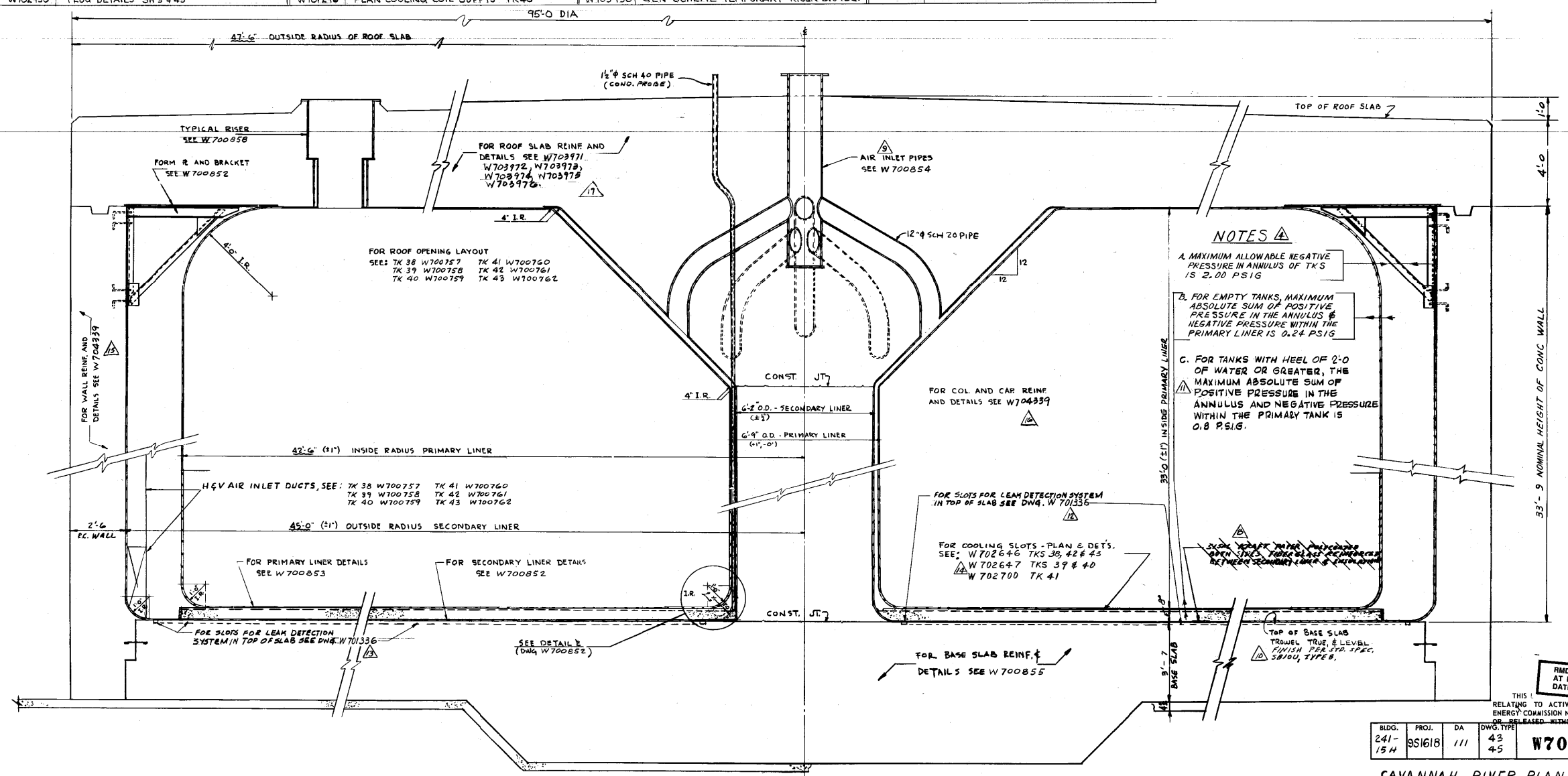
STRUCTURAL DRAWING INDEX

W162690	TANK BOTTOM LOWERING FRAME	W703971	TOP SLAB REINF TANK 38	W701552	TANK BOTTOM LOWERING FRAME SH 4	W704426	DIMENSIONAL RECORD AS BLT TK 38
W162691	TANK BOTTOM LOWERING FRAME	W703972	TOP SLAB REINF TANK 39	W702052	PLAN COOLING COIL GUIDES TK 39	W704781	DIMENSIONAL RECORD AS BLT TK 39
W700757	TOP SLAB PL & RISERS TK 38	W703973	TOP SLAB REINF TANK 40	W702053	PLAN COOLING COIL SUPPTS TK39	W704782	DIMENSIONAL RECORD AS BLT TK 40
W700758	TOP SLAB PL & RISERS TK39	W703974	TOP SLAB REINF TANK 41	W702056	PLAN COOLING COIL SUPPTS TK 41	W704783	DIMENSIONAL RECORD AS BLT TK 41
W700759	TOP SLAB PL & RISERS TK 40	W703975	TOP SLAB REINF TANK 42	W702057	PLAN COOLING COIL GUIDES TK 41	W704784	DIMENSIONAL RECORD AS BLT TK 42
W700760	TOP SLAB PL & RISERS TK41	W703976	TOP SLAB REINF TANK 43	W702125	PLAN COOLING COIL SUPPTS TK 42	W704785	DIMENSIONAL RECORD AS BLT TK 43
W700761	TOP SLAB PL & RISERS TK42	W704839	TANK WALL & COL SECS & DETS	W702141	PLAN COOLING COIL GUIDES TK 42	W705796	HEADER PENETRATION LINER TK 38
W700762	TOP SLAB PL & RISERS TK43	W704861	RISER & PLUG DETAILS SH 2	W702231	PLAN COOLING COIL GUIDES TK 43	W705797	HEADER PENETRATION LINER TK 39
14 W700855	BASE SLAB REINFORCING	W704862	RISER & PLUG DETAILS SH 4	W702232	PLAN COOLING COIL SUPPTS TK 43	W706412	TANK LINER PENETRATION TK 40
