



Palisades Nuclear Plant
Operated by Nuclear Management Company, LLC

January 26, 2006

10 CFR 54

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

Supplementary Copies of License Renewal Drawings Related to Application for
Renewed Operating License - Palisades Nuclear Plant

In a letter dated March 22, 2005, Nuclear Management Company (NMC) submitted the Application for Renewed Operating License - Palisades Nuclear Plant, for NRC review and approval. In a subsequent letter dated March 23, 2005, NMC provided an information set of License Renewal Scoping Boundary drawings to assist the NRC with its review of the application. Since that submittal, extensive interaction has occurred between NMC's License Renewal Project staff and various NRC auditors, reviewers and inspectors. In some cases these interactions identified the need for drawing changes to reflect updated scoping boundary information as discussed with the NRC. The NRC has requested that a copy of those drawings, that have been updated to reflect the identified changes, be provided for record purposes.

Accordingly, this letter transmits, in Enclosure 1, information copies of thirty scoping boundary drawings that have been updated to reflect changes and corrections identified during the NRC audits, inspections and reviews. These drawings replace the earlier revisions submitted in the NMC letter dated March 23, 2005.

Please contact Mr. Robert Vincent, License Renewal Project Manager, at 269-764-2559, if you require additional information related to this request.

Summary of Commitments

There are no commitments or changes to commitments contained in this letter.

Paul A. Harden
Site Vice President, Palisades Nuclear Plant
Nuclear Management Company, LLC

Enclosure (1)

CC Administrator, Region III, USNRC (w/o Enclosure)
Project Manager, Palisades (w/o Enclosure)
Resident Inspector, Palisades, USNRC (w/o Enclosure)
License Renewal Project Manager, Palisades, USNRC

ENCLOSURE 1

UPDATED LICENSE RENEWAL SCOPING BOUNDARY DRAWINGS

PALISADES NUCLEAR PLANT

(Index and 30 Drawings)

ENCLOSURE 1
 UPDATED LICENSE RENEWAL SCOPING BOUNDARY DRAWINGS
 PALISADES NUCLEAR PLANT

UPDATED PALISADES PLANT SCOPING BOUNDRY DRAWINGS December 2005		
Item	Drawing No.	Drawing Title
1	LR-M-202-1	CHEMICAL AND VOLUME CONTROL SYSTEM
2	LR-M-202-1A	CHEMICAL AND VOLUME CONTROL SYSTEM
3	LR-M-205-1	MAIN STEAM MAIN AND AUXILIARY TURBINE SYSTEMS
4	LR-M-206-1	EXTRACTIONS, HEATER VENTS AND DRAINS SYSTEMS
5	LR-M-206-1C	EXTRACTIONS, HEATER VENTS AND DRAINS SYSTEMS
6	LR-M-206-2	STEAM GENERATOR BLOWDOWN MODIFICATION
7	LR-M-207-1A	FEEDWATER AND CONDENSATE SYSTEM
8	LR-M-207-1B	FEEDWATER AND CONDENSATE SYSTEM
9	LR-M-207-1C	FEEDWATER AND CONDENSATE SYSTEM
10	LR-M-207-2	FEEDWATER AND CONDENSATE SYSTEM
11	LR-M-208-1	NON-CRITICAL SERVICE WATER SYSTEM
12	LR-M-208-1A	SERVICE WATER SYSTEM
13	LR-M-208-1B	SERVICE WATER SYSTEM
14	LR-M-209-3	COMPONENT COOLING SYSTEM
15	LR-M-210-1C	RADIOACTIVE WASTE TREATMENT SYSTEM CLEAN
16	LR-M-211-3	RADIOACTIVE WASTE TREATMENT SYSTEM GASEOUS WASTE
17	LR-M-212-1A	SERVICE AND INSTRUMENT AIR
18	LR-M-212-2	SERVICE AND INSTRUMENT AIR
19	LR-M-215-1	PLANT HEATING SYSTEM
20	LR-M-216-1	FIRE PROTECTION SYSTEM
21	LR-M-216-2	FIRE PROTECTION SYSTEM
22	LR-M-218-6	HVAC CONTROL ROOM

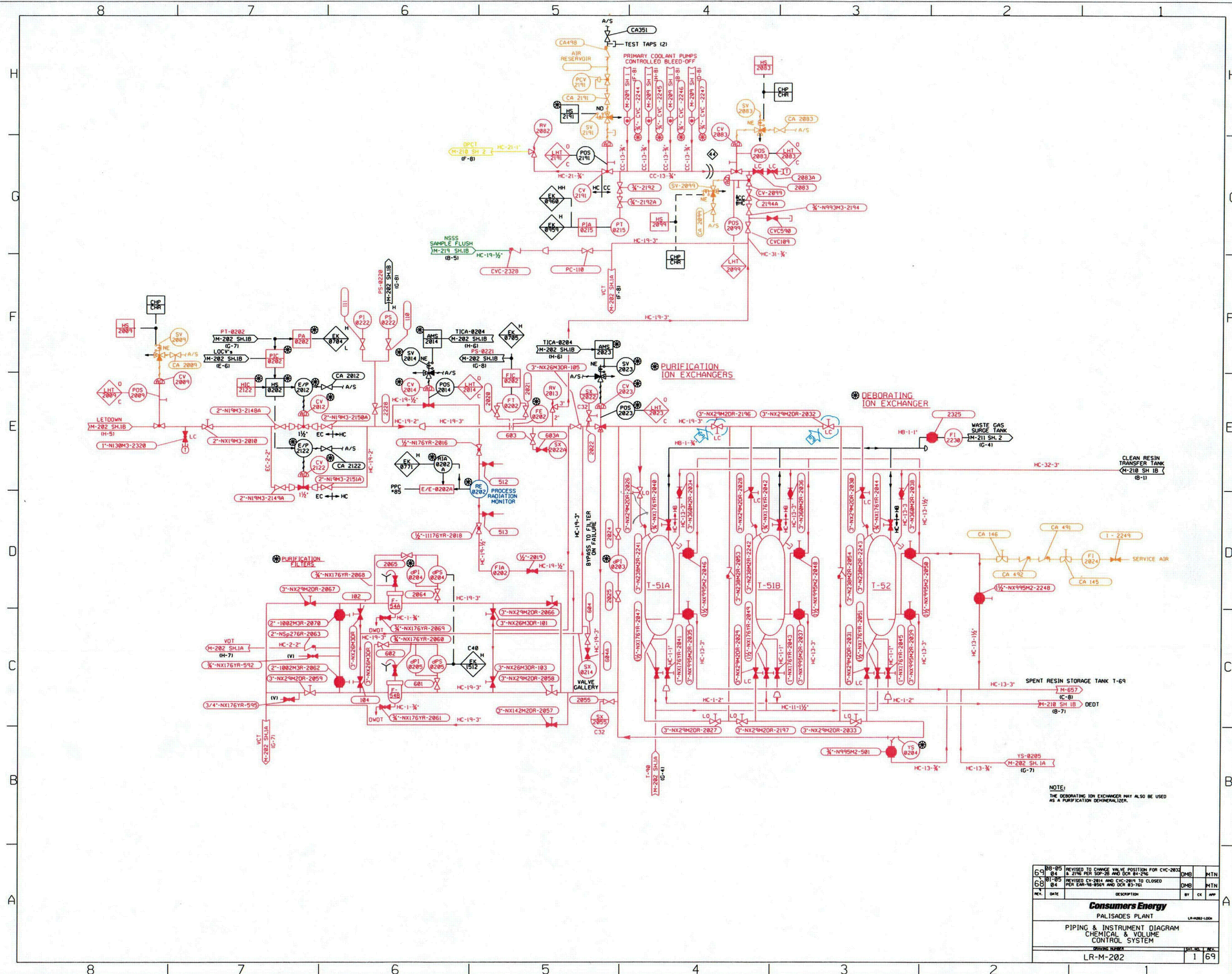
ENCLOSURE 1
UPDATED LICENSE RENEWAL SCOPING BOUNDARY DRAWINGS
PALISADES NUCLEAR PLANT

UPDATED PALISADES PLANT SCOPING BOUNDARY DRAWINGS December 2005			
Item	Drawing No.		Drawing Title
23	LR-M-220-1		MAKE-UP DOMESTIC WATER AND CHEMICAL INJECTION SYSTEMS
24	LR-M-221-1		SHIELD COOLING SYSTEM
25	LR-M-222-1		MISCELLANEOUS GAS SUPPLY SYSTEM
26	LR-M-222-2		MISCELLANEOUS GAS SUPPLY SYSTEM
27	LR-M-224-1		GAS ANALYZING SYSTEMS
28	LR-M-652-1		PRIMARY SYSTEM MAKEUP WATER, UTILITY WATER AND OIL WASTE SYSTEM
29	LR-M-653-1		COOLINGTOWER SYSTEM
30	LR-M-653-3		COOLING TOWER SYSTEM

THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

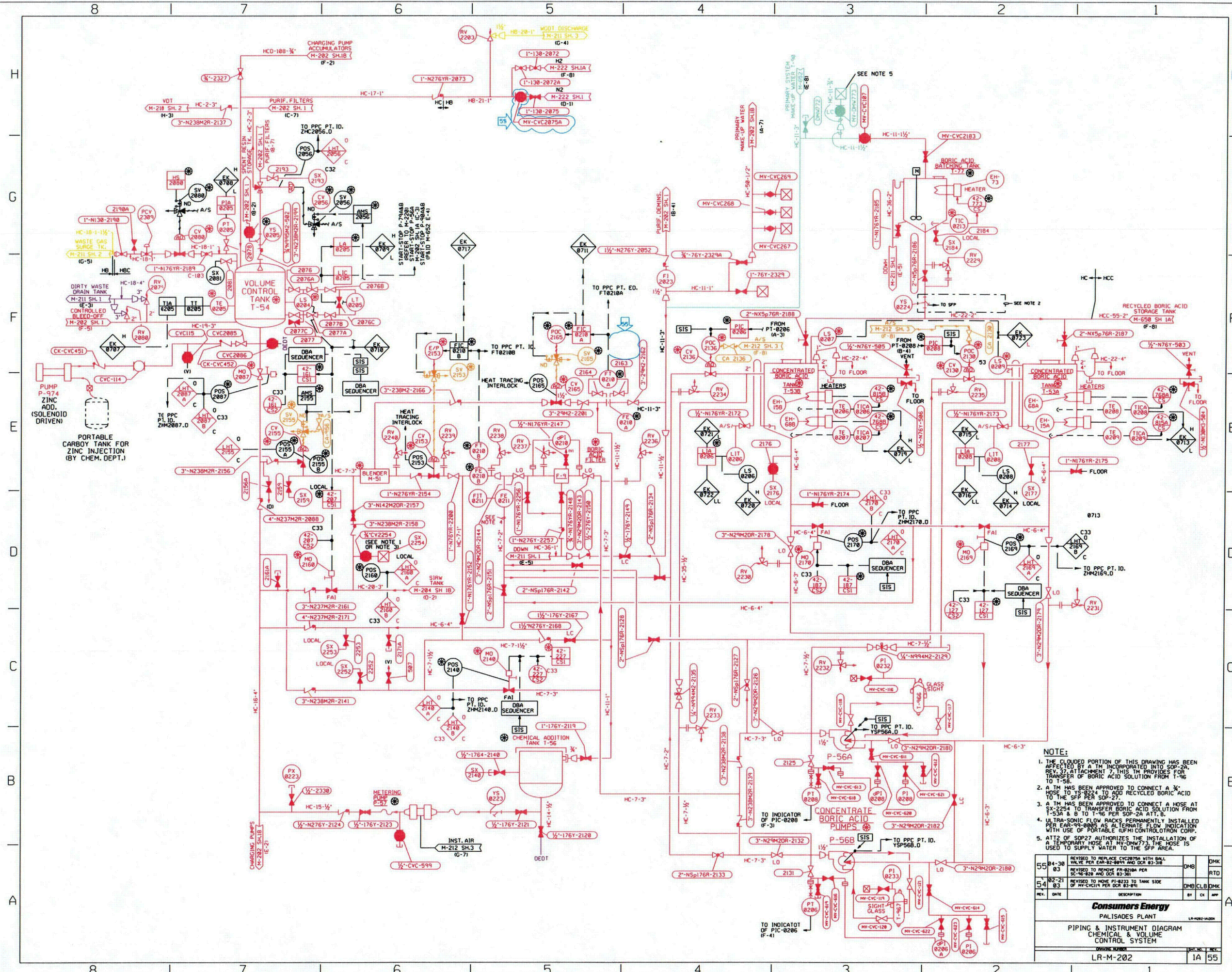
BROWN=CAS SYSTEM
DEEP PINK=CVC SYSTEM
LIME GREEN=PCS SYSTEM
BLUE=RIA SYSTEM
GOLD=RWS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE

...LR-M202-1.DGN 9/27/2005 8:29:53 AM



THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

BROWN=CAS SYSTEM
DEEP PINK=CVC SYSTEM
PALE GREEN=DMW SYSTEM
MAGENTA=MGS SYSTEM
PURPLE=RWS SYSTEM
GOLD=WGS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



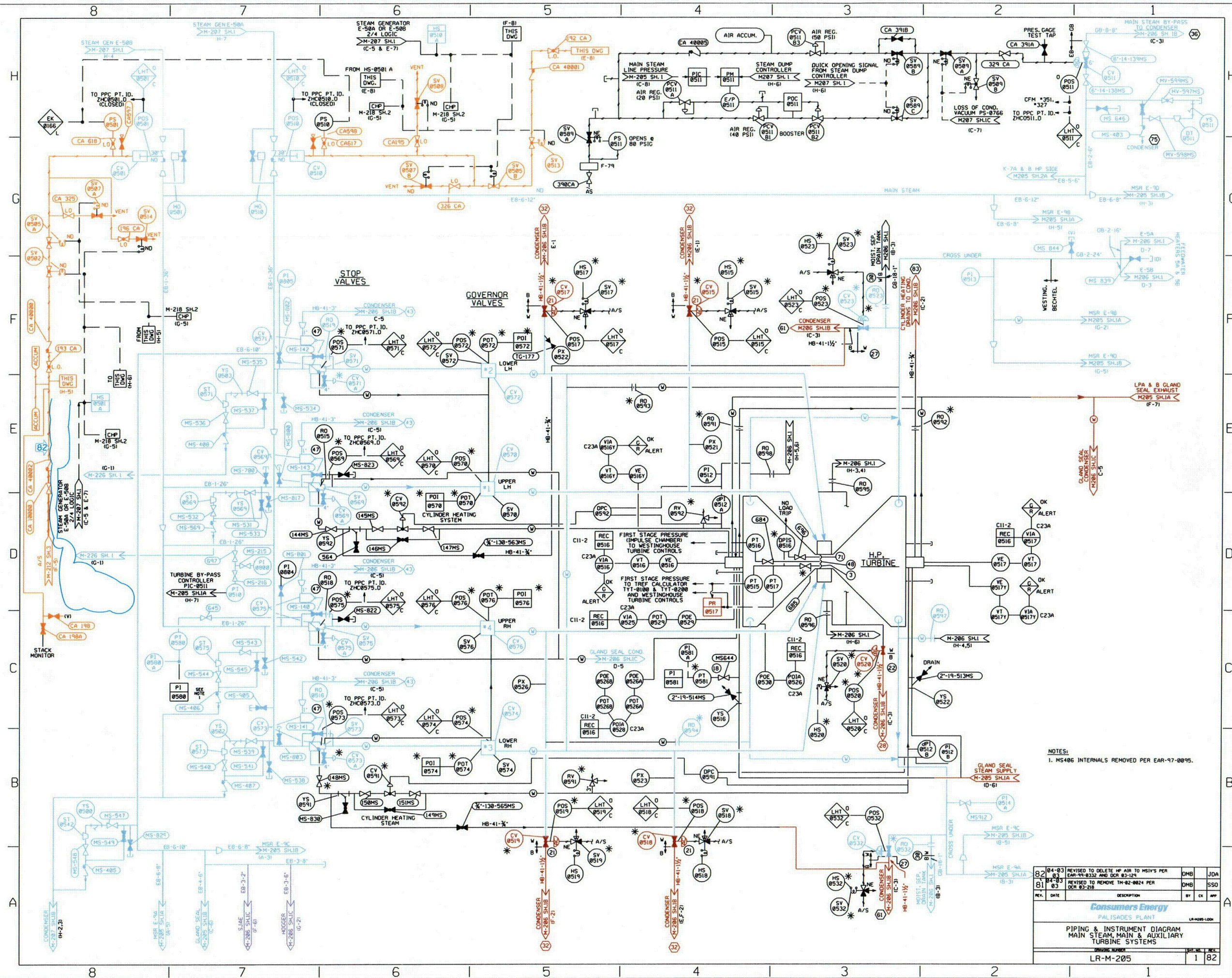
NOTE:

1. THE CLOUDED PORTION OF THIS DRAWING HAS BEEN AFFECTED BY A TM INCORPORATED INTO SOP-2A, REV. 1. THIS TM PROVIDES FOR TRANSFER OF BORIC ACID SOLUTION FROM T-96 TO T-58.
2. A TM HAS BEEN APPROVED TO CONNECT A 1/2" HOSE TO XS-8224 TO ADD RECYCLED BORIC ACID TO THE SFP PER SOP-27.
3. A TM HAS BEEN APPROVED TO CONNECT A HOSE AT SX-2254 TO TRANSFER BORIC ACID SOLUTION FROM T-53A & B TO T-96 PER SOP-2A ATT. 8.
4. ULTRA-SONIC FLOW RACKS PERMANENTLY INSTALLED PER EAR-99-0005 AS ALTERNATE FLOW INDICATION WITH USE OF PORTABLE UFM CONTROL/CONTRON CORP. ATT2 OF SOP-27 AUTHORIZES THE INSTALLATION OF A TEMPORARY HOSE AT MV-DMW773. THE HOSE IS USED TO SUPPLY WATER TO THE SFP AREA.

