

Addendum

Florida Gateway College
 Building 17 – Anatomy/Physiology Renovations
 Lake City, Florida
 FGC Bid Number: ITB No. 20-3-01

Project

1925

KP Project Number

April 15, 2020

Date

Page 1 of 2

Pre-Bid Conference Sign-
 In Sheet, Pre-Bid
 Conference Notes,
 Electronic Bid Submittal
 Instructions and Reissued
 Sheets P1, P2, P2.1, P3,
 P3.1 and P4

Pages

Attachments

Three

Addendum Number

This Addendum shall be considered part of the Contract Documents and shall be incorporated integrally into them. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall take precedence. Bidders shall acknowledge receipt of this Addendum on their Bid Form.

1. **GENERAL – PRE-BID CONFERENCE:** A non-mandatory pre-bid conference was held on Monday, April 13, 2020 via Zoom. Refer to that attached pre-bid conference sign-in sheet and pre-bid conference notes.
2. **GENERAL – BID SUBMITTAL:** Refer to the attached instructions for submitting bids electronically via FGC Dropbox.
3. **GENERAL – BID SUBMITTAL:** Refer to the Zoom Meeting instructions below for the Bid Opening.

Misty Taylor is inviting you to a scheduled Zoom meeting.

Topic: Bid Opening for ITB 20-3-01 Building 17 A&P Renovations

Time: Apr 22, 2020 02:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/95807365164?pwd=RGo0UU45eThhZ0ZhNTBCenBqbS92Zz09>

Meeting ID: 958 0736 5164

Password: 1Lma3c

4. **DRAWINGS, SHEETS D-1 – DEMOLITION PLAN AND A-1 – RENOVATION PLAN:** Refer to the Existing Testing Center 008. The new under slab sanitary line to feed the new sinks will require cutting a trench in the existing concrete slab and new concrete infill to match existing and installing new carpet tile flooring to match existing at the infill trench area and this scope of work shall be included in the General Contractors Base Bid.
5. **DRAWINGS, SHEET P1 – PLUMBING SPECIFICATIONS, NOTES AND LEGEND:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
6. **DRAWINGS, SHEET P2 – SANITARY DEMOLITION PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
7. **DRAWINGS, SHEET P2.1 – NEW SANITARY PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
8. **DRAWINGS, SHEET P3 – WATER SUPPLY DEMOLITION PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
9. **DRAWINGS, SHEET P3.1 – NEW WATER SUPPLY PLAN:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.
10. **DRAWINGS, SHEET P4 – PLUMBING RISERS:** Refer to the attached reissued Sheet. Revisions are indicated by cloud.

END OF ADDENDUM

ATTACHMENTS INCLUDE PRE-BID CONFERENCE SIGN-IN SHEET, PRE-BID CONFERENCE NOTES, ELECTRONIC BID SUBMITTAL INSTRUCTIONS AND REISSUED SHEETS P1, P2, P2.1, P3, P3.1 AND P4

Pre-Bid Conference Sign-In Sheet



Florida Gateway College
Building 17 – Anatomy/Physiology Renovations

Project

1925
KP Project Number

April 13, 2020
Date

10:00 am
Time

Company Name: Florida Gateway College
Company Phone #: 386-754-4381
Contact: Misty Taylor
Contact Email: misty.taylor@fgc.edu
General Contractor
Subcontractor
Other Owner
Please Specify

Company Name: Florida Gateway College
Company Phone #: 386-754-4325
Contact: Lance Jones
Contact Email: christopher.jones@fgc.edu
General Contractor
Subcontractor
Other Owner
Please Specify

Company Name: Kail Partners Architecture & Interiors
Company Phone #: 352-871-4935
Contact: Danny Kail
Contact Email: danny@kailpartners.com
General Contractor
Subcontractor
Other Architect
Please Specify

Company Name: Coburn & Associates, Inc.
Company Phone #: 386-454-3748
Contact: Dick Coburn
Contact Email: recoburnpe@coburnandassociates.com
General Contractor
Subcontractor
Other Engineer
Please Specify

Company Name: Charles Perry Partners, Inc.
Company Phone #: 352-333-9292 ext. 537
Contact: Ulysses Isambert
Contact Email: ulysses.isambert@cpipi.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: Core Construction Company
Company Phone #: 904-399-1033
Contact: Jerry Ingle
Contact Email: jingle@core-constructionco.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: Gray Construction Services, Inc.
Company Phone #: 352-463-3939 ext. 17
Contact: Joe White
Contact Email: jwhite@gray-construction.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: Little & Williams, Inc.
Company Phone #: 386-755-3139
Contact: Mark Little
Contact Email: littleawilliam@gmail.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: Scorpio
Company Phone #: 352-363-6070
Contact: Ryan Stroh
Contact Email: ryan@scorpioco.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: _____
Company Phone #: _____
Contact: _____
Contact Email: _____
General Contractor
Subcontractor
Other
Please Specify

Company Name: _____
Company Phone #: _____
Contact: _____
Contact Email: _____
General Contractor
Subcontractor
Other
Please Specify

Company Name: KBT Contracting Corporation
Company Phone #: 904-647-9200
Contact: Rebecca Timmons
Contact Email: info@kptcorp.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: Plumb Level Construction
Company Phone #: 352-363-6070
Contact: Kevin Bedenbaugh
Contact Email: plumblevelconstruction@gmail.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: Bill Williams Air Conditioning & Heating, Inc.
Company Phone #: 904-387-0491
Contact: Greg Chism
Contact Email: bwacgreg@aol.com
General Contractor
Subcontractor
Other
Please Specify

Company Name: _____
Company Phone #: _____
Contact: _____
Contact Email: _____
General Contractor
Subcontractor
Other
Please Specify

Company Name: _____
Company Phone #: _____
Contact: _____
Contact Email: _____
General Contractor
Subcontractor
Other
Please Specify

Pre-Bid Conference Notes

Florida Gateway College
 Building 17 – Anatomy/Physiology Renovations
 Lake City, Florida
 FGC Bid Number: ITB No. 20-3-01

Project

1925

KP Project Number

10:00 a.m.

Time

April 13, 2020

Date

2

Pages

Present: Refer to the Sign-In Sheet that was completed during the Pre-Bid Conference.

Items Noted: The Pre-Bid Conference was not mandatory. Previous Addenda and all future Addenda will be issued to our website at www.kailpartners.com and to the Owner to add to their website through the Purchasing Department.

1. The scope of work is as outlined in the Project Manual and Drawings.
2. Bids are due on Wednesday, April 22, 2020 at 2:00 p.m. per the Invitation to Bid. Bids shall be submitted electronically per the instructions provided in Addendum Three.
3. Please review the Division 00 and 01 Sections of the Project Manual for instructions and requirements for bidding and what is to be submitted with the bid package.
4. All work shall be Substantially Complete within 90 calendar days from the notice to proceed date and Finally Complete within 15 calendar days from the date of Substantial Completion.
5. The liquidated damages are specified at \$250.00 per calendar day for both substantial and final completion.
6. The building permit and notice to proceed will be issued by Florida Gateway College at no cost.
7. Any questions shall be submitted via email to Kail Partners at danny@kailpartners.com and the last day and time for pre-bid questions is Wednesday, April 15, 2020 at noon.
8. Meeting adjourned around 10:45 a.m.

Kail Partners
Architecture & Interiors



Daniel Kail, Architect, LEED GA
Florida AR0017039 – NCARB 52880
352-871-4935 or danny@kailpartners.com

Submitting Bids via FGC Dropbox

1. In a web browser, navigate to <https://dropbox.fgc.edu/>.
2. Click the **Drop-off** button.

FLORIDA GATEWAY COLLEGE

Home Login

Florida Gateway College Username: Password: Login

If you are a Florida Gateway College user, you should login above to avoid having to verify your email address, and be able to drop-off files to non-Florida Gateway College users.

Anyone may perform the following activities:

- Drop-off** Drop-off (*upload*) a file for a Florida Gateway College user (**email verification required**).
- Pick-up** Pick-up (*download*) a file dropped off for you.

i Florida Gateway College users: you may login with your username and password and send files to anyone, in or out of College.
Non-Florida Gateway College users: you cannot log in, but can still send files to Florida Gateway College users if you know their email address. Start by clicking the "Drop-off" button.
Florida Gateway College users who wish someone outside College to send them files, can make it a lot easier for them by logging in and clicking "Request a Drop-off". That saves the other person having to prove who they are. The request created will be valid for 7 days.


FGC Dropbox is a service to make it easy for you to move files, including large files up to 20.0 GB, in and out of College.

i How secure is FGC Dropbox?

i Files are automatically deleted from FGC Dropbox 14 days after you upload them.

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3. On the page that follows, 1) enter your name, organization, and email address; 2) complete the reCAPTCHA; and 3) click the **Send confirmation** button.

 **FLORIDA GATEWAY COLLEGE**

Home


Information about the Sender

Have you been given a "Request Code"?

1) (required)

 (required)

To confirm that you are a *real* person (and not a computer), please complete the quick challenge below:

2) I'm not a robot 
reCAPTCHA
Privacy - Terms

I now need to send you a confirmation email.
When you get it in a minute or two, click on the link in it.

3)

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4. You will receive an email like the one below at the address you specified in the previous step. Navigate to the link provided in the email.

ZendTo

This is an automated message sent to you by the FGC Dropbox service.

Name:

Organization:

Email:

You have asked us to send you this message so that you can drop-off some files for someone.

IGNORE THIS MESSAGE IF YOU WERE NOT IMMEDIATELY EXPECTING IT!

Otherwise, continue the process by clicking the following link (or copying and pasting it into your web browser):

<https://dropbox.fgc.edu/dropoff.php?auth=>

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5. On the linked page, 1) click the add button (green and white plus sign); 2) enter the recipient's name and email; and 3) click the **Add Recipient** button; and 4) click the close button on the Add Recipients modal dialog.

