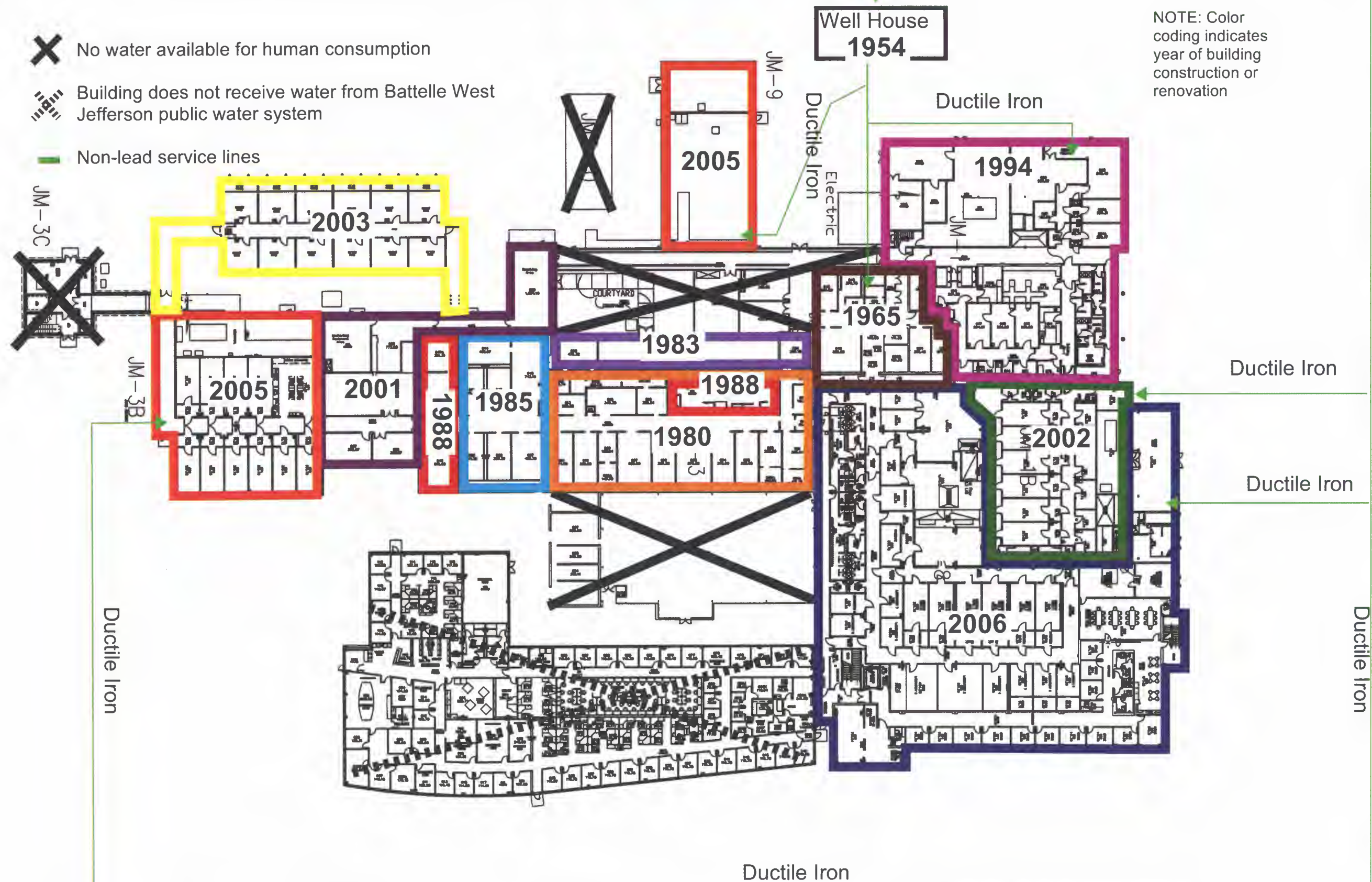
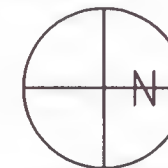


Dates of Building Construction/Renovations with Water Service Entrance Points



Finished water supplied by Village
of West Jefferson

[illegible]

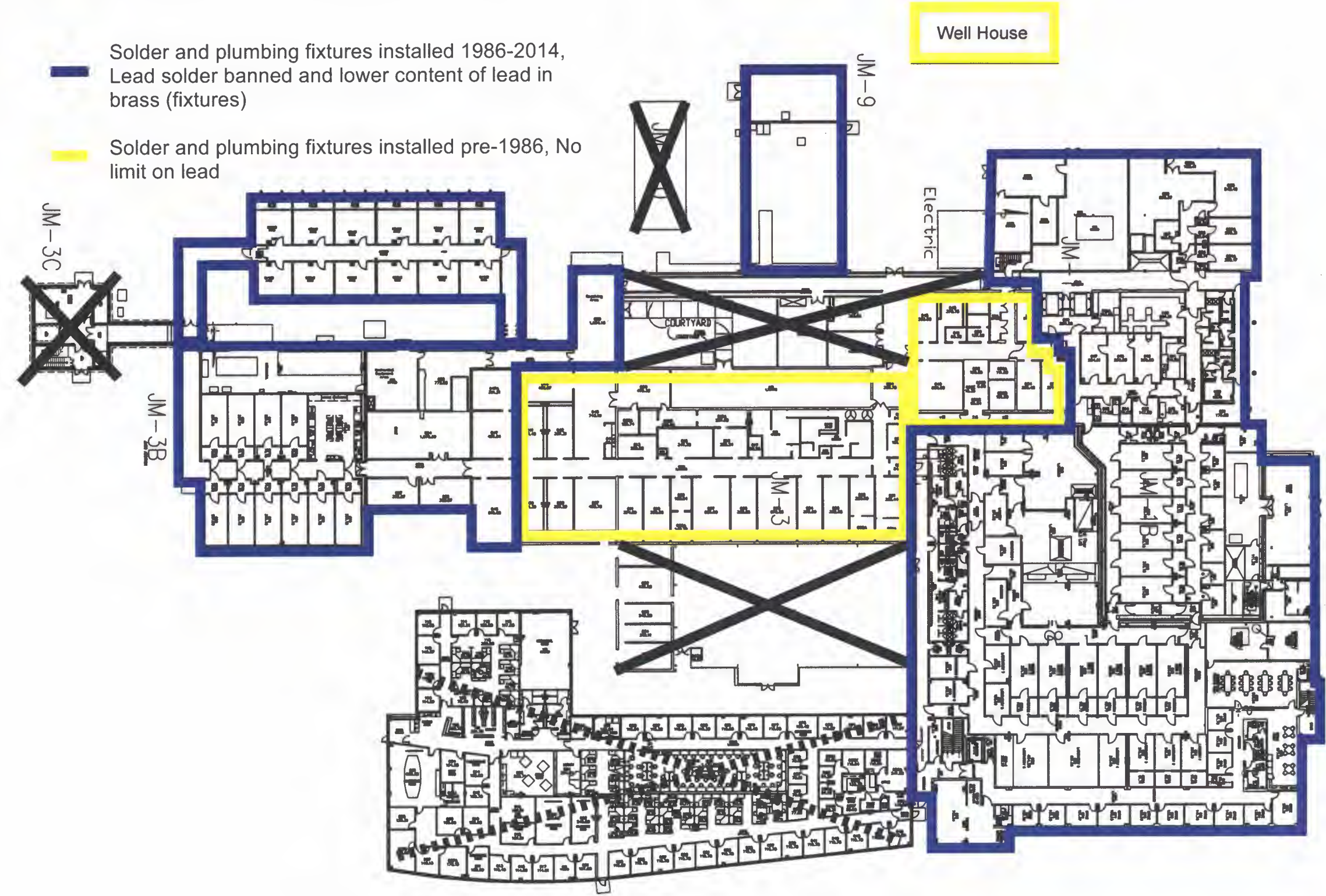
Date: 03/20/2013
Drawn by: NAME
Approved by:
Scale: SCALE
CA NO.: CA
DWG NO.: NUMBER

1425 Plain City-Georgesville Rd. West
Jefferson, OH 43162 614-424-3059

Battelle
The Business of Innovation

WEST JEFFERSON OH 4930212 Scale: 1" = 50'

Areas with Possible Lead Solder or Fixtures



Battelle
The Business of Innovation

1425 Plain City-Georgesville Rd. West
Jefferson, OH 43162 614-424-3059

WEST JEFFERSON OH 4930212 Scale: 1" = 50'

Date: 03/20/2013

Drawn by: NAME

Approved by:

Scale: SCALE

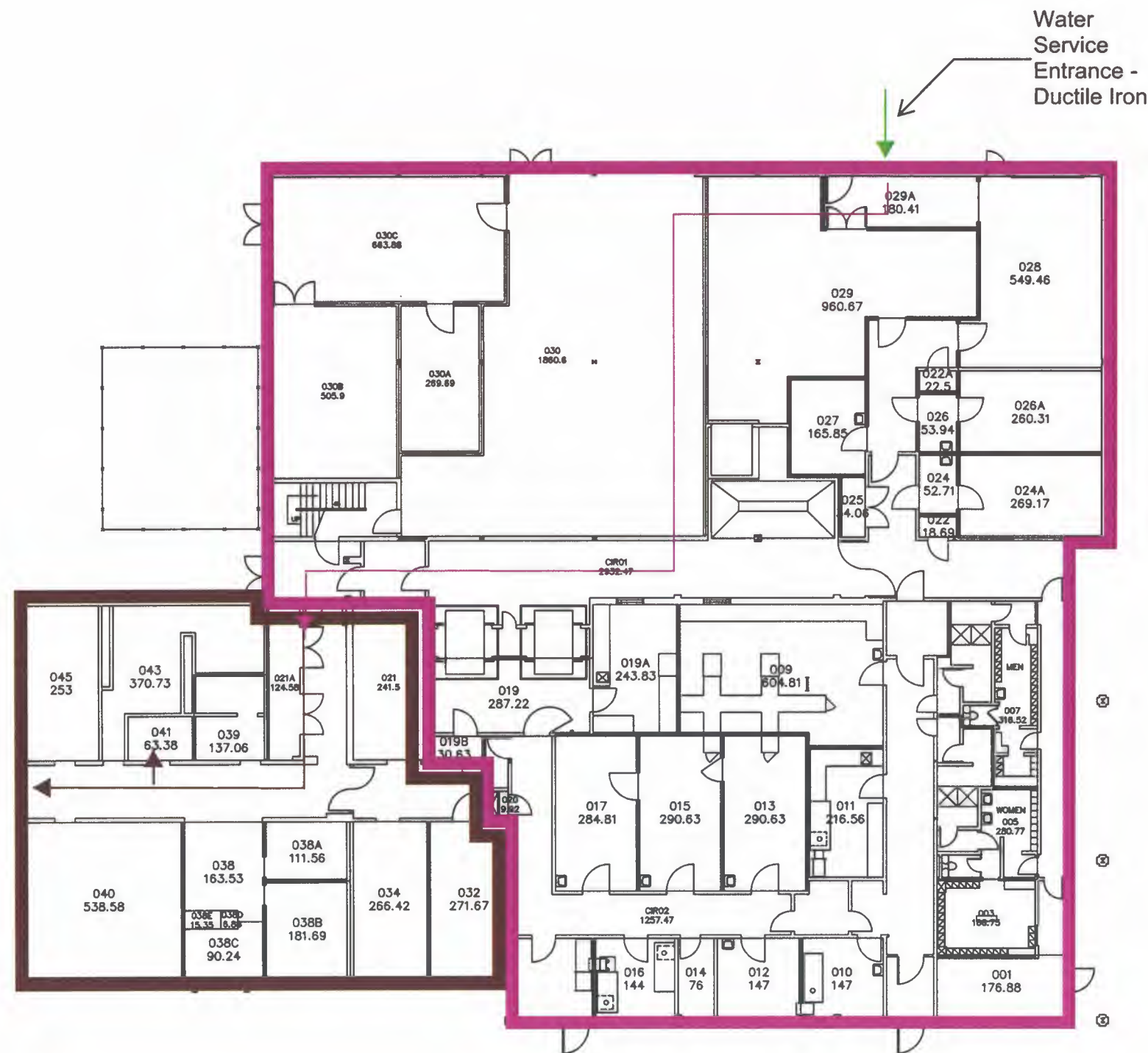
CA NO: CA

DWG NO: NUMBER

Revisions

Rev Date Description





- 1994 building addition/renovation; water line installed 1994 - copper pipe with lead-free solder
- 1965: fixtures and water line installed – copper pipe
- Water service entrance point; ductile iron

1425 Plain
City-Georgesville Rd,
West Jefferson, OH
43162
614-424-3059



- Copper with Lead Free Solder
- Fixtures Installed, 1994
- Water Service Entrance Point, Ductile Iron



SIGNATURE	DATE	REVISIONS					
		NO.	DESCRIPTION	BY	CHKD BY	DATE	APPROVED BY

SIGNATURE _____ DATE _____

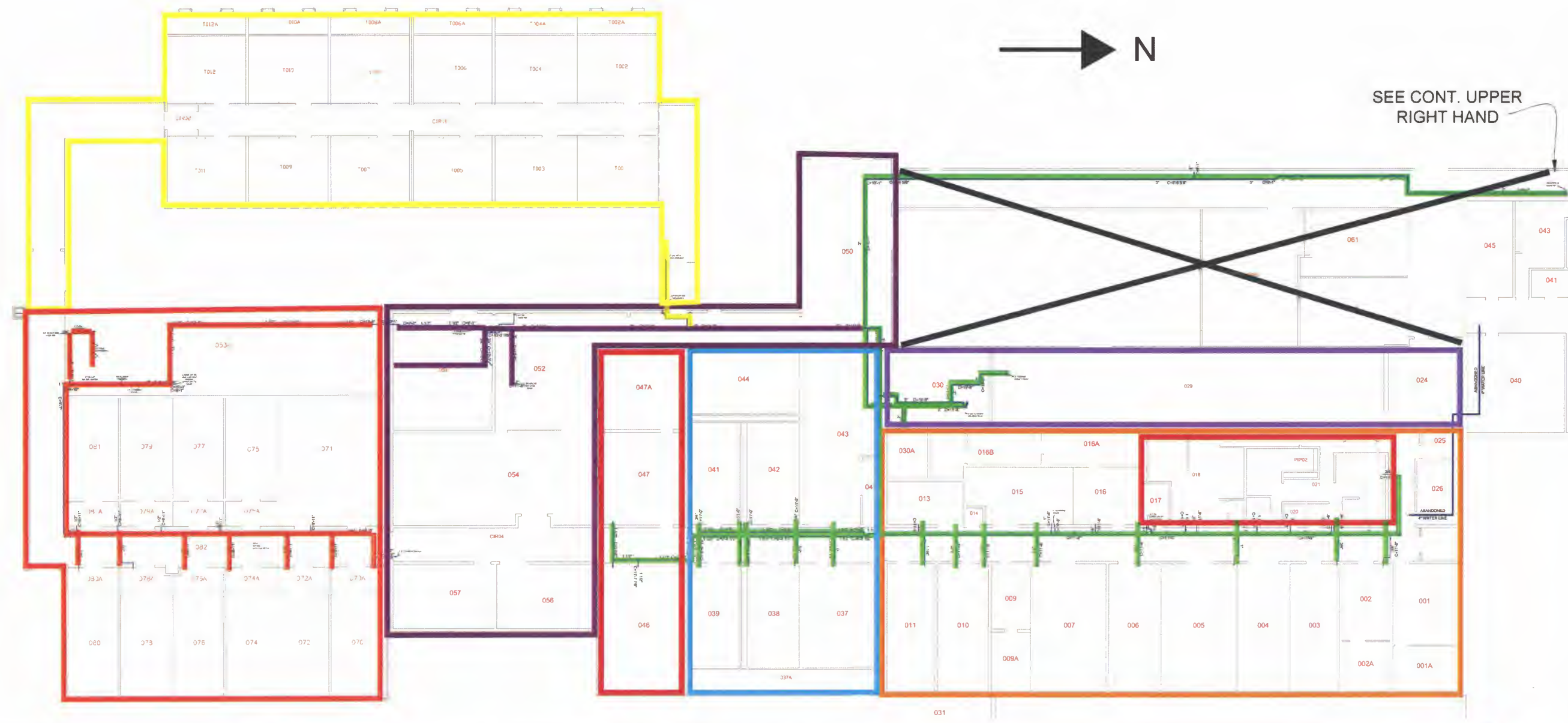
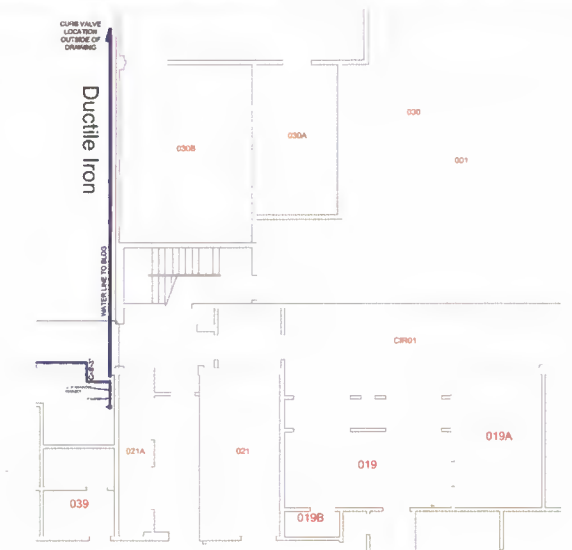
PROPERTY OF FACILITIES ENGINEERING & DESIGN CA NO

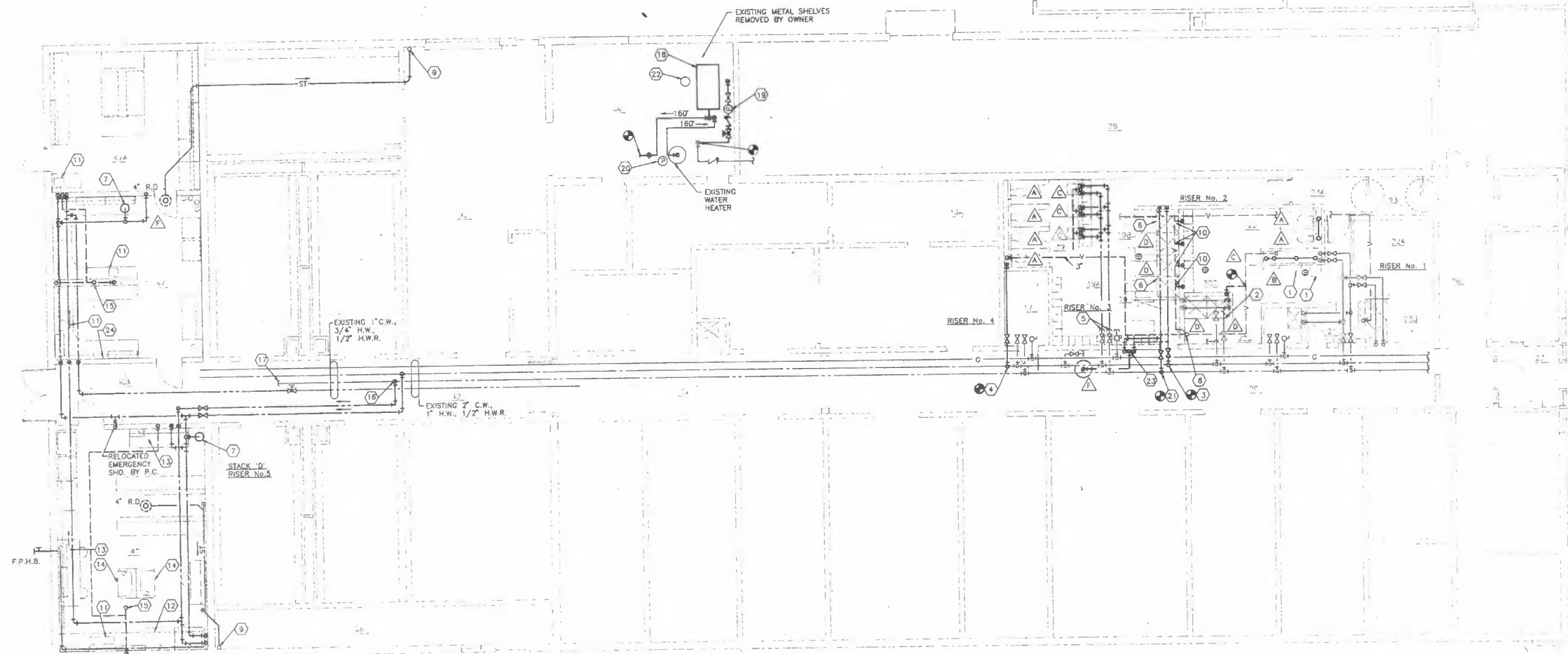
HWA C.A. Williams Assoc., Inc.
Consulting Engineers
980 WEST HENDERSON RD. 8780 COVEREDPORT HILL DR.
COLUMBUS, OHIO 43220 CHICAGO, IL OHIO 43249
814-631-1711 313-683-3476

These Record Drawings have been prepared based on information provided by others. The Engineer has not verified the accuracy of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result.

