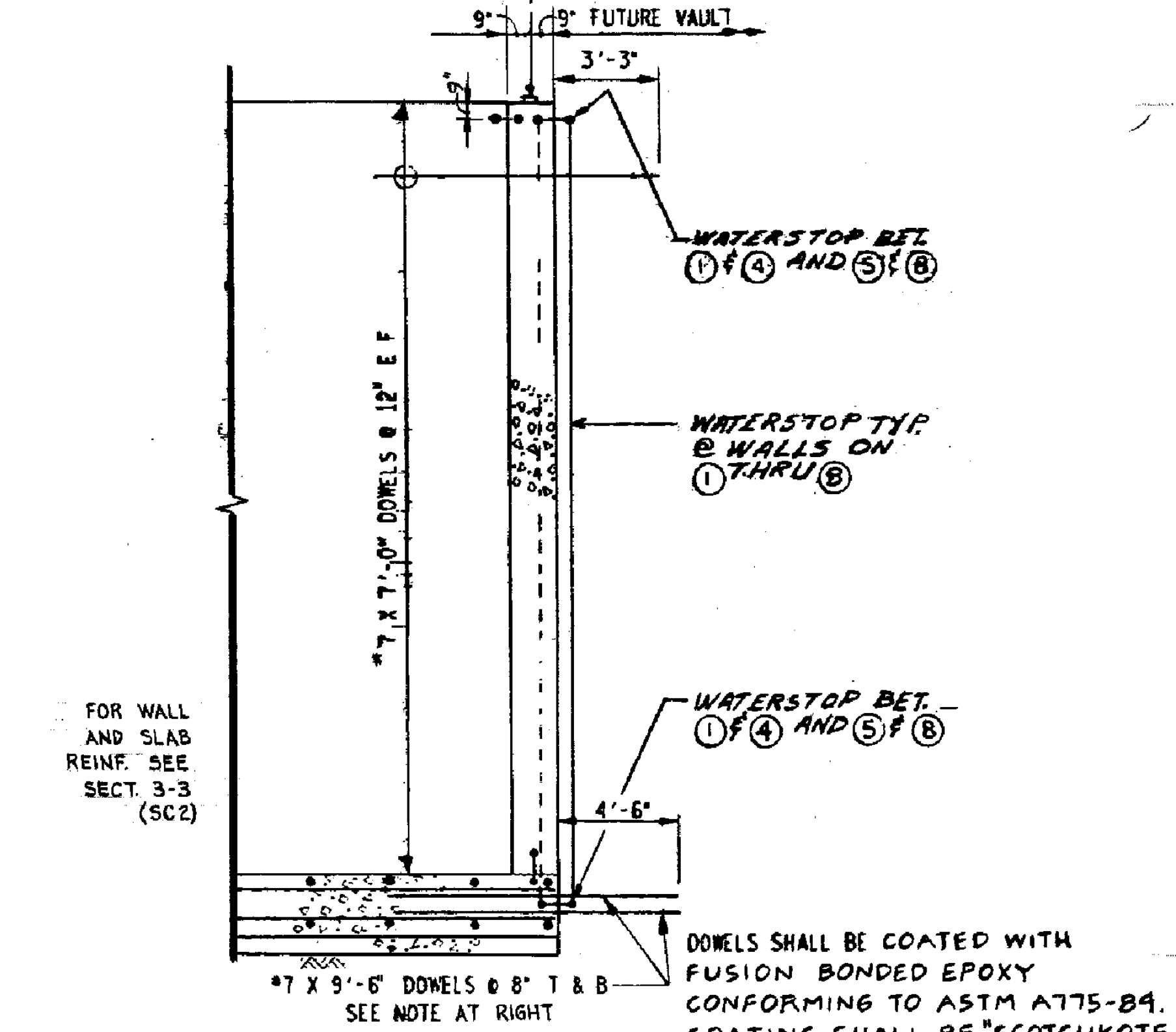
