



NOTES:

1. FITTINGS, TUBING, AND VALVES DESIGNATED ON THIS DETAIL BY CLASSIFICATION 4S OF THE FITTINGS CLASSIFICATION LIST ARE SAFETY CLASS. SUBSTITUTES FROM OTHER CLASSIFICATIONS ARE NOT PERMITTED.
2. 0% LEVEL IS 60" ABOVE CENTERLINE OF LOWER TAP. CENTERLINE OF LEVEL TRANSMITTER SENSOR MODULE IS TO BE AT SAME ELEVATION, ± 1/4".
3. HP LINE TO MAINTAIN AN UPWARD SLOPE TO TRANSMITTER. LP LINE TO MAINTAIN A DOWNWARD SLOPE TO TRANSMITTER.
4. FIELD-ROUTED TUBING TO MEET ICS-A STANDARD FOR REDUNDANCY AND SUPPORT.

FUNCTIONAL DESCRIPTION: (FOR ACCUMULATOR TANK "A", APPLIES TO ALL)

2NIPT5040 & 2NIPT5050 MONITOR TANK PRESSURE AND SUPPLY INPUTS TO THE PROCESS CONTROL CABINETS. FROM THESE CABINETS, SIGNALS ARE SENT TO 2NIP5040 & 2NIP5050, RESPECTIVELY, AND ALARMS ARE INITIATED ON HIGH AND LOW PRESSURES. 2NILT5040 & 2NILT5050 MONITOR TANK LEVEL AND SUPPLY INPUTS TO THE PROCESS CONTROL CABINETS. FROM THESE CABINETS, SIGNALS ARE SENT TO 2NIP5041 & 2NIP5051, RESPECTIVELY, AND ALARMS ARE INITIATED ON HIGH AND LOW LEVELS. 2NILT5051 MONITORS FULL RANGE TANK LEVEL AND PROVIDES A SIGNAL TO 2NIP 5052.

NUCLEAR SAFETY RELATED EXCLUSIONS:

1. FITTINGS, TUBINGS, PIPING, & VALVES, (NOT PART OF A SAFETY RELATED PIPING SYSTEM, ETC.)
 - a) NONE
2. INSTRUMENTS (DO NOT SERVE A SAFETY RELATED FUNCTION)
 - a) 2NILT5040, 2NILT5050, 2NILT5060, 2NILT5070, 2NILT5080, 2NILT5090, 2NILT5100, 2NILT5110
 - b) 2NIP 5052, 2NIP 5072, 2NIP 5092, 2NIP 5112
 - c) 2NIPT5040, 2NIPT5050, 2NIPT5060, 2NIPT5070, 2NIPT5080, 2NIPT5090, 2NIPT5100, 2NIPT5110
 - d) 2NILT5051, 2NILT5071, 2NILT5091, 2NILT5111

QA CONDITION 1
 NUCLEAR SAFETY RELATED
 (EXCEPT AS EXCLUDED ABOVE)

MC GUIRE NUCLEAR STATION UNIT 2
 INSTRUMENT DETAIL
 ACCUMULATOR TANK LAYOUT

11 REV. PER NSM MG-20457/00
 IMP. DATE 7/02/87
 10 ADDED INSTRS AND UPDATED PER
 NSM MG-2 0598/82 IMP. DATE 6-4-86
 9 REDED "AS-BUILT" STRIP
 RELEASED FOR CONSTRUCTION

DESIGNED	8-3-77	REVISED	8-15-77
CHECKED	8-4-77	BY	8-23-77
APPROVED	8-9-77	BY	

FOR INFORMATION ONLY

CL. 2 Hydro SHI 2

SI APERTURE CARD

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PDR RIDS

