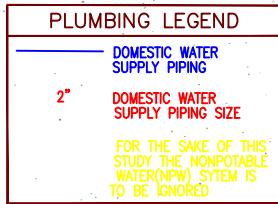


TPOLOGY 22

Commercial/Civic



PLAN SPECIAL NOTES

- SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
- DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
- PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
- PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
- INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
- SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.

PLAN KEYED NOTES

- 4" DRAIN PIPING (PARKING GARAGE DRAIN) FROM FD DOWN TO PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION)
- 4" DRAIN (PARKING GARAGE DRAIN) PIPING FROM SUMP AT PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION) UP TO CLEANOUT AT LEVEL 1 (SEE SHEET P103 FOR CONTINUATION). VERTICAL PIPING SHALL BE SECURELY MOUNTED TO CONCRETE WALL.
- 3"DRAIN PIPING DOWN TO PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION).
- PROVIDE AND INSTALL SUMP PUMP FOR ELEVATOR PIT, LITTLE GIANT MODEL W550HM-20 WITH FLOAT SWITCH (50GPM @ 40 FT HEAD, 1/2HP). COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE POWER TO THIS PUMP.
- ROUTE 2" ELEVATOR SUMP PUMP PIPING AS HIGH AS POSSIBLE THEN UP TO UPPER LEVEL (SEE SHEET P203 FOR CONTINUATION)
- 2" ELEVATOR SUMP PUMP PIPING FROM PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION) UP TO LEVEL 1 (SEE SHEET P203 FOR CONTINUATION)
- 2" WATERPROOF CONDUIT WITH WIRE TO WATER LEVEL SENSOR, SEE SHEET P203 FOR CONDUIT ROUTING PATH FROM BUILDING.
- 2" NW PIPING UP FROM PARKING LEVEL 1 (SEE SHEET 101 FOR CONTINUATION)
- RAINSET SYSTEM SHALL BE MOUNTED ON 3" CONCRETE PAD (CONCRETE PAD BY GENERAL CONTRACTOR - COORDINATE) IN PUMP ROOM. SEE DRAWINGS IN SHEET P-500 SERIES FOR MORE INFORMATION OF RAINSET SYSTEM.
- 2" CONDUIT, WITH 2 SETS OF 3-16GA COPPER WIRES, FROM JUNCTION BOX INSIDE RAIN WATER CISTERN TO RAINSET CONTROLLER. ONE SET OF WIRE IF FOR CONTROL AND ANOTHER SET OF WIRES SHALL BE CAPPED INSIDE JUNCTION BOX FOR FUTURE USE.
- 2" CONDUIT WITH WIRE UP TO LEVEL 1 (SEE SHEET P203 FOR CONTINUATION).
- 3/4" CW PIPING DOWN FROM LEVEL 1 (SEE SHEET P103 FOR CONTINUATION).
- EXPOSED CW PIPING IN UNCONDITION SPACE SHALL BE INSULATED WITH R-4 INSULATION PER UNIFORM PLUMBING CODE COA ORDINANCE SECTION 609.1.1.
- 3/4" CW PIPING DOWN TO PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION). VERTICAL PIPING SHALL BE SECURELY MOUNTED TO WALL. EXPOSED CW PIPING IN UNCONDITION SPACE SHALL BE INSULATED WITH R-4 INSULATION PER UNIFORM PLUMBING CODE COA ORDINANCE SECTION 609.1.1.
- HOSE BIBB SHALL BE FREEZE PROTECTED BY ADDING PIPE INSULATION WITH R-4 UP TO THE EDGE OF HOSE BIBB PER UNIFORM PLUMBING CODE COA ORDINANCE SECTION 609.1.1.
- 3/4" CW PIPING DOWN FROM LEVEL 1 (SEE SHEET P101 FOR CONTINUATION) TO PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION).
- 2" DISCHARGE PIPING FROM SIMPLEX LIFT STATION ON PARKING LEVEL 2 (SEE SHEET P101 FOR CONTINUATION). VERTICAL PIPING SHALL BE SECURELY SUPPORTED TO CONCRETE WALL.
- 2" DISCHARGE PIPING SHALL BE PENETRATED CONCRETE WALL BELOW PARKING PARKING GARAGE ROOF THE TO STORM DRAIN. COORDINATE WITH CIVIL ENGINEERING DRAWING FOR STORM DRAIN LOCATION AND CONNECTION DETAIL.
- EXPOSED IRRIGATION PIPING IN UNCONDITION SPACE SHALL BE INSULATED WITH R-4 INSULATION PER UNIFORM PLUMBING CODE COA ORDINANCE SECTION 609.1.1.
- 4" RECLAIMED WATER PIPING DOWN FROM UPPER LEVEL (SEE SHEET P103 FOR CONTINUATION).
- PROVIDE AND INSTALL 1-1/2" BALL VALVE IN IRRIGATION VALVE BOX. COORDINATE WITH LANDSCAPE ARCHITECTURAL DRAWING FOR EXACT VALVE BOX LOCATION.

SEE LEVEL 1 PLUMBING PLAN FOR WASTE WATER & GREASE WASTE PIPING INFORMATION. WW AND GW PIPING IN THIS DRAWING IS FOR REFERENCE ONLY

SEE LEVEL 1 PLUMBING PLAN FOR WASTE WATER & GREASE WASTE PIPING INFORMATION. WW AND GW PIPING IN THIS DRAWING IS FOR REFERENCE ONLY

SEE LEVEL 1 PLUMBING PLAN FOR WASTE WATER & GREASE WASTE PIPING INFORMATION. WW AND GW PIPING IN THIS DRAWING IS FOR REFERENCE ONLY

1 PARKING LEVEL 1 PLUMBING PLAN

SCALE: 1/16" = 1'-0"

Reclaimed Water

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.

REVIEWED: *[Signature]* DATE: 5-19-14

The drawings shall not be construed to be a permit for, or approval of, any violation of any of the provisions of the Austin Plumbing Code or any other applicable code.

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PROJECT CONSULTANT

2	04/17/2014	ADDENDUM #8
1	09/28/2014	ADDENDUM #2
NO.	DATE	DESCRIPTION
REVISIONS		

KEY PLAN

CITY OF AUSTIN

OWNER

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT

PARKING LEVEL 1 PLUMBING PLAN

DRAWING TITLE

[Signature]
DAVID B. MITCHELL
87000
LICENSED PROFESSIONAL ENGINEER

SCALE: SEE PLAN

DATE: 08/16/2013

JOB NUMBER: 3860

DRAWN: S.T.N. CHECKED: D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P102

DRAWING NUMBER

PLAN KEYED NOTES

- 3" MEDIUM-PRESSURE GAS (MG) DOWN FROM MAIN GAS METER AT LEVEL 2 (SEE SHEET P104 FOR CONTINUATION).
- 2" LOW-PRESSURE GAS (LG) PIPING DOWN FROM MAIN GAS METER AT LEVEL 2 (SEE SHEET P104 FOR CONTINUATION).
- MAIN UNDERGROUND PVC DOMESTIC CW PIPING FROM UTILITY METER TO BUILDING. SEE CIVIL ENGINEERING UTILITY DRAWINGS FOR CONTINUATION AND LOCATION OF METER.
- TRANSITION PVC TO COPPER FITTING. COORDINATE WITH ARCHITECT FOR WALL PENETRATION.
- LOCATION OF MAIN SHUT-OFF VALVE AND PRESSURE REDUCING VALVE (TO REDUCE WATER PRESSURE TO 65 PSI MAXIMUM) IN MECHANICAL ROOM 125.
- LOCATION OF SHUT-OFF VALVE AND RPZ (REDUCED PRESSURE ZONE) BACKFLOW PREVENTER, WATTS MODEL 0907, OR A WILKINS MODEL 975XL, WITH DRAIN PIPING FROM BACKFLOW PREVENTER TO 6" ABOVE RIM OF MOP SINK. THIS BACKFLOW PREVENTER ASSEMBLY IS FOR BRANCH CW PIPING TO HOSE BIBS PER COA ORDINANCE.
- WATER HEATER WITH HOT WATER RECIRCULATION SYSTEM (BELL & GOSSETT MODEL NRF-36, 10GPM @ 20FT HEAD, 0.17HP, 120V/1Ø) SHALL BE SECURELY MOUNTED ON 4" CONCRETE HOUSE KEEPING PAD (PAD SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR). ROUTE 3/4" T & P PIPING FROM WATER HEATER TO HUB DRAIN. T & P PIPING SHALL BE SURFACE SUPPORTED ON WALL.
- PROVIDE AND INSTALL TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL DRAINS.
- 3/4"HWR, 1-1/2"HW, 1-1/2"CW AND 3"HW UP TO UPPER LEVELS (SEE SHEET P104.1 FOR CONTINUATION).
- SHUT-OFF VALVE ABOVE CEILING COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
- SHUT-OFF VALVE ON WATER SUPPLY PIPE.
- RECESSED CLOTHES WASHER BOX, WATER-TITE W4700 OR APPROVED EQUIVALENT.
- HUD DRAIN FOR CONDENSATE DRAIN. THIS HUD DRAIN DOESN'T HAVE TRAP AND IS CONNECTED TO RAIN CISTERN. TRAP PRIMER IS NOT REQUIRED.
- 1" IRRIGATION WATER (IW) FROM RAINSET UP INSIDE WALL TO ROOF GARDEN AT LEVEL 6 (SEE SHEET P108 & P108.1 FOR CONTINUATION).

PLAN SPECIAL NOTES

- SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES.
- DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
- PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
- PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
- INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 22062. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
- SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION/OF VERTICAL PLUMBING PIPING.

PLUMBING LEGEND	
DOMESTIC WATER SUPPLY PIPING	
2" DOMESTIC WATER SUPPLY PIPING SIZE	
FOR THE SAKE OF THIS CITY, ALL WORKMAN WATERWORKS SYSTEM IS TO BE CHECKED	

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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
2	11/15/2013	ADDENDUM #6
1	09/26/2013	ADDENDUM #2
REVISIONS		

KEY PLAN
CITY OF AUSTIN
OWNER
NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX
PROJECT
LEVEL 1
WATER & GAS
ENLARGEMENT PLAN
DRAWING TITLE

SCALE	SEE PLAN	DATE	08/16/2013
JOB NUMBER	3860		
DRAWN	S.T.N	CHECKED	D.B.M.
PACKAGE 2 CONSTRUCTION DOCUMENTS			

P103.1

DRAWING NUMBER

THE ORIGINAL OF THIS DRAWING IS 30" X 42". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.

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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
2	11/15/2013	ADDENDUM #6
1	09/26/2013	ADDENDUM #2
REVISIONS		

KEY PLAN
CITY OF AUSTIN
OWNER
NEW CENTRAL LIBRARY
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WATER & GAS
ENLARGEMENT PLAN
DRAWING TITLE

