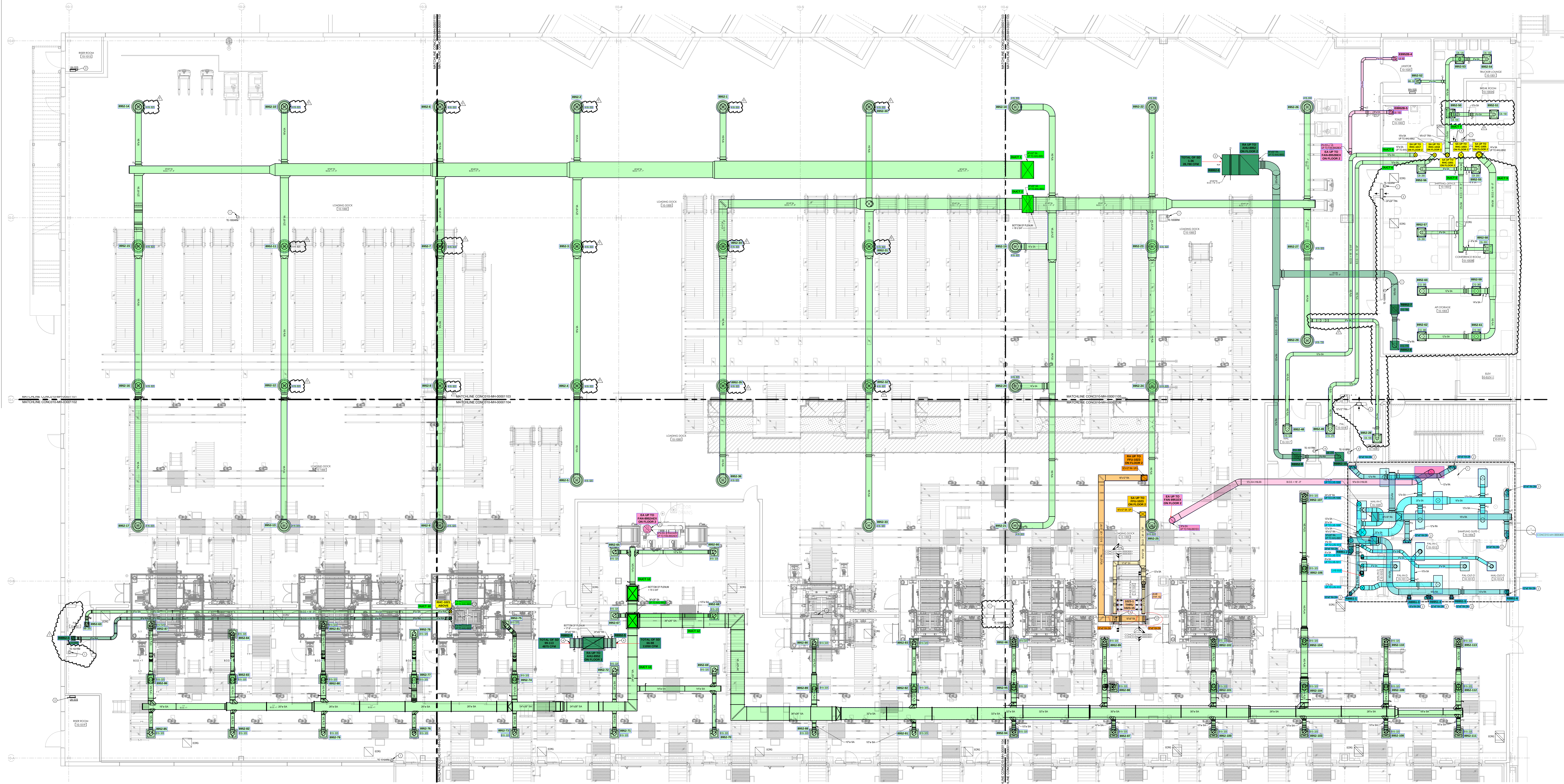




FLOOR 1
BUILDING 10

- A**

GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

1 PROVIDE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING TO BMS.

2 PROVIDE ELECTRIC UNIT HEATER. COORDINATE FINAL LOCATION WITH RISER ROOM PIPING LAYOUT.
- B**

GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

1 PROVIDE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING TO BMS.

2 PROVIDE ELECTRIC UNIT HEATER. COORDINATE FINAL LOCATION WITH RISER ROOM PIPING LAYOUT.
- C**

GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

1 PROVIDE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING TO BMS.

2 PROVIDE 22" 304SS EXHAUST DUCTWORK TO PALLET WASHER. COORDINATE EXACT LOCATION AND CONNECTION SIZE WITH PALLET WASHER SHOP DRAWINGS. SEAL DUCT SLEEVE AIR TIGHT.

3 PROVIDE PRESSURE CONTROL DAMPER PCD-016. INSTALL ABOVE CEILING. PROVIDE WITH HARDWARE CLOTH GRILLE ON BOTH SIDES OF WALL.

4 PROVIDE 24" 402 DUCTWORK, MANUAL VOLUME DAMPER, AND HARDWARE CLOTH GRILLE.

5 SEAL AIR DUCT PENETRATION AND SLEEVES FROM ROOM 1216 TO SECOND FLOOR AIR TIGHT.
- D**

GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

1 PROVIDE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING TO BMS.

2 PROVIDE 22" 304SS EXHAUST DUCTWORK TO PALLET WASHER. COORDINATE EXACT LOCATION AND CONNECTION SIZE WITH PALLET WASHER SHOP DRAWINGS. SEAL DUCT SLEEVE AIR TIGHT.

3 PROVIDE PRESSURE CONTROL DAMPER PCD-016. INSTALL ABOVE CEILING. PROVIDE WITH HARDWARE CLOTH GRILLE ON BOTH SIDES OF WALL.

4 PROVIDE 24" 402 DUCTWORK, MANUAL VOLUME DAMPER, AND HARDWARE CLOTH GRILLE.

5 SEAL AIR DUCT PENETRATION AND SLEEVES FROM ROOM 1216 TO SECOND FLOOR AIR TIGHT.
- E**

GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

1 PROVIDE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING TO BMS.

2 PROVIDE 54" 502 MANUAL VOLUME DAMPER AND HARDWARE CLOTH GRILLE.

3 PROVIDE TRANSFER AIR DUCT ABOVE CEILING. PROVIDE HARDWARE CLOTH GRILLE ON BOTH SIDES OF WALL.
- F**

GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

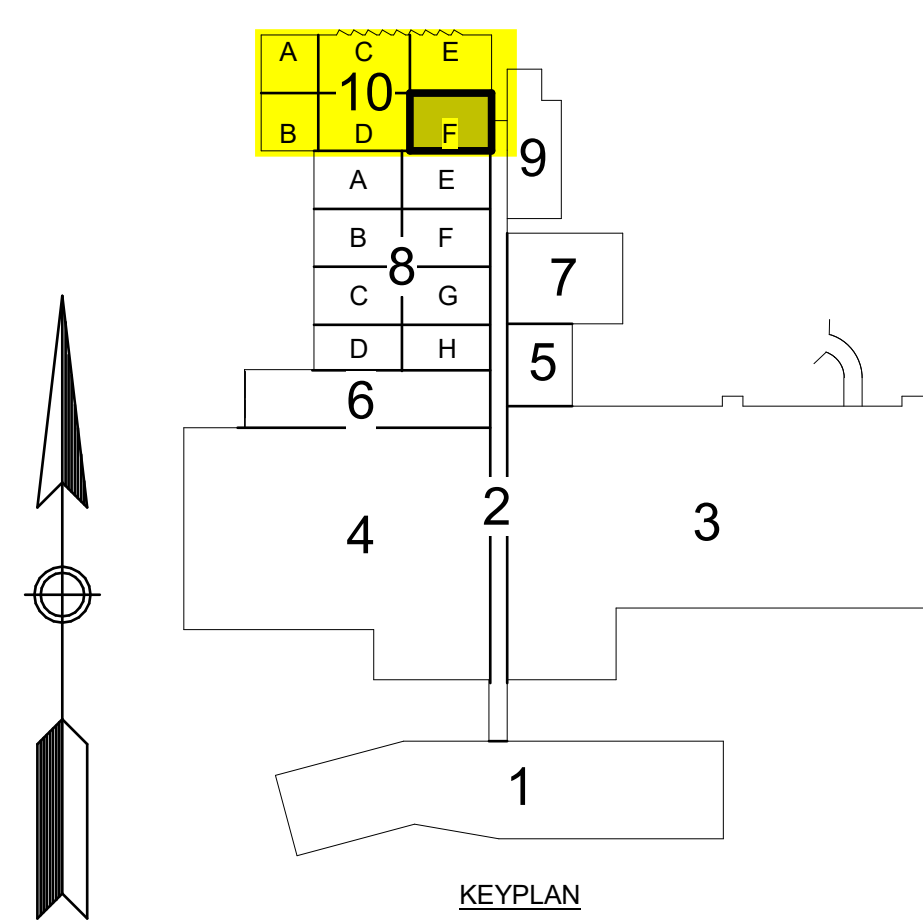
1 PROVIDE 316L SS EXHAUST DUCTWORK TO BIOSAFETY CABINET. COORDINATE EXACT LOCATION AND CONNECTION SIZE WITH A&S SHOP DRAWINGS.

2 PROVIDE LOW LEVEL RETURN DUCTWORK DOWN DESIGNATED LOW LEVEL. SCOOP RETURN AIR CHASE. TERMINATE WITH HARDWARE CLOTH GRILLE AT 8" A/F. COORDINATE EXACT LOCATION WITH A&S SHOP DRAWINGS.

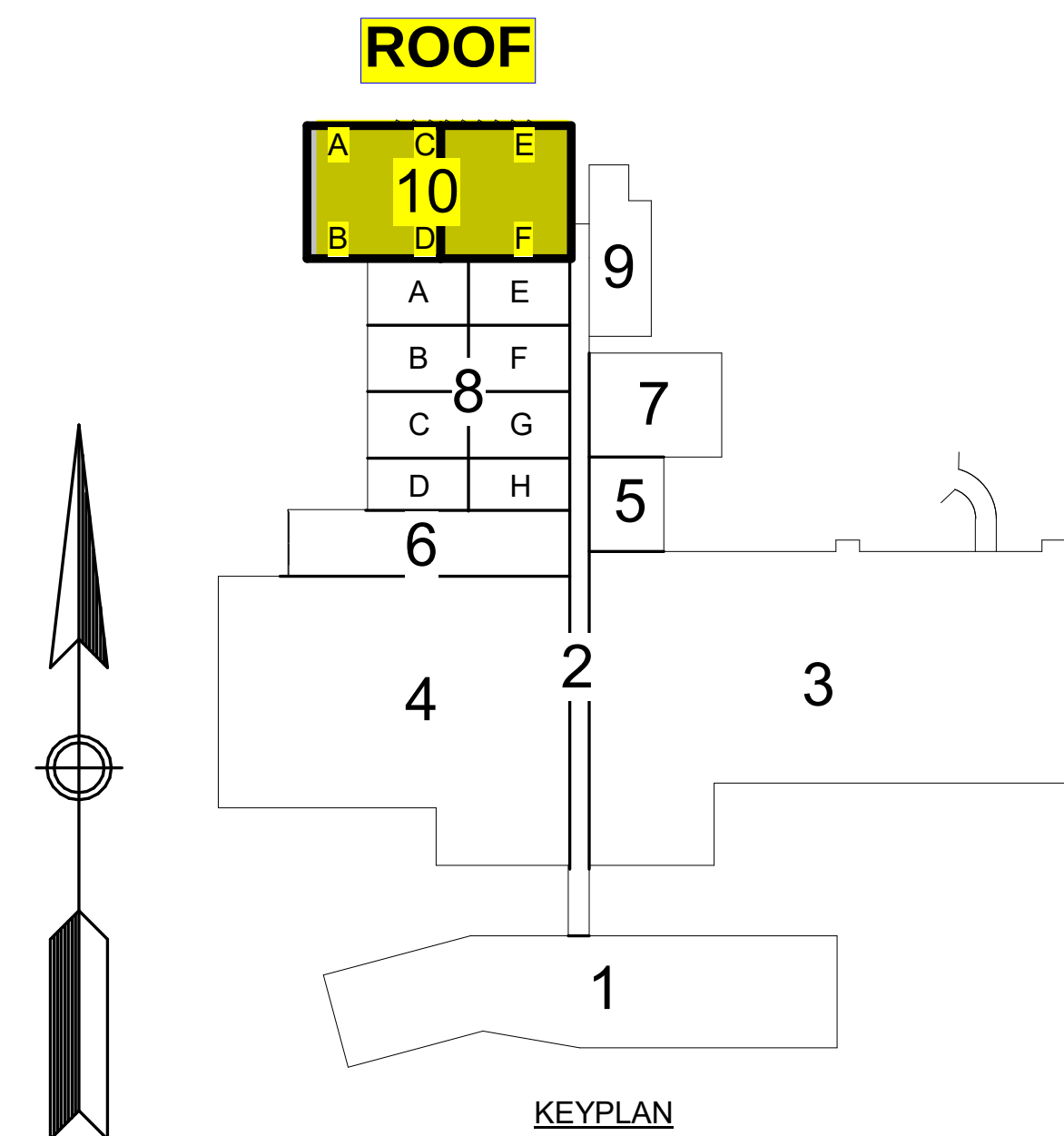
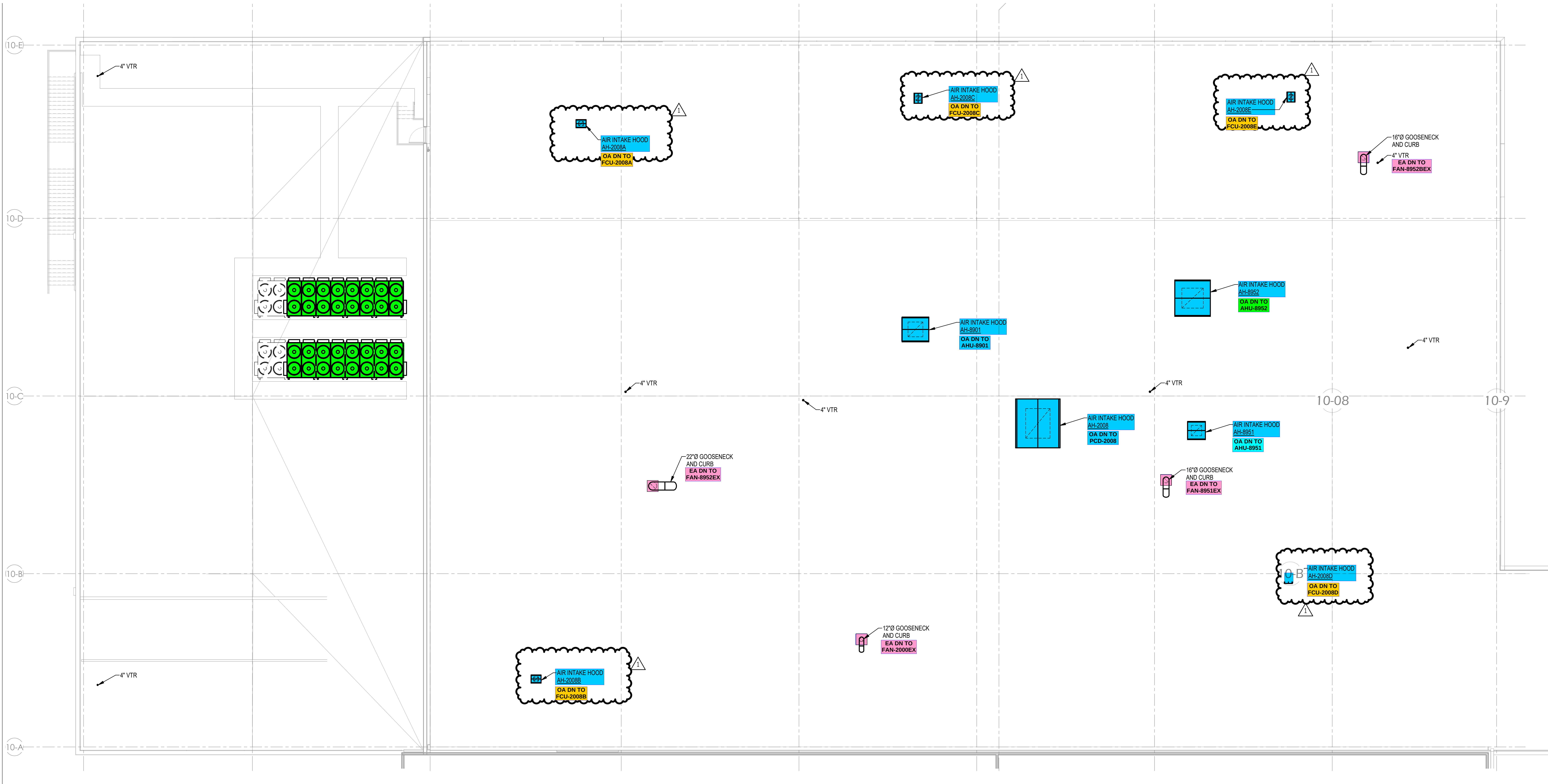
3 PROVIDE LOW LEVEL RETURN DUCT. TERMINATE 1" 8" A/F WITH 16" 404 GRILLE ON VERTICAL INSIDE SIDE OF DUCT. COORDINATE EXACT LOCATION WITH A&S SHOP DRAWINGS.

4 PROVIDE TEMPERATURE SENSOR AND ASSOCIATED CONTROL WIRING TO BMS.

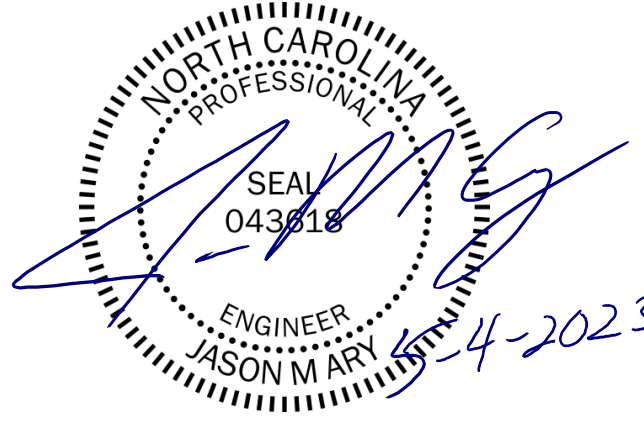
5 PROVIDE 12" 402 TRANSFER AIR DUCT ABOVE CEILING. PROVIDE HARDWARE CLOTH GRILLE ON BOTH SIDES OF WALL.



