



**WILLIAMSON COUNTY, TEXAS**

FACILITIES DEPARTMENT  
 3101 SE Inner Loop  
 Georgetown, TX 78626  
 512-943-1609

**CHANGE ORDER**

For Project: **WILLIAMSON COUNTY JAIL KITCHEN & PLUMBING REMODEL**  
 Date of Issuance: 7/10/2018  
 Contractor: STR Constructors, LTD.  
 Project Engineer: Talex, Inc.

Change Order No: **10**  
 PID: \_\_\_\_\_

**Explanation:**

This change order is due to the following:  
 PCO #37r1 - SPT Kitchen Credit & Addt Connection

Description of Work:	Cost
See attached PCO # 37r1	\$ 74,103.15
Weather Days -	
<b>Sub-Total CO #8</b>	<b>\$ 74,103.15</b>

Additional Time	
KITCHEN AREA	OVERALL PROJECT
0 Days	0 Days
0 Days	0 Days
0 Days	0 Days
0 Days	0 Days
0 Days	0 Days
0 Days	0 Days
	0 Days
<b>0 Days</b>	<b>0 Days</b>

Please Refer to Attached Backup Documents:

**Cost and Time Change Summary**

	Cost
<b>Original Contract:</b>	<b>\$ 1,781,645.00</b>
Previous Change Order(s):	\$ 472,095.29
Contract Prior to this CO:	\$ 2,253,740.29
Net Increase from this CO:	\$ 74,103.15
<b>Revised Contract Total:</b>	<b>\$ 2,327,843.44</b>

Additional Time	
KITCHEN AREA	OVERALL PROJECT
<b>120 Days</b>	<b>180 Days</b>
35 Days	69 Days
155 Days	252 Days
0 Days	0 Days
<b>155 Days</b>	<b>252 Days</b>

**RECOMMENDED BY:**

  
 Contractor Signature\*

\_\_\_\_\_  
 Engineer Signature

TR Kennedy  
 Contractor Name

Oscar Villarreal, P.E.  
 Engineer Name

  
 Signature Date

\_\_\_\_\_  
 Signature Date

**ACCEPTED BY:**

\_\_\_\_\_  
 Owner Signature

Dale Bulter, FacI Dir  
 Owners' Rep Name

\_\_\_\_\_  
 Signature Date

\*By Signing this change order the Contractor accepts the changes herein and agrees to perform the change(s) for the price and time indicated. The prices include all costs to perform the work.  
 No work shall be done until this change order is executed. No payment to the Contractor (or Consultant) shall be made for work included in this Change Order until Contractor's pay estimate is updated.  
 In case of conflict between construction documents and this change order, this change order shall govern.  
 Upon execution of this Change Order by all parties, the identified time and cost changes herein are made part of the contract documents.





# CHANGE ORDER

PROJECT:	WILCO Prison 508 South Rock Street Georgetown, TX 78626	CHANGE ORDER NUMBER:	6
		BID #	17-2648
		DATE:	7/5/2018
		CONTRACT DATE:	10/27/2017
CONTRACTOR:	Specialized Pipe Technologies 226 Field End Street Sarasota, florida 34240	OWNER:	STR Constructors 15500 Hwy 29 West Liberty Hill, TX 78642

### Change Order includes the following:

- 1 To delete the First Floor Kitchen Area due to Water Tempatures exceeding the limitations of the approved Nu Flow Nu Line epoxy barrier coating technology (\$8,315.00)

Kitchen Credit

Total (\$8,315.00)

**Not valid until signed by Owner and Contractor.**

The original Contract Sum  
 Net change by Change Order #5  
 The Contract Sum prior to this Change Order was  
 The Contract Sum will be increased by this Change Order in the amount of  
 The Contract Sum including this Change Order

The Contract Time will be increased by   10   days.

<u>Specialized Pipe Technologies</u>	<u>STR Constructors, LTD</u>
CONTRACTOR	OWNER
<u>226 Field End Street</u>	<u>15500 Hwy 29 West</u>
ADDRESS	ADDRESS
<u>Sarasota, FL 34240</u>	<u>Liberty Hill, TX 78642</u>
<u>By Bill Konkol</u>	<u>BY</u>
<u>DATE: 03/14/18</u>	<u>DATE</u>



# CHANGE ORDER

PROJECT:	WILCO Prison 508 South Rock Street Georgetown, TX 78626	CHANGE ORDER NUMBER:	5
		BID #	17-2648
		DATE:	6/7/2018
		CONTRACT DATE:	10/27/2017
CONTRACTOR:	Specialized Pipe Technologies 226 Field End Street Sarasota, florida 34240	OWNER:	STR Constructors 15500 Hwy 29 West Liberty Hill, TX 78642

### Change Order includes the following:

1	To provide an additional (167) Connections of Pipe Rehabilitation using the approved Nu Flow Nu Line epoxy barrier coating technology	\$73,480.00
	Material	20,541.00
	Labor	24,716.00
	Per Diem & Travel	16,032.00
	Overhead & Profit	12,191.00

Total	\$73,480.00
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### Not valid until signed by Owner and Contractor.

The original Contract Sum  
 Net change by Change Order #5  
 The Contract Sum prior to this Change Order was  
 The Contract Sum will be increased by this Change Order in the amount of  
 The Contract Sum including this Change Order

The Contract Time will be increased by   10   days.