SCALE	SEE PLAN	DATE	08/16/2013
JOB NUMBER	3860		
DRAWN	S.T.N	CHECKED	D.B.M.
PACKAGE 2 CONSTRUCTION DOCUMENTS			

P103.1

DRAWING NUMBER

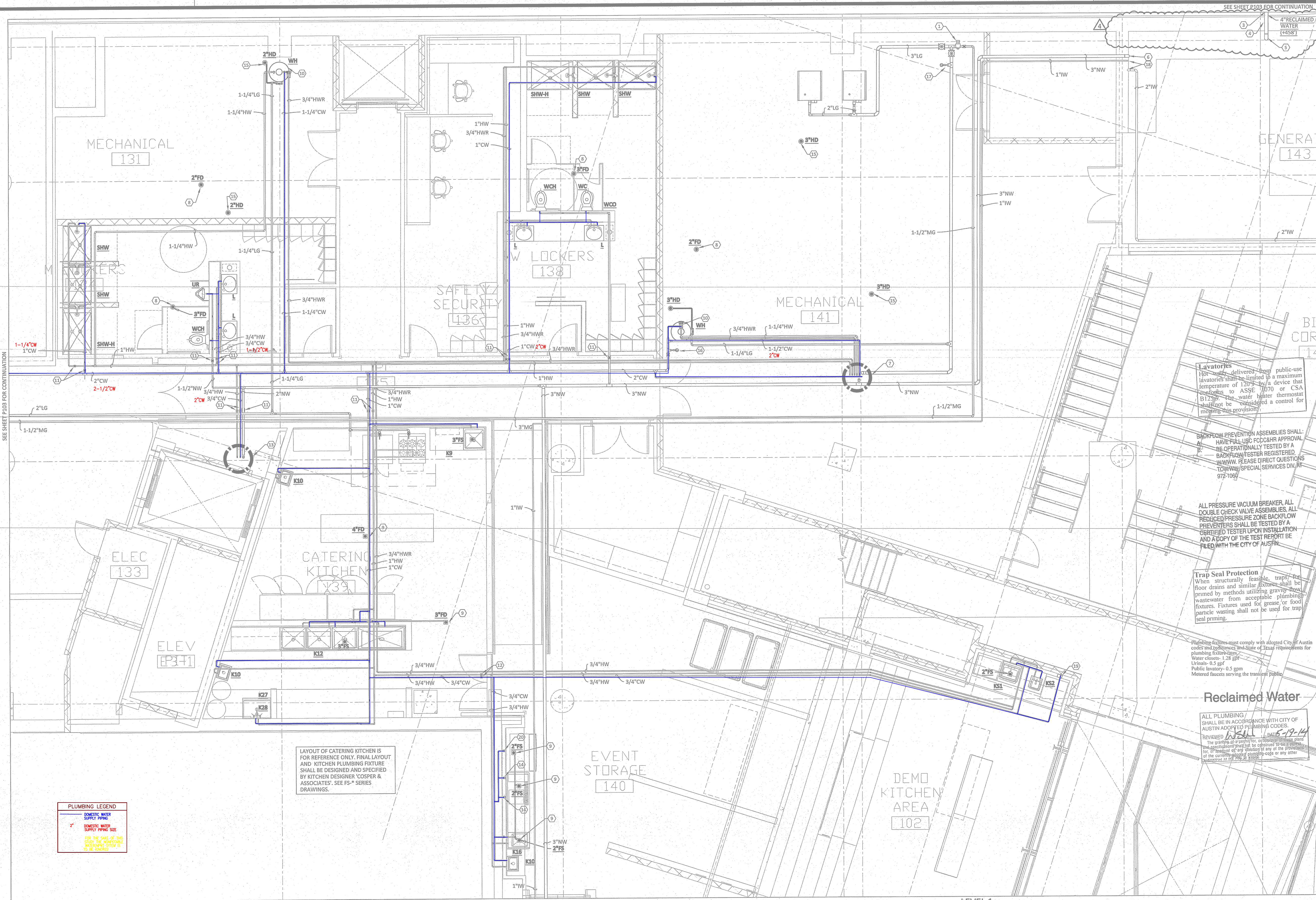
THE ORIGINAL OF THIS DRAWING IS 30" X 42". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.

PLAN KEYED NOTES

1. GAS REGULATOR FOR BOILERS & CAFE (MAXITROL MODEL 210 SERIES OR APPROVED EQUIVALENT). ROUTE VENT PIPING FROM REGULATOR TO OUTSIDE AS SHOWN ON SHEETS P203 & P203.2. COORDINATE WITH MECHANICAL CONTRACTOR FOR BOILERS LOCATION AND EXACT REQUIREMENTS.
2. NOT USED
3. UNDERGROUND 4" RECLAIMED WATER PVC PIPING, IN ENCASED CONCRETE CHASE, FROM RECLAIMED WATER METER. SEE CIVIL ENGINEERING UTILITY DRAWINGS FOR CONTINUATION AND LOCATION OF METER.
4. TRANSITION PVC TO CAST IRON FITTING. COORDINATE WITH ARCHITECT FOR WALL PENETRATION.
5. 4" RECLAIMED WATER, FOR MAKE-UP WATER TO RAIN WATER COLLECTION SYSTEM, DOWN TO RAINSET AT PARKING LEVEL 1, SEE SHEET P102 FOR CONTINUATION.
6. 3" NW FROM RAINSET AT PARKING LEVEL 1, SEE SHEET P102 FOR CONTINUATION.
7. 2" CW, 3/4" CW, 2" HW, 1" HW, 1-1/4" HW, 2 - 3/4" HWR AND 3" LG UP TO UPPER LEVEL (SEE SHEET P104.1 FOR CONTINUATION)
8. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS
9. PROVIDE AND INSTALL TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL.
10. WATER HEATER WITH HOT WATER RECIRCULATION SYSTEM (BELL & GOSSETT MODEL NWF-36, 10GPM @ 20FT HEAD, 0.17HP, 120V/1Ø) SHALL BE SECURELY MOUNTED ON 4" CONCRETE HOUSE KEEPING PAD (PAD SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR). ROUTE 3/4" T & P PIPING FROM WATER HEATER TO HUB DRAIN. T & P PIPING SHALL BE SURFACE SUPPORTED ON WALL.
11. SHUT-OFF VALVE ON WATER SUPPLY PIPE IN OPEN CEILING AREA
12. SHUT-OFF VALVE ABOVE ACCESSIBLE CEILING.
13. 3/4" CW, 2" HW & 3/4" HW UP TO UPPER LEVEL (SEE SHEET P104.1 FOR CONTINUATION)
14. PROVIDE AND INSTALL 3/8" WATER TAP WITH 3/8" DCVA (DOUBLE CHECK VALVE PREVENTION ASSEMBLY) AND SHUT-OFF VALVE ON WALL FOR WATER SUPPLY TO COFFEE MAKER OR TEA MACHINE. ROUTE DRAIN INSIDE WALL TO 1" ABOVE RIM OF FLOOR SINK.
15. HUB DRAIN FOR CONDENSATE DRAIN. THIS HUB DRAIN DOESN'T HAVE TRAP AND IS CONNECTED TO RAIN CISTERN. TRAP PRIMER IS NOT REQUIRED.
16. 2" COLD WATER SHUT-OFF VALVE AND SUB-METER FOR CAFE. SUB-METER (MASTER METER, MODEL INTERMEDIATE MULTI JET METER OR APPROVED EQUIVALENT) SHALL BE TIED INTO E-MON/D-MON OF B.A.S. SYSTEM. COORDINATE WITH MECHANICAL CONTROL CONTRACTOR FOR EXACT REQUIREMENTS AND COMPATIBLE METER TYPE.
17. 3" GAS SHUT-OFF VALVE AND SUB-METER FOR CAFE. SUB-METER (ITRON, MODEL DATTUS III OR APPROVED EQUIVALENT) SHALL BE TIED INTO E-MON/D-MON OF B.A.S. SYSTEM. COORDINATE WITH MECHANICAL CONTROL CONTRACTOR FOR EXACT REQUIREMENTS AND COMPATIBLE METER TYPE.
18. IRRIGATION PIPING FROM RAINSET AT PARKING LEVEL 1, SEE SHEET P102 FOR CONTINUATION.
19. ICE MAKER VALVE BOX ON WALL FOR REFRIGERATOR, WATER-TITLE W9700 OR APPROVED EQUIVALENT.
20. PROVIDE AND INSTALL 3/8" WATER TAP WITH 3/8" RPZA (REDUCED PRESSURE ZONE ASSEMBLY) AND SHUT-OFF VALVE ON WALL FOR WATER SUPPLY TO ICE MAKER. ROUTE DRAIN INSIDE WALL TO 1" ABOVE RIM OF FLOOR SINK.

PLAN SPECIAL NOTES

1. SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
2. DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
3. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
4. PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
5. INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
6. SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.



SEE SHEET P103 FOR CONTINUATION

SEE SHEET P103 FOR CONTINUATION

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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
4	04/17/2014	ADDENDUM #8
3	12/20/2013	ADDENDUM #7
2	11/15/2013	ADDENDUM #6
1	09/26/2013	ADDENDUM #2

KEY PLAN

CITY OF AUSTIN

OWNER

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT

**LEVEL 1
WATER & GAS
ENLARGEMENT PLAN**

DRAWING TITLE

DAVID B. MITCHELL
87000
REGISTERED PROFESSIONAL ENGINEER

SCALE SEE PLAN DATE 08/16/2013

JOB NUMBER 3860

DRAWN S.T.N. CHECKED D.B.M.

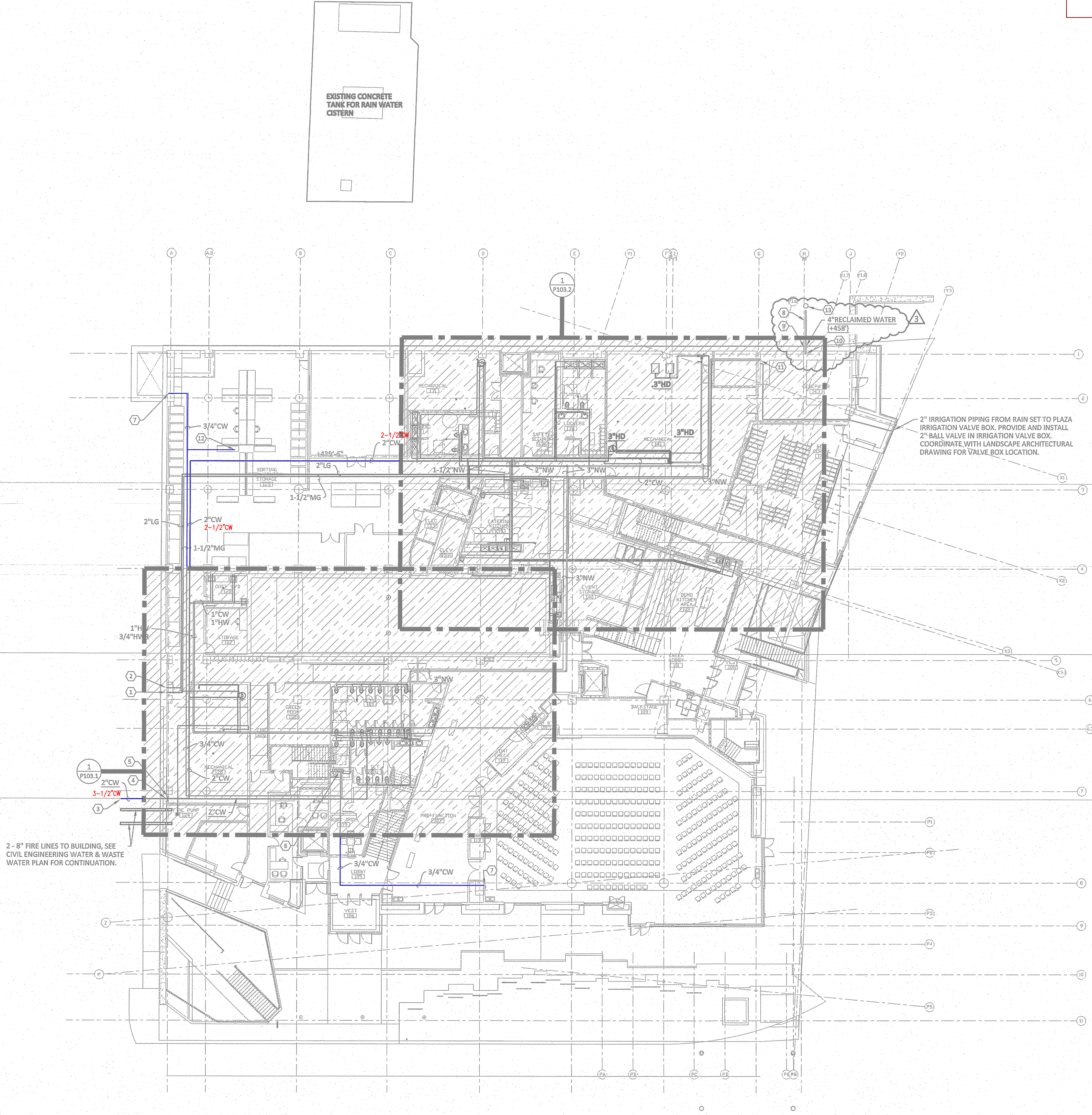
PACKAGE 2 CONSTRUCTION DOCUMENTS

P103.2

DRAWING NUMBER

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PLUMBING LEGEND	
—	DOMESTIC WATER SUPPLY PIPING
—	DOMESTIC WATER SUPPLY PIPING SIZE
FOR THE SIZE OF THE PIPING, THE APPROPRIATE SCHEDULE SHALL BE USED.	



PLAN SPECIAL NOTES

- SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
- DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
- PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
- PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
- INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
- SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.

