



Submittal Transmittal

West Liberty-Salem K-12 Renovation and Addition Project # 14554

Tel: Fax:

Ruscilli Construction Co., Inc.

2041 Arlingate Lane
Columbus, OH 43228

Date: 4/21/2015

Reference Number: 0003

Transmitted To: Neil Kirkpatrick
OHM
600 Creekside Plaza
Gahanna, oh 43230
Tel: 614-418-0600

Transmitted By: Alycia Paige
Ruscilli Construction Co., Inc.
2041 Arlingate Lane
Columbus, OH 43228
Tel: (614) 876-9484
Fax: (614) 876-0253

Qty	Submittal Package No	Description	Due Date	Package Action
02	0003 - - 0	Domestic Water Piping		For Approval

Transmitted For	Delivered Via	Tracking Number
Approval	Email	221116

Items	Qty	Spec Section	Sub Section	Description	Notes	Item Action	Type
01		221116		Domestic Water Piping Chlorination		For Approval	PD
02		221116		Interior Domestic Water Piping		For Approval	PD

Cc: Company Name	Contact Name	Copies	Notes
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Remarks

For Your Approval

If you have any questions or concerns please let me know

Thank you,

☒ REVIEWED ☐ REVIEWED AS NOTED
☐ RETURNED FOR CORRECTIONS

By Alycia Paige Date 4/21/2015

Review of the drawings is for general conformance only and does not relieve the sub-contractor and/or vendor of responsibility to comply fully with all portions of the contract, drawings and specifications and changes there to.

Ruscilli Construction Co., Inc.
CONTROL NO.

0003 - - 0

Alycia Paige

Signature

4/21/2015

Signed Date

TP Mechanical

CONTRACTORS | SERVICE | FABRICATION

SUBMITTAL DATA

Project: West Liberty Salem School
Bid Category : Plumbing
Project No.: E1000002
TP Tab No.: 17
Construction Manager: Ruscilli Construction
Architect/Engineer: OHM Architects
Submittal For: Interior Domestic Water Piping
Specification #: 22 11 16
Manufacturer: Mueller
Supplier: Ferguson
Contact Name & Phone #: Scott Willoughby (513)771-6000

The attached submittal data has been reviewed by TP Mechanical Contractors for compliance with the Architect/Engineer's specifications and plan schedule for this project.

In order to maintain the project schedule, we request that this submittal be returned to TP Mechanical Contractors within 7 days.

NOTE: Material cannot be released without Architect/Engineer's approval of submittal.

Rick Mercer, Project Manager

Reviewed By

4/8/15

Date

☒ REVIEWED
DRAWING

SPEC 22 11 16

☐ REJECTED

4/8/15 DATE

T. P. MECHANICAL CONTRACTORS

BY Rick Mercer

This drawing or brochure has been checked to quality or proper components only. Approval of this drawing or brochure shall not relieve the supplier of responsibility for accuracy or dimensions of full compliance with plans and specifications and purchase order.

West Liberty Salem School - Plumbing
TP Job No.: E1000002

Specification Section - 221116 Interior Domestic Water Piping

<u>Service</u>	<u>Pipe</u>	<u>Fittings</u>
<u>Trap Primer Drain Lines</u> All Sizes	Copper 'K' Soft tubing	Wrought Copper fittings w/brazed joints
<u>Aboveground inside the building</u> All Sizes	Copper 'L' Hard tubing	Copper fittings with 95/5 solder joints

Product Standards

STANDARD COPPER TUBE: Mueller Copper Tube products are manufactured in the USA. All tubing produced in Fulton, MS, and Wynne, AR, is seamless and of UNS C12200 grade of copper and is manufactured to meet the chemical, mechanical, cleanliness, and eddy current testing requirements of the applicable ASTM specifications set forth below.

Although Mueller Copper Tube strives to meet all requirements specified in ASTM, Standard Tube may not fully meet ASTM dimensional requirements. Standard Tube will be provided unless Certified Tube is clearly defined on the Purchase Order. When specified at order placement, Mueller Copper Tube can supply Certified Tube to meet all requirements of the current applicable ASTM specification, at an additional cost.

STANDARDS

- Streamline Copper Water Tube (Types K L M) and LDPE Coated Copper Water Tube (Types K L) are produced in accordance with, ASTM B88 and ANSI/NSF 61**, Copper Alloy No. UNS C12200 DHP 99.9 wt% min Copper (Incl. Silver); 0.015-0.040 wt% Phosphorus (LDPE Coating > 0.025" Thick)
- Streamline Copper Refrigeration Service Coils and LDPE Coated Copper Refrigeration Service Coils are produced in accordance with ASTM B280, Copper Alloy No. UNS C12200 DHP 99.9 wt% min Copper (Incl. Silver); 0.015-0.040 wt% Phosphorus (LDPE Coating > 0.025" Thick)
- Streamline Nitrogenized ACR Hard Drawn Copper Tube and LDPE Coated Nitrogenized ACR Hard Drawn Tube are produced in accordance with ASTM B280, Copper Alloy No. UNS C12200 DHP 99.9 wt% min Copper (Incl. Silver); 0.015-0.040 wt% Phosphorus (LDPE Coating > 0.025" Thick)
- Streamline Copper Drainage Tube (DWV) is produced in accordance with ASTM B306, Copper Alloy No. UNS C12200 DHP 99.9 wt% min Copper (Incl. Silver); 0.015-0.040 wt% Phosphorus
- Oxygen & Medical Service Tube - To ASTM B819 (Types K & L) Hard Drawn Straight Lengths Only in accordance to CGA Cleanliness Specification; CGA G4.1 (Compressed Gas Association); & NFPA 99 (Health Care Facilities), Copper Alloy No. UNS C12200 DHP 99.9 wt% min Copper (Incl. Silver); 0.015-0.040 wt% Phosphorus.

** NSF 61 Restriction Statement Copper Tube (Alloy C12200) is certified by NSF to ANSI/NSF Standard 61 for public water supplies meeting or in the process of meeting the U.S. EPA Lead and Copper Rule (56FR 26460, June 7, 1991). Water supplies with pH less than 6.5 may require corrosion control to limit copper solubility in drinking water."

Last revision: March 11, 2011



Mueller Streamline Co.
8285 Tournament Drive, Suite 150
Memphis, TN 38125
P 901.753.3200

Date: April 8, 2013
Subject: **Product Standards - Copper Fittings**

Mueller Fittings Co. Inc. manufactures or supplies product which are manufactured to meet the following specifications.

STANDARDS:

- ASME B16.22: Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
- MSS SP-104: Wrought Copper Solder Joint Pressure Fittings
- ASME B16.29: Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV
- ASME/ANSI B16.18: Cast Copper Alloy Solder Joint Pressure Fittings
- ASME/ANSI B16.15: Cast Bronze Threaded Fittings
- ASME/ANSI B16.23: Cast Copper Alloy Solder Joint Drainage Fittings DWV
- ASME/ANSI B16.26: Cast Copper Alloy Fittings for Flared Copper Tube
- NSF/ANSI 61-G: Drinking Water System Components
- MSS SP-106: Class 150-Cast Copper Flanges shall meet the requirements of MSS SP-106 and/or the workmanship and dimensional of Federal Spec. WW-F-406 ASME B16.24.
- MSS SP - 106: Class 125 Bronze Pipe Flanges and Flanged Fittings
- MSS SP - 109: Welded Fabricated Copper Solder Joint Pressure Fittings
- MSS SP - 123: Threaded and Solder Joint Copper Unions

The materials used to manufacture these fittings are also in compliance with the following specifications:

Products Made From Sheet:

- ASTM B152 Alloy C11000: Standard Specification for Copper Sheet, Strip, Plated Rolled Bar Cast Products
- ASTM B584 Alloy C84400: Standard Specification for Copper Alloy Sand Castings
 - Or Alloy C87850: General Applications: Federal Specification WW-U-516
 - Or Alloy C87600: Type III, Class A and B Copper Alloy Unions

Copper Fittings:

- ASTM B280 Alloy C12200: Standard Specification for Seamless Round, Copper Tube*
 - Or Alloy C10200: General Engineering applications

*NSF 61 Restriction Statement: "Copper Tube (Alloy C12200) is certified by NSF to ANSI/NSF Standard 61 for public water supplies meeting or in the process of meeting the U.S. EPA Lead and Copper Rule (56FR 26460, June 7, 1991). Water supplies with pH less than 6.5 may require corrosion control to limit copper solubility in drinking water."

672 SERIES TWO-PIECE COMPANION FLANGE CLASS 150 LEAD-FREE*

APPLICATIONS

- Potable water
- HVAC water-based systems – condensers, chilled water, hydronic heating
- Vacuum and compressed air systems
- Residential and commercial construction

SPECIFICATIONS

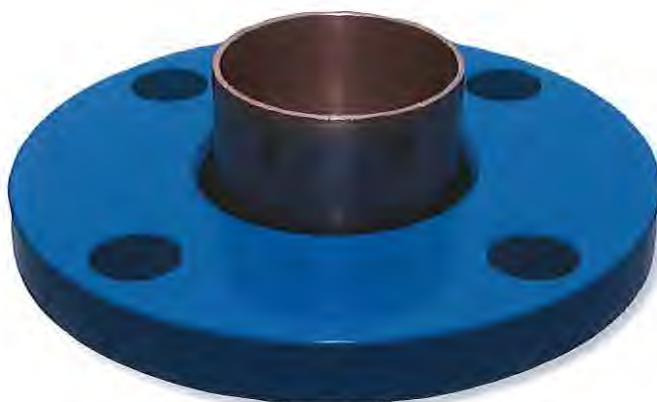
- 200 psi non-shock CWP
- 275°F maximum operating temperature (non-steam)

MATERIALS & CONSTRUCTION

- Steel companion flange (powder coated) with copper solder tube adapter
- Flange powder-coating creates a barrier between the steel and copper, preventing galvanic corrosion
- NIBCO lead-free* wrought copper fittings are made from commercially pure copper mill products per ASTM B75 C12200

DESIGN CRITERIA

- For use with ASTM B88 copper tube
- Third-party certified to NSF/ANSI 61 and 372
- Dezincification-resistant
- Lead-free*
- Available in sizes 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 5" and 6" (solder connections)



672
3/4" - 6"

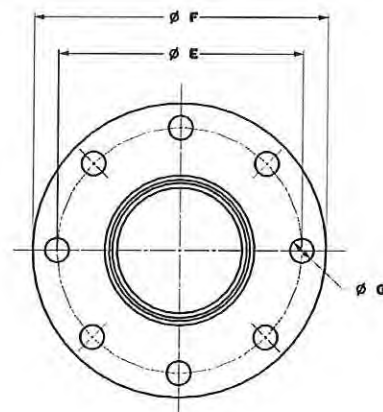
SIZE	MATERIAL NO.	DESCRIPTION
3/4"	9405300	672 3/4 CLASS 150 2-PC COMPANION FLANGE
1"	9405350	672 1 CLASS 150 2-PC COMPANION FLANGE
1 1/4"	9405400	672 1-1/4 CLASS 150 2-PC COMPANION FLANGE
1 1/2"	9405450	672 1-1/2 CLASS 150 2-PC COMPANION FLANGE
2"	9405500	672 2 CLASS 150 2-PC COMPANION FLANGE
2 1/2"	9405550	672 2-1/2 CLASS 150 2-PC COMPANION FLANGE
3"	9405600	672 3 CLASS 150 2-PC COMPANION FLANGE
4"	9405700	672 4 CLASS 150 2-PC COMPANION FLANGE
5"	9405750	672 5 CLASS 150 2-PC COMPANION FLANGE
6"	9405800	672 6 CLASS 150 2-PC COMPANION FLANGE

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

672 Series – Class 150 Two-Piece Companion Flange



Section - Front View



Top View

SIZE		DIMENSIONS (INCHES)							WEIGHTS	
In.	mm	A	B	C	D	E	F	G	Lbs.	Kg.
¾"	20	1/4	1	0.44	15/32	2.75	3.88	0.620	1.27	0.576
1"	25	11/32	1-1/4	0.50	17/32	3.12	4.25	0.620	1.76	0.798
1 ¼"	32	7/32	1-3/16	0.56	19/32	3.50	4.62	0.620	2.28	1.034
1 ½"	40	11/32	1-7/16	0.63	11/16	3.88	5.00	0.620	3.06	1.388
2"	50	7/16	1-25/32	0.63	11/16	4.75	6.00	0.750	4.27	1.937
2 ½"	65	5/8	2-1/8	0.63	23/32	5.50	7.00	0.750	5.92	2.685
3"	80	15/32	2-5/32	0.63	23/32	6.00	7.50	0.750	6.82	3.093
4"	100	21/32	2-31/32	0.71	13/16	7.50	9.00	0.750	10.91	4.949
5"	125	29/32	3-19/32	0.75	27/32	8.50	10.00	0.875	13.92	6.314
6"	150	1-1/16	4-5/32	0.87	1	9.50	11.00	0.875	18.91	8.577

LEGEND:

A = bottom of raised face to tube stop
B = overall height/length of flange
C = flange thickness

D = bottom of raised face to top of flange
E = bolt circle diameter
F = flange diameter
G = bolt hole diameter

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

NIBCO
AHEAD OF THE FLOW®

NIBCO INC.
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 FAX: 888.336.4226

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 PHONE: +1/574.295.3327
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SUBMITTAL DATA

Project: West Liberty Salem School
Bid Category : Plumbing
Project No.: E1000002
TP Tab No.: 24
Construction Manager: Ruscilli Construction
Architect/Engineer: OHM Architects
Submittal For: Domestic Water Piping (Chlorination)
Specification #: 22 11 16
Manufacturer: None
Supplier: TP Mechanical
Contact Name & Phone #: Rick Mercer (937)985-9133

The attached submittal data has been reviewed by TP Mechanical Contractors for compliance with the Architect/Engineer's specifications and plan schedule for this project.

In order to maintain the project schedule, we request that this submittal be returned to TP Mechanical Contractors **within 7 days**.

NOTE: Material cannot be released without Architect/Engineer's approval of submittal.

Rick Mercer, Project Manager

4/15/15

Reviewed By

Date

 X REVIEWED SPEC 22 11 16
_____ DRAWING

_____ REJECTED

4/15/15 _DATE

T. P. MECHANICAL CONTRACTORS

BY _____ Rick Mercer

This drawing or brochure has been checked to quality or proper components only. Approval of this drawing or brochure shall not relieve the supplier of responsibility for accuracy or dimensions of full compliance with plans and specifications and purchase order.

WARNING

PIPING CHLORINATION IN PROGRESS

**DO NOT *USE OR DRINK* WATER
DURING THIS PROCESS!**

Please contact **Superintendent Name & Phone Number**
with any questions/concerns.

Date:

[illegible]

Water Quality Plan

Project:

Date:

The purpose of this procedure is to outline the necessary requirements for all piping systems other than drainage. This is to assure that all piping systems are free of debris and will provide fluids per the quality requirements of that particular system. All personnel working on piping systems shall review this procedure and support the criteria of the plan. This procedure will also implement the standards stated in the Project Specification Section (22 05 01, 6-7).

A.) Maintaining Pipe Cleanliness and Dryness

- 1.) All pipes will be stored on racks off the floor from the time of delivery to the point of installation.
- 2.) All installed pipe ends will be covered if there is a break in the installation for any extended period of time ex. (breaks, lunch or end of day).
- 3.) Maintain only as much pipe onsite as necessary, ensuring that pipe is quickly installed and not on the Project for extended periods of time.
- 4.) Complete all assembled joints within the work shifts.
- 5.) All fittings shall be kept in storage bins off of the ground at all times.

B.) Flushing and Sterilization

- 1.) TPMC will flush and sterilize the Domestic Water System.
- 2.) The Chlorinating material will consist of liquid chlorine meeting the AWWA Standard B301.
- 3.) The cleaning solution containing not less than either (50 parts per million for a period of 24 hours) or (200 parts per million for a period of 3 hours) of chlorine shall be introduced into the system. Warning signs will be located at every outlet.
- 4.) Each outlet, hot and or cold shall be tested during fill to prove the presence of chlorine at the outlets, valves and faucets shall be opened and closed several times during the disinfecting time period.
- 5.) TPMC will test and log the chlorine concentration to ensure compliance.

C.) Disinfecting Water Piping System

- 1.) All outlets shall be opened wide and the main supply valves opened, flushing system with water until chlorine content is not greater than 1.5 parts per million or until approved by the health department.
- 2.) The strainers are to be cleaned after each flushing until the strainers remain clean.

- 3.) After final flushing all aerators on plumbing brass shall be removed, cleaned and re-installed.
- 4.) TPMC will perform a water analysis / report to verify all of the Chlorine residual has been successfully removed from the system.
- 5.) TPMC will take water samples to be sent off to Belmont Labs for Microbiological Testing, to ensure the System has been completely flushed of all Chlorine residual. Locations identified on attached drawings.
- 6.) Copies of the certificate of completion and bacteriological analysis reports shall be included in the Operations and Maintenance Manuals.

PWS Name: West Liberty Salem School

Reviewer: Moore

PWS ID: OH1134012

Review Date: 2/17/17

REVIEW CHECKLIST FOR 6109.121(F) LCR MAPPING

Due Date	3/9/2017			
Received Date	2/9/17	Submittal Complete	<input type="checkbox"/> Yes	<input type="checkbox"/> No
NOD Date				
Revision Receipt Date		Submittal Complete	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Review Completion Date				

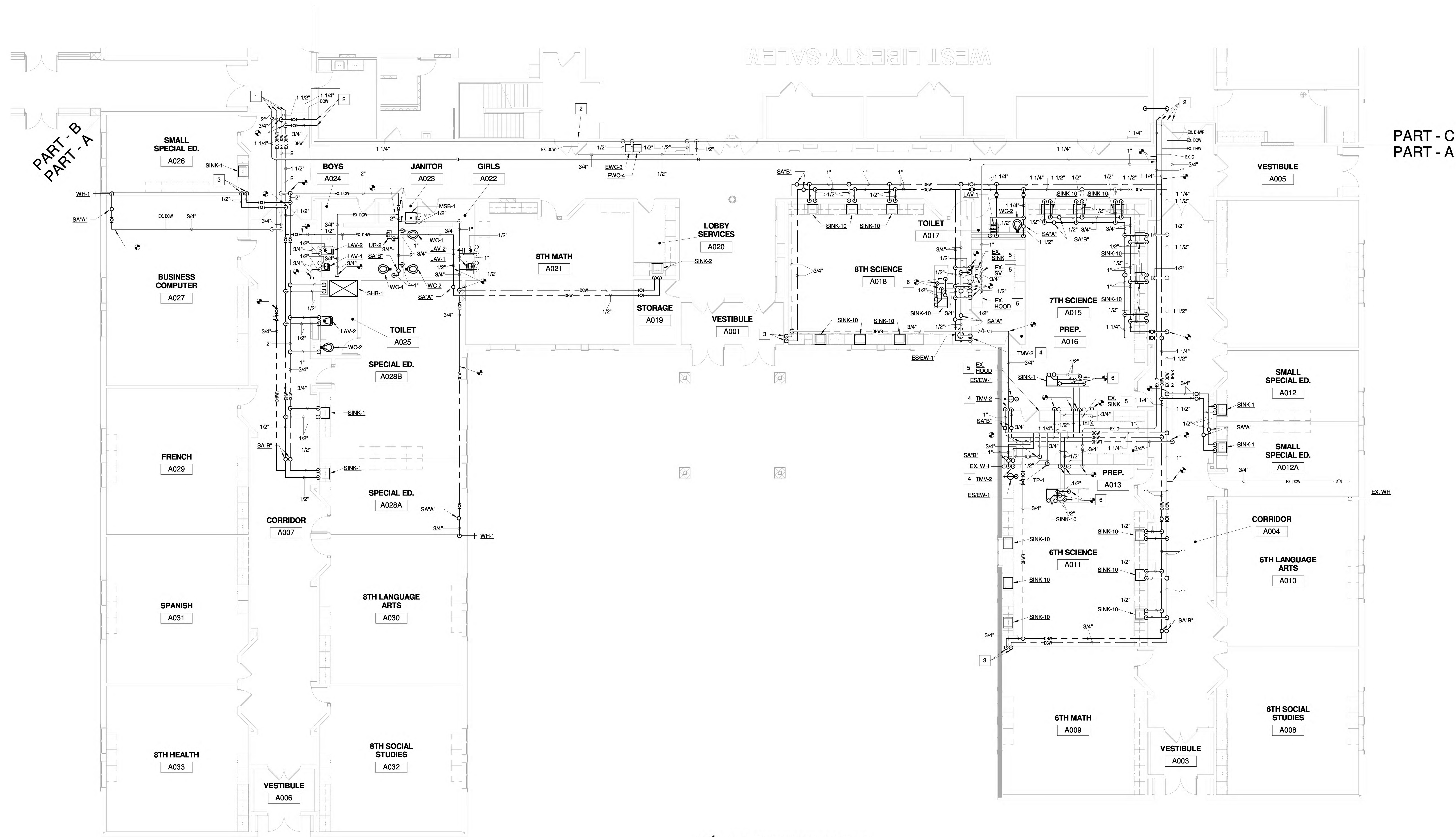
Mapping in Distribution Systems

- ☐ Map(s) of the distribution system
 - ☐ Identify major streets, landmarks, bodies of water, or other methods of orientation
 - ☐ Areas that are known or likely to have lead service lines are easily differentiated
 - ☐ PWS states they have no LSL must provide the following type of documentation and a completed verification form
 - ☐ review of historical permit records and/or local ordinances
 - ☐ distribution maintenance records (i.e. meter replacements, waterline break repairs)
 - ☐ that all service lines were installed after 1986 when LSLs were banned.
- ☐ Narrative description of buildings served by the water system likely to contain lead solder, plumbing or fixtures.
- ☐ Provide LCR sampling locations – do not have to be shown on map

Mapping for Individual Buildings

- ☒ Map(s) of the building distribution system
 - ☒ Identify areas that may contain lead piping, solder, or fixtures
- ☒ Identify system pipe materials, locations, and date of installation
- ☐ Provide LCR sampling locations – do not have to be shown on map

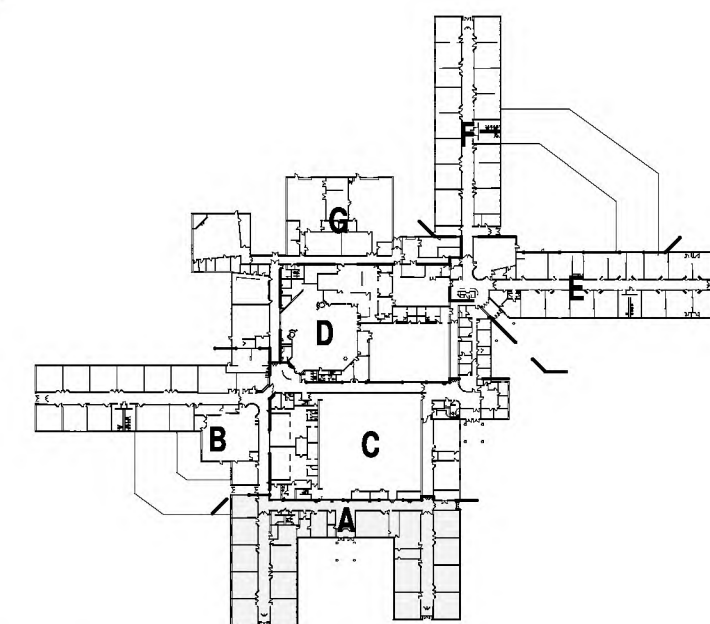
Comments: Waiting on SMP from Mike Deal



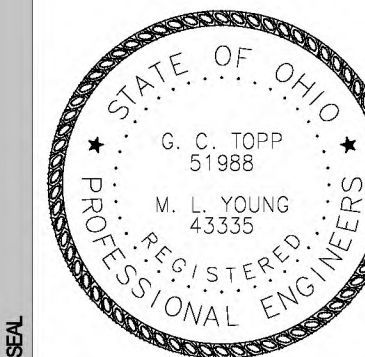
1 FIRST FLOOR PLUMBING OVERHEAD PLAN - PART A
1/8" = 1'-0"

PLUMBING CODED NOTES - P201

- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART B ON SHEET P202.
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART C ON SHEET P203.
- EXTEND DOMESTIC HOT AND COLD WATER PIPING DOWN IN WALL AND ROUTE BEHIND CASEWORK TO LAB SINKS. EXTEND 3/4" PIPING TO LAST FIXTURE. FINAL SUPPLY PIPING TO LAB SINK UNDER COUNTER SHUT-OFF VALVES SHALL BE 1/2".
- INSTALL EMERGENCY MIXING VALVE IN CABINET HIGH ON WALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- RECONNECT SUPPLY PIPING TO EXISTING TO REMAIN LAB FIXTURE.
- CONNECT TO EXISTING ISLAND LAB SINK HOT WATER, COLD WATER, AND GAS SUPPLY PIPING. ROUTE NEW PIPING UNDER CASEWORK ABOVE SLAB TO THE NEW SINK LOCATION AND EXTEND UP THROUGH CASEWORK TO MAKE FINAL SUPPLY CONNECTIONS TO THE NEW LAB SINK AND GAS TURRET.



2 KEY PLAN - PART A
1" = 200'-0"

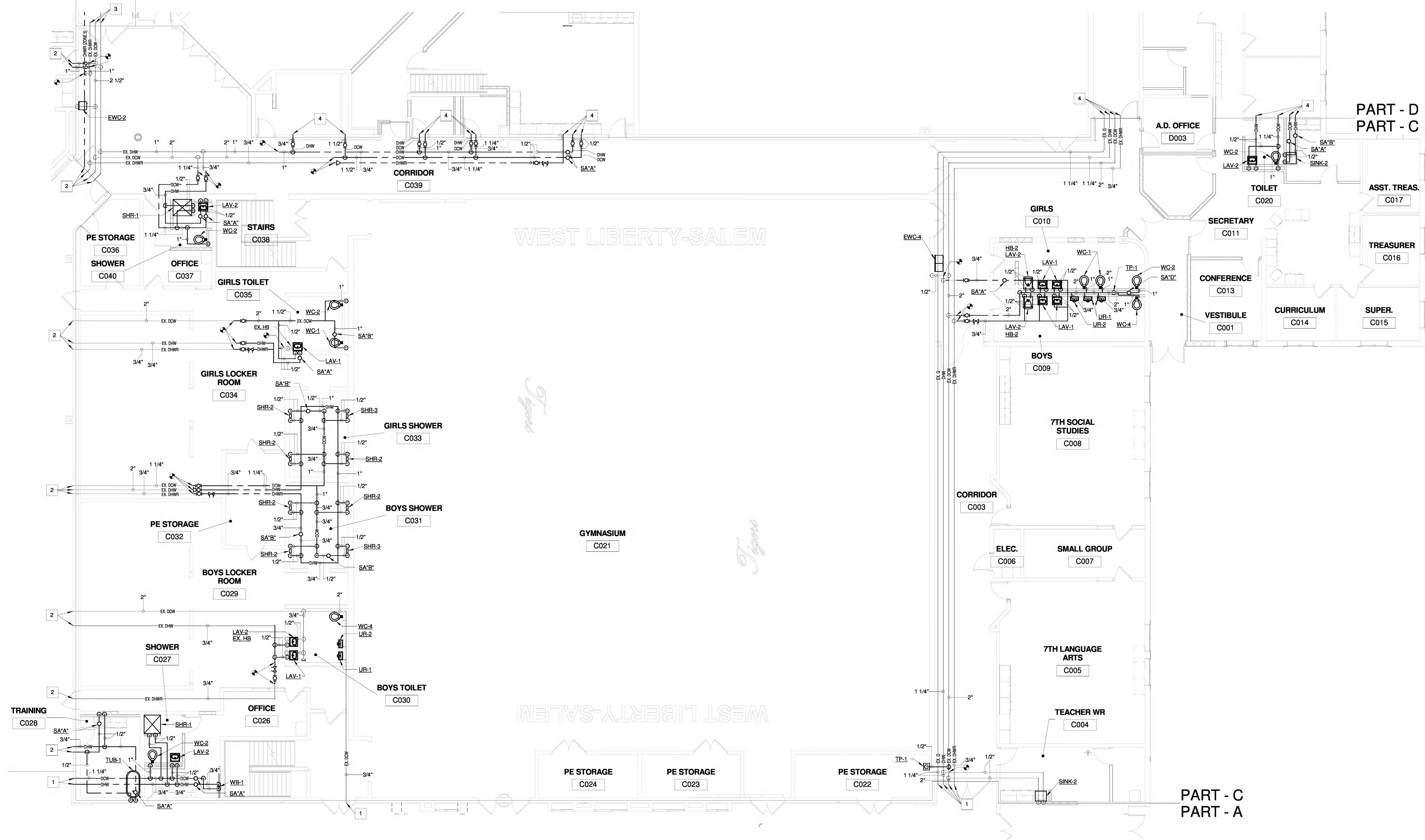


DATE	DESCRIPTION

NO.	DESCRIPTION

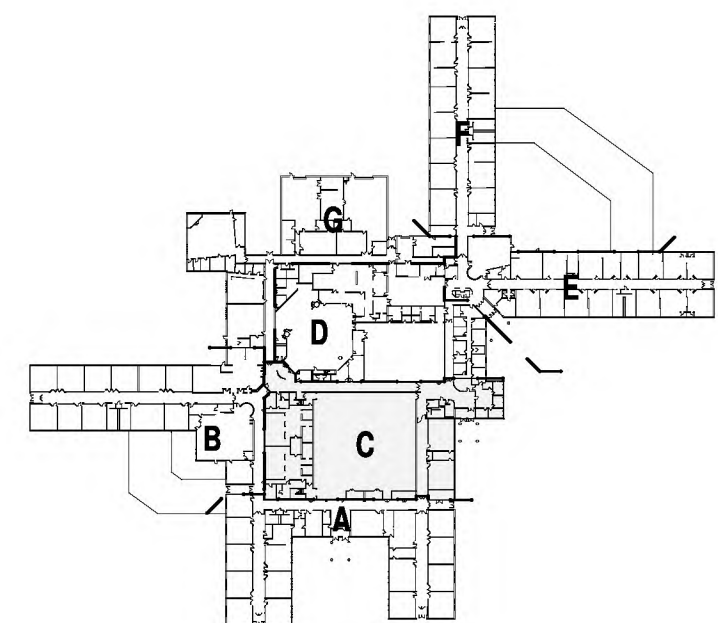
WEST LIBERTY-SALEM LOCAL SCHOOL DISTRICT
WEST LIBERTY-SALEM K-12 RENOVATION AND ADDITIONS
WEST LIBERTY, OHIO
FIRST FLOOR PLUMBING OVERHEAD PLAN - PART A





 **1** **FIRST FLOOR PLUMBING OVERHEAD PLAN - PART C**
1/8" = 1'-0"

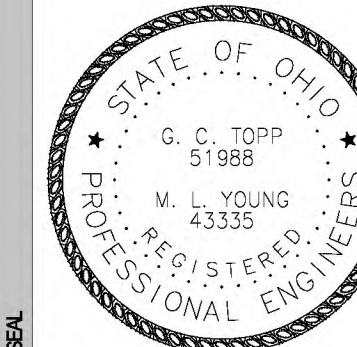
- 1 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART A ON SHEET P201.
2 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART B ON SHEET P202.
3 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART G ON SHEET P207.
4 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.



