REVISIONS							
ZONE	REV	DESCRIPTION	CHANGED BY	DATE	CLASS REVIEW	APPROVED
–	A	ORIGINAL ISSUE	–	09/12/02	NR	MAB

GENERAL NOTES

A. WIRE DATABASE; REFER TO DRAWING
155Y510450 (104020500–M8D–8200–M450–R00)
155Y511146 (104020100–M8D–8200–Q146–R00)

B. FACILITY LAYOUT DRAWING; REFER TO DRAWING
104000000–G8E–A006–R04

C. DTL2 WATER SYSTEM P&ID DRAWING; REFER TO DRAWINGS
155Y510002 (104020500–M8D–8200–M002–R00)
155Y510004 (104020500–M8D–8200–M004–R00)
155Y510010 (104020500–M8D–8200–M010–R00)
155Y510016 (104020500–M8D–8200–M016–R00)

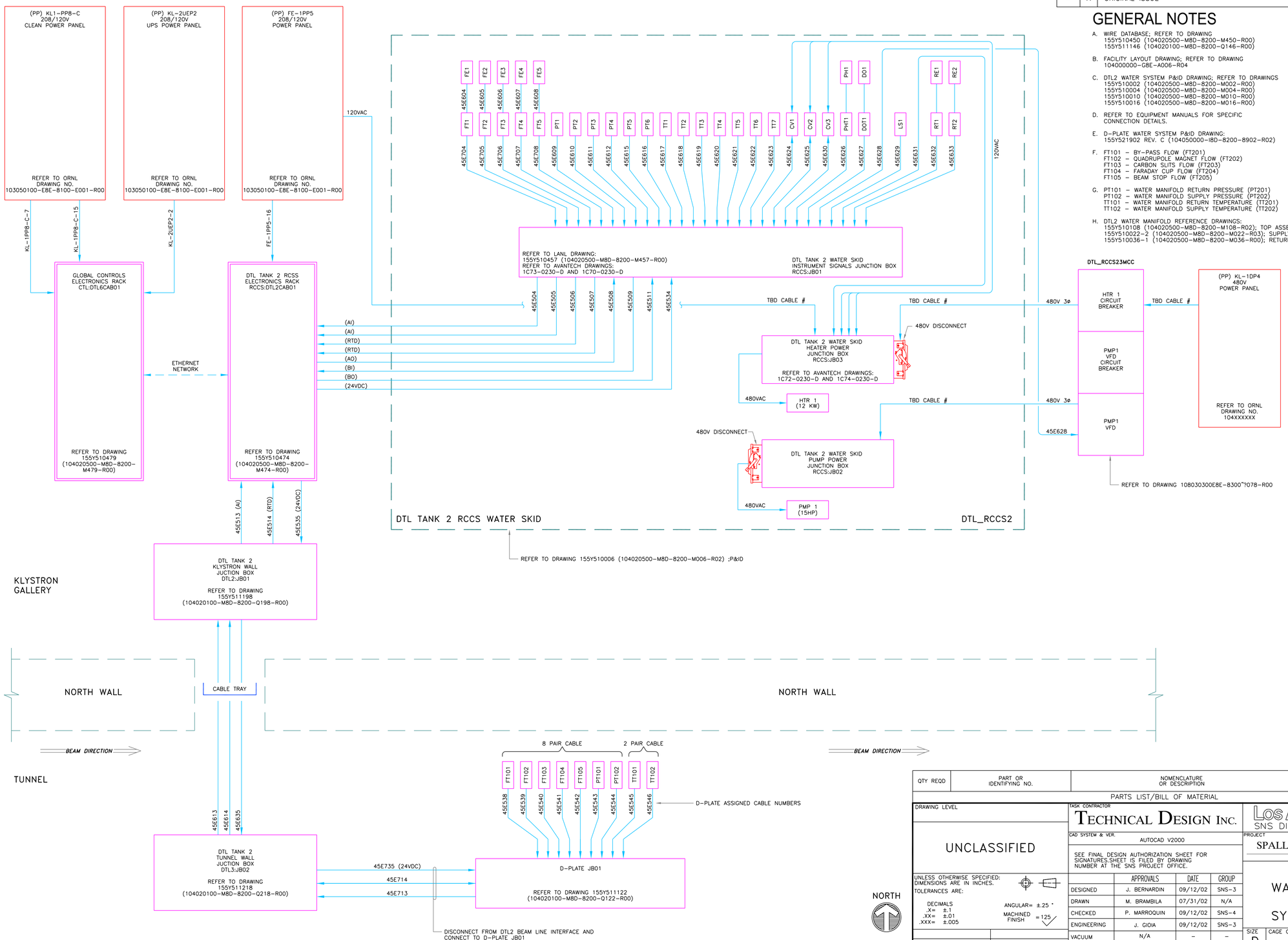
D. REFER TO EQUIPMENT MANUALS FOR SPECIFIC CONNECTION DETAILS.

E. D–PLATE WATER SYSTEM P&ID DRAWING:
155Y521902 REV. C (104050000–I8D–8200–8902–R02)

F. FT101 – BY–PASS FLOW (FT201)
FT102 – QUADRUPOLE MAGNET FLOW (FT202)
FT103 – CARBON SLITS FLOW (FT203)
FT104 – FARADAY CUP FLOW (FT204)
FT105 – BEAM STOP FLOW (FT205)

G. PT101 – WATER MANIFOLD RETURN PRESSURE (PT201)
PT102 – WATER MANIFOLD SUPPLY PRESSURE (PT202)
TT101 – WATER MANIFOLD RETURN TEMPERATURE (TT201)
TT102 – WATER MANIFOLD SUPPLY TEMPERATURE (TT202)

H. DTL2 WATER MANIFOLD REFERENCE DRAWINGS:
155Y510108 (104020500–M8D–8200–M108–R02); TOP ASSEMBLY.
155Y510022–2 (104020500–M8D–8200–M022–R03); SUPPLY MANIFOLD
155Y510036–1 (104020500–M8D–8200–M036–R00); RETURN MANIFOLD.



QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO

PARTS LIST/BILL OF MATERIAL

DRAWING LEVEL

UNCLASSIFIED

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS .X= ±.1 .XX= ±.01 .XXX= ±.005
ANGULAR= ±.25 °
MACHINED FINISH = 125

NEXT ASSEMBLY USED ON
APPLICATION

TASK CONTRACTOR
TECHNICAL DESIGN INC.

CAD SYSTEM & VER.
AUTOCAD V2000

SEE FINAL DESIGN AUTHORIZATION SHEET FOR SIGNATURES.SHEET IS FILED BY DRAWING NUMBER AT THE SNS PROJECT OFFICE.

	APPROVALS	DATE	GROUP
DESIGNED	J. BERNARDIN	09/12/02	SNS–3
DRAWN	M. BRAMBILA	07/31/02	N/A
CHECKED	P. MARROQUIN	09/12/02	SNS–4
ENGINEERING	J. GIOIA	09/12/02	SNS–3
VACUUM	N/A	–	–
PHYSICS	N/A	–	–
APPROVED	J. BERNARDIN	09/12/02	SNS–3

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Los Alamos,New Mexico 87545

PROJECT
SPALLATION NEUTRON SOURCE SNS

DTL D–PLATE WATER COOLING SYSTEM TANK 2 SYSTEM BLOCK DIAGRAM

SIZE D | CAGE CODE | DWG NO. & CAD FILENAME 155Y511151 | REV A

SCALE NONE | DO NOT SCALE | SHEET 1 OF 1

SNS DWG No.
104020100–M8D–8200–Q151–R00