			MUSSETT NICHOLAS ASSOCIATES ENGINEERS + ARCHITECTS 502 South West Street Indianapolis, Indiana 46225 317.631.9241 North Carolina Firm License No. C-4041 MNA COMM NO. 2022175			AIR HANDLING SYSTEMS B10/01			
3 2 1 0	ALL ALL ALL ALL	BULLETIN-04 BULLETIN-03 BULLETIN-02 ISSUED FOR CONSTRUCTION	N/A N/A N/A N/A	23-Aug-2023 26-Jun-2023 04-May-2023 03-Mar-2023	SYSTEM TYPE SUB DISCIPLINE LOCATION CODE CRITICAL QUALITY CRITICAL BUSINESS CRITICAL HSE NON-CRITICAL	CONC010 MH CONC No Yes No No	LOCATION/WORD ENTERPRISE GROUP CDAP EQUIPMENT CLASSIFICATION VENDOR ENGINEERING AGENCY DOC ID	EDGE/BUILDING CONC010 GGC CODE DRAWING INTENTION ALTERNATE DOCUMENT ID DOCUMENT ID	LEVEL/FLOOR 0 PROJECT NAME CONC-003-5883 DRAWING SCALE 1/4" = 1'-0" REVISION NUMBER CONC010-MH-00001106



			MUSSETT NICHOLAS ASSOCIATES ENGINEERS + ARCHITECTS 502 South West Street Indianapolis, Indiana 46225 317.631.9241 North Carolina Firm License No. C-4041 MNA COMM NO.: 2022175			Lilly U.S.A.			AIR HANDLING SYSTEMS B10/R							
△						SYSTEM TYPE			EDIFICE/BUILDING CONC010		LEVEL/FLOOR R					
△						SUB DISCIPLINE MH		LOCATION CODE CONC		LOCATION/GRID COL. 10-A - 10-E:10-1 - 10-9		CCI CODE YELLOW		PROJECT NAME CONC-003-5983		
△						CRITICAL QUALITY No		ENTERPRISE GROUP CDAP		DRAWING INTENTION		DRAWING SCALE 3/32" = 1'-0"				
△	ALL	BULLETIN-02	N/A			04-May-2023		CRITICAL BUSINESS Yes		EQUIPMENT CLASSIFICATION		ALTERNATE DOCUMENT ID		MERIDIAN REV		
0	ALL	ISSUED FOR CONSTRUCTION	N/A			03-Mar-2023										
REV	ZONE	PROJECT NUMBER / DESCRIPTION			CHANGE CONTROL		DATE									
REVISIONS																
CONFIDENTIAL INFORMATION																
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NON-CRITICAL No																
ENGINEERING AGENCY DOC ID																
CONC010-MH-00001301																

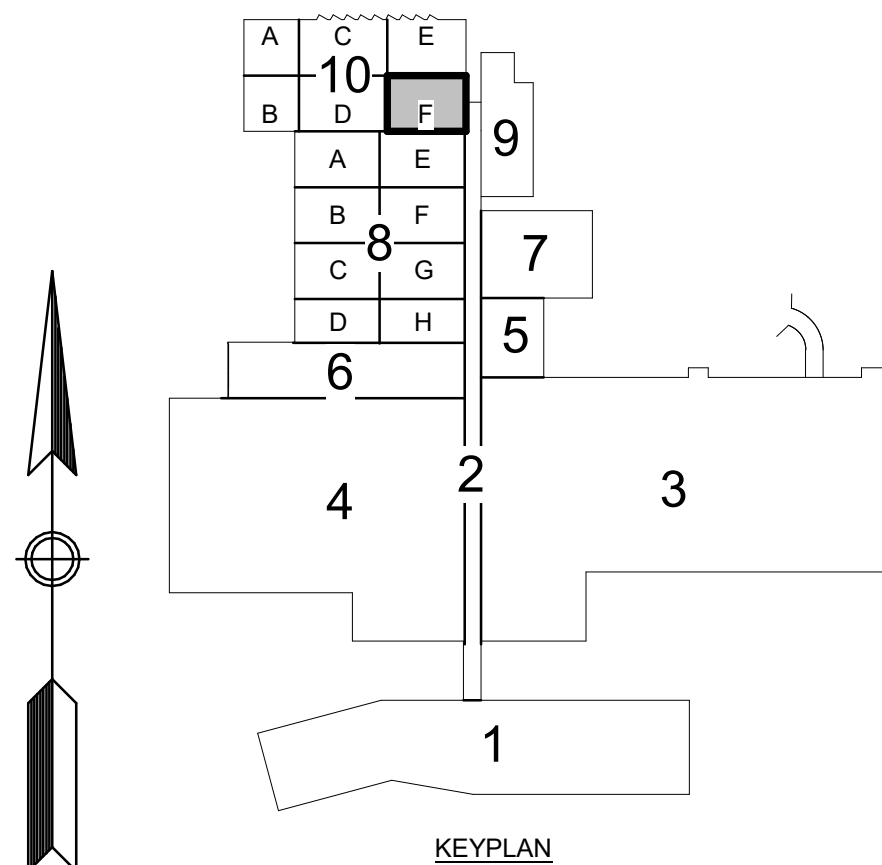
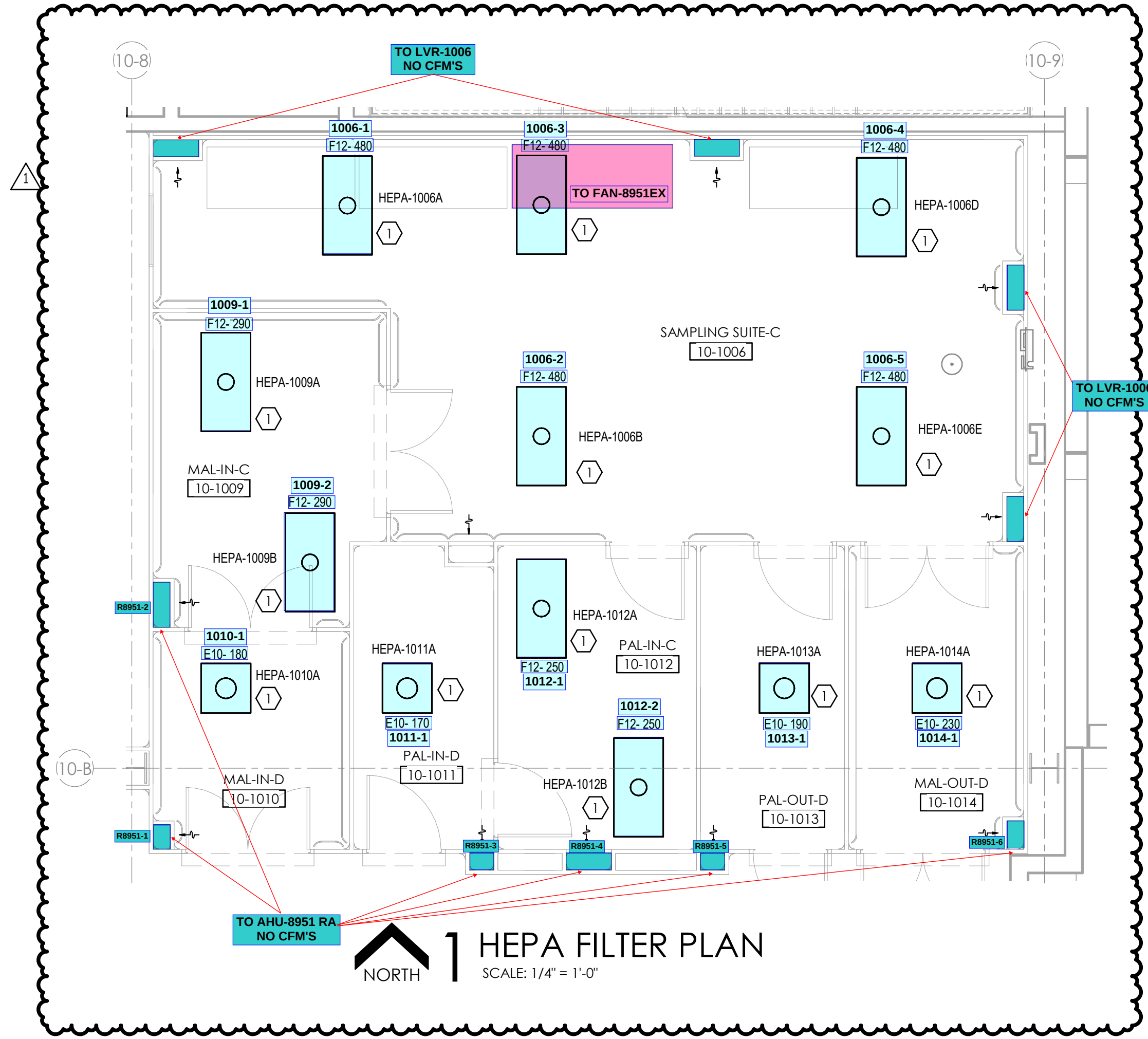


GENERAL NOTES:

G1 PROVIDE MANUAL VOLUME DAMPER AT ALL DIFFUSERS AND REGISTERS IN ACCESSIBLE LOCATION FROM BELOW.

KEYED NOTES:

1 HEPA DIFFUSER FURNISHED BY CLEAN ROOM MANUFACTURER (AES). COORDINATE EXACT LOCATION AND CONNECTION SIZES WITH AES SHOP DRAWINGS.



MUSSETT NICHOLAS
ASSOCIATES
ENGINEERS + ARCHITECTS
302 South West Street
Indianapolis, Indiana 46225
317.631.9241
North Carolina Firm License No. C-4041 MNA COMM NO.: 20221775

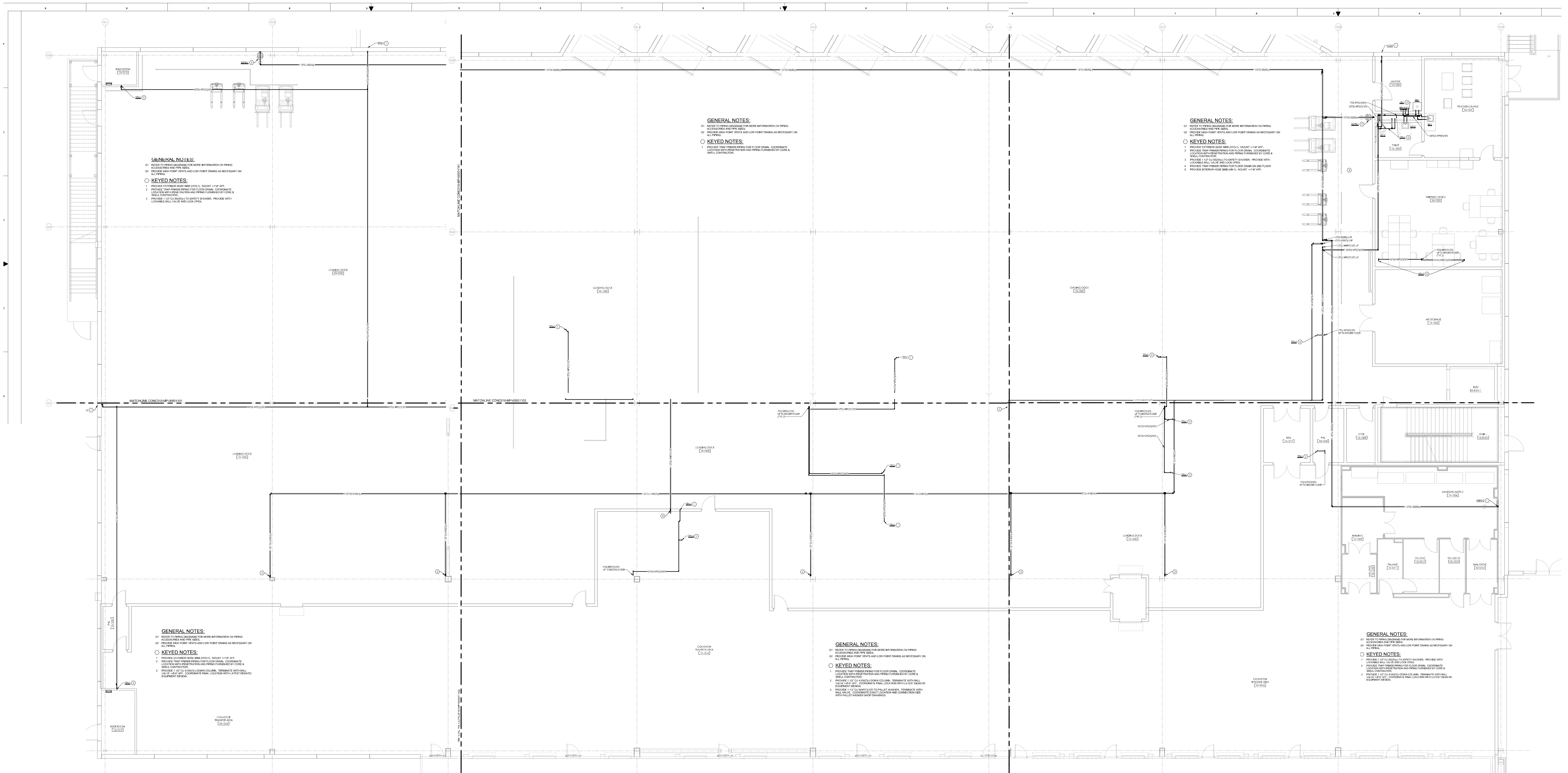
AIR HANDLING SYSTEMS
B10/01

SYSTEM TYPE	EDIFICE/BUILDING	LEVEL/FLOOR
CONC	CONC010	01
SUB DISCIPLINE	LOCATION CODE	PROJECT NAME
MH	CONC	CONC-003-5983
CRITICAL QUALITY	LOCATION/GRID	DRAWING SCALE
NO	COL. 10-B - 10-C:10-8 - 10-9	1/4" = 1'-0"
CRITICAL BUSINESS	ENTERPRISE GROUP	DOCUMENT ID
Yes	CDAP	CONC010-MH-00004001
CRITICAL HSE	EQUIPMENT CLASSIFICATION	ALTERNATE DOCUMENT ID
NO	Vendor	
NON-CRITICAL	ENGINEERING AGENCY DOC ID	REVISIONS
NO		

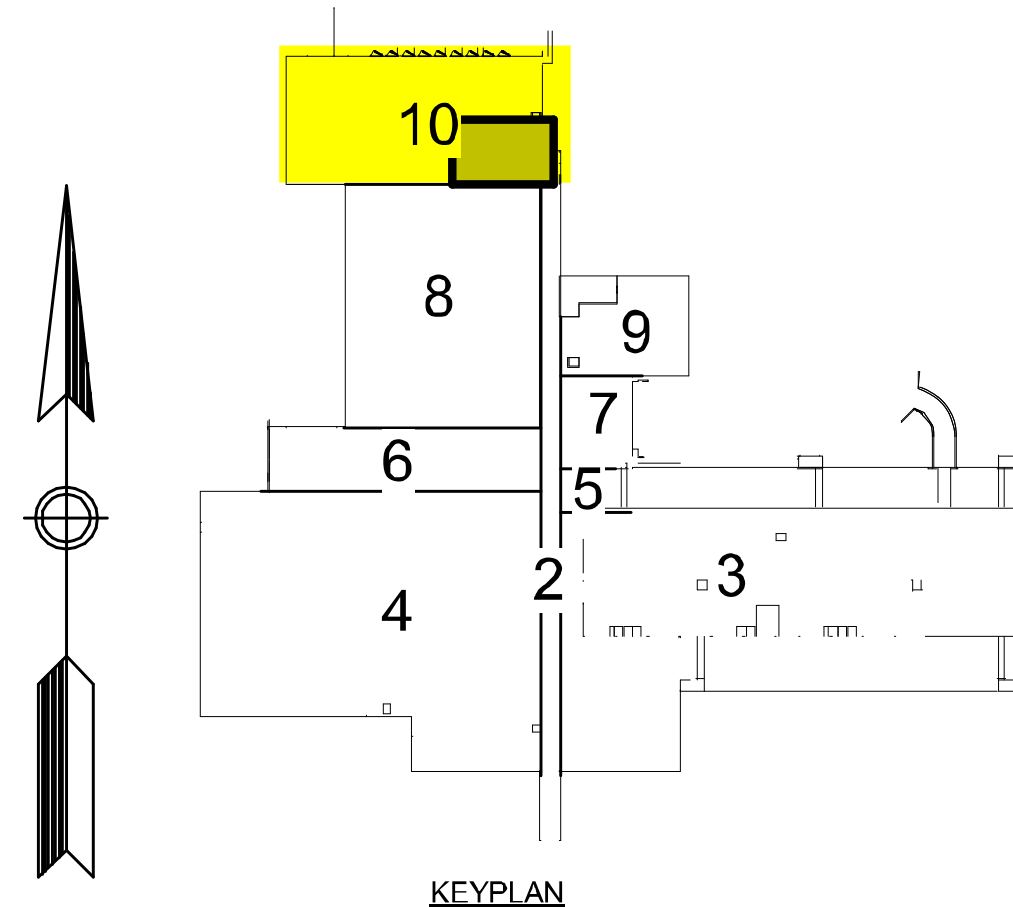
CONFIDENTIAL INFORMATION

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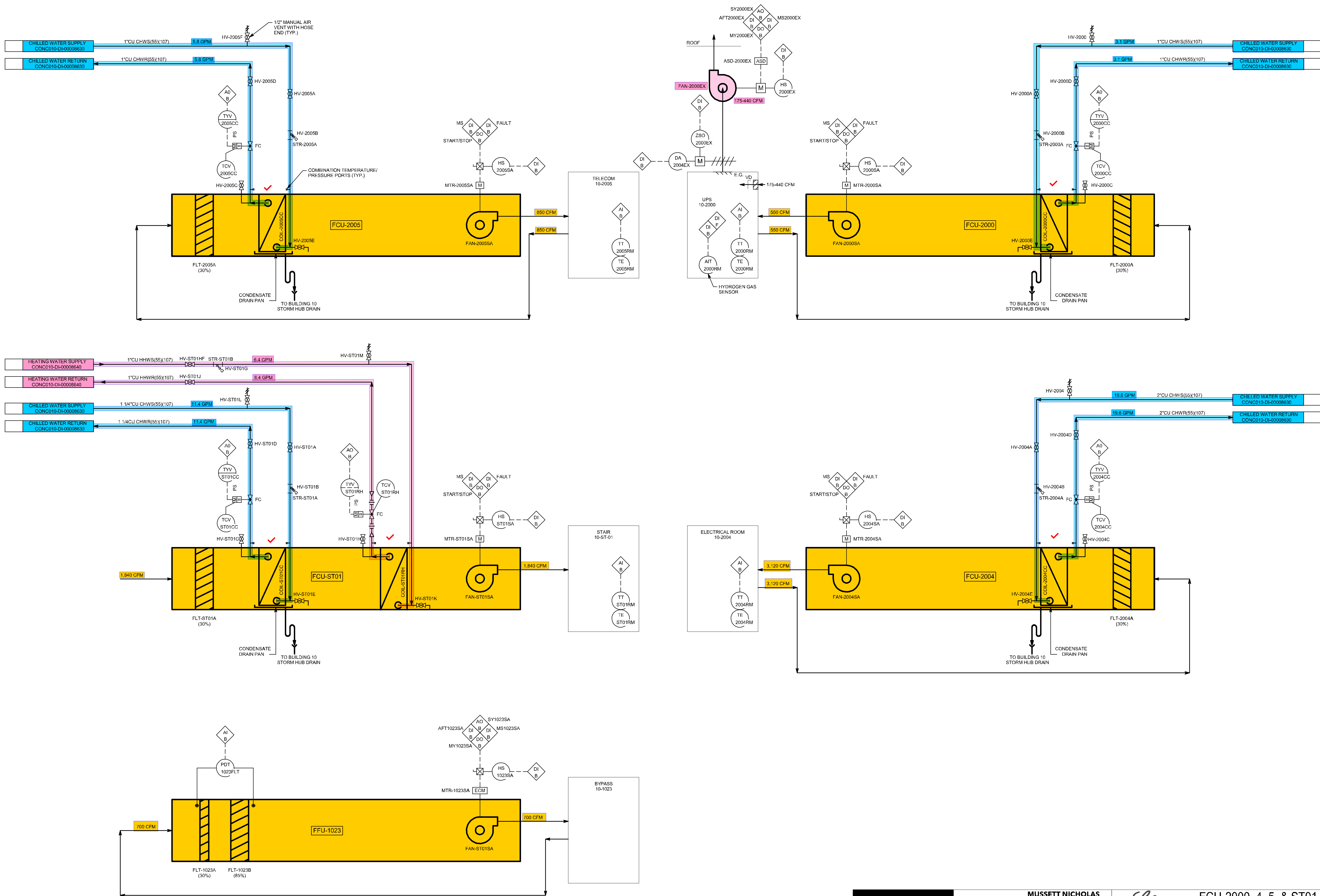
BUILDING 10 LEVEL 1

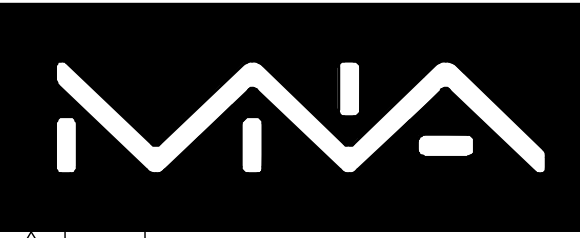


		MUSSETT NICHOLAS ASSOCIATES ENGINEERS - ARCHITECTS 960 South West Street Indianapolis, Indiana 46225 317.437.9241 North Carolina Firm License No. C-4041 MNA COMM NO. 2022175					INTERIOR SERVICE PIPING B10/01		
		SYSTEM TYPE		EDICE/BUILDING		LEVEL/FLOOR			
		SUB DISCIPLINE		LOCATION CODE		LOCATION/WORD		CCI CODE	
		CRITICAL QUALITY		ENTERPRISE GROUP		DRAWING INTENTION		PROJECT NAME	
MP		CONC		COL. 10-A - 10-C-10-6 - 10-9		YELLOW		CONCO-300-5983	
NO		CDAP						DRAWING SCALE	
YES		EQUIPMENT CLASSIFICATION		ALTERNATE DOCUMENT ID				1/4" = 1'-0"	
NO		VENDOR		DOCUMENT ID					
NON-CRITICAL		ENGINEERING AGENCY DO ID							

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THE OFFICIAL "ELECTRONIC RECORD" DOCUMENT IN THE GLOBAL ENGINEERING CONTENT MANAGEMENT SYSTEM.