2 KEY PLAN - PART C
1" = 200'-0"



REVISIONS:	
No.	Date



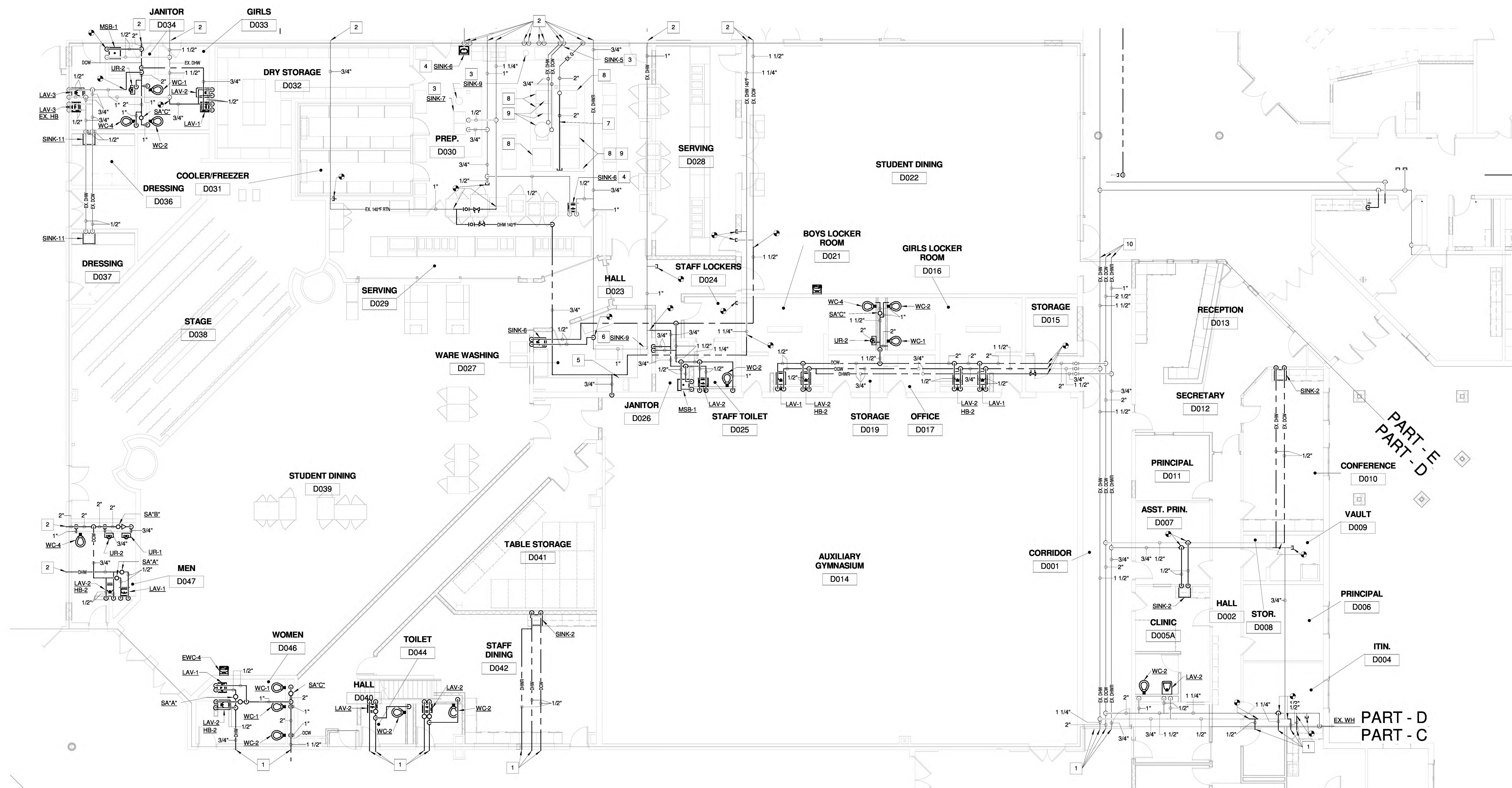
DATE	DESCRIPTION

DATE	PROJ. NUMBER	ARCH.	PROJ. NUMBER	DATE
11/20/2014	072114-0011			

WEST LIBERTY-SALEM LOCAL SCHOOL DISTRICT
WEST LIBERTY-SALEM K-12 RENOVATION AND ADDITIONS
WEST LIBERTY, OHIO

FIRST FLOOR PLUMBING OVERHEAD PLAN - PART D

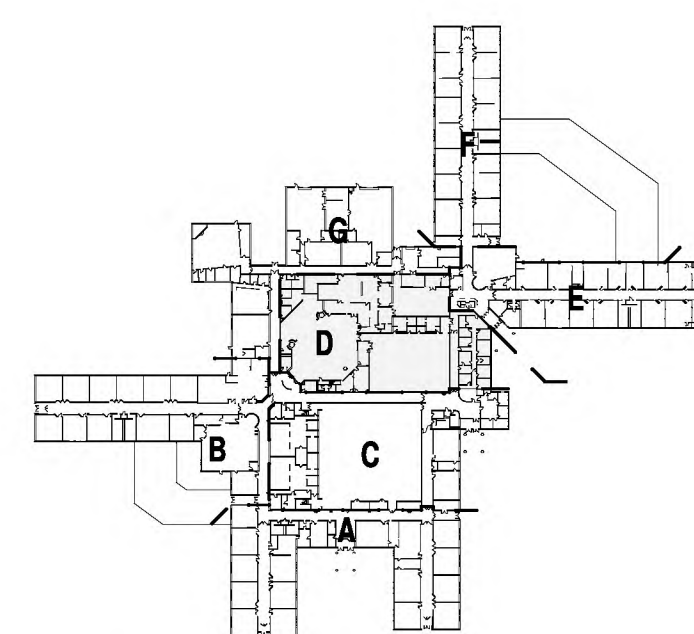
COPYRIGHT 2014 OHM ALL DRAWINGS AND WRITTEN MATERIALS APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF OHM AND THE SAME MAY NOT BE REPRODUCED, DISTRIBUTED, OR DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF OHM



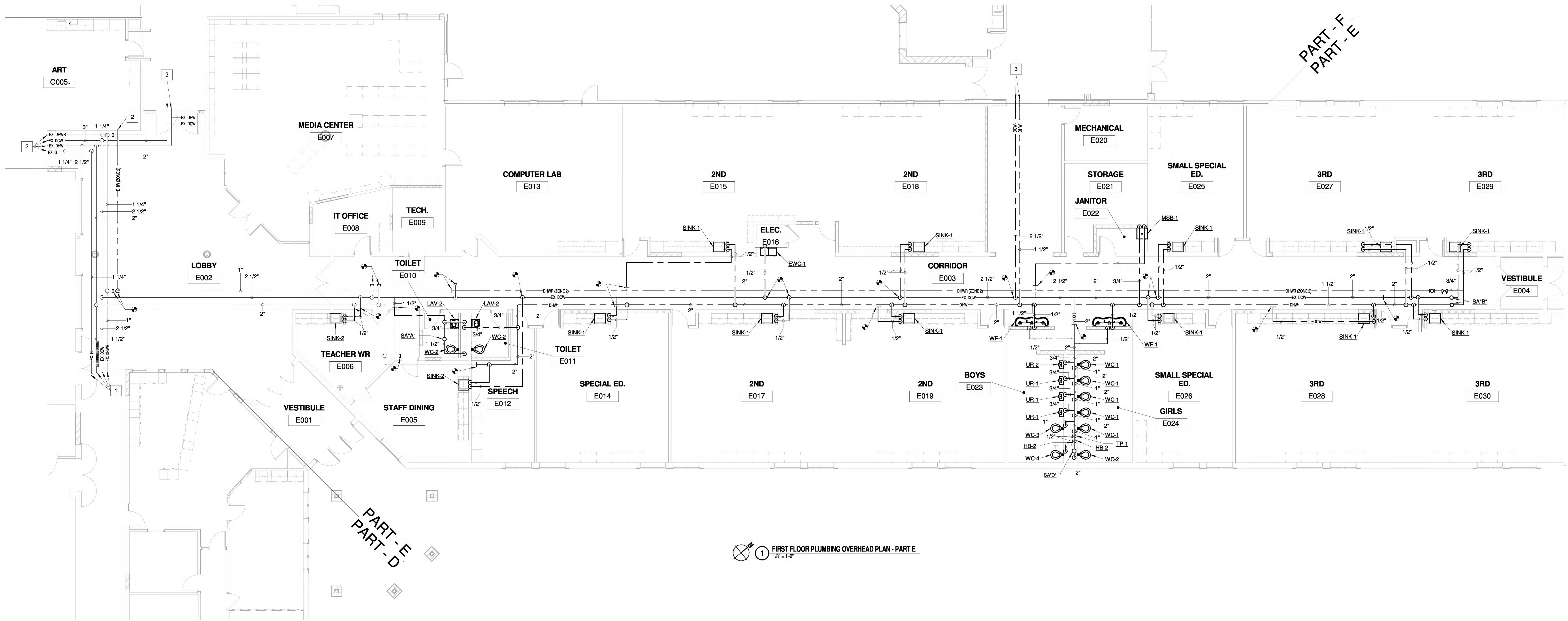
1 FIRST FLOOR PLUMBING OVERHEAD PLAN - PART D
1/8" = 1'-0"

PLUMBING CODED NOTES - P204

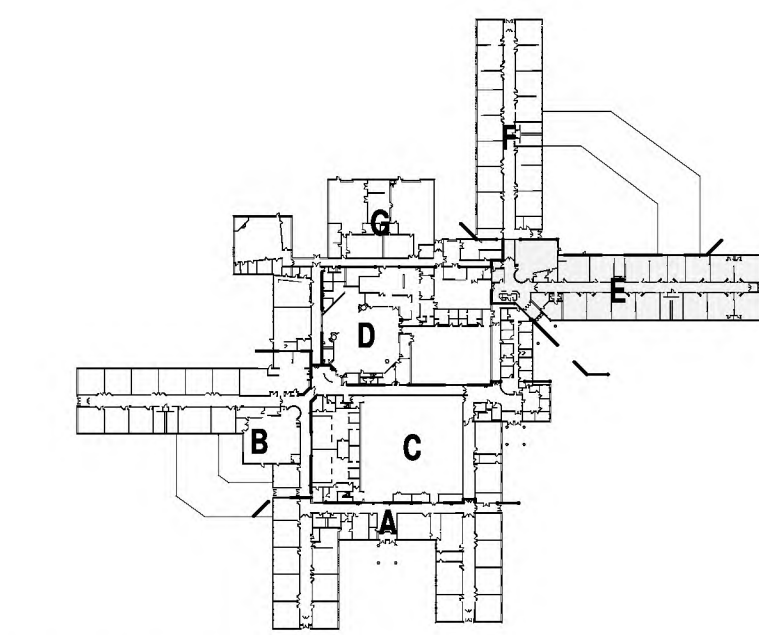
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART C ON SHEET P203.
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART G ON SHEET P207.
- EXISTING KITCHEN PLUMBING FIXTURE TO REMAIN. DISCONNECT AND RECONNECT AS REQUIRED.
- INSTALL NEW HAND SINK IN SAME LOCATION AS EXISTING. MAKE NEW SUPPLY AND WASTE CONNECTIONS.
- MAKE FINAL DOMESTIC HOT WATER CONNECTION TO DISH WASHER. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- MAKE FINAL DOMESTIC HOT AND COLD WATER CONNECTION TO PRE-RINSE SINK AND FOOD WASTE GRINDER. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PROVIDE 2" GAS DISTRIBUTION HEADER UNDER HOOD. PROVIDE SHUT-OFF IN RISER FROM BELOW SLAB.
- MAKE GAS SUPPLY CONNECTION TO GAS FIRED KITCHEN EQUIPMENT UNDER HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE SHUT-OFF VALVE, DIRT-LEG, AND ANSI Z21.41 QUICK DISCONNECTING FLEX CONNECTOR.
- MAKE WATER SUPPLY CONNECTION TO KITCHEN EQUIPMENT UNDER HOOD. EXTEND SUPPLY PIPING TO 3/4" DOMESTIC HOT AND COLD WATER RISER FROM BELOW SLAB. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE SHUT-OFF VALVE BRAIDED STAINLESS STEEL CONNECTOR FOR FINAL CONNECTION.
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART E ON SHEET P205.



