

PROJECT LOCATION

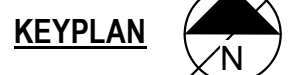
6701 EVANSTAD DR N
MAPLE GROVE, MN 55369

GENERAL NOTES

1. REFER TO P&ID LEAD SHEETS FOR SYMBOLS AND ABBREVIATIONS.
2. ALL AUTOMATED VALVES ARE TO BE FAIL-CLOSE UNLESS OTHERWISE INDICATED.
3. CONNECTION POINTS TO EQUIPMENT ARE SHOWN FOR REFERENCE ONLY.
4. PIPING AND DUCT TAKEOFFS ARE SHOWN SCHEMATICALLY. FOR ACTUAL TAKEOFF ORDER, SEE PLANS.

SHEET NOTES

1. SUPPLY AIR: VAV-XXXX (XXXX IS EQUAL TO ROOM NUMBER SERVED)
2. RETURN AIR: RAV-XXXX (XXXX IS EQUAL TO ROOM NUMBER SERVED)
3. EXHAUST AIR: EAV-XXXX (XXXX IS EQUAL TO ROOM NUMBER SERVED)
4. ALL RETURN AIR AND EXHAUST AIR ROOM GRILLES HAVE A 2" MERV 8 FILTER
5. ALL RETURN AIR AND EXHAUST AIR VALVES HAVE A MERV 13 FILTER BOX BEFORE THE VALVE
6. SPACE TEMPERATURE TRANSMITTERS ARE TO BE LOCATED IN THE RETURN AIR DUCT JUST BEYOND THE MERV 8 FILTER
7. HALF TONE PIDS REPRESENT PHASE TWO SPACE



CLIENT

UPSHER-SMITH

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CONSULTING ENGINEER

Horwitz

7400 49th AVENUE NORTH
NEW HOPE, MN 55428
(763) 533-1900
www.horwitzinc.com

PROJECT TITLE

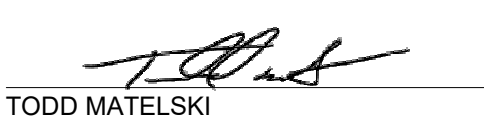
PROJECT KEYSTONE - PHASE 1

REV	BY	DATE	DESCRIPTION
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4	RS	05/25/22	AS RECORDED
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LICENSEE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.


TODD MATELSKI
Date 05/25/22 LIC NO 50819

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PROJ. NO.	2022.1720	DESIGNED BY:	BB
SCALE:	12" = 1'-0"	CHECKED BY:	RS
SHEET SIZE:	30x42	APPROVED BY:	TM