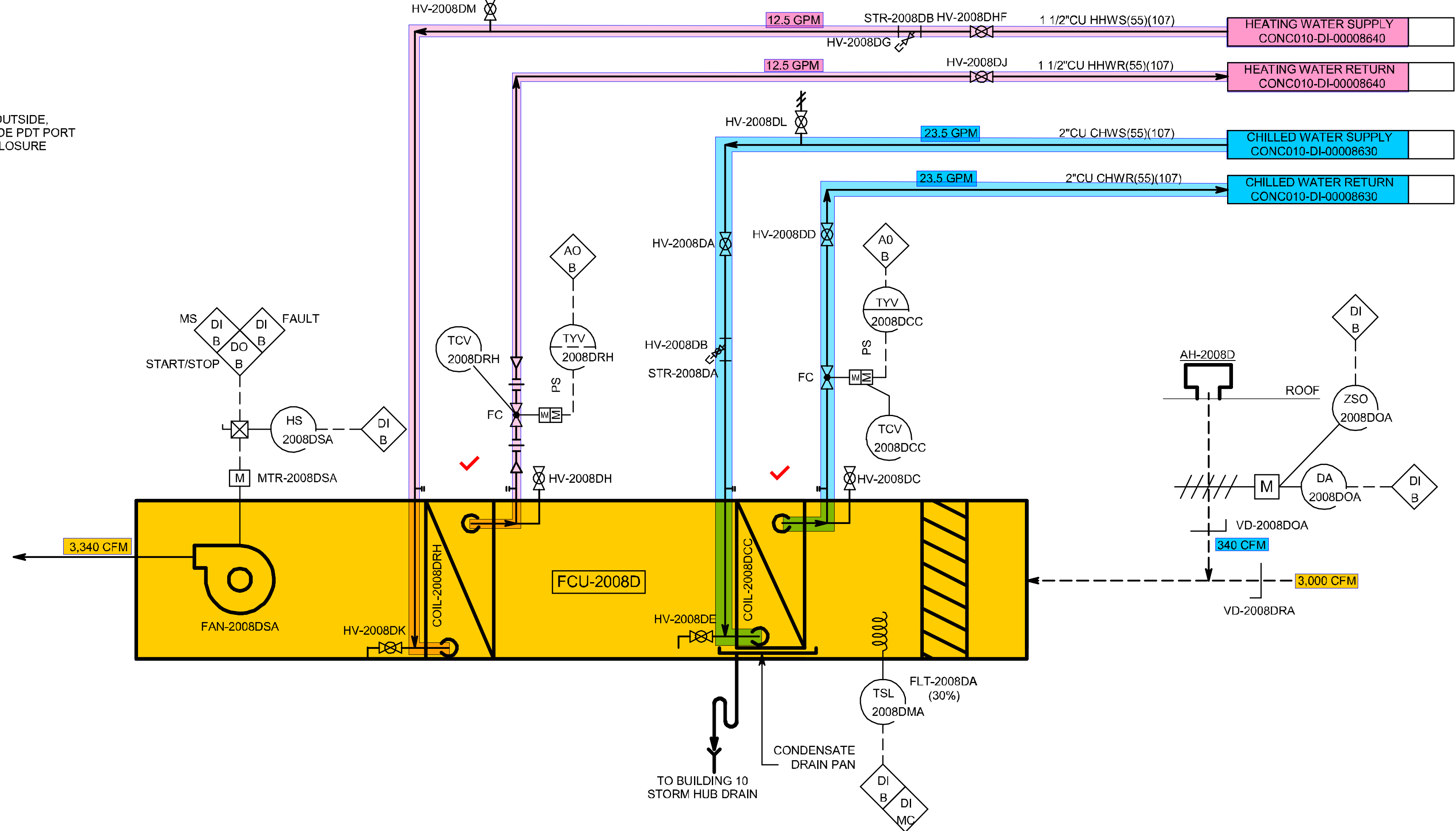
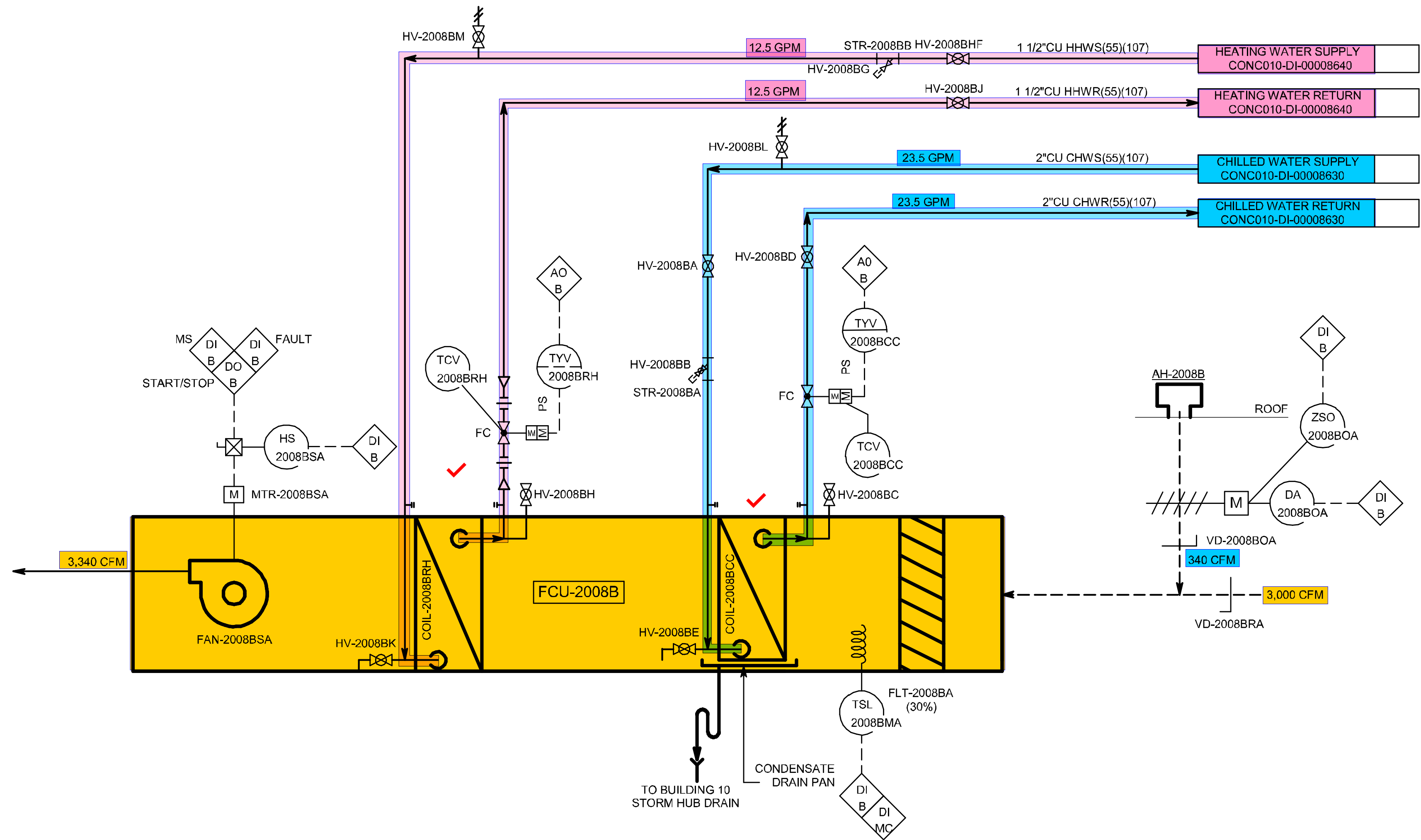
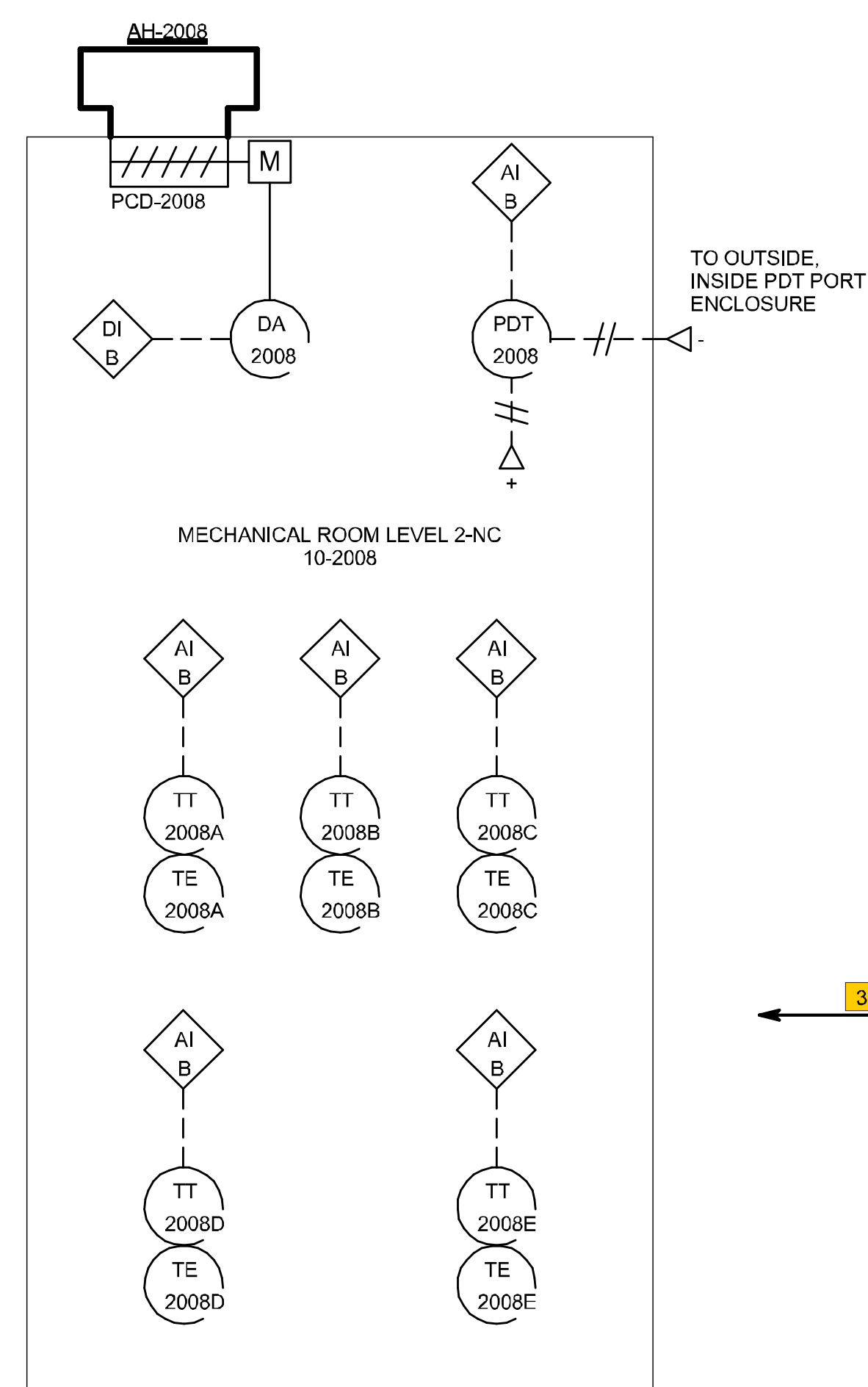
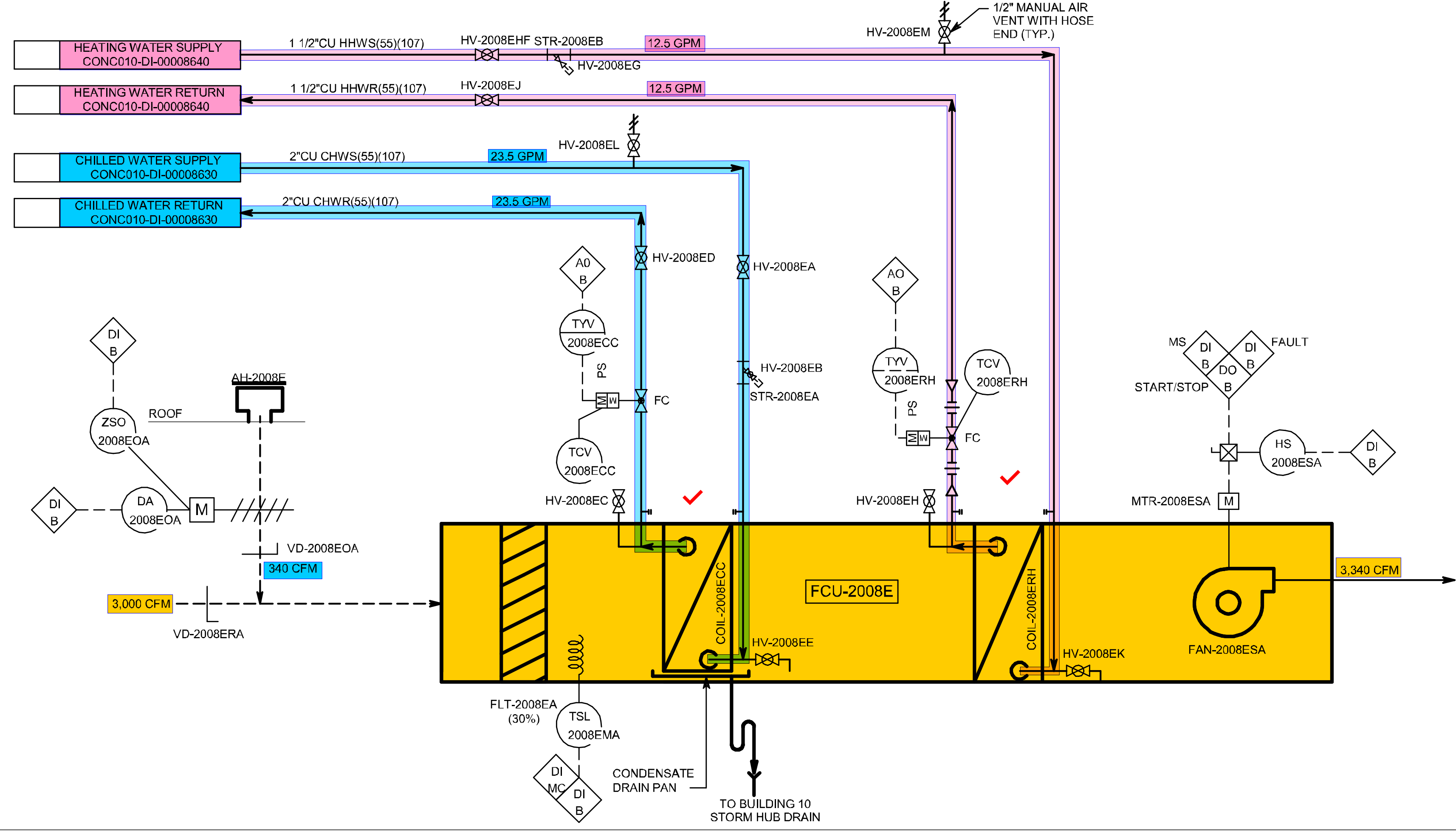
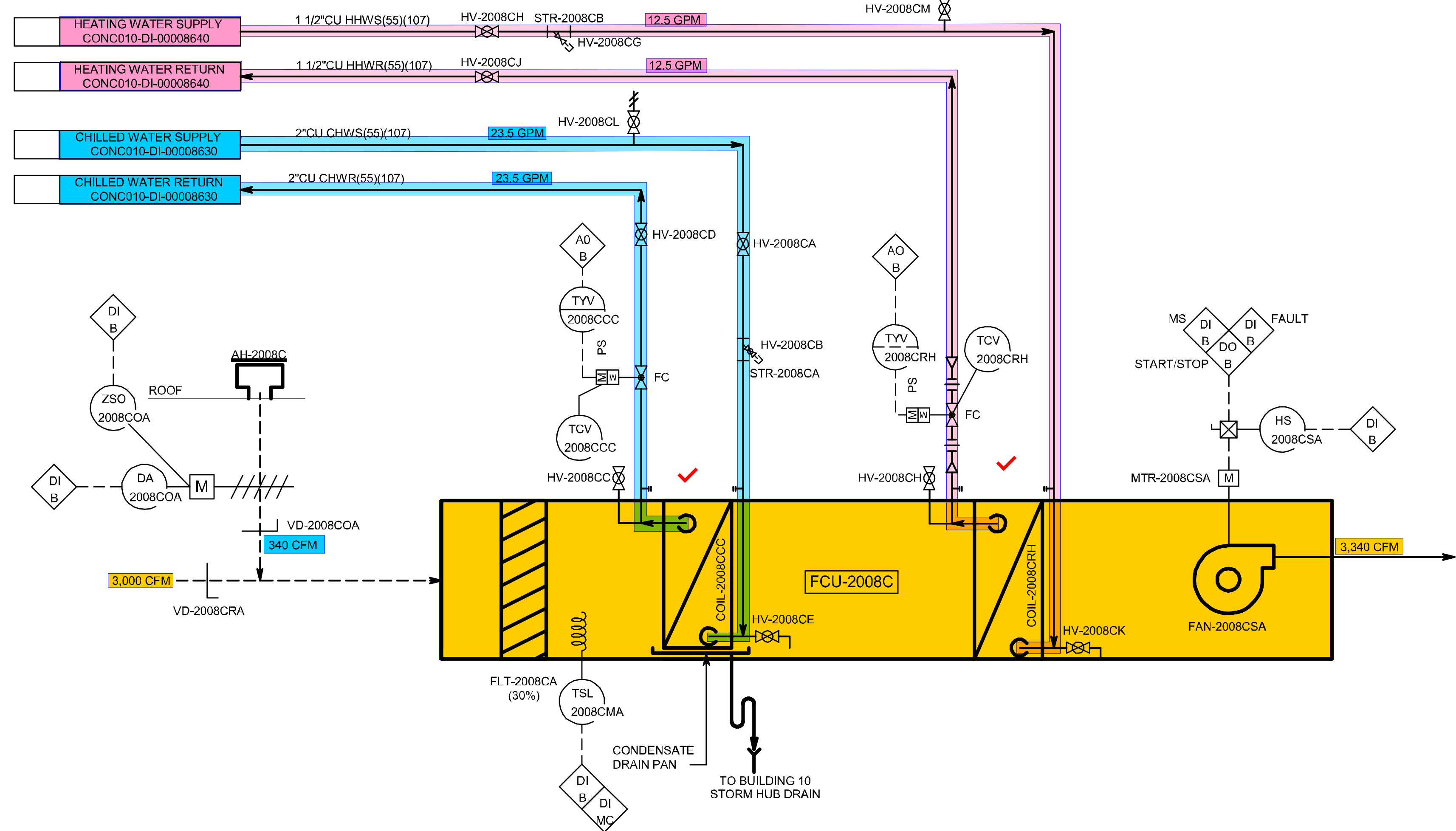
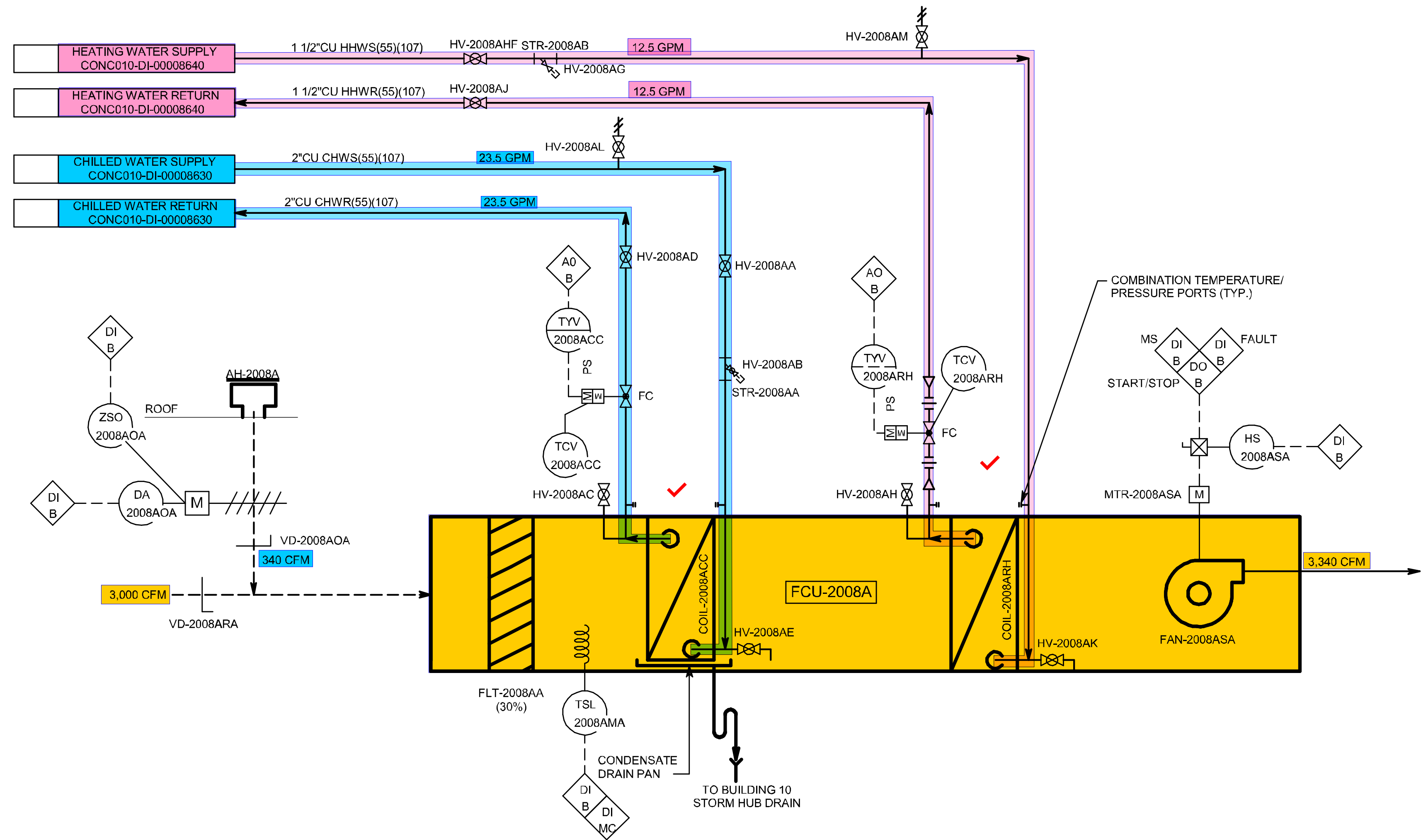