W700856	GENERAL ARRANGEMENT	W704905	TOP SLAB REINFORCING DETAILS	W702646	COOLING SLOTS TANKS 38, 42, & 43	W706431	HEADER PENETRATION LINER TK 42
W709968	TANK BOTTOM LOWER FRAME SH 1	W700852	SECONDARY LINER PLANS & DETS.	W702647	COOLING SLOTS PLAN & DETS. TANKS 39 & 40	W706525	TANK LINER PENETRATION TK 41
W701336	LEAK DETECTION SYSTEM	W700853	PRIMARY LINER PLANS & DETAILS	W702663	TOP PLAN MISC STL DETS TK 38	W706526	TANK LINER PENETRATION TK 43
W702534	RISER & PLUG DETAILS SH 1	W700854	AIR INLET MANIFOLD	W702664	TOP PLAN MISC STL DETS TK 39		
W702717	TOP SLAB PLAN & DETS. TANK 38	W700857	LINER PLATE ATTACHMENTS SH 1	W702665	TOP PLAN MISC STL DETS TK 40		
W702718	TOP SLAB PLAN & DETS. TANK 39	W700858	LINER PLATE ATTACHMENTS SH 2	W702666	TOP PLAN MISC STL DETS TK 41		
W702719	TOP SLAB PLAN & DETS. TANK 40	W700969	TANK BOTTOM LOWER FRAME SH 2	W702667	TOP PLAN MISC STL DETS TK 42		
W702891	TOP SLAB PLAN & DETS. TANK 41	W701261	PLAN COOLING COIL GUIDES TK 38	W702668	TOP PLAN MISC STL DETS TK 43		
W702892	TOP SLAB PLAN & DETS. TANK 42	W701262	PLAN COOLING COIL SUPPTS TK 38	W702700	COOLING SLOTS PL & DETS TK 41		
W702893	TOP SLAB PLAN & DETS. TANK 43	W701295	PLAN COOLING COIL GUIDES TK 40	W702706	LINER PLATE ATTACHMENTS SH 3		
W702950	PLUG DETAILS SH 3 & 4 5	W701296	PLAN COOLING COIL SUPPTS TK 40	W703930	GEN SCHEME TEMPORARY RISER BRACG.		