PLAN KEYED NOTES

- 1-1/2" MEDIUM-PRESSURE GAS (MG) DOWN FROM MAIN GAS METER AT LEVEL 2 (SEE SHEET P104 FOR CONTINUATION).
- 2" LOW-PRESSURE GAS (LG) PIPING DOWN FROM MAIN GAS METER AT LEVEL 2 (SEE SHEET P104 FOR CONTINUATION).
- MAIN UNDERGROUND PVC DOMESTIC CW PIPING FROM UTILITY METER TO BUILDING. SEE CIVIL ENGINEERING UTILITY DRAWINGS FOR CONTINUATION AND LOCATION OF METER.
- TRANSITION PVC TO COPPER FITTING. COORDINATE WITH ARCHITECT FOR WALL PENETRATION.
- LOCATION OF MAIN SHUT-OFF VALVE AND PRESSURE REDUCING VALVE (TO REDUCE WATER PRESSURE TO 65 PSI MAXIMUM) IN MECHANICAL ROOM 125.
- LOCATION OF SHUT-OFF VALVE AND RPZ (REDUCED PRESSURE ZONE) BACKFLOW PREVENTER, WATTS MODEL 090CT, OR A WILKINS MODEL 975XL WITH DRAIN PIPING FROM BACKFLOW PREVENTER TO 6" ABOVE RIM OF MOP SINK.
- 3/4" CW PIPING DOWN INSIDE WALL TO HOSEBIB AT PARKING LEVEL 1 & 2, SEE SHEET P102 FOR CONTINUATION.
- UNDERGROUND 4" RECLAIMED WATER PVC PIPING, IN ENCASED CONCRETE CHASE, FROM RECLAIMED WATER METER. SEE CIVIL ENGINEERING UTILITY DRAWINGS FOR CONTINUATION AND LOCATION OF METER.
- TRANSITION PVC TO CAST IRON FITTING. COORDINATE WITH ARCHITECT FOR WALL PENETRATION.
- 4" RECLAIMED WATER, FOR MAKE-UP WATER TO RAIN WATER COLLECTION SYSTEM, DOWN INSIDE CHASE TO RAINSET AT PARKING LEVEL 1 (SEE SHEET P102 FOR CONTINUATION). SEE ARCHITECTURAL DRAWING FOR CHASE LOCATION.
- 3" NW FROM RAINSET AT PARKING LEVEL 1, SEE SHEET P102 FOR CONTINUATION.
- 3/4" CW PIPING UP TO HOSE BIBB AT LEVEL 2 (SEE SHEET P104 FOR CONTINUATION).
- PROVIDE AND INSTALL DIGITAL REMOTE READER IN VALVE BOX FOR METER OF NON-POTABLE WATER METER TO WATER CLOSET AND URINAL IN RAINSET ROO. SEE SHEET P502 FOR MORE INFORMATION. SEE CIVIL ENGINEERING DRAWING FOR VALVE LOCATION AND DETAIL.

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN APPROVED PLUMBING CODES. REVIEWED *[Signature]* DATE *5-19-14*
The granting of a permit for, or approval of these plans and specifications shall not be construed to be a permit for, or approval of, any violation of any of the provisions of the currently adopted plumbing code or any other ordinances or rules that may apply.

LEVEL 1
WATER & GAS PLAN
SCALE: 1/16" = 1'-0"



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PROJECT CONSULTANT

3	04/17/2014	ADDENDUM #6
2	11/15/2013	ADDENDUM #5
1	08/26/2013	ADDENDUM #2
NO.	DATE	DESCRIPTION
REVISIONS		

KEY PLAN

CITY OF AUSTIN

OWNER

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT

LEVEL 1
WATER & GAS PLAN

DRAWING TITLE

DAVID B. MITCHELL
87000
AUSTIN, TEXAS

SCALE

SEE PLAN

DATE

08/16/2013

ACR NUMBER

3860

DRAWN

S.T.N

CHECKED

D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P103

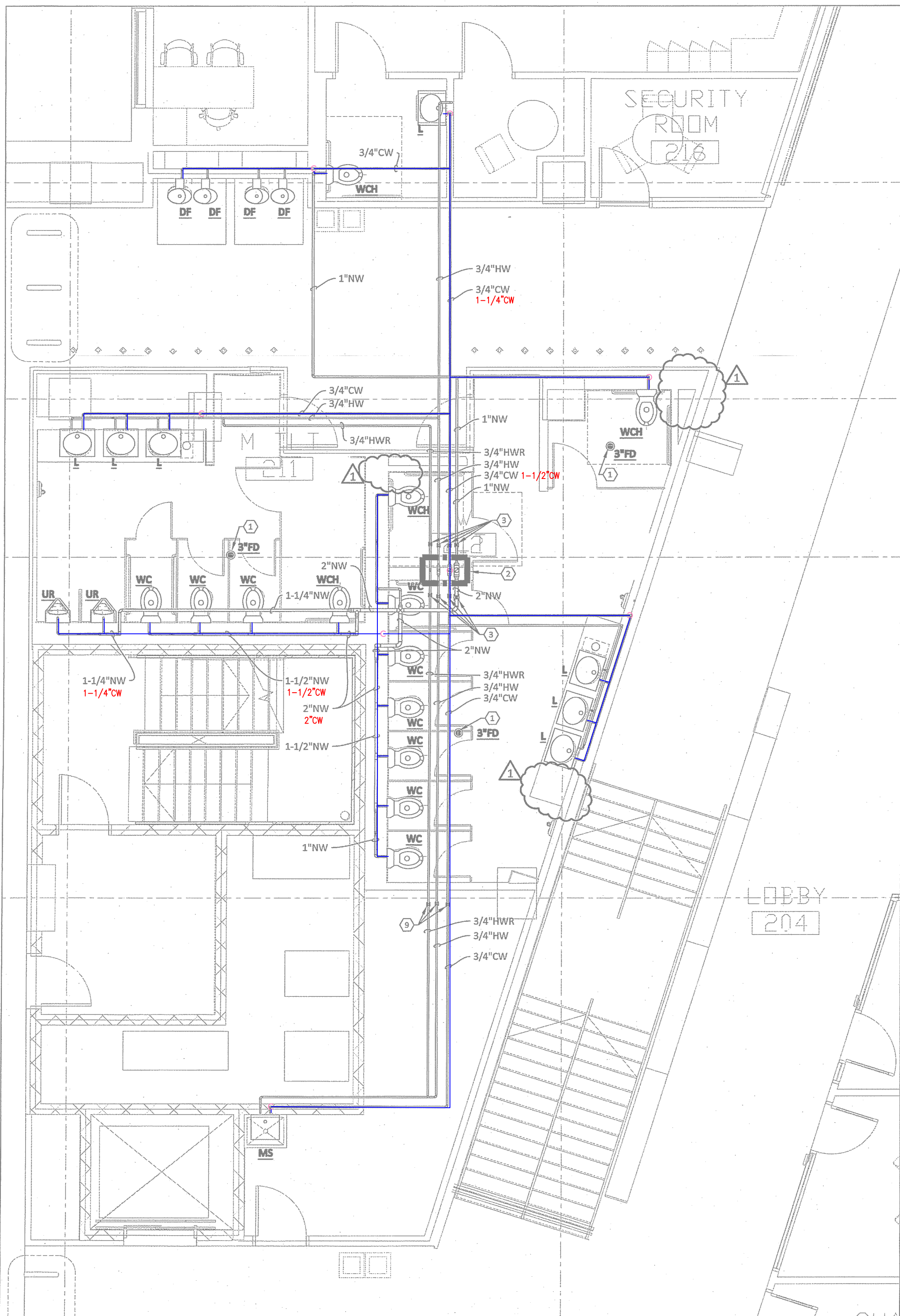
DRAWING NUMBER

PLAN KEYED NOTES

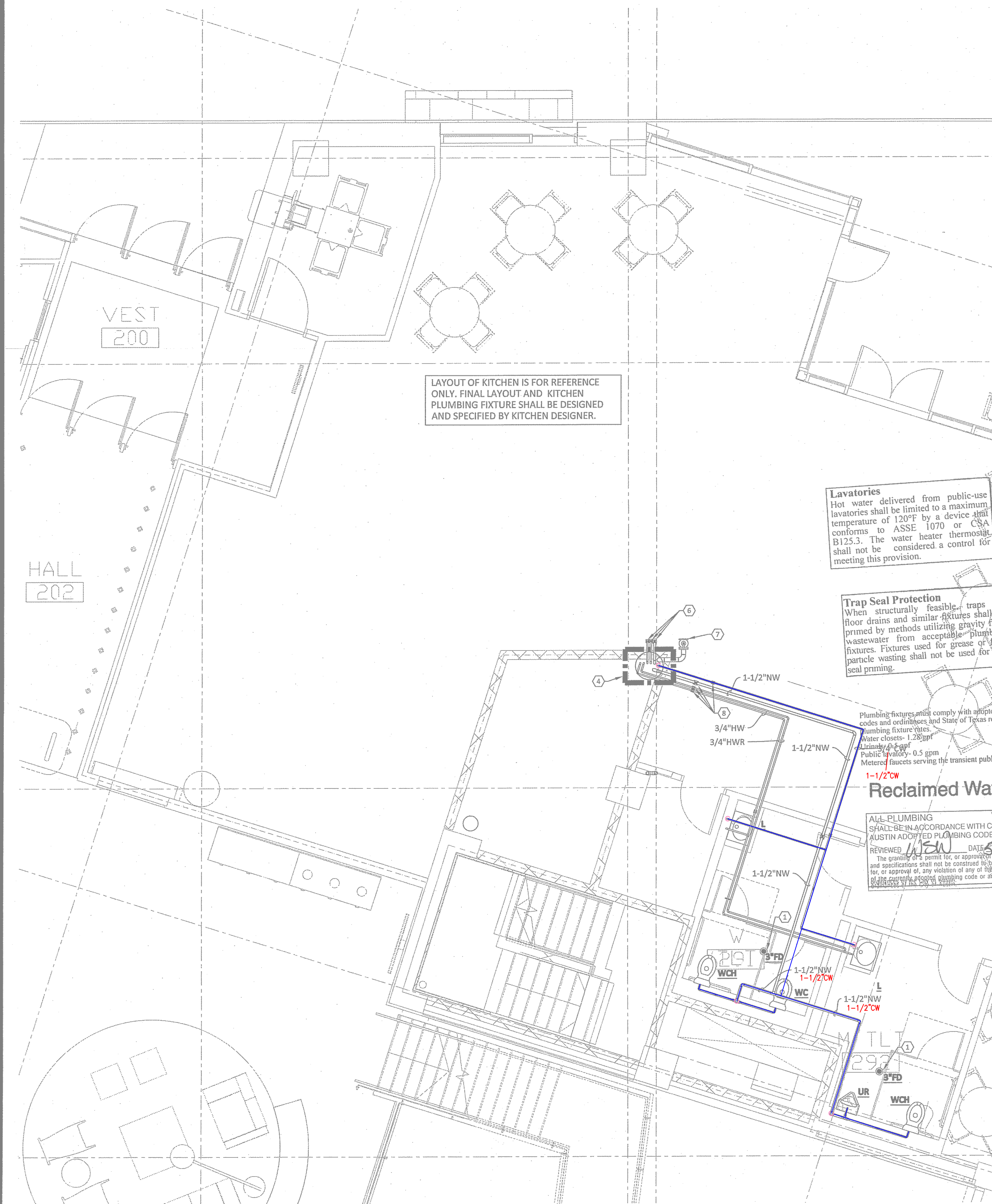
1. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS
2. 3/4"HWR, 1-1/2"HW, 1-1/2"CW AND 3"NW FROM LOWER LEVEL UP TO UPPER LEVELS (SEE SHEET P103.1 AND P105.1 FOR CONTINUATION)
3. SHUT-OFF VALVE ABOVE CEILING COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
4. 2"CW, 2"NW, 2-1"HW, 2-3/4"HWR, 3/4"CW AND 3"GAS FROM LOWER LEVEL (SEE SHEET P103.2 FOR CONTINUATION)
5. 1-1/2"CW STUB-OUT AS HIGH AS POSSIBLE WITH SHUT-OFF VALVE & SUB-METER FOR CAFE KITCHEN. NOTE THAT SHUT-OFF VALVE MUST ABOVE FUTURE ACCESSIBLE CEILING OR ACCESS HATCH.
6. 1"HWR, 3/4"HWR, 1-1/2"CW STUB-OUT WITH SHUT-OFF VALVE AND CAP FOR CAFE KITCHEN.
7. 3"GAS STUB-OUT WITH SHUT-OFF VALVE AND CAP FOR CAFE KITCHEN.
8. SHUT-OFF VALVE ABOVE CEILING. COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
9. SHUT-OFF VALVE AS HIGH AS POSSIBLE IN OPEN CEILING AREA.

PLAN SPECIAL NOTES

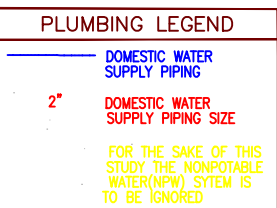
1. SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
2. DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
3. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
4. PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
5. INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
6. SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.