The screenshot shows the Florida Gateway College website with a modal dialog titled "Add Recipients" open. The background page has a "Home" button and a "PLEASE NOTE" section. The modal dialog has "Add One" and "Add Many" buttons, and input fields for "Name:" and "Email:". A red box highlights the "Add Recipient" button, and another red box highlights the close button (X) in the top right corner of the modal. The background page has a "To:" field with a green plus sign button highlighted by a red box and labeled "1)". A "Short note to the Recipients:" text area is also visible, with a "1000 / 1000 left" character count. The footer of the page reads "Version 5.03 | Copyright © 2018 ZendTo | About FGC Dropbox This service is powered by a copy of ZendTo".

Home

FLORIDA GATEWAY COLLEGE

PLEASE NOTE

Files uploaded to FGC Dropbox are scanned for malware. Please do not upload any files as you would with any other file you upload (e.g. personal private information)!

This web page will allow you to drop-off (upload) files containing the information you enter below for identity confirmation purposes.

From:

Encrypt every file

Calculate SHA-256 checksum of each file

Send an email to me when each recipient picks up the file(s)

To:

Short note to the Recipients:

1000 / 1000 left

Click to Add Files or Drag Them Here

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6. **IMPORTANT:** To provide assurance that the submitted files cannot be opened except by College personnel at the appropriate time, 1) check the **Encrypt every file** checkbox; 2) carefully enter a secure passphrase; and 3) click the **OK** button. You **MUST** be able to provide the passphrase to College personnel at the appropriate time (when your files are being reviewed). Without the passphrase, the files **cannot** be retrieved, even by College IT staff.

FLORIDA GATEWAY COLLEGE

Home

PLEASE NOTE

Files uploaded to FGC Dropbox are scanned for malware. Users are also strongly encouraged to use secure file transfer methods as you would with any other file you send (e.g. personal private information)!

This web page will allow you to drop-off files containing the information you enter below for identity confirmation purposes.

From:

1) **Encrypt every file**

Calculate SHA-256 checksum of each file

Send an email to me when each recipient picks up the file(s)

Send e-mail message to recipients which includes Passcode as well as Claim ID

To:

Short note to the Recipients:

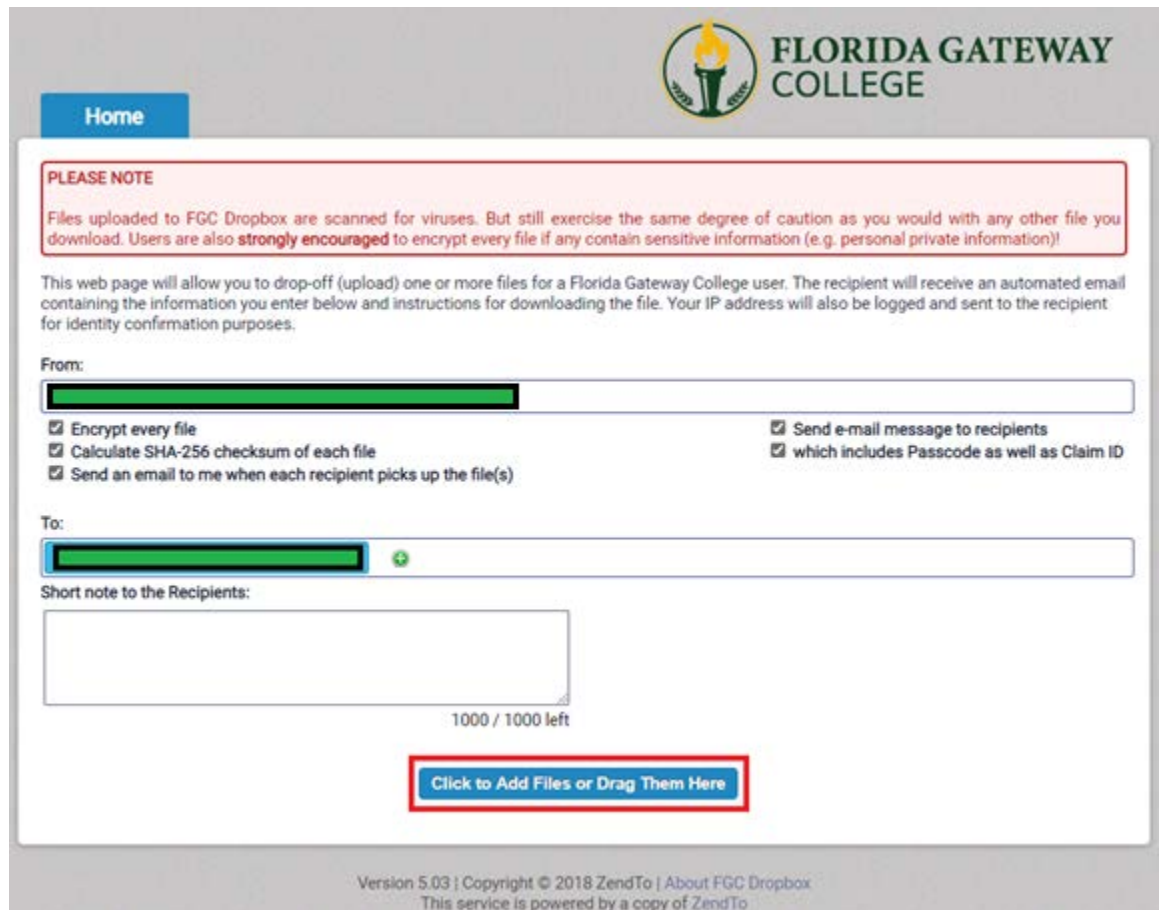
1000 / 1000 left

3) **OK**

[Click to Add Files or Drag Them Here](#)


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7. Upload the desired file(s) to be submitted. Either drag-and-drop the file(s) into the browser window or click the **Click to Add Files or Drag Them Here** button and select the file(s) from the dialog window that opens.



The screenshot shows the Florida Gateway College FGC Dropbox upload page. At the top right is the Florida Gateway College logo. A blue 'Home' button is on the left. A red-bordered box contains a 'PLEASE NOTE' section with text about virus scanning and encryption. Below this is a paragraph explaining the upload process. The 'From:' field is a redacted text box. There are three checkboxes: 'Encrypt every file', 'Calculate SHA-256 checksum of each file', and 'Send an email to me when each recipient picks up the file(s)'. To the right are two more checkboxes: 'Send e-mail message to recipients' and 'which includes Passcode as well as Claim ID'. The 'To:' field is a redacted text box with a green plus icon. Below is a 'Short note to the Recipients:' text area with a '1000 / 1000 left' character count. A blue button with a red border says 'Click to Add Files or Drag Them Here'. At the bottom, it says 'Version 5.03 | Copyright © 2018 ZendTo | About FGC Dropbox' and 'This service is powered by a copy of ZendTo'.

Home

 **FLORIDA GATEWAY COLLEGE**

PLEASE NOTE

Files uploaded to FGC Dropbox are scanned for viruses. But still exercise the same degree of caution as you would with any other file you download. Users are also **strongly encouraged** to encrypt every file if any contain sensitive information (e.g. personal private information)!

This web page will allow you to drop-off (upload) one or more files for a Florida Gateway College user. The recipient will receive an automated email containing the information you enter below and instructions for downloading the file. Your IP address will also be logged and sent to the recipient for identity confirmation purposes.

From:

[Redacted]

Encrypt every file Send e-mail message to recipients
 Calculate SHA-256 checksum of each file which includes Passcode as well as Claim ID
 Send an email to me when each recipient picks up the file(s)

To:

[Redacted] +

Short note to the Recipients:

[Text Area]

1000 / 1000 left

Click to Add Files or Drag Them Here

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8. After uploading your files, 1) consider entering a brief description of each item. If desired, 2) enter a short note to the recipient. When done, 3) click the **Drop-off Files** button to submit your files.

FLORIDA GATEWAY COLLEGE

Home

PLEASE NOTE

Files uploaded to FGC Dropbox are scanned for viruses. But still exercise the same degree of caution as you would with any other file you download. Users are also **strongly encouraged** to encrypt every file if any contain sensitive information (e.g. personal private information)!

This web page will allow you to drop-off (upload) one or more files for a Florida Gateway College user. The recipient will receive an automated email containing the information you enter below and instructions for downloading the file. Your IP address will also be logged and sent to the recipient for identity confirmation purposes.

From:

[Redacted]

Encrypt every file Send e-mail message to recipients
 Calculate SHA-256 checksum of each file which includes Passcode as well as Claim ID
 Send an email to me when each recipient picks up the file(s)

To:

[Redacted]

Short note to the Recipients:

This is an example note.

976 / 1000 left

2)

Click to Add Files or Drag Them Here

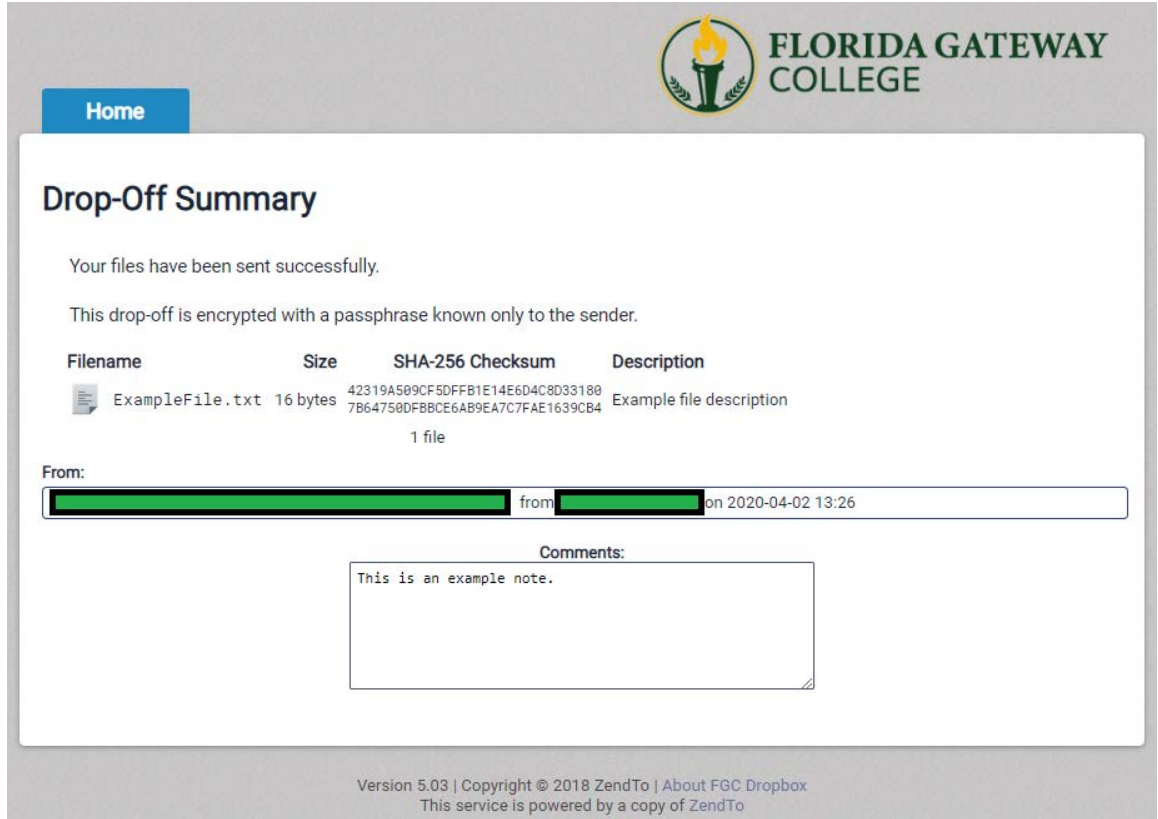
Filename	1) Size	Description
1: ExampleFile.txt	<0.1 KB	Example file description

