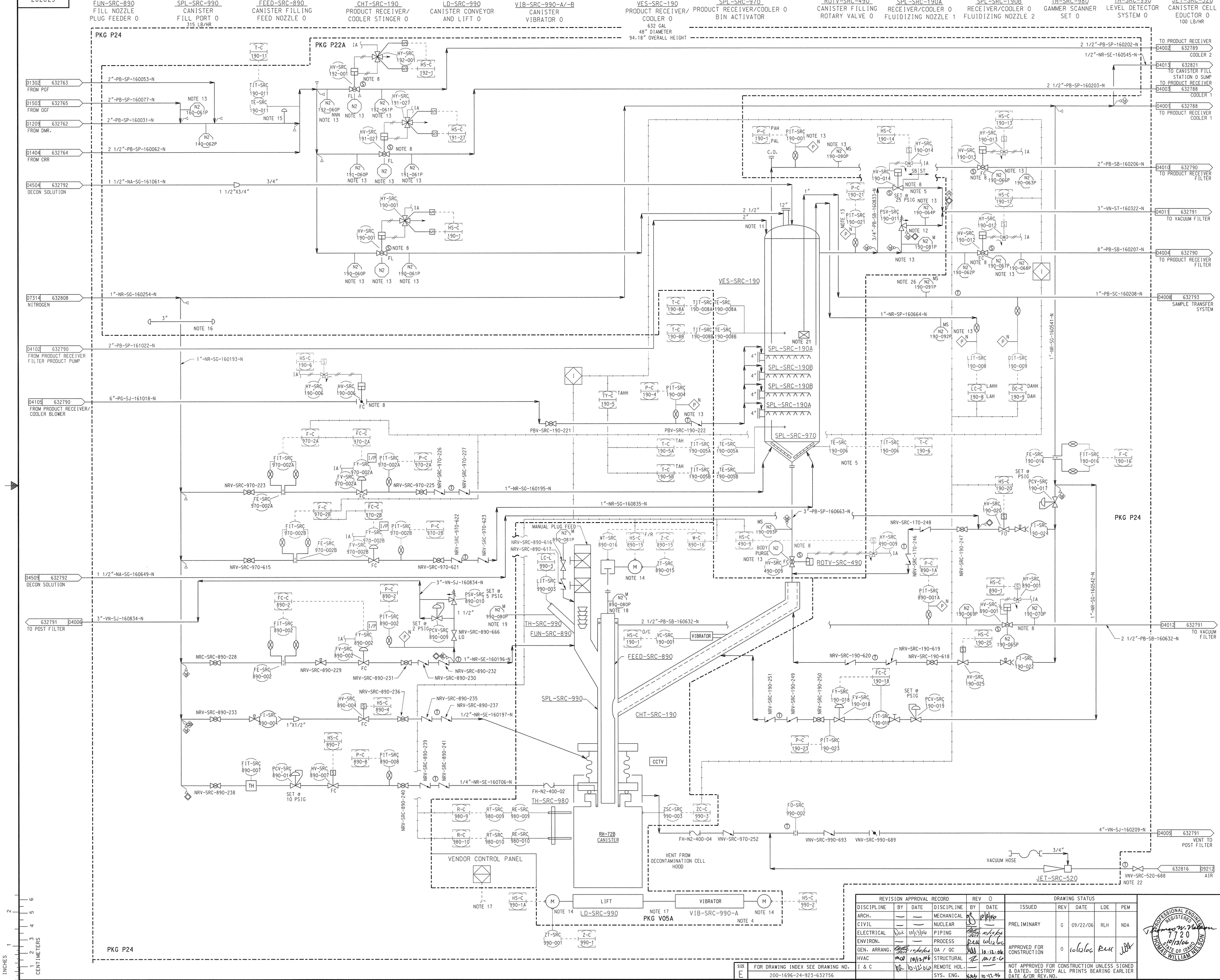
632787



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

NOTES

1. DELETED.
2. SAM-SRC-670-A IS A SOLID SAMPLING SYSTEM FOR DRAWING A SAMPLE OF THE PROCESS SOLID PRODUCT.
3. TO FACILITATE THE CHANGE TO CALCINE PACKAGING, PIPING UPSTREAM OF THIS LOCATION WILL BE REPLACED.
4. DENOTES CANISTER FILL SYSTEM SKID V-5A.
5. DENOTES PRODUCT RECEIVER/COOLER AND PH VACUUM FILTER, SKID P-22A.
6. DENOTES VALVES & INSTRUMENTS ON NON-RAD VALVE/INSTRUMENT RACK. SKID P-24
7. SOLENOID VALVES AND I/P ARE LOCATED OUTSIDE SHIELDED AREA WITH PNEUMATIC TUBING INTO CELL.
8. DENOTES VALVES HAVING POSITION SWITCHES SHOWN (TYPICAL). SEE 632758. (S) DENOTES SPECIALTY VALVE.
9. 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.
10. PIPING IS SHIELDED BETWEEN 4-PACK AND CANISTER FILLING AREA.
11. AUXILIARY SOLIDS REMOVAL PIPE IN EVENT BOTTOM SOLIDS VALVE FAILS.
12. SEE TYPICAL PRESSURE RELIEF VALVE ON DWG 632758.
13. (N2), (N2 NNN) AND (P N) SEE DETAILS ON DWG. 632758.
14. SEE TYPICAL MOTOR DETAIL ON DWG 632758.
15. STUBOUT FOR CALCINE TRANSFER FROM BIN SETS.
16. FUTURE CALCINE RECEIPT LINE. LINE WILL HAVE WELDED PIPE CAPS. LINE WILL TERMINATE IN THE SHIELD UNDERGROUND WASTE FEED TRENCH AND IN THE SHIELDED PIPE RACK ADJACENT TO THE SOLIDS ROUTING VALVE.
17. FINAL CANISTER FILLING TAGS & DCS INTERFACE TO BE DETERMINED AFTER TESTING AND VENDOR SELECTION. (APPLIES TO PKG V05 & PART OF P24)
18. PRESSURE FILLING TUBE DRIVE SYSTEM.
19. PRESSURE FILLING PLUM REEL ENCLOSURE.
20. CHANGED INSTRUMENT AND VALVE TAG NUMBERS PER MCP-3785 AND EQUIPMENT TAG NUMBERS PER DCN-IWTU-115.
21. 3/16" CUSTOM SCREEN.
22. LOCATE BY WINDOW.
23. INSIDE SAMPLE CELL.
24. DELETED.
25. DELETED.
26. N2 PURGE AS CLOSE TO TOP OF 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 1

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		
CIVIL	—	—	NUCLEAR	—	—
ELECTRICAL			PIPING		
ENVIRON.	—	—	PROCESS		
GEN. ARRANG.			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	RLH	

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

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

SCALE: NONE	PUR.NO. 10/10/06	PROJECT NO. 28276	
DRAWN: DRW	DATE 02/01/06		
DESIGNED: DRW	DATE 10/12/06	WBS: P.1.04.03.04	
CHECKED: SK	DATE 10/12/06	SYSTEM:	QUALITY LEVEL: 3
VERIFIED:	DATE	DRAWING NUMBER 632787	REV 0
APPROVED:	DATE		
CAD FILE NAME: 632787.pid		INDEX CODE NUMBER: AREA 200, TYPE 1696, CL 24, DRCD 923	SHEET P-38

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

$WG1$DESIGN_FILE_PATH_AND_NAME_EXTENSION$
$WG1$PLOT_DATE_AND_TIME$