REV.	DATE	DESCRIPTION	BY	CHK	APP
55	04-30	REVISED TO REPLACE CVC2075A WITH BALL VALVE PER EAR-02-0044 AND OCA 83-318	DHB		DMK
54	03-21	REVISED TO REMOVE PP-8200A PER SC-98-028 AND OCA 83-361	DHB	CLB	DMK
53	03-21	REVISED TO MOVE PI-8233 TO TANK SIDE OF MV-CVC119 PER OCA 83-361	DHB	CLB	DMK

Consumers Energy
PALISADES PLANT
PIPING & INSTRUMENT DIAGRAM
CHEMICAL & VOLUME CONTROL SYSTEM
DRAWING NUMBER: LR-M-202
SHEET NO.: 1A 55

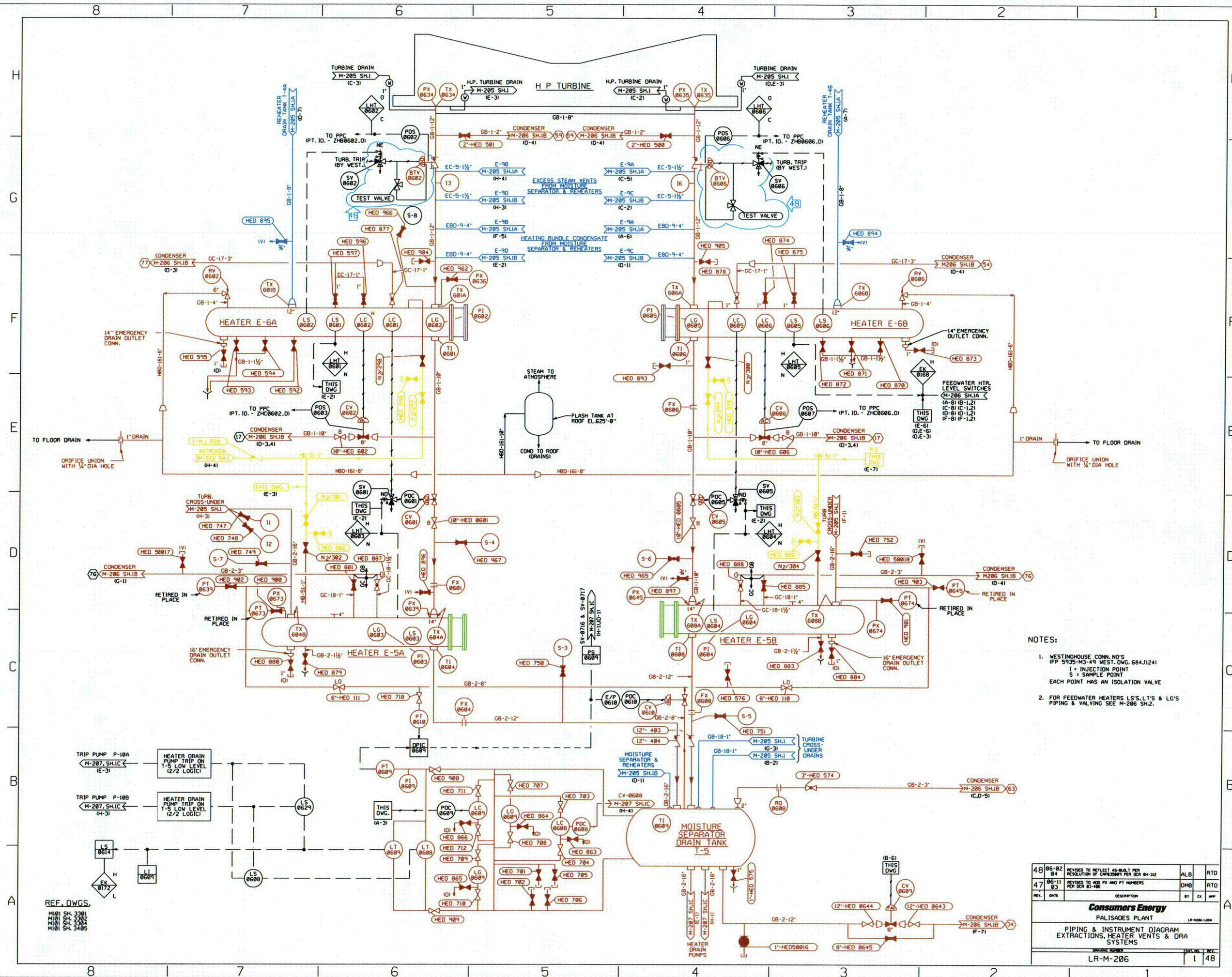
...\\LR-M205-1.dgn 12/1/2005 11:38:21 AM



82	04-03-01	REVISED TO DELETE HP AIR TO MSIV'S PER ERM-TN-0332 AND DCM-03-124	DWB	JDA
81	04-03-03	REVISED TO REMOVE TN-02-0024 PER DCM-03-216	DWB	SSO
REV.	DATE	DESCRIPTION	BY	CHK APP
<p style="text-align: center;">Consumers Energy PALISADES PLANT</p> <p style="text-align: right;">LR-MW-1-004</p>				
<p style="text-align: center;">PIPING & INSTRUMENT DIAGRAM MAIN STEAM, MAIN & AUXILIARY TURBINE SYSTEMS</p>				
<p style="text-align: center;">ISSUING REVISION</p> <p style="text-align: center;">LR-M-205</p>			EST. NO.	REV.
			1	82

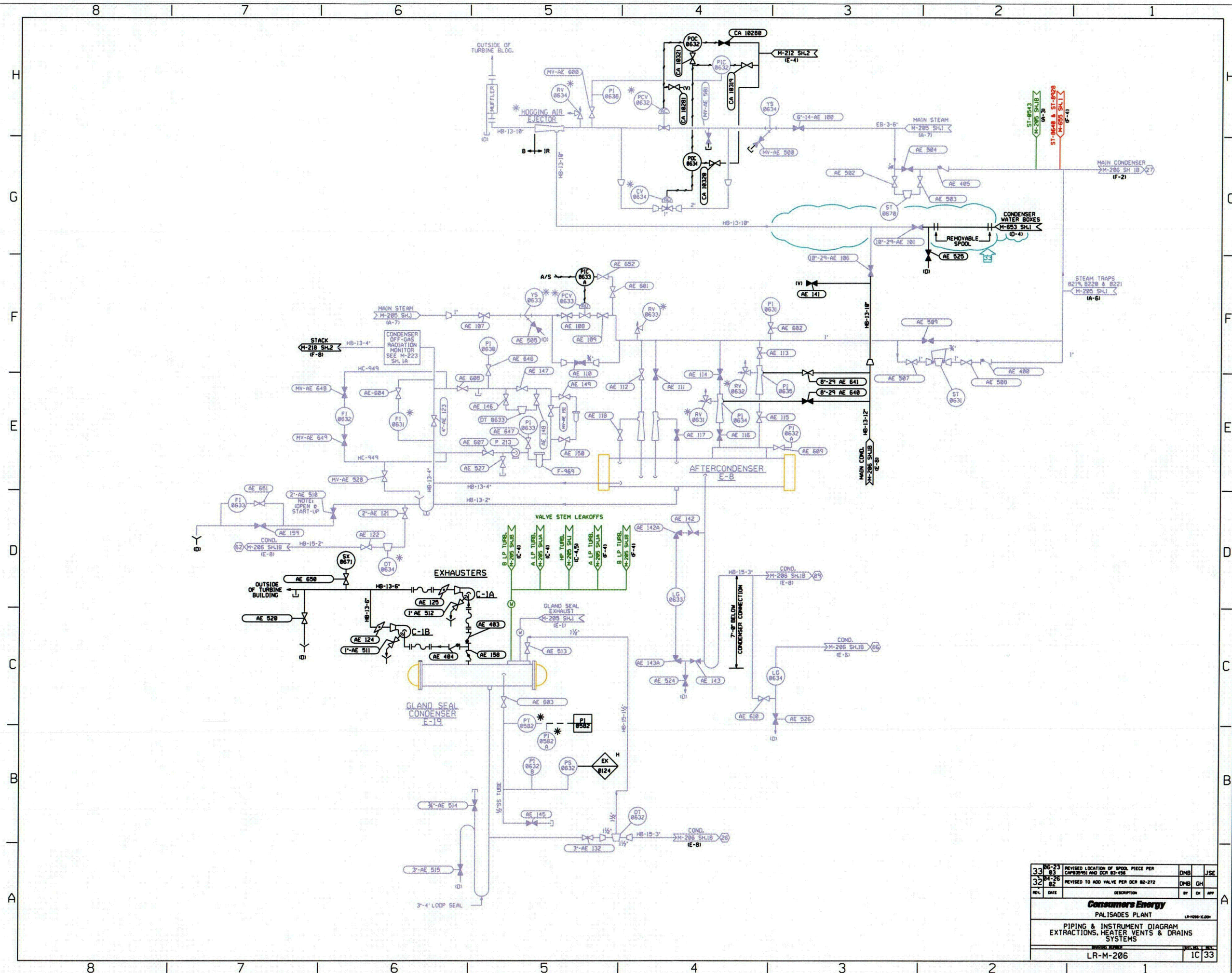
THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

LIME GREEN=CDS SYSTEM
PURPLE=FWS SYSTEM
BRICK RED=HED SYSTEM
GOLD=MGS SYSTEM
LIGHT BLUE=MSS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

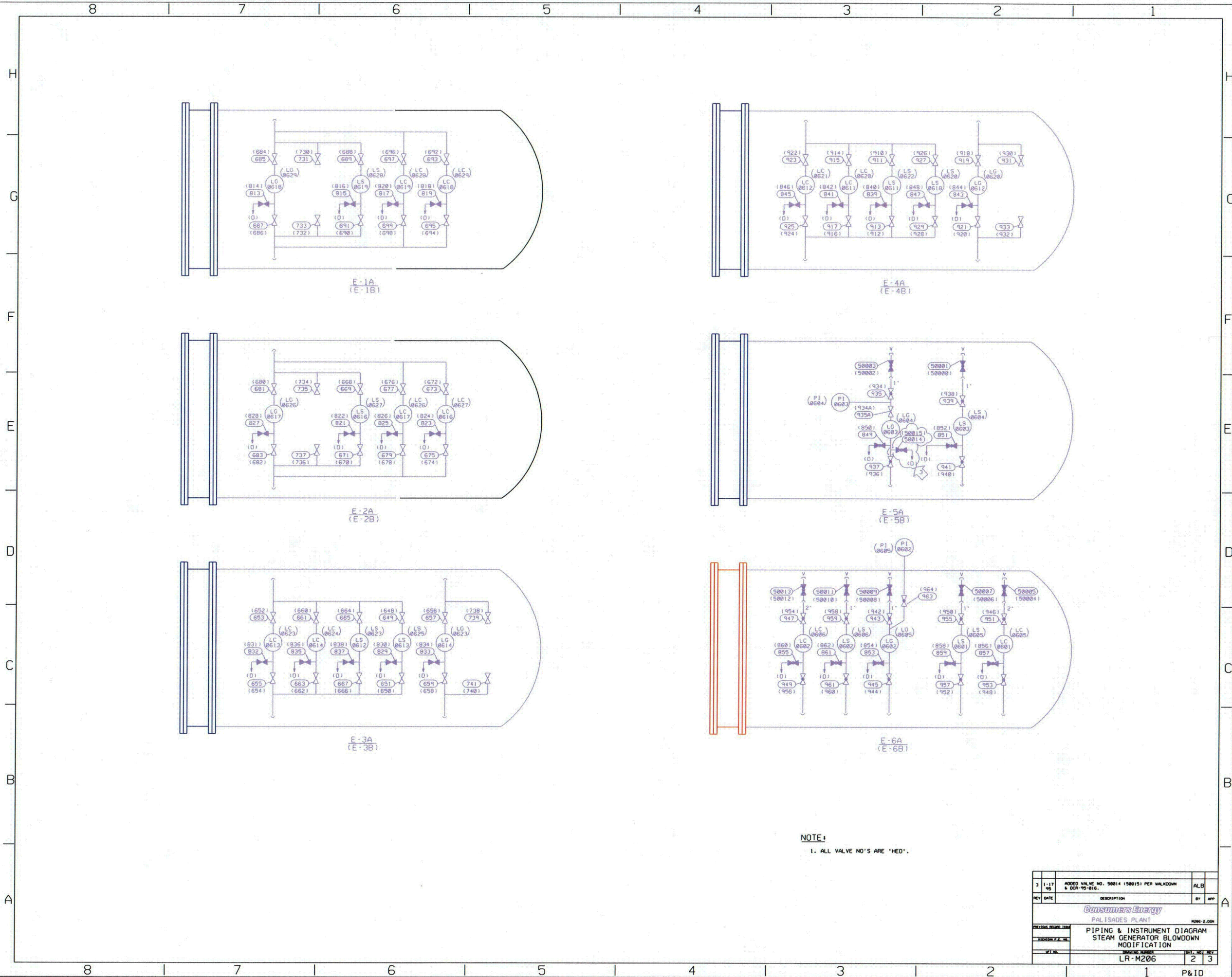
GOLD =CDS SYSTEM
LIGHT PURPLE=AES SYSTEM
GREEN=MSS SYSTEM
RED=VAS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