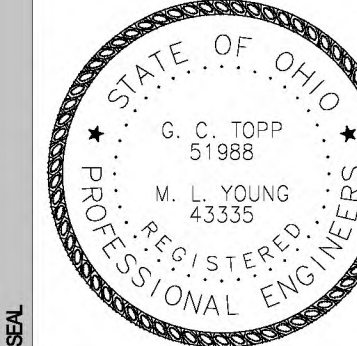
2 KEY PLAN - PART D1
1" = 200'-0"



- PLUMBING CODED NOTES - P205
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
 - OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART G ON SHEET P207.
 - OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART F ON SHEET P206.

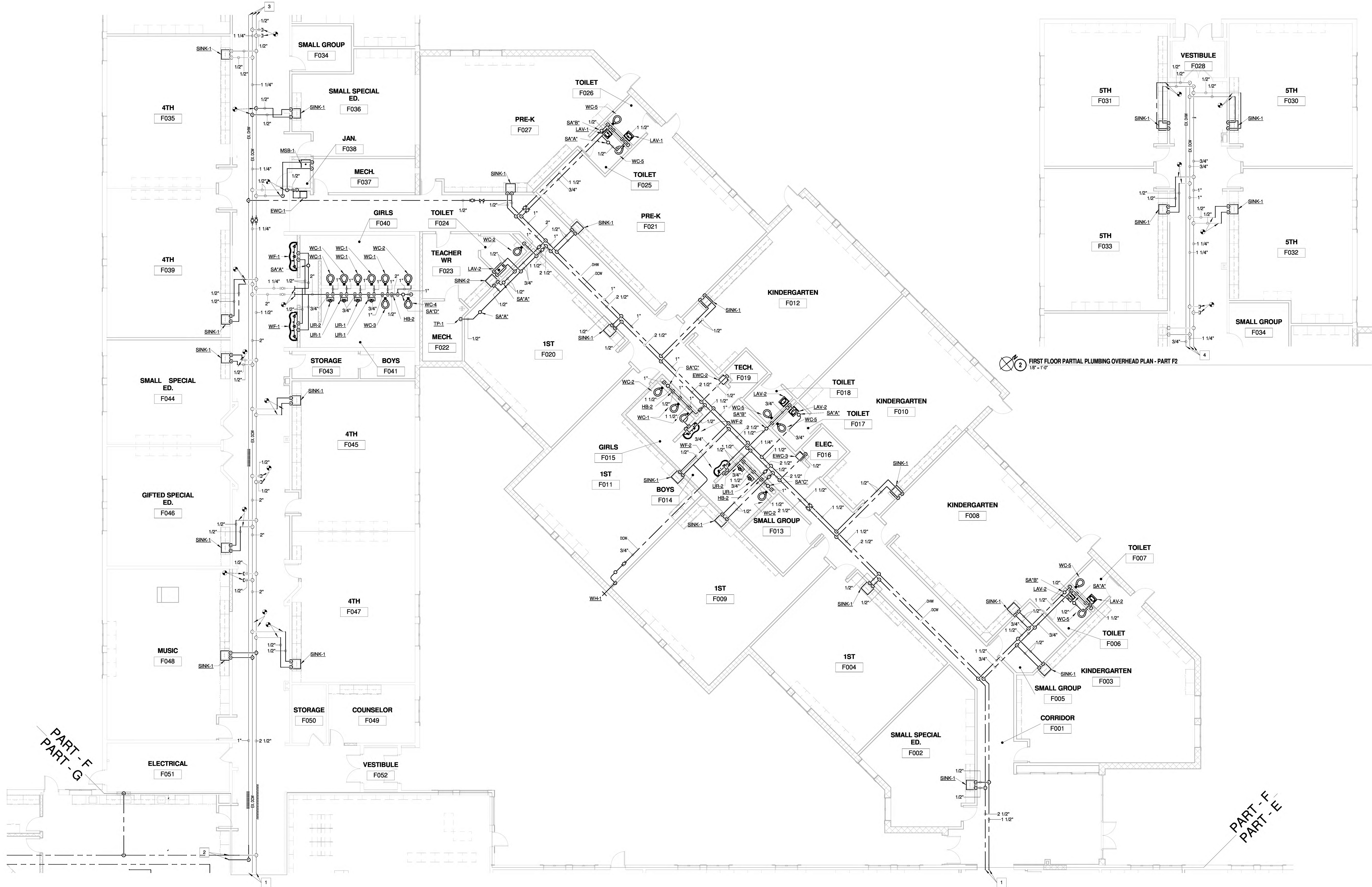


2 KEY PLAN - PART E1
1" = 200'-0"



DATE	DESCRIPTION

DATE	PROJ. NUMBER	ARCH.	PROJ. NUMBER	QUAD
11/5/2014	07211-0011			
WEST LIBERTY-SALEM LOCAL SCHOOL DISTRICT WEST LIBERTY-SALEM K-12 RENOVATION AND ADDITIONS WEST LIBERTY, OHIO				
FIRST FLOOR PLUMBING OVERHEAD PLAN - PART E				

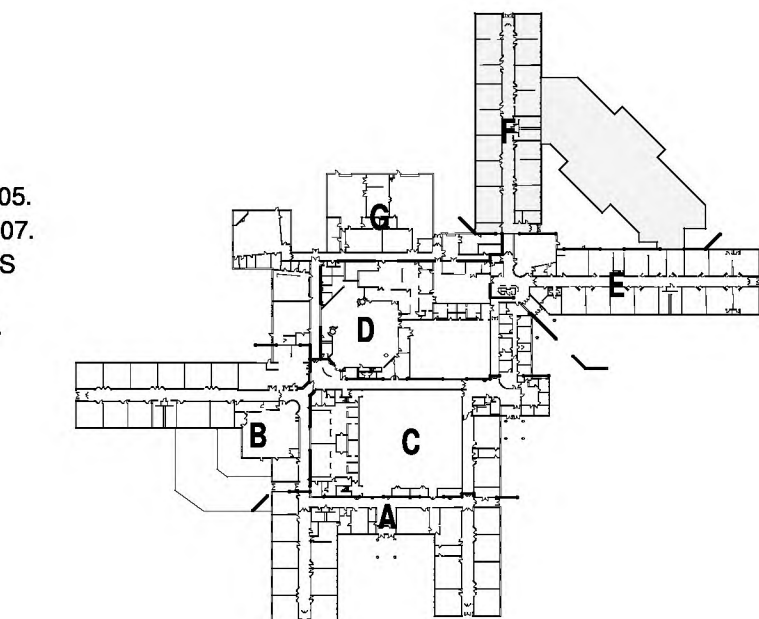


1 FIRST FLOOR PLUMBING OVERHEAD PLAN - PART F
1/8" = 1'-0"

2 FIRST FLOOR PARTIAL PLUMBING OVERHEAD PLAN - PART F2
1/8" = 1'-0"

PLUMBING CODED NOTES - P206

- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART E ON SHEET P205.
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART G ON SHEET P207.
- OVERHEAD PIPING, SEE FIRST FLOOR PARTIAL PLUMBING OVERHEAD PLAN - PART F2 ON THIS SHEET.
- OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING OVERHEAD PLAN - PART F2 ON THIS SHEET.