DRAWING TITLE

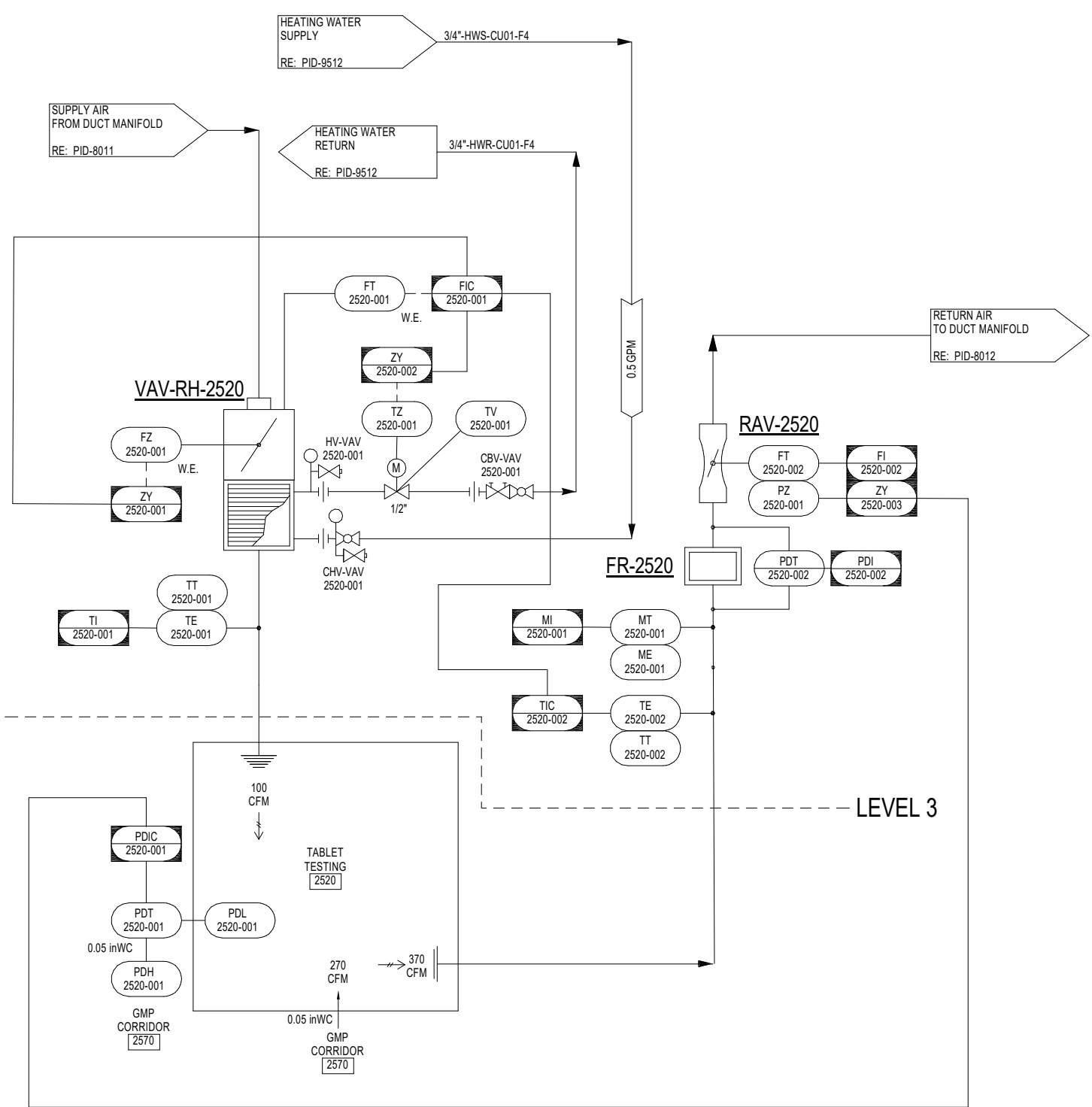
SPACE AIR DISTRIBUTION P&ID

DRAWING NUMBER

PID-8413

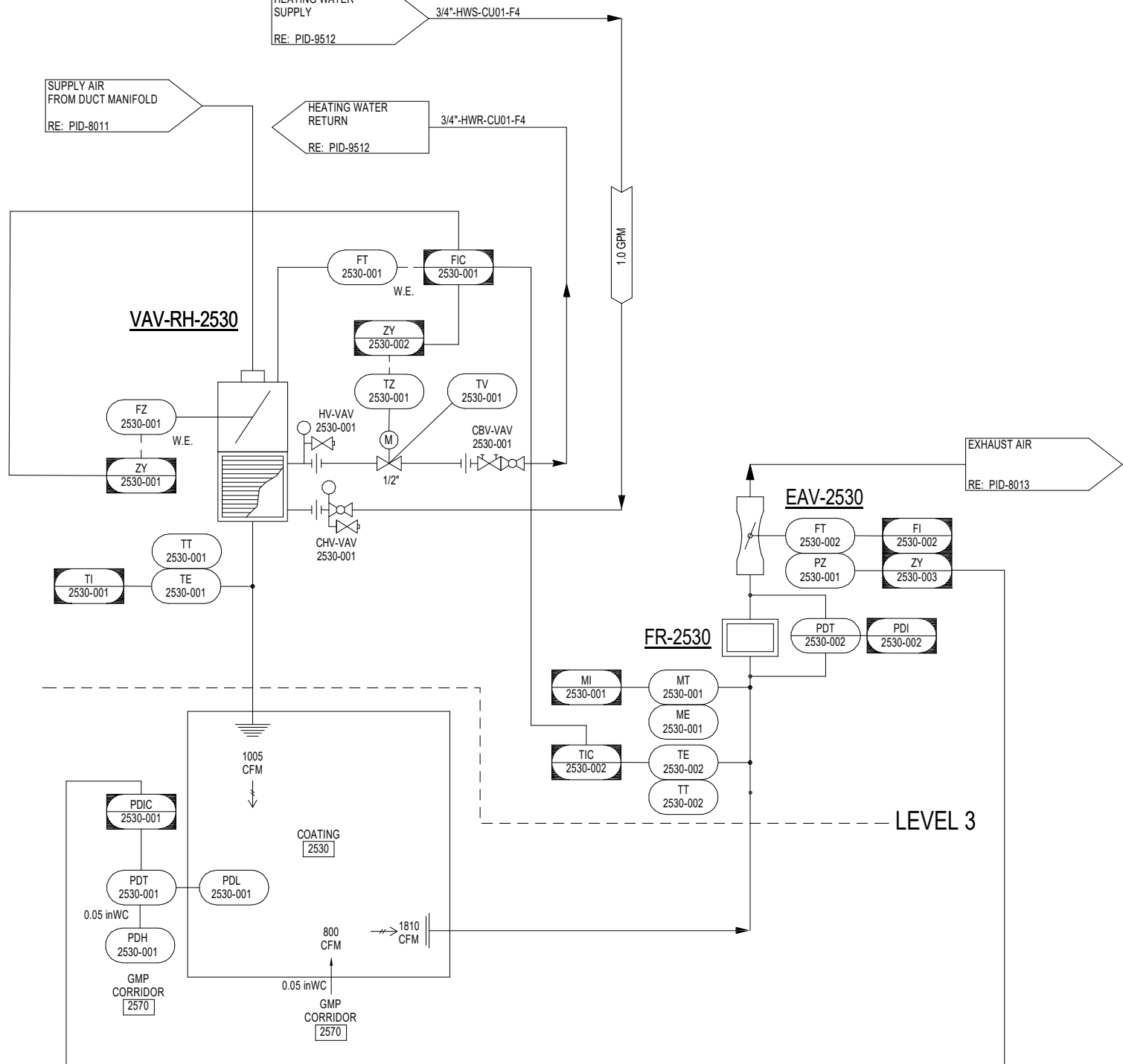
2520 TABLET TESTING

VAV WITH REHEAT: RAV, RPH, ZN-T AND ZN-H ON RETURN AIR. JC DWG NO. 15-1



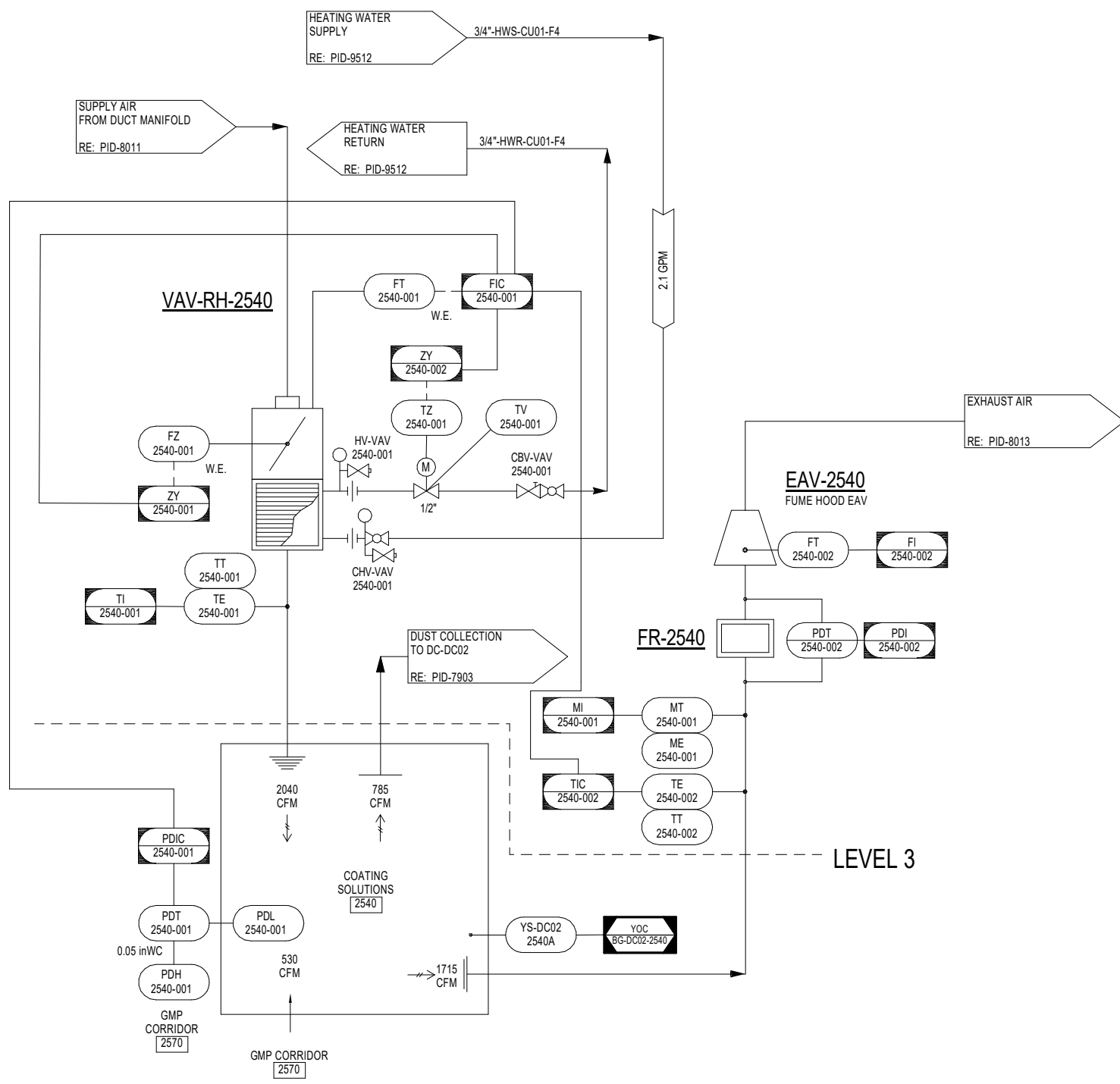
2530 COATING

VAV WITH REHEAT: EAV, RPH, ZN-T AND ZN-H ON RETURN AIR. JC DWG NO. 22-1



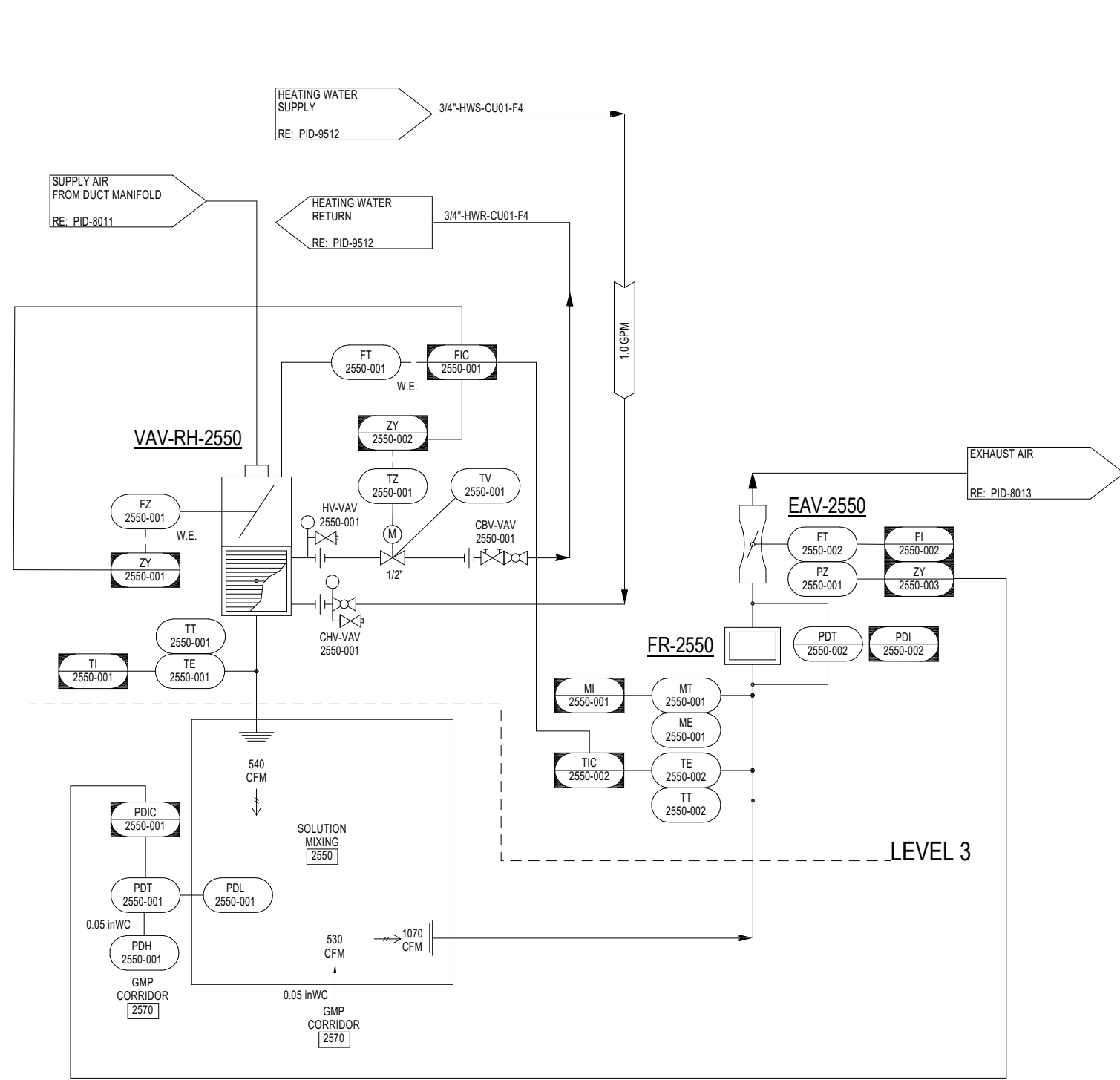
2540 COATING SOLUTIONS