- 2014: Replacement copper pipe and fittings installed; lead-free solder
- 1980: Fixtures and interior room copper pipe installed
- 1983: Fixtures and interior room copper pipe installed
- 1985: Fixtures and interior room copper pipe installed
- 1988: Fixtures and interior room copper pipe installed; lead-free solder
- 2001: Fixtures and copper pipe installed; lead-free solder
- 2003: Fixtures and copper pipe installed; lead-free solder
- 2005: Fixtures and copper pipe installed; lead-free solder

✕ - No water available for human consumption





- PLAN NOTES**
- 1 RECONNECT WATER AND DRAIN PIPING ON EXISTING FIXTURES TO NEW PIPING.
 - 2 CONNECT NEW 3/4" H.W. TO EXISTING H.W. VERIFY SIZE OF EXISTING PIPE.
 - 3 CONNECT NEW 1-1/4" C.W. TO EXISTING 3" C.W. MAIN. COORDINATE SHUT-DOWN OF C.W. SYSTEM WITH BATTELLE MAINTENANCE SUPERVISOR.
 - 4 CONNECT NEW 2" C.W. TO EXISTING 3" C.W. MAIN. COORDINATE SHUT-DOWN OF C.W. SYSTEM WITH
 - 5 CONNECT NEW 3/4" C.W. 3/4" H.W. TO EXISTING 1/2" C.W. 1/2" H.W. AT VALVES.
 - 6 EXISTING SHOWER RELOCATED BY P.C.
 - 7 TRAP PRIMER BY P.C. EXTEND 1/2" COPPER PRIMER PIPE UNDER FLOOR TO FLOOR DRAIN.
 - 8 CONNECT NEW 3" VENT TO EXISTING 4" V.T.R.
 - 9 CONNECT NEW 4" STORM DRAIN TO EXISTING 4" D.S.
 - 10 CONNECT NEW 1-1/2" VENT TO EXISTING 2" VENT.
 - 11 SINK FURNISHED & INSTALLED BY G.C. P.C. TO ROUGH-IN 1/2" C.W. 1/2" H.W. 1-1/2" DRAIN & MAKE FINAL CONNECTIONS COMPLETE.
 - 12 FUME HOOD FURNISHED & INSTALLED BY G.C. P.C. TO ROUGH-IN 1/2" C.W. 1-1/2" DRAIN. AND MAKE FINAL CONNECTIONS. P.C. FURNISH & INSTALL SPECIFIED AND PLASTICS No. N-5 ACID DILUTION TRAP
 - 13 CUP SINK FURNISHED & INSTALLED BY G.C. P.C. TO ROUGH-IN 1/2" C.W. 1/2" H.W. 1-1/2" DRAIN & MAKE FINAL CONNECTIONS COMPLETE.
 - 14 EXISTING FUME HOOD RELOCATED BY OWNER. P.C. ROUGH-IN 2" DRAIN WITH LOOP VENT. P.C. INSTALL ACID DILUTION TRAP RELOCATED BY OWNER, AND RECONNECT CUP SINK DRAIN.
 - 15 3" VENT THRU ROOF.
 - 16 CUT-IN TEES ON EXISTING ON EXISTING 1-1/4" C.W. 1" H.W.
 - 17 CAP EXISTING 1/2" H.W. PIPE. CONNECT NEW 1/2" H.W.R. TO EXISTING H.W.R. BALANCE VALVE
 - 18 HOT WATER STORAGE TANK, P/N No. 400T 400 GALLON CAPACITY. 35" x 70" x 74" HIGH NICKELSHIELD TANK LINING, FURNISH WITH T & P RELIEF VALVE.
 - 19 H.W.R. PUMP No. 1, B & C SERIES 60 ALL BRONZE, 1-1/4" AA, 25 GPM @ 16FT. HEAD 1/4 HP, 120V/1PH, FURNISHED & INSTALLED BY P.C.
 - 20 REMOVE EXISTING 140" H.W.R. PUMP, REPLACE WITH H.W.R. PUMP No. 2 B&C No. 1-1/4" AA 15 GPM @ 20FT. HEAD, 1/4 HP, 120V/1PH, FURNISHED & INSTALLED BY P.C.
 - 21 CONNECT NEW 1-1/2" 140" H.W. TO EXISTING 2" H.W. MAIN. COORDINATE SHUT DOWN OF H.W. SYSTEM WITH BATTELLE.
 - 22 EXPANSION TANK, ANTROL No. AST-80, PRECHARGED @ 60 PSIG.
 - 23 THERMOSTATIC MIXING VALVE, LEONARD No. TM-50 ANGLE CHECK STOPS, CHROME PLATED FINISH, FURNISHED & INSTALLED BY P.C. PIPING EXPOSED ON WALL SHALL BE INSULATED, WITH CEELCO PIPE COVERING AS CALLED FOR IN THE INSULATION SPECIFICATION FOR PIPING IN LOCKER ROOMS.
 - 24 P.C. ROUGH-IN 1/2" C.W. 1/2" H.W. 1-1/2" DRAIN FOR FUTURE GLASS WASHER BY OWNER BOOSTER WATER HEATER TO BE FURNISHED & INSTALLED BY OWNER.

PLUMBING FIRST FLOOR PLAN

NEW OVERHEAD PIPING

1/8" = 1'-0"

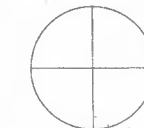


Distribution System:

Interior building supply line - copper pipe with lead free solder, replaced 2014

Interior room pipe - copper pipe, installed 1988

Fixtures - installed 1988



REVISIONS		DESCRIPTION
NO.	DATE	DESCRIPTION
1	1-17-88	CONSTRUCTION DOCUMENTS
2	1-17-88	

SIGNATURE	DATE
DRAWN BY W.E. MONKS & CO.	
APPROVED BY	

Battelle
 1425 Plain City-Georgesville Rd. West
 Jefferson, OH 43162 614-424-3059
 1988 EXPANSION
 BUILDING JM-3 WEST JEFFERSON, OHIO OH 430212
 DRAWING NO. P-3 SHEET OF
 SCALE: AS NOTED
 CA NO:
 PROPERTY OF FACILITIES ENGINEERING & DESIGN

**BID PACKAGE
NO.2 NOTE**

BID PACKAGE #2 ISSUED FOR ALL WORK ITEMS NOT INCLUDED IN BID PACKAGE #1. REFER TO SPECS FOR A MORE DETAILED DESCRIPTION. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER TO SUBMIT AND DEFINE THE SCOPE OF ALL BID ITEMS, AS REQUIRED.

Battelle West
Jefferson
OH 4930212
1425 Plain City-
Georgesville Rd.
West Jefferson,
OH 43162
614-424-3059

mark	date	description
04/3/02	BID PKG. NO.2	ISSUED FOR BIDDING

**BATTELLE
JM-1 ADDITION**

drawn by
EJL
project no.
11.00091843.00
date
April 3, 2002

**FIRST LEVEL PLAN
PLUMBING AND
FIRE PROTECTION**

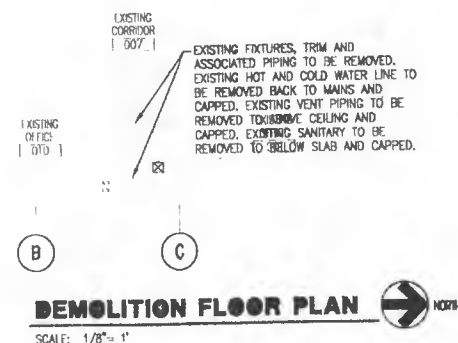
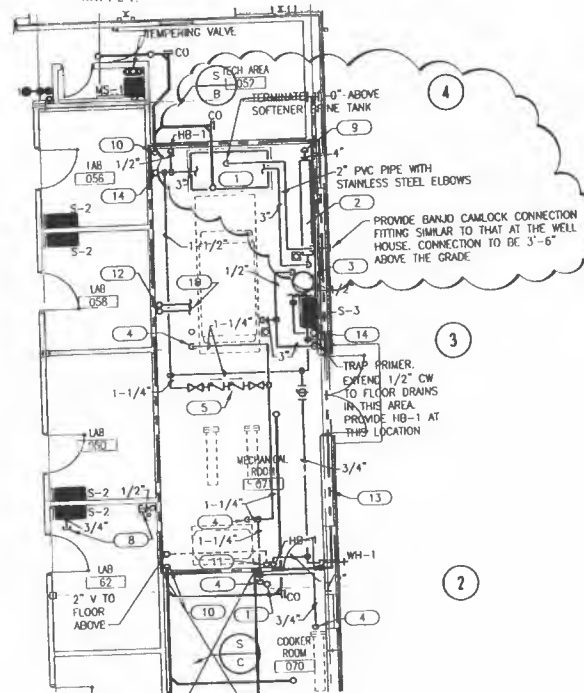
P1-2

CODED NOTES

1. WATER SOFTENER. SEE DETAIL ON SHEET P4-1.
2. WATER SERVICE ENTRANCE. SEE DETAIL ON SHEET P4-1.
3. WATER HEATER. SEE DETAIL ON SHEET P4-1.
4. COORDINATE. CONNECT WITH HVAC CONTRACTOR.
5. 1-1/4" MAKE-UP WITH REDUCE PRESSURE BACKFLOW PREVENTER.
6. CONNECT 1-1/2" CW TO COLD WATER LINE SERVING TRAILERS INSTALLED IN BP#1.
7. 3/4" CW AND 1/2" A CAPPED FOR FUTURE AUTOCLAVE.
8. CONNECT 4" CW TO 4" CW INSTALLED IN BP#1.
9. CONNECT 4" SAN TO 4" SAN INSTALLED IN BP#1.
10. CONNECT 2" V TO 2" V INSTALLED IN BP#1.
11. 3/4" FOS AND 3/4" FOR FROM FLOOR ABOVE.
12. PROVIDE A LIMITED AREA TYPE SPRINKLER SYSTEM IN THIS AREA PER NFPA CHAPTER 13 ORDINARY HAZARD GROUP 1 OCCUPANCY WITH A DENSITY OF 0.15 GPM PER SQUARE FOOT OVER THE MOST REMOTE 1500 SQUARE FEET WITH A MAXIMUM OF 130 SQUARE FEET PER HEAD.
13. 3" G, 1-1/4" HW AND 3/4" HWIR TO FLOOR ABOVE.
14. 2-1/2" CW TO FLOOR ABOVE.
15. SEE SHEET P4-1 FOR FUEL OIL MANIFOLD DETAIL.
16. PROVIDE 4"x6" REDUCER WITH 6" EXTENSION ON 4" HUB DRAIN.
17. PROVIDE STAINLESS STEEL HOSE RACK EQUAL TO McMASTER MODEL 53325K33 AND 3/4" EDPM BLACK RUBBER HOSE EQUAL TO McMASTER MODEL 7453T17. COORDINATE EXACT LOCATION WITH ARCHITECT.