Specialized Pipe Technologies	STR Constructors, LTD
CONTRACTOR	OWNER
226 Field End Street	15500 Hwy 29 West
ADDRESS	ADDRESS
Sarasota, FL 34240	Liberty Hill, TX 78642
By Bill Konkol	BY
DATE: 03/14/18	DATE

## Tom Stanfield

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**From:** Rudy Rudisill <RudyR@sptpipe.com>  
**Sent:** Thursday, July 05, 2018 11:30 AM  
**To:** 'Tom Stanfield'  
**Cc:** Bill Konkol; Scott Rogers  
**Subject:** Wilco Jail  
**Attachments:** Wilco Jail As Build 20180630.pdf; Wilco Jail Pre bid quantity take off estimates 20180630.pdf; WILCO Change Order 6.xls

Tom,

*Per the attached drawings we ended up shooting (735) connections over and above the (568) connections anticipated and listed in our original proposal. Connections are defined as locations where the epoxy is to be applied through/to and can vary depending on layout, system remodels, valve locations, diameter changes, distances and are dependent on-site and environmental conditions.*

*As you are aware our Nu Line “red” epoxy barrier coating system, while resilient post completion, is a very technical system to install and environmentally sensitive during the application process. Every project and every system is different, it is near impossible to inspect every inch of the system prior to application, construction plans and as-built documents are rarely accurate and there are unknown factors that could dictate cost, duration, and quality and that’s why we always list out the quantity of connections counts that were included in the estimate/proposal.*

*Some of the factors of the environment that can impact the project is the humidity, dew point, the environmental temperature, length of the run, and the layout of the system. Once we get on-site and verify the actual system and the environmental conditions that we are shooting within can lead to additional connections we need to shoot so we can provide full coverage within the existing piping system and ensure that the coated sections of pipe meet our quality standards. This is the reason the actual connections counts vary from the connections counts submitted in our proposal.*

*I have also included the credit for the first floor kitchen area on the attached change order #6.*

*If you need to discuss further please do not hesitate to contact me.*

Thanks,  
Rudy

As-Bid Takeoff Info

DATE: 7/03/2018

PURPOSE: Wilco ORIGINAL  
Conn. Count  
(Bid take off estimates)

CUE COLUMN

NOTES

RISERS — 0 conn.

3RD FLOOR 210

2nd FLOOR 270

1st FLOOR 88 conn.

TOTAL = 568 conn.

SUMMARY

**KEYED NOTES:**

- ① PROVIDE INTERNAL EPOXY PIPE LINER FOR ALL DOMESTIC COLD WATER, HOT WATER, SUPPLY AND RETURN PIPING SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING BUILDING WATER SYSTEM PRIOR TO BID. LINER SHALL BE SIMILAR TO WU LINE EPOXY COATING MANUFACTURED BY NEW LEWIS OR ENGINEER APPROVED EQUAL.
- ② PROVIDE 1/2" INLINE THERMOSTATIC STAINLESS STEEL AUTOMATIC FLOW CONTROL VALVE AT START OF EACH HOT WATER RETURN LINE. VALVE SHALL BE SELF-CONTAINED AND FULLY AUTOMATIC WITHOUT ADDITIONAL PIPING OR CONTROL MECHANISMS. PROVIDE CIRCUIT SOLVER VALVES AS MANUFACTURED BY THERMO-GAITECH OR ENGINEER APPROVED EQUAL. VALVE SHALL BE ADJUSTABLE FROM 100°F TO 140°F. VALVE SHALL BE NSF CERTIFIED. ALLOW FOR A TOTAL OF 50 VALVES TO BE INSTALLED. (NOTE: PROVIDE AN INSTALLED UNIT PRICE FOR ADDITIONAL VALVES AS REQUIRED.)

55 Conn →

55 Conn  
Restrooms

33 Conn  
Kitchen

88 Connection

Kitchen  
33  
Conn

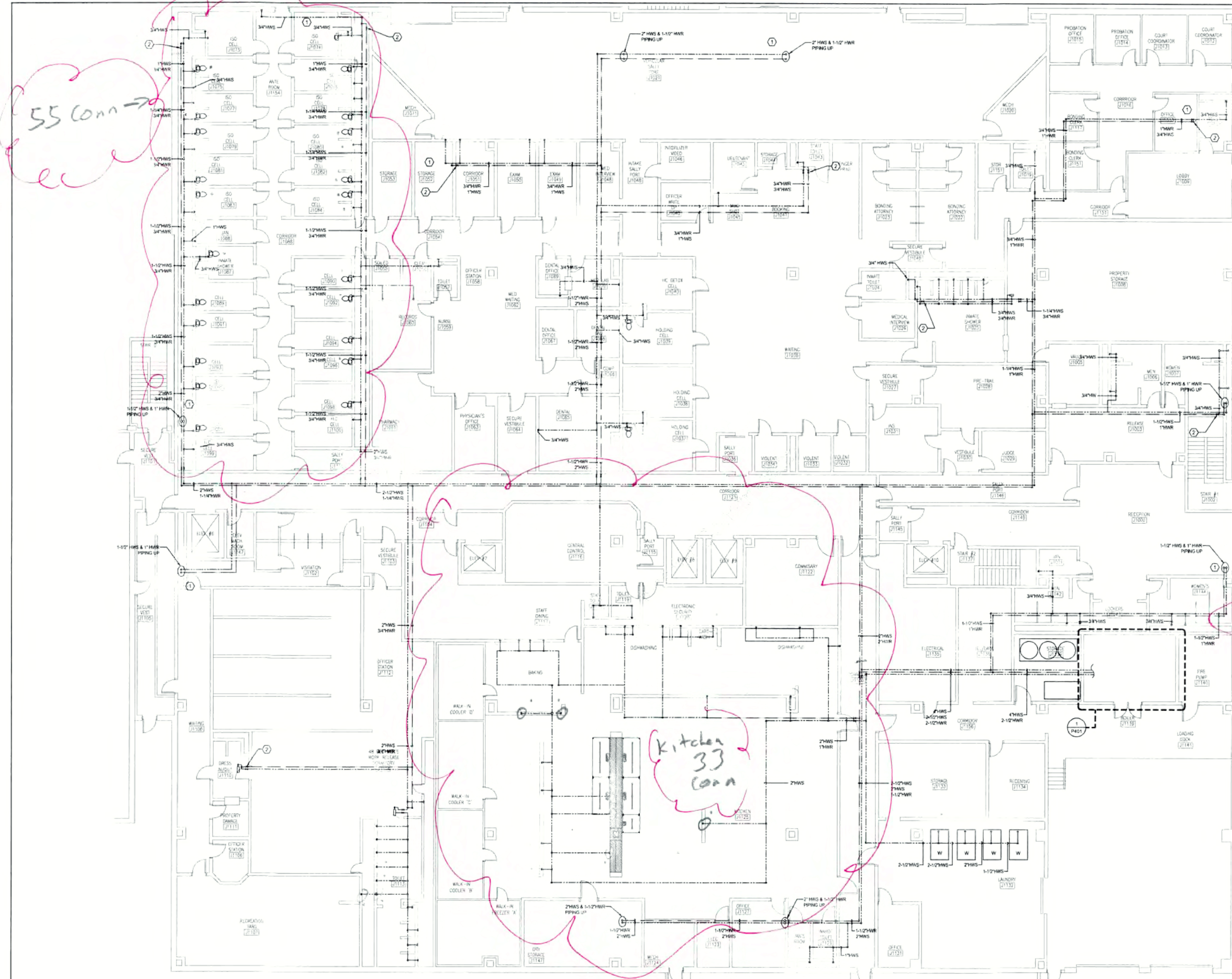
**WILLIAMSON COUNTY  
 JAIL RENOVATION**  
 306 W. 4TH STREET  
 GEORGETOWN, TX 78626