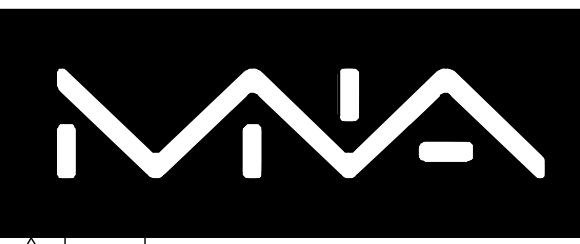
MUSSETT NICHOLAS ASSOCIATES
ENGINEERS + ARCHITECTS
302 South West Street
Indianapolis, Indiana 46225
317.631.1241
North Carolina Firm License No. C-4041 MNA COMM NO.: 2022175

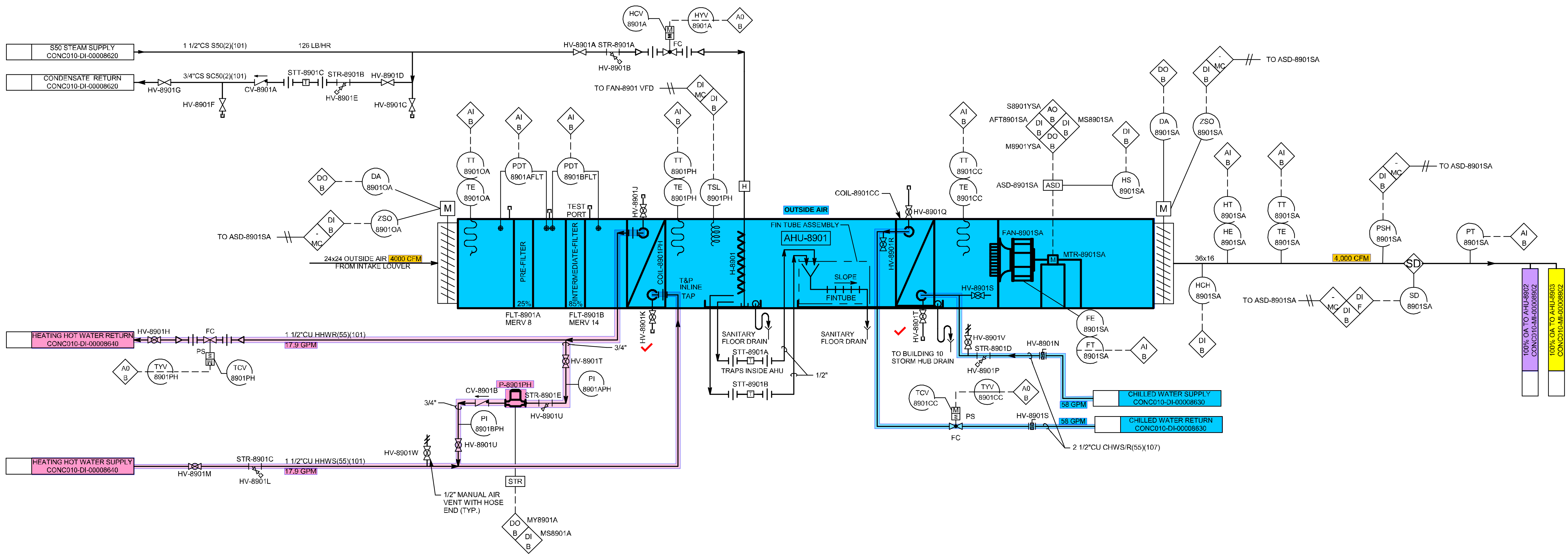


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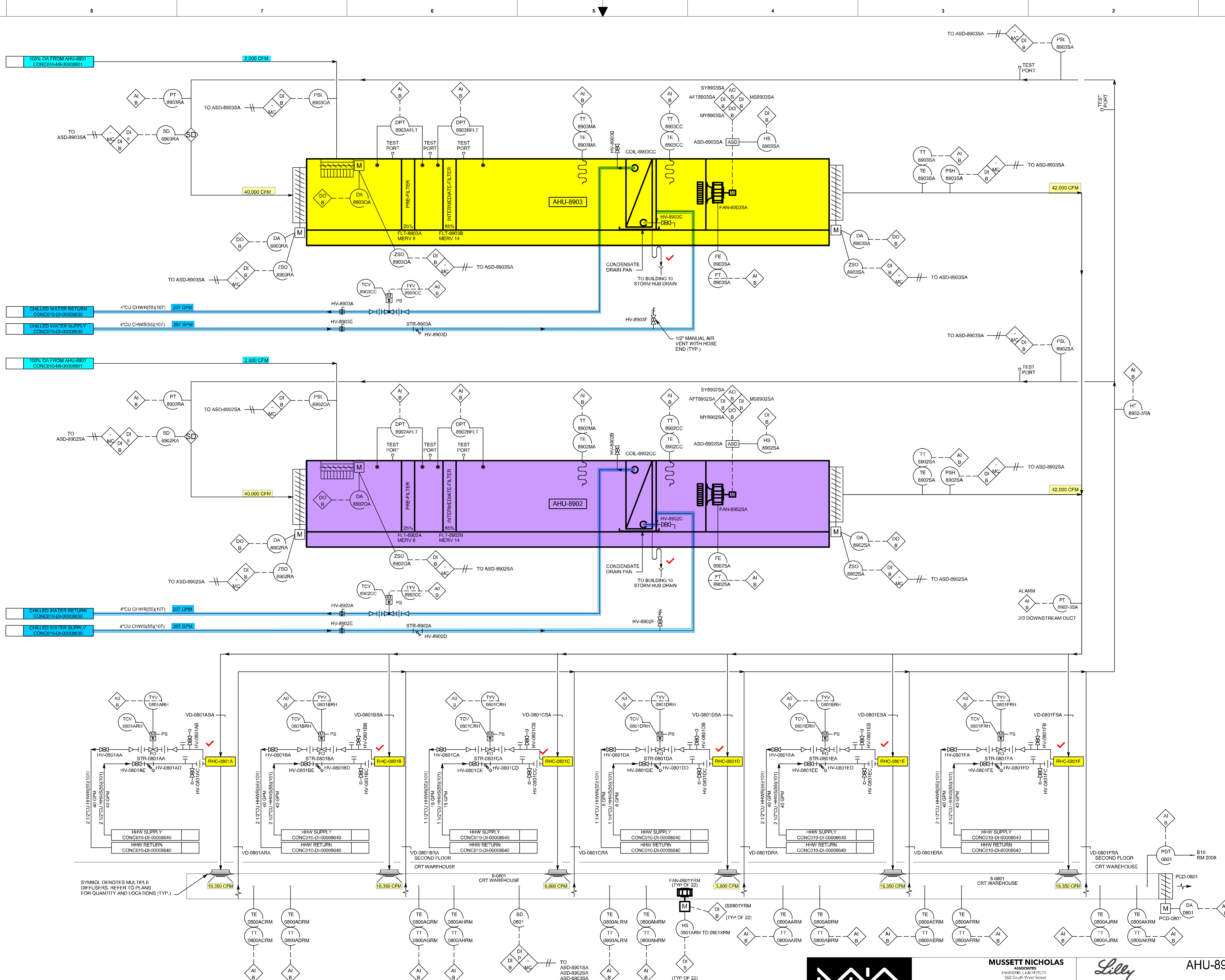
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SUB DISCIPLINE		LOCATION CODE		LOCATION/GRID	
MI		CONC		N/A	
CONC		N/A		CCI CODE	
N/A		N/A		YELLOW	
PROJECT NAME		CONC-003-5983		DRAWING SCALE	
N/A		N/A		N/A	
PROJECT NUMBER / DESCRIPTION		CHANGE CONTROL		DATE	
95% DESIGN REVIEW SET		N/A		27-Jan-2022	
50% DESIGN REVIEW SET		N/A		11-Nov-2022	
REVISIONS		CONFIDENTIAL INFORMATION		THIS DRAWING AND THE IDEAS AND DESIGNS SHOWN THEREON ARE THE EXCLUSIVE PROPERTY OF LILLY AND COMPANY AND ARE NOT TO BE USED, REPRODUCED OR DISCLOSED, EITHER IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF LILLY AND COMPANY.	
CRITICAL BUSINESS		CRITICAL HSE		NON-CRITICAL	
Yes		No		No	
EQUIPMENT CLASSIFICATION		VENDOR		DOCUMENT ID	
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ENGINEERING AGENCY DOC ID		N/A		N/A	



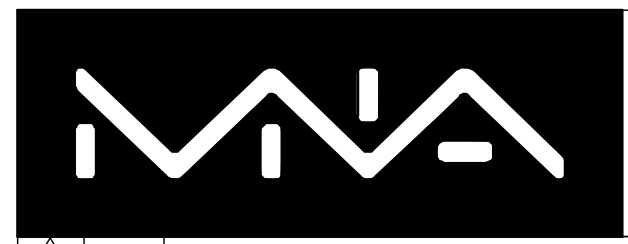
 MUSSETT NICHOLAS ASSOCIATES ENGINEERS & ARCHITECTS 302 South West Street Indianapolis, Indiana 46225 317.431.1241 North Carolina Firm License No. C-4041 MNA COMM NO.: 2022175		 FCU-2008A, B, C, D, & E AF&ID B10	
SUB DISCIPLINE: MI LOCATION CODE: CONG LOCATION/GRID: N/A		EDR/GE BUILDING: CONCO10 LEVEL/FLOOR: N/A	
CDD CODE: YELLOW		PROJECT NAME: CONCO-003-5983	
DRAWING INTENTION: N/A		DRAWING SCALE: N/A	
ALTERNATE DOCUMENT ID: N/A		MURDOCK REV: N/A	
DOCUMENT ID: CONCO10-MI-00002008			



		MUSSETT NICHOLAS ASSOCIATES ENGINEERS & ARCHITECTS 502 South West Street Indianapolis, Indiana 46225 317.251.1241 North Carolina Firm License No. C-4041 MNA COMM NO.: 2022175				AHU-8901 AF&ID B10	
SYSTEM TYPE CONC2010	SUB DISCIPLINE MI	LOCATION CODE CONC	LOCATION/GRID N/A	EDGE/BUILDING CONC2010	LEVEL/FLOOR N/A	PROJECT NAME CONC-003-5983	DRAWING SCALE None
CRITICAL QUALITY No	CRITICAL BUSINESS Yes	CRITICAL HSE No	CRITICAL NON-CRITICAL No	ENTERPRISE GROUP CDAP	EQUIPMENT CLASSIFICATION VENDOR	DRAWING INTENTION ALTERNATE DOCUMENT ID CONCO10-MI-00008901	MURDOGH REV
REVISIONS CONFIDENTIAL INFORMATION THIS DRAWING AND THE IDEAS AND DESIGNS SHOWN THEREON ARE THE EXCLUSIVE PROPERTY OF ELL LILLY AND COMPANY AND ARE NOT TO BE USED, REPRODUCED OR DISCLOSED, EITHER IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF ELL LILLY AND COMPANY.		PROJECT NUMBER / DESCRIPTION CHANGE CONTROL DATE		REVISIONS DATE		CONCO10-MI-00008902 CONCO10-MI-00008902	



SYMBOL DENOTES MULTIPLE DIFFUSERS. REFER TO PLANS FOR QUANTITY AND LOCATIONS (TYP.)

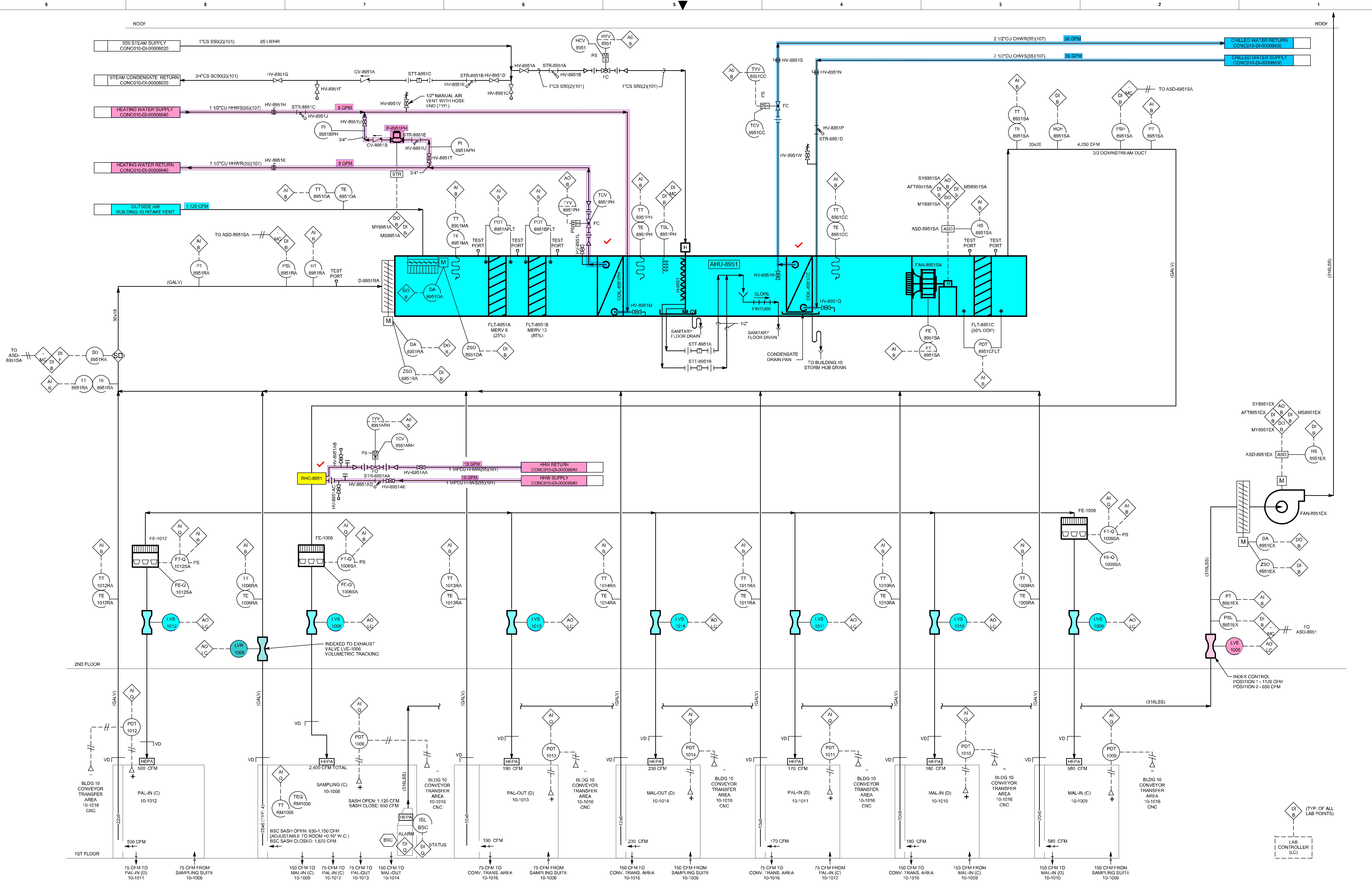


MUSSETT NICHOLAS ASSOCIATES
ENGINEERS + ARCHITECTS
302 South West Street
Indianapolis, Indiana 46225
317.251.5241



AHU-8902, 8903 AF&ID B10

SYSTEM TYPE		EDIFICIO BUILDING		LEVEL/FLOOR	
MI		CONC010		N/A	
SUB DISCIPLINE		LOCATION CODE		CCI CODE	
CONC		N/A		YELLOW	
CRITICAL QUALITY		ENTERPRISE GROUP		DRAWING INTENTION	
No		CDAP		N/A	
CRITICAL BUSINESS		EQUIPMENT CLASSIFICATION		ALTERNATE DOCUMENT ID	
Yes		Vendor		MURDOCH REV	
CRITICAL HSE		ENGINEERING AGENCY DOC ID		DOCUMENT ID	
No				CONC010-MI-00008902	
NON-CRITICAL					
No					



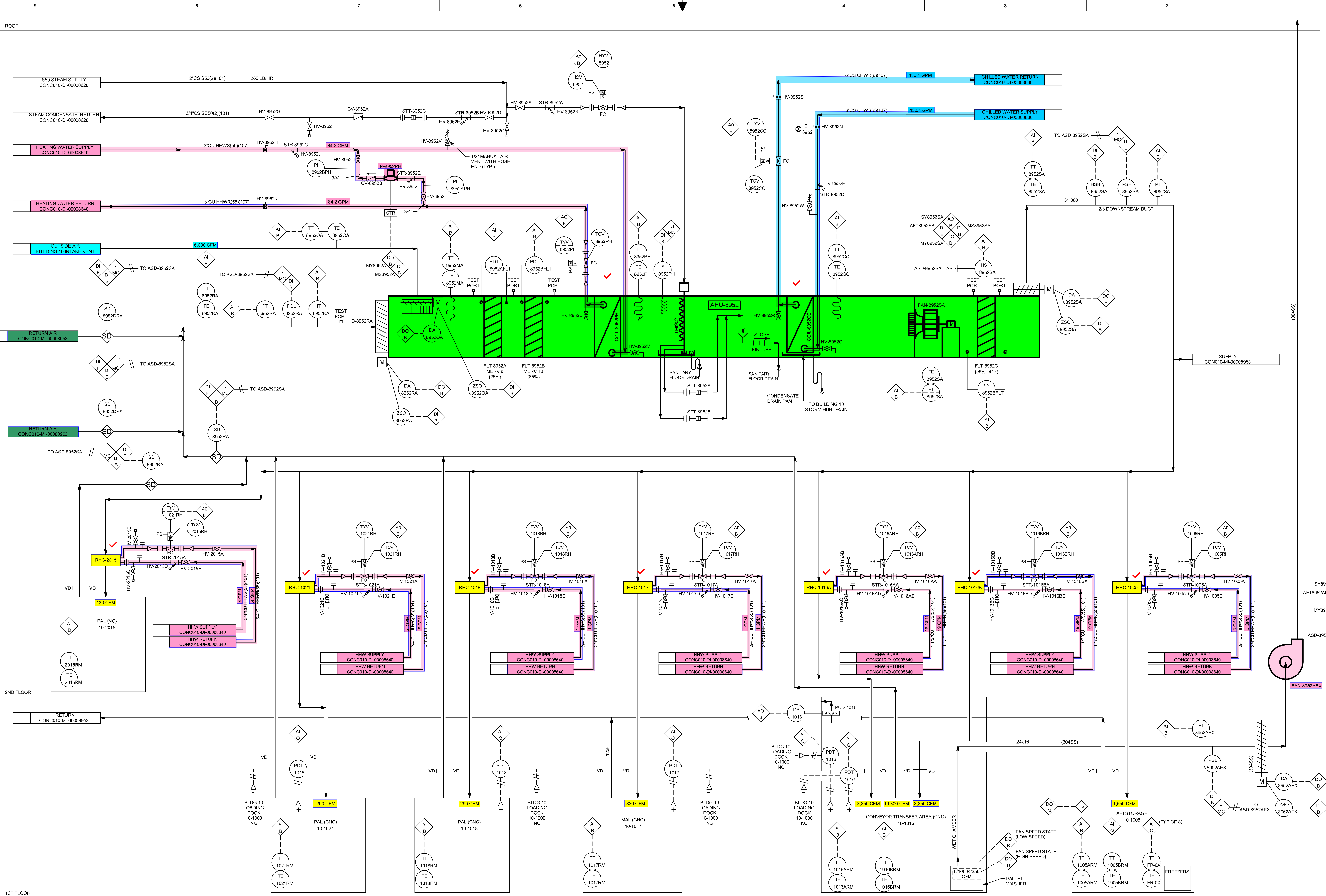


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AHU-8951 AF&ID B10

SYSTEM TYPE		EDR/GE BUILDING		LEVEL/FLOOR	
MI		N/A		N/A	
SUB DISCIPLINE		LOCATION CODE		CCI CODE	
CONC		N/A		YELLOW	
PROJECT NAME		CONC-003-5983		DRAWING SCALE	
N/A		N/A		None	
CRITICAL QUALITY		ENTERPRISE GROUP		ALTERNATE DOCUMENT ID	
No		CDAP		MURDOCH REV	
CRITICAL BUSINESS		EQUIPMENT CLASSIFICATION		DOCUMENT ID	
Yes		N/A		CONC010-MI-00008951	
CRITICAL HSE		VENDOR		ENGINEERING AGENCY DOG ID	
No		N/A		N/A	
NON-CRITICAL		N/A		N/A	