VAV WITH REHEAT: EAV, RPH, ZN-T AND ZN-H ON RETURN AIR. VAV SELECTED ON JC DWG. 14-1 BUT THE LAYOUT MATCHES JC DWG. 25-1



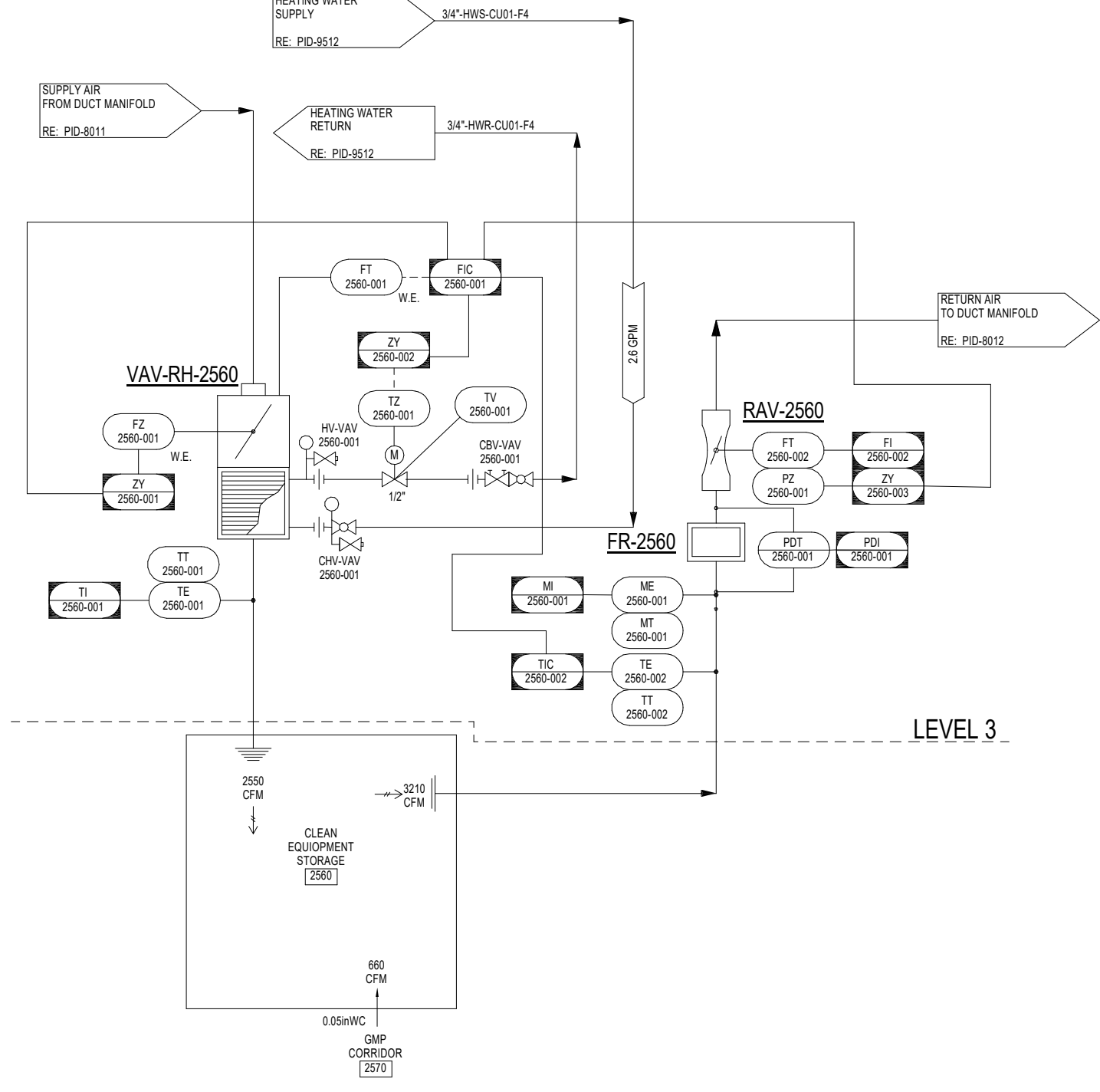
2550 SOLUTION MIXING