MARK	DATE	DESCRIPTION

PROJECT NO:  
 DRAWN BY: SR  
 DESIGNED BY: OV  
 CHECKED BY: TA

SHEET TITLE  
**PLUMBING WATER PLAN  
 FIRST FLOOR**

**P101**  
 SHEET





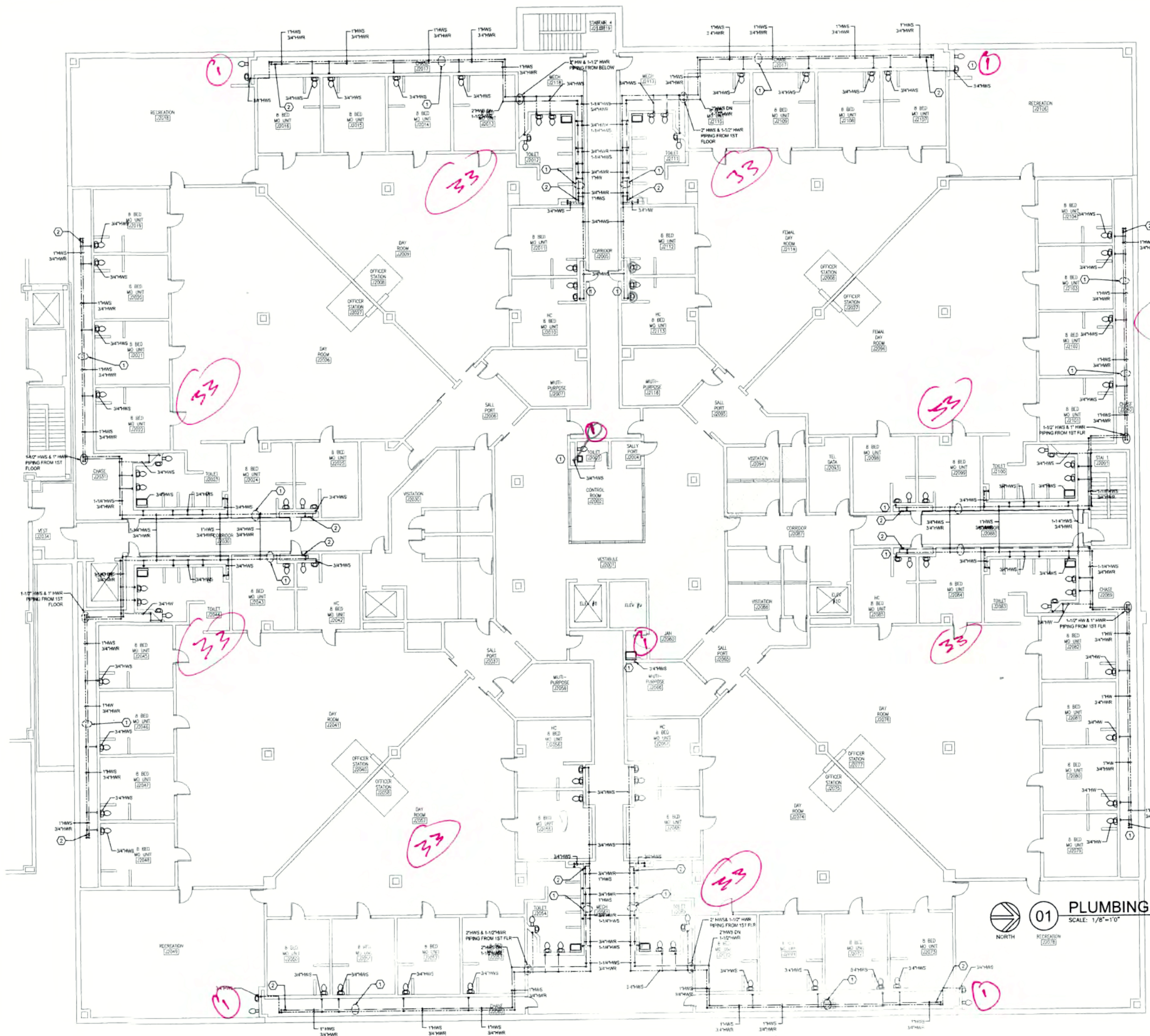
**WILLIAMSON COUNTY  
 JAIL RENOVATION**  
 306 W. 4TH STREET  
 GEORGETOWN, TX 78626

MARK	DATE	DESCRIPTION

PROJECT NO.	SR
DESIGNED BY	OV
CHECKED BY	

SHEET TITLE  
**PLUMBING  
 WATER PLAN  
 SECOND FLOOR**

**P102**



**KEYED NOTES:**

- 1 PROVIDE INTERNAL EPOXY PIPE LINER FOR ALL DOMESTIC COLD WATER, HOT WATER SUPPLY AND RETURN PIPING SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING BUILDING WATER SYSTEM PRIOR TO BID. LINER SHALL BE SIMILAR TO N-LINE EPOXY COATING MANUFACTURED BY NALCO, OR ENGINEER APPROVED EQUAL.
- 2 PROVIDE 1/2" IN-LINE THERMOSTATIC STAINLESS STEEL AUTOMATIC FLOW CONTROL VALVE AT START OF EACH HOT WATER RETURN. INFL VALVE SHALL BE SELF CONTAINING AND FULLY AUTOMATIC WITHOUT ADDITIONAL PIPING OR CONTROL MECHANISMS. PROVIDE CIRCUIT SOLVER APPROVED EQUAL. VALVE SHALL BE ADJUSTABLE FROM KIP TO HSP. VALVE SHALL BE NSF CERTIFIED. ALLOW FOR A TOTAL OF 30 VALVE-HOBS TO BE CALLED. (NOTE: PROVIDE AN UNLIMITED UNIT PRICE FOR ADDITIONAL VALVES AS REQUIRED.)