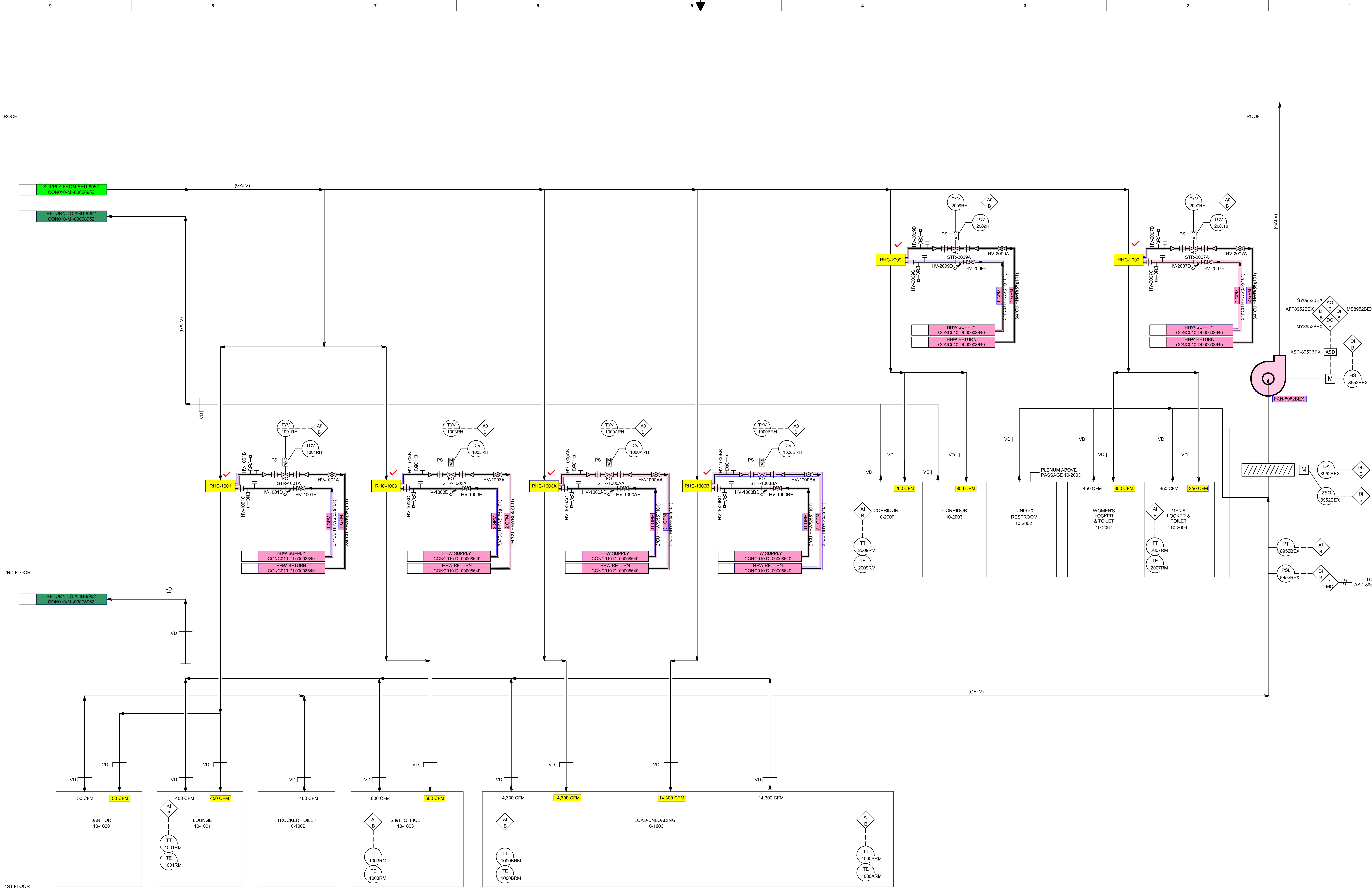


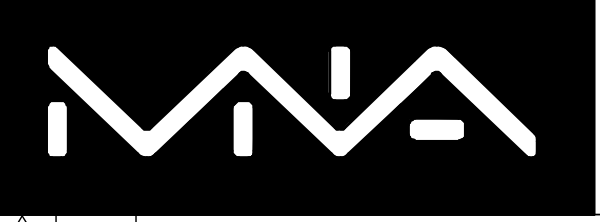
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AHU-8952 AF&ID B10

SYSTEM TYPE		EDPRG-BUILDING		LEVEL/FLOOR	
CONC010		N/A		N/A	
SUB DISCIPLINE		LOCATION CODE		CCI CODE	
MI		CONC		YELLOW	
LOCATION/GRID		PROJECT NAME		DRAWING SCALE	
N/A		CONC-003-5983		None	
OPTICAL QUALITY		ENTERPRISE GROUP		DRAWING INTENTION	
No		CDAP		None	
OPTICAL BUSINESS		EQUIPMENT CLASSIFICATION		ALTERNATE DOCUMENT ID	
Yes		Vendor		Document ID	
OPTICAL HSE		Engineering Agency Doc ID		CONC010-MI-00008952	
No					
NON-CRITICAL					
No					





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AHU-8952 AF&ID B10

SYSTEM TYPE	EDRICE BUILDING	LEVEL/FLOOR
CONC010	N/A	
SUB DISCIPLINE	LOCATION CODE	LOCATION/GRID
MI	CONC	N/A
CCI CODE	PROJECT NAME	
YELLOW	CONC-003-5983	
CRITICAL QUALITY	ENTERPRISE GROUP	DRAWING INTENTION
No	CDAP	
CRITICAL BUSINESS	EQUIPMENT CLASSIFICATION	ALTERNATE DOCUMENT ID
Yes		
CRITICAL HSE	VENDOR	DOCUMENT ID
No		
NON-CRITICAL	ENGINEERING AGENCY DOC ID	
No		

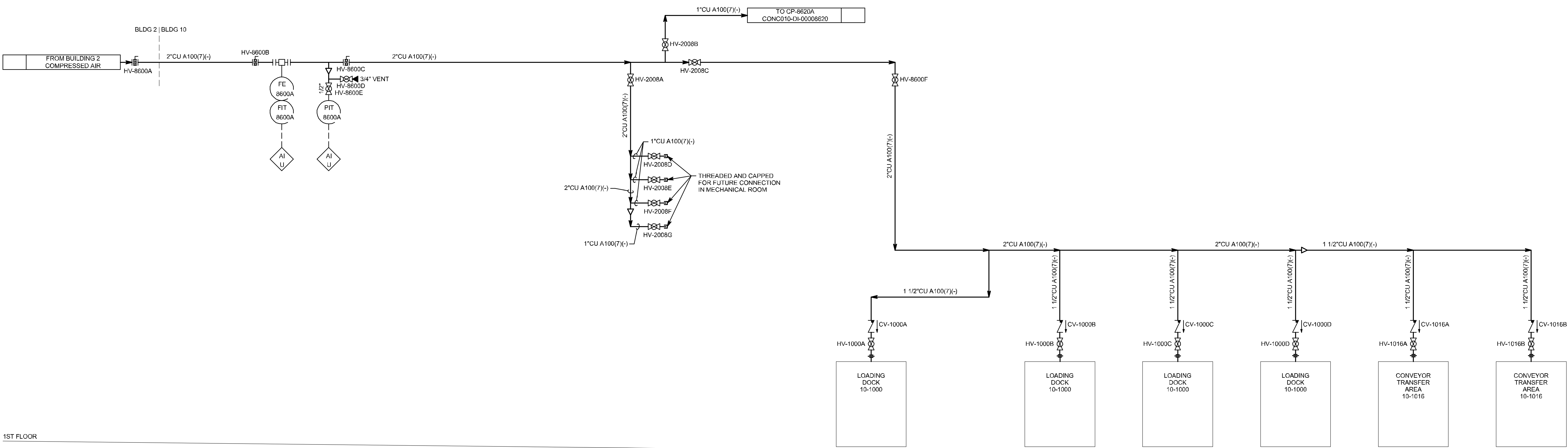
CONC010-MI-00008953

REVISIONS

REV.	ZONE	PROJECT NUMBER / DESCRIPTION	CHANGE CONTROL	DATE
1		95% DESIGN REVIEW SET		27-Jan-2022
2		50% DESIGN REVIEW SET		11-Nov-2022

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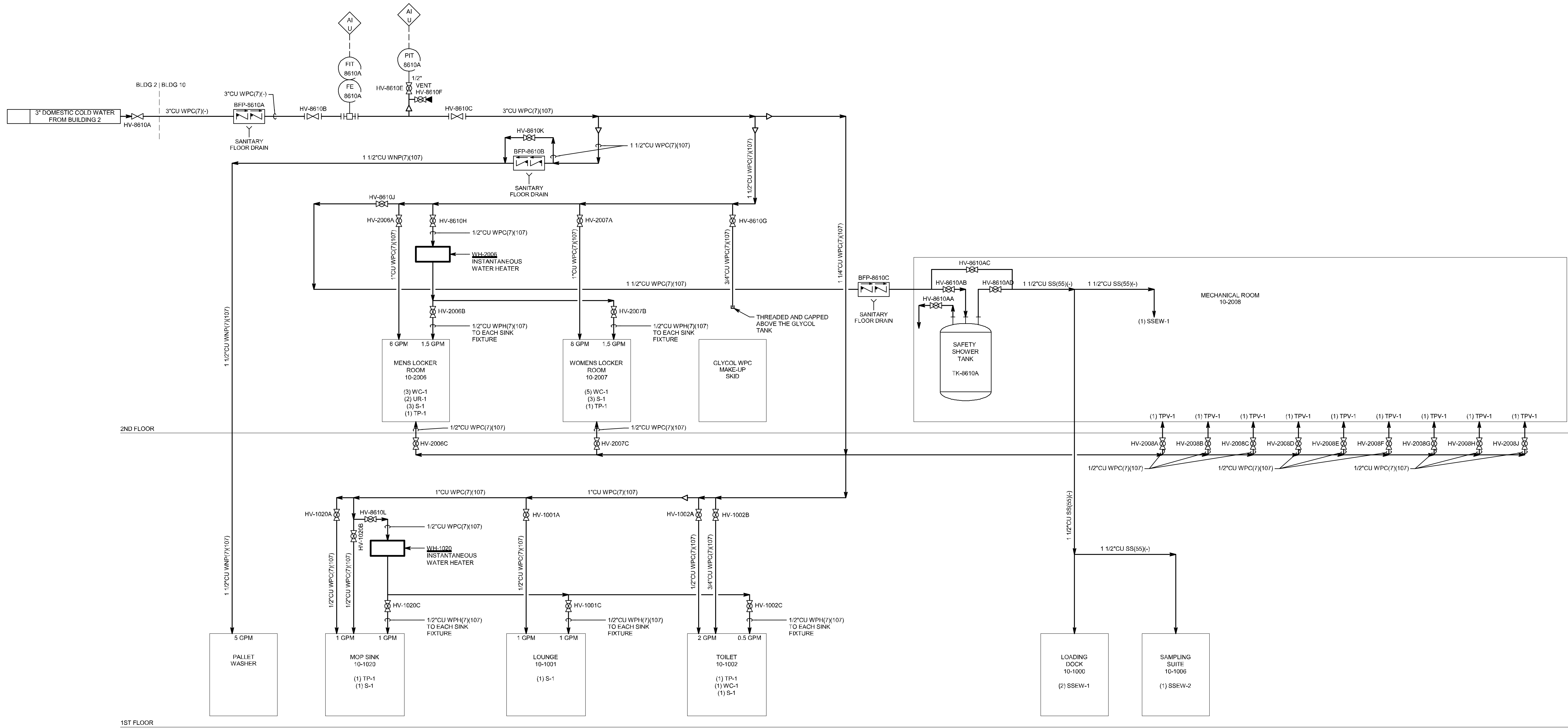


**COMPRESSED AIR P&ID
B10**

△						SYSTEM TYPE	EDP/GE-BUILDING	LEVEL/FLOOR
△						CONC010	CONC010	N/A
△						SUB DISCIPLINE	LOCATION CODE	LOCATION/GRID
		DI	CONC		N/A		CCI CODE	PROJECT NAME
B		ALL	95% DESIGN REVIEW SET	N/A	27-Jan-2023	CRITICAL QUALITY	ENTERPRISE GROUP	DRAWING INTENTION
A		ALL	50% DESIGN REVIEW SET	N/A	11-Nov-2022	No	CDAP	CONC-300-5983
REV		ZONE	PROJECT NUMBER / DESCRIPTION	CHANGE CONTROL	DATE	CRITICAL BUSINESS	EQUIPMENT CLASSIFICATION	ALTERNATE DOCUMENT ID
						Yes		MECHAN REV
						CRITICAL HSE	VENDOR	DOCUMENT ID
						No		CONC010-DI-00008600
						NON-CRITICAL	ENGINEERING AGENCY DOC ID	
						No		
						CONFIDENTIAL INFORMATION		
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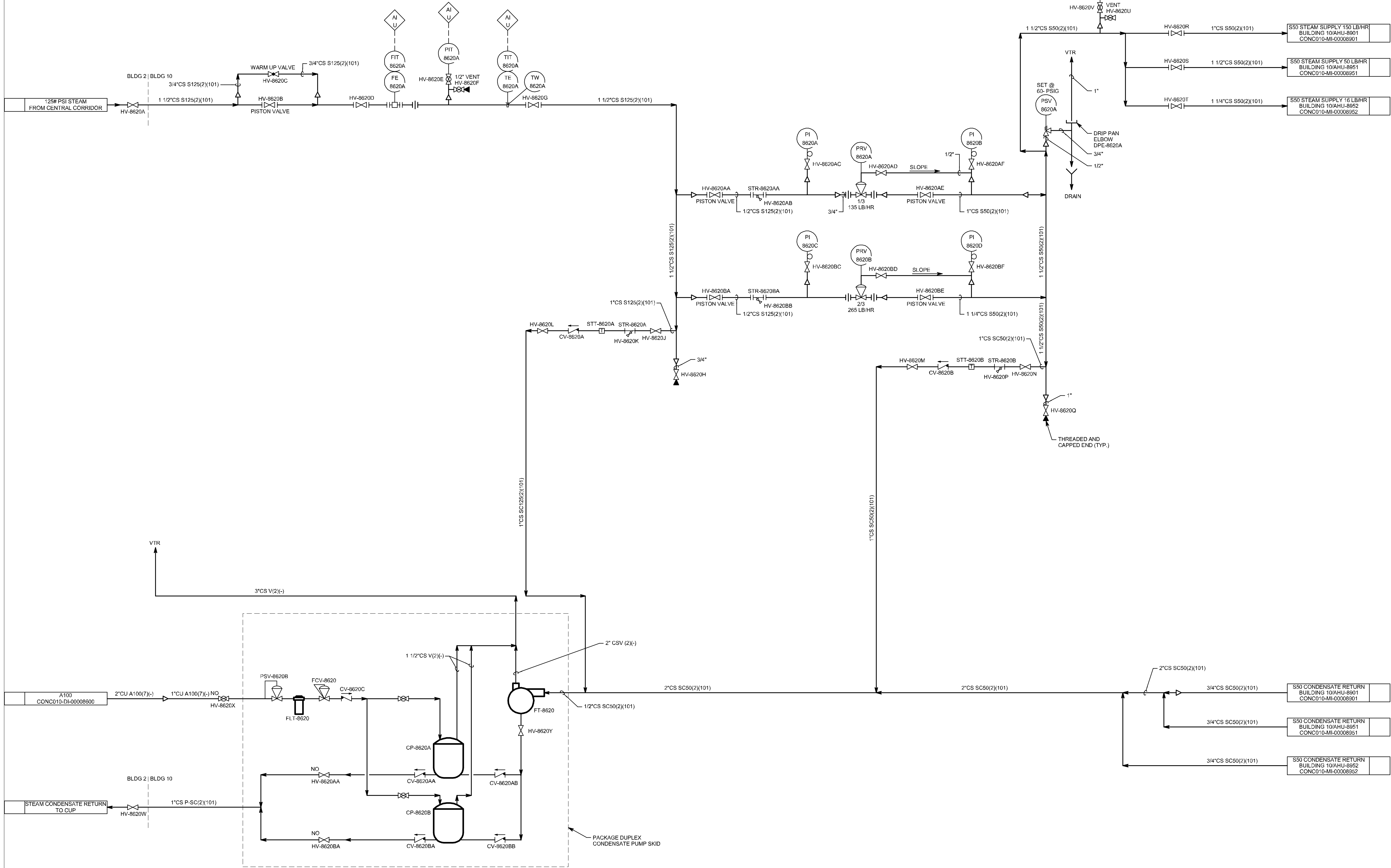


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Lilly
U.S.A.

**DOMESTIC COLD WATER P&ID
B10**

PROJECT NUMBER / DESCRIPTION		CHANGE CONTROL	DATE	SYSTEM TYPE	EDR/GE BUILDING	LEVEL/FLOOR
REVISIONS					CONC-010	N/A
CONFIDENTIAL INFORMATION					CCI CODE	PROJECT NAME
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CRITICAL HSE					DRAWING INTENTION	DRAWING SCALE
NON-CRITICAL					None	
VENDOR					ALTERNATE DOCUMENT ID	MECHANICAL REV
ENGINEERING AGENCY DOC ID					DOCUMENT ID	
					CONC010-DI-00008610	



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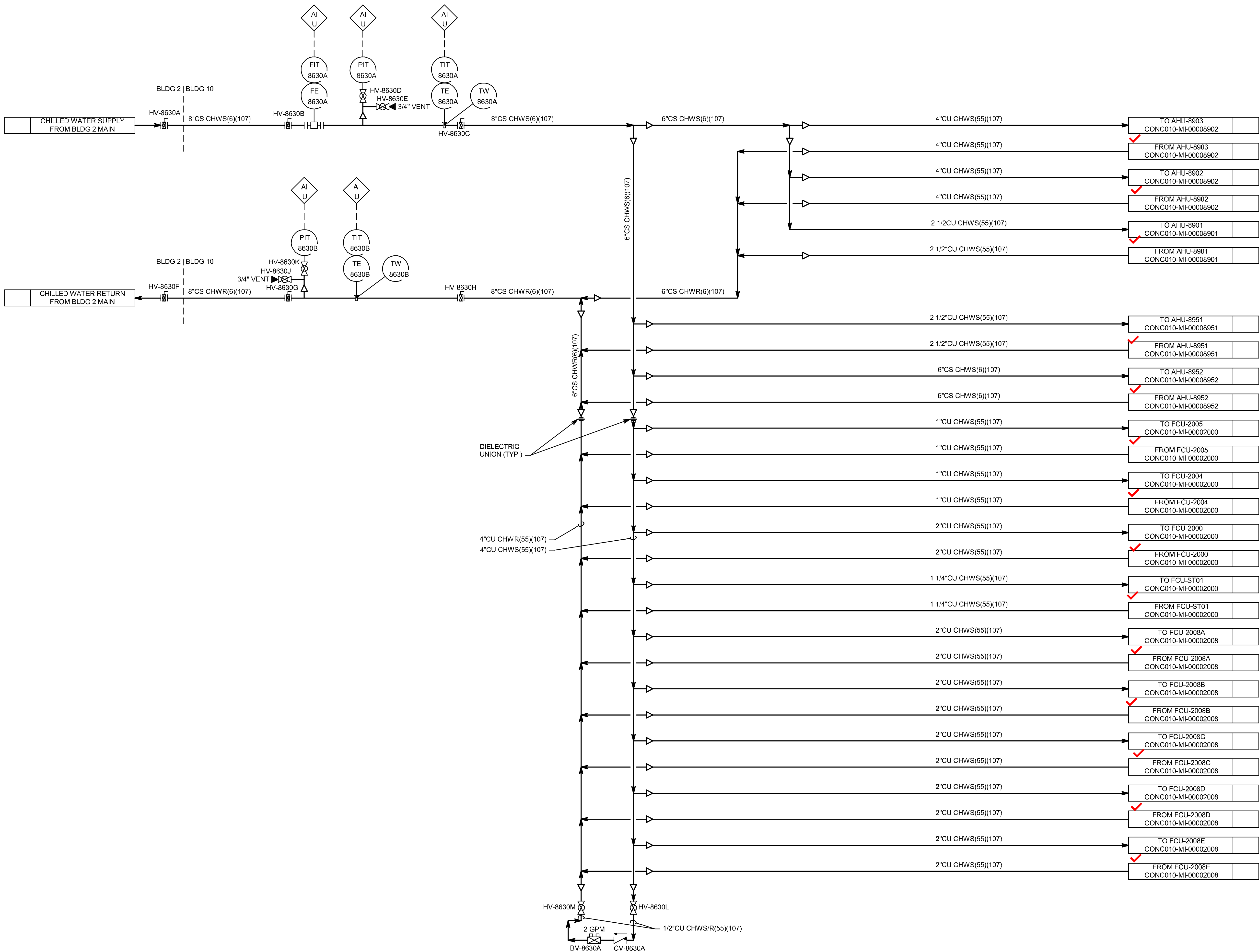