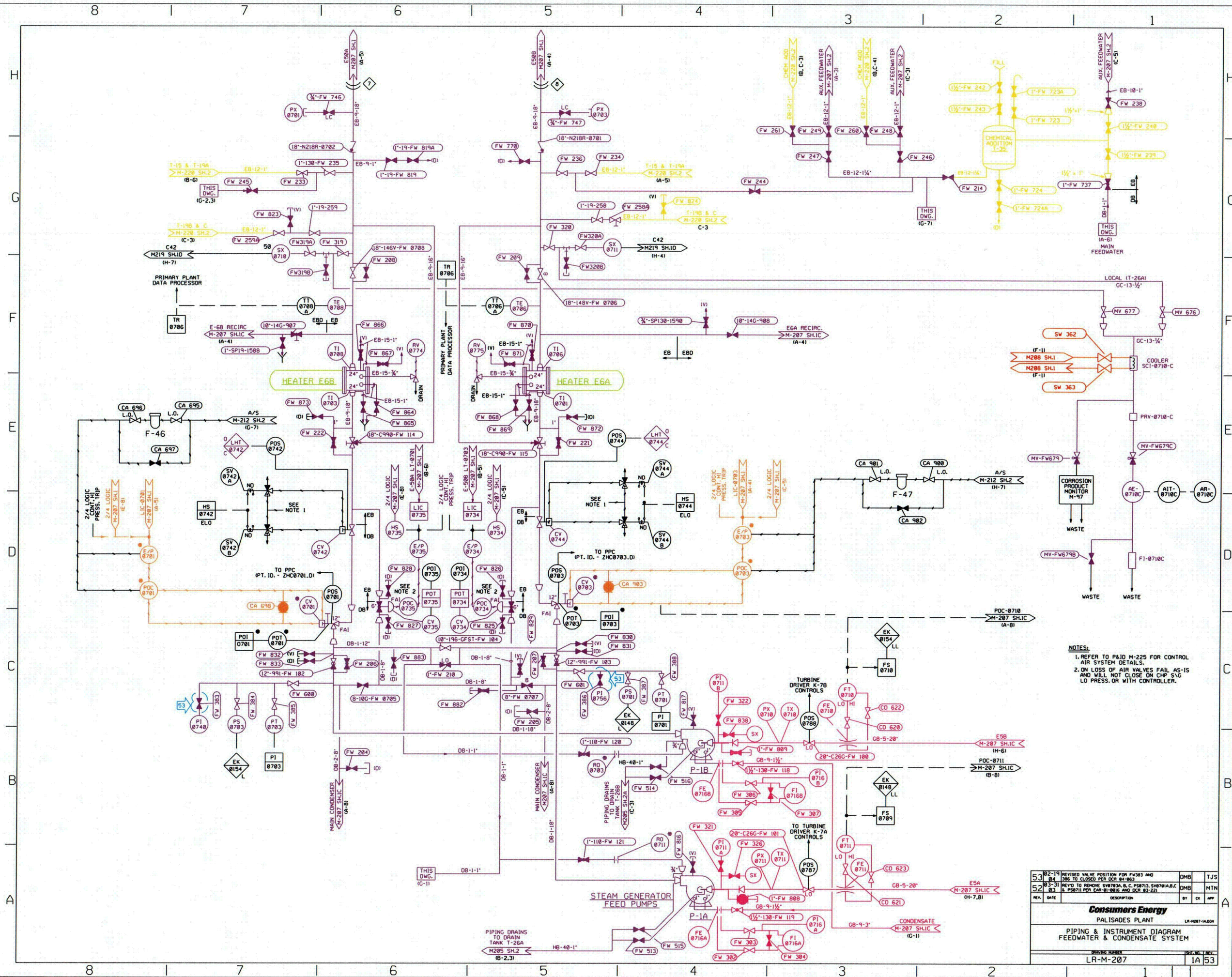
33	06-23	REVISED LOCATION OF SPOOL PIECE PER	DMB	JSE
32	04-26	REVISED TO ADD VALVE PER DCR 82-272	DMB	GH
REV.	DATE	DESCRIPTION	BY	CHK
Consumers Energy				
PALISADES PLANT				
PIPING & INSTRUMENT DIAGRAM				
EXTRACTIONS, HEATER VENTS & DRAINS				
SYSTEMS				
LR-M-206				
1C 33				

THIS DRAWING IS COLOR
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RENEWAL.

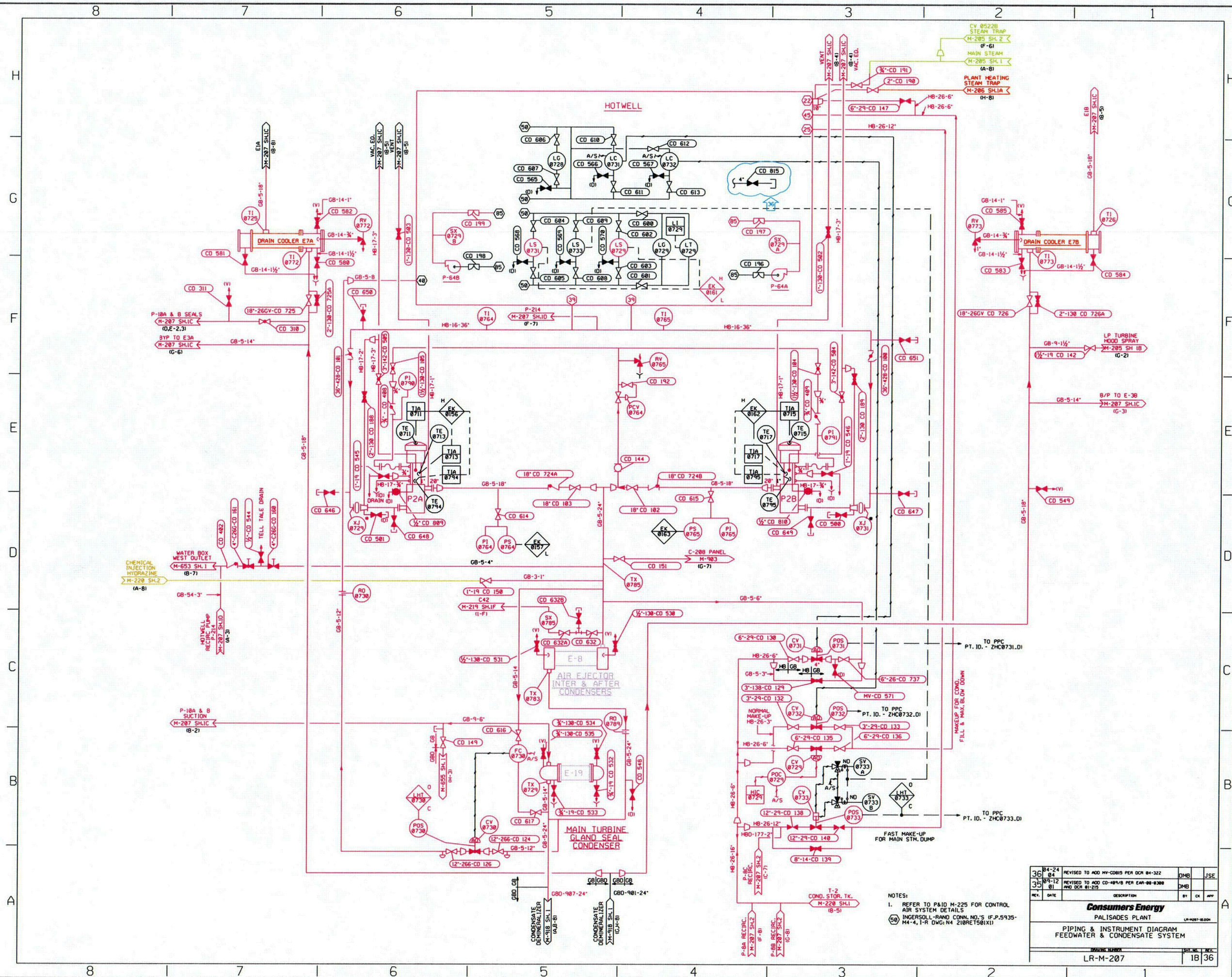
BLUE = CDS SYSTEM
RED = FWS SYSTEM
LIGHT PURPLE = HED SYSTEM
CYAN = REVISION
BLACK = NOT IN SCOPE



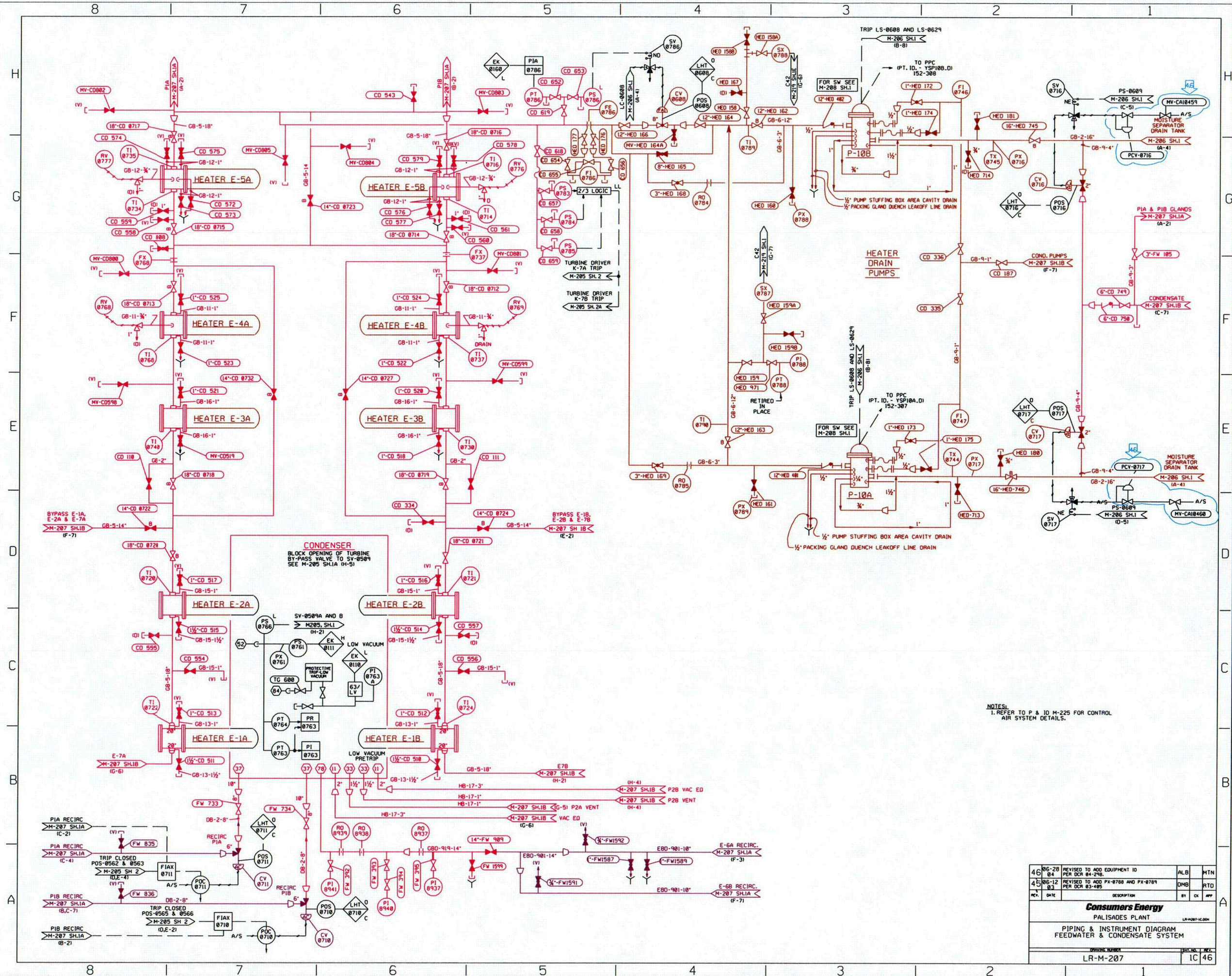
CHARTREUSE=HED SYSTEM
BROWN=CAS SYSTEM
MAGENTA=CDS SYSTEM
GOLD=CHM SYSTEM
PURPLE=FWS SYSTEM
RED=SWS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



LT. PURPLE=AES SYSTEM
MAGENTA=CDS SYSTEM
GOLD=CHM SYSTEM
RED=HED SYSTEM
CHARTREUSE=MSS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE

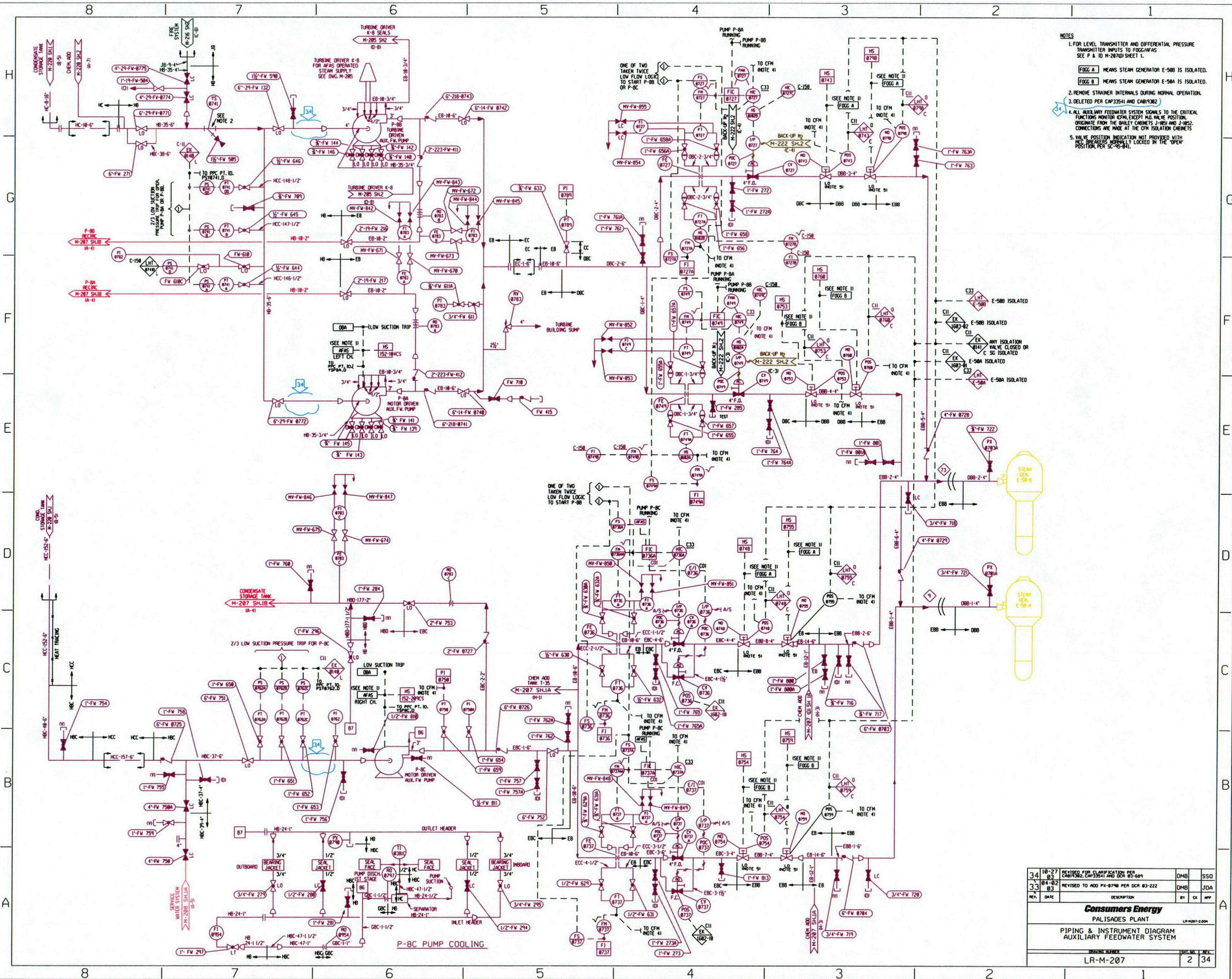


MAGENTA=CDS SYSTEM
PURPLE=FWS SYSTEM
BRICK RED=HED SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

BROWN=CAS SYSTEM
MAGENTA=CDS SYSTEM
DARK GREEN=FPS SYSTEM
PURPLE=FWS SYSTEM
GOLD=RSG SYSTEM
PINK=SWS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE

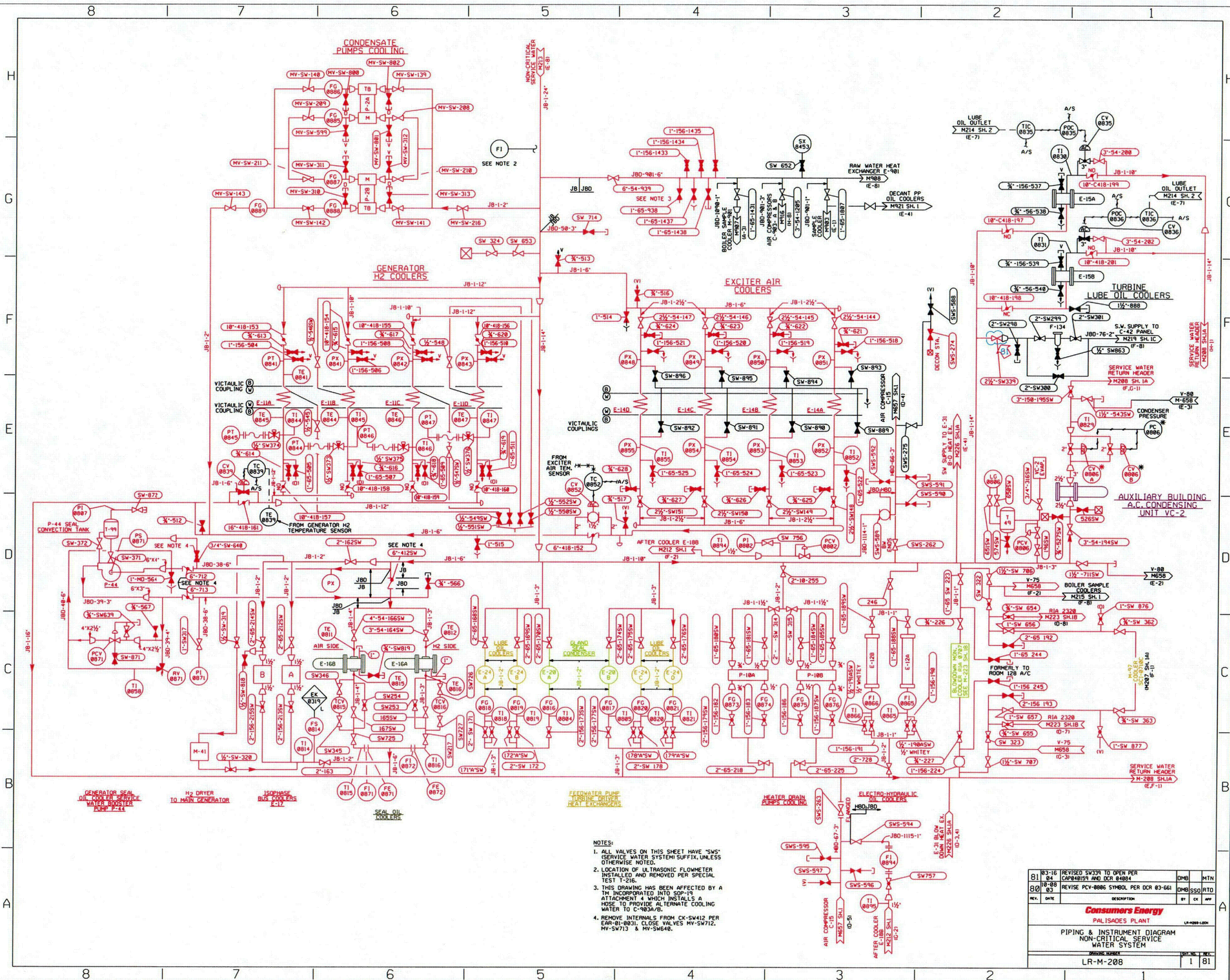


THIS DRAWING IS COLOR
CODED FOR LICENSE
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NOTES:

1) THE NON-CRITICAL SW RETURN
HEADER IS IN BOUNDARY OF LR.
THE BRANCH LINES COMING OFF
THE HEADER ARE IN BOUNDARY
OF LR UP TO AND INCLUDING
THEIR RESPECTIVE
ISOLATION VALVES DUE TO BEING
CAPABLE OF ISOLATION BY OPERATOR
ACTION.

GOLD=FWS SYSTEM
CHARTREUSE=MSS SYSTEM
PINK=SWS SYSTEM
DARK GREEN=TGS SYSTEM
PURPLE=VAS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



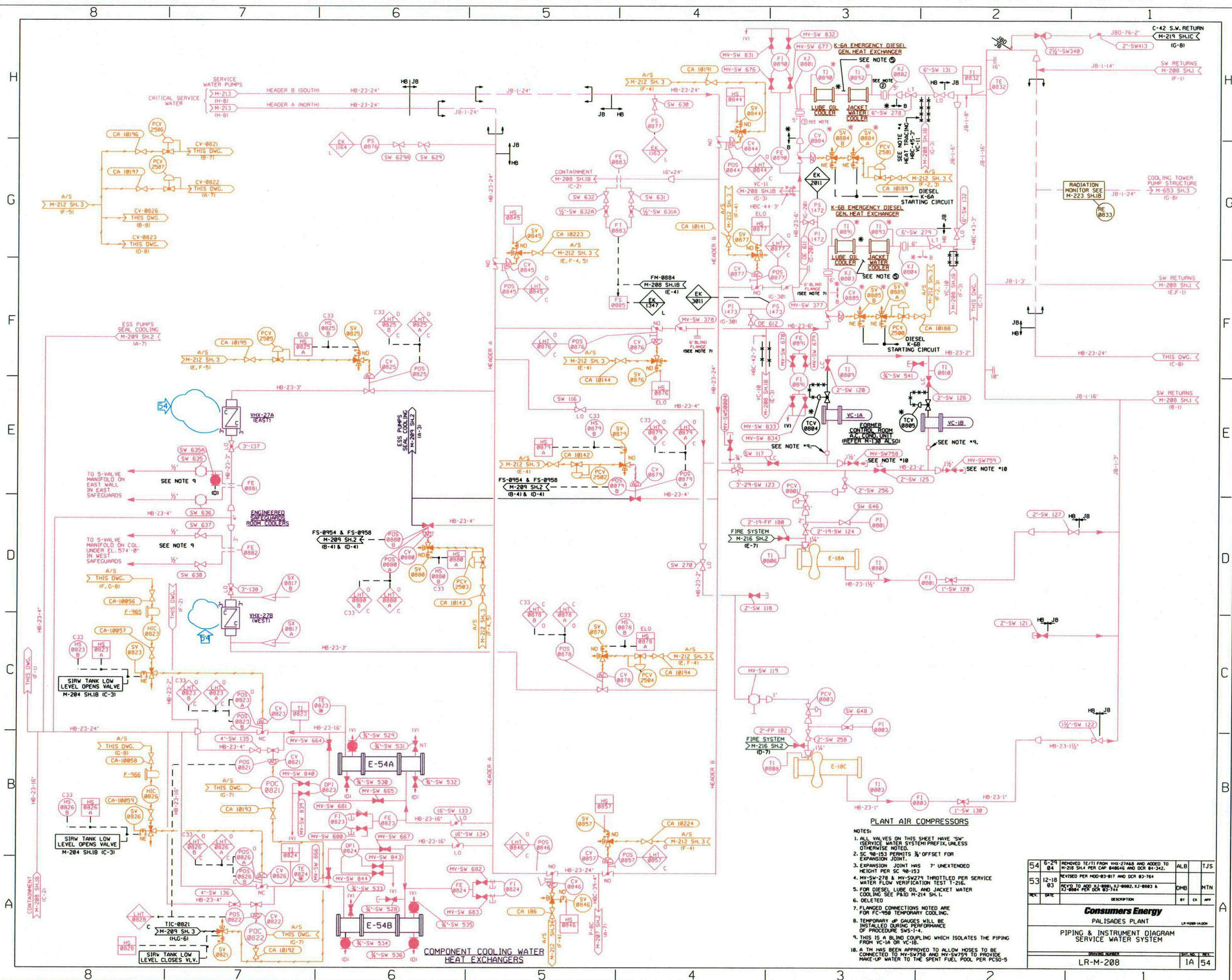
NOTES:

1. ALL VALVES ON THIS SHEET HAVE "SWS"
SERVICE WATER SYSTEM SUFFIX, UNLESS
OTHERWISE NOTED.
2. LOCATION OF ULTRASONIC FLOWMETER
INSTALLED AND REMOVED PER SPECIAL
TEST T-216.
3. THIS DRAWING HAS BEEN AFFECTED BY A
THM INCORPORATED INTO SOP-19
ATTACHMENT 4 WHICH INSTALLS A
HOSE TO PROVIDE ALTERNATE COOLING
WATER TO C-983A/B.
4. REMOVE INTERNALS FROM CK-SW412 PER
EAP-01-0031. CLOSE VALVES MV-SW712,
MV-SW713 & MV-SW640.

REV.	DATE	DESCRIPTION	BY	CHK	APP
81	03-16	REVISED SW339 TO OPEN PER CAP840159 AND DCR 04084	DMB	MTN	
80	08-08	REVISE PCV-0086 SYMBOL PER DCR 03-661	DMB	SSO	RTD
Consumers Energy					
PALISADES PLANT					
PIPING & INSTRUMENT DIAGRAM					
NON-CRITICAL SERVICE					
WATER SYSTEM					
DRAWING NUMBER					
LR-M-208					
SHEET NO. 1 OF 1					

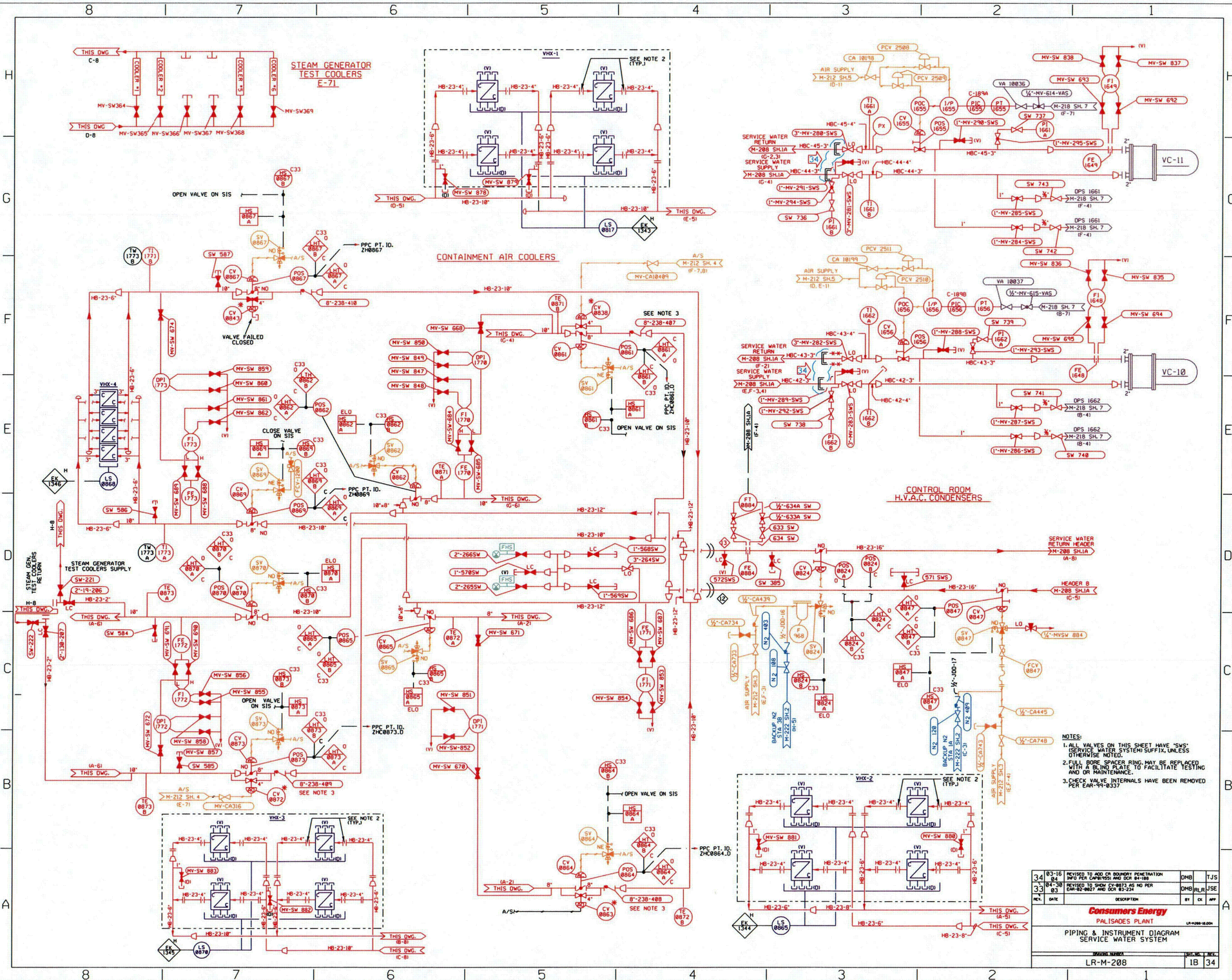
THIS DRAWING IS COLOR
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BROWN=CAS SYSTEM
DARK PURPLE=CCS SYSTEM
BROWN=EPS SYSTEM
DARK GREEN=FPS SYSTEM
BROWN=RIA SYSTEM
PINK=SWS SYSTEM
PURPLE=VAS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



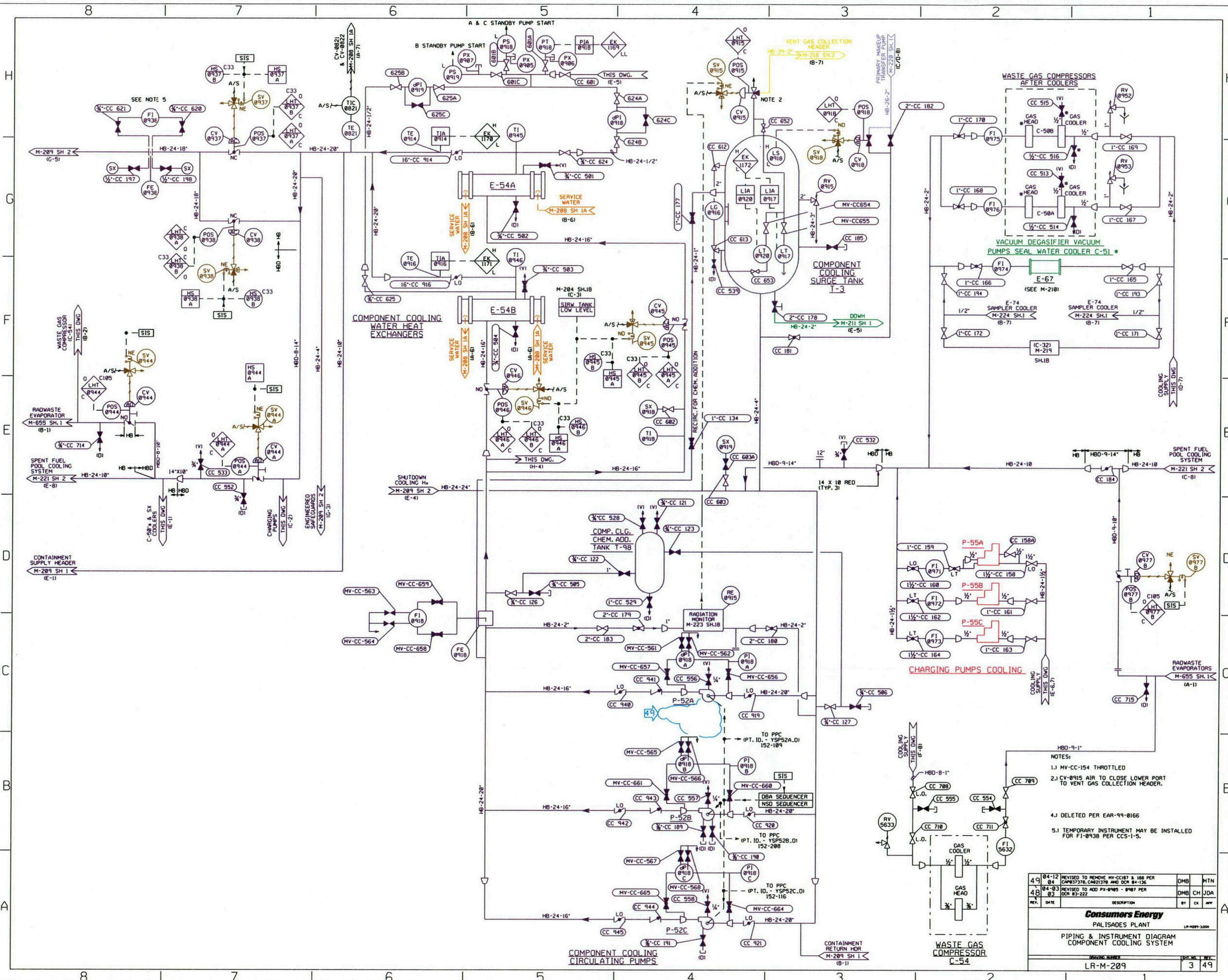
THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