270 Connection  
 Pods

33 / Pod = 264

6 @ misc = 6

270

**01 PLUMBING WATER PLAN SECOND FLOOR**  
 SCALE: 1/8"=1'-0"





**WILLIAMSON COUNTY  
 JAIL RENOVATION**  
 306 W. 4TH STREET  
 GEORGETOWN, TX 78626

MARK	DATE	DESCRIPTION

PROJECT NO: \_\_\_\_\_  
 DRAWN BY: SR  
 DESIGNED BY: DV  
 CHECKED BY: ?

SHEET TITLE:  
**PLUMBING WATER PLAN THIRD FLOOR**

**P103**  
 SHEET

**KEYED NOTES:**

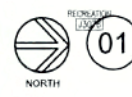
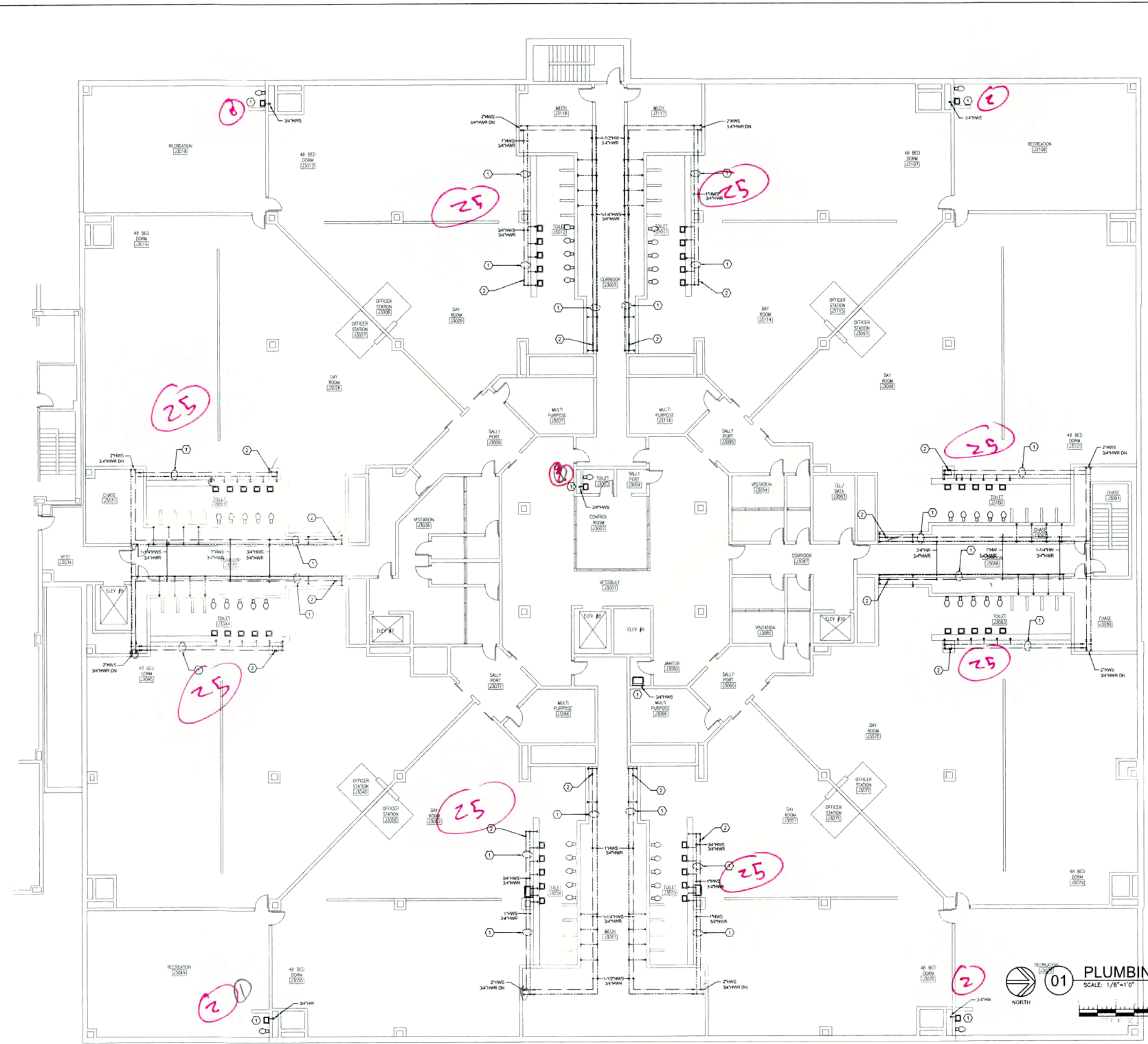
- 1 PROVIDE INTERNAL EPOXY PIPE LINER FOR ALL DOMESTIC COLD WATER HOT WATER SUPPLY AND RETURN PIPING SHOWN ON PLAN. CONTRACTOR SHALL VERIFY EXISTING BUILDING WATER SYSTEM PRIOR TO BID. LINER SHALL BE SIMILAR TO NU LINE EPOXY COATING MANUFACTURED BY NU-FLOW OR ENGINEER APPROVED EQUI.
- 2 PROVIDE 1/2" IN-LINE THERMOSTATIC STAINLESS STEEL AUTOMATIC FLOW CONTROL VALVE AT START OF EACH HOT WATER RETURN LINE. VALVE SHALL BE SELF CONTAINED AND FULLY AUTOMATIC WITHOUT ADDITIONAL TRIMS OR CONTROL MECHANISMS. PROVIDE CIRCUIT SOLVER VALVES AS MANUFACTURED BY THERMO-ONE/TECH OR ENGINEER APPROVED EQUI. VALVE SHALL BE ADJUSTABLE FROM 105° TO 145°. (VALVE SHALL BE NSF CERTIFIED) ALLOW FOR A TOTAL OF 80 VALVE TO BE INSTALLED. (NOTE: PROVIDE AN INSTALLED UNIT PRICE FOR ADDITIONAL VALVES AS REQUIRED.)