Addendum #1

...ing No. P1-2, First Level Plan - Plumbing and Fire Protection
Provide suit delivery piping as indicated on attached Sketch No. SKP1-2-1.



Building Distribution System 2002:
- Copper pipe with lead free solder
- Fixtures installed 2002

FLOOR PLAN
SCALE: 1/8" = 1'



URS
 architects • engineers • planners
 277 west nationwide boulevard
 columbus, ohio 43215
 (614) 464-4500 fax (614) 464-0588
 http://www.urscorp.com

Battelle
 ... Putting Technology To Work
 505 King Avenue
 Columbus, Ohio 43201-2693

**BID PACKAGE
 NO.2 NOTE**

BID PACKAGE #2 ISSUED FOR ALL WORK ITEMS NOT INCLUDED IN BID PACKAGE #1. REFER TO SPECS FOR A MORE DETAILED DESCRIPTION. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER TO SUBMIT AND DEFINE THE SCOPE OF ALL BID ITEMS, AS REQUIRED.

Battelle West
 Jefferson
 OH 4930212
 1425 Plain
 City-Georgesville
 Rd.
 West Jefferson,
 OH 43162
 614-424-3059

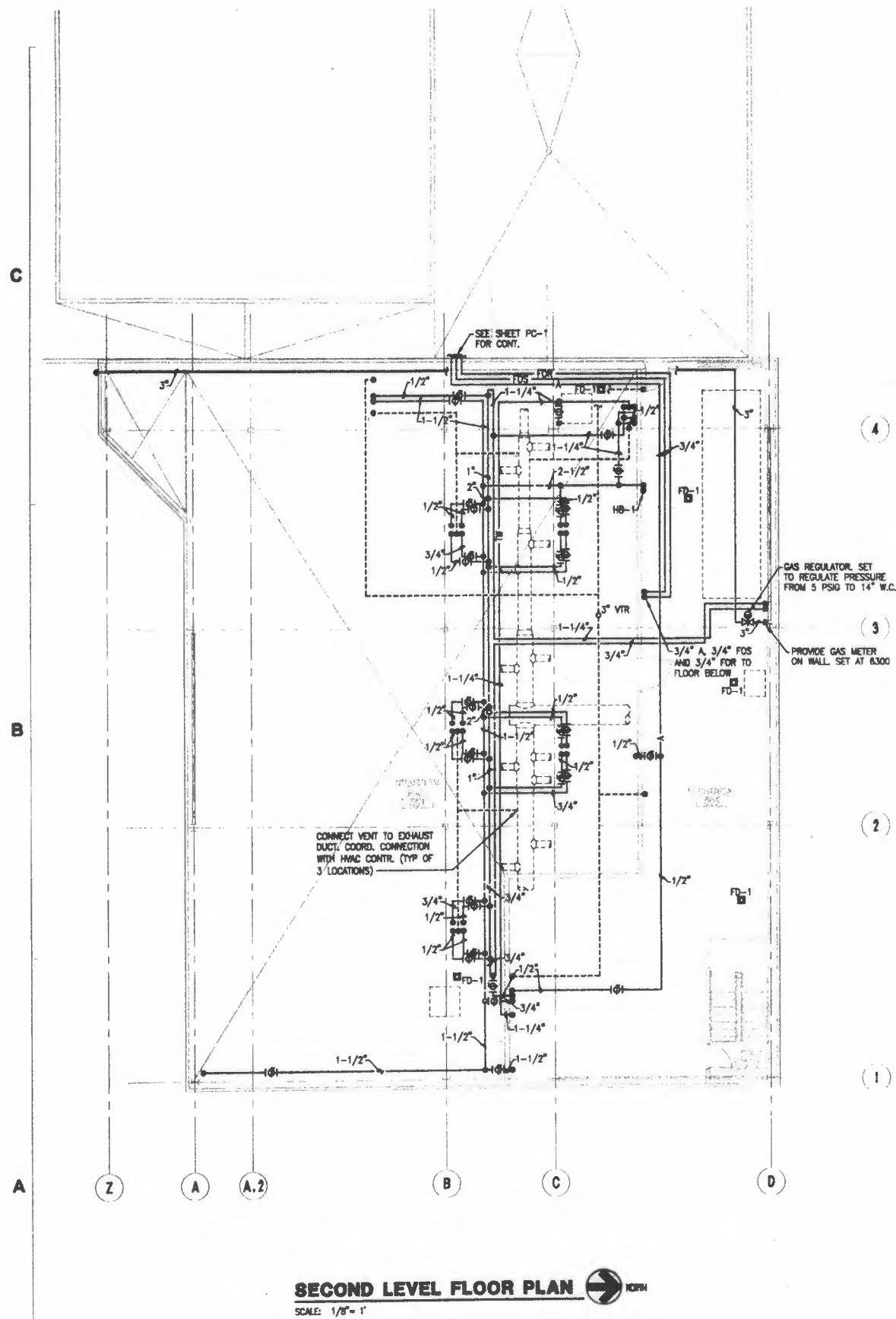
mark	date	description
■	04/3/02	BID PKG. NO.2 ISSUED FOR BIDDING

**BATTELLE
 JM-1 ADDITION**

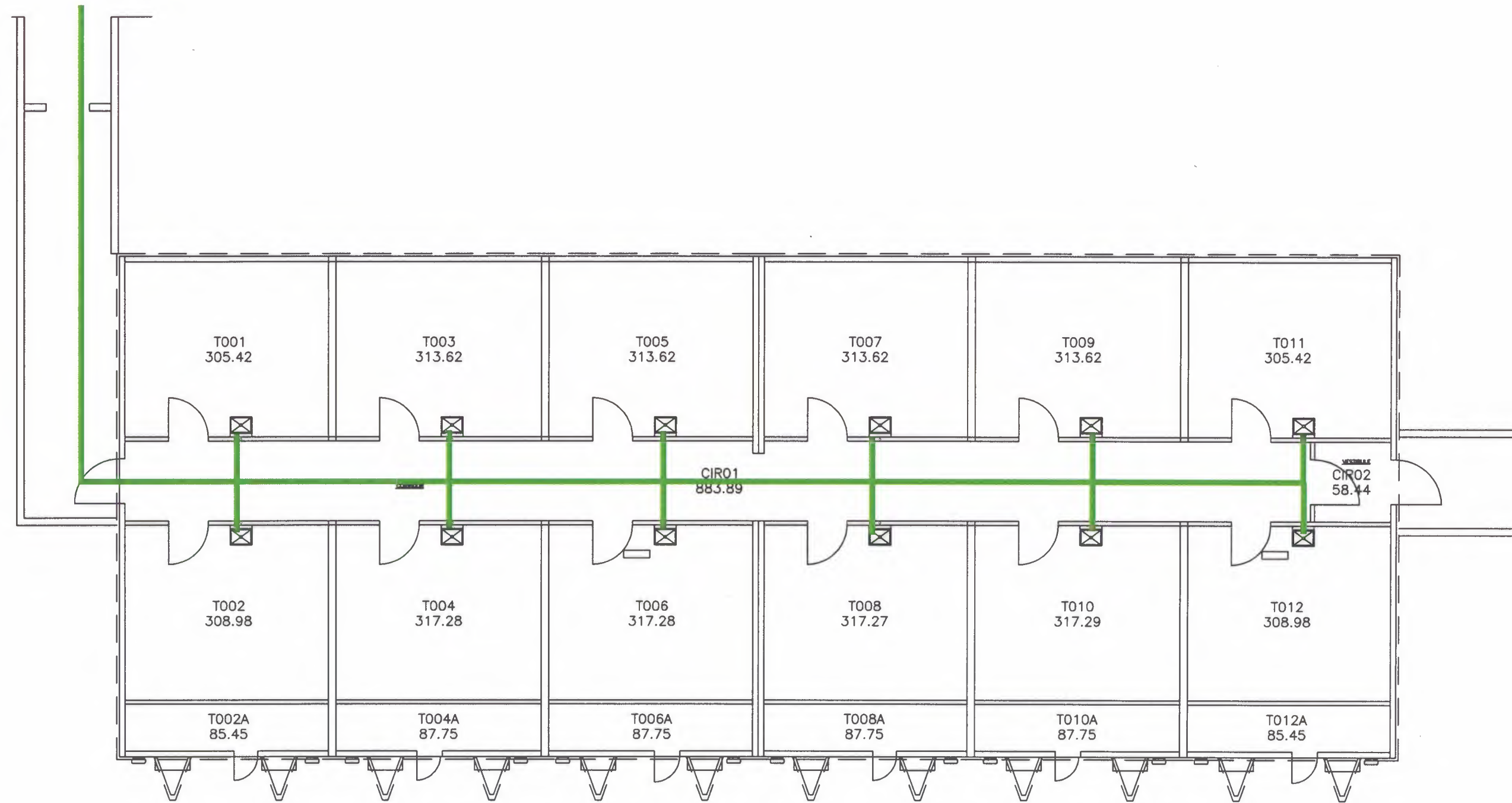
AS BUILTS
 drawn by E.J.L.
 project no. 11.00091845.00
 date April 3, 2002
 checked by
 drawing scale 1/8"=1'-0"

**SECOND LEVEL
 FLOOR PLAN
 PLUMBING AND
 FIRE PROTECTION**

P1-3



Building Distribution System 2002:
 - Copper pipe with lead free solder
 - Fixtures installed 2002



JM-3A

Building Distribution System 2003:

- - Copper pipe with lead free solder
- Fixtures - installed 2003



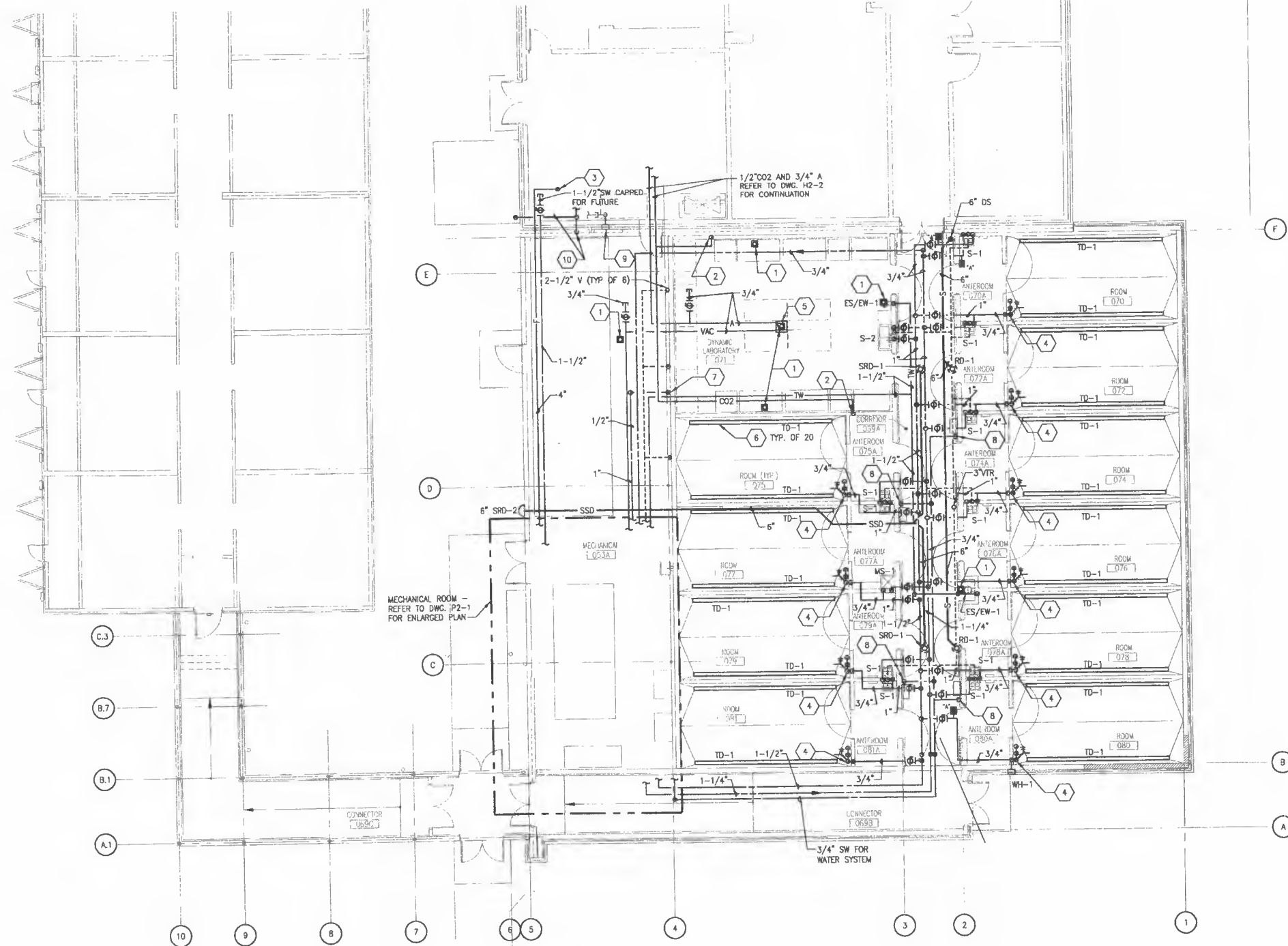
Scale: 1" = 10'

Building JM-3A

1425 Plain City-Georgesville Rd. West
Jefferson, OH 43162 614-424-3059

OH 4930212

Battelle
The Business of Innovation



CODED NOTES

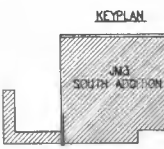
- FLOOR DRAIN. SEE DWG. PF1-1.
- DROP DOWN IN WALL WITH 1/2" CO2 AND EXTEND OUT OF WALL WITH 1/2" CO2 AT 30" AND 60" AFF. TERMINATE WITH SERRATED TIP NEEDLE SHUT-OFF VALVE AT EACH ELEV.
- DISCONNECT EXISTING 4" FIRE SERVICE NEAR FLOOR AND CAP. DROP DOWN WITH NEW 4" LINE AND CONNECT TO EXISTING 4" LINE PRIOR TO BACKFLOW PREVENTER. COORDINATE WATER SHUT-OFF WITH OWNER.
- DROP DOWN IN WALL WITH 3/4" SW. EXTEND OUT OF WALL WITH 3/4" SW. PROVIDE VACUUM BREAKER, AND DROP DOWN ALONG WALL WITH SW LINE TO HOSE BIBB, AND EXTEND 1/2" SW LINES DOWN TO 24" ABOVE FLOOR AND BACK INTO WALL. ROUTE PIPING DOWN IN WALL TO UNDERGROUND AND OVER TO TRENCH DRAINS. PROVIDE 3/4" VINYL HOSE AND REEL. MOUNT ON WALL AT HEIGHT AS DIRECTED BY OWNER. SEE DETAIL ON DWG. P2-1.
- CEILING MOUNTED STATIONARY SERVICE COLUMN FOR COMPRESSED AIR AND VACUUM OUTLETS AND ELECT. RECEPTACLES. MOUNT WITH BOTTOM AT 6'-0" AFF.
- TRENCH DRAIN TD-1. SEE DWG. PF1-1.
- DROP DOWN ALONG WALL WITH 1/2" CW LINE TO TRAP PRIMER WITH DISTRIBUTION UNIT. PROVIDE BALL VALVE IN DROP. EXTEND 1/2" CW LINES FROM UNIT DOWN THRU SLAB. REFER TO DWG. PF1-1 FOR CONTINUATION.
- REMOVE EXISTING WALL HYDRANT AND CAP 3/4" CW LINE IN MECH. ROOM. PATCH WALL SO IT IS WATERTIGHT.
- REMOVE 1-1/2" FIRE LINE DRAIN THRU WALL AND PATCH WALL SO IT IS WATERTIGHT. REROUTE 1-1/2" DRAIN LINE TO WEST WALL. EXTEND DRAIN LINE OUT THRU WALL AT 18" ABOVE GRADE AND TURN DOWN. CORE DRILL EXISTING WALL AND SEAL WATERTIGHT.

URS
architects • engineers • planners
277 west nationwide boulevard
columbus, ohio 43215
(614) 464-4500 fax (614) 464-0588
http://www.urscorp.com

Battelle
The Business of Innovation

DESIGN RELEASE NO.2 NOTE

DESIGN RELEASE #2 ISSUED FOR REMAINDER OF WORK, INCLUDING, ARCHITECTURAL, STRUCTURAL AND MEP. REFER TO SPECS FOR A MORE DETAILED DESCRIPTION. DR#1 IS INCLUDED FOR REFERENCE. IT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER TO SUBMIT AND DEFINE THE SCOPE OF ALL BID ITEMS, AS REQUIRED.



mark	date	description
1	11/09/04	DESIGN RELEASE #1 (REF. ONLY)
2	11/11/04	PROGRESS REVIEW
3	11/30/04	FINAL REVIEW
4	12/08/04	CONSTRUCTION DOCUMENTS

OH 4930212

BATTELLE JM3 SOUTH ADDITION

1425 Plain
City-Georgesville Rd. West
Jefferson, OH 43162
614-424-3059

drawn by
ETK
project no.
14573152.00000
date
December 6, 2004

checked by
HCH
drawing scale
1/8" = 1'-0"

FLOOR PLAN PLUMBING

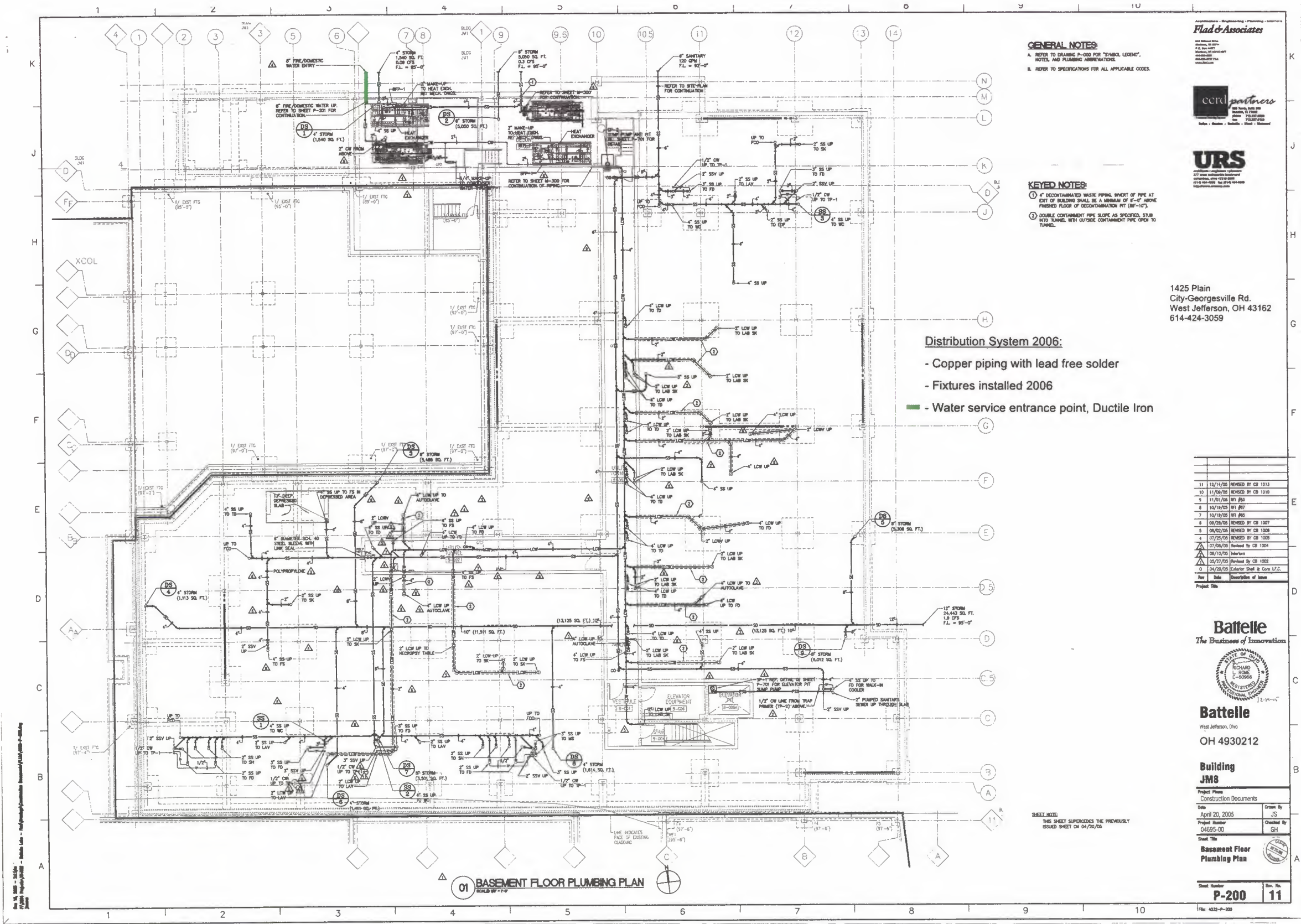
P1-1

Building Distribution System 2005:

- Copper pipe with lead free solder
- Fixtures - installed 2005

1 FLOOR PLAN - PLUMBING

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



GENERAL NOTES:
A. REFER TO DRAWING P-200 FOR "SYMBOL LEGEND", NOTES, AND PLUMBING ABREVIATIONS.
B. REFER TO SPECIFICATIONS FOR ALL APPLICABLE CODES.

KEYED NOTES:
① 4" DECONTAMINATED WASTE PIPING, INVERT OF PIPE AT EXIT OF BUILDING SHALL BE A MINIMUM OF 6'-0" ABOVE FINISHED FLOOR OF DECONTAMINATION PIT (88'-10").
② DOUBLE CONTAMINANT PIPE SLOPE AS SPECIFIED, STUB INTO TUNNEL WITH OUTSIDE CONTAMINANT PIPE OPEN TO TUNNEL.

- Distribution System 2006:**
- Copper piping with lead free solder
 - Fixtures installed 2006
 - Water service entrance point, Ductile Iron

Flad & Associates
Architects - Engineers - Planners - Interiors
440 Madison Ave.
New York, NY 10017
Tel: 212 692-1000
Fax: 212 692-1001
www.flad.com

ccrd partners
Construction Cost Reporting & Data
100 West 17th Street
New York, NY 10011
Tel: 212 692-1000
Fax: 212 692-1001
www.ccrd.com

URS
225 West 17th Street
New York, NY 10011
Tel: 212 692-1000
Fax: 212 692-1001
www.urscorp.com

1425 Plain
City-Georgesville Rd.
West Jefferson, OH 43162
614-424-3059

Rev	Date	Description of Change
11	12/14/05	REVIEWED BY CB 1013
10	11/08/05	REVIEWED BY CB 1010
9	11/01/05	BY JMB
8	10/18/05	BY JMB
7	10/13/05	BY JMB
6	09/29/05	REVIEWED BY CB 1007
5	09/02/05	REVIEWED BY CB 1006
4	07/25/05	REVIEWED BY CB 1005
3	07/06/05	REVIEWED BY CB 1004
2	06/15/05	INTERIORS
1	05/27/05	REVIEWED BY CB 1003
0	04/20/05	CONSTRUCTION SHEET & CORE U.G.

Battelle
The Business of Innovation



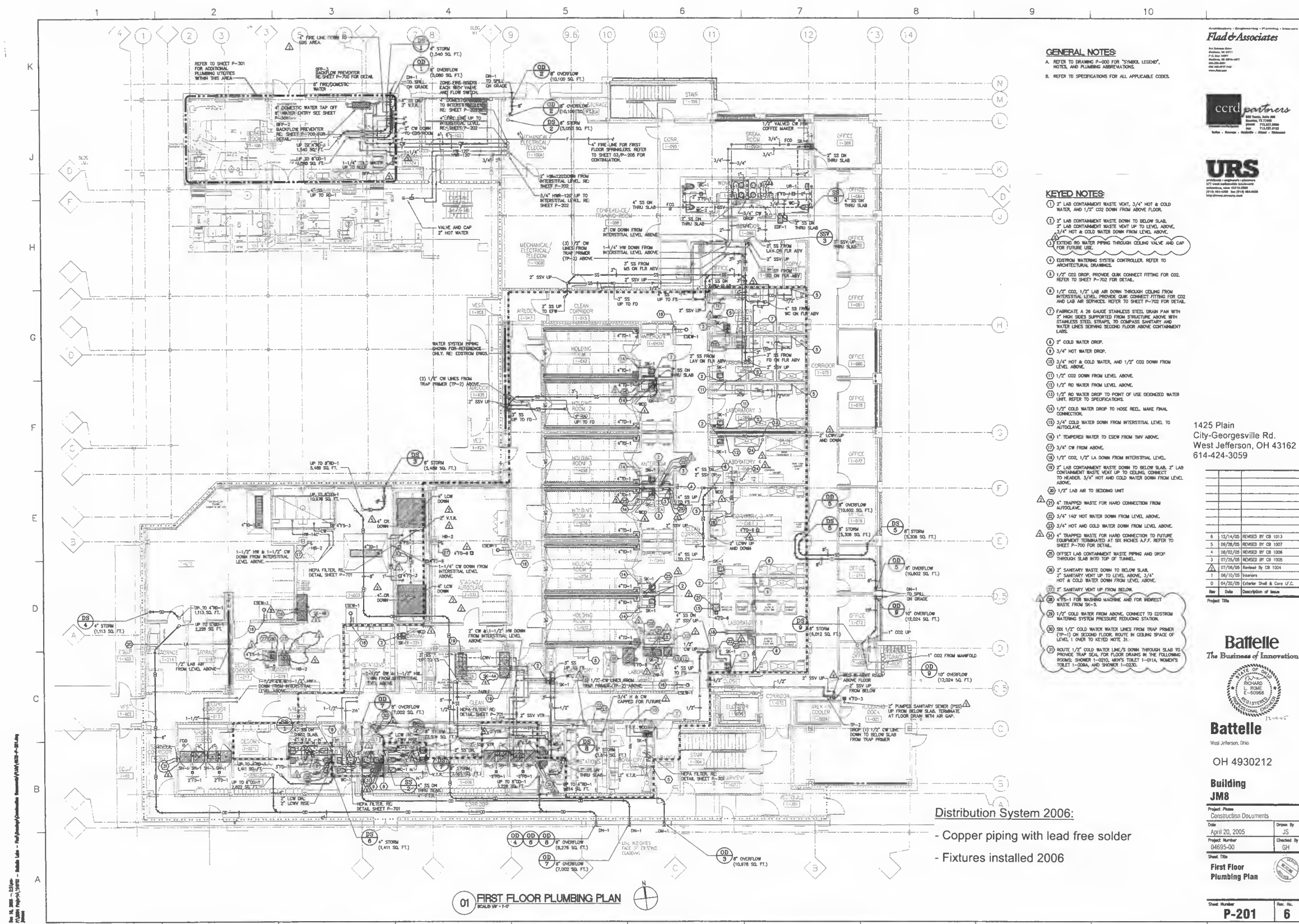
Battelle
West Jefferson, Ohio
OH 430212

Building JM8

Project Name	Construction Documents
Date	April 20, 2005
Project Number	04295-00
Sheet Title	Basement Floor Plumbing Plan

Sheet Number	Rev. No.
P-200	11

SHEET NOTE:
THIS SHEET SUPERSEDES THE PREVIOUSLY ISSUED SHEET ON 04/20/05



GENERAL NOTES:
A. REFER TO DRAWING P-000 FOR "SYMBOL LEGEND",
NOTES AND PLUMBING ABBREVIATIONS.
B. REFER TO SPECIFICATIONS FOR ALL APPLICABLE CODES.

