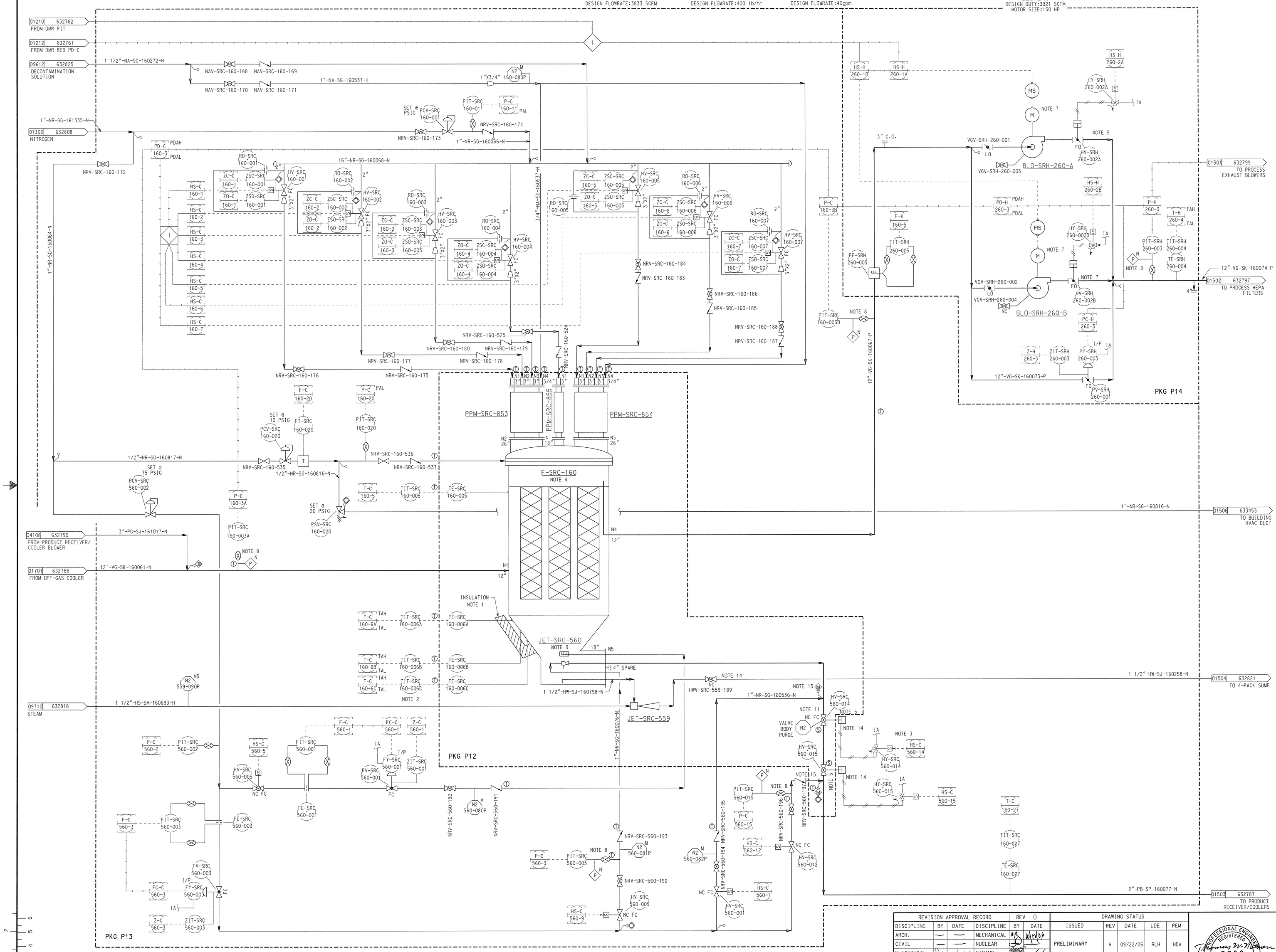
632765



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

NOTES

1. F-SRC-160 TO BE INSULATED 4" ON SIDES AND 6" ON BOTTOM CONE.
2. THE EQUIPMENT NOT LOCATED ON P-12 OR P-14 IS LOCATED ON THE SBW OFF-GAS FILTER NON-RAD VALVE AND INSTRUMENT SKID (SKID # P-13).
3. SOLENOID VALVES AND I/P ARE LOCATED OUTSIDE SHIELDED AREA W/ PNEUMATIC TUBING INTO CELL.
4. DENOTES REMOTELY REMOVABLE. (FILTER ELEMENTS ONLY)
5. DENOTES VALVES HAVING POSITION SWITCHES SHOWN IN "TYPICAL POSITION SWITCH" SKETCH. SEE 632758.
6. P&ID INTENT IS NOT TO SHOW ALL POSSIBLE DCS LOGIC OR ALARMS (e.g. ZA). CONTROL LOOPS AND SAFETY INTERLOCKS AND OTHER IMPORTANT INTERLOCKS WILL BE SHOWN.
7. SEE DRAWING 632758 FOR TYPICAL MOTOR STARTER INSTRUMENTATION.
8. DELETED.
9. FLUIDIZATION MEMBRANE (REMOVABLE).
10. DELETED.
11. (N2) SEE DETAILS ON 632758.
12. DELETED.
13. CHANGED INSTRUMENT AND VALVE TAG NUMBERS PER MCP-3785 AND EQUIPMENT TAG NUMBERS PER DCN-IWTU-115.
14. HANDLE OR ACTUATOR PENETRATES CELL WALL.
15. PURGE CONNECTION LOCATED AT BLOCK FITTING.

SAFETY SIGNIFICANT ITEMS

1. BLO-SRH-260A/B (FOR CONFINEMENT ONLY, NOT FOR OPERABILITY)
2. ALL PIPING, VALVES AND INSTRUMENTATION EXITING OFF-GAS FILTER, DOWNSTREAM OF CELL PENETRATION.

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REFERENCE DRAWINGS

DRAWING NO.	DRAWING TITLE

IDAHO CLEANUP PROJECT INTEGRATED WASTE TREATMENT UNIT

PIPING & INSTRUMENT DIAGRAM SBW OFF-GAS

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		10/13/06	PIPING		10/12/06
ENVIRON.	—	—	PROCESS	RLH	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	H	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

SCALE: NONE	ASE DATE 10/11/06	PROJECT NO. 28276	
DRAWN: CRW	DATE 05/04/06	WBS: P.1.04.03.02	
DESIGNED:	DATE 10/11/06	SYSTEM:	QUALITY LEVEL: 2
CHECKED:	DATE 10/11/06	DRAWING NUMBER 632765	REV 0
VERIFIED:	DATE 10/12/06		
APPROVED:	DATE		
CAD FILE NAME: 632765.pid		INDEX CODE NUMBER: AREA 200, TYPE 1696, SEQ. 24, ORIG. 923	SHEET P-16

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

WGIDESIGN_FILE_PATH_AND_NAME_EXTENSIONS$
WGIPLOT_DATE_AND_TIME$