<0.1 KB / 20480 MB

3) **Drop-off Files**

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9. You will then be presented with the Drop-Off Summary.




The screenshot shows a web interface for Florida Gateway College. At the top right is the college's logo, which features a torch with a flame inside a circular emblem, next to the text "FLORIDA GATEWAY COLLEGE". On the left, there is a blue button labeled "Home". The main content area is titled "Drop-Off Summary" and contains the following text: "Your files have been sent successfully." and "This drop-off is encrypted with a passphrase known only to the sender." Below this is a table with four columns: "Filename", "Size", "SHA-256 Checksum", and "Description". The table lists one file: "ExampleFile.txt" with a size of "16 bytes" and a SHA-256 checksum of "42319A509CF50FFB1E14E6D4C8D331887B64750DFBBCE6AB9EA7C7FAE1639CB4". The description for this file is "Example file description". Below the table, it says "1 file". Under the heading "From:", there is a text box containing a redacted email address, followed by "from", another redacted email address, and "on 2020-04-02 13:26". Below this is a section labeled "Comments:" with a text area containing the text "This is an example note." At the bottom of the page, there is a footer with the text: "Version 5.03 | Copyright © 2018 ZendTo | About FGC Dropbox This service is powered by a copy of ZendTo".

Home

Drop-Off Summary

Your files have been sent successfully.

This drop-off is encrypted with a passphrase known only to the sender.

Filename	Size	SHA-256 Checksum	Description
 ExampleFile.txt	16 bytes	42319A509CF50FFB1E14E6D4C8D331887B64750DFBBCE6AB9EA7C7FAE1639CB4	Example file description

1 file

From:

[Redacted] from [Redacted] on 2020-04-02 13:26

Comments:

This is an example note.

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10. At the appropriate time, provide the recipient with the passphrase so that they can download your uploaded files. Once the files have been downloaded by the recipient, you will receive an email like the one below at the address you provided.

ZendTo

This is an automated message sent to you by the FGC Dropbox service.

The drop-off you made (claim ID: [REDACTED]) has been picked-up.

The file "ExampleFile.txt" was picked up.

[REDACTED] made the pick-up from [REDACTED]

Note: You will not be notified about any further pick-ups of files in this drop-off by this recipient.

Full information about the drop-off:

Claim ID: [REDACTED]

Date of Drop-off: 2020-04-02 13:26:20

Note:

This is an example note.

— Sender —

Name: [REDACTED]

Organization: [REDACTED]

Email Address: [REDACTED]

IP Address: [REDACTED]

— File —

Name: ExampleFile.txt

Description: Example file description

Size: 16 bytes

SHA-256 Checksum: 42319A509CF5DFFB1E14E6D4C8D331807B64750DFBBCE6AB9EA7C7FAE1639CB4

Content Type: text/plain

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PLUMBING SYMBOL LEGEND		PLUMBING ABBREVIATIONS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CD	- ABOVE GROUND CONDENSATE DRAIN	AF	- ABOVE FINISH FLOOR
CD	- BELOW GROUND CONDENSATE DRAIN	CB	- CATCH BASIN
	- DOMESTIC COLD WATER	CD	- CONDENSATE DRAIN
	- DOMESTIC HOT WATER	CFH	- CUBIC FEET PER HOUR
	- DOMESTIC HOT WATER RECIRCULATING	CO	- CLEANOUT
GW	- GREASE WATER	CONT	- CONTINUATION
S	- ABOVE GROUND SANITARY	CW	- DOMESTIC COLD WATER
S	- BELOW GROUND SANITARY	DN	- DOWN
	- SANITARY VENT	DS	- DOWNSPOUT
ST	- ABOVE GROUND STORM WATER LEADER	DWG	- DRAWING
U/G	- BELOW GROUND	EXIST	- EXISTING
STO	- STORM WATER OVERFLOW	ECO	- EXTERIOR CLEAN OUT
M	- WATER METER	*F	- DEGREE FAHRENHEIT
H-C	- HOSE BIBB OR WALL HYDRANT	FCO	- FLOOR CLEANOUT
CO	- CLEAN OUT PLUG	FD	- FLOOR DRAIN
WCO	- WALL CLEANOUT	FS	- FLOOR SINK
EWCO	- EXTERIOR WALL CLEAN OUT	G	- GAS
	- FLOOR CLEAN OUT	GPH	- GALLONS PER HOUR
	- FLOOR DRAIN	GPM	- GALLONS PER MINUTE
	- ROOF DRAIN	GW	- GREASE WATER
	- SHUT-OFF VALVE IN VALVE BOX	HB	- HOSE BIBB
	- SHUTOFF VALVE	HD	- HUB DRAIN
	- BALL VALVE	HW	- DOMESTIC HOT WATER
	- CALIBRATED BALANCING VALVE	HWR	- DOMESTIC HOT WATER RECIRCULATING
	- CHECK VALVE (SWING)	IE	- INVERT ELEVATION
	- SOLENOID OPERATED VALVE	IW	- INDIRECT WASTE
	- RELIEF OR SAFETY VALVE	KW	- KILOWATT
	- GAS COCK	LBS	- POUNDS
	- GAS PRESSURE REGULATOR	MH	- MANHOLE
	- SHUTOFF VALVE ON RISER	NZO	- NITROUS OXIDE
	- GAS COCK ON RISER	NIC	- NOT IN CONTRACT
	- CONNECTION, TOP	NC	- NORMALLY CLOSED
	- CONNECTION, BOTTOM	NO	- NORMALLY OPEN
	- ELBOW, TURNED DOWN	NP	- NON-POTABLE WATER
	- ELBOW, TURNED UP	NTS	- NOT TO SCALE
	- TEE, TURNED UP	OD	- OUTSIDE DIAMETER
	- TEE, TURNED DOWN	PRV	- PRESSURE REDUCING VALVE
	- CAP	PSI	- POUNDS PER SQUARE INCH
	- DIRECTION OF FLOW	PVC	- POLYVINYL CHLORIDE PIPE
	- REVISION REFERENCE	RD	- ROOF DRAIN
	- DETAIL REFERENCE: TOP-DETAIL#, BOTTOM-DRAWING# SHOWN ON	RPBP	- REDUCED PRESSURE BACKFLOW PREVENTOR
	- CONNECT TO	SAN	- SANITARY
	- DEMO TO	SD	- STORM DRAIN
		SF	- SQUARE FEET
		SH	- SHEET
		ST	- STORM WATER LEADER
		STO	- OVERFLOW STORM WATER
		V	- VENT
		VTR	- VENT THRU ROOF
		VTW	- VENT THRU WALL
		WCO	- WALL CLEANOUT
		WTR	- WATER
		WHA	- WATER HAMMER ARRESTOR

- GENERAL NOTES**
- REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT INSTALLATION STANDARDS.
 - THE PLUMBING INSTALLATION SHALL COMPLY WITH ALL CURRENT STATE AND LOCAL CODES.
 - COORDINATE UTILITIES AND SERVICES WITH CIVIL ENGINEER.
 - PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
 - PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
 - CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED.
 - PROVIDE ACCESS PANELS FOR ALL VALVES CONCEALED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS.
 - SLEEVE AND/OR FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FLOORS WITH UL LISTED ASSEMBLIES. FIRESTOP ASSEMBLIES SHALL BE EQUAL TO OR EXCEED THE RATING OF THE WALL, CEILING OR FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
 - FLASH AND COUNTER-FLASH ROOF PENETRATIONS. NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
 - WHEN BEAM SLEEVE PENETRATIONS ARE NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
 - PROVIDE FOUNDATION PAD PENETRATION SLEEVES. ALLOW 1" MINIMUM CLEARANCE BETWEEN SLEEVE INSIDE SURFACE AND PIPE EXTERIOR.
 - SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
 - PROVIDE AUTOMATIC TRAP PRIMERS FOR FLOOR DRAIN & FLOOR SINK TRAP SEALS.
 - PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
 - ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.
 - MOUNT HOSE BIBBS 24" ABOVE FINISHED GRADE.
 - PROVIDE CLEANOUTS IN ACCORDANCE WITH ALL SATE AND LOCAL CODES. INSTALL CLEAN OUT WITH COVER FLUSH TO FINISH SURFACE.
 - COORDINATE EXACT FLOOR DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. SET FLOOR DRAINS BELOW FINISHED FLOOR TO ALLOW FOR FLOOR SLOPING TO THE DRAIN.
 - COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE RE-ROUTED AT NO ADDITIONAL COST.
 - PROVIDE SANITARY WASTE, VENT, DOMESTIC WATER, ETC. ROUGH-IN AND MAKE FINAL CONNECTIONS (TO INCLUDE PROVIDING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC. AND MAKE READY FOR USE) TO ALL EQUIPMENT, WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.
 - PROVIDE WATER HAMMER ARRESTOR ON H & CW PIPE.
 - CONTRACTOR TO PROVIDE ALL APPURTENANCES TO COMPLETE INSTALLATION AND CONNECTIONS IN ITS ENTIRETY TO FIXTURES AND EQUIPMENT.
 - ENTIRETY TO FIXTURES AND EQUIPMENT.