- KEYED NOTES:**
- 1) 2" LAB CONTAINMENT WASTE VENT, 3/4" HOT & COLD WATER AND 1/2" COOL DOWN FROM ABOVE FLOOR.
 - 2) 2" LAB CONTAINMENT WASTE DOWN TO BELOW SLAB.
 - 3) 2" LAB CONTAINMENT WASTE VENT UP TO LEVEL ABOVE, 3/4" HOT & COLD WATER DOWN FROM LEVEL ABOVE.
 - 4) EXTEND RO WATER PIPING THROUGH CEILING VALVE AND CAP FOR FUTURE USE.
 - 5) EDSTRON WATERING SYSTEM CONTROLLER. REFER TO ARCHITECTURAL DRAWINGS.
 - 6) 1/2" CO2 DROP. PROVIDE GLENN CONNECT FITTING FOR CO2. REFER TO SHEET P-702 FOR DETAIL.
 - 7) 1/2" CO2, 1/2" LAB AIR DOWN THROUGH CEILING FROM INTERSTITIAL LEVEL. PROVIDE GLENN CONNECT FITTING FOR CO2 AND LAB AIR SERVICES. REFER TO SHEET P-702 FOR DETAIL.
 - 8) FABRICATE A 26 GAUGE STAINLESS STEEL DRAIN PAN WITH 2" HIGH SIDES SUPPORTED FROM STRUCTURE ABOVE WITH STAINLESS STEEL STRAPS TO COMPASS SANITARY AND WATER LINES SERVING SECOND FLOOR ABOVE CONTAINMENT LABS.
 - 9) 2" COLD WATER DROP.
 - 10) 3/4" HOT WATER DROP.
 - 11) 3/4" HOT & COLD WATER, AND 1/2" COOL DOWN FROM LEVEL ABOVE.
 - 12) 1/2" CO2 DOWN FROM LEVEL ABOVE.
 - 13) 1/2" RO WATER DROP TO POINT OF USE DEIONIZED WATER UNIT. REFER TO SPECIFICATIONS.
 - 14) 1/2" COLD WATER DROP TO HOSE REEL. MAKE FINAL CONNECTION.
 - 15) 3/4" COLD WATER DOWN FROM INTERSTITIAL LEVEL TO AUTOCLAVE.
 - 16) 1" TEMPERED WATER TO EXCH FROM TRAY ABOVE.
 - 17) 3/4" CW FROM ABOVE.
 - 18) 1/2" CO2, 1/2" LAB AIR DOWN FROM INTERSTITIAL LEVEL.
 - 19) 2" LAB CONTAINMENT WASTE DOWN TO BELOW SLAB. 2" LAB CONTAINMENT WASTE VENT UP TO CEILING. CONNECT TO HEADER. 3/4" HOT AND COLD WATER DOWN FROM LEVEL ABOVE.
 - 20) 1/2" LAB AIR TO BEDDING UNIT.
 - 21) 4" TRAPPED WASTE FOR HARD CONNECTION FROM AUTOCLAVE.
 - 22) 3/4" 140° HOT WATER DOWN FROM LEVEL ABOVE.
 - 23) 3/4" HOT AND COLD WATER DOWN FROM LEVEL ABOVE.
 - 24) 4" TRAPPED WASTE FOR HARD CONNECTION TO FUTURE EQUIPMENT TERMINATED AT SIX INCHES A.F.F. REFER TO SHEET P-702 FOR DETAIL.
 - 25) OFFSET LAB CONTAINMENT WASTE PIPING AND DROP THROUGH SLAB INTO TOP OF TUNNEL.
 - 26) 2" SANITARY WASTE DOWN TO BELOW SLAB.
 - 27) 2" SANITARY VENT UP TO LEVEL ABOVE. 3/4" HOT & COLD WATER DOWN FROM LEVEL ABOVE.
 - 28) 2" SANITARY VENT UP FROM BELOW.
 - 29) 4" 140° HOT WATER DOWN FROM LEVEL ABOVE. 3/4" HOT & COLD WATER DOWN FROM LEVEL ABOVE.
 - 30) 1/2" COLD WATER FROM ABOVE. CONNECT TO EDSTRON WATERING SYSTEM PRESSURE REDUCING STATION.
 - 31) SIX 1/2" COLD WATER WATER LINES FROM TRAP PRIMER (TP-1) ON SECOND FLOOR. ROUTE IN CEILING SPACE OF LEVEL 1. OVER TO FLOOR NOTE 31.
 - 32) ROUTE 1/2" COLD WATER LINE'S DOWN THROUGH SLAB TO PROVIDE TRAP SEAL FOR FLOOR DRAINS IN THE FOLLOWING ROOMS: SHOWER 1-020, MEN'S TOILET 1-021, WOMEN'S TOILET 1-022, AND SHOWER 1-023.

Flad & Associates
Architects - Engineers - Planners - Interiors
400 North, Suite 200
Boulder, CO 80501
Phone: 303.440.4477
Fax: 303.440.4478
www.flad.com

ccrd partners
Construction Cost Reporting
127 West Washington Avenue
Boulder, CO 80502
Phone: 303.440.4477
Fax: 303.440.4478
www.ccrd.com

URS
127 West Washington Avenue
Boulder, CO 80502
Phone: 303.440.4477
Fax: 303.440.4478
www.urscorp.com

1425 Plain
City-Georgestown Rd.
West Jefferson, OH 43162
614-424-3059

Rev	Date	Description of Issue
0	04/20/05	External Shell & Core U.C.
1	04/20/05	Revised by CB 1004
2	07/25/05	Revised by CB 1005
3	08/02/05	Revised by CB 1006
4	08/02/05	Revised by CB 1006
5	08/02/05	Revised by CB 1007
6	12/14/05	Revised by CB 1013

Battelle
The Business of Innovation



Battelle
West Jefferson, Ohio

OH 4930212

Building JM8

Project Phase
Construction Documents

Date
April 20, 2005

Project Number
04695-00

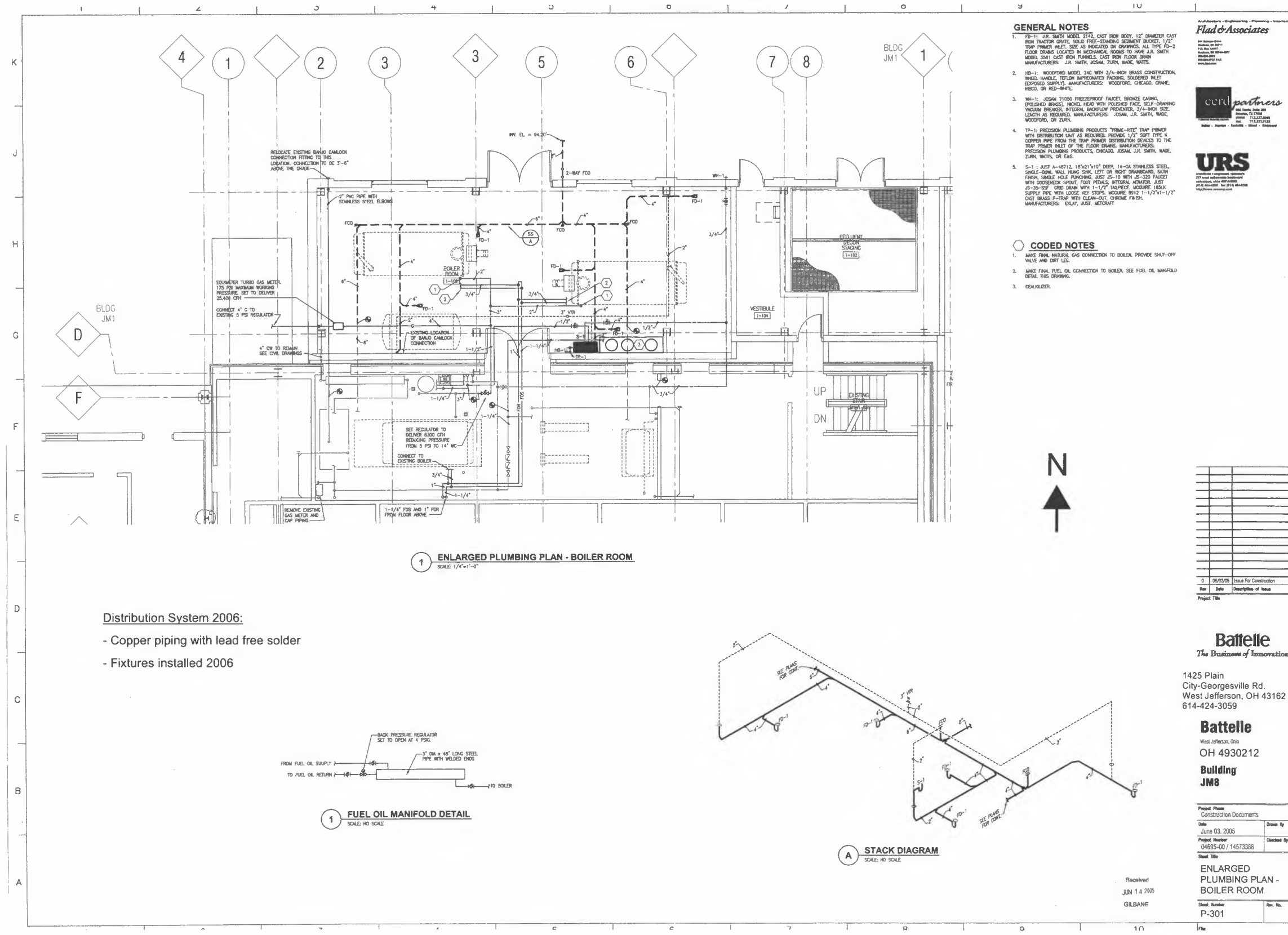
Sheet Title
First Floor Plumbing Plan

Sheet Number
P-201

Rev. No.
6

Distribution System 2006:
- Copper piping with lead free solder
- Fixtures installed 2006





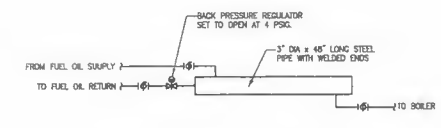
- GENERAL NOTES**
1. FB-1: J.R. SMITH MODEL 2143, CAST IRON BODY, 1/2" DIAMETER CAST IRON TRAP PRIMER, SOLID FREE-SWIMMING SEDIMENT BUCKET, 1/2" TRAP PRIMER INLET. SIZE AS INDICATED ON DRAWINGS. ALL TYPE FB-2 FLOOR DRAINS LOCATED IN MECHANICAL ROOMS TO HAVE J.R. SMITH MODEL 3581 CAST IRON FLOOR DRAINS. CAST IRON FLOOR DRAIN MANUFACTURERS: J.R. SMITH, JOHNS, ZURN, WADE, WATTS.
 2. HB-1: WOODFORD MODEL 24C WITH 3/4"-INCH BRASS CONSTRUCTION, WHEED HANDLE, TYPICAL IMPROVED PACHING, SOLIDIFIED INLET (EXPOSED SUPPLY). MANUFACTURERS: WOODFORD, CHICAGO, CRANE, HESCO, OR RED-WHITE.
 3. NH-1: JOHNS 71050 FREEZEPROOF FAUCET, BRASS CASING, POLISHED BRASS, MODEL, HEAD WITH POLISHED FACE, SELF-DRAINING VACUUM BREAKER, INTERNAL BACKFLOW PREVENTER, 3/4"-INCH SIZE, LENGTH AS REQUIRED. MANUFACTURERS: JOHNS, J.R. SMITH, WADE, WOODFORD, OR ZURN.
 4. TP-1: PRECISION PLUMBING PRODUCTS "TRAP-PRIME" TRAP PRIMER WITH DISTRIBUTION UNIT AS REQUIRED, PROVIDE 1/2" SOFT TYPE K-COPPER PIPE FROM THE TRAP PRIMER DISTRIBUTION DEVICES TO THE TRAP PRIMER INLET OF THE FLOOR DRAINS. MANUFACTURERS: PRECISION PLUMBING PRODUCTS, CHICAGO, JOHNS, J.R. SMITH, WADE, ZURN, WATTS, OR EAS.
 5. S-1: JUST A-48712, 18"x21"x10" DEEP, 14-GA STAINLESS STEEL, SHIELD-SONE WALL HUNG SINK, LEFT OR RIGHT DRAINAGE, SATIN FINISH, SINGLE HOLE PUNCHING, JUST AS-TO WITH AS-320 FAUCET WITH WOODBRICK SPARK, FOOT PEDAL, INTEGRAL AGATOR, JUST AS-30-SSP, GRID DRAIN WITH 1-1/2" TAILPIECE, MODURE 180LX, SUPPLY PIPE WITH LOOSE KEY STOPS, MODURE B112 1-1/2"x1-1/2" CAST BRASS P-TWAP WITH CLEAN-OUT, CHROME FINISH. MANUFACTURERS: DOLY, JUST, METACRAFT.