**STEAM P&ID
B10**

				SYSTEM TYPE		EDR/GE-BUILDING		LEVEL/FLOOR	
				SUB DISCIPLINE		CONC010		N/A	
				LOCATION CODE		CONC		LOCATION/GRID	
				N/A		N/A		PROJECT NAME	
				N/A		CCI CODE		CONC-300-5983	
				N/A		CCI CODE		YELLOW	
ALL 95% DESIGN REVIEW SET				N/A		27-Jan-2023		CRITICAL QUALITY	
ALL 50% DESIGN REVIEW SET				N/A		11-Nov-2022		CRITICAL BUSINESS	
REV. / ZONE		PROJECT NUMBER / DESCRIPTION		CHANGE CONTROL		DATE		MERIDIAN REV	
REVISIONS									
CONFIDENTIAL INFORMATION									
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CRITICAL HSE				VENDOR		DOCUMENT ID			
NON-CRITICAL				ENGINEERING AGENCY DOC ID		CONC010-DI-00008620			

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CHILLED WATER P&ID B10

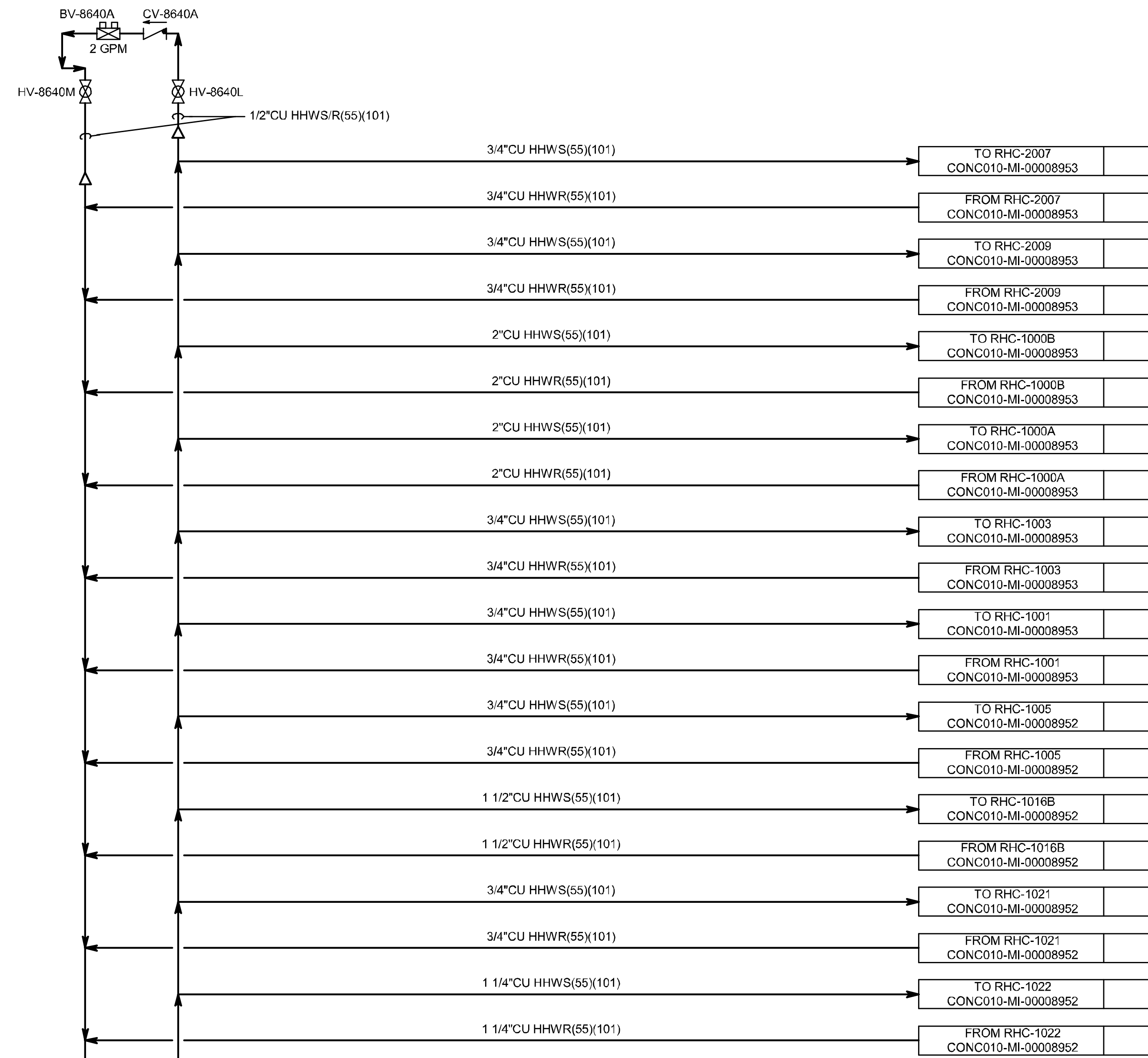
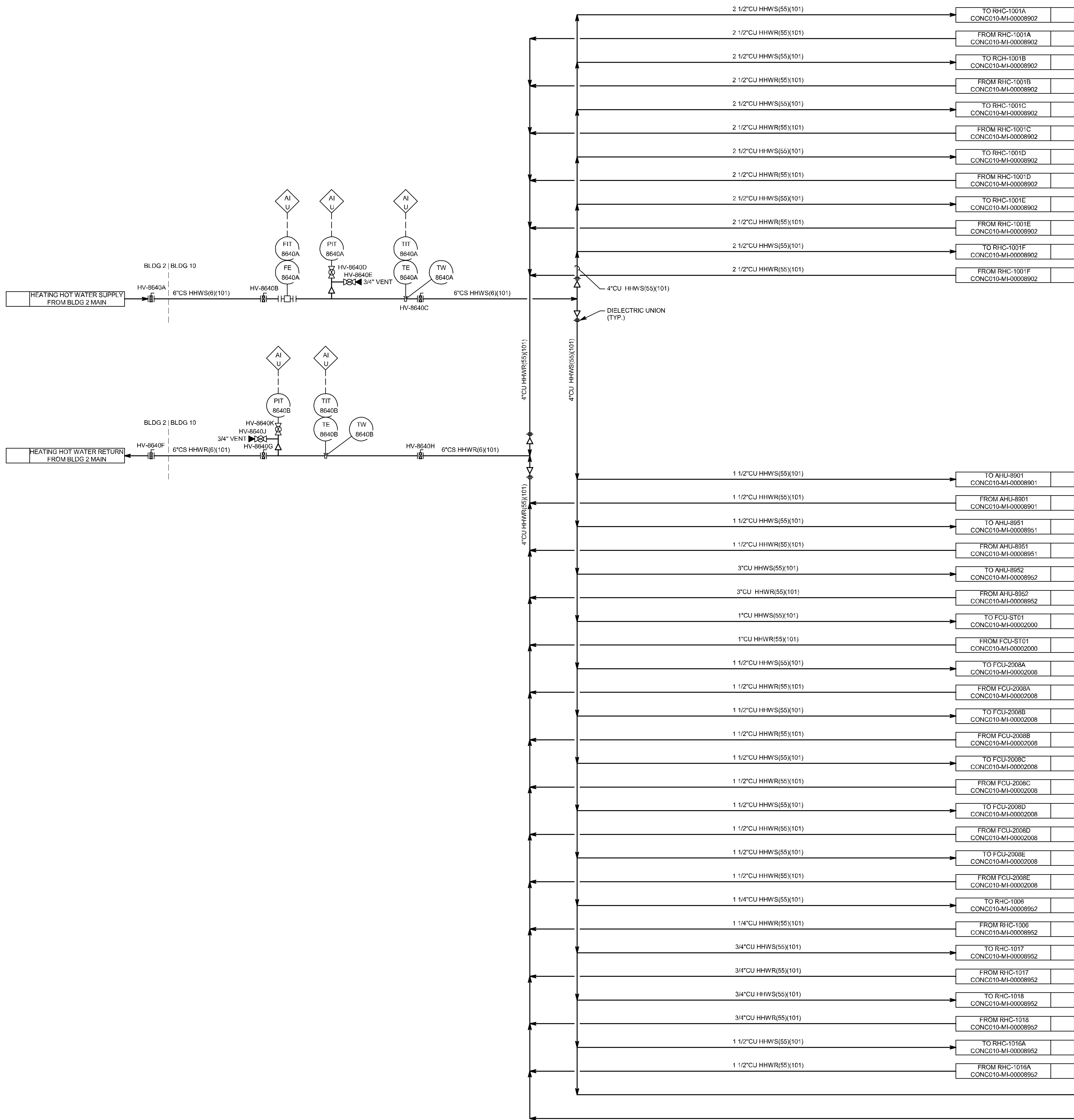
SYSTEM TYPE	CONC010	EDIFICIUM BUILDING	CONC010	LEVEL/FLOOR	N/A
SUB DISCIPLINE	DI	LOCATION CODE	CONC	LOCATION/GRID	N/A
CRITICAL QUALITY	No	ENTERPRISE GROUP	CDAP	DCI CODE	YELLOW
CRITICAL BUSINESS	Yes	EQUIPMENT CLASSIFICATION		DRAWING INTENTION	PROJECT NAME
CRITICAL HSE	No	VENDOR		ALTERNATE DOCUMENT ID	CONC-300-5983
NON-CRITICAL	No	ENGINEERING AGENCY DOC ID		DOCUMENT ID	CONC010-DI-00008630

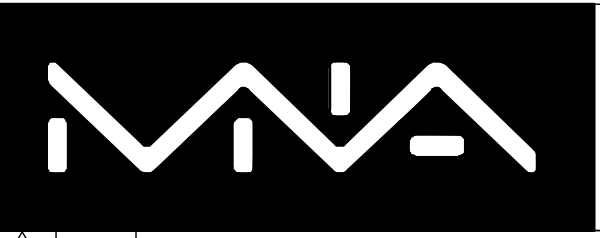
REVISIONS

REV.	ZONE	PROJECT NUMBER / DESCRIPTION	CHANGE CONTROL	DATE
1	ALL	95% DESIGN REVIEW SET	N/A	27-Jan-2023
2	ALL	50% DESIGN REVIEW SET	N/A	11-Nov-2022

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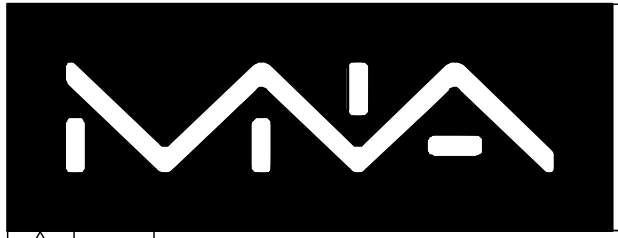
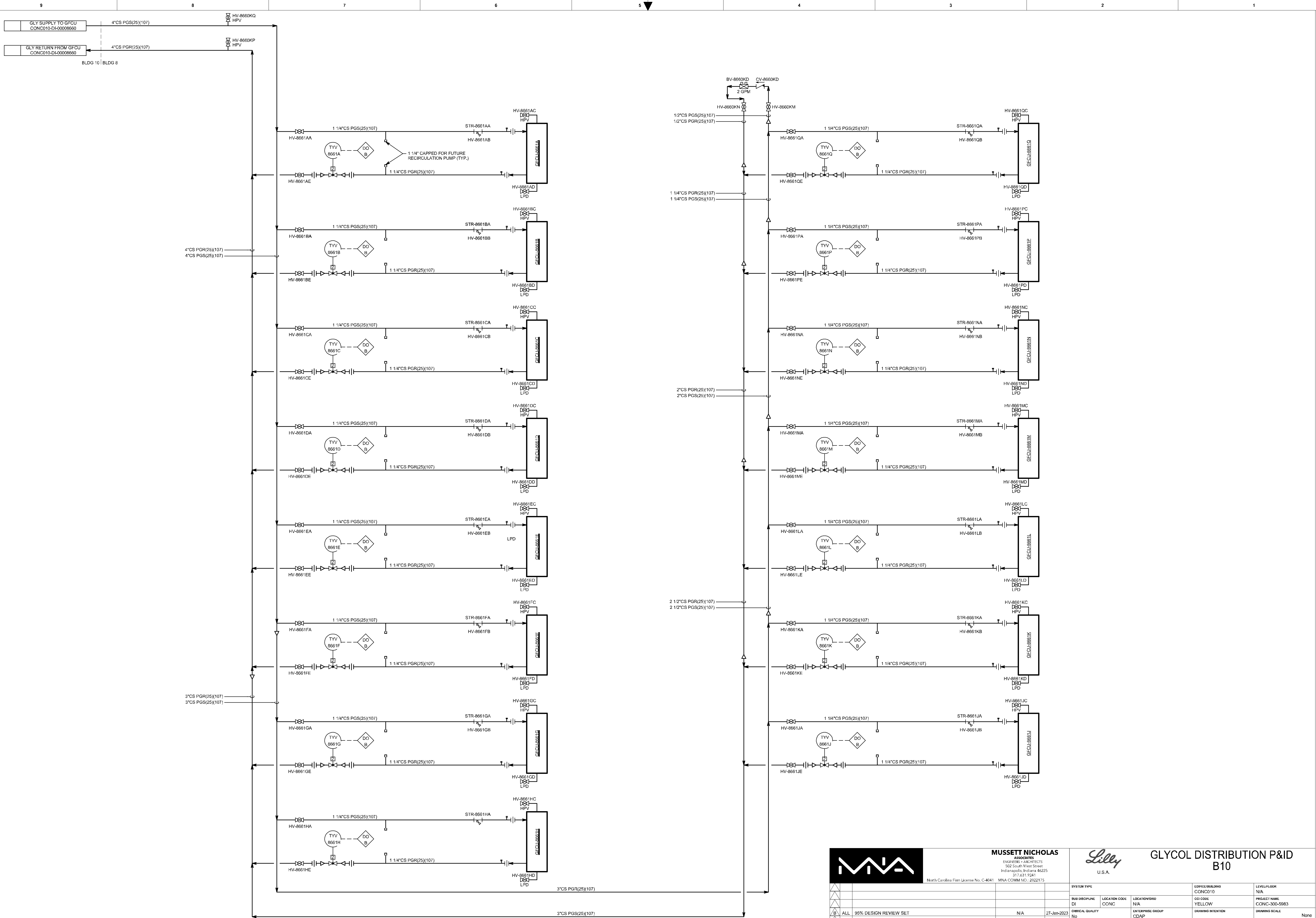


HEATING HOT WATER P&ID
B10

SYSTEM TYPE	CONC010	EDIFICIUM BUILDING	CONC010	LEVEL/FLOOR	N/A
SUB DISCIPLINE	DI	LOCATION CODE	CONC	LOCATION/GRID	N/A
CDI CODE	YELLOW	PROJECT NAME	CONC-300-5983	DRAWING SCALE	NONE
CRITICAL QUALITY	No	ENTERPRISE GROUP	CDAP	DRAWING INTENTION	NONE
CRITICAL BUSINESS	Yes	EQUIPMENT CLASSIFICATION		ALTERNATE DOCUMENT ID	
CRITICAL HSE	No	VENDOR		DOCUMENT ID	CONC010-DI-00008640
NON-CRITICAL	No	ENGINEERING AGENCY DOC ID			

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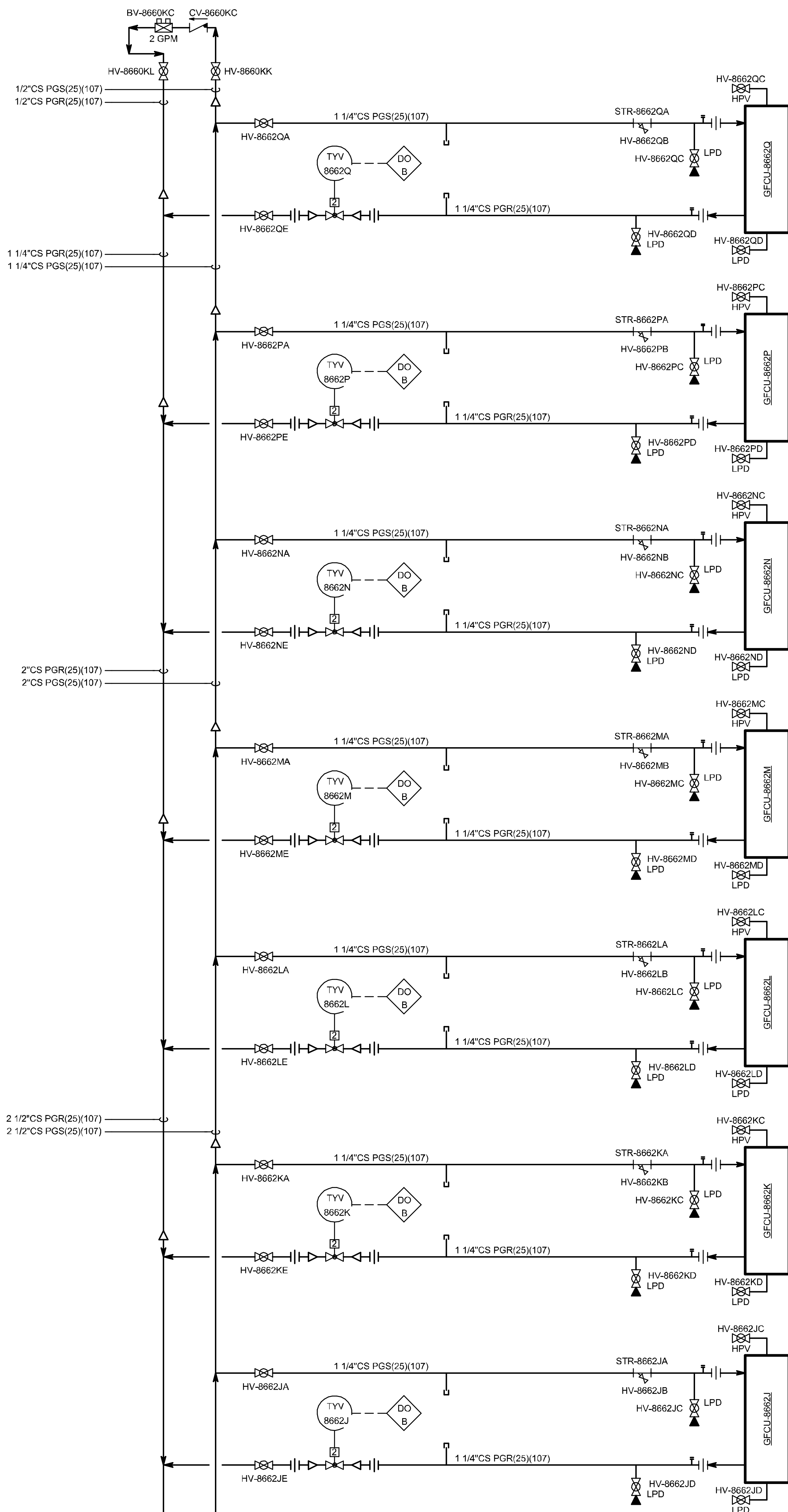
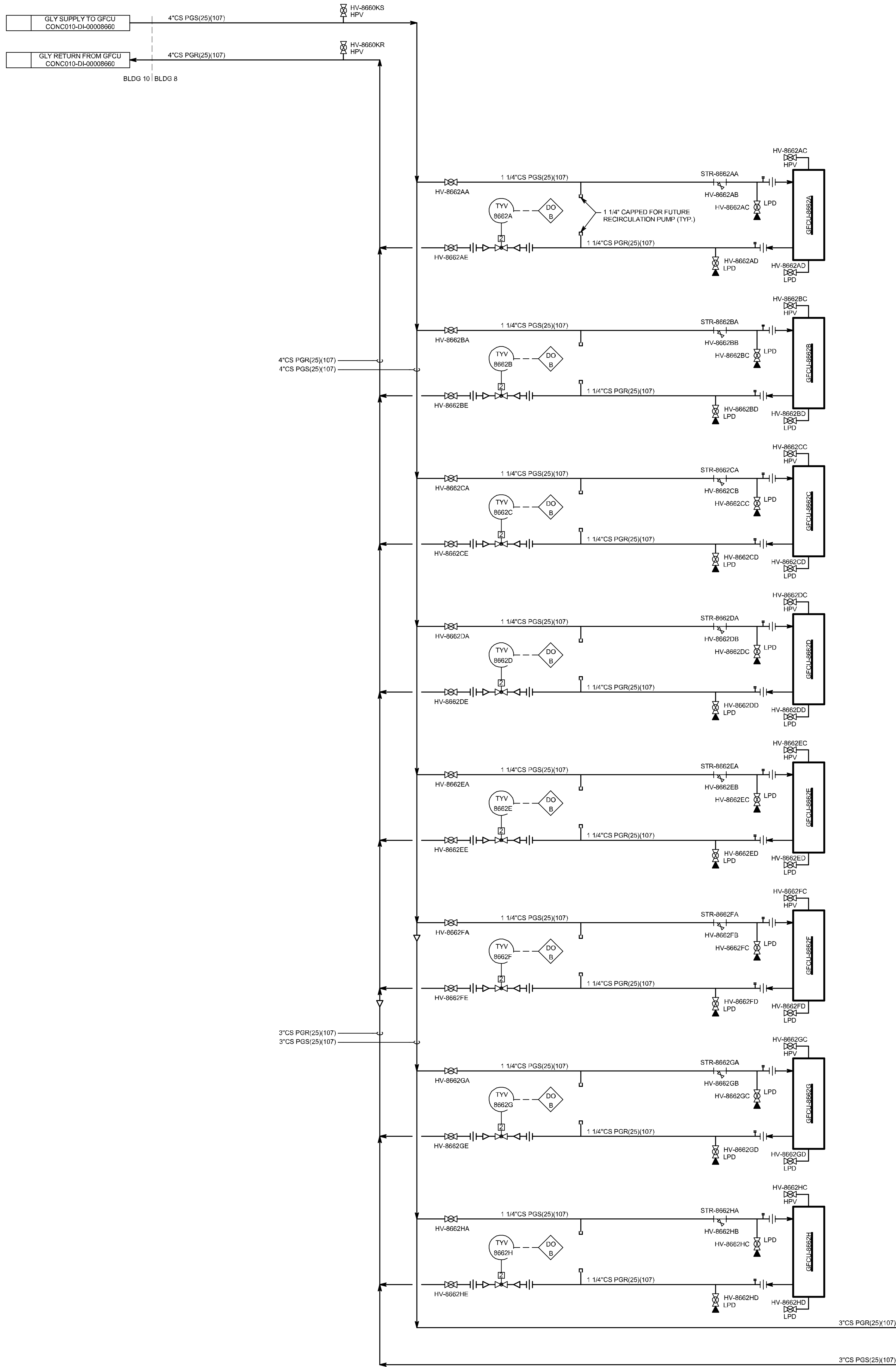
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**GLYCOL DISTRIBUTION P&ID
B10**