PLUMBING SPECIFICATIONS

GENERAL:

THE GENERAL MECHANICAL SPECIFICATIONS APPLY TO THE WORK SPECIFIED IN THIS SECTION.

SCOPE OF WORK:

PROVIDE A COMPLETE PLUMBING SYSTEM AS INDICATED ON THE DESIGN DRAWINGS AND AS OUTLINED WITHIN THESE SPECIFICATIONS. WORK SHALL INCLUDE BUT NOT BE LIMITED TO EQUIPMENT, THE FABRICATION AND/OR INSTALLATION OF THE SCHEDULED PLUMBING FIXTURES, EQUIPMENT AND RELATED PIPING. THE COMPLETED PLUMBING SYSTEM SHALL MEET ALL APPLICABLE STATE & LOCAL CODES AND STANDARDS.

PRODUCTS:

ALL EQUIPMENT, ETC., SHALL BE NEW, AND AS SPECIFIED FREE OF DEFECTS AS SHOWN ON THE DRAWINGS AND AS INDICATED IN THESE SPECIFICATIONS. ALL ELECTRICAL POWERED EQUIPMENT SHALL BE U.L. LISTED.

WATER SUPPLY SYSTEM:

EXTEND WATER SERVICE AS INDICATED ON DESIGN DRAWINGS.

PROVIDE SHOCK ABSORBERS AND VACUUM BREAKERS WHERE REQUIRED.

PIPE AND FITTINGS ABOVE GROUND - TYPE L HARD COPPER AND WROUGHT COPPER FITTINGS, WITH SOLDERED JOINTS (USE ONLY "LEAD FREE" SOLDER).

PIPE AND FITTINGS BELOW GROUND - TYPE "K" SOFT COPPER. PROVIDE POLYBUTYLENE WRAPPING.

VALVES (3 INCH AND LARGER) - GATES VALVES - ALL BRONZE, RISING STEM, DOUBLE WEDGE TAPER SEAT, 125 PSI STEAM PRESSURE.

VALVES (2-1/2 INCH AND SMALLER) TWO PIECE 400 PSI WSP FULL PORT BRONZE BODY BALL VALVE WITH THREADED ENDS, LOCKABLE LEVER HANDLE AND REPLACEABLE TEFLON OR TFE SEATS.

CHLORINATION - BEFORE BEING PLACED IN SERVICE ALL WATER DISTRIBUTION SYSTEMS SHALL BE STERILIZED WITH CHLORINE IN ACCORDANCE WITH PLUMBING CODE AND AWWA C-651 OR C-652 STANDARD PROCEDURE FOR DISINFECTING WATER MAINS.

DRAINAGE SYSTEM:

EXTEND PIPING FROM NEW FIXTURES AND EQUIPMENT AND CONNECT TO SYSTEMS AS INDICATED ON THE DRAWINGS.

PIPE SLOPE:

2-1/2 INCH DIAMETER AND LESS SHALL BE INSTALLED WITH SLOPE OF NOT LESS THAN 1/4 INCH PER FOOT.

3 INCH DIAMETER OR LARGER SHALL BE INSTALLED WITH A SLOPE NOT LESS THAN 1/8 INCH PER FOOT.

CONDENSATE LINES SHALL BE SLOPED A MINIMUM OF 1/8" INCH PER FOOT.

PIPE AND FITTINGS:

ABOVE GRADE:

SCHEDULE 40 PVC, DWV COPPER, OR SERVICE WEIGHT CAST IRON

DRAIN, WASTE AND VENT PIPING LOCATED IN FIRE RATED WALL ASSEMBLIES AND RETURN AIR PLENUMS SHALL BE SERVICE-WEIGHT CAST IRON WITH SPIGOT FITTINGS OR HUBLESS SOIL PIPE COUPLINGS AS MANUFACTURED BY MISSION (HW), HUSKEY OR CLAMPALL (125# OF TORQUE).

BELOW GRADE:

SCHEDULE 40 PVC OR SERVICE WEIGHT CAST IRON WITH HUB AND SPIGOT FITTINGS OR HUBLESS SOIL PIPE COUPLINGS AS MANUFACTURED BY MISSION (HW), HUSKEY OR CLAMPALL (125# OF TORQUE).

PROVIDE CLEANOUTS EVERY 75 FEET, AT CHANGES IN DIRECTION, AT BASE OF DOWNSPOUTS AND AT BASE OF SOIL AND WASTE STACKS.

SHOCK ARRESTOR: MIFAB, SIOUX CHIEF OR EQUAL

WALL CLEANOUT: MIFAB, ZURN, JONESPEC, JOSAM OR EQUAL

FLOOR CLEANOUT: MIFAB, ZURN, JONESPEC, JOSAM OR EQUAL

VENTS SHALL BE EXTENDED TO EXTERIOR OF BUILDING. AIR ADMITTANCE VALVES ARE NOT ACCEPTABLE.

HANGERS AND SUPPORTS:

PROVIDE ALL NECESSARY PIPE SUPPORTS, HANGER RODS, CLAMPS AND ATTACHMENTS TO PROPERLY INSTALL AND SUPPORT PIPING AND EQUIPMENT FROM THE BUILDING STRUCTURE.

PROVIDE ANY ANGLE IRON OR UNISTRUT AND SUSPENSION RODS REQUIRED TO INSTALL EQUIPMENT, PIPING AND DUCTWORK.

ALL SUPPORTS EXPOSED TO OUTDOORS SHALL BE CLEANED, PRIMED AND PAINTED TO PREVENT RUSTING. FINISH COLOR AS SELECTED BY OWNER.

THE USE OF BALING WIRE OR PERFORATED METAL STRAPPING IS NOT ACCEPTABLE FOR SUPPORTS.

WARRANTY/GUARANTEE:

THE CONTRACTOR SHALL WARRANTY/GUARANTEE AND MAINTAIN THE STABILITY OF WORK AND MATERIALS AND KEEP SAME IN PERFECT REPAIR AND CONDITION FOR THE ENTIRE DURATION OF PROJECT.

DEFECTS OF ANY KIND DUE TO FAULTY WORK OR MATERIALS APPEARING DURING THE ABOVE MENTIONED PERIOD MUST BE IMMEDIATELY MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE ENTIRE SATISFACTION OF THE OWNER AND ARCHITECT AND ENGINEER. SUCH RECONSTRUCTION AND REPAIRS SHALL INCLUDE ALL DAMAGE TO THE FINISH OR FURNISHING OF THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIRS THERETO.

SYSTEM IDENTIFICATION:

PROVIDE IDENTIFICATION LABELS ON OR NEAR EACH PIECE OF MAJOR EQUIPMENT AND EACH OPERATIONAL DEVICE AND DISCONNECT. THE LABELS SHALL BE CONSTRUCTED OF ENGRAVED PLASTIC LAMINATE SIGN OR PLASTIC EQUIPMENT MARKER PERMANENTLY SECURED TO EQUIPMENT. THE LETTERING SHALL BE A MINIMUM OF 1/2 INCH HIGH FOR EQUIPMENT NAME AND 3/8 INCH FOR EQUIPMENT INFORMATION.

ALL VALVES SHALL BE TAGGED USING PLASTIC LAMINATE TAGS AND SECURED WITH CRASS CHAINS. THE TAGS SHALL INDICATE THE VALVE SIZE, SERVICE AND FUNCTION (IE. 2" CW., MAIN SERVICE SHUTOFF).

CLEANING, TESTING AND ADJUSTING:

THE PLUMBING CONTRACTOR, AT HIS EXPENSE, SHALL CLEAN, REPAIR, ADJUST, CHECK, BALANCE, AND PLACE IN SERVICE THE VARIOUS SYSTEMS HEREIN SPECIFIED WITH THEIR RESPECTIVE EQUIPMENT, ACCESSORIES AND PIPING. HE SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS REQUIRED TO PERFORM TESTS REQUIRED BY THESE SPECIFICATIONS AND BY THE GOVERNING AUTHORITIES.

NO WORK SHALL BE COVERED OR CONCEALED UNTIL PROPERLY INSPECTED AND TESTED.

TESTING:

ALL DOMESTIC WATER PIPING SYSTEMS SHALL BE TESTED FOR ABSOLUTE TIGHTNESS BY SUBJECTING THE SYSTEM TO HYDROSTATIC PRESSURE OF 150 PSI GAUGE OR 50 PSI OVER WORKING PRESSURE, WHICHEVER IS HIGHER FOR A PERIOD OF NOT LESS THAN EIGHT (8) HOURS. ALL LEAKS SHALL BE REPAIRED AND THE HYDROSTATIC TEST REAPPLIED UNTIL, FOR AN EIGHT (8) HOUR PERIOD, NO LEAKS CAN BE FOUND WHILE THE SYSTEM IS SUBJECT TO THE TEST PRESSURE.

SOIL, VENT PIPES AND CONDENSATE DRAINS SHALL BE TESTED BY TEMPORARILY PLUGGING ALL OUTLETS AND FILLING THE SYSTEM WITH WATER TO THE LEVEL OF THE HIGHEST VENT STACK. THE SYSTEM MUST BE INSPECTED AND ALL LEAKS REPAIRED AND THE TEST REPEATED UNTIL THE WATER LEVEL DOES NOT DECREASE FOR A PERIOD OF 24 HOURS.

INSULATE ALL CONDENSATE PIPE.

IN LIEU OF FIBERGLASS INSULATION SPECIFIED ABOVE THE CONTRACTOR HAS THE OPTION TO USE AN EQUAL THICKNESS OF FLEXIBLE CLOSED-FOAM INSULATION (ARMAFLEX AP) OR EQUAL WITH SELF SEAL SEAMS. INSULATION TO BE RATED FOR USE IN RETURN AIR PLENUM (FLAME SPREAD RATING OF 25 OR LESS AND SMOKE DEVELOPED RATING OF 50 OR LESS PER ASTM E-84).

CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ADEQUATE AND PROPER INSULATION AND MOISTURE-SEAL IN A MANNER THAT WILL PERMANENTLY PREVENT THE ACCUMULATION OF ANY OBJECTIONABLE MOISTURE ON THE EXTERIOR CONDENSATE DRAIN OR STORM WATER PIPING, OR OTHER PARTS OF THE SYSTEM. CONTRACTOR SHALL CORRECT THE CAUSE OF ANY CONDENSATION AND WITHOUT COST TO THE OWNER, ANY DAMAGES TO BUILDING SURFACES, FURNISHINGS OR EQUIPMENT CAUSED BY CONDENSATION FROM THIS SYSTEM, FOR THE FULL PERIOD OF THE GUARANTEE.

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT

ELECTRIC WATER HEATER SCHEDULE

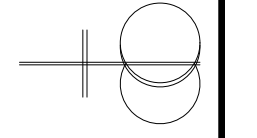
MARK	MAKE & MODEL NO.	TANK CAP./ GAL.	KW	VOLTS/PH	RECOVERY GPH @ 100° F	THERM EFF	DIMS. HX DIA OR HX WXD	REMARKS
EWH-1	A.O.SMITH PROMAX ECT-30	30	4.5	240/1	21	98%	46.5X18"Ø	
EWH-2	EEMAX SP3012	NA	3	120/1	NA	98%		POINT OF USE

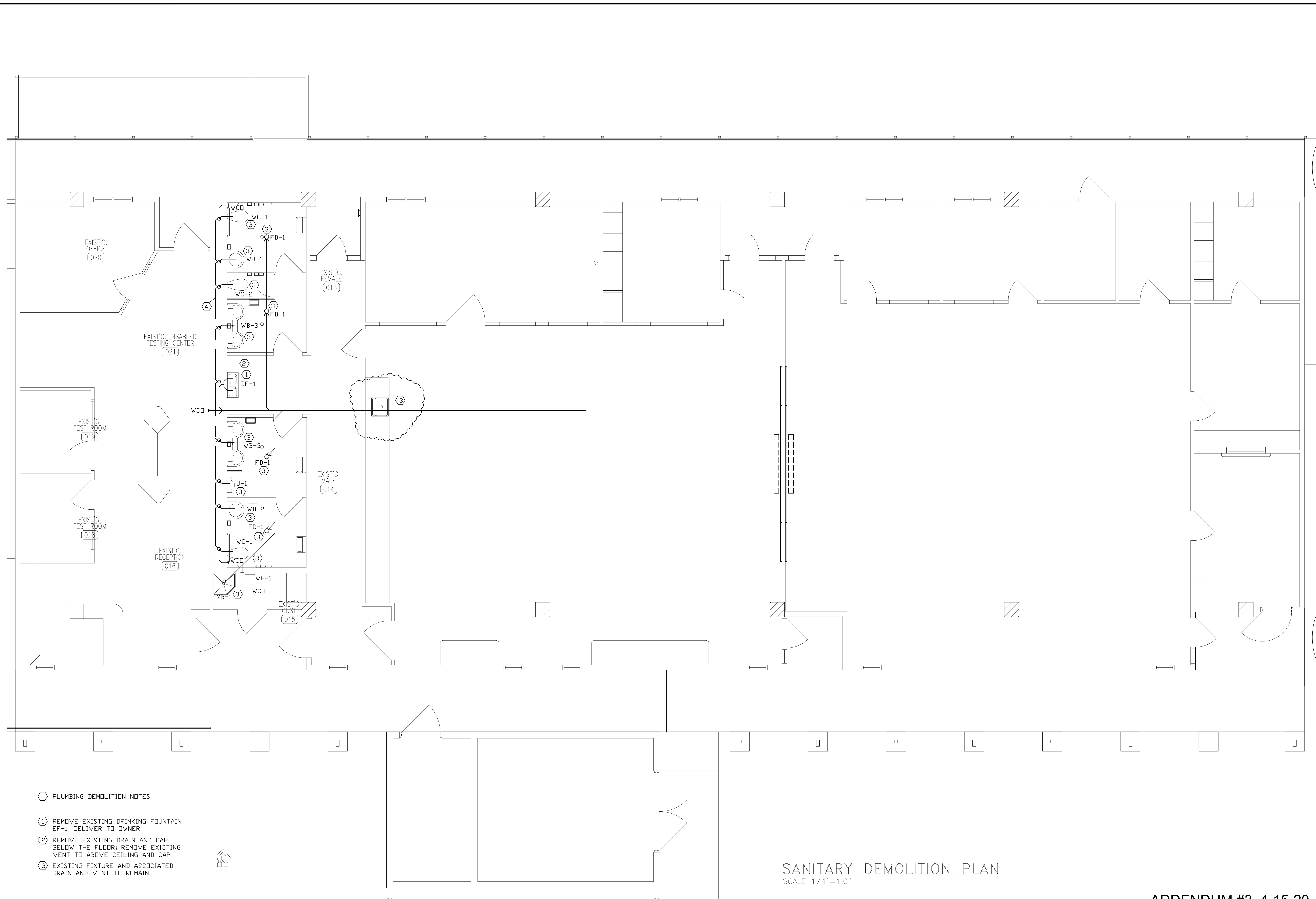
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	FITTINGS OR VALVES	SUPPLIES	TRAP	MOUNTING	ACCESSORIES	COLD	HOT	WASTE	VENT	REMARKS
L-1	HANDICAP LAVATORY	AMERICAN STANDARD	ROXALYN 0195.073	AM STD MONTERREY WIDE SPREAD COMM BATHROOM FAUCET 6540.175	BRASS CRAFT OCR1912AZ	CHROME BRASS	WALL BRACKET	GOOSENECK FAUCET WITH WRIST BLADES GRID STRAINER	1/2"	CAP	1 1/4"	1 1/4"	SUPPLY W/TRAP INSULATION KIT
S-1	SINK	DAYTON	D125213	AM STD MONTERREY WIDE SPREAD COMM BATHROOM FAUCET 6540.175	BRASS CRAFT OCR1912AZ	CHROME BRASS	COUNTER DROP-IN	BASKET STRAINER	1/2"	1/2"	1 1/2"	1 1/2"	SINK ADA COMPLIANT WHEN PROPERLY INSTALLED BOWL 21X15.75X6.375 OVERALL 25X21.25X6.9"16 3 HOLE PUNCHING.
EWH	WATER HEATER	LOCHINVAR	ETA040KK	HEAT TAPS & SHUTOFF VALVE					3/4"	3/4"			VALVE
EWC	WATER COOLER	OASIS	PG8SBF PG8AC W/ WATER FILLER	BRASS SUPPLY & STOPS	BRASS CRAFT OCR1912AZ	INTEGRAL	WALL MTD		1/2"		1 1/4"	1 1/4"	ADA COMPLIANT, SEE ARCH ELEV.

WATER HAMMER ARRESTOR

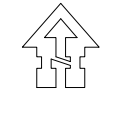
SYMBOL	PIPE SIZE	PDI STANDARD	FIXTURE UNIT CAP TO 11
	3/4"	B	12 TO
	1"	C	33 TO
	1-1/4"	D	60 TO 113





○ PLUMBING DEMOLITION NOTES

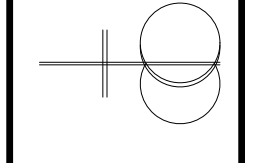
- ① REMOVE EXISTING DRINKING FOUNTAIN EF-1, DELIVER TO OWNER
- ② REMOVE EXISTING DRAIN AND CAP BELOW THE FLOOR; REMOVE EXISTING VENT TO ABOVE CEILING AND CAP
- ③ EXISTING FIXTURE AND ASSOCIATED DRAIN AND VENT TO REMAIN



SANITARY DEMOLITION PLAN
SCALE 1/4"=1'0"

ADDENDUM #3 4-15-20
CONTRACT DOCUMENTS

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MECHANICAL • ELECTRICAL • CONSULTING ENGINEERS
P.O. BOX 577 • HIGH SPRINGS, FLORIDA • PH 386-454-3748 • FAX 386-454-2652
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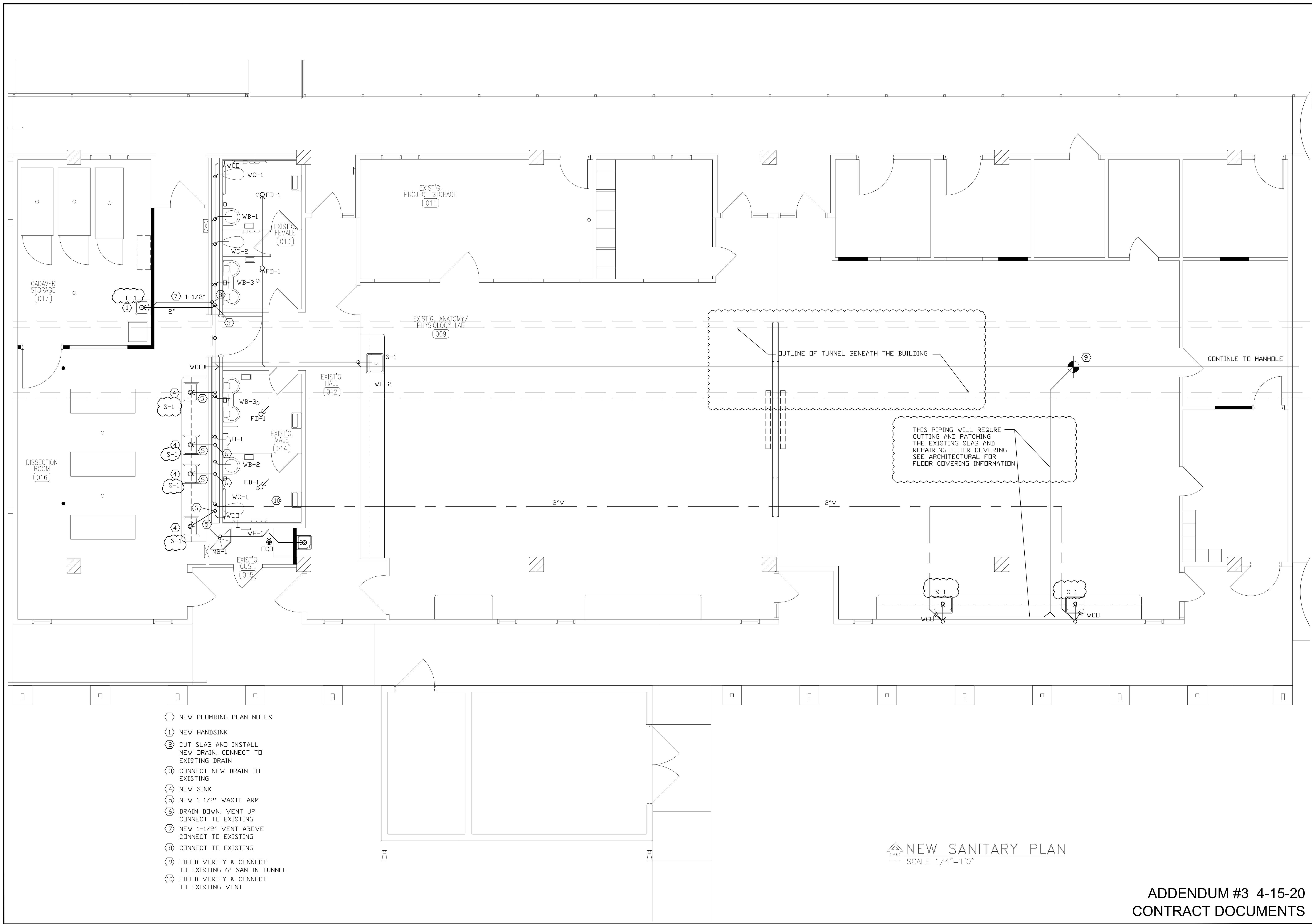