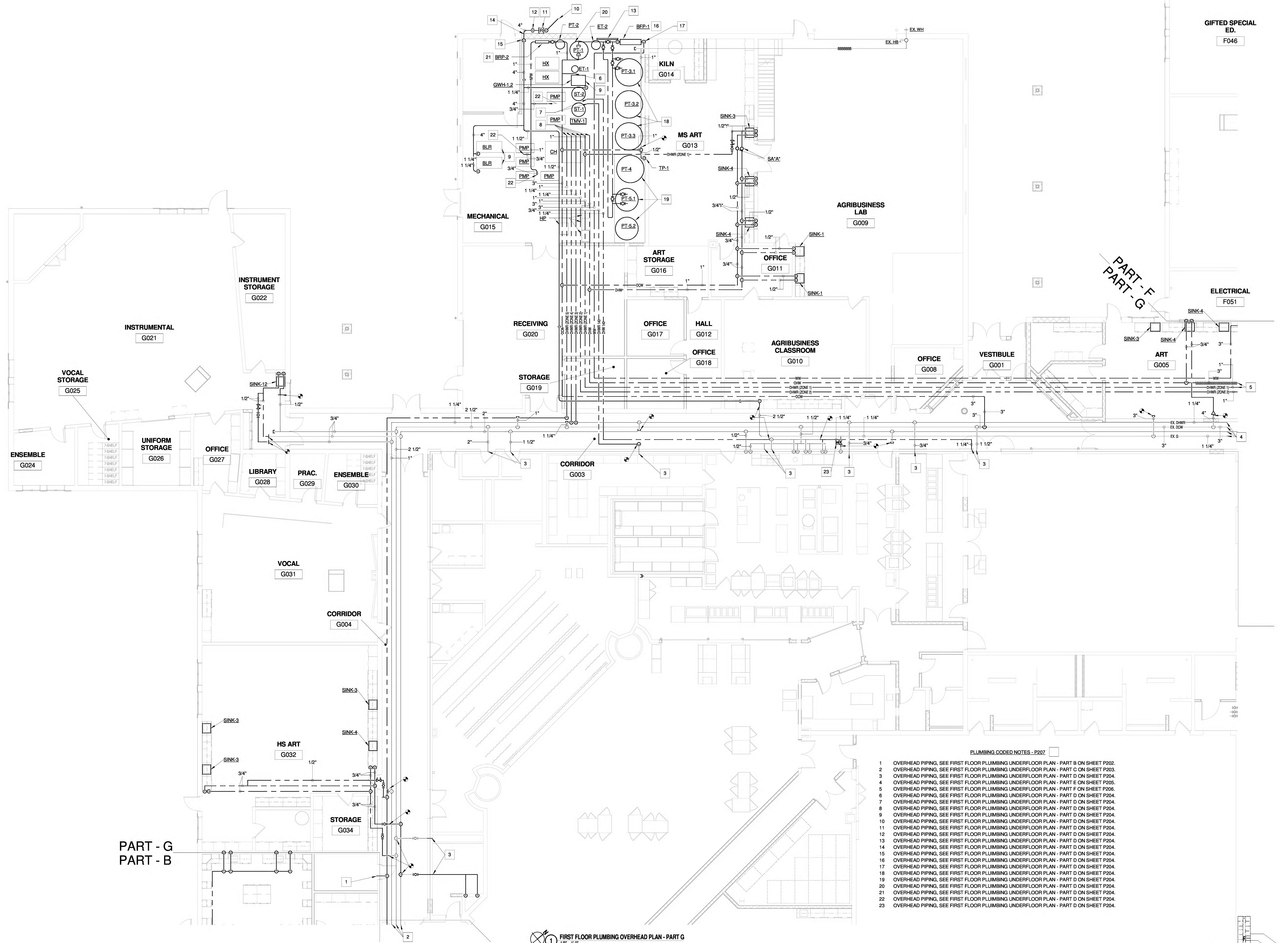


3 KEY PLAN - PART F1
1" = 200'-0"



DATE	DESCRIPTION
11/20/2014	07/21/14/011

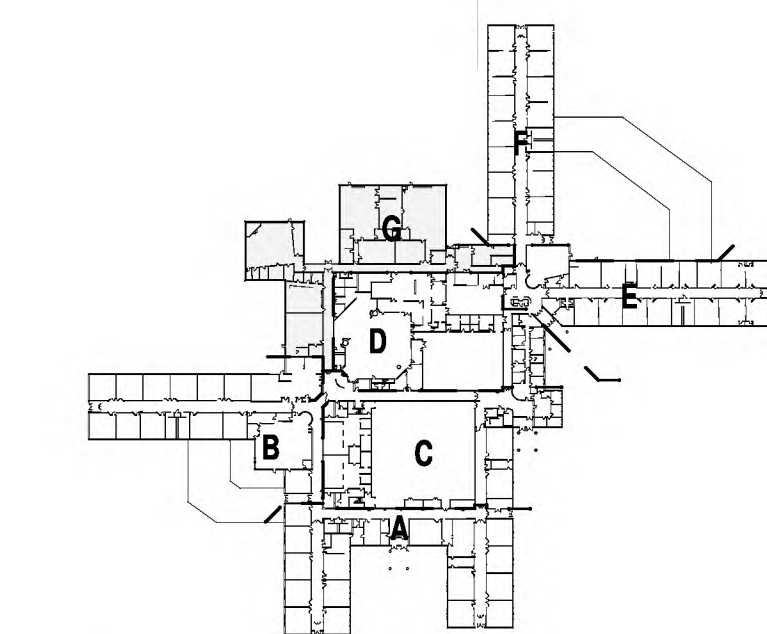
NO.	DESCRIPTION
1	OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART E ON SHEET P205.
2	OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART G ON SHEET P207.
3	OVERHEAD PIPING, SEE FIRST FLOOR PARTIAL PLUMBING OVERHEAD PLAN - PART F2 ON THIS SHEET.
4	OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING OVERHEAD PLAN - PART F2 ON THIS SHEET.



1 FIRST FLOOR PLUMBING OVERHEAD PLAN - PART G
1/8" = 1'-0"

PLUMBING CODED NOTES - P207

- 1 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART B ON SHEET P202.
- 2 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART C ON SHEET P203.
- 3 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 4 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART E ON SHEET P205.
- 5 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART F ON SHEET P206.
- 6 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 7 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 8 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 9 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 10 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 11 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 12 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 13 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 14 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 15 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 16 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 17 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 18 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 19 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 20 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 21 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 22 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.
- 23 OVERHEAD PIPING, SEE FIRST FLOOR PLUMBING UNDERFLOOR PLAN - PART D ON SHEET P204.



2 KEY PLAN - PART G1
1" = 200'-0"

GIFTED SPECIAL
ED.
F046



DATE

DESCRIPTION

REVISIONS

NO.