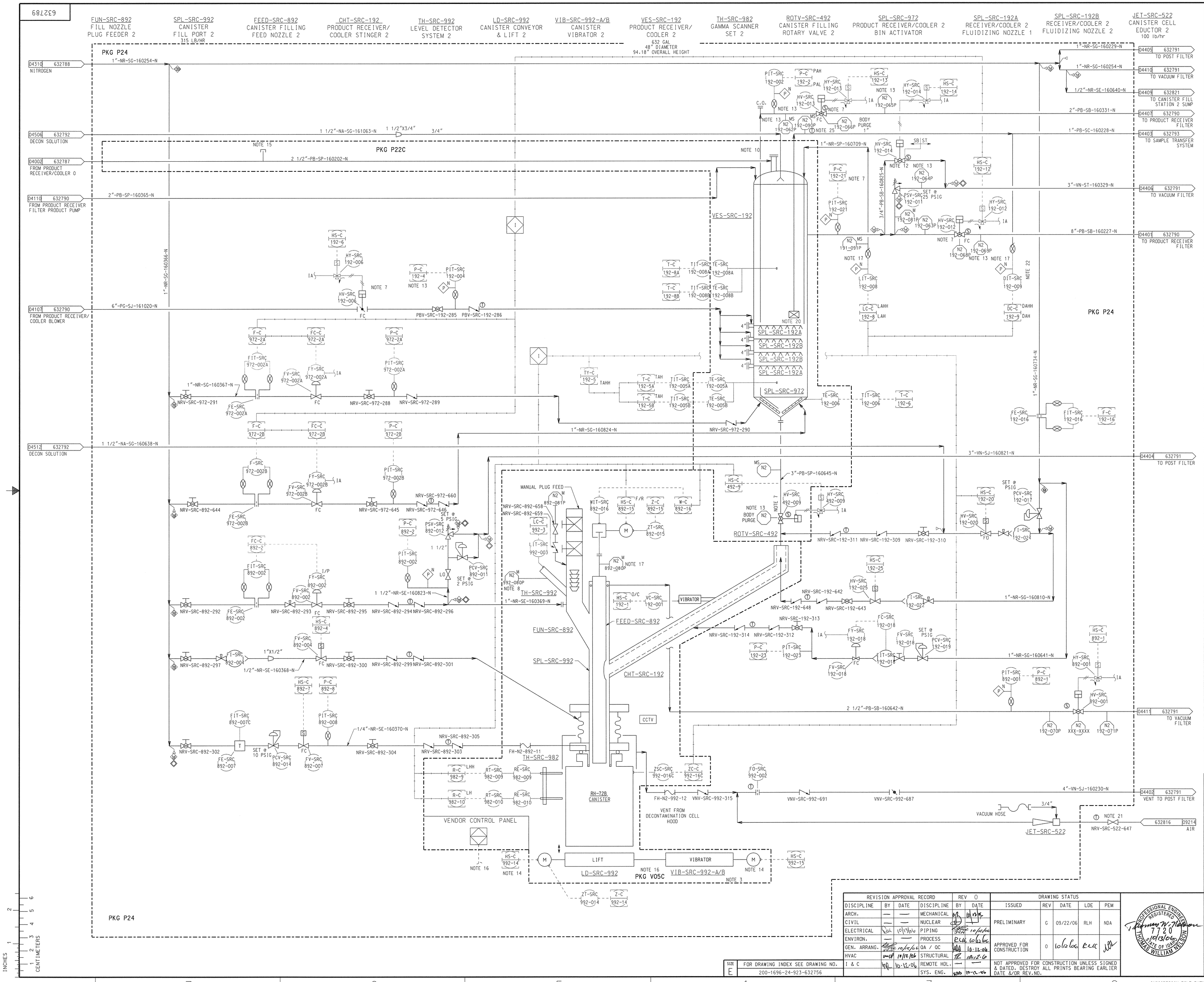
632789



REV	DATE	DESCRIPTION	By/Chk'd
0	10/12/06	ISSUED FOR DESIGN FREEZE	JRK/SA

NOTES

1. DELETED.
2. SAM-SRC-670-C IS A SOLID SAMPLING SYSTEM FOR DRAWING A SAMPLE OF THE PROCESS SOLID PRODUCT.
3. DENOTES CANISTER FILL SYSTEM SKID V-5C.
4. DENOTES PRODUCT RECEIVER/COOLER AND PH POST FILTER. SKID P-22C.
5. DENOTES VALVES & INSTRUMENTS ON NON-RAD VALVE/INSTRUMENT RACK. SKID P-24
6. SOLENOID VALVES AND I/P ARE LOCATED OUTSIDE SHIELDED AREA WITH PNEUMATIC TUBING INTO CELL.
7. DENOTES VALVES HAVING POSITION SWITCHES SHOWN (632758). (S) DENOTES SPECIALTY VALVE.
8. DURING DECONTAMINATION OF PRODUCT RECEIVER AND FILL PORT, DECON FLUID WILL BE DRAINED INTO A SPECIAL CANISTER. THE SPECIAL CANISTER WILL INCLUDE A JET TO EMPTY THE CANISTER INTO THE DECON FLUID SUMP SYSTEM FOR THE CONTAINMENT CELL.
9. PIPING IS SHIELDED BETWEEN 4-PACK AND CANISTER FILLING AREA.
10. AUXILIARY SOLIDS REMOVAL PIPE IN EVENT BOTTOM SOLIDS VALVE FAILS.
11. LIQUID-TIGHT BALL VALVE TO BE CLOSED ONLY WHEN LIQUID IS TO BE ADMITTED INTO TANK.
12. SEE TYPICAL PRESSURE RELIEF VALVE ON DWG. 632758.
13. (P/N), (N2), AND (N2/NNN) SEE DETAILS ON DWG. 632758.
14. SEE TYPICAL MOTOR DETAIL ON DWG. 632758.
15. STUBOUT FOR CALCINE TRANSFER FROM BIN SETS.
16. FINAL CANISTER FILLING TAGS & DCS INTERFACE TO BE DETERMINED AFTER TESTING AND VENDOR SELECTION. (APPLIES TO PKG V05 & PART OF P24)
17. PRESSURE FILLING TUBE DRIVE SYSTEM.
18. PRESSURE FILLING PLUM REEL ENCLOSURE.
19. CHANGED INSTRUMENT AND VALVE TAG NUMBERS PER MCP-3785 AND EQUIPMENT TAG NUMBERS PER DCN-IWTU-115.
20. 3/16" CUSTOM SCREEN.
21. LOCATE BY WINDOW.
22. INSIDE SAMPLE CELL.
23. DELETED.
24. DELETED.
25. LOCATE AS CLOSE TO VESSEL AS PRACTICAL FOR DILUTION AIR.

SAFETY SIGNIFICANT ITEMS:
NONE

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REFERENCE DRAWINGS

DRAWING NO.	DRAWING TITLE

IDAHO CLEANUP PROJECT INTEGRATED WASTE TREATMENT UNIT

PIPING & INSTRUMENT DIAGRAM PRODUCT RECEIVER AND CANISTER FILLING - SHEET 3

Washington Group International
7800 E. Union Ave. - Denver, CO 80237 - (303) 843-2000

THOR Treatment Technologies

REVISION APPROVAL RECORD				REV 0	
DISCIPLINE	BY	DATE	DISCIPLINE	BY	DATE
ARCH.	—	—	MECHANICAL		10/12/06
CIVIL	—	—	NUCLEAR		
ELECTRICAL		10/12/06	PIPING		10/12/06
ENVIRON.	—	—	PROCESS		10/12/06
GEN. ARRANG.		10/12/06	QA / QC		10-12-06
HVAC		10/12/06	STRUCTURAL		10/12/06
I & C		10-12-06	REMOTE HDL.	—	—
			SYS. ENG.		10-12-06

DRAWING STATUS					
ISSUED	REV	DATE	LDE	PEM	
PRELIMINARY	G	09/22/06	RLH	NDA	
APPROVED FOR CONSTRUCTION	0	10/12/06			

NOT APPROVED FOR CONSTRUCTION UNLESS SIGNED & DATED. DESTROY ALL PRINTS BEARING EARLIER DATE &/OR REV.NO.

PROFESSIONAL ENGINEER REGISTERED 7720 10/13/06 STATE OF IDAHO THOMAS WILLIAM NELSON

SIZE	E
FOR DRAWING INDEX SEE DRAWING NO.	200-1696-24-923-632756

SCALE: NONE	APP BY 10/11/06	PROJECT NO. 28276	
DRAWN: ORW	DATE 12/19/05	WBS: P.1.04.03.04	
DESIGNED:	DATE 10/12/06	SYSTEM:	QUALITY LEVEL: 3
CHECKED:	DATE 10/12/06	DRAWING NUMBER 632789	REV 0
VERIFIED:	DATE 10/12/06		
APPROVED:	DATE	INDEX CODE NUMBER: AREA TYPE SQ DATE 200 1696 24 923	SHEET P-40
CAD FILE NAME: 632789.pid			

$WG1$DESIGN_FILE_PATH_AND_NAME_EXTENSION$
$WG1$PLOT DATE AND TIME$