➔ ANALYZE FOR **SAFETY, ECOLOGY AND MINIMUM ESSENTIAL DESIGN** ←

NOTES

1. FOR STEEL TANK LINER SPECIFICATIONS & GENERAL CONSTRUCTION PROCEDURES SEE SPEC No. 6993.
2. STEEL PLATES FOR PRIMARY LINERS ARE TO BE ASTM A537, CLASS 1. MIN TENSILE STRENGTH 70,000 PSI. DESIGN WORKING STRESS FOR INTERNAL HYDROSTATIC PRESSURE 17,500 PSI.
3. STEEL PLATES FOR THE SECONDARY LINER ARE TO BE ASTM A516, GRADE 70 AS ROLLED. MIN TENSILE STRENGTH 70,000 PSI.
4. THE PRIMARY LINER IS TO CONTAIN WASTE LIQUID WITH A SPECIFIC GRAVITY OF 1.8 TO A DEPTH OF 31'-0. THE SECONDARY LINER IS TO SERVE AS A FORM FOR THE CONCRETE TANK AND AS A CONTAINER FOR ANY LEAKAGE FROM THE PRIMARY LINER.
5. ALL WELDING ON TANK BELOW THE PRIMARY ROOF PLATES SHALL BE COMPLETE BEFORE STRESS RELIEF. PREFERABLY, ROOF RISERS AND ROOF ATTACHMENTS WILL BE INSTALLED BEFORE STRESS RELIEF.
6. TEMPORARY ROOF SHORING SHALL REMAIN IN PLACE A MINIMUM OF 21 DAYS AFTER COMPLETION OF PLACING ROOF SLAB.



TYPICAL CROSS-SECTION

SCALE: ½"=1'-0

7 THIS DWG SUPERSEDES BID DWG. W700324A
REVISIONS 1 THRU 6 SHOW DESIGN CHANGES MADE FROM BIDDING TO PRELIMINARY ISSUE OF THIS DWG.
REVISIONS 17 TO 7 MADE PRIOR TO LCR. RELEASE.

Reproduced From W700324

RMD REVIEWED AT REV. 19 DATE 7/19/79

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BLDG.	PROJ.	DA	DWG. TYPE		LATEST
241-15H	951618	111	43 45	W700856	19 REVISION

SAVANNAH RIVER PLANT
BLDG. 241-15H TANKS 38 THRU 43
ADDITIONAL WASTE STORAGE TANKS
GENERAL ARRANGEMENT
CONCRETE & STEEL

ENGINEERING DOC. CONTROL — SRS 00112101

PROJ. NO	REVISIONS	REVISED BY DATE	CHECKED BY DATE	APPROVED BY DATE
951618	19 REVISED NOTE 5			
951618	18 ADD STRUCTURAL DWG. INDEX			
951618	17 ADD NOTES ABOUT CONST. BID			
951618	16 REM'D. 1SIAL KRAFT PAPER			
951618	15 REM PIPE SIZE			
951618	14 ADDED FINISH SPEC.			
951618	13 ADDED NOTE			
951618	12 REMOVE HOLDS			

REFERENCE DRAWINGS

W700757	TOP SLAB PL. TK. 38	W700855	BASE SLAB REINF. SHEET
W700758	TOP SLAB PL. TK. 39	W700858	LINER PLATE ATTACH. STL.
W700759	TOP SLAB PL. TK. 40	W700854	AIR INLET MANIFOLD STL.
W700760	TOP SLAB PL. TK. 41	W701336	LD SYS
W700761	TOP SLAB PL. TK. 42	W702646	COOLING SLOTS
W700762	TOP SLAB PL. TK. 43	W702647	
W700852	SECONDARY LINER STL.	W702700	
W700853	PRIMARY LINER STL.	W704939	WALL STUTS

REFERENCE STANDARDS: SP10U

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951618
PROJECT
SCALE 1/8"=1'-0
DRAWN J. WARD
CHECKED W. Eccleston
APPROVED-INITIAL CONSTR. RELEASE
APPROVED-FINAL

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WILMINGTON, DELAWARE
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W700856

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