VAV WITH REHEAT: EAV, RPH, ZN-T AND ZN-H ON RETURN AIR. JC DWG NO. 22-1



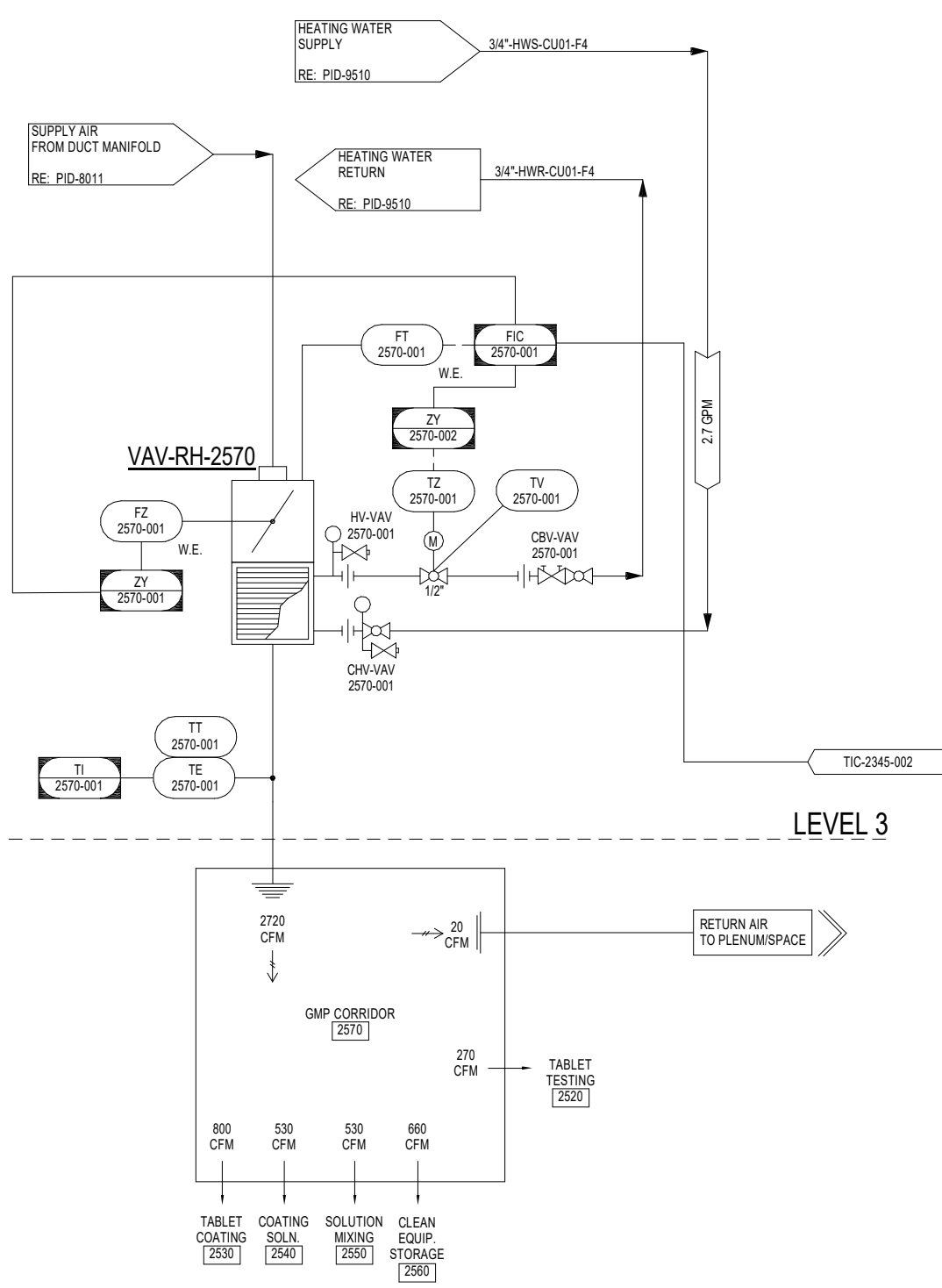
2560 CLEAN EQUIPMENT STORAGE

VAV WITH REHEAT: RAV, ZN-T AND ZN-H ON RETURN AIR. JC DWG NO. 15-1



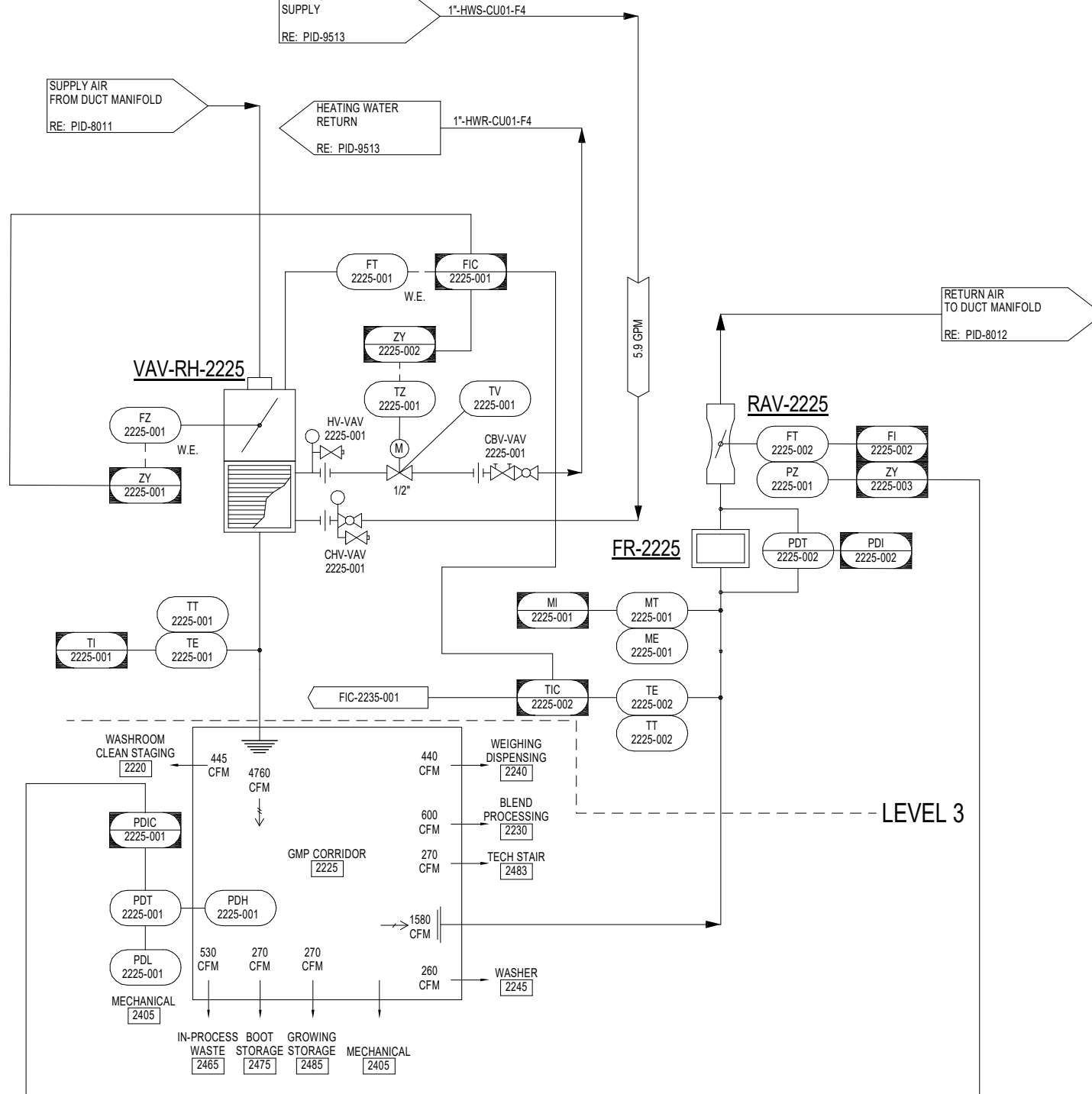