1 LEVEL 2
WATER & GAS ENLARGEMENT PLAN
SCALE: 3/8\"=1'-0\"



2 LEVEL 2
WATER & GAS ENLARGEMENT PLAN
SCALE: 3/8\"=1'-0\"



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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
1	09/26/2013	ADDENDUM #2

CITY OF AUSTIN

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

LEVEL 2
WATER & GAS
ENLARGEMENT PLANS



SCALE	SEE PLAN	DATE	08/16/2013
JOB NUMBER	3860		
DRAWN	S.T.N.	CHECKED	D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P104.1

DRIVING NUMBER

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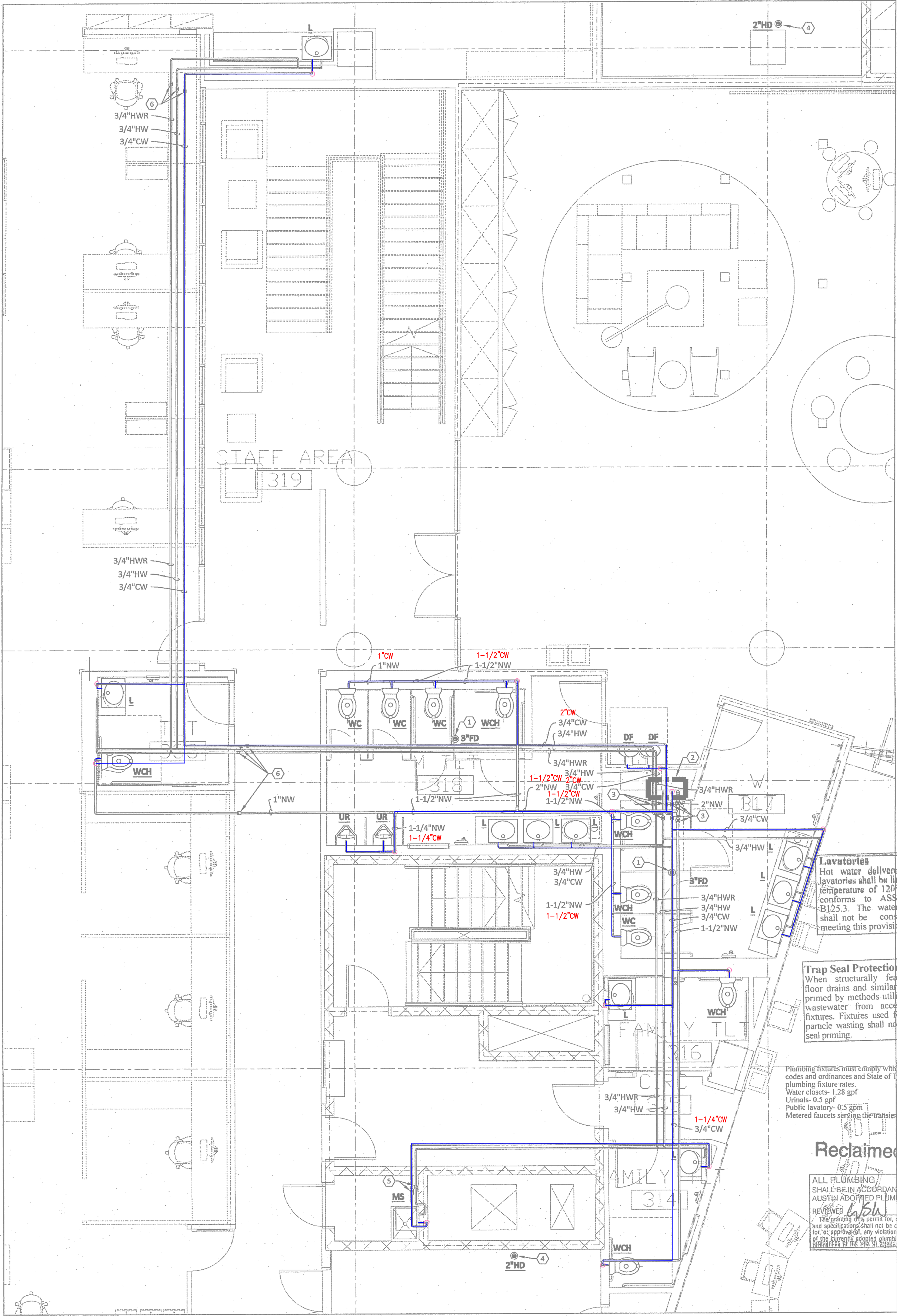
PLAN KEYED NOTES

1. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS.
2. 3/4"HWR, 1-1/2"HW, 1-1/2"CW AND 3/4"NW FROM LOWER LEVEL AND UP TO UPPER LEVELS (SEE SHEET P104.1 AND P105.1 FOR CONTINUATION)
3. SHUT-OFF VALVE ABOVE CEILING COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
4. HUB DRAIN FOR CONDENSATE DRAIN. THIS HUB DRAIN DOESN'T HAVE TRAP AND IS CONNECTED TO RAIN CISTERN. TRAP PRIMER IS NOT REQUIRED.
5. SHUT-OFF VALVE AS HIGH AS POSSIBLE IN OPEN CEILING AREA.
6. SHUT-OFF VALVE ABOVE LAY-IN CEILING.

PLAN SPECIAL NOTES

1. SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
2. DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
3. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
4. PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
5. INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
6. SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION/OF VERTICAL PLUMBING PIPING.

PLUMBING LEGEND	
	DOMESTIC WATER SUPPLY PIPING
	DOMESTIC WATER SUPPLY PIPING SIZE
FOR THE SAKE OF THIS CITY, THE HORIZONTAL WATERWORKS SYSTEM IS TO BE SHOWN.	



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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
REVISIONS		

KEY PLAN

CITY OF AUSTIN

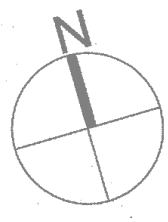
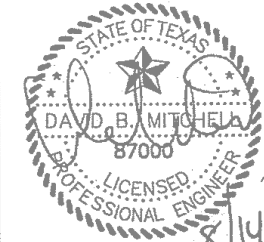
OWNER

NEW CENTRAL LIBRARY
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AUSTIN, TX

PROJECT

LEVEL 3
WATER ENLARGEMENT
PLAN

DRAWING TITLE



SEE PLAN

DATE 08/16/2013

JOB NUMBER 3860

DRAWN S.T.N. CHECKED D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P105.1

DRAWING NUMBER

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PLAN KEYED NOTES

1. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS.
2. 3/4" HWR, 1-1/2" HW, 1-1/2" CW AND 3" NW FROM LOWER LEVEL AND UP TO UPPER LEVELS (SEE SHEET P105.1 AND P107.1 FOR CONTINUATION)
3. SHUT-OFF VALVE ABOVE CEILING COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
4. HUB DRAIN FOR CONDENSATE DRAIN. THIS HUB DRAIN DOESN'T HAVE TRAP AND IS CONNECTED TO RAIN CISTERN. TRAP PRIMER IS NOT REQUIRED.
5. 2" NW, 3/4" CW & 3/4" HW FROM LOWER LEVEL (SEE SHEET P105 FOR CONTINUATION)
6. SHUT-OFF VALVE ABOVE LAY-IN CEILING.
7. ICE MAKER VALVE BOX ON WALL FOR REFRIGERATOR, WATER-TITLE W9700 OR APPROVED EQUIVALENT.
8. ICE MAKER VALVE BOX FOR ICE MAKER, WATER-TITLE W9700 OR APPROVED EQUIVALENT.
9. SHUT-OFF VALVE AS HIGH AS POSSIBLE IN OPEN CEILING AREA.

PLAN SPECIAL NOTES

1. SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
2. DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
3. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
4. PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
5. INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
6. SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.

PLUMBING LEGEND	
	DOMESTIC WATER SUPPLY PIPING
	DOMESTIC WATER SUPPLY PIPING SIZE
	FOR THE SAKE OF THIS PROJECT, THE NON-POTABLE WATER SUPPLY SYSTEM IS TO BE ORANGE.

ALL PRESSURE VACUUM BREAKER, ALL DOUBLE CHECK VALVE ASSEMBLIES, ALL REDUCED PRESSURE ZONE BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER UPON INSTALLATION AND A COPY OF THE TEST REPORT BE FILED WITH THE CITY OF AUSTIN.

- BACKFLOW PREVENTION ASSEMBLIES SHALL:
- A. HAVE FULL USC FCCO&HR APPROVAL
 - B. BE OPERATIONALLY TESTED BY A BACKFLOW TESTER REGISTERED WITH THE CITY OF AUSTIN. PLEASE DIRECT QUESTIONS TO TOWNW: SPECIAL SERVICES DIV. AT 972-1060

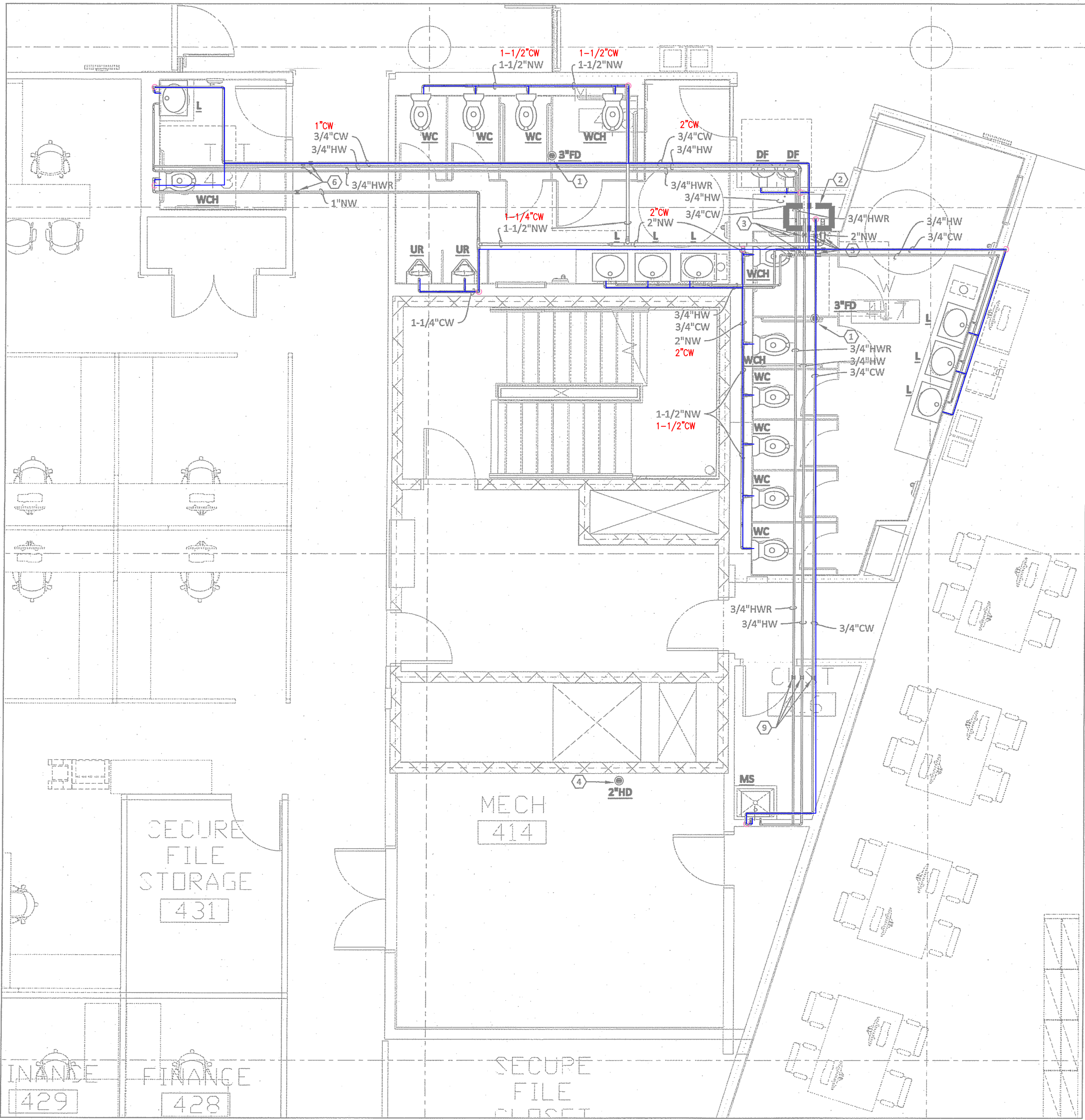
Lavatories
Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 120°F by a device that conforms to ASSE 1070 or CSA B125.3. The water heater thermostat shall not be considered a control for meeting this provision.