PROJECT NUMBER / DESCRIPTION		CHANGE CONTROL	DATE	SYSTEM TYPE		EDPR/GE/BUILDING	LEVEL/FLOOR
REVISIONS						CONC010	N/A
CONFIDENTIAL INFORMATION						CCI CODE	PROJECT NAME
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REV. / ZONE						DRAWING INTENTION	DRAWING SCALE
ALL		95% DESIGN REVIEW SET		27-Jun-2023		None	None
ALL		50% DESIGN REVIEW SET		11-Nov-2022		None	None
CRITICAL HSE		Yes		Equipment Classification		ALTERNATE DOCUMENT ID	
NON-CRITICAL		No		Vendor		DOCUMENT ID	
						CONC010-DI-00008661	



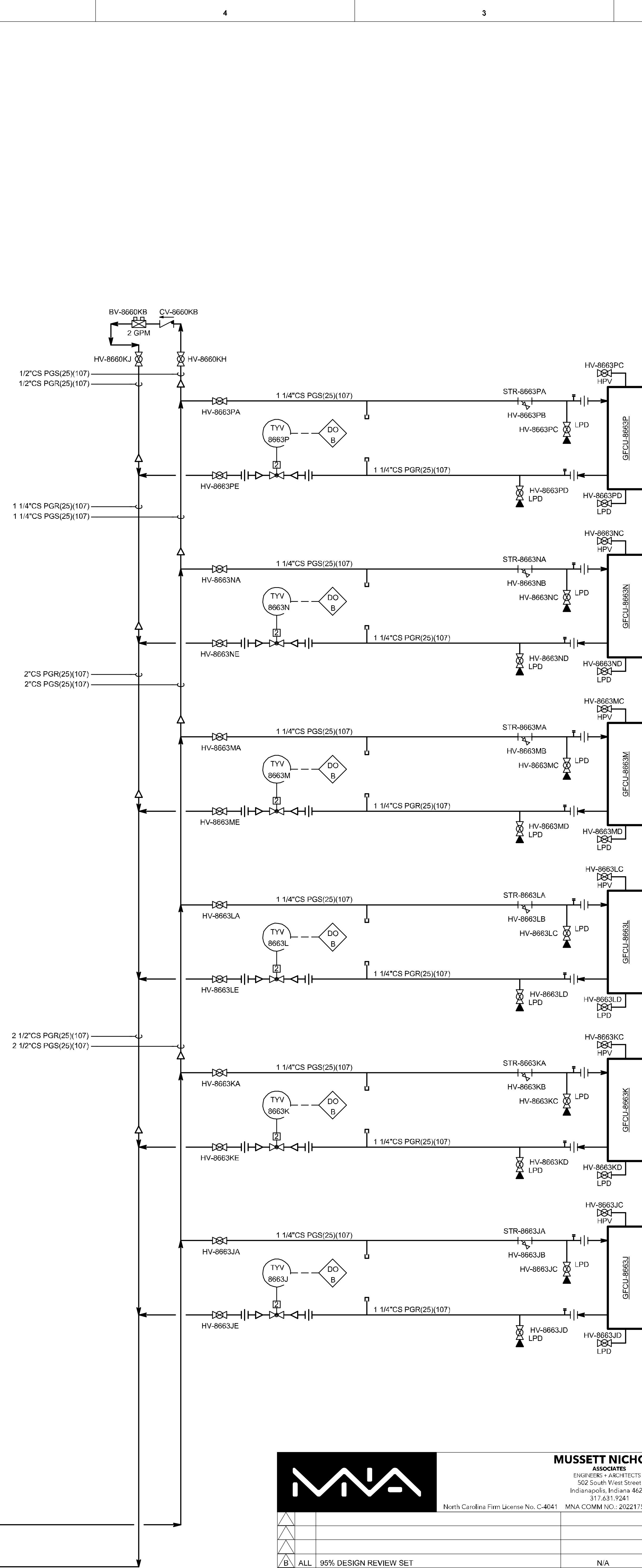


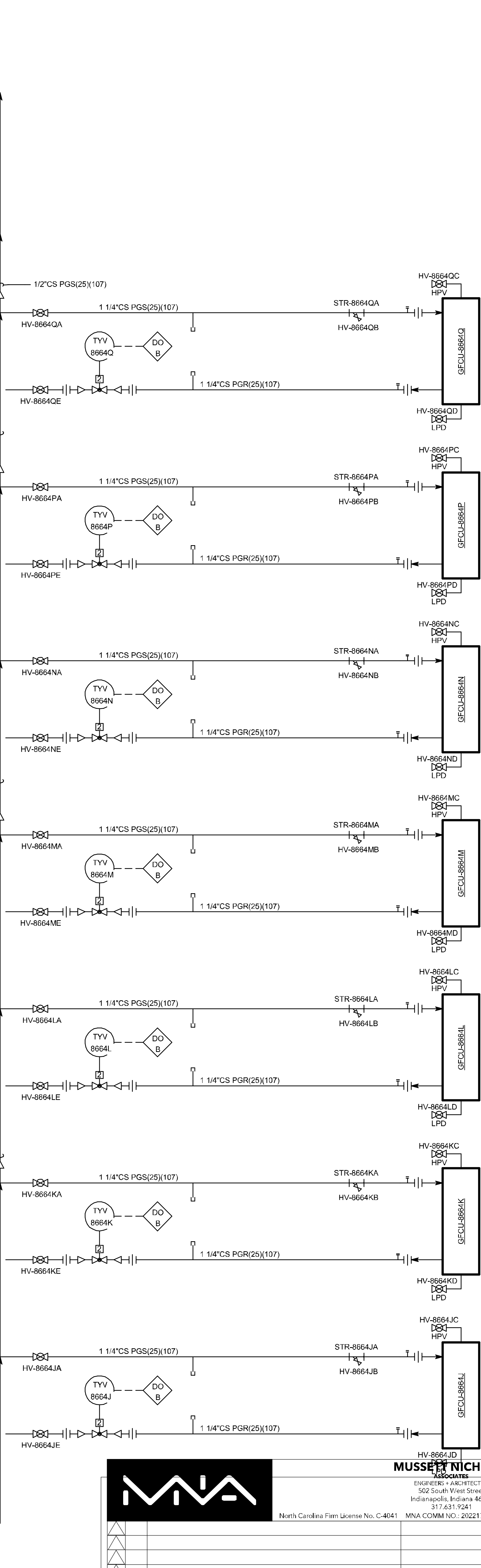
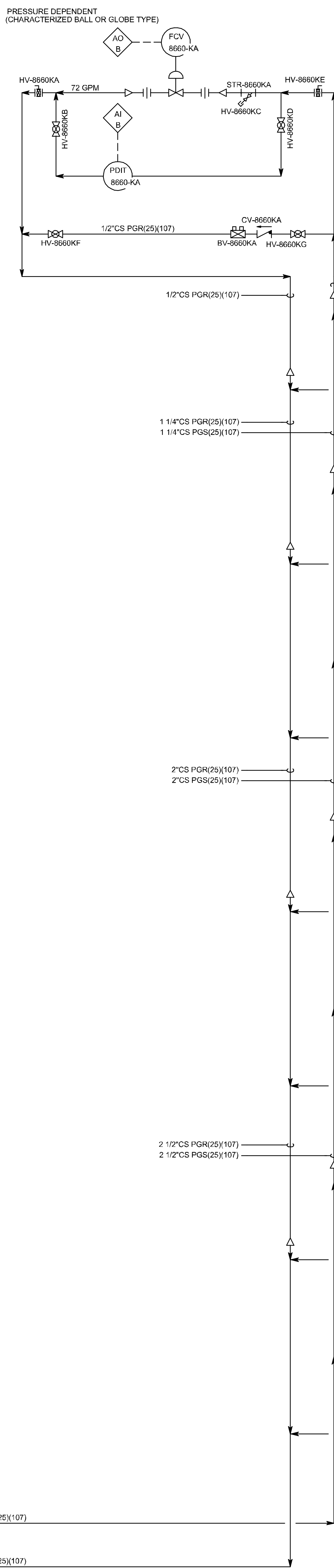
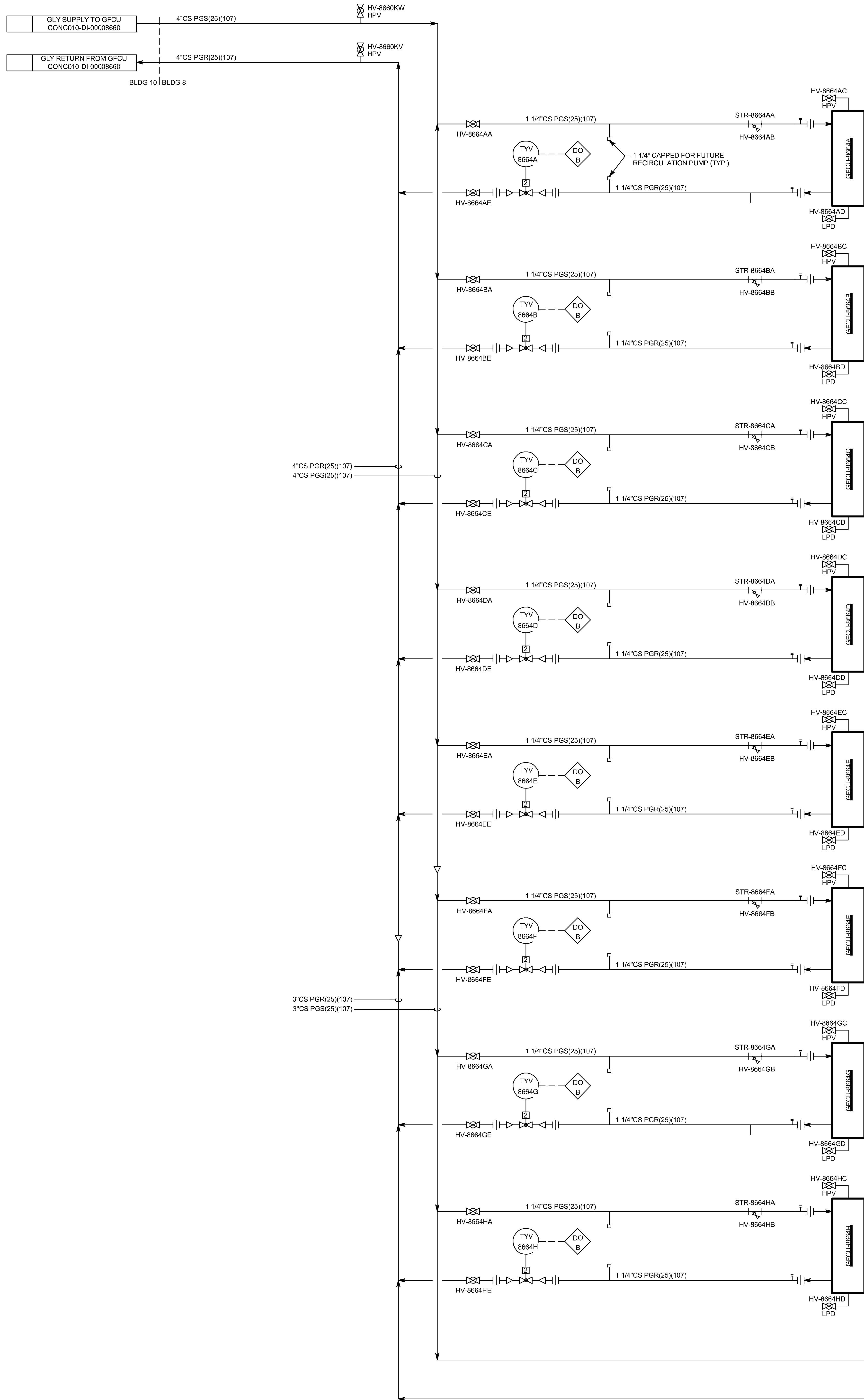
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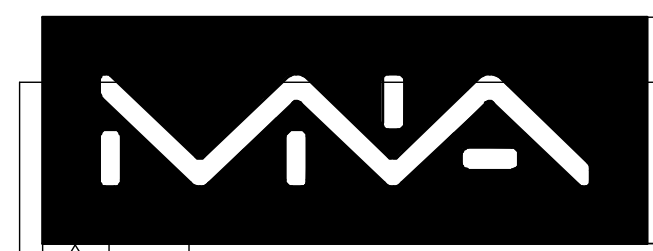


GLYCOL DISTRIBUTION P&ID B10

SYSTEM TYPE		EDR/GE/BUILDING CONC010		LEVEL/FLOOR	
SUB DISCIPLINE: DI		LOCATION CODE: N/A		PROJECT NAME: N/A	
CONC		N/A		CONC-300-5983	
CRITICAL QUALITY		ENTERPRISE GROUP		DRAWING INTENTION	
No		CDAP		Drawing Scale	
CRITICAL BUSINESS		EQUIPMENT CLASSIFICATION		ALTERNATE DOCUMENT ID	
Yes		N/A		MURDOGH REV	
CRITICAL HSE		VENDOR		DOCUMENT ID	
No		N/A		CONC010-DI-00008662	
NON-CRITICAL		ENGINEERING AGENCY DOG ID		N/A	

[illegible]





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GLYCOL DISTRIBUTION P&ID
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SYSTEM TYPE	CONC010	EDR/GE/BUILDING	N/A	LEVEL/FLOOR	
SUB DISCIPLINE	DI	LOCATION CODE	CONC	LOCATION/GRID	N/A
CRITICAL QUALITY	No	ENTERPRISE GROUP	CDAP	DCI CODE	YELLOW
CRITICAL BUSINESS	Yes	EQUIPMENT CLASSIFICATION		DRAWING INTENTION	PROJECT NAME
CRITICAL HSE	No	VENDOR		ALTERNATE DOCUMENT ID	CONC-300-5983
NON-CRITICAL	No	ENGINEERING AGENCY DOG ID		DOCUMENT ID	CONC010-DI-00008664

REVISIONS

REV.	ZONE	PROJECT NUMBER / DESCRIPTION	CHANGE CONTROL	DATE
B	ALL	95% DESIGN REVIEW SET	N/A	27-Jan-2023
A	ALL	50% DESIGN REVIEW SET	N/A	11-Nov-2022

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MARK		AREA SERVED	BASIS OF DESIGN	MAXIMUM OUTSIDE AIR CFM	TOTAL CFM	TSP IN.WG.	ESP IN.WG.	TYPE	ARRANG.	CLASS	MOTORS BHP/HP	FAN LOCATION	ELECTRICAL VOLTS/PH/Hz	PREHEATING/HEATING COIL CONDITIONS				COOLING COIL CONDITIONS								HUMIDIFIER COIL CONDITIONS						MIXED AIR PRE-FILTER				FINAL		WEIGHT (LBS)	REMARKS								
														EAT DEG F DB	LAT DEG F DB	EWT DEG F DB	LWT DEG F DB	TOTAL MBH	GPM	FPM MAX	MAX FINS PER INCH	EAT DEG F DB	EAT DEG F WB	LAT DEG F DB	LAT DEG F WB	TOTAL MBH	SEN MBH	EWT	LWT	GPM	APD WG	WPD FT H2O	ENTERING CONDITIONS (DEG F DB/ % RH)	LEAVING CONDITIONS (DEG F DB/ % RH)	STEAM PSI	STEAM LB/HR	MAX APD WG	PRE-FILTER	INTERMEDIATE FILTER	APD DIRTY (IN WG)	EFF.	APD DIRTY (IN WG)	EFF.				
														4	55	130	110	175	18	450	10	94.2	77.3	50	50	370.6	190.9	42	54	61	0.38	14.6	55 / 10%	57 / 70%	50	163	0.25	PLEATED	0.5	30	CART	1	85	-	-	7290	
														-	-	-	-	-	-	450	10	70.9	62	52	52	1160	837.3	42	54	193	0.5	12.7	-	-	-	-	-	PLEATED	0.5	30	CART	1	85	-	-	20340	
														-	-	-	-	-	-	450	10	70.9	62	52	52	1160	837.3	42	54	193	0.5	12.7	-	-	-	-	-	PLEATED	0.5	30	CART	1	85	-	-	20340	
														40	55	130	110	73	7.3	450	10	79.6	67	50	50	233	143.9	42	54	39	0.81	2.1	55 / 48%	57 / 70%	50	83	0.25	PLEATED	0.5	30	CART	1	85	1	95	8410	
														40	55	130	110	826	84	450	10	75.5	67	50	50	2639	140.4	42	54	440	0.68	12.2	55 / 37%	57 / 70%	50	350	0.25	PLEATED	0.5	30	CART	1	85	1	95	35650	

REHEAT COIL SCHEDULE																	
MARK NO.	AIR TERMINAL MARK	DESIGN AIRFLOW (CFM)	COIL SIZE (INCHES)		FACE VELOCITY (FPM)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	ENTERING WATER TEMP. (°F)	LEAVING WATER TEMP. (°F)	CAPACITY (MBH)	WATER FLOW RATE (GPM)	DESIGN AIR SIDE PRESSURE LOSS (IN. WC)	DESIGN WATER SIDE PRESSURE LOSS (FT. WC)	NUMBER OF ROWS	FINS PER INCH	CIRCUIT	REMARKS
			WIDTH	HEIGHT													
RHC-1000A	AHU-8952	14390	72	60	500	55	90	130	110	544	54	0.15	5	2	6		
RHC-1000B	AHU-8952	14390	72	60	500	55	90	130	110	544	54	0.15	5	2	6		
RHC-1001	AHU-8952	500	12	12	500	55	90	130	110	19	2	0.15	5	2	6		
RHC-1003	AHU-8952	600	14	14	500	55	90	130	110	23	2	0.15	5	2	6		
RHC-1005	AHU-8952	1550	26	18	500	55	90	130	110	59	6	0.15	5	2	6		
RHC-8951	AHU-8951	4250	42	30	500	55	90	130	110	161	16	0.15	5	2	6		
RHC-1016A	AHU-8952	7965	60	42	500	55	90	130	110	301	30	0.15	5	2	6		
RHC-1016B	AHU-8952	7965	60	42	500	55	90	130	110	301	30	0.15	5	2	6		
RHC-1017	AHU-8952	320	12	10	500	55	90	130	110	12	1	0.15	5	2	6		
RHC-1018	AHU-8952	290	10	10	500	55	90	130	110	11	1	0.15	5	2	6		
RHC-1021	AHU-8952	200	10	8	500	55	90	130	110	8	0.8	0.15	5	2	6		
RHC-2007	AHU-8952	700	16	16	500	55	90	130	110	26	3	0.15	5	2	6		
RHC-2009	AHU-8952	500	12	12	500	55	90	130	110	19	2	0.15	5	2	6		
RHC-0801A	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-0801B	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-0801C	AHU-8902&8903	6800	38	30	500	55	90	130	110	257	26	0.15	5	2	6		
RHC-0801D	AHU-8902&8903	3800	50	40	500	55	90	130	110	144	14	0.15	5	2	6		
RHC-0801E	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-0801F	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-2015	AHU-8952	130	8	8	500	55	90	130	110	5	0.5	0.15	5	2	6		