- CODED NOTES**
1. MAKE FINAL NATURAL GAS CONNECTION TO BOILER, PROVIDE SHUT-OFF VALVE AND DIRT LEG.
 2. MAKE FINAL FUEL OIL CONNECTION TO BOILER, SEE FUEL OIL MANIFOLD DETAIL THIS DRAWING.
 3. DEGAULZER.

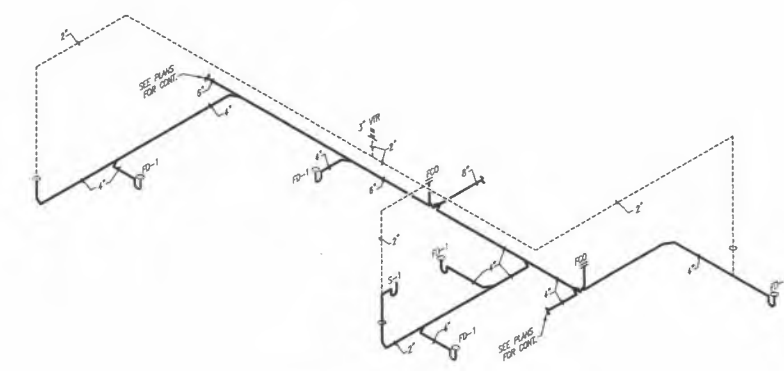
1 ENLARGED PLUMBING PLAN - BOILER ROOM
SCALE: 1/4"=1'-0"

Distribution System 2006:

- Copper piping with lead free solder
- Fixtures installed 2006



1 FUEL OIL MANIFOLD DETAIL
SCALE: NO SCALE



A STACK DIAGRAM
SCALE: NO SCALE

Revised
JUN 14 2005
GILBANE

Flad & Associates
Architects • Engineers • Planners • Interiors

URS
Engineering • Construction Management • Program Management • Construction Administration

Battelle
The Business of Innovation

1425 Plain
City-Georgesville Rd.
West Jefferson, OH 43162
614-424-3059

Battelle
West Jefferson, Ohio
OH 4930212

Building JMB

Project Phase	
Construction Documents	
Date:	June 03, 2005
Project Number:	04695-00 / 14573386
Sheet Title:	ENLARGED PLUMBING PLAN - BOILER ROOM
Sheet Number:	P-301
Rev. No.:	

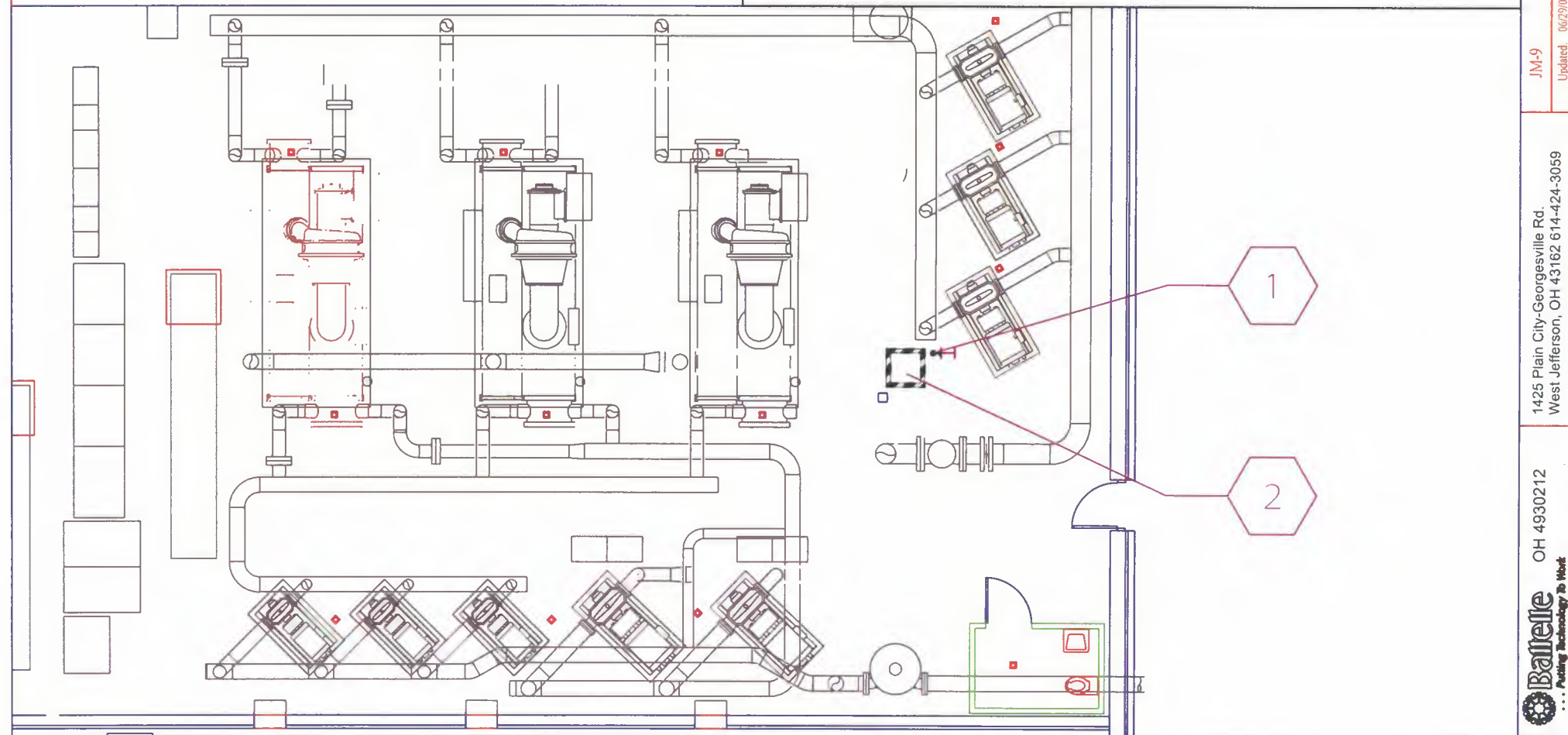
Distribution System 2005:

- Copper piping with lead free solder
- Fixtures installed 2005

○ CODED NOTES:

1. AXION 8905 & MIXING VALVE, MOUNTED ON I-BEAM
CENTRALLY LOCATED BETWEEN CHEMICAL
2. 30"x30" EMERGENCY WASH SITE

COLD WATER SUPPLY ACCESSIBLE IN ROOM, HOT WATER
OBTAINED FROM EITHER JM-1 OR JM-3



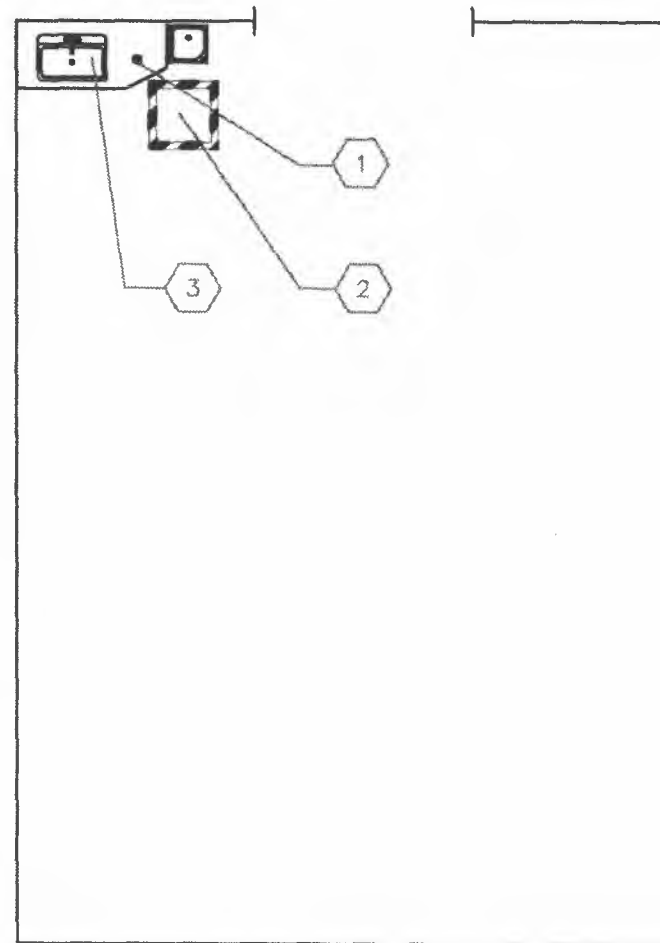
OH 4930212

1425 Plain City-Georgesville Rd.
West Jefferson, OH 43162 614-424-3059

JM-9
Updated: 06/29/09

Scale: 1" = ~18.5'





Building Distribution System 1954:

- Dates of fixtures (sink & drinking fountain) unknown
- Pipe installed 1954, copper
- Emergency wash site installed 2010, copper pipe with lead free solder

○ CODED NOTES:

1. AXION 8904, SURFACE MOUNTED ON COUNTER TOP BETWEEN SINK AND DRINKING FOUNTAIN
2. 30"x30" EMERGENCY WASH SITE
3. HOT & COLD WATER SUPPLY ACCESSIBLE AT SINK