*210 Connection Pods*

*25 / Pod = 200*

*10 misc = 10*

*210*



01

**PLUMBING WATER PLAN THIRD FLOOR**

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



Final As-built Info

DATE 07/03/2018

PURPOSE Wilco Connection Count

CUE COLUMN

NOTES

RISERS — 8 sets x 12 connections each = 96 connections

3RD floor — 8 pods x 22 connections ea. = 176 connections

4 Rec Rooms x 1 conn. ea = 4 conn.

2nd floor — M, L, H, I x 4 pods @ 31 conn. = 124 conn.

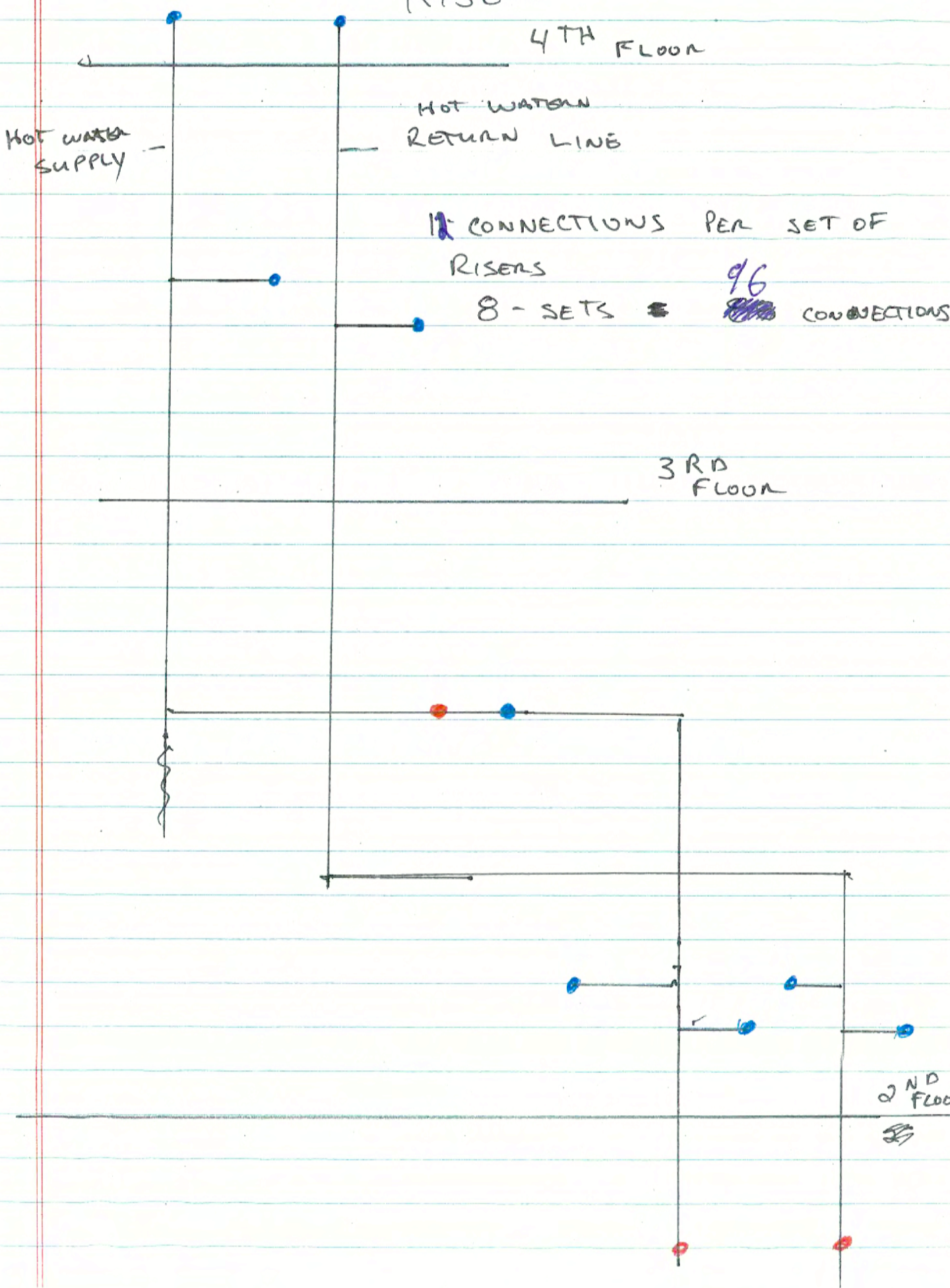
G, N, K, J x 4 pods @ 30 conn. = 120 conn.