Trap Seal Protection
When structurally feasible, traps for floor drains and similar fixtures shall be primed by methods utilizing gravity flow wastewater from acceptable plumbing fixtures. Fixtures used for grease or food particle wasting shall not be used for trap seal priming.

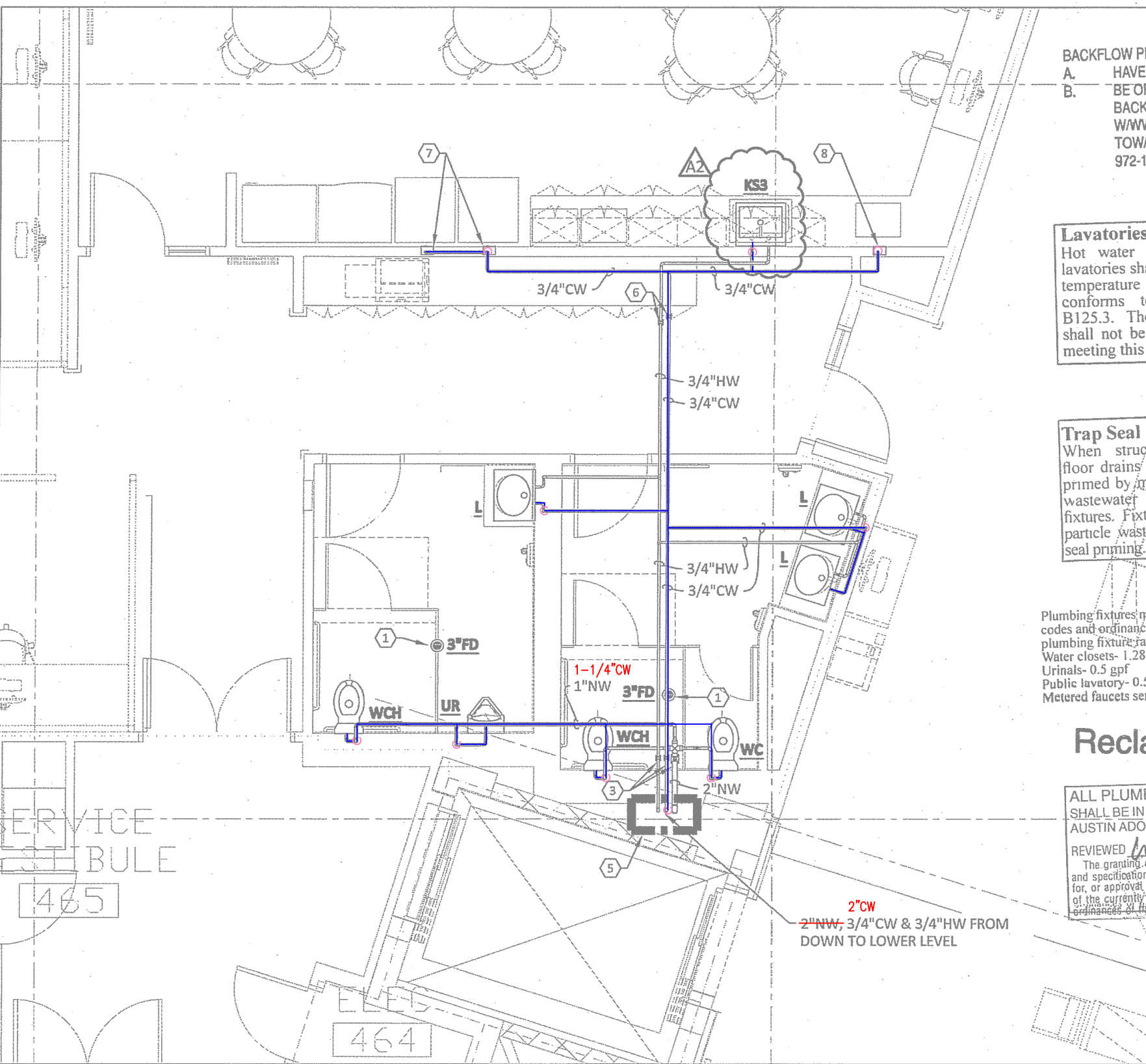
Plumbing fixtures must comply with adopted City of Austin codes and ordinances and State of Texas requirements for plumbing fixture use.
Water closets- 1.28 gpf
Urinals- 0.5 gpf
Public lavatory- 0.5 gpm
Metered faucets serving the transient public

Reclaimed Water

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.
REVIEWED: *WBSW* DATE: *8-19-14*
The granting of a permit for, or approval of these plans and specifications shall not be construed to be a permit, fee, or approval of, any violation of any of the provisions of the applicable building codes or any other applicable code or regulation at the time of project completion.



LEVEL 4
WATER ENLARGEMENT PLAN
SCALE: 1/4" = 1'-0"



LEVEL 4
WATER ENLARGEMENT PLAN
SCALE: 1/4" = 1'-0"

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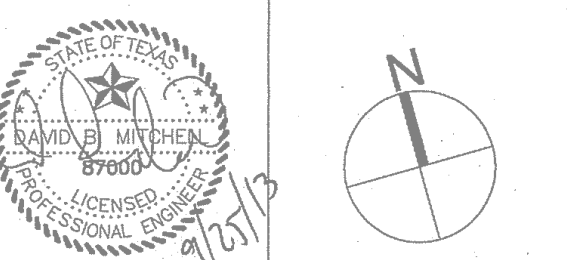
PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
1	09/26/2013	ADDENDUM #2
REVISIONS		

KEY PLAN
CITY OF AUSTIN

OWNER
NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT
**LEVEL 4
WATER ENLARGEMENT
PLANS**



SCALE	SEE PLAN	DATE	08/16/2013
JOB NUMBER	3860		
DRAWN	S.T.N.	CHECKED	D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P106.1

DRAWING NUMBER

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PLAN KEYED NOTES

1. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS.
2. 3/4"HWR, 1-1/2"HV, 1-1/2"CW AND 3"NW FROM LOWER LEVEL AND UP TO UPPER LEVELS (SEE SHEET P106.1 AND P108.1 FOR CONTINUATION)
3. SHUT-OFF VALVE ABOVE CEILING COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
4. HUB DRAIN FOR CONDENSATE DRAIN. THIS HUB DRAIN DOESN'T HAVE TRAP AND IS CONNECTED TO RAIN CISTERN. TRAP PRIMER IS NOT REQUIRED.
5. SHUT-OFF VALVE AS HIGH AS POSSIBLE IN OPEN CEILING AREA.

PLAN SPECIAL NOTES

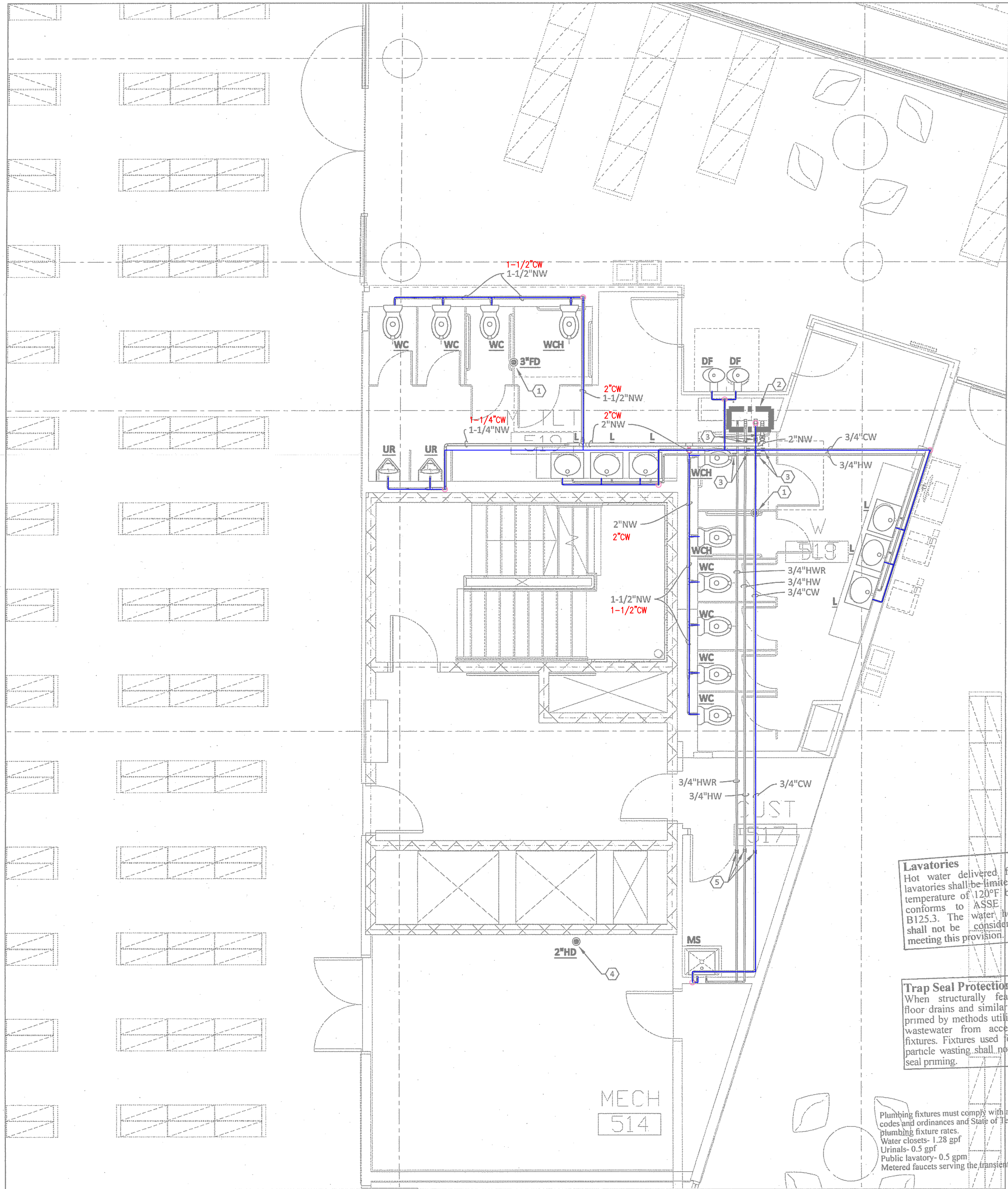
1. SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
2. DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
3. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
4. PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
5. INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220082. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
6. SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.

PLUMBING LEGEND

DOMESTIC WATER SUPPLY PIPING

2" DOMESTIC WATER SUPPLY PIPING SIZE

FOR THE SAKE OF THIS STUDY, THE VARIOUS WATERWORKS SYSTEMS TO BE LOCATED



Lavatories
Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 120°F by a device that conforms to ASSE 1070 or CSA B125.3. The water heater thermostat shall not be considered a control for meeting this provision.

Trap Seal Protection
When structurally feasible, traps for floor drains and similar fixtures shall be primed by methods utilizing gravity flow wastewater from acceptable plumbing fixtures. Fixtures used for grease or food particle wasting shall not be used for trap seal priming.

Plumbing fixtures must comply with adopted City of Austin codes and ordinances and State of Texas requirements for plumbing fixture rates.
Water closets- 1.28 gpf
Urinals- 0.5 gpf
Public lavatory- 0.5 gpm
Metered faucets serving the transient public

Reclaimed Water

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.
REVIEWED BY *[Signature]* DATE *8-19-14*
The granting of a permit for, or approval of these plans and specifications shall not be construed to be a permit for, or approval of, any violation of any of the provisions of the currently adopted plumbing code or any other ordinance of the City of Austin.