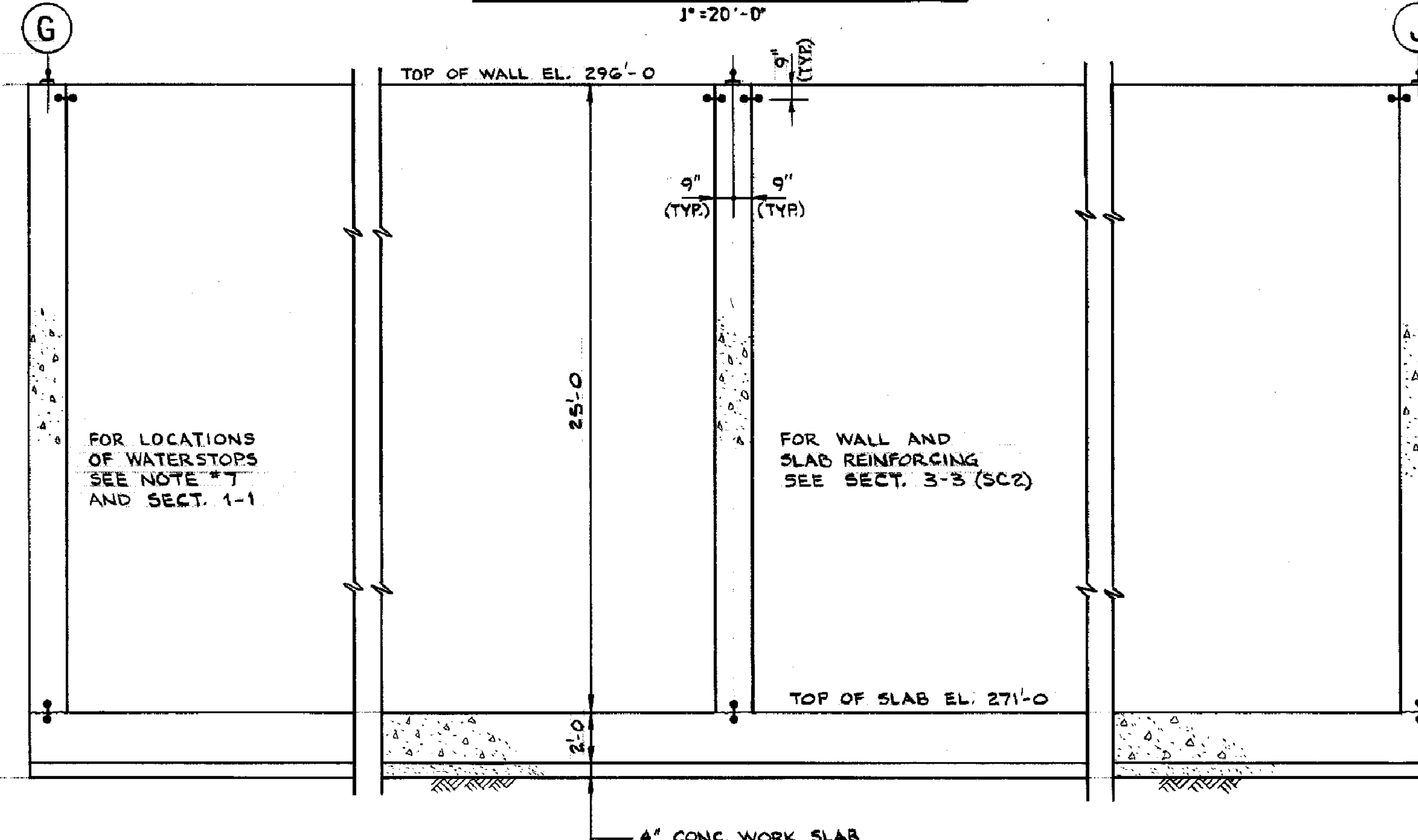