SHOWN ON DRAWING BASED ON TOTAL

DEHUMIDIFIER SCHEDULE																		
MARK	MANUFACTURER	MODEL	PROCESS CFM	EAT	LAT	PROCESS LB/HR	RACTIVATION HEATER			FILTER	AIRFLOW OUT CFM	TSP *WG	TYP	MOTOR			WEIGHT (LBS)	REMARKS
							TYPE	REQ. MBH	MAX LB/HR					HP	MCA	VOLT/PH/Hz		
DEH-0800ARM - DRM	BMIL	DZ-2000	2000	40	50.2	15	ECM, DIRECT DRIVE	34	15	2" MERV 8 (2 SETS)	1000	1.7	ECM, DIRECT DRIVE	1.5	30	480/3/60	915	

EXHAUST FAN SCHEDULE																	
MARK NO.	AIR TERMINAL MARK	DESIGN AIRFLOW (CFM)	COIL SIZE (INCHES)		FACE VELOCITY (FPM)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	ENTERING WATER TEMP. (°F)	LEAVING WATER TEMP. (°F)	CAPACITY (MBH)	WATER FLOW RATE (GPM)	DESIGN AIR SIDE PRESSURE LOSS (IN. WC)	DESIGN WATER SIDE PRESSURE LOSS (FT. WC)	NUMBER OF ROWS	FINS PER INCH	CIRCUIT	REMARKS
			WIDTH	HEIGHT													
RHC-1000A	AHU-8952	14390	72	60	500	55	90	130	110	544	54	0.15	5	2	6		
RHC-1000B	AHU-8952	14390	72	60	500	55	90	130	110	544	54	0.15	5	2	6		
RHC-1001	AHU-8952	500	12	12	500	55	90	130	110	19	2	0.15	5	2	6		
RHC-1003	AHU-8952	600	14	14	500	55	90	130	110	23	2	0.15	5	2	6		
RHC-1005	AHU-8952	1550	26	18	500	55	90	130	110	59	6	0.15	5	2	6		
RHC-8951	AHU-8951	4250	42	30	500	55	90	130	110	161	16	0.15	5	2	6		
RHC-1016A	AHU-8952	7965	60	42	500	55	90	130	110	301	30	0.15	5	2	6		
RHC-1016B	AHU-8952	7965	60	42	500	55	90	130	110	301	30	0.15	5	2	6		
RHC-1017	AHU-8952	320	12	10	500	55	90	130	110	12	1	0.15	5	2	6		
RHC-1018	AHU-8952	290	10	10	500	55	90	130	110	11	1	0.15	5	2	6		
RHC-1021	AHU-8952	200	10	8	500	55	90	130	110	8	0.8	0.15	5	2	6		
RHC-2007	AHU-8952	700	16	16	500	55	90	130	110	26	3	0.15	5	2	6		
RHC-2009	AHU-8952	500	12	12	500	55	90	130	110	19	2	0.15	5	2	6		
RHC-0801A	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-0801B	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-0801C	AHU-8902&8903	6800	38	30	500	55	90	130	110	257	26	0.15	5	2	6		
RHC-0801D	AHU-8902&8903	3800	50	40	500	55	90	130	110	144	14	0.15	5	2	6		
RHC-0801E	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-0801F	AHU-8902&8903	18350	96	54	500	55	90	130	110	694	69	0.15	5	2	6		
RHC-2015	AHU-8952	130	8	8	500	55	90	130	110	5	0.5	0.15	5	2	6		

DIFFUSER/GRILLE SCHEDULE																	
MARK NO.	MANUF. & MODEL NO.	SERVICE	MAX CFM.	MAT.	NECK SIZE	FRAME	ACCESSORY	MAX NC RATING	FINISH	REMARKS							
A16	PRICE RCD	ROUND CONE SUPPLY DIFFUSER	900	STEEL	16"	36"	-	20	WE	FOUR CONE							
B10	PRICE RTD	RADIAL TWIST SUPPLY DIFFUSER	400	ALUMINUM	10"	24" X 24"	-	20	WE	T-BAR LAY-IN							
C6	PRICE SPD	SQUARE PLAQUE SUPPLY DIFFUSER	100	ALUMINUM	6"	24" X 24"	-	20	WE	T-BAR LAY-IN							
C8	PRICE SPD	SQUARE PLAQUE SUPPLY DIFFUSER	200	ALUMINUM	8"	24" X 24"	-	20	WE	T-BAR LAY-IN							
C10	PRICE SPD	SQUARE PLAQUE SUPPLY DIFFUSER	370	ALUMINUM	10"	24" X 24"	-	20	WE	T-BAR LAY-IN							
C12	PRICE SPD	SQUARE PLAQUE SUPPLY DIFFUSER	420	ALUMINUM	12"	24" X 24"	-	20	WE	T-BAR LAY-IN							
C14	PRICE SPD	SQUARE PLAQUE SUPPLY DIFFUSER	650	ALUMINUM	14"	24" X 24"	-	20	WE	T-BAR LAY-IN							
D8	PRICE PDDR	PERFORATED RETURN DIFFUSER	200	ALUMINUM	8"	24" X 24"	-	20	WE	T-BAR LAY-IN							
D10	PRICE PDDR	PERFORATED RETURN DIFFUSER	350	ALUMINUM	10"	24" X 24"	-	20	WE	T-BAR LAY-IN							
E10	AAF	HEPA SUPPLY DIFFUSER	250	316L STAINLESS STEEL	10"	24" X 24"	INTEGRAL DAMPER	25	-	STAINLESS STEEL KNIFE EDGE WITH GEL SEAL FURNISHED BY CLEAN ROOM VENDOR							
F12	AAF	HEPA SUPPLY DIFFUSER	500	316L STAINLESS STEEL	12"	24" X 48"	INTEGRAL DAMPER	25	-	STAINLESS STEEL KNIFE EDGE WITH GEL SEAL FURNISHED BY CLEAN ROOM VENDOR							
G12X36	PRICE HCD	HIGH CAPACITY DRUM LOUVER	1700	STEEL	12" X 36"	12" X 36"	INTEGRAL DAMPER	25	WE	-							
H12X8	PRICE 2030	AIRFOIL SUPPLY GRILLE	425	STEEL	12" X 8"	12" X 8"	INTEGRAL DAMPER	25	-	-							
H18X10	PRICE 2030	AIRFOIL SUPPLY GRILLE	640	STEEL	18" X 10"	18" X 10"	INTEGRAL DAMPER	25	-	-							
H18X12	PRICE 2030	AIRFOIL SUPPLY GRILLE	900	STEEL	18" X 12"	18" X 12"	INTEGRAL DAMPER	25	-	-							
H24X12	PRICE 2030	AIRFOIL SUPPLY GRILLE	1320	STEEL	24"X12"	24"X12"	INTEGRAL DAMPER	25	-	-							
J4	PRICE ND	NOZZLE SUPPLY DIFFUSER	60	STEEL	4"	6"	INTEGRAL DAMPER	40	-	-							
K16X10	PRICE 80	EGG CRATE RETURN GRILLE	360	STEEL	16" X 10"	16" X 10"	INTEGRAL DAMPER	25	-	-							
K18X12	PRICE 80	EGG CRATE RETURN GRILLE	1000	STEEL	18" X 12"	18" X 12"	INTEGRAL DAMPER	25	-	-							
K20X16	PRICE 80	EGG CRATE RETURN GRILLE	1300	STEEL	20" X 16"	20" X 16"	INTEGRAL DAMPER	25	-	-							
L12	PRICE PDDR	PERFORATED RETURN DIFFUSER	100	ALUMINUM	8"	12" X 12"	-	20	WE	T-BAR LAY-IN							
M8	PRICE SPD	SQUARE PLAQUE SUPPLY DIFFUSER	200	ALUMINUM	8"	12" X 12"	-	20	WE	T-BAR LAY-IN							
ECRG	PRICE 80	EGG CRATE RETURN GRILLE	-	ALUMINUM	-	24X24	-	20	WE	T-BAR LAY-IN							

EXPLOST FAN SCHEDULE														
MARK	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	E.S.P. ("W.C.)	ARR	MOTOR			WEIGHT (LBS)	REMARKS
										HP	RPM	VOLT/PH/Hz		
FAN-8951EX	BLDG. 10 MECH. ROOM	SAMPLING SUITE BSC	AEROVENT	135/CB-SW	PBLAST	DIRECT	1120	2	4	1	1800	460/3/60	381	304 SS CONSTRUCTION
FAN-8952AEX	BLDG. 10 MECH. ROOM	PALLET WASHER	AEROVENT	165/CB-SW	PBLAST	DIRECT	2800	2	4	2	1800	460/3/60	476	
FAN-8952BEX	BLDG. 10 MECH. ROOM	RESTROOMS	AEROVENT	135-CB-SW	PBLAST	DIRECT	1270	1	4	1	1800	460/3/60	381	
FAN-2000EX	BLDG. 10 MECH. ROOM	UPS ROOM	TWIN CITY	DSI	INLINE	DIRECT	600	1	-	0.75	1800	115/1/60	96	
DESTRATIFICATION FAN SCHEDULE														
MARK	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	S.P. ("W.C.)	MOTOR HP	REMARKS				
FAN-0801ARM - 0801ERM	BLDG. 8	DESTRATIFICATION	AEROVENT	TA-16L4	VERTICAL DOWNBLOW MOUNT	DIRECT	2276	0.125	0.25	DOWN BLOW				
FAN-0801FRM - 0801SRM	BLDG. 8	DESTRATIFICATION	AEROVENT	TA-16L4	VERTICAL UPBLOW MOUNT	DIRECT	2276	0.125	0.33	UPWARD BLOW				

VENTURI AIR VALVE SCHEDULE																	
MARK NO.	SERVICE	SIZE (INCHES)	QUANTITY	AIRFLOW (CFM)				END-USE ROOM	VALVE LOCATION	MANUFACTURER	TYPE	ACTUATOR	SPEED	DESIGNATION	DESCRIPTION	ORIENTATION	COMMENTS
				DESIGN MIN	DESIGN MAX	VALVE MIN	VALVE MAX										
LVS-1006	SUPPLY	14	DOUBLE	2400	2400	400	2800	SAMPLING SUITE	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVS-1009	SUPPLY	12	SINGLE	580	580	90	1050	MAL-IN(C)	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVS-1010	SUPPLY	8	SINGLE	180	180	35	500	MAL-IN(D)	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVS-1011	SUPPLY	8	SINGLE	170	170	35	500	PAL-IN(D)	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVS-1012	SUPPLY	12	SINGLE	500	500	90	1050	PAL-IN(C)	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVS-1013	SUPPLY	8	SINGLE	190	190	35	500	PAL-OUT(D)	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVS-1014	SUPPLY	8	SINGLE	230	230	35	500	MAL-OUT(D)	MECHANICAL ROOM 10-2008	PHOENIX	CSV	N/A	N/A	LOW PRESSURE	CAV	VERTICAL	
LVR-1006	RETURN	14	DOUBLE	680	1150	400	2800	SAMPLING SUITE	MECHANICAL ROOM 10-2008	PHOENIX	BEV	ELECTRIC	HIGH	LOW PRESSURE	VAV	VERTICAL	
LVE-1006	EXHAUST	12	DOUBLE	600	1200	180	2100	SAMPLING SUITE	MECHANICAL ROOM 10-2008	PHOENIX	BEV	ELECTRIC	HIGH	LOW PRESSURE	VAV	VERTICAL	PHENOLIC COATING

STEAM PRESSURE REDUCING VALVE SCHEDULE									
MARK	LOCATION	MANUFACTURER	MODEL	SERVICE	VALVE SIZE (IN.)	INLET PSIG	OUTLET PSIG	LBS/HR	REMARKS
PRV-8620A	BLDG. 10 MECH. ROOM	ARMSTRONG	GD-6N	50 PSIG STEAM	3/4	125	50	150	1/3 VALVE
PRV-8620B	BLDG. 10 MECH. ROOM	ARMSTRONG	GD-6N	50 PSIG STEAM	1	125	50	300	2/3 VALVE

GLYCOL FAN COIL UNIT SCHEDULE																							
MARK	SERVES	MANUFACTURER	MODEL	QUANTITY	SUPPLY AIR (CFM)	FAN		EAT DB/WB	LAT DB	FLUID TYPE/CONCENTRATION	UNIT MBH	REQUIRED MBH	FLUID (DEG. F) IN/OUT	GPM	FIN PER IN	ROWS	PSI DROP	MCA	MOP	VOLT/PH/HZ	WEIGHT (LBS)	REMARKS	
						QUANTITY	HP																
GFCU-8661A - Q, 8662 A - Q, 8663 A - N, 8664 A - P	CHILL ROOM 08-1001	BALLY	BHP086WA-T4A-7SA75	59	15230	2	1	41 / 37.2	37.5	30% PROPYLENE GLYCOL	57.1	51.3	25 / 34	12	7	4	6.4	5.4	15	460/3/60	700	PROVIDE WITH INSULATED DRAIN PAN	

MISCELLANEOUS EQUIPMENT SCHEDULE									
MARK	DESCRIPTION	MANUFACTURER	MODEL	SERVICES	OPERATING DATA OR PHYSICAL DATA				
TK-8610A	SAFETY SHOWER TANK	AO SMITH	ACV*-500	SAFETY SHOWER	ASME SECTION VIII, 125 PSI WORKING PRESSURE, 2" INLET, 2" OUTLET				
FE-1006Q	AIRFLOW MEASURING STATION	ACCUTROL	VORTEK VTD	SAMPLING (C) 10-1006	20" ROUND DUCT, 304SS PROBE, 2 PROBES				
FE-1009Q	AIRFLOW MEASURING STATION	ACCUTROL	VORTEK VTD	MAL-IN (C) 10-1009	12" ROUND DUCT, 304SS PROBE, 1 PROBES				
FE-1012Q	AIRFLOW MEASURING STATION	ACCUTROL	VORTEK VTD	PAL-IN (C) 10-1012	12" ROUND DUCT, 304SS PROBE, 1 PROBES				
CSF-8660H	CHEMICAL POT FEEDER	WESSELS	SS-CPBF-5F	GLYCOL PUMP SKID	5 GALLON VOLUME				
TK-8620	FLASH TANK	TACO	BLT0850F-125N	STEAM SYSTEM	5,000 LB/HR MAX CONDENSATE LOAD, HORIZONTAL FLASH TANK				
TK-8660C	BUFFER TANK	TACO	BLT0850F-125N	GLYCOL PUMP SKID	850 GALLON TANK VOLUME				
UNIT HEATER SCHEDULE									
MARK	MANUFACTURER	MODEL	SERVES	WATS	VOLTS/PHASE/AMPS	CFM	REMARKS		
UH-1015	INDECO	WCI SERIES	RISER ROOM (10-1015)	2000	277/1/7.6	160	INTEGRAL TSTAT, CATALOG NUMBER: 932U02000N		
UH-1019	INDECO	WCI SERIES	RISER ROOM (10-1019)	2000	277/1/7.6	160	INTEGRAL TSTAT, CATALOG NUMBER: 932U02000N		

GLYCOL CHILLER SCHEDULE																				
TAG	LOCATION	MANUFACTURER	MODEL	TYPE	REFRIGERANT	NOMINAL TONNAGE	NUMBER OF COMPRESSORS	GPM	EVAPORATOR				CONDENSER		ELECTRICAL			EFFICIENCY EER	WEIGHT (LBS)	REMARKS
									EWTF DEG. F	LWTF DEG. F	WPD (FT)	FOULING FACT	FANS	EAT DEG. F	VOLT/PH	MCA	MOP			
CHLR-8660A	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	CHLR-8660A, B, C, D ARE CONNECTED IN A BANK OF 4 MODULES
CHLR-8660B	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	
CHLR-8660C	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	
CHLR-8660D	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	
CHLR-8660E	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	CHLR-8660E, F, G, H ARE CONNECTED IN A BANK OF 4 MODULES
CHLR-8660F	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	
CHLR-8660G	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	
CHLR-8660H	B10 ROOF	TRANE	TPACVMV0600D4-MM	SCROLL	410A	60	2	113	34	25	14.3	0.0001	4	95	460/3	106	150	7.47	5000	

UH-1015		INDECO	WCI SERIES	RISER ROOM (10-1015)	2000	277/1/7.6	160	INTEGRAL TSTAT, CATALOG NUMBER: 932U20000N	
UH-1019		INDECO	WCI SERIES	RISER ROOM (10-1019)	2000	277/1/7.6	160	INTEGRAL TSTAT, CATALOG NUMBER: 932U20000N	

EXPANSION TANK SCHEDULE									
MARK	MANUFACTURER	MODEL	LOCATION	SYSTEM	CAPACITY (GALLON)	DIAMETER (IN.)	HEIGHT (IN.)	100% FULL WEIGHT (LBS)	REMARKS
TK-8660A	WESSELS	NLAP-560	MECHANICAL ROOM 10-2008	GLYCOL CHILLED WATER	147	30	53	1550	ASME RATED; PART OF PACKAGED GLYCOL CHILLED WATER SKID

PRESSURE SAFETY VALVE SCHEDULE							
MARK	MANUFACTURER	MODEL	SERVES	SIZE	FLOW RATE (LB/HR)	SET PRESSURE (PSIG)	REMARKS
PSV-8620A	KUNKLE	6010	50 PSIG STEAM	1/2"	442	60	

DAMPER SCHEDULE							
MARK	MANUFACTURER	MODEL	SERVES	WIDTH	HEIGHT	CONFIGURATION	REMARKS

GLYCOL/CHILLED WATER PUMP SCHEDULE																			
MARK	LOCATION	MANUFACTURER	MODEL	TYPE	SERVICE	GPM	HEAD (FT)	WATER	ELECTRICAL	EFF (%)	WEIGHT (LBS)	REMARKS							
P-8660B	MECHANICAL ROOM 10-2008	WESSELS	GMPT-33050	-	GLYCOL MAKUP PACKAGE	1.8	92	1/3	-	110/1/60	-	236	PACKAGED GLYCOL MAKEUP SKID PART OF PACKAGED GLYCOL CHILLED WATER SKID EI-8660						
P-8660C	MECHANICAL ROOM 10-2008	B&G	e-1532 3EB	-	PRIMARY GLYCOL PUMP	364	100	20	3600	460/3/60	70	400	PART OF PACKAGED GLYCOL CHILLED WATER SKID EI-8660						
P-8660F	MECHANICAL ROOM 10-2008	B&G	e-1532 3EB	-	PRIMARY GLYCOL PUMP	364	100	20	3600	460/3/60	70	400	PART OF PACKAGED GLYCOL CHILLED WATER SKID EI-8660						
P-8660G	MECHANICAL ROOM 10-2008	B&G	e-1532 3EB	-	PRIMARY GLYCOL PUMP	364	100	20	3600	460/3/60	70	400	PART OF PACKAGED GLYCOL CHILLED WATER SKID EI-8660						

FAN COIL UNIT SCHEDULE																				
MARK	SERVED	MANUFACTURER	MODEL	SUPPLY AIR (CFM)	OA (CFM)	FAN ECM MOTOR (HP)	ESP	EAT DB/WB	LAT DB/WB	CHILLED TOTAL MBH	DELTA T WATER	GPM	HEAT LAT	HEAT LAT	HEAT TOTAL MBH	DELTA T WATER	GPM	VOLT/PH/Hz	WEIGHT (LBS)	REMARKS
FCU-ST01	STAIR (10-ST-01)	DAIKEN	BCHD0301	1840	0	1	1	75	55	64	12	11	65	90	49.7	20	5	208/3/60	309	
FCU-1023	BYPASS (10-1023)	DAIKEN	BCHD0101	1000	0	1	2	-	-	-	-	-	-	-	-	-	-	115/1/60	343	FAN FILTER UNIT
FCU-2004	ELECTRICAL SUBSTATION (10-2004)	DAIKEN	BCHD0301	3120	0	1	1	75	55	112	12	20	-	-	-	-	-	208/3/60	547	
FCU-2000	UPS (10-2000)	DAIKEN	BCHD0061	550	0	1	0.5	75	55	18	12	4	-	-	-	-	-	115/1/60	197	
FCU-2005	TELECOM (10-2005)	DAIKEN	BCHD0101	850	0	1	0.5	75	55	35	12	6	-	-	-	-	-	115/1/60	353	
FCU-2008 A - E	MECH. ROOM (10-2008)	DAIKEN	BCHD0401	3340	340	1	1.5	75	55	135	12	24	65	90	90	20	9	208/3/60	760	