FLORIDA GATEWAY COLLEGE BLDG 17
WELCOME CENTER RENOVATIONS
LAKE CITY, FLORIDA

COBURN, R. RESERVES
FLORIDA LICENSE
ENR. 57706667
HIGH SPRINGS, FLORIDA
PH 386-454-3748
RICHARD E. COBURN, PE
CA JOB NO. 1995

DATE
3/30/20
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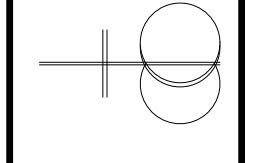


- NEW PLUMBING PLAN NOTES
- ① NEW HANDSINK
 - ② CUT SLAB AND INSTALL NEW DRAIN, CONNECT TO EXISTING DRAIN
 - ③ CONNECT NEW DRAIN TO EXISTING
 - ④ NEW SINK
 - ⑤ NEW 1-1/2" WASTE ARM
 - ⑥ DRAIN DOWN; VENT UP CONNECT TO EXISTING
 - ⑦ NEW 1-1/2" VENT ABOVE CONNECT TO EXISTING
 - ⑧ CONNECT TO EXISTING
 - ⑨ FIELD VERIFY & CONNECT TO EXISTING 6" SAN IN TUNNEL
 - ⑩ FIELD VERIFY & CONNECT TO EXISTING VENT

NEW SANITARY PLAN
SCALE 1/4"=1'0"

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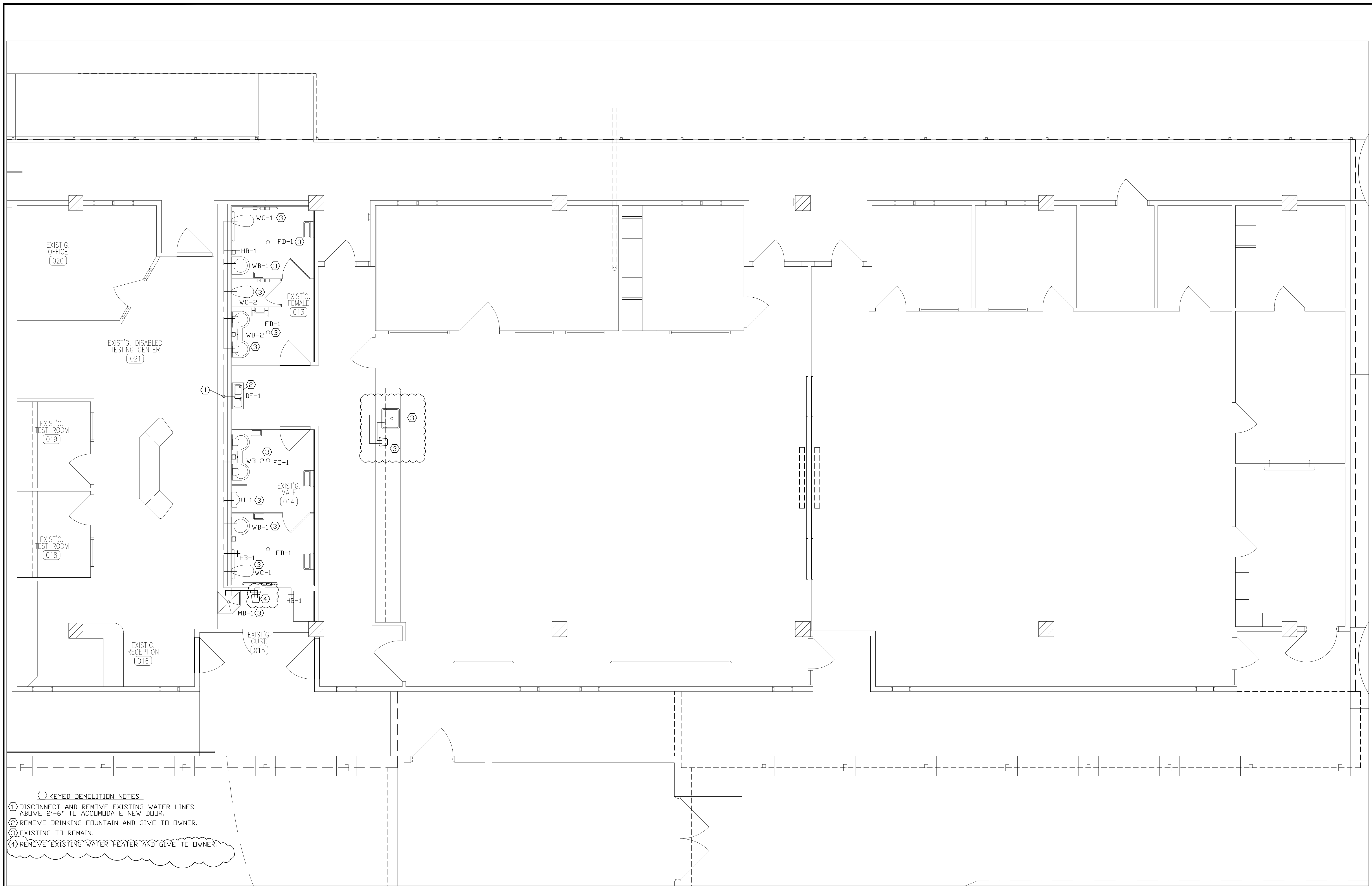
FLORIDA GATEWAY COLLEGE BLDG 17
WELCOME CENTER RENOVATIONS
LAKE CITY, FLORIDA

COBURN & ASSOCIATES
FLORIDA LICENSED
ENR P.L. NO. 577-0687
HIGH SPRINGS, FLORIDA
PH 386-454-3748
RICHARD E. COBURN, PE
CA JOB NO. 1905

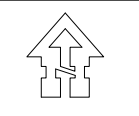
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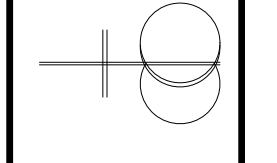
- KEYED DEMOLITION NOTES
- ① DISCONNECT AND REMOVE EXISTING WATER LINES ABOVE 2'-6" TO ACCOMMODATE NEW DOOR.
 - ② REMOVE DRINKING FOUNTAIN AND GIVE TO OWNER.
 - ③ EXISTING TO REMAIN.
 - ④ REMOVE EXISTING WATER HEATER AND GIVE TO OWNER.



WATER SUPPLY DEMOLITION PLAN
SCALE 1/4"=1'0"