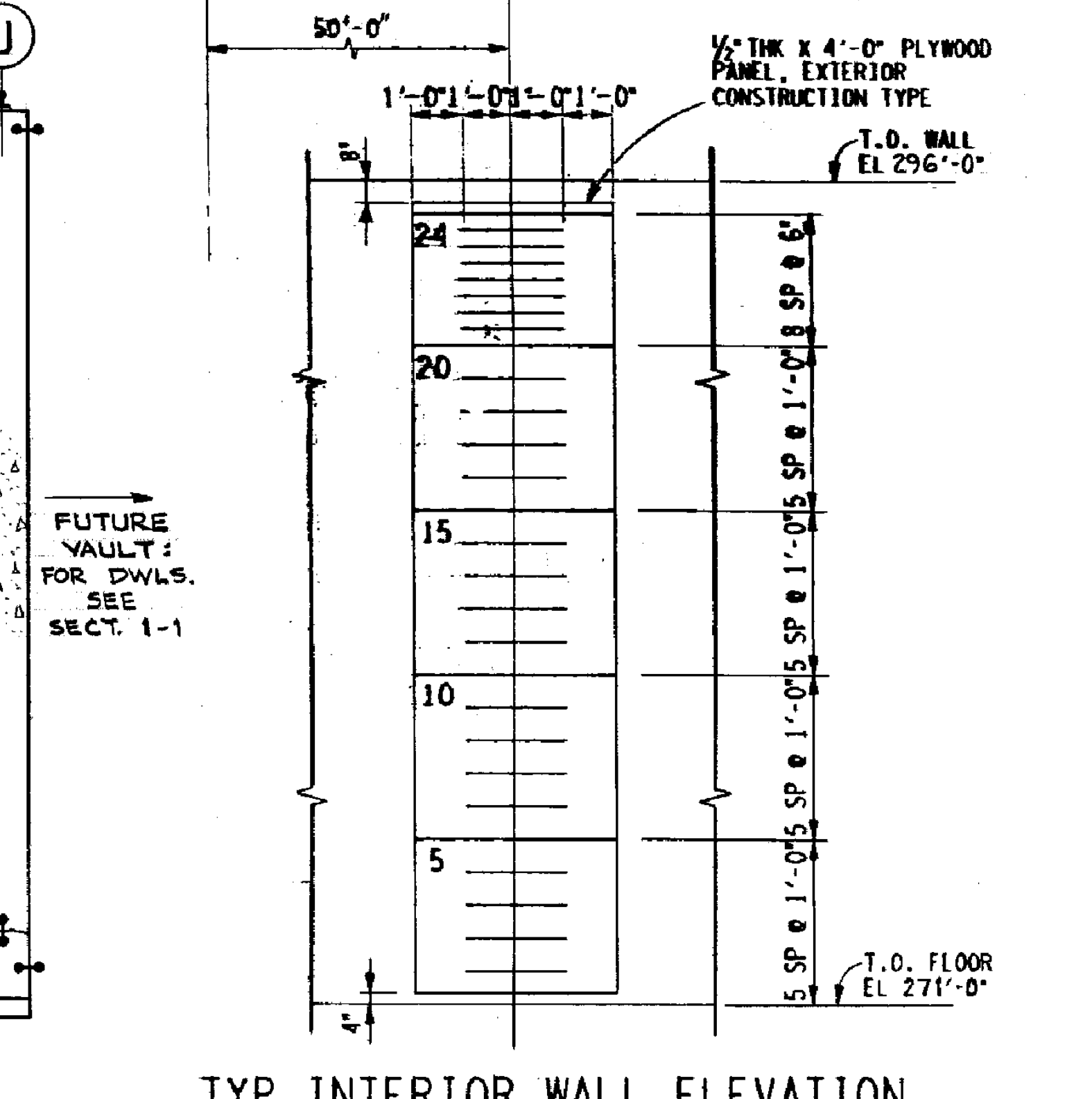
FOUNDATION AND FLOOR PLAN



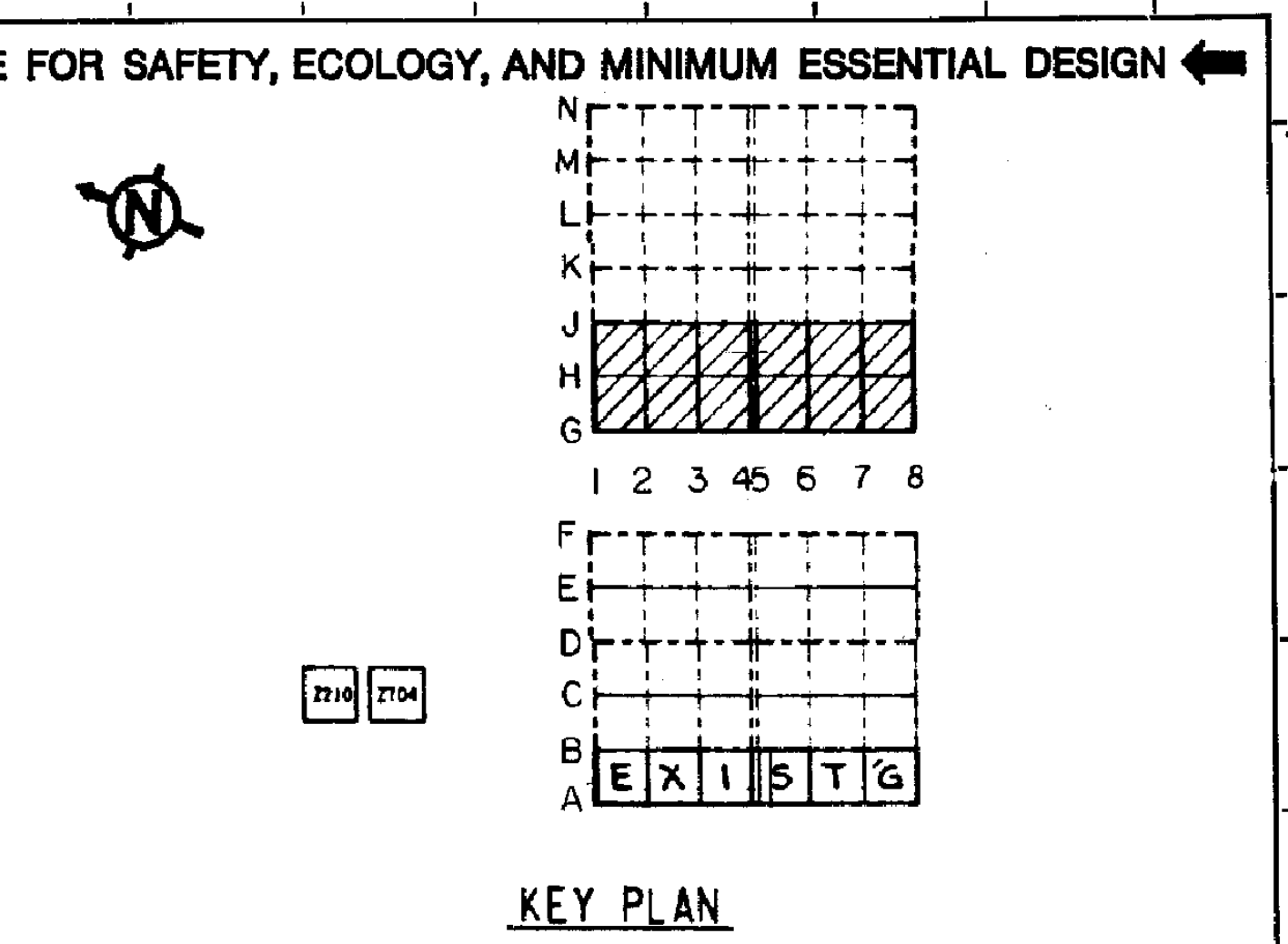
SECTION 1-1



SECTION 2-2



TYP. INTERIOR WALL ELEVATION SHOWING ELEVATION MARKS



- NOTES**
- FOR GENERAL NOTES, SEE DRAWING SC3 (W828999).
  - FOUNDATION DESIGN IS BASED ON 6.0 KSF ALLOWABLE SOIL BEARING PRESSURE.
  - THE WALLS ARE DESIGNED FOR GRAVITY LOADS PLUS HYDROSTATIC PRESSURE DUE TO 5 FT HIGH LIQUID SALTSTONE.
  - CONCRETE SHALL BE FURNISHED BY CONTRACTOR AND SHALL BE AS FOLLOWS:  
WORK SLAB: CLASS "A" ( $f'_c = 2000 \text{ PSI}$ )  
FOUNDATION AND WALLS: CLASS "Z2" ( $f'_c = 4000 \text{ PSI}$ )  
PER SPECIFICATION NO. 9304
  - CLEAR COVER FOR REINFORCING SHALL BE AS FOLLOWS:  
FOUNDATION: 3"  
WALLS: 3"
  - CONCRETE SHALL BE WATER CURED FOR A MINIMUM OF 7 DAYS IN ACCORDANCE WITH SPECIFICATION 9304 - DIVISION B.
  - WATERSTOPS SHALL BE PROVIDED AT ALL CONSTRUCTION JOINTS.