2570 GMP CORRIDOR

VAV WITH REHEAT: ZN-T AND ZN-H FROM NETWORK STAT. JC DWG NO. 12-1

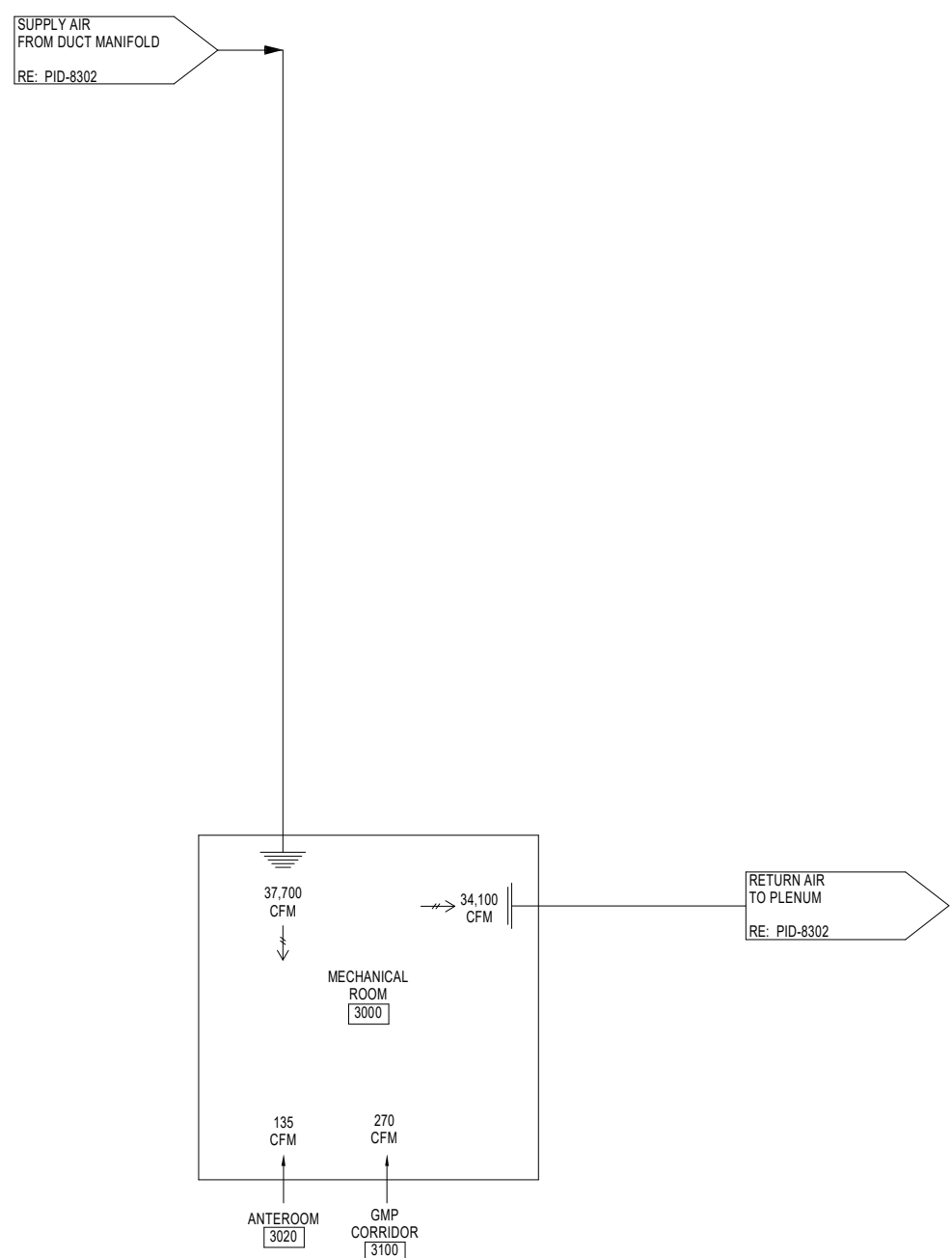


2225 GMP CORRIDOR

VAV WITH REHEAT: RAV, ZN-T AND ZN-H ON RETURN AIR. JC DWG NO. 19-1

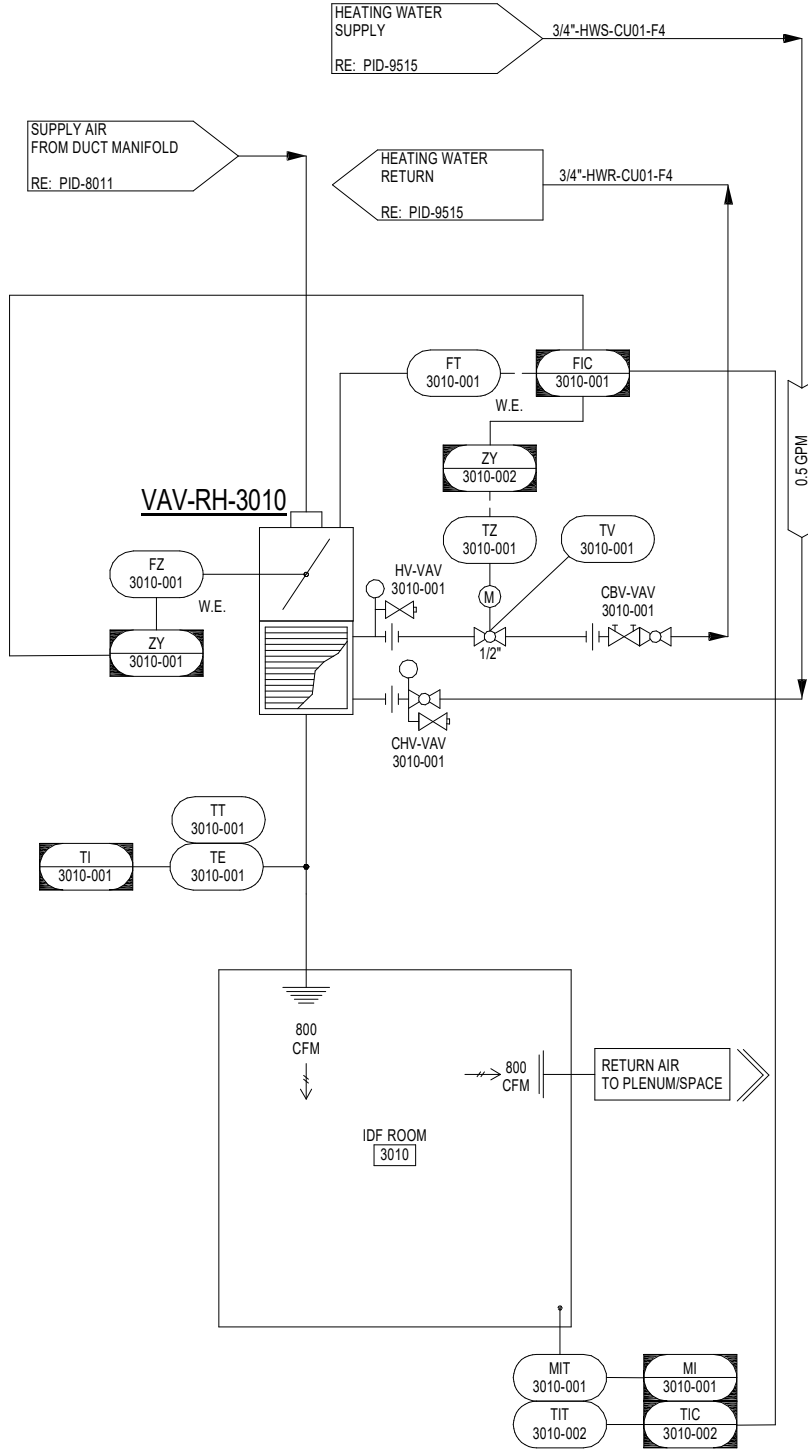


3000 MECHANICAL



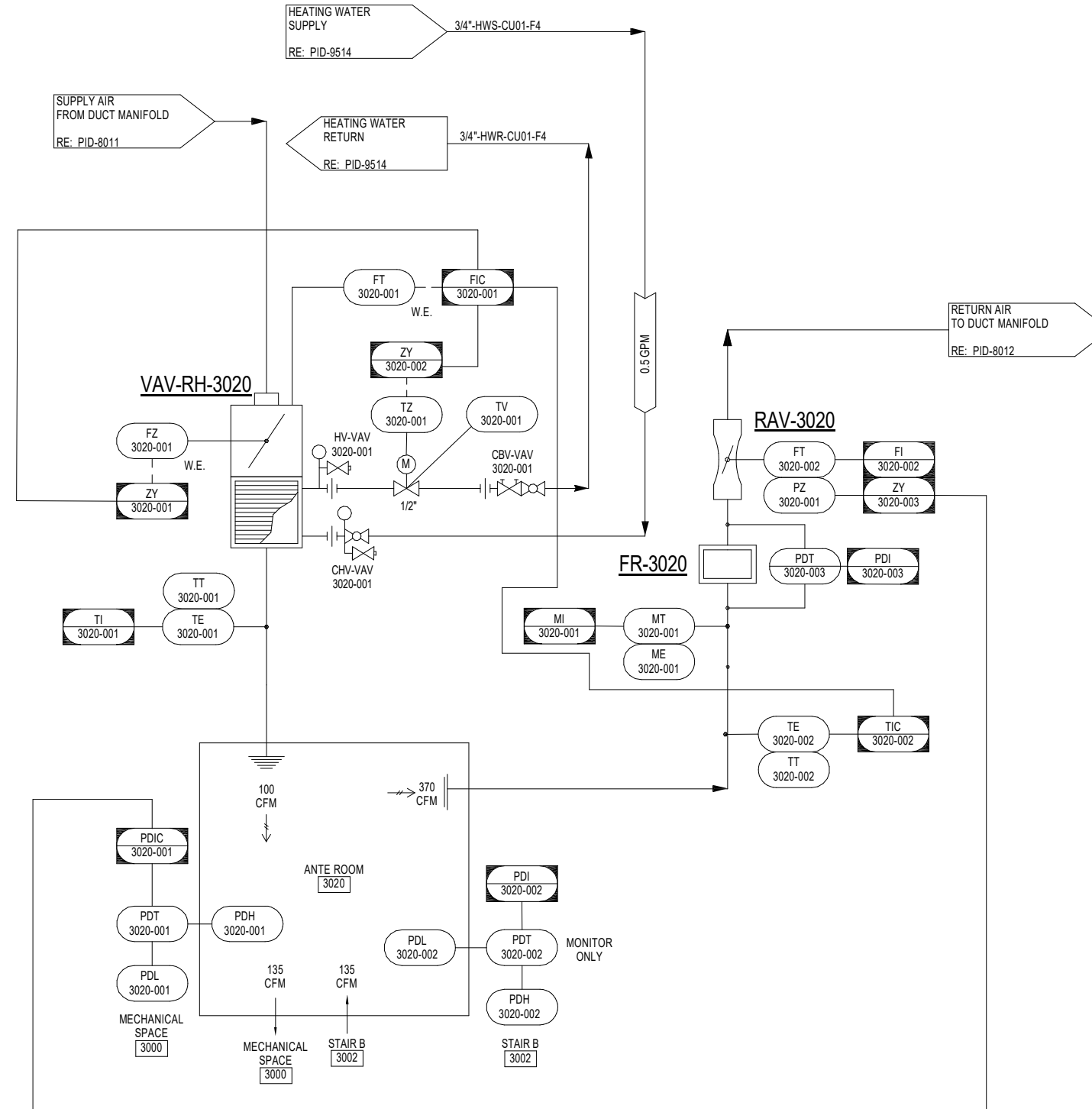
3010 IDF

VAV WITH REHEAT: ZN-T AND ZN-H FROM ROOM STAT. JC DWG NO. 12-1



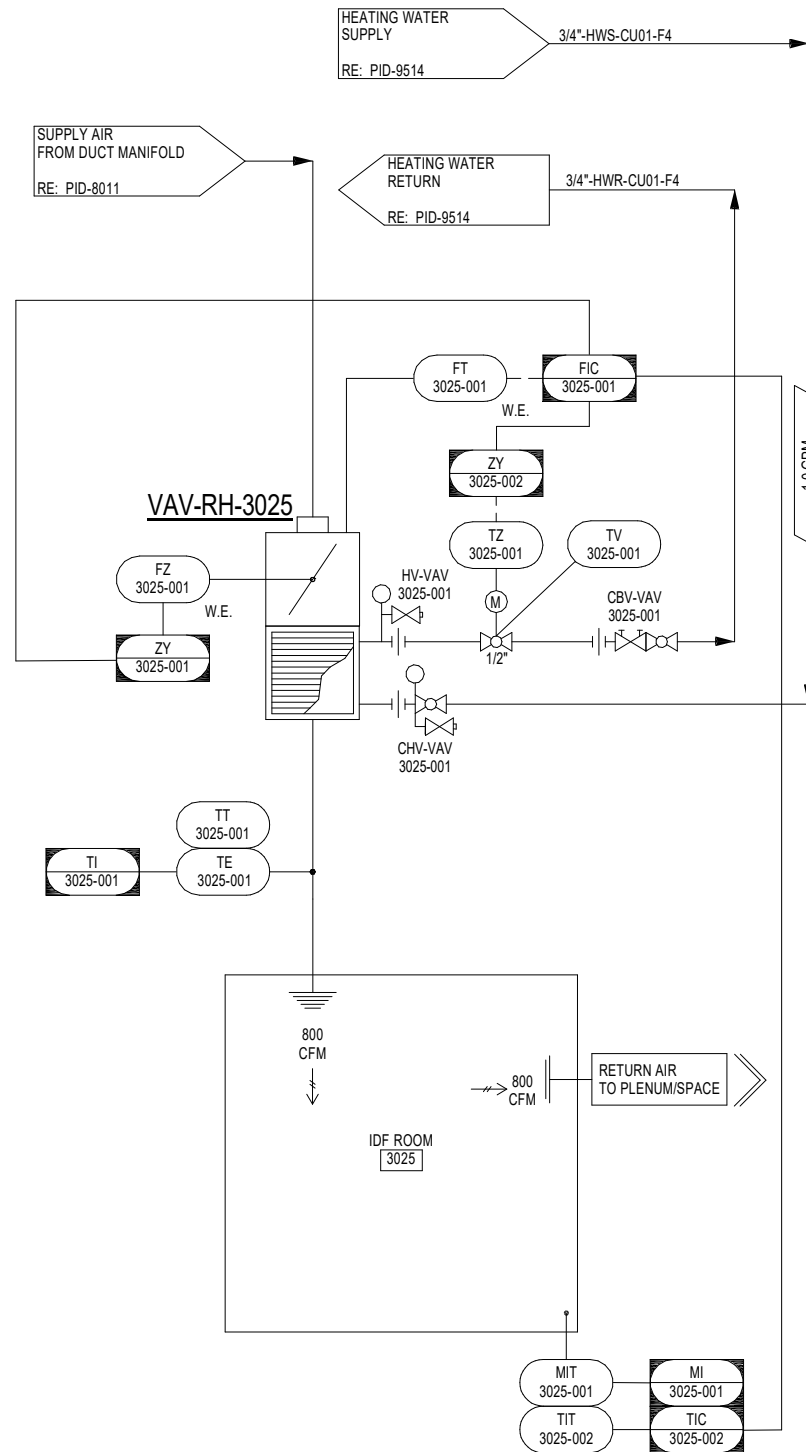
3020 ANTEROOM

VAV WITH REHEAT: RAV, MULTIPLE RPH, ZN-T AND ZN-H ON RETURN AIR. JC DWG NO. 11-1



3025 IDF

VAV WITH REHEAT: ZN-T AND ZN-H FROM ROOM STAT. JC DWG NO. 12-1



ENTIRE SHEET REISSUED FOR COORDINATION