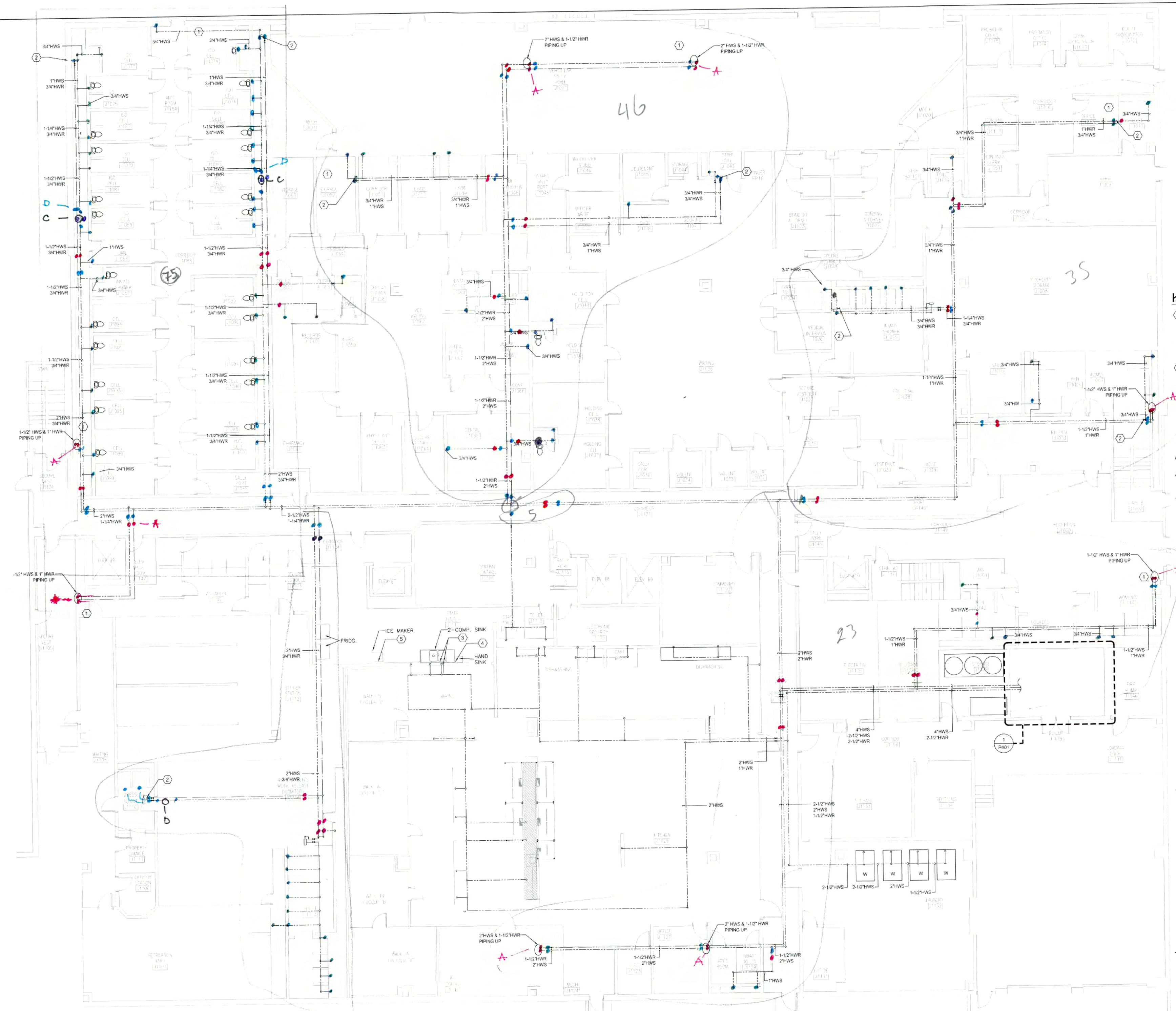
1st floor — All AREAS = 211 conn

TOTAL

735

# RISER





**KEYED NOTES:**

- 1 PROVIDE INTERNAL EPOXY PIPE LINER FOR ALL DOMESTIC HOT WATER SUPPLY AND RETURN PIPING SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING BUILDING WATER SYSTEM PRIOR TO BID. LINER SHALL BE SIMILAR TO PU LINE EPOXY COATING MANUFACTURED BY NSF-FLOW OR ENGINEER APPROVED EQUAL.
- 2 PROVIDE 1/2" IN LINE THERMOSTATIC STAINLESS STEEL AUTOMATIC FLOW CONTROL VALVE AT START OF EACH HOT WATER RETURN LINE. VALVE SHALL BE SELF CONTAINED AND FULLY AUTOMATIC WITHOUT ADDITIONAL PIPING OR CONTROL MECHANISMS. PROVIDE CIRCUIT SOLVER VALVES AS MANUFACTURED BY THERMOMEGA TECH OR ENGINEER APPROVED EQUAL. VALVE SHALL BE ADJUSTABLE FROM 105F TO 140F. VALVE SHALL BE NSF CERTIFIED (ALLOW FOR A TOTAL OF 50 VALVE TO BE INSTALLED (NOTES: PROVIDE AN INSTALLED UNIT PRICE FOR ADDITIONAL VALVES AS REQUIRED))
- 3 EXISTING HOT WATER SUPPLIES WITH STOPS TO REMAIN.
- 4 EXTEND 1/2" HOT WATER LINES FROM ADJACENT EXISTING WATER SUPPLIES AND MAKE CONNECTIONS TO NEW SINK FAUCET
- 5 EXTEND 1/2" COLD WATER LINE FROM ADJACENT EXISTING COLD WATER SUPPLY AND MAKE CONNECTION TO NEW ICE MAKER. PROVIDE 1/2" REDUCED PRESSURE ZONE BACKFLOW PREVENTER

A = EXITS FOR RISERS  
 ● = EXITS  
 B = INTAKE FOR RISERS  
 ● = INTAKE  
 C = MIXING VALVE  
 D = TEMP-GAUGE  
 -I- CONNECTION

205 TOTAL CONNECTIONS  
 NOT INCLUDING RISER EXITS

1ST = 217  
 2ND = 248  
 3RD = 180  
 RISERS = 96  
 TOTAL 735

MARK	DATE	CONSTRUCTION DOCS	DESCRIPTION

PROJECT NO:	SR
DRAWN BY:	OV
DESIGNED BY:	TA
CHECKED BY:	



**WALLACE GROUP, INC.**  
 ENGINEERS  
 ARCHITECTS  
 PLANNERS  
 SURVEYORS  
 WACO, TEXAS

**WILLIAMSON COUNTY  
 JAIL RENOVATION**  
 306 W. 4TH STREET  
 GEORGETOWN, TX 78626

MARK	DATE	CONSTRUCTION DOCS	DESCRIPTION
52217			

PROJECT NO:  
 DRAWN BY: SR  
 DESIGNED BY: OV  
 CHECKED BY: TA

SHEET TITLE  
**PLUMBING  
 WATER PLAN  
 SECOND FLOOR**

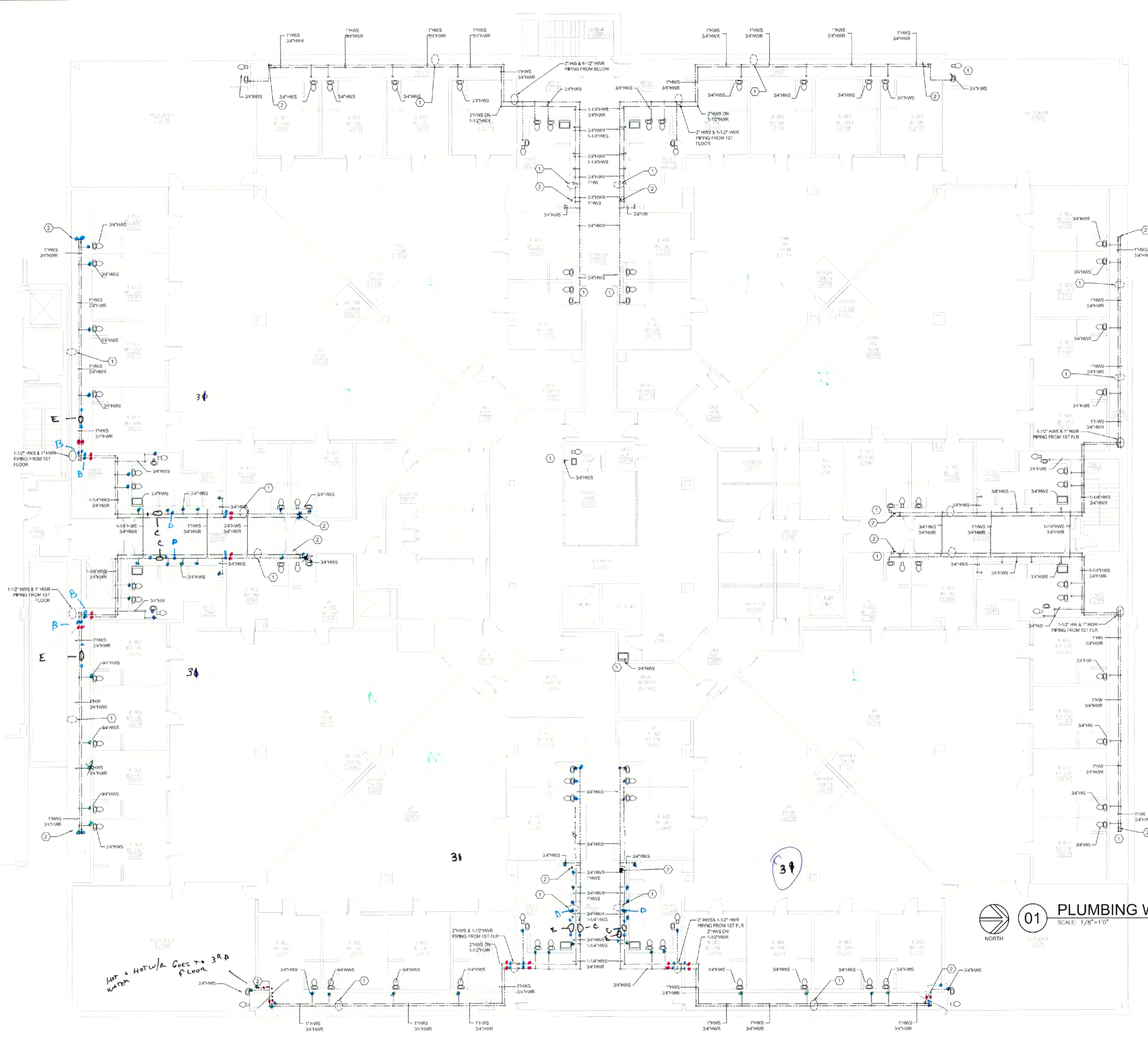
**P102**  
 SHEET

**KEYED NOTES:**

- PROVIDE INTERNAL EPOXY PIPE LINER FOR ALL DOMESTIC HOT WATER SUPPLY AND RETURN PIPING SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING BUILDING WATER SYSTEM PRIOR TO BID. LINER SHALL BE SIMILAR TO NU LINE EPOXY COATING MANUFACTURED BY NU FLOW OR ENGINEER APPROVED EQUAL.
- PROVIDE 1/2" IN. LINE, THERMOSTATIC STAINLESS STEEL AUTOMATIC FLOW CONTROL VALVE AT START OF EACH HOT WATER RETURN LINE. VALVE SHALL BE SELF CONTAINED AND FULLY AUTOMATIC WITHOUT ADDITIONAL PIPING OR CONTROL MECHANISMS. PROVIDE CIRCUIT SOLVER VALVES AS MANUFACTURED BY THERMO-Omega-TECH OR ENGINEER APPROVED EQUAL. VALVE SHALL BE ADJUSTABLE FROM 109F TO 140F. (VALVE SHALL BE NSF CERTIFIED) ALLOW FOR A TOTAL OF 50 VALVE TO BE INSTALLED. (NOTER: PROVIDE AN INSTALLED UNIT PRICE FOR ADDITIONAL VALVES AS REQUIRED.)

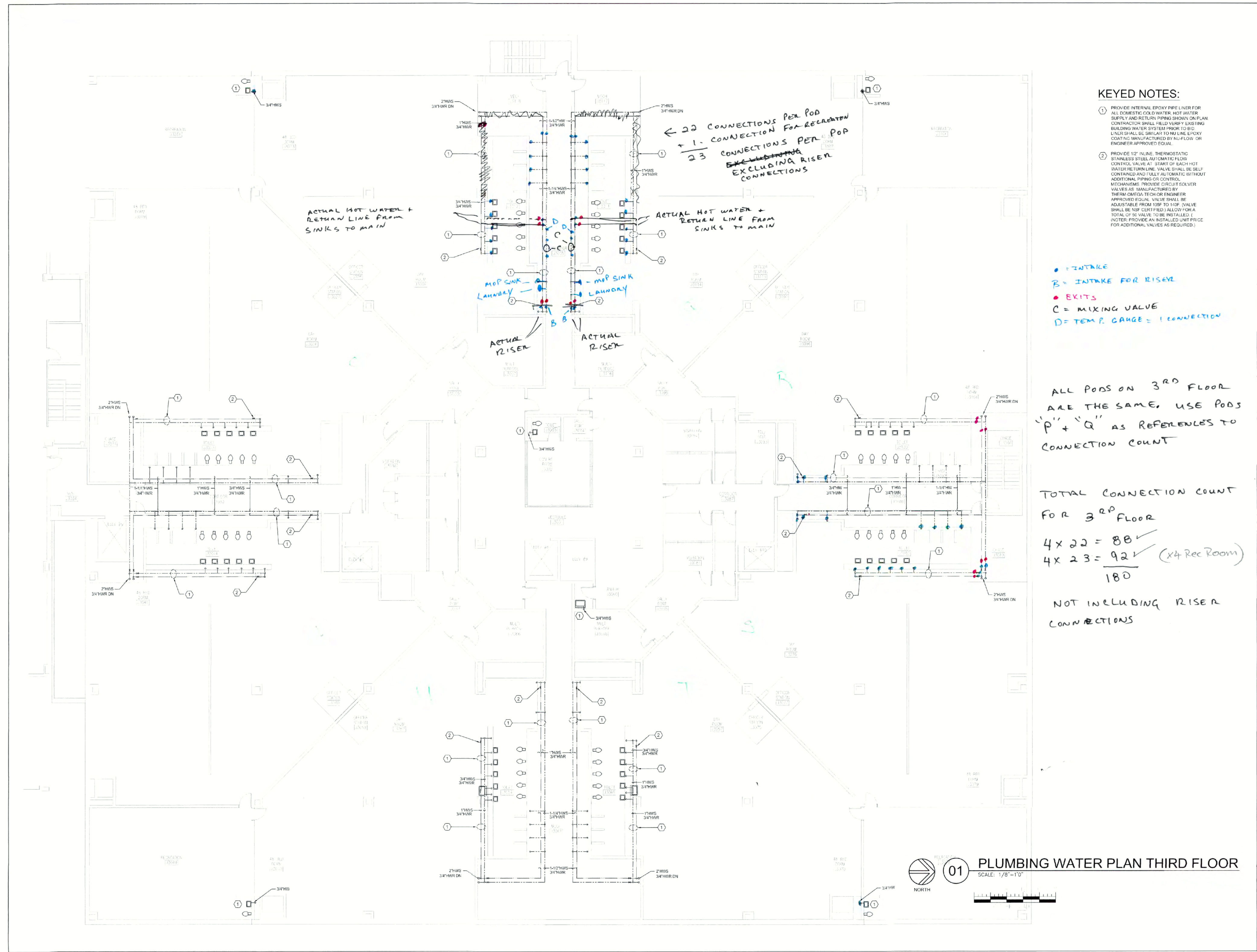
- = INTAKE
- B = INTAKE FOR RISERS
- C = MIXING VALVE
- = EXITS
- D = TEMP. GAUGE = 1 CONNECTION
- E = RECIRC. PUMP

PODS M + L + H + I HAVE SAME LAY OUT.  
 PODS M L L EACH HAVE 31 CONNECTIONS  
 TOTAL FOR PODS M + L + H + I = 124 CONNECTIONS  
 PODS G + N + K + J HAVE SAME LAY OUT.  
 PODS G + N EACH HAVE 31 CONNECTIONS  
 TOTAL FOR PODS G + N + K + J = 124 CONNECTIONS  
 SECOND FLOOR CONNECTIONS = 248  
 NOT INCLUDING RISER CONNECTIONS



Hot + Hot W/A Goes to 3rd Floor

**01 PLUMBING WATER PLAN SECOND FLOOR**  
 SCALE: 1/8"=1'-0"  
 NORTH



KEYED NOTES:

- ① PROVIDE INTERNAL EPOXY PIPE LINER FOR ALL DOMESTIC COLD WATER, HOT WATER SUPPLY AND RETURN PIPING SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY EXISTING BUILDING WATER SYSTEM PRIOR TO BID. LINER SHALL BE SIMILAR TO IN-LINE EPOXY COATING MANUFACTURED BY HI-FLOW OR ENGINEER APPROVED EQUAL.
- ② PROVIDE 1/2" IN-LINE THERMOSTATIC STAINLESS STEEL AUTOMATIC FLOW CONTROL VALVE AT START OF EACH HOT WATER RETURN LINE. VALVE SHALL BE SELF-CONTAINED AND FULLY AUTOMATIC WITHOUT ADDITIONAL PIPING OR CONTROLS. MECHANISMS PROVIDE CIRCUIT SOLVER VALVES AS MANUFACTURED BY THERM QUADE-TECH OR ENGINEER APPROVED EQUAL. VALVE SHALL BE ADJUSTABLE FROM 105F TO 140F. VALVE SHALL BE NSF (CERTIFIED) ALLOW FOR A TOTAL OF 50 VALVE TO BE INSTALLED (NOTICE: PROVIDE AN INSTALLED UNIT PRICE FOR ADDITIONAL VALVES AS REQUIRED.)

- = INTAKE
- B = INTAKE FOR RISER
- = EXITS
- D = TEMP. CHANGE = 1 CONNECTION

ALL PODS ON 3<sup>RD</sup> FLOOR ARE THE SAME, USE PODS "P" + "Q" AS REFERENCES TO CONNECTION COUNT

TOTAL CONNECTION COUNT FOR 3<sup>RD</sup> FLOOR

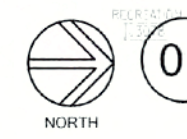
4x22 =	88 ✓
4x23 =	92 ✓ (x4 Rec Room)
	<hr/> 180

NOT INCLUDING RISER CONNECTIONS

MARK	DATE	CONSTRUCTION DOCS	DESCRIPTION
	5.22.17		

PROJECT NO:	
DESIGN BY:	SR
DESIGNED BY:	OV
CHECKED BY:	TA

SHEET TITLE  
**PLUMBING  
WATER PLAN  
THIRD FLOOR**



**PLUMBING WATER PLAN THIRD FLOOR**  
SCALE: 1/8"=1'-0"