  - CONCRETE SHALL HAVE FORM FINISH PER SPEC. 9304.
  - THE PIPES SHALL BE PLUGGED WITH CONCRETE BEFORE SALTSTONE IS POURED (BY CONTRACTOR).
  - CLASS "Z2" CONCRETE SHALL NOT BE PUMPED.
  - WALL CONSTRUCTION SHALL NOT BEGIN UNTIL FOUNDATION CONCRETE HAS REACHED AT LEAST 75% OF THE SPECIFIED STRENGTH.
  - ELEVATION MARKS SHALL BE PAINTED OVER PLYWOOD PANELS AS FOLLOWS:  
ALL PLYWOOD SURFACES AND EDGES SHALL BE PAINTED IN WHITE COLOR AND NUMBERS AND STRIPS IN BLACK COLOR. STRIPS SHALL BE 2" HIGH AND NUMBERS 8" HIGH X 1" THICK. PAINT SHALL BE DUPONT 310. EXTERIOR FLAT ACRYLIC OR APPROVED EQUAL. DRY FILM THICKNESS FOR EACH COAT (WHITE AND BLACK) SHALL BE 2 MILS MINIMUM. PLYWOOD PANELS SHALL BE FASTENED TO CONCRETE WALL WITH 1/2" X 2" "RAWL LOK/BOLT" STEEL FASTENERS, AS MANUFACTURED BY RAWLPLUG CO., INC. OR EQUAL. THE SPACING OF FASTENERS SHALL NOT EXCEED 3'-0". THE PLYWOOD PANELS SHALL BE ERECTED ONLY AFTER ALL CONCRETE REPAIRS ARE COMPLETED.