LEVEL 5
WATER ENLARGEMENT PLAN
SCALE: 1/4" = 1'-0"



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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
		REVISIONS

KEY PLAN	CITY OF AUSTIN
OWNER	
PROJECT	NEW CENTRAL LIBRARY CIP ID#7235.001 710 W CESAR CHAVEZ STREET AUSTIN, TX
DRAWING TITLE	LEVEL 5 WATER ENLARGEMENT PLAN
SCALE	SEE PLAN
DATE	08/16/2013
JOB NUMBER	3860
DRAWN	S.T.N.
CHECKED	D.B.M.
PACKAGE 2 CONSTRUCTION DOCUMENTS	
DRAWING NUMBER	P107.1

1. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS.
2. 3/4"HWIR, 1/2" CWI AND 2"NW FROM LOWER LEVEL (SEE SHEET P107.3 FOR CONTINUATION)
3. SHUT-OFF VALVE ABOVE CEILING COORDINATE WITH ARCHITECTURAL DRAWING FOR ACCESSIBLE DOOR.
4. HUB DRAIN FOR CONDENSATE DRAIN. THIS HUB DRAIN DOESN'T HAVE TRAP AND IS CONNECTED TO RAIN CISTERN. TRAP PRIMER IS NOT REQUIRED.
5. SHUT-OFF VALVE AS HIGH AS POSSIBLE IN OPEN CEILING AREA, 2"NW FROM LEVEL 1 (SEE SHEET P103.3 FOR CONTINUATION)
6. LOCATION OF SHUT-OFF VALVE AND RPZ (REDUCED PRESSURE ZONE) BACKFLOW PREVENTER, WATTS MODEL 090PT, OR A WILKINS MODEL 975XL, WITH DRAIN PIPING FROM BACKFLOW PREVENTER TO 6" ABOVE RIM OF HOP SINCE THIS BACKFLOW PREVENTER ASSEMBLY IS FOR BRANCH CWP PIPING TO HOS BIBS PER COW ORDINANCE.

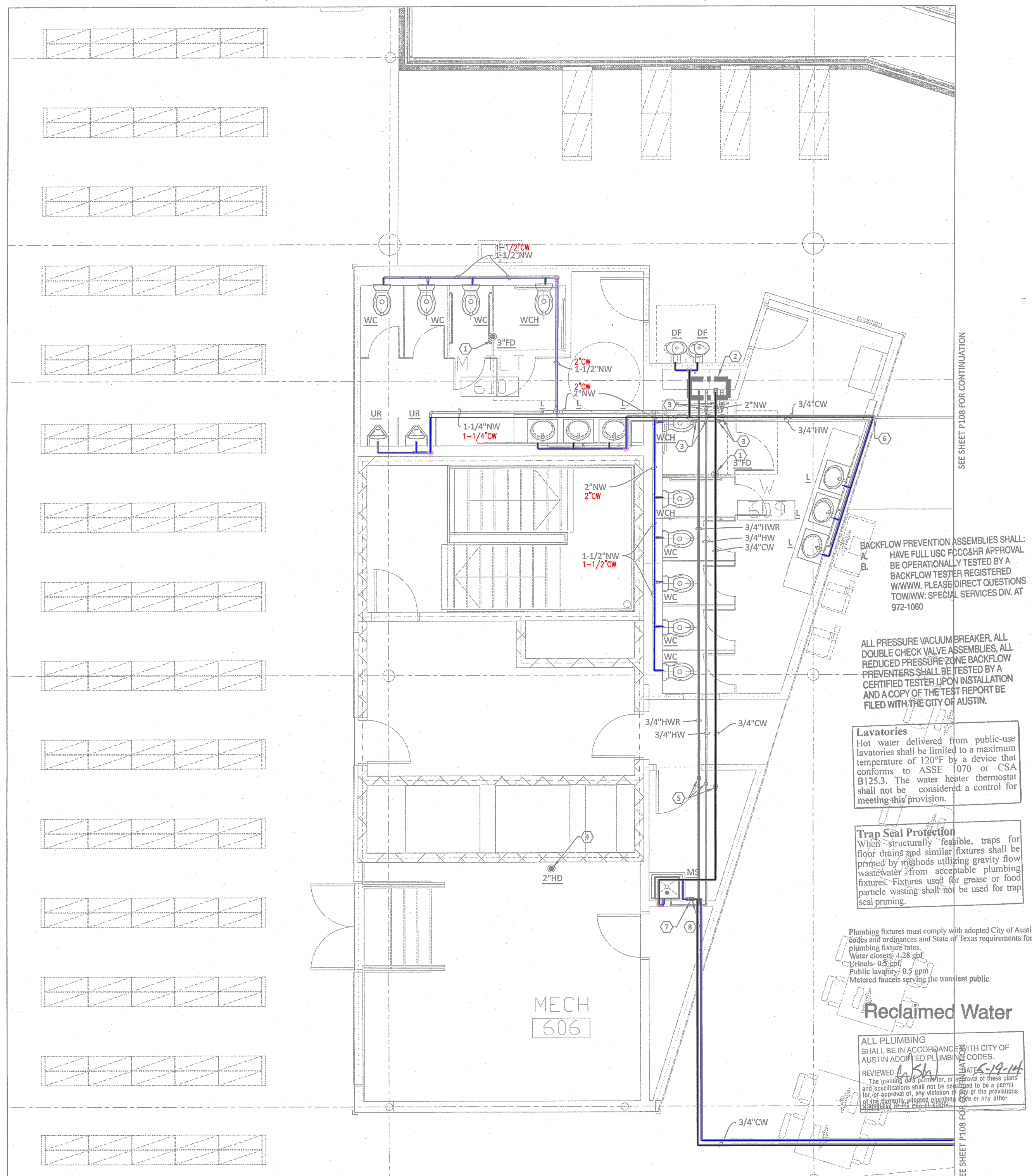
8. PROVIDE AND INSTALL 3/8" WATER TAP WITH DCVA (DOUBLE CHECK VALVE PREVENTION ASSEMBLY) AND SHUT-OFF VALVE ON WALL BELOW RPZ ASSEMBLY (SEE NOTE 7) FOR WATER SUPPLY TO COFFEE CARD . ROUTE DRAIN FROM DCVA INSIDE WALL TO 1" ABOVE RIM OF MOP SINK.

1. SEE SHEET P000 FOR NONPOTABLE SPECIAL NOTES
2. DO NOT ROUTE ANY PLUMBING PIPING ABOVE ANY ELECTRICAL PANEL.
3. PROVIDE AND INSTALL WATER SAVER TRAP PRIMER FROM NEAREST LAVATORY OR TRAP PRIMER WITH ACCESSIBLE SHUT-OFF VALVE IN WALL TO ALL FLOOR DRAINS, HUB DRAINS AND FLOOR SINKS. SEE PLAN FOR LOCATION.
4. PROVIDE AND INSTALL ACCESS TO ALL SHUT-OFF VALVES.
5. INSULATE 100% OF ALL HOT WATER PIPING, HOT WATER RETURN PIPING, COLD WATER PIPING AND NON-POTABLE WATER PIPING ACCORDING TO SPECIFICATIONS SECTION 220002. ALL NON-POTABLE WATER PIPING INSULATION SHALL BE PURPLE.
6. SEE UPPER LEVEL AND LOWER LEVEL PLUMBING PLANS FOR CONTINUATION OF VERTICAL PLUMBING PIPING.

PLUMBING LEGEND

	DOMESTIC WATER SUPPLY PIPING
2"	DOMESTIC WATER SUPPLY PIPING SIZE

FOR THE SAKE OF THIS STUDY THE NONPOTABLE WATER(NPW) SYSTEM IS TO BE IGNORED



1 LEVEL 6
ENLARGEMENT WATER PLAN
SCALE: 1/4" = 1'-0"

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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
REVISIONS		

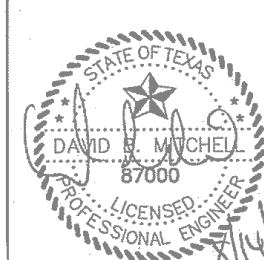
KEY PLAN
CITY OF AUSTIN

OWNER

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**LEVEL 6
ENLARGEMENT PLAN**

DRAWING TITLE



SCALE	SEE PLAN	DATE	08/16/2013
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3860

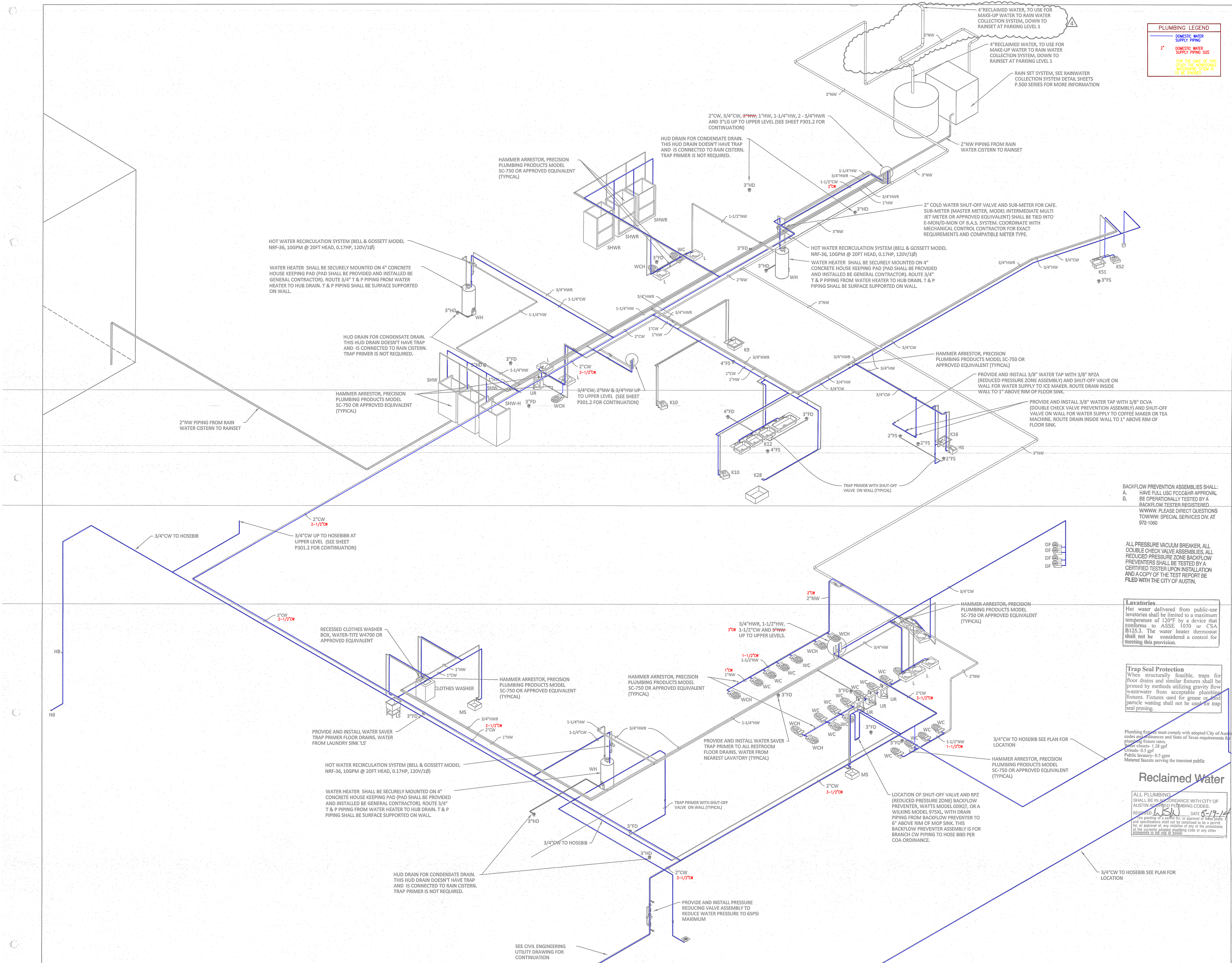
PROGRAM	S.T.N	CHECKED	D.B.M.
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PACKAGE 2 CONSTRUCTION DOCUMENTS

P108.1

DRAFTING NUMBER

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PLUMBING LEGEND

DOMESTIC WATER SUPPLY PIPING

DOMESTIC WATER SUPPLY PIPING SIZE

FOR THE SAKE OF THIS STUDY, THE NONCOMBUSTIBLE WATERMAIN SYSTEM IS TO BE IGNORED

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PROJECT CONSULTANT

4	04/17/2014	ADDENDUM #8
3	12/20/2013	ADDENDUM #7
2	11/15/2013	ADDENDUM #6
1	09/28/2013	ADDENDUM #2
NO.	DATE	DESCRIPTION

KEY PLAN

CITY OF AUSTIN

OWNER

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT

**PARKING LEVEL 1,
PARKING LEVEL 2 & LEVEL 1
WATER RISER DIAGRAM**

DRAWING TITLE

DAVID B. MITCHELL
REGISTERED PROFESSIONAL ENGINEER
CIVIL
4/15/14

SCALE

SEE PLAN

DATE

08/16/2013

JOB NUMBER

3860

DRAWN

S.T.N

CHECKED

D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

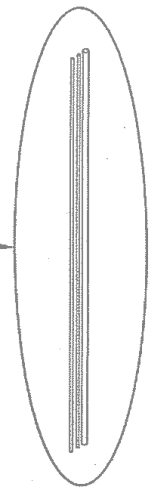
P301.1

DRAWING NUMBER

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PLUMBING LEGEND	
	DOMESTIC WATER SUPPLY PIPING
	DOMESTIC WATER SUPPLY PIPING SIZE
FOR THE SAME OF THIS STUDY, THE VERTICAL WATERING SYSTEM IS TO BE COVERED	

