

GENERAL NOTES:

1 ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "7A" TO REPRESENT THE FINAL DRUG

PRODUCT (FDP) BUILDING. 2 ALL AUTOMATIĆ VALVES FAIL CLOSED (F.C.) UNLESS NOTED FAIL OPEN (F.O.).

3 ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE

PCS UNLESS OTHERWISE NOTED. 4 LAST LINE NUMBER:

260009, 860008

NONE
7 AUTO VALVE NUMBERS NOT USED:

8 LAST MANUAL VALVE NUMBER: 260006, 860009 9 MANUAL VALVE NUMBERS NOT USED:

SHEET NOTES

1 VENDOR SHALL PROVIDE A LEASED STORAGE TANK WITH ALL OF THE COMPONENTS AND INSTRUMENTATION NECESSARY TO RECEIVE, STORE, AND DISTRIBUTE LIQUID NITROGEN THROUGHOUT A PROCESSING FACILITY. VESSEL SHALL BE SUPPLIED WITH A MEANS TO MONITOR LEVEL LOCALLY AND WITH A REMOTE TELEMETRY UNIT (TYPE-TBD). STORAGE SYSTEM SHALL INCLUDE ALL OF THE NECESSARY SAFETY INSTRUMENTATION TO MEET LOCAL CODES. AS A MINIMUM, VENDOR SHALL PROVIDE AN AUTOMATIC SYSTEM STOP VALVE ACTIVATED IN THE EVENT OF A LEAK IN THE PIPING DISTRIBUTION SYSTEM. COMPONENTS AND EQUIPMENT SHOWN WITHIN THE VENDOR BOX IS FOR INFORMATION ONLY AND MAY NOT MATCH WHAT THE LEASED EQUIPMENT

2 VACUUM JACKETED PIPE - STAINLESS STEEL ASTM A312 Tp 304. FINAL DESIGN BY CRYOGENIC CONTRACTOR.

3 TANK INSULATED WITH PERLITE POWDER AND SUPER VACUUM MULTILAYER. 4 MANUAL VALVES WITH BONNET EXTENSIONS FOR

6 TRUCK LOADING CONNECTION - CRYOGENIC 7 SAFETY VALVE - CRYOGENIC SERVICE. 8 HOLD PENDING ASPHYXIATION ASSESSMENT.

9 VENT TO A SAFE LOCATION. VENTS TO THE EXTERIOR OF THE BUILDING SHALL BE INSTALLED WITH A BIRD SCREEN.

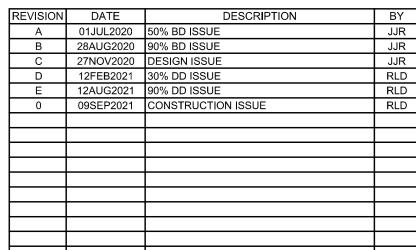
______ INTERLOCKS

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REVISION HISTORY

1 REV. 0 - NONE.

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BURITI EPCMV

P&I DIAGRAM DRUG PRODUCT LIQ. NITROGEN RECEIVING, STORAGE, & DISTRIBUTION

DRAWN BY XREF FILE(S)

DRAWING NUMBER

7A-Z-0-2-34

THIS IS NOT A SEALED DOCUMENT

Robert L. De Somiei Jr.

ISSUED FOR

CONSTRUCTION

DP/DT: ≤ 0.14 BAR / 21°C