NOTES CONTINUED ON SHEET 2

C	CC	Z	00031	3
REVISION				LATEST

	BECHTEL NATIONAL INC.		JOB NO.
	SAN FRANCISCO		13239

THIS DOCUMENT CONTAINS INFORMATION RELATING TO ACTIVITIES OF THE U.S. DEPARTMENT OF ENERGY. NOT TO BE REPRODUCED OR RELEASED WITHOUT PRIOR APPROVAL.

M/F	BLDG.	PROJ.	DA	TYPE	W 828992	LAST REV.
451Z	952295	2451	44			3

SAVANNAH RIVER PLANT  
DWPf - 200Z AREA  
SALTSTONE VAULT 4  
PLAN, SECTIONS AND DETAILS  
CONCRETE

**SC1**

PROJ. NO.	REVISION	RVSD	CHKD	APPD	DATE	STANDARDS	REFERENCE DRAWINGS
952295	1	ISSUED TO CONTRACTORS FOR BID PACKAGE	JVA	10-11-87	10-11-87		W830744(K1) DWG. INDEX (W830709 (S3)) CDR FRMG. PLAN
952295	2	ISSUED FOR TRANSFER (IFT)	DO	10-11-87	10-11-87		W828993 (SC2) RECTS. & DETS. (W828994 (SC5)) RAIL PLAN & DET.
952295	3	REVISED & ISSUED FOR TCE	DO	10-11-87	10-11-87		W828999 (SC3) GEN. NOTES & DET. (W830745 (S5)) GEN. NOTES & DET.
							W829215 (C1) CIVIL LAYOUT (W830747 (S5)) LWR. & CAGE DET.
							W829586 (C2) GRDG. & DRAIN. (W831346 (SC4)) PIPE SUPPLY & PLS.

PROJ.	REV. NO.	REVISION	PRP'D	LEAD ENG.	CHK'D/VERIFIED	APR'D	APR'D
C-CC-Z-00031							
UNITED STATES DEPARTMENT OF ENERGY SAVANNAH RIVER SITE							

THIS DRAWING HAS BEEN FURNISHED BY E. I. DU PONT DE NEMOURS & CO. THE INFORMATION AND KNOW-HOW HEREON MAY NOT BE USED NOR THE DRAWING REPRODUCED WITHOUT THE WRITTEN PERMISSION OF DU PONT. ALL REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING VENDOR'S SHOP DRAWINGS, SHALL BEAR OR REFER TO THIS STAMP.

W 828992

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

V/N

"ON SHIMMED JOBS"

3

VAULT 4 CELLS D, E, F, J, K AND L NONSTRUCTURAL CRACK REPAIR

1. PROFILE THE CONCRETE TO AN EQUIVALENT OF MEDIUM GRIT SANDPAPER.

2. MECHANICALLY CLEAN THE VERTICAL CONSTRUCTION JOINTS. THIS SHALL BE DONE FROM THE TOP OF THE XYPEX APPLICATION ZONE FOR THE FULL HEIGHT OF THE JOINT. A CLEAN DEBRIS FREE SURFACE IS THE GOAL. PLACE SIKAFLEX 1A IN THE JOINT AND ENSURE THAT THE SURFACE BEAD IS 1/8" SPANNING THE OPENING AND IS AT LEAST 1/4" CLEAR OF THE OPENING ON BOTH SIDES.

3. PATCH