MINT=FPS SYSTEM
BROWN=CAS SYSTEM
BRIGHT BLUE=CRS SYSTEM
BLUE=MGS SYSTEM
GREEN=MSS SYSTEM
DARK PINK=SWS SYSTEM
PURPLE=VAS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



THIS DRAWING IS COLOR
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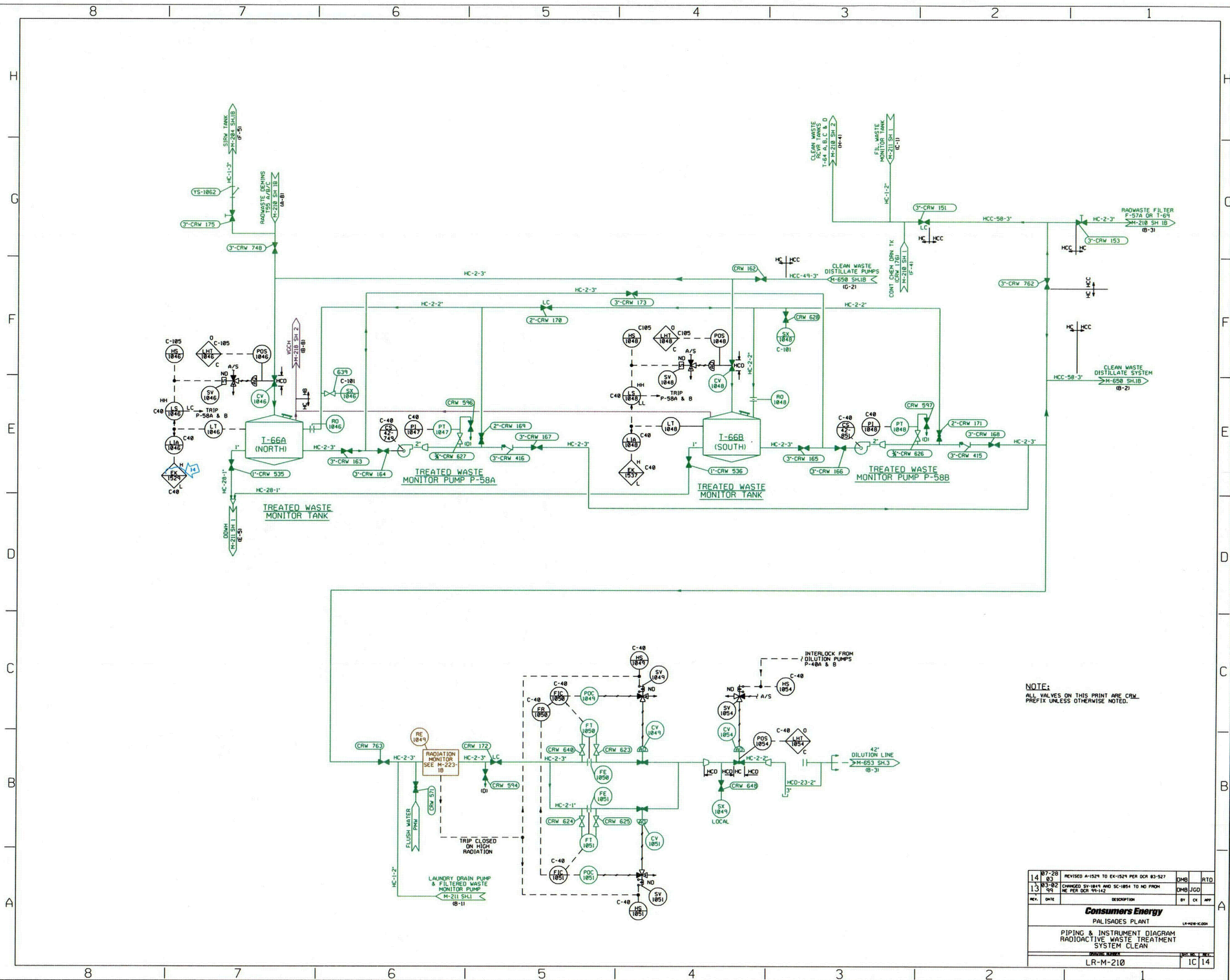
BROWN=CAS SYSTEM
DARK PURPLE=CCS SYSTEM
DEEP PINK=CVC SYSTEM
LT. PURPLE=DMW SYSTEM
GREEN=RWS SYSTEM
ORANGE=SWS SYSTEM
YELLOW=WGS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



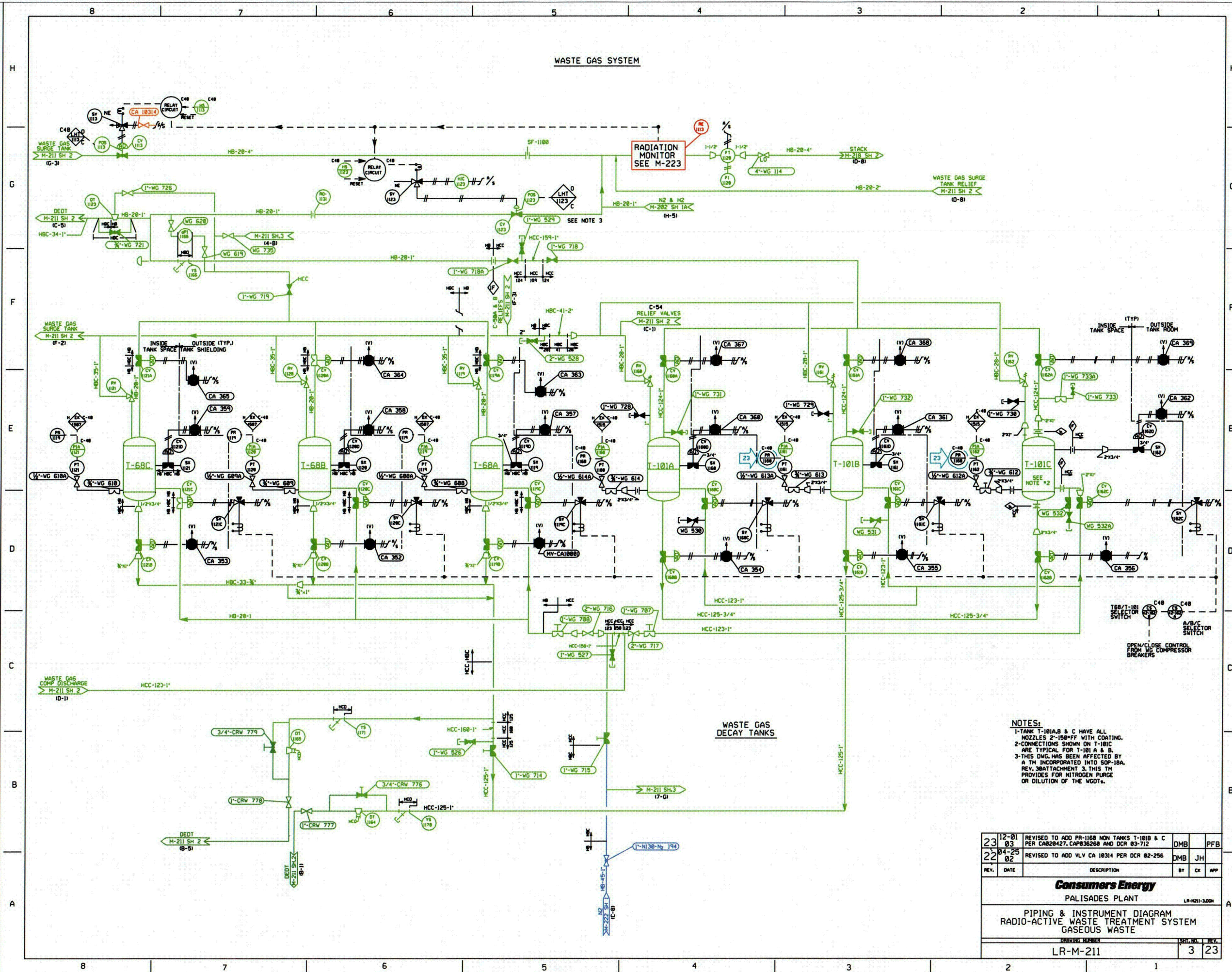
REV.	DATE	DESCRIPTION	BY	CHK	APP
49	04-12-04	REVISED TO REMOVE MV-CC-154 & 155 PER CANS 37378, 3821378 AND DCR 04-136	DMB	MTN	
48	04-03-03	REVISED TO ADD FX-0405 & 0407 PER DCR 03-222	DMB	CH	JOA
Consumers Energy					
PALISADES PLANT					
PIPING & INSTRUMENT DIAGRAM					
COMPONENT COOLING SYSTEM					
LR-M-209					
3 49					

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BROWN=RIA SYSTEM
GREEN=RWS SYSTEM
PURPLE=WGS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE

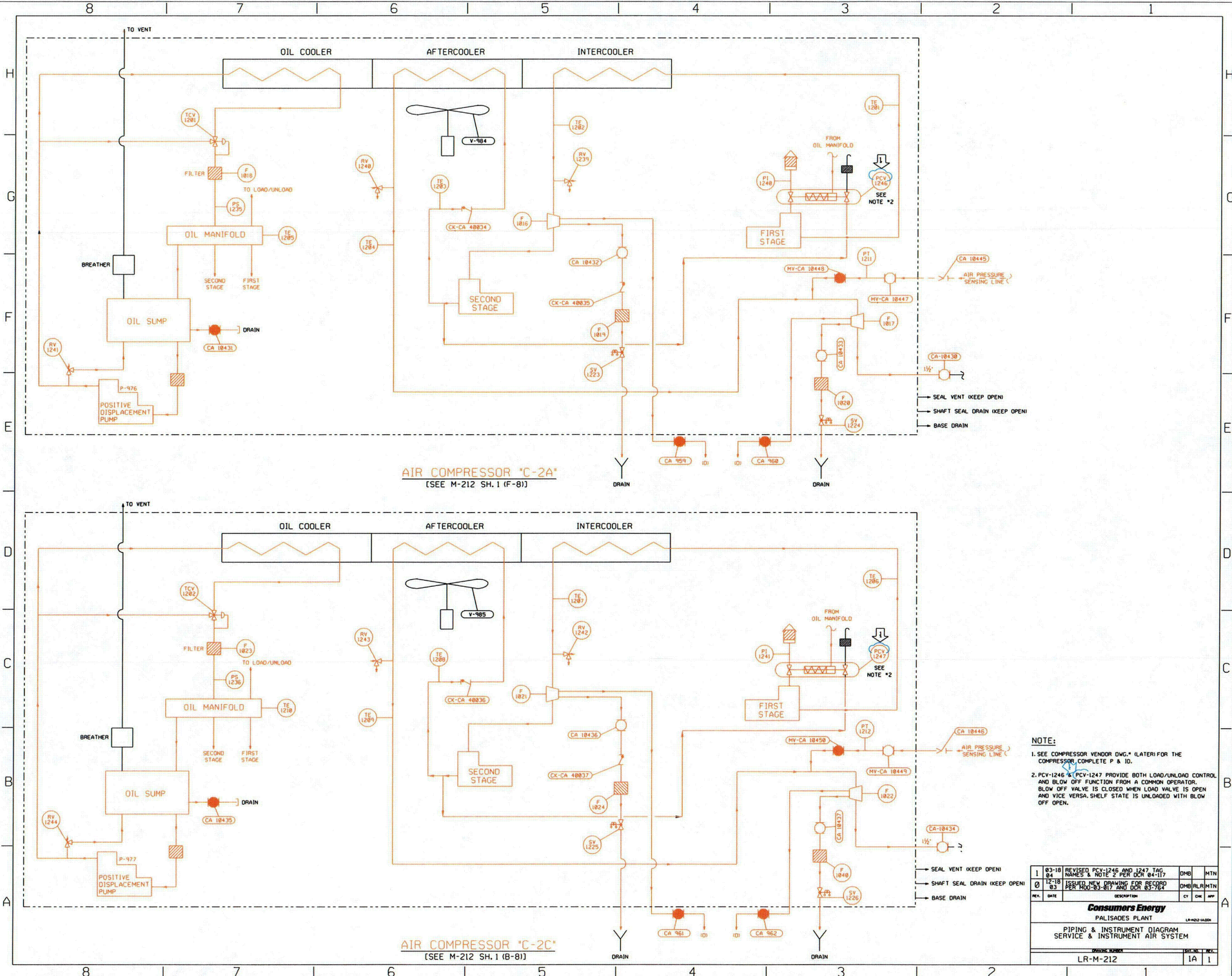


BROWN=CAS SYSTEM
BLUE=MGS SYSTEM
RED=RIA SYSTEM
GREEN=RWS SYSTEM
YELLOW-GREEN=WGS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE

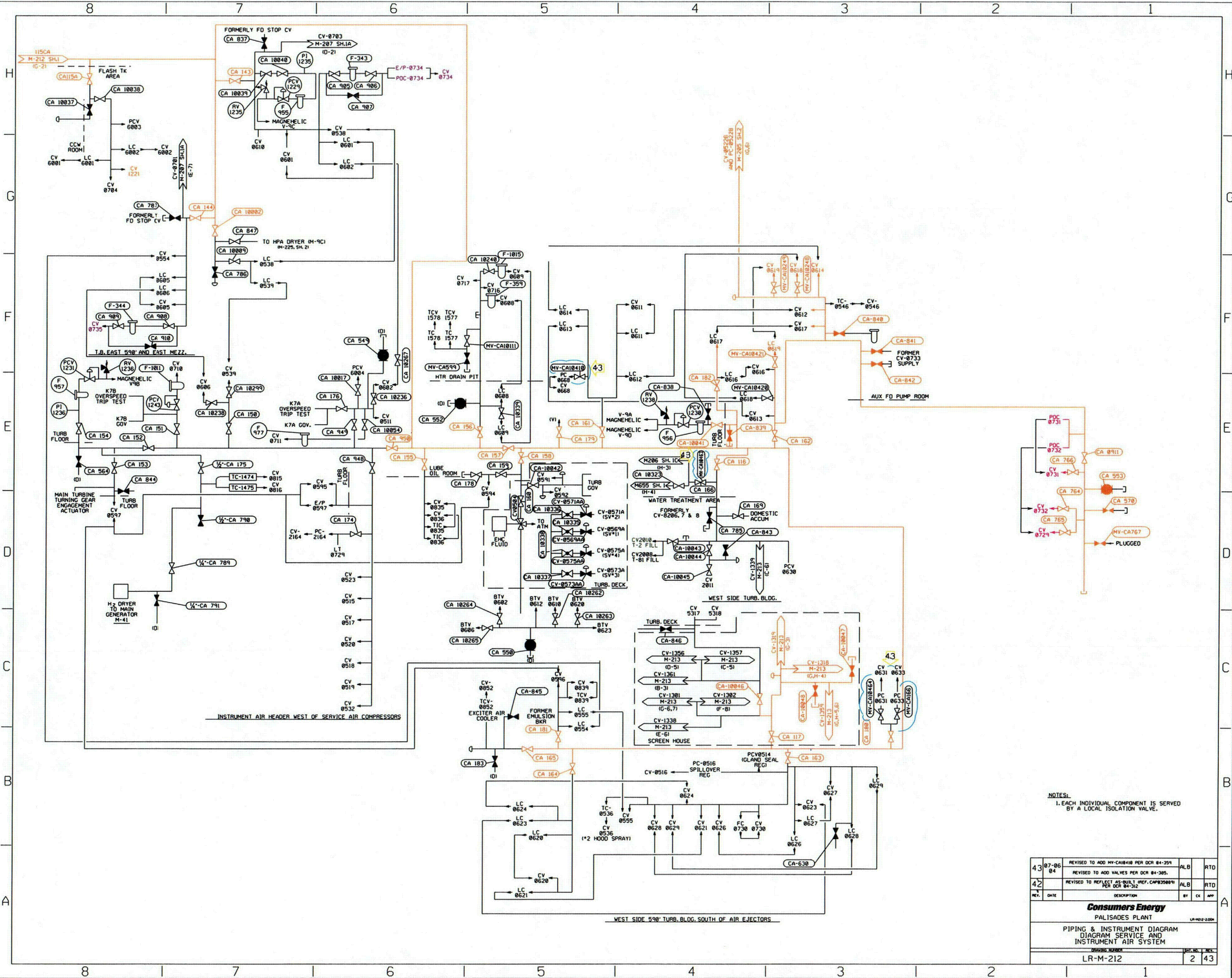


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BROWN=CAS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



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RENEWAL.



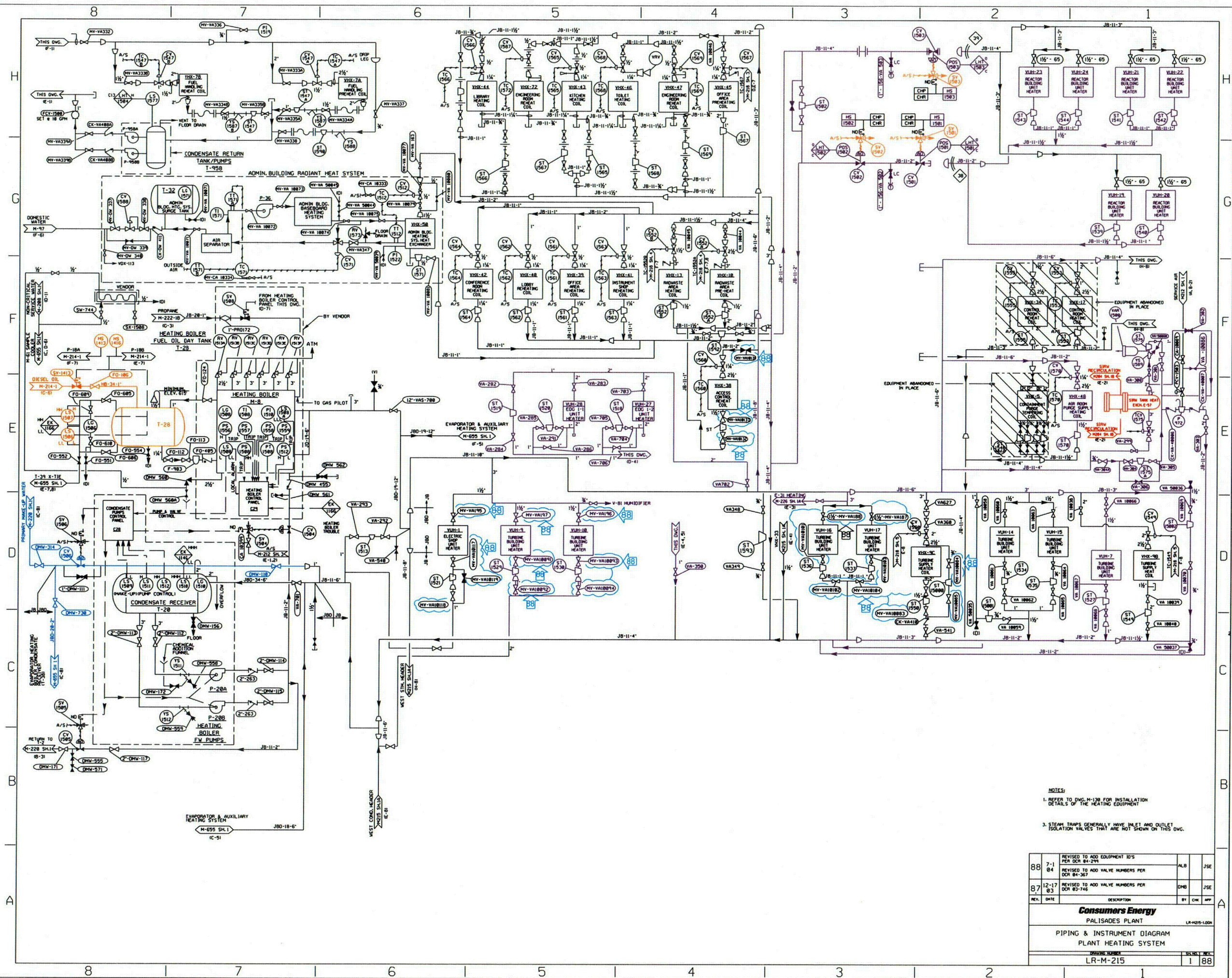
NOTES:
1. EACH INDIVIDUAL COMPONENT IS SERVED
BY A LOCAL ISOLATION VALVE.

43	07-06	REVISED TO ADD MV-CA10410 PER DCR 04-359	ALB	RTD
42	04	REVISED TO ADD VALVES PER DCR 04-305	ALB	RTD
41		REVISED TO REFLECT AS-BUILT (REF. CWP030804) PER DCR 04-312	ALB	RTD
REV.	DATE	DESCRIPTION	BY	CHK
Consumers Energy PALISADES PLANT PIPING & INSTRUMENT DIAGRAM DIAGRAM SERVICE AND INSTRUMENT AIR SYSTEM DRAWING NUMBER: LR-M-212 SHEET NO.: 2 OF 2				

BROWN=CAS SYSTEM
MAGENTA=CDS SYSTEM
PURPLE=FWS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE

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RENEWAL.

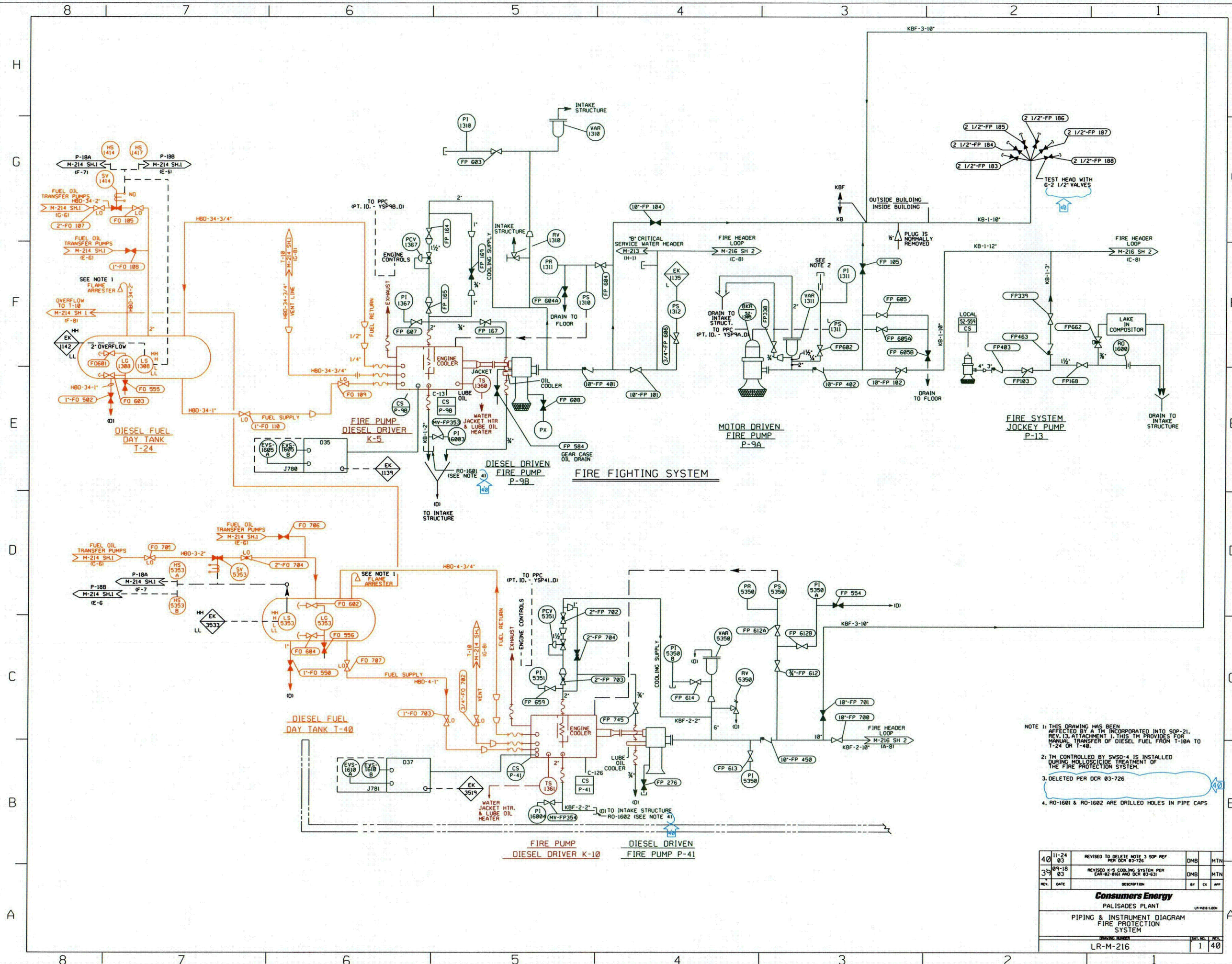
BROWN=CAS SYSTEM
BLUE=DMW SYSTEM
RED=ESS SYSTEM
LIGHT ORANGE=FOS SYSTEM
PURPLE=VAS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



THIS DRAWING IS COLOR
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RENEWAL.

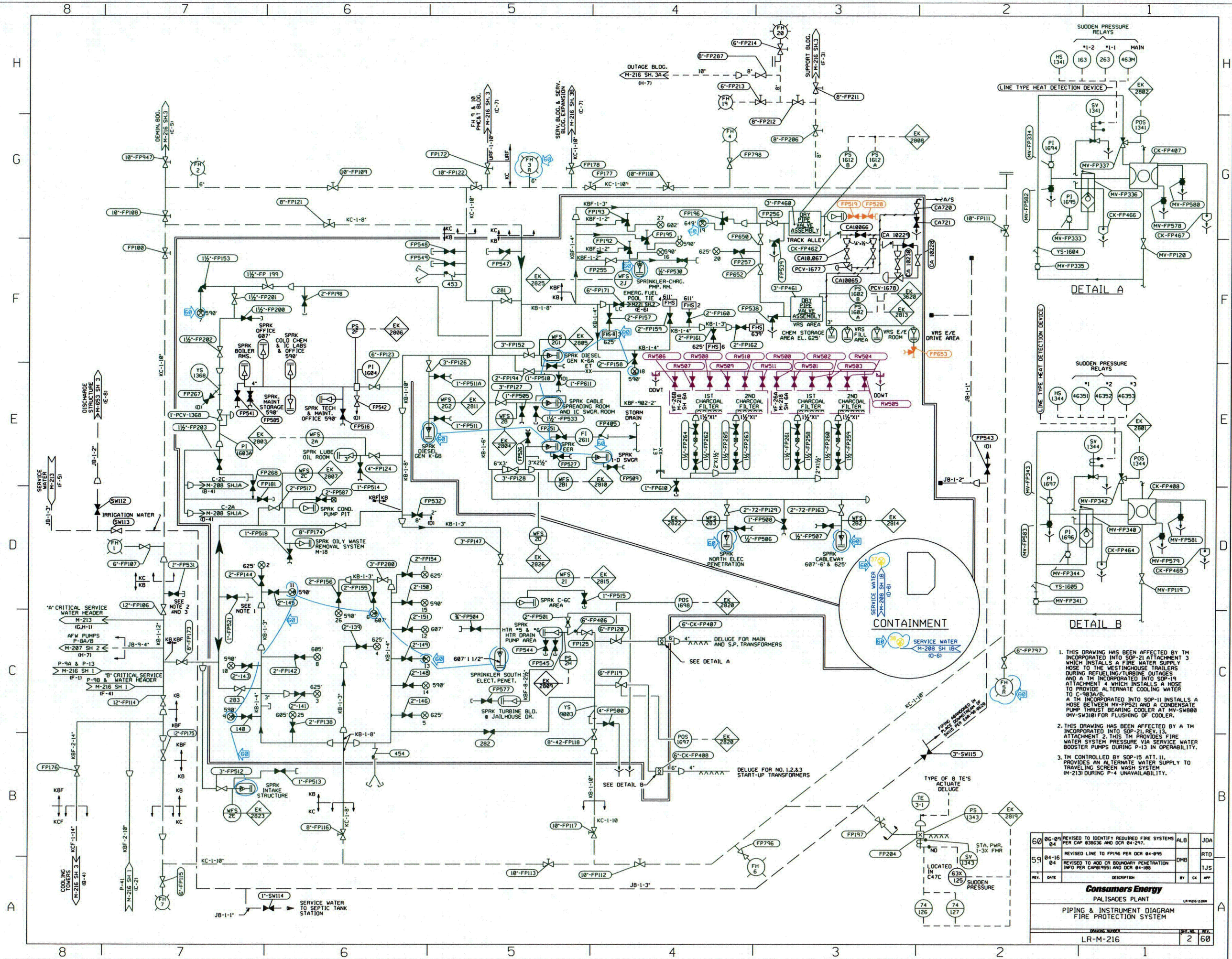
BROWN=EPS SYSTEM
DARK GREEN=FPS SYSTEM
LIGHT ORANGE=FOS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE

...LR-M216-1.dgn 9/27/2005 12:20:54 PM



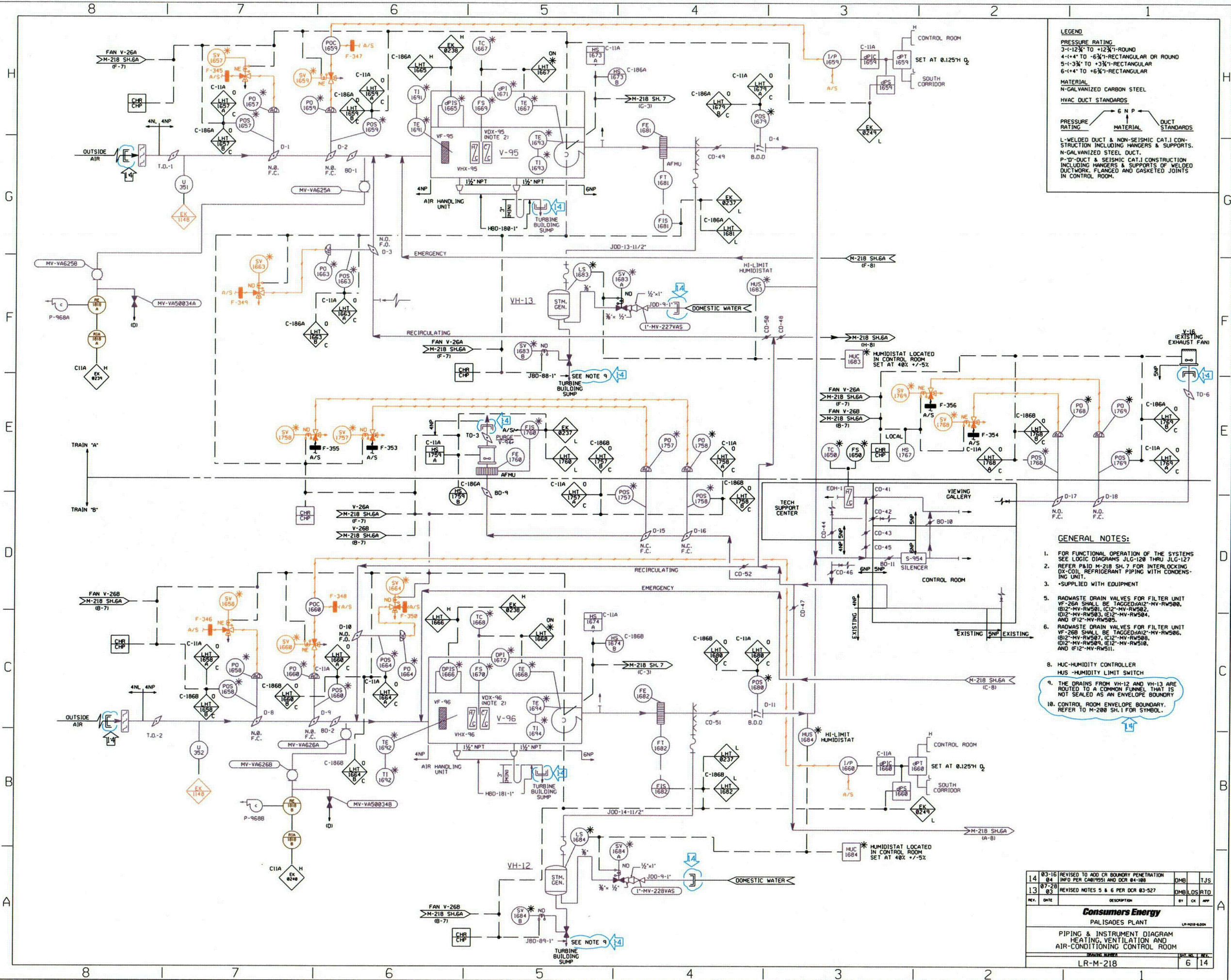
THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

PURPLE=VAS SYSTEM
GOLD=FPS SYSTEM
MED BLUE=SWS SYSTEM
BROWN=CAS SYSTEM
DARK GREEN=FPS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE

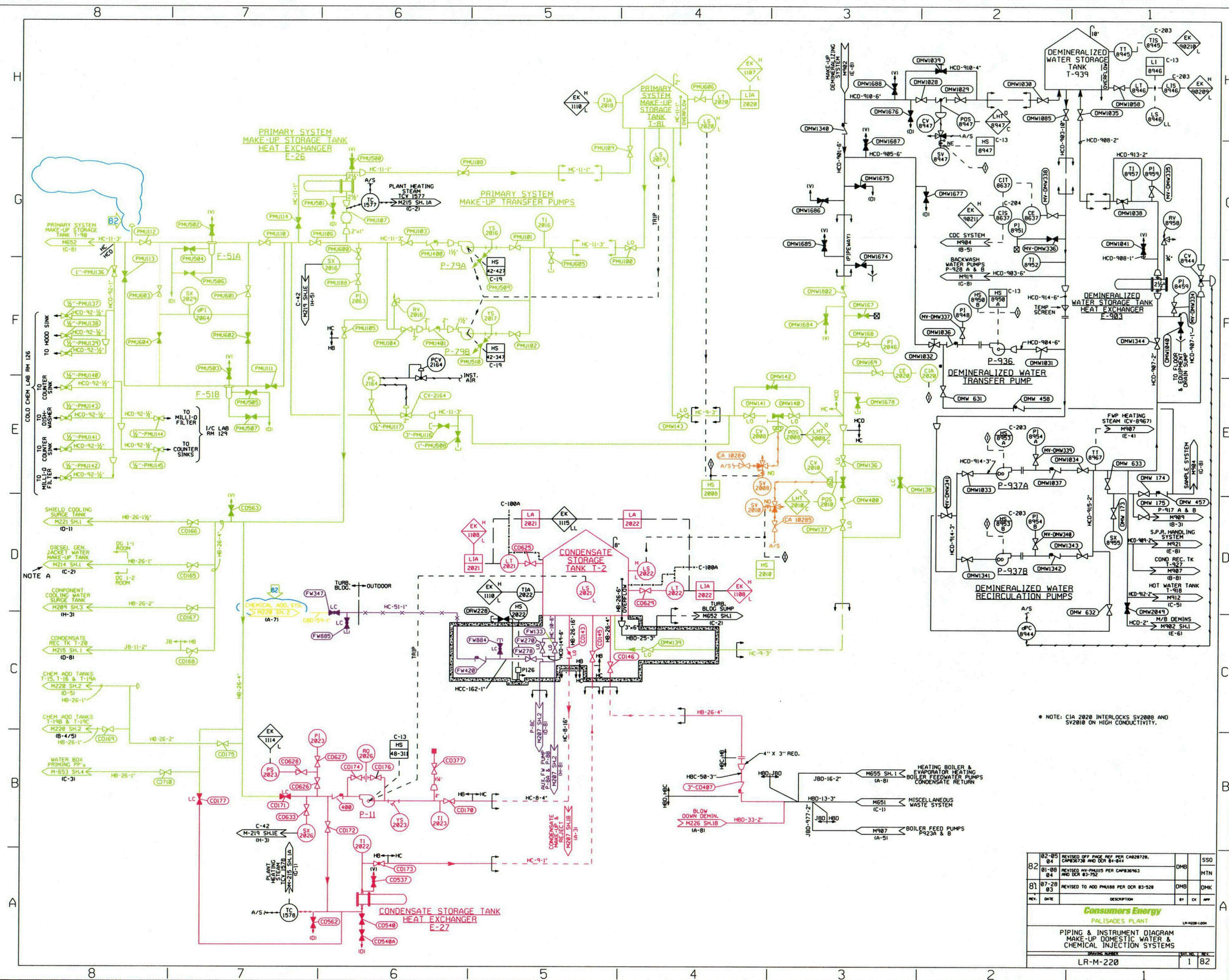


THIS DRAWING IS COLOR
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RENEWAL.

BROWN=CAS SYSTEM
SALMON=FPS SYSTEM
BROWN=RIA SYSTEM
PURPLE=VAS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE

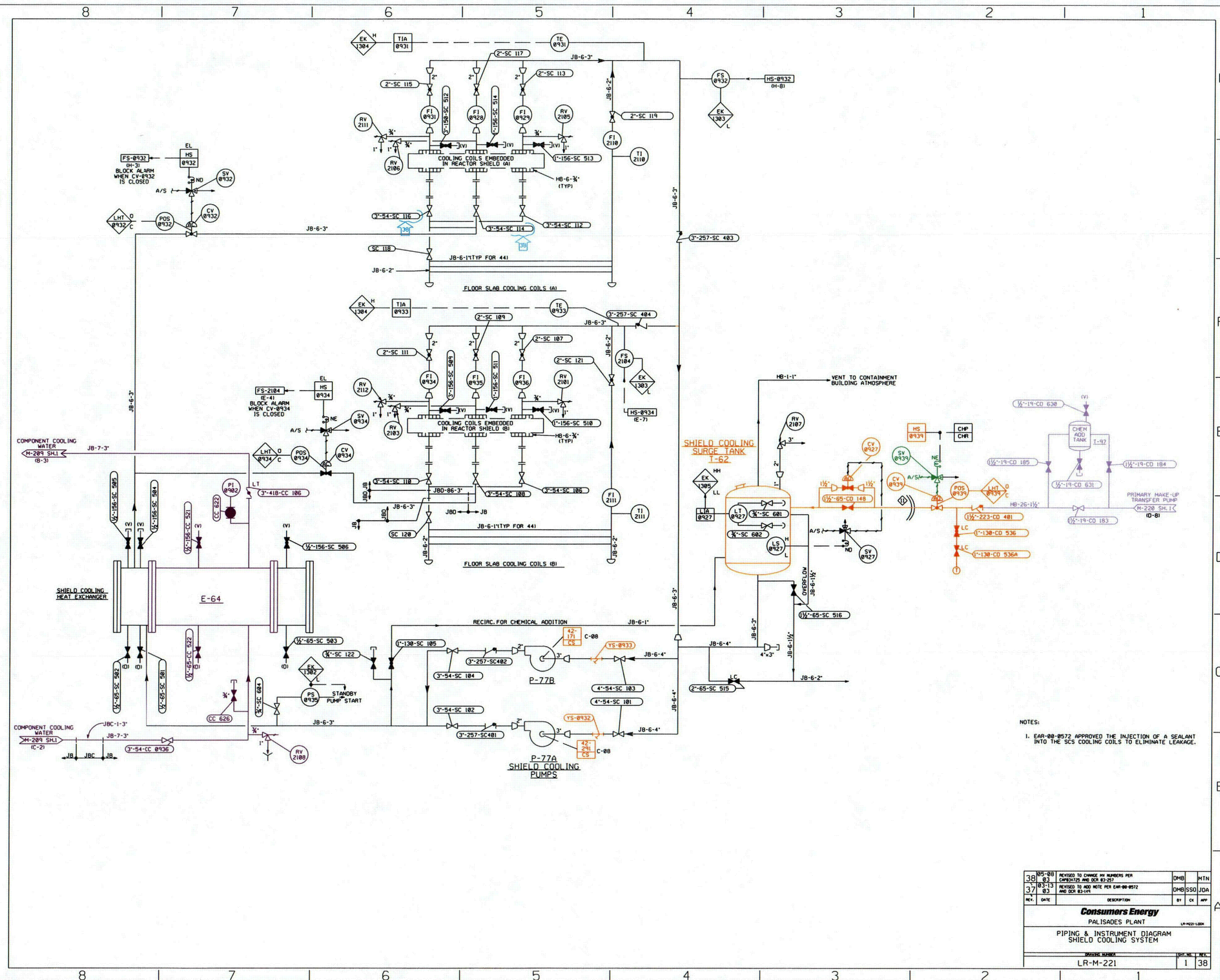


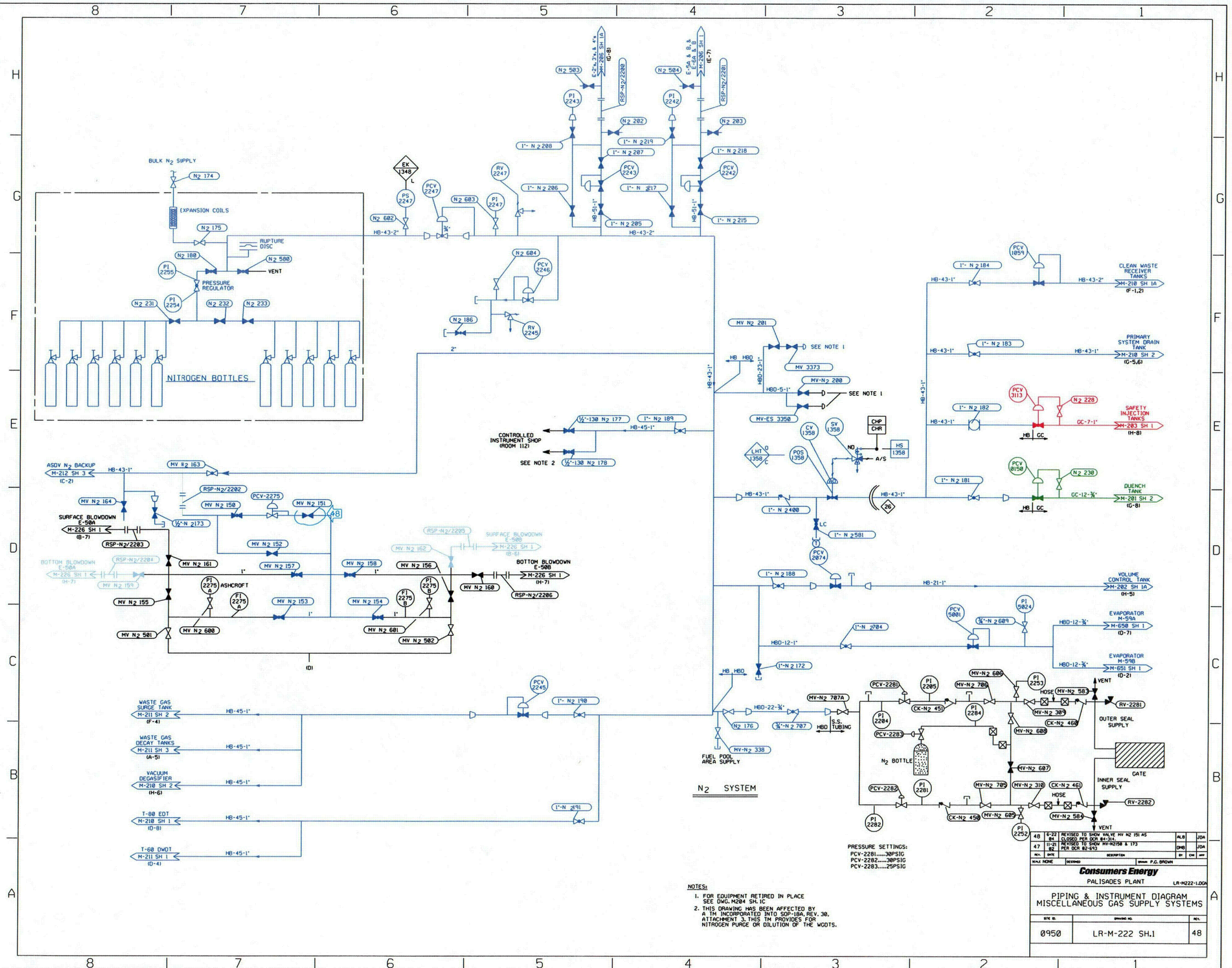
BROWN=CAS SYSTEM
MAGENTA=CDS SYSTEM
GOLD=CHM SYSTEM
GREEN=DMW SYSTEM
PURPLE=FWS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



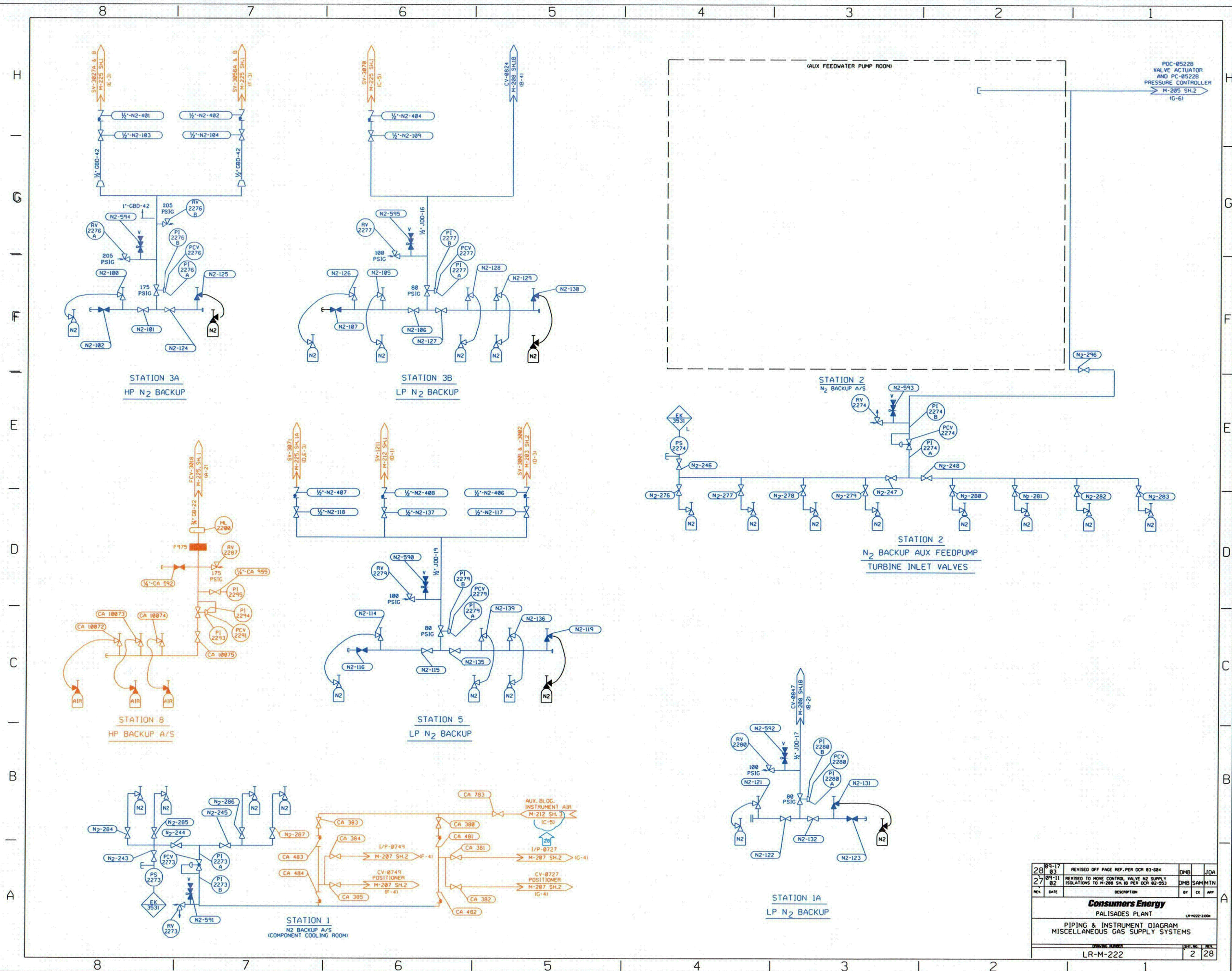
THIS DRAWING IS COLOR
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LIME GREEN=CAS SYSTEM
DARK PURPLE=CCS SYSTEM
LT. PURPLE=DMW SYSTEM
ORANGE=SCS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE





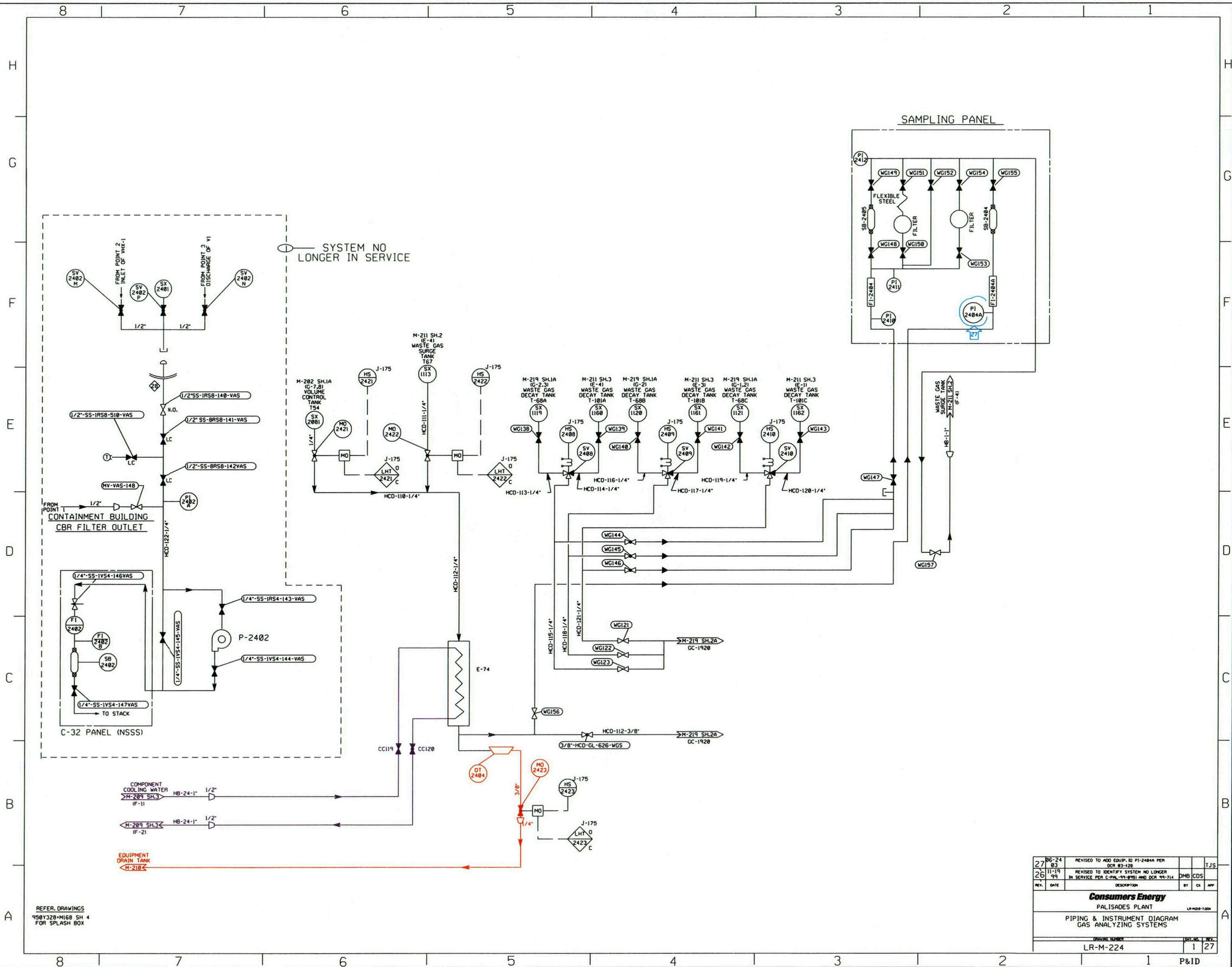
DEEP PINK=ESS SYSTEM
LIGHT BLUE=MSS SYSTEM
BLUE=MGS SYSTEM
GREEN=PCS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE



BROWN=CAS SYSTEM
BLUE=MGS SYSTEM
CYAN CLOUD=REVISION
BLACK=NOT IN SCOPE

THIS DRAWING IS COLOR
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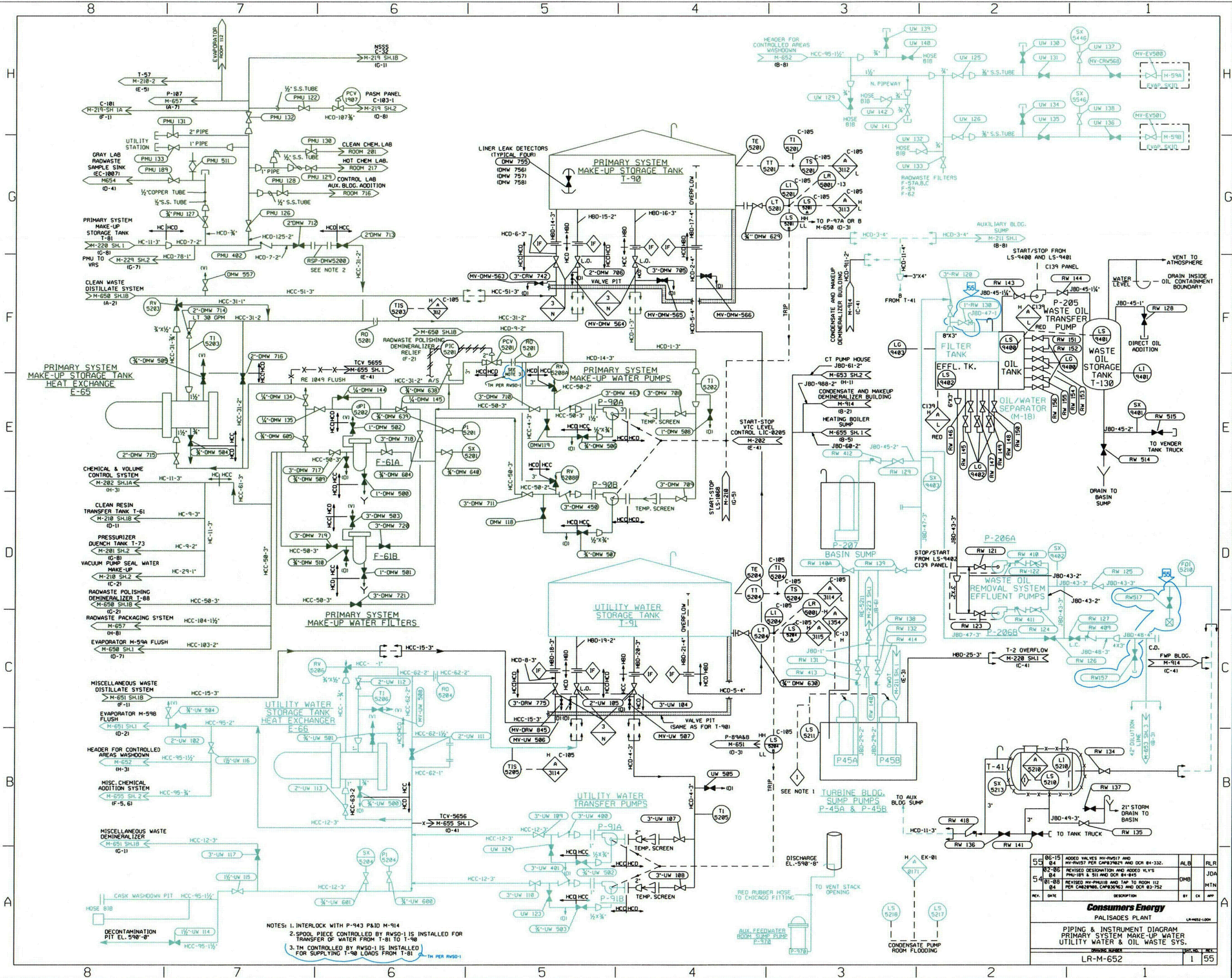
RED = RWS SYSTEM
DARK PURPLE=CCS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



27	03	REVISED TO ADD EQUIP. TO P1-2484A PER DCR 83-128			TJS
26	11-19	REVISED TO IDENTIFY SYSTEM NO LONGER IN SERVICE PER C-PAL-99-0551 AND DCR 99-214			DMS COS
REV.	DATE	DESCRIPTION	BY	CHK	APP.
Consumers Energy					
PALISADES PLANT					
PIPING & INSTRUMENT DIAGRAM					
GAS ANALYZING SYSTEMS					
DRAWING NUMBER					
LR-M-224					
1					
27					

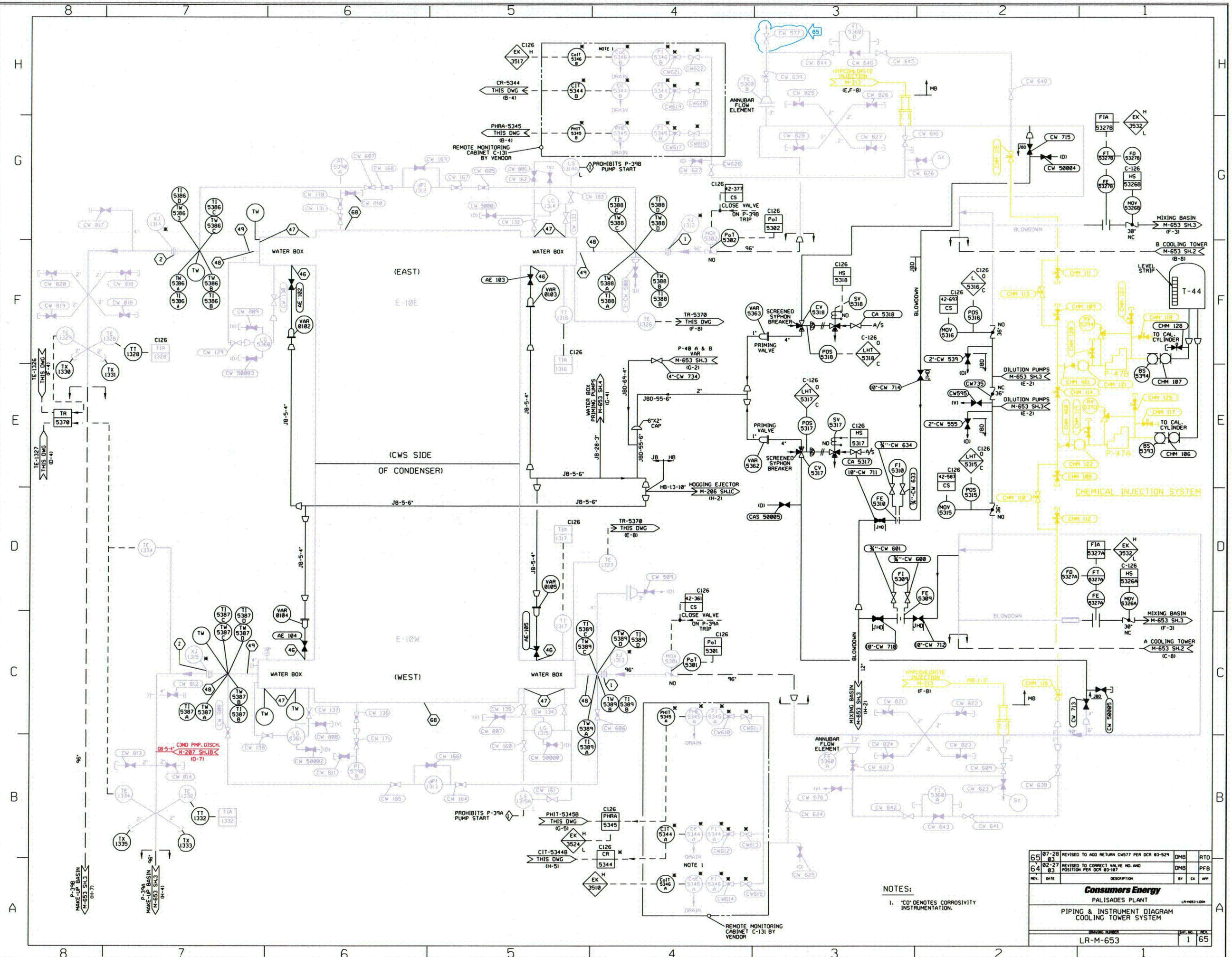
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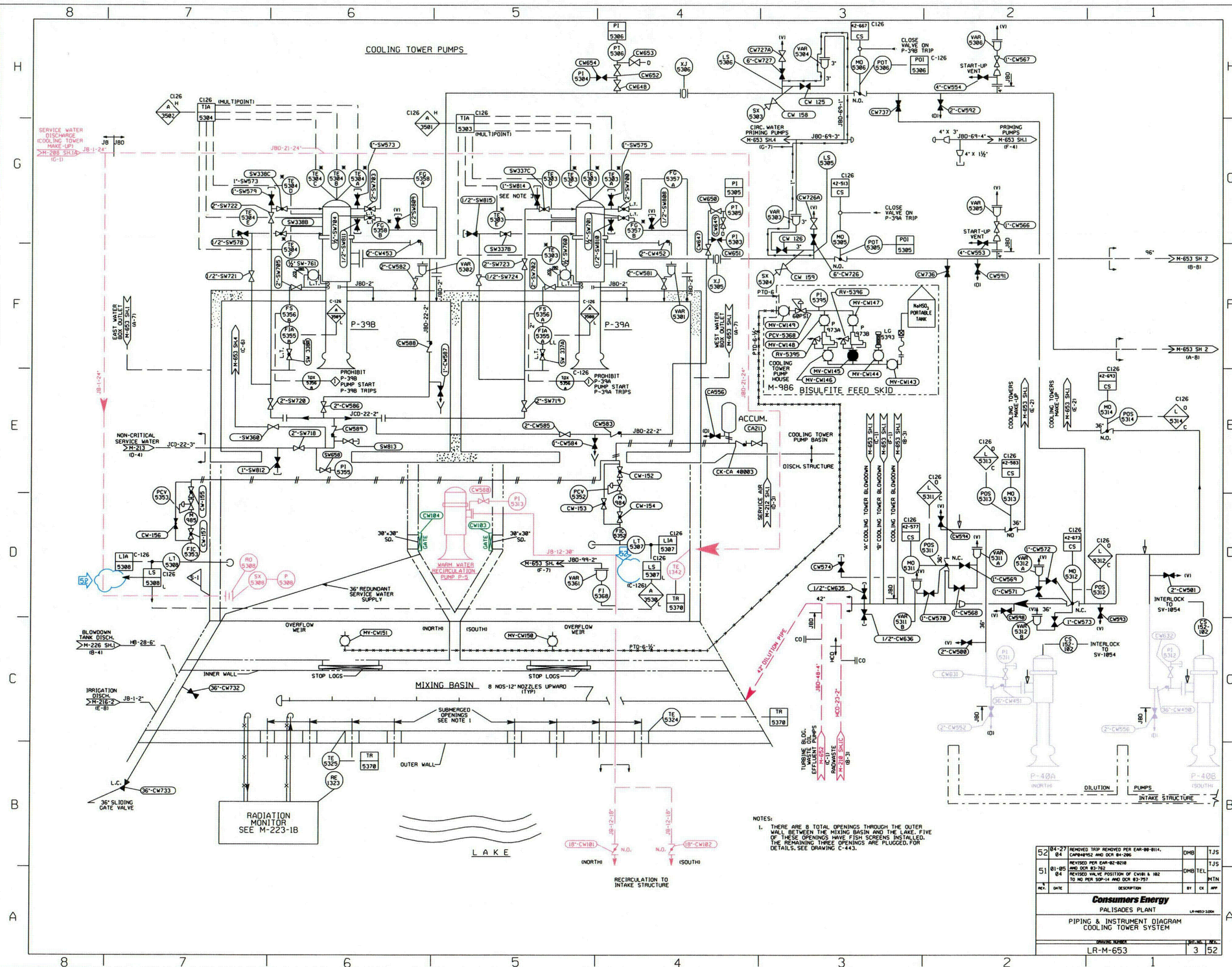
OLIVE GREEN=DMW SYSTEM
PALE GREEN=RWS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE



THIS DRAWING IS COLOR
CODED FOR LICENSE
RENEWAL.

PINK=CDS SYSTEM
GOLD=CHM SYSTEM
PURPLE=CWS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE





MAGENTA=RWS SYSTEM
LIME GREEN=CIVIL SYSTEM
PURPLE=CWS SYSTEM
PINK=SWS SYSTEM
CYAN=REVISION
BLACK=NOT IN SCOPE