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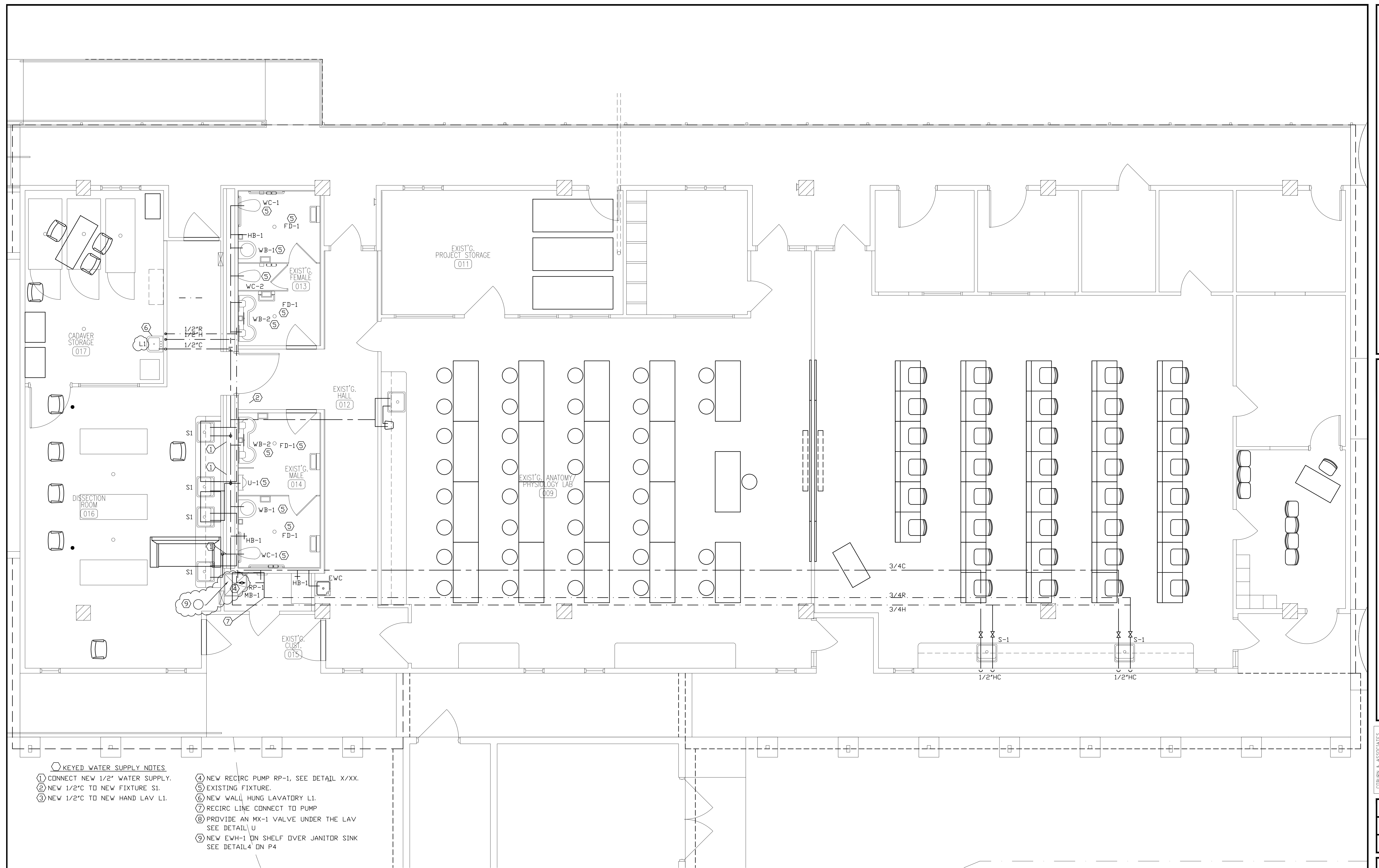
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LAKE CITY, FLORIDA

COBURN & ASSOCIATES
FLORIDA LICENSED
ENR P.L. NO. 57706687
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PH 386-454-3748
RICHARD E. COBURN, PE
CA JOB NO. 1905

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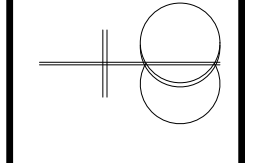


KEYED WATER SUPPLY NOTES.

- ① CONNECT NEW 1/2" WATER SUPPLY.
- ② NEW 1/2"C TO NEW FIXTURE S1.
- ③ NEW 1/2"C TO NEW HAND LAV L1.
- ④ NEW RECIRC PUMP RP-1, SEE DETAIL X/XX.
- ⑤ EXISTING FIXTURE.
- ⑥ NEW WALL HUNG LAVATORY L1.
- ⑦ RECIRC LINE CONNECT TO PUMP
- ⑧ PROVIDE AN MX-1 VALVE UNDER THE LAV SEE DETAIL U
- ⑨ NEW EVH-1 ON SHELF OVER JANITOR SINK SEE DETAIL 4 ON P4

NEW WATER SUPPLY PLAN
SCALE 1/4"=1'0"

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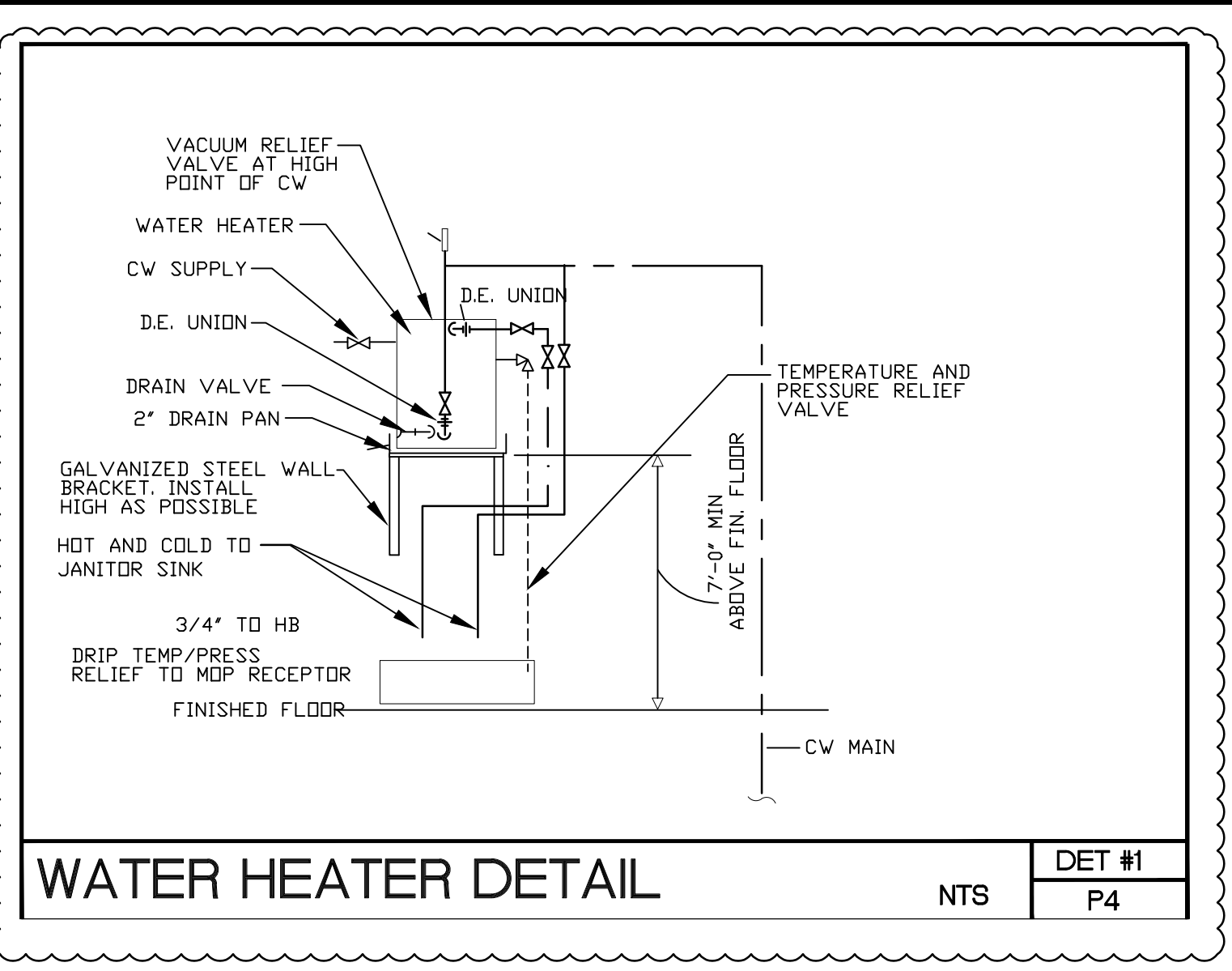
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LAKE CITY, FLORIDA

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ENR P.L. 386-577-06687
HIGH SPRINGS, FLORIDA
PH 386-454-3748
RICHARD E. COBURN, P.E.
CA JOB NO. 1905

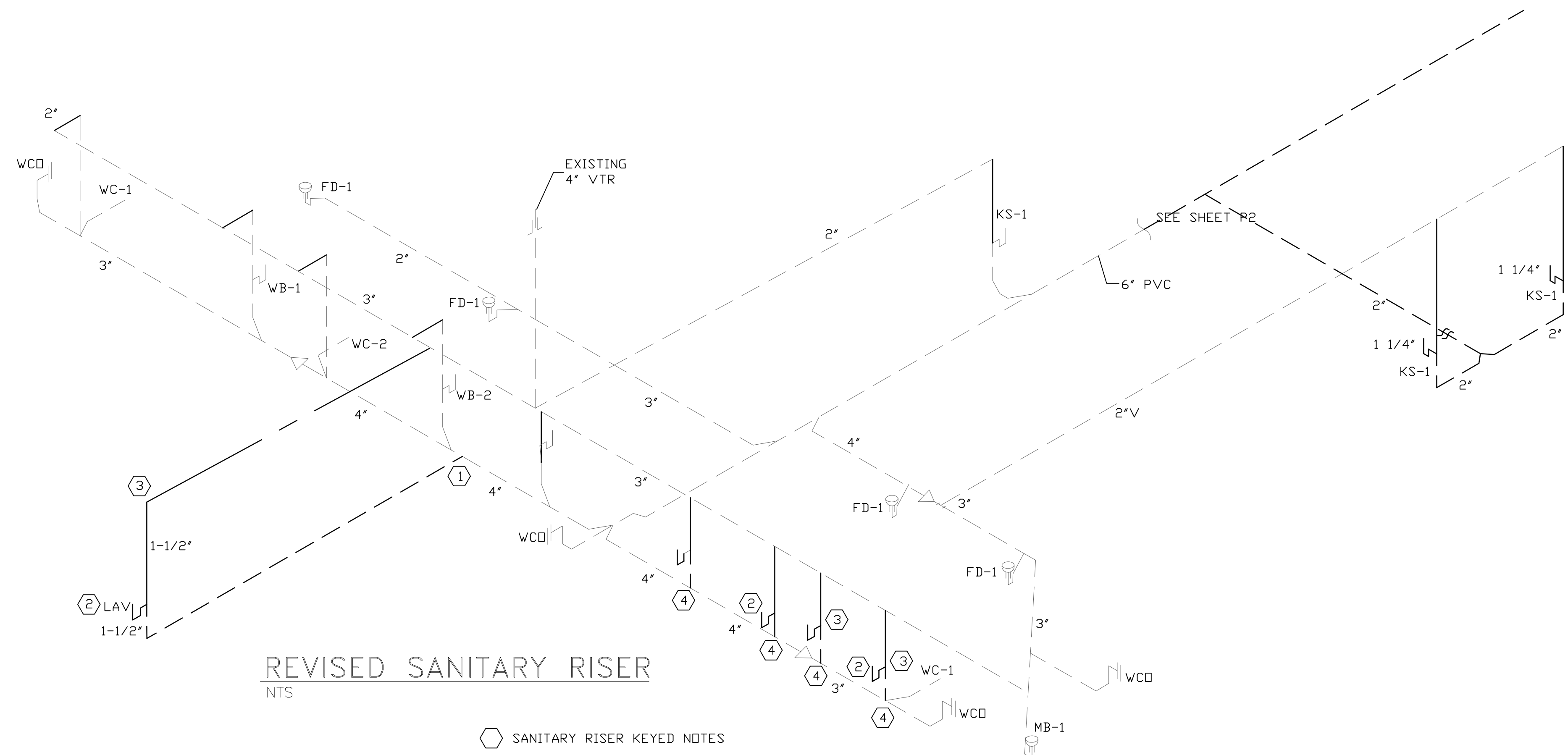
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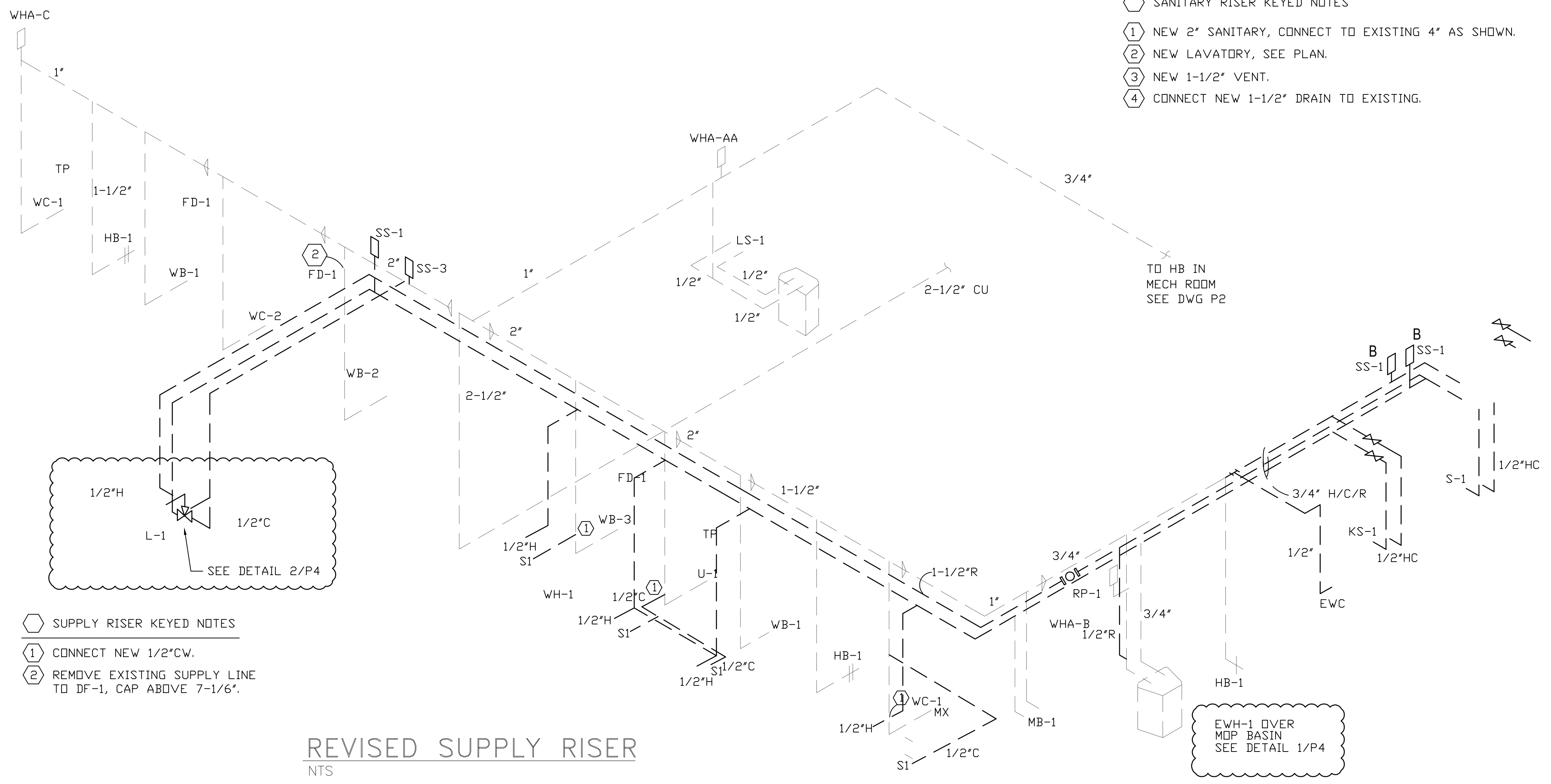


WATER HEATER DETAIL
 NTS
 DET #1
 P4



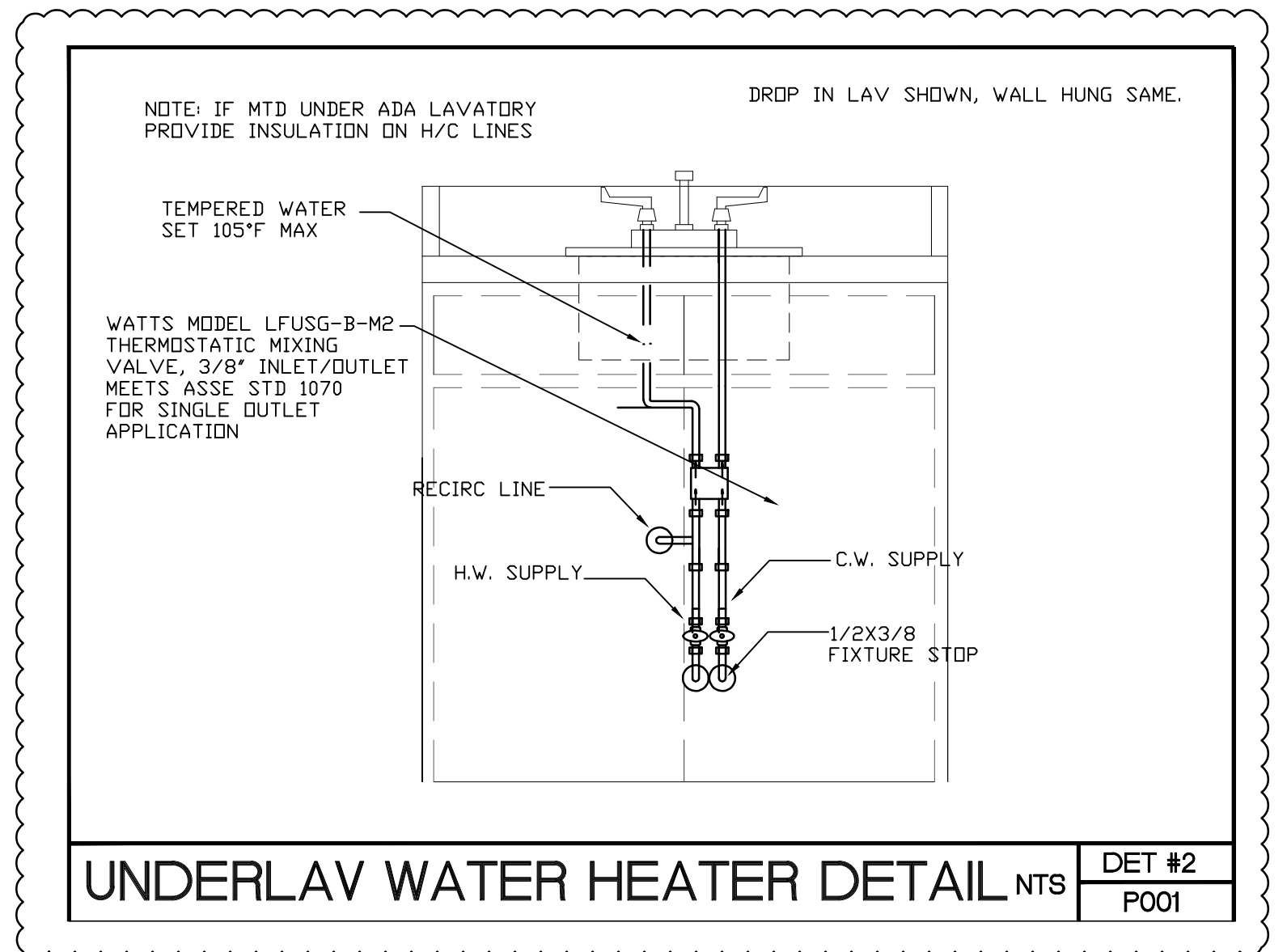
REVISED SANITARY RISER
 NTS

- SANITARY RISER KEYED NOTES
- ① NEW 2" SANITARY, CONNECT TO EXISTING 4" AS SHOWN.
 - ② NEW LAVATORY, SEE PLAN.
 - ③ NEW 1-1/2" VENT.
 - ④ CONNECT NEW 1-1/2" DRAIN TO EXISTING.



- SUPPLY RISER KEYED NOTES
- ① CONNECT NEW 1/2" CW.
 - ② REMOVE EXISTING SUPPLY LINE TO DF-1, CAP ABOVE 7-1/6\".

REVISED SUPPLY RISER
 NTS



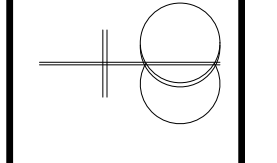
UNDERLAV WATER HEATER DETAIL NTS
 DET #2
 P001

WATER HAMMER ARRESTOR

SYMBOL	PIPE SIZE	PDI STANDARD	FIXTURE UNIT CAP.
⚡	1/2"	A	1 TO 11
	3/4"	B	12 TO 32
	1"	C	33 TO 60
	1-1/4"	D	61 TO 113

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FLORIDA GATEWAY COLLEGE BLDG 17
 WELCOME CENTER RENOVATIONS
 LAKE CITY, FLORIDA

COBURN, A. RESERVE/PCS
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 RICHARD E. COBURN PE
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