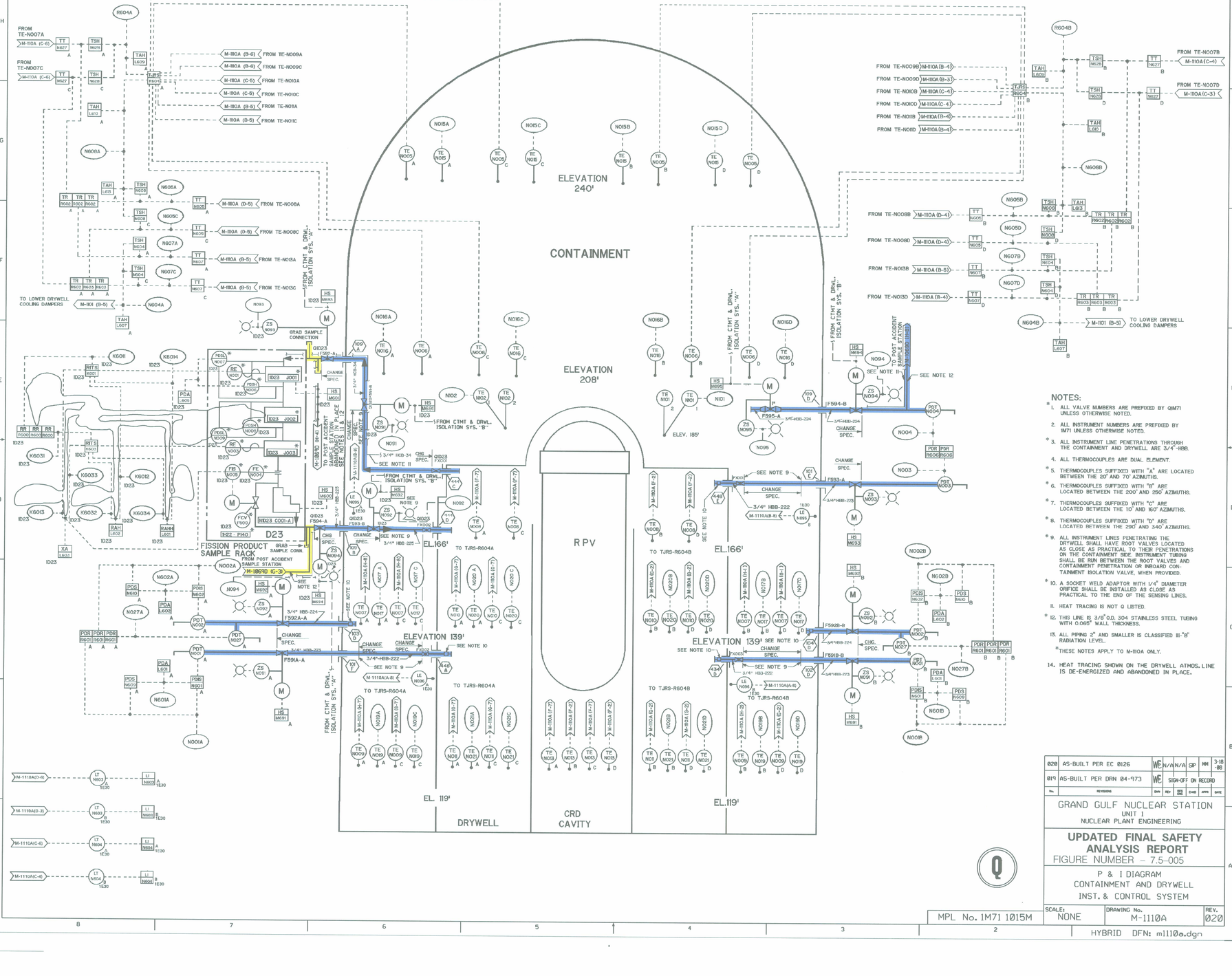
MPL No.1M71 1015M | M-1110A



NOTES:

1. ALL VALVE NUMBERS ARE PREFIXED BY QIM71 UNLESS OTHERWISE NOTED.
2. ALL INSTRUMENT NUMBERS ARE PREFIXED BY IM71 UNLESS OTHERWISE NOTED.
3. ALL INSTRUMENT LINE PENETRATIONS THROUGH THE CONTAINMENT AND DRYWELL ARE 3/4"-HBB.
4. ALL THERMOCOUPLES ARE DUAL ELEMENT.
5. THERMOCOUPLES SUFFIXED WITH "A" ARE LOCATED BETWEEN THE 20° AND 70° AZIMUTHS.
6. THERMOCOUPLES SUFFIXED WITH "B" ARE LOCATED BETWEEN THE 200° AND 250° AZIMUTHS.
7. THERMOCOUPLES SUFFIXED WITH "C" ARE LOCATED BETWEEN THE 110° AND 160° AZIMUTHS.
8. THERMOCOUPLES SUFFIXED WITH "D" ARE LOCATED BETWEEN THE 290° AND 340° AZIMUTHS.
9. ALL INSTRUMENT LINES PENETRATING THE DRYWELL SHALL HAVE ROOT VALVES LOCATED AS CLOSE AS PRACTICAL TO THEIR PENETRATIONS ON THE CONTAINMENT SIDE. INSTRUMENT TUBING SHALL BE RUN BETWEEN THE ROOT VALVES AND CONTAINMENT PENETRATION OR INBOARD CONTAINMENT ISOLATION VALVE, WHEN PROVIDED.
10. A SOCKET WELD ADAPTOR WITH 1/4" DIAMETER ORIFICE SHALL BE INSTALLED AS CLOSE AS PRACTICAL TO THE END OF THE SENSING LINES.
11. HEAT TRACING IS NOT Q LISTED.
12. THIS LINE IS 3/8"O.D. 304 STAINLESS STEEL TUBING WITH 0.065" WALL THICKNESS.
13. ALL PIPING 2" AND SMALLER IS CLASSIFIED III-"B" RADIATION LEVEL.

*THESE NOTES APPLY TO M-1110A ONLY.

14. HEAT TRACING SHOWN ON THE DRYWELL ATMOS. LINE IS DE-ENERGIZED AND ABANDONED IN PLACE.

COMPONENTS SUBJECT TO AMR

- CONTAINMENT PENETRATIONS AMM07
- NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20

NO.	REVISIONS	DRN	REV	ENG	CHKD	APPD	DATE
020	AS-BUILT PER EC 0126	WE	N/A	N/A	SP	MH	3-18-86
019	AS-BUILT PER DRN 84-973	WE	SIGN-OFF ON RECORD				

GRAND GULF NUCLEAR STATION
UNIT 1
NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
FIGURE NUMBER - 7.5-005

P & I DIAGRAM
CONTAINMENT AND DRYWELL
INST. & CONTROL SYSTEM

SCALE:	DRAWING No.	REV.
NONE	M-1110A	020

MPL No. 1M71 1015M

HYBRID DFN: m1110a.dgn

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	10-13-2011		-	-	-	-

REVISIONS
LRA-M-1110A
CAD FILE: m1110a.DGN
TRACED FILE: