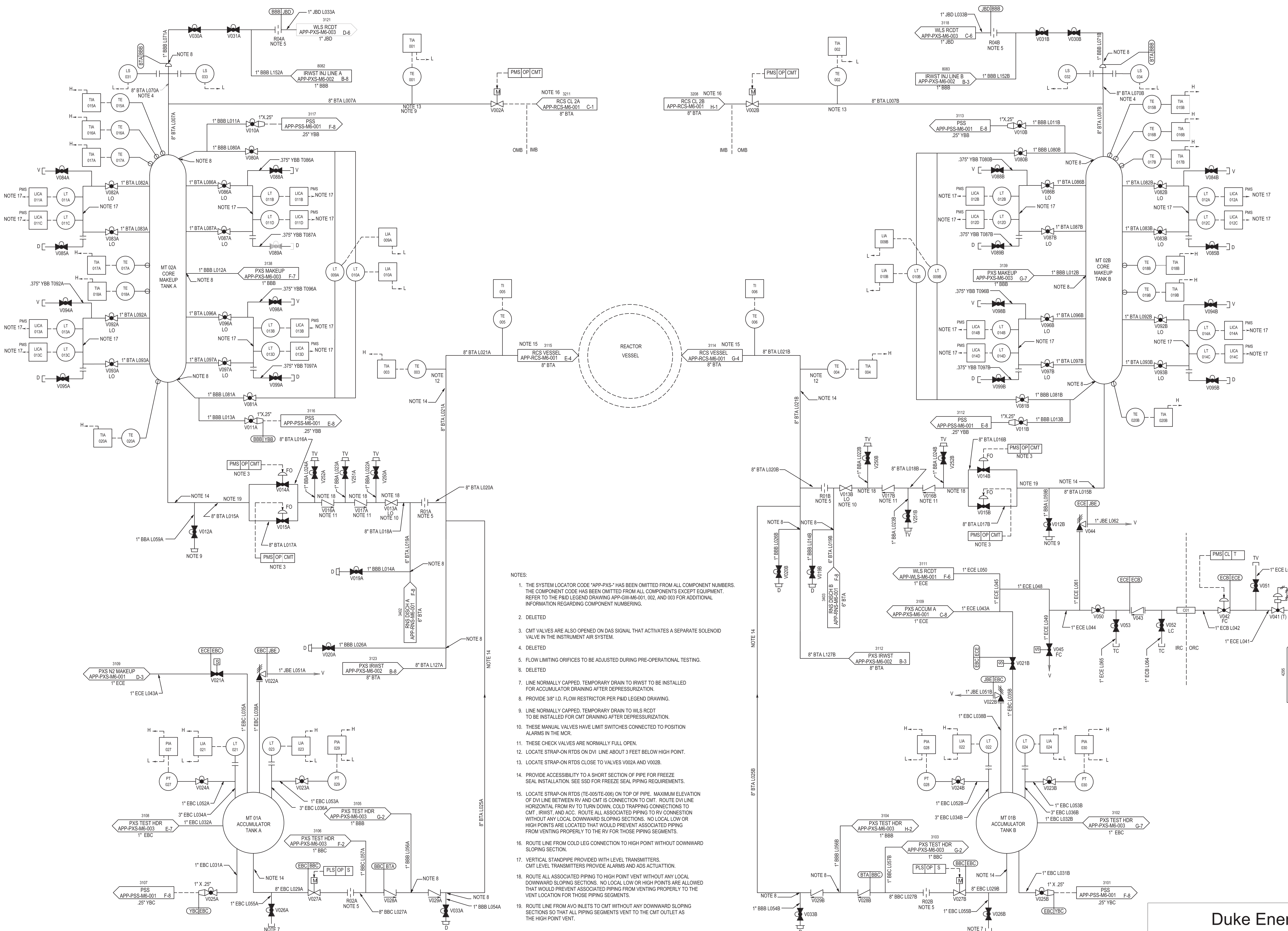

NOTES:

1. THE SYSTEM LOCATOR CODE "APP-PXS-" HAS BEEN OMITTED FROM ALL COMPONENT NUMBERS. THE COMPONENT CODE HAS BEEN OMITTED FROM ALL COMPONENTS EXCEPT EQUIPMENT. REFER TO THE P&ID LEGEND DRAWING APP-GW-M6-001, 002, AND 003 FOR ADDITIONAL INFORMATION REGARDING COMPONENT NUMBERING.
2. DELETED
3. CMT VALVES ARE ALSO OPENED ON DAS SIGNAL THAT ACTIVATES A SEPARATE SOLENOID VALVE IN THE INSTRUMENT AIR SYSTEM.
4. DELETED
5. FLOW LIMITING ORIFICES TO BE ADJUSTED DURING PRE-OPERATIONAL TESTING.
6. DELETED
7. LINE NORMALLY CAPPED. TEMPORARY DRAIN TO IRWST TO BE INSTALLED FOR ACCUMULATOR DRAINING AFTER DEPRESSURIZATION.
8. PROVIDE 3/8" I.D. FLOW RESTRICTOR PER P&ID LEGEND DRAWING.
9. LINE NORMALLY CAPPED. TEMPORARY DRAIN TO WLS RCDT TO BE INSTALLED FOR CMT DRAINING AFTER DEPRESSURIZATION.
10. THESE MANUAL VALVES HAVE LIMIT SWITCHES CONNECTED TO POSITION ALARMS IN THE MCR.
11. THESE CHECK VALVES ARE NORMALLY FULL OPEN.
12. LOCATE STRAP-ON RTDS ON DVI LINE ABOUT 3 FEET BELOW HIGH POINT.
13. LOCATE STRAP-ON RTDS CLOSE TO VALVES V002A AND V002B.
14. PROVIDE ACCESSIBILITY TO A SHORT SECTION OF PIPE FOR FREEZE SEAL INSTALLATION. SEE SSD FOR FREEZE SEAL PIPING REQUIREMENTS.
15. LOCATE STRAP-ON RTDS (TE-005/TE-006) ON TOP OF PIPE. MAXIMUM ELEVATION OF DVI LINE BETWEEN RV AND CMT IS CONNECTION TO CMT. ROUTE DVI LINE HORIZONTAL FROM RV TO TURN DOWN, COLD TRAPPING CONNECTIONS TO CMT , IRWST, AND ACC. ROUTE ALL ASSOCIATED PIPING TO RV CONNESTION WITHOUT ANY LOCAL DOWNWARD SLOPING SECTIONS. NO LOCAL LOW OR HIGH POINTS ARE LOCATED THAT WOULD PREVENT ASSOCIATED PIPING FROM VENTING PROPERLY TO THE RV FOR THOSE PIPING SEGMENTS.
16. ROUTE LINE FROM COLD LEG CONNECTION TO HIGH POINT WITHOUT DOWNWARD SLOPING SECTION.
17. VERTICAL STANDPIPE PROVIDED WITH LEVEL TRANSMITTERS. CMT LEVEL TRANSMITTERS PROVIDE ALARMS AND ADS ACTUATTION.
18. ROUTE ALL ASSOCIATED PIPING TO HIGH POINT VENT WITHOUT ANY LOCAL DOWNWARD SLOPING SECTIONS. NO LOCAL LOW OR HIGH POINTS ARE ALLOWED THAT WOULD PREVENT ASSOCIATED PIPING FROM VENTING PROPERLY TO THE VENT LOCATION FOR THOSE PIPING SEGMENTS.
19. ROUTE LINE FROM AVO INLETS TO CMT WITHOUT ANY DOWNWARD SLOPING SECTIONS SO THAT ALL PIPING SEGMENTS VENT TO THE CMT OUTLET AS THE HIGH POINT VENT.

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Passive Core Cooling System
Piping and Instrumentation Diagram

FIGURE 6.3-201 (Sheet 1 of 3)

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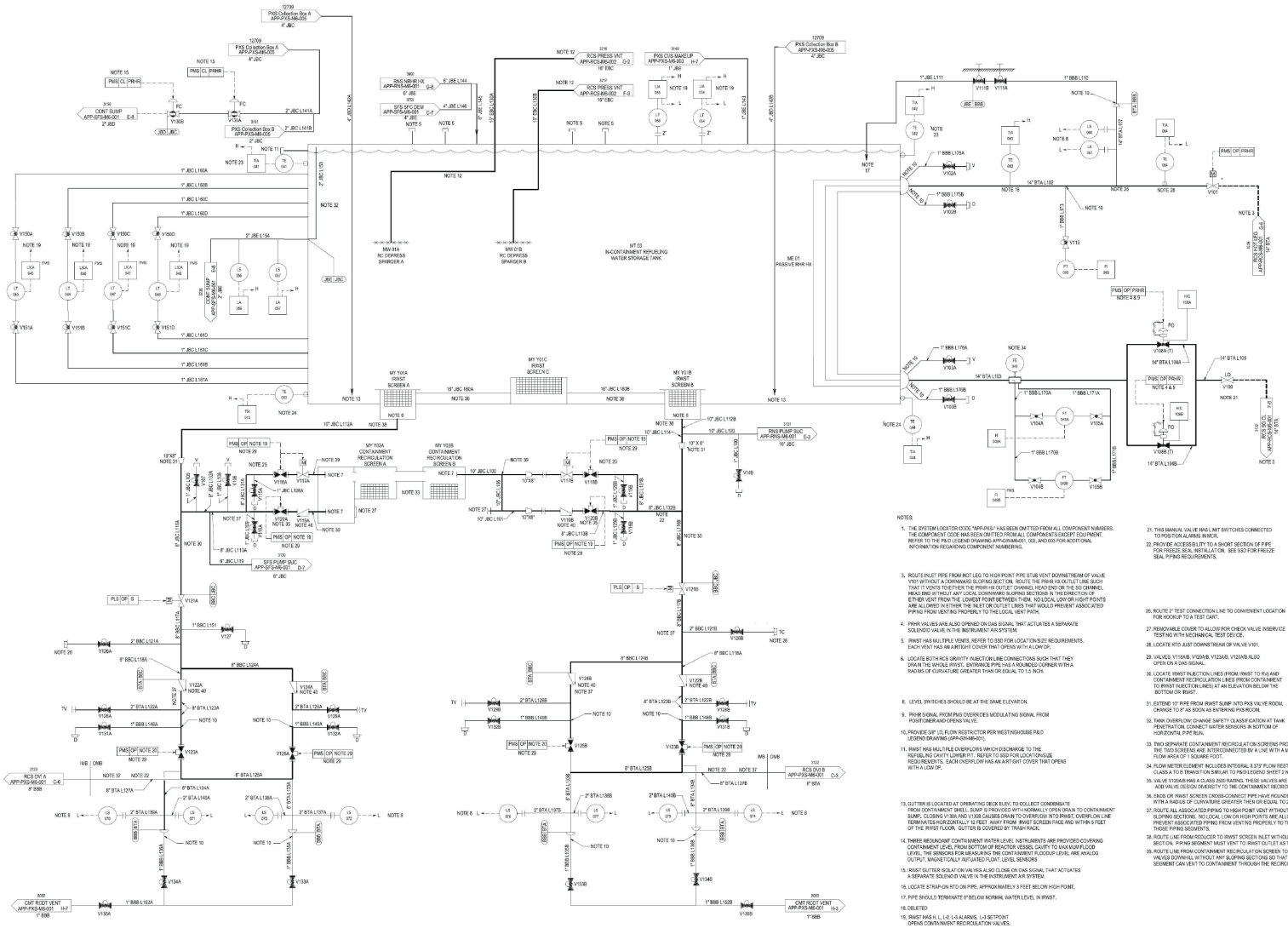

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FIGURE 6.3-201 (Sheet 2 of 3)

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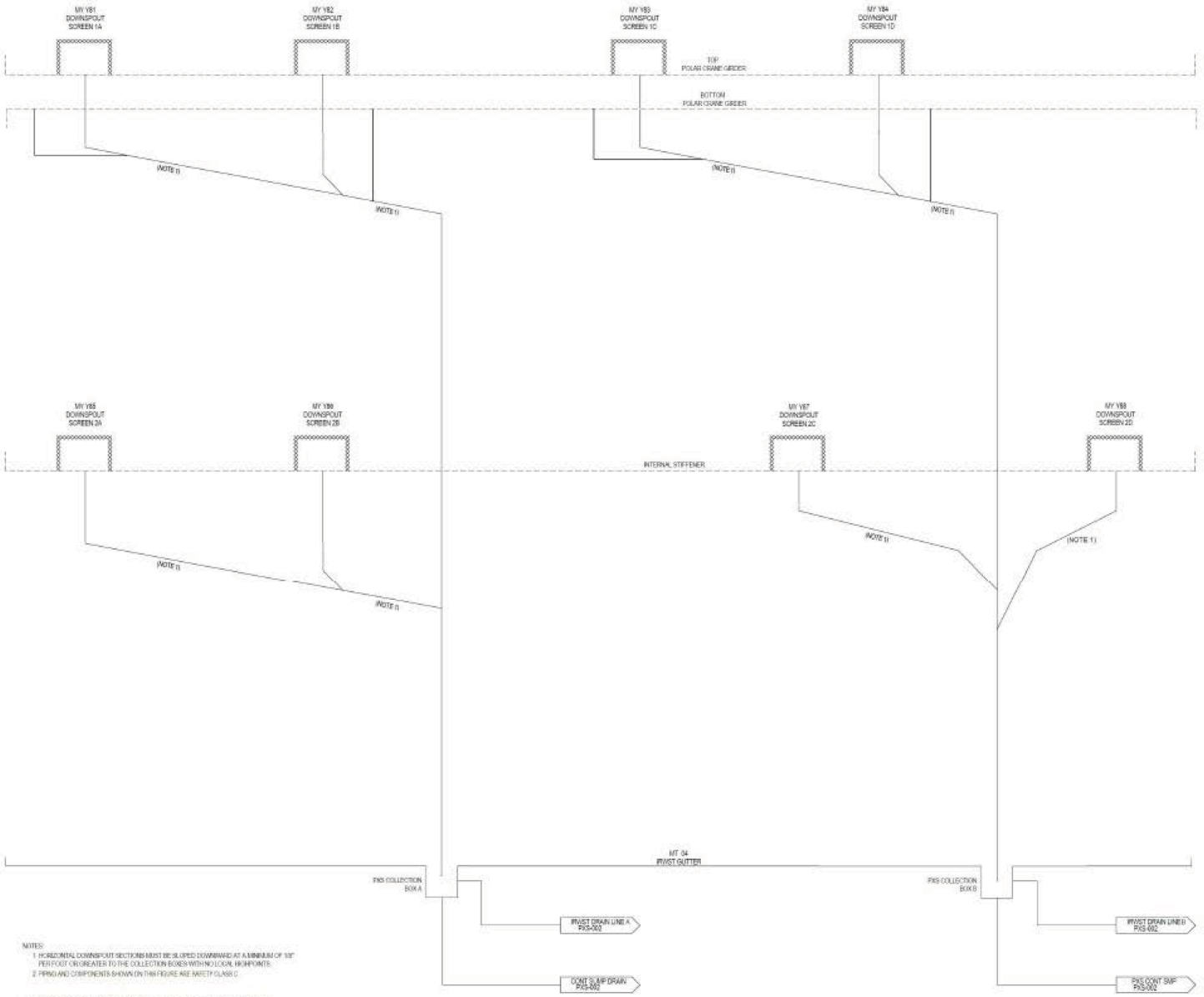

NOTES:
1. HORIZONTAL DOWNSPOUT SECTIONS MUST BE SLOPED DOWNWARD AT A MINIMUM OF 1/8" PER FOOT OR GREATER TO THE COLLECTION BOXES WITH NO LOCAL HIGHPOINTS.
2. PIPING AND COMPONENTS SHOWN ON THIS FIGURE ARE SAFETY CLASS C.

VENTS, DRAINS AND TEST CONNECTIONS ARE INCLUDED IN THE SYSTEM DESIGN BUT NOT SPECIFICALLY SHOWN ON DCD FIGURES.

FIGURE REPRESENTS SYSTEM FUNCTIONAL ARRANGEMENT. DETAILS INTERNAL TO THE SYSTEM MAY DIFFER AS A RESULT OF IMPLEMENTATION FACTORS SUCH AS VENDOR-SPECIFIC COMPONENT REQUIREMENTS.

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FIGURE 6.3-201 (Sheet 3 of 3)
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