3/4" CW, 1-1/2" NW & 3/4" HW UP TO UPPER LEVEL. SEE PLAN FOR EXACT LOCATION



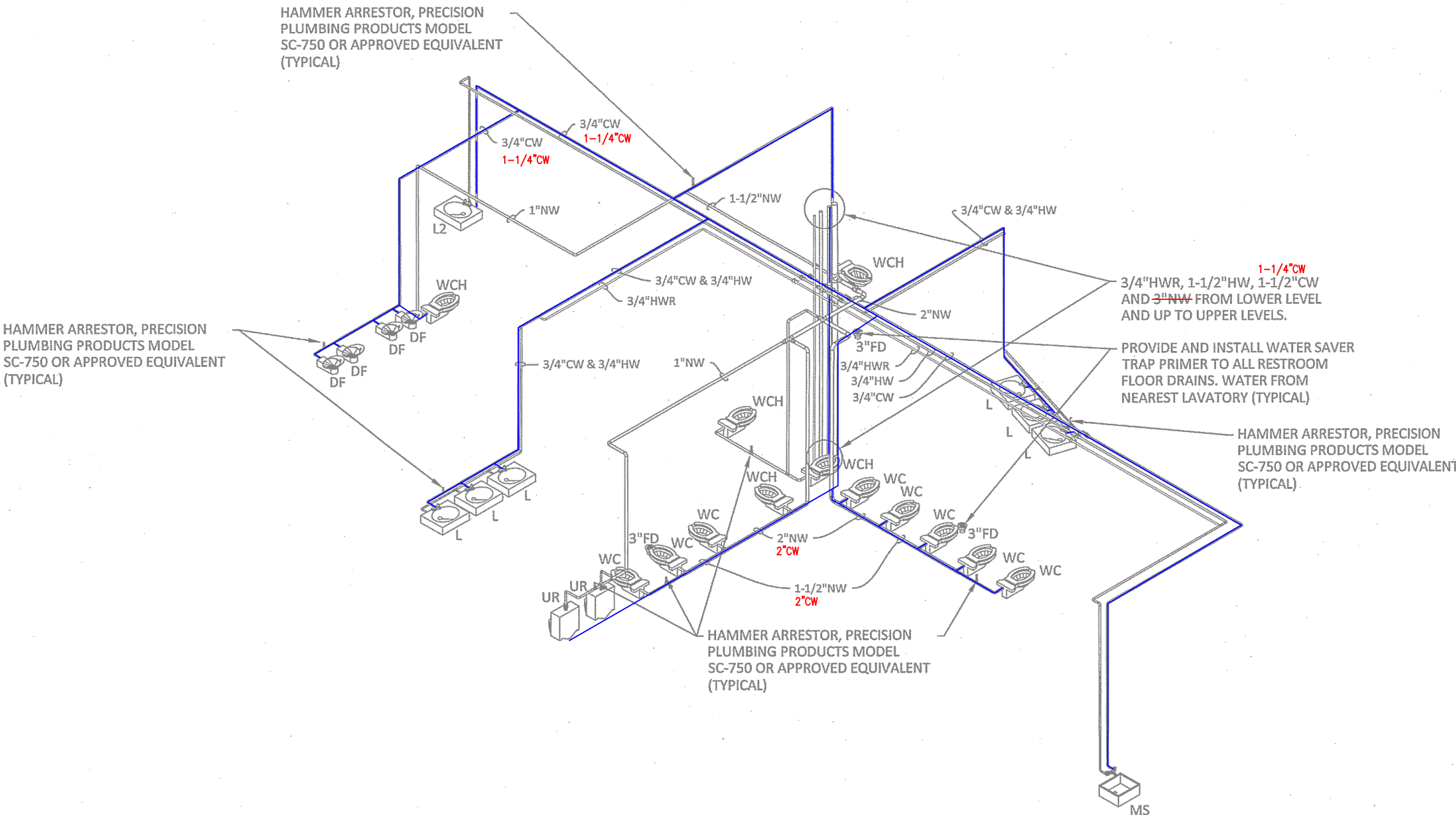
1" HW, 3/4" HWR & 1-1/2" CW STUB-OUT WITH SHUT-OFF VALVE FOR CAFE KITCHEN

1-1/2" CW
1-1/2" NW
3/4" HW
3/4" HWR
2" CW, 2" HWR, 2 - 1" HW & 2 - 3/4" HWR FROM LOWER LEVEL

HAMMER ARRESTOR, PRECISION PLUMBING PRODUCTS MODEL SC-750 OR APPROVED EQUIVALENT (TYPICAL)

PROVIDE AND INSTALL WATER SAVER TRAP PRIMER TO ALL RESTROOM FLOOR DRAINS. WATER FROM NEAREST LAVATORY (TYPICAL)

HAMMER ARRESTOR, PRECISION PLUMBING PRODUCTS MODEL SC-750 OR APPROVED EQUIVALENT (TYPICAL)



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A Joint Venture
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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
REVISIONS		

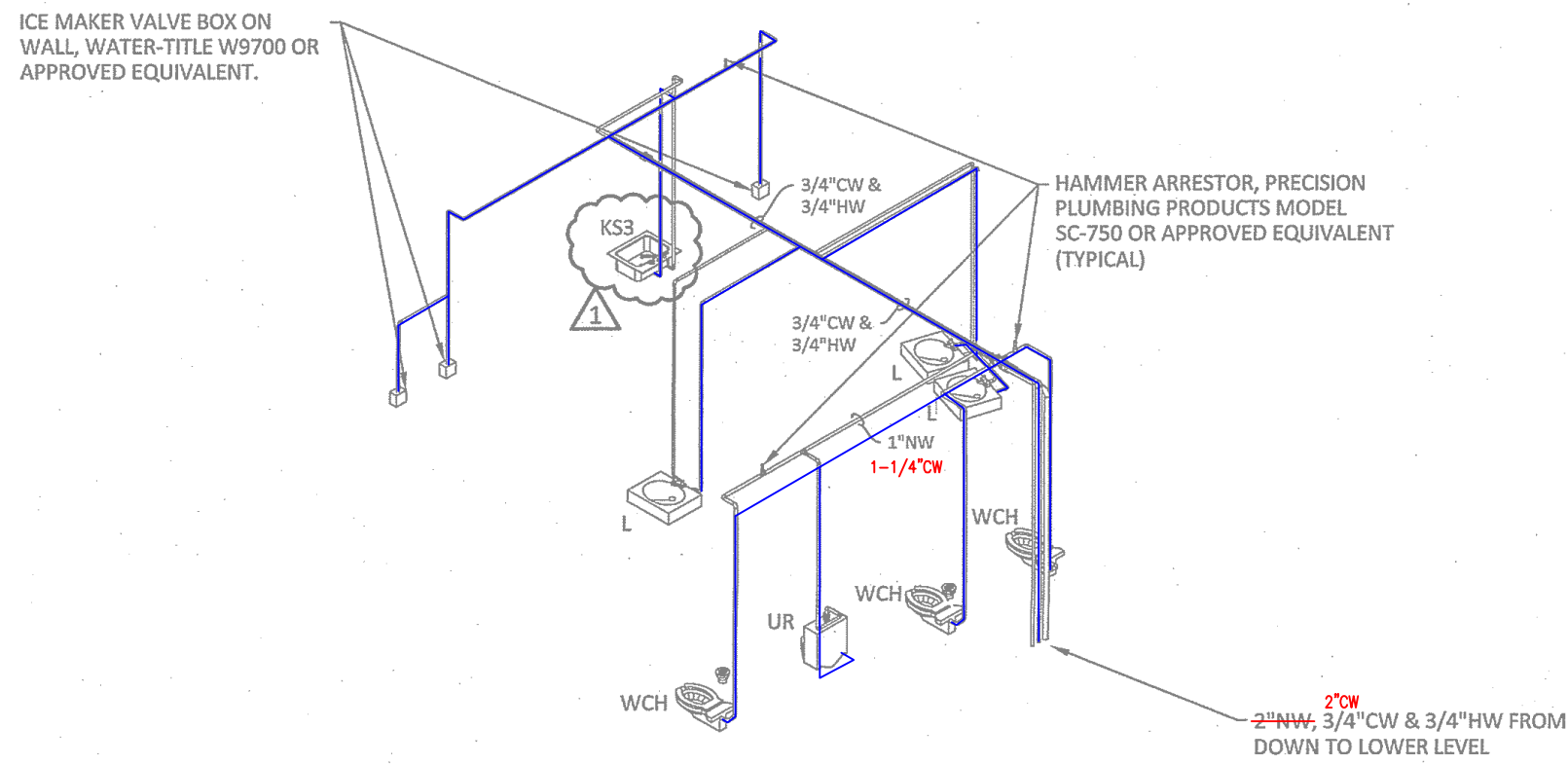
KEY PLAN
CITY OF AUSTIN
OWNER
NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX
PROJECT

LEVEL 2
WATER RISER DIAGRAM

DRAWING TITLE
SCALE
DATE
JOB NUMBER
DRAWN
CHECKED
PACKAGE 2 CONSTRUCTION DOCUMENTS

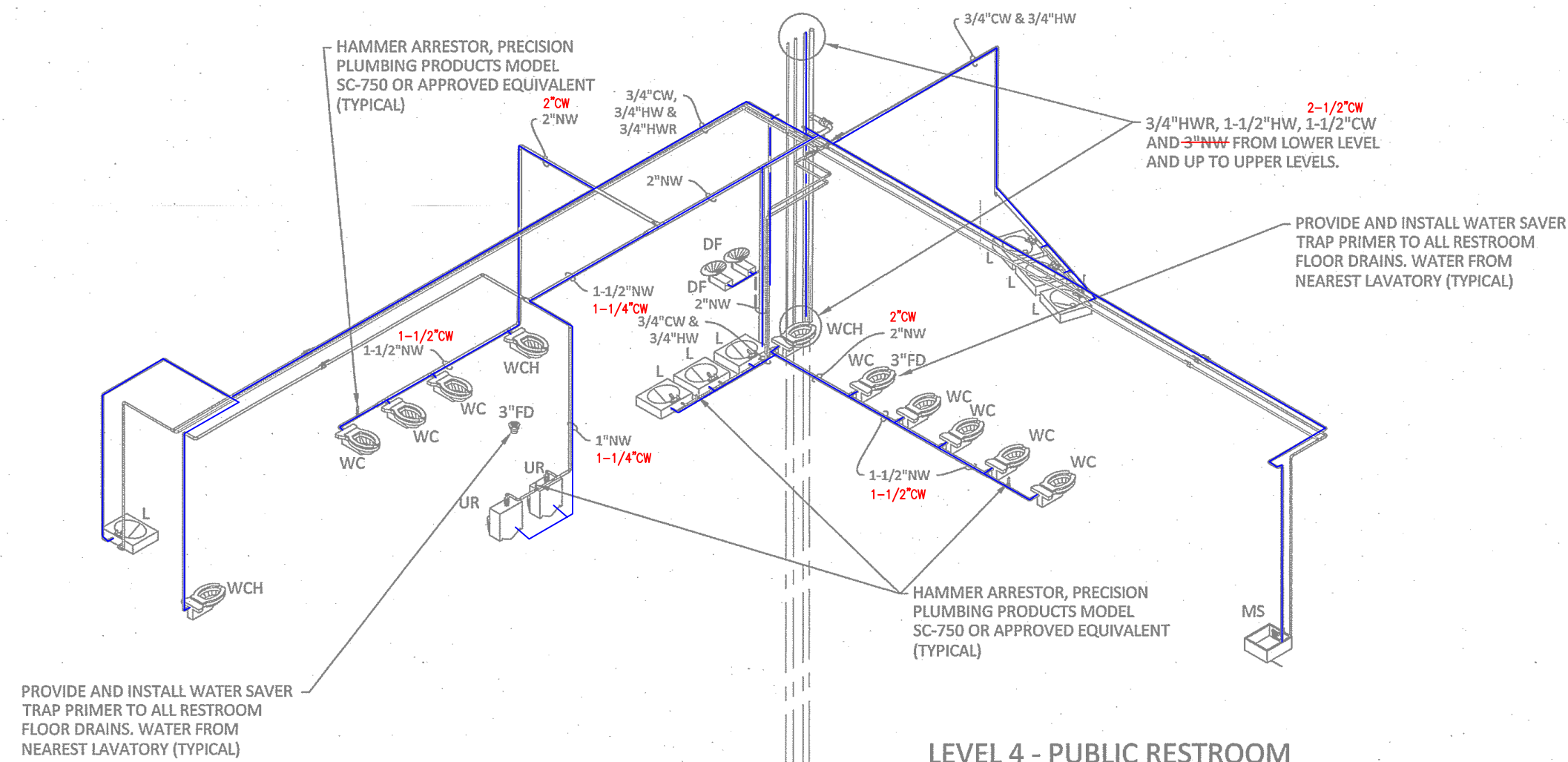
P301.2

DRAWING NUMBER
THE ORIGINAL OF THIS DRAWING IS 30" X 42". IF THIS COPY IS ANY OTHER SIZE, IT HAS EITHER BEEN REDUCED OR ENLARGED. TAKE APPROPRIATE PRECAUTIONS ACCORDINGLY.

