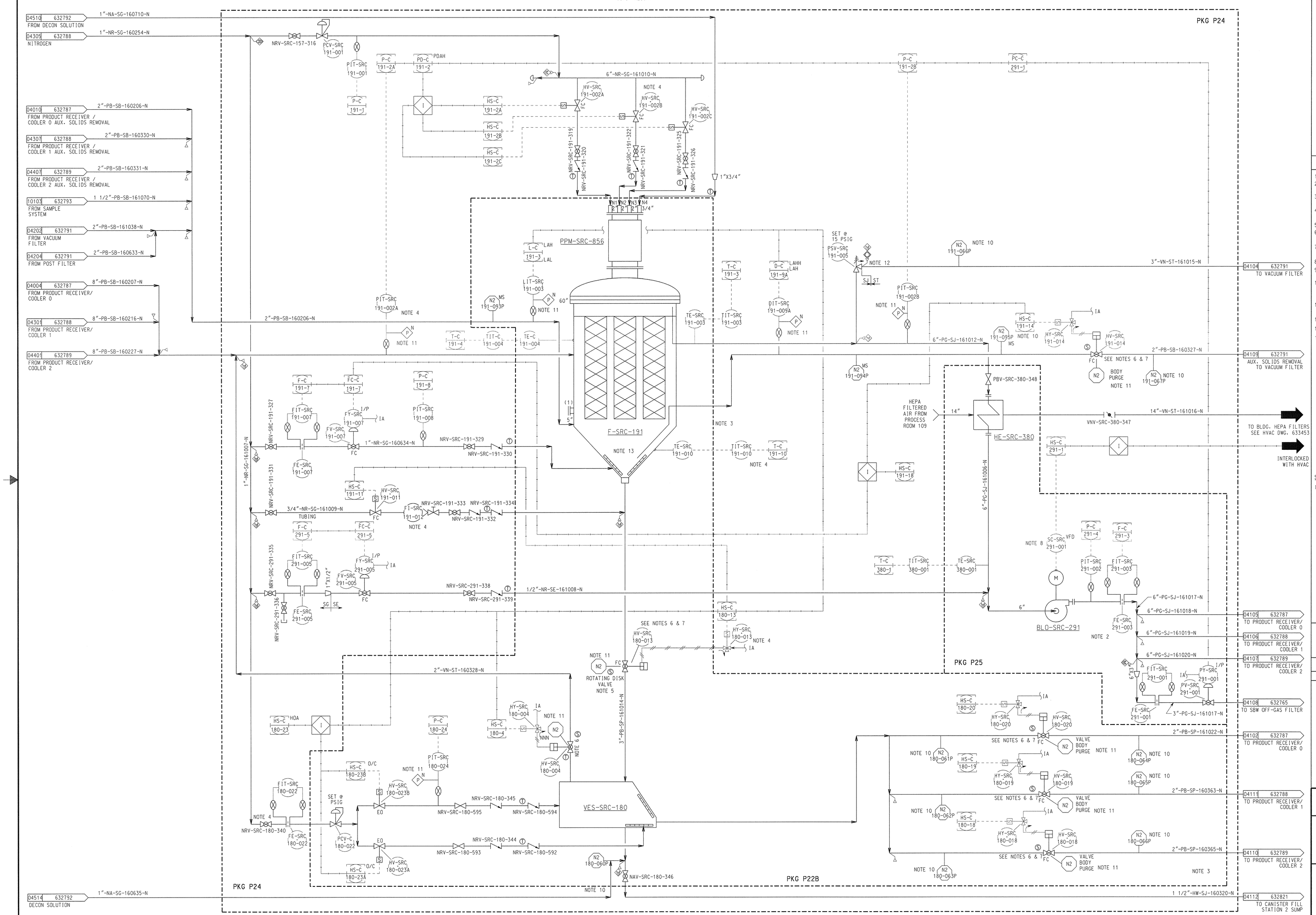
632790



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

NOTES

1. DELETED
2. DENOTES EQUIPMENT ON PRODUCT RECEIVER BLOWER SKID. (SKID # P-25)
3. DENOTES EQUIPMENT ON PRODUCT RECEIVER SKID B. (SKID # P-22B)
4. DENOTES VALVE & INSTRUMENTS ON NON-RAD VALVE/INSTRUMENT RACK. (SKID # P-24)
5. REMOTELY REMOVABLE.
6. DENOTES VALVES HAVING POSITION SWITCHES SHOWN IN "TYPICAL POSITION SWITCH" SKETCH. SEE 632758.
7. P&ID INTENT IS NOT TO SHOW ALL POSSIBLE DCS LOGIC/ALARM SUCH AS ZA ALARMS.
8. SEE TYPICAL MOTOR DETAIL ON DWG 632758.
9. THREE BLIND FLANGES TO ACCEPT DECON LINES TO CLEAN VESSEL.
10. (N2) SEE DETAILS IN DWG. 632758.
11. (N2 NNN) AND (P N) SEE DETAILS IN DWG. 632758.
12. SEE TYPICAL PRESSURE RELIEF VALVE ON DWG. 632758.
13. FLUIDIZING MEMBRANE.
14. CHANGED INSTRUMENT AND VALVE TAG NUMBERS PER MCP-3785 AND EQUIPMENT TAG NUMBERS PER DCN-IWTU-115.
15. DELETED.

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 COOLING

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		10/13/06	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	RLH	

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

SCALE: NONE	ACT DATE 10/10/06	PROJECT NO. 28276	
DRAWN: DRW	DATE 08/24/02	WBS: P.1.04.03.04	
DESIGNED: DOK	DATE 10/12/06	SYSTEM:	QUALITY LEVEL: 4
CHECKED:	DATE 10/12/06	DRAWING NUMBER 632790	REV 0
VERIFIED:	DATE 10/12/06		
APPROVED:	DATE		
CAD FILE NAME: 632790.pid		INDEX CODE NUMBER: AREA 200, TYPE 1936, CL 24, ORIG 923	SHEET P-41

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$