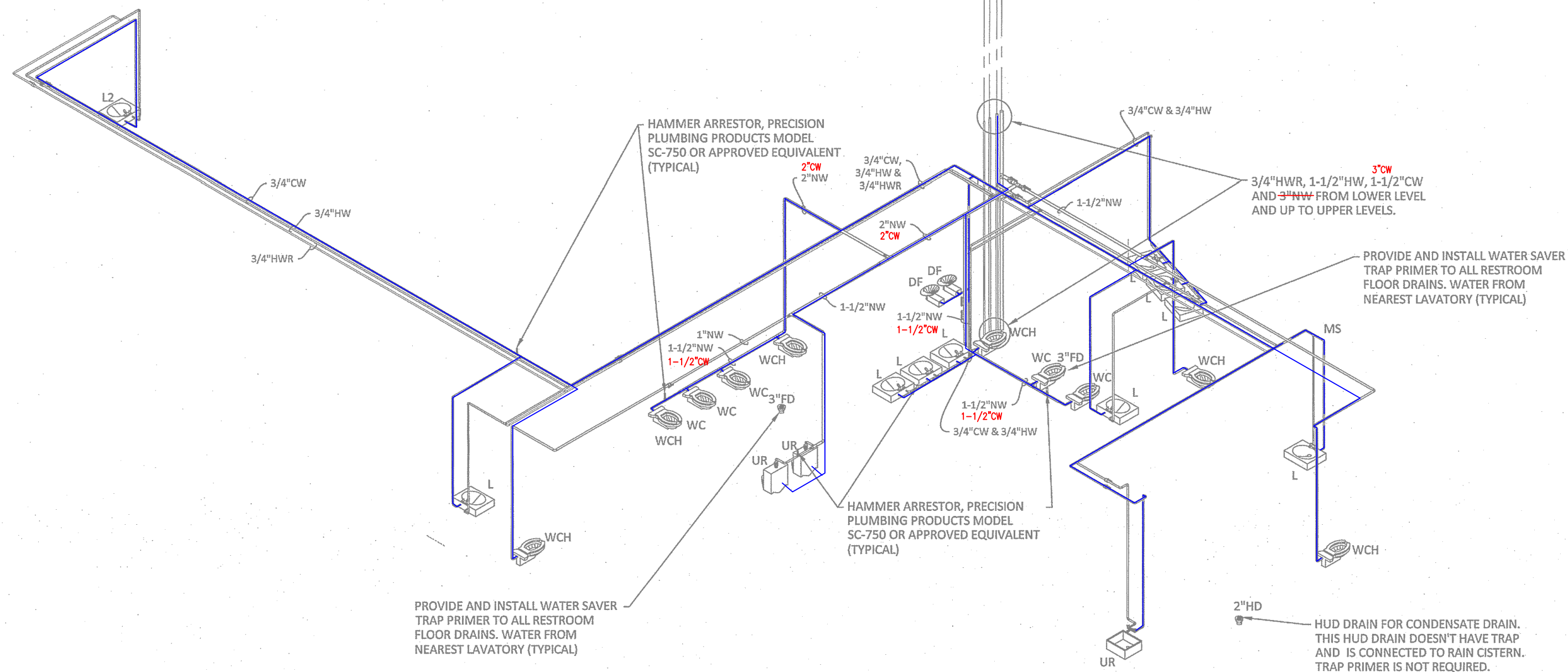


LEVEL 4 - STAFF RESTROOM
NOT TO SCALE

2\"/>



LEVEL 4 - PUBLIC RESTROOM
NOT TO SCALE



LEVEL 3 - PUBLIC RESTROOM
NOT TO SCALE

PLUMBING LEGEND	
—	DOMESTIC WATER SUPPLY PIPING
—	DOMESTIC WATER SUPPLY PIPING SIZE
FOR THE SAKE OF THIS STUDY, THE NONMOVABLE WATER(PW) SYSTEM IS TO BE IGNORED	

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.
REVIEWED *[Signature]* DATE *6-19-14*
The quantity of a permit fee, or approval or three plans and specifications shall not be construed to be a permit fee or approval of any violation of any of the provisions of the currently adopted plumbing code or any other ordinance of the City of Austin.

Shepley Bulfinch
A Joint Venture

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ENGINEERING CONSULTANTS

TBPE Firm No. 1141
8500 Bluffstone Cove - Suite B-103
Austin, Texas 78759 - (512)338-1101
www.encotechengineering.com

PROJECT CONSULTANT	

NO.	DATE	DESCRIPTION
1	09/26/2013	ADDENDUM #2
		REVISIONS

KEY PLAN

CITY OF AUSTIN

OWNER

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT

LEVEL 3 & 4
WATER RISER DIAGRAM

DRAWING TITLE

[Professional Seal]

SCALE SEE PLAN DATE 08/16/2013

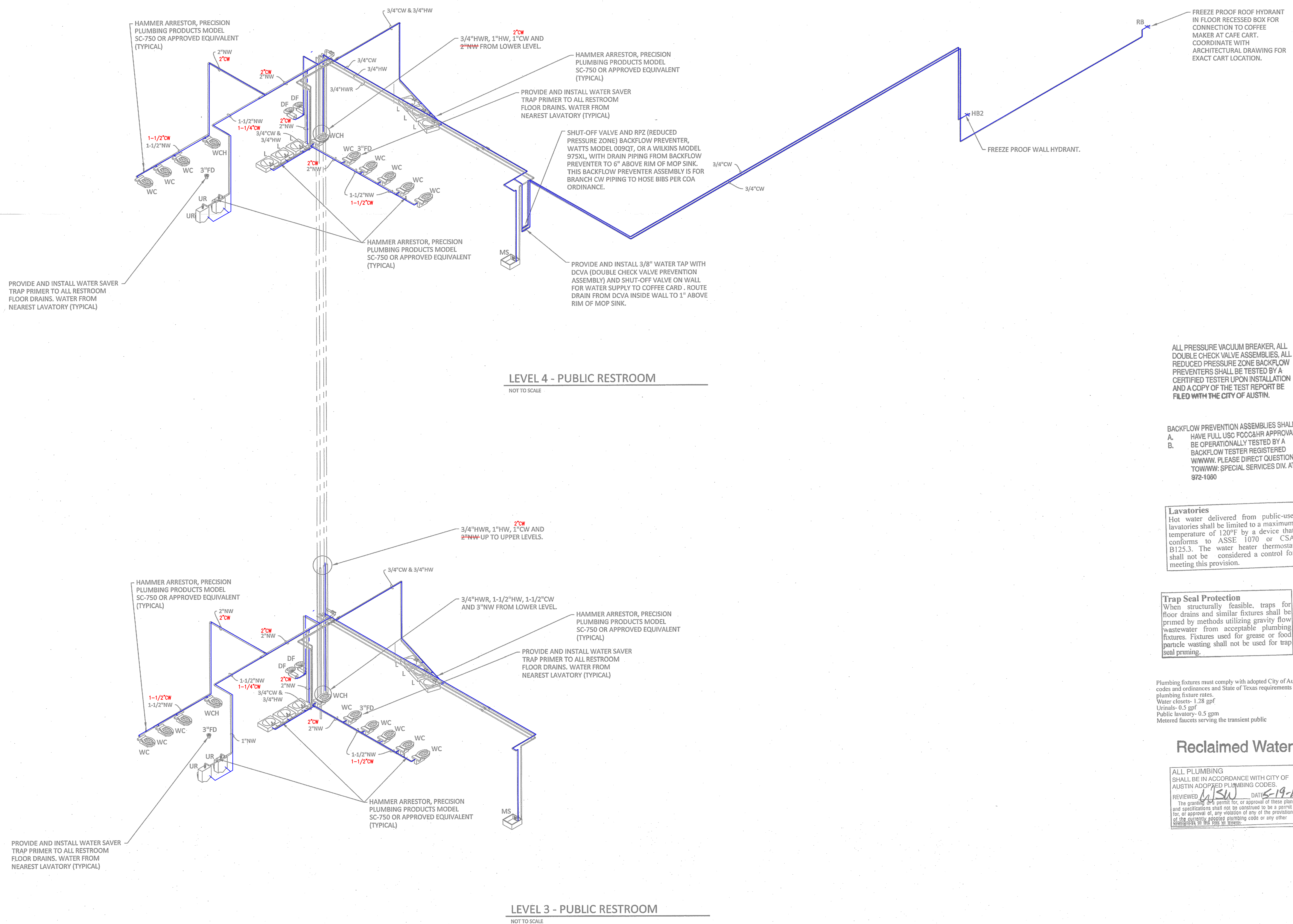
JOB NUMBER 3860

DRAWN S.T.N. CHECKED D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P301.3

DRAWING NUMBER



PLUMBING LEGEND

DOMESTIC WATER SUPPLY PIPING

2" DOMESTIC WATER SUPPLY PIPING SIZE

FOR THE SAKE OF THIS STUDY, THE NONPOSSIBLE WATER(SUPPLY) SYSTEM IS TO BE IGNORED

ALL PRESSURE VACUUM BREAKER, ALL DOUBLE CHECK VALVE ASSEMBLIES, ALL REDUCED PRESSURE ZONE BACKFLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER UPON INSTALLATION AND A COPY OF THE TEST REPORT BE FILED WITH THE CITY OF AUSTIN.

BACKFLOW PREVENTION ASSEMBLIES SHALL:

A. HAVE FULL USC FCCCAHR APPROVAL

B. BE OPERATIONALLY TESTED BY A BACKFLOW TESTER REGISTERED WITH THE CITY OF AUSTIN. PLEASE DIRECT QUESTIONS TO THE CITY OF AUSTIN SPECIAL SERVICES DIV. AT 872-1060

Lavatories

Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 120°F by a device that conforms to ASSE 1070 or CSA B125.3. The water heater thermostat shall not be considered a control for meeting this provision.

Trap Seal Protection

When structurally feasible, traps for floor drains and similar fixtures shall be primed by methods utilizing gravity flow wastewater from acceptable plumbing fixtures. Fixtures used for grease or food particle wasting shall not be used for trap seal priming.

Plumbing fixtures must comply with adopted City of Austin codes and ordinances and State of Texas requirements for plumbing fixture rates

Water closets- 1.28 gpf

Urinals- 0.5 gpf

Public lavatory- 0.5 gpm

Metered faucets serving the transient public

Reclaimed Water

ALL PLUMBING SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN ADOPTED PLUMBING CODES.

REVIEWED *[Signature]* DATE *5-19-14*

The general and specific notes, specifications and details shall not be construed to be a permit for or approval of any violation of any of the provisions of the governing plumbing code or any other applicable laws or regulations.

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PROJECT CONSULTANT

NO.	DATE	DESCRIPTION
REVISIONS		

KEY PLAN

CITY OF AUSTIN

OWNER

NEW CENTRAL LIBRARY
CIP ID#7235.001
710 W CESAR CHAVEZ STREET
AUSTIN, TX

PROJECT

**LEVEL 5 & 6
WATER RISER DIAGRAMS**

DRAWING TITLE

STATE OF TEXAS
DAVID S. MURPHY
PROFESSIONAL ENGINEER
87000
8/14/13

SCALE SEE PLAN DATE 08/16/2013

JOB NUMBER 3860

DRAWN S.T.N CHECKED D.B.M.

PACKAGE 2 CONSTRUCTION DOCUMENTS

P301.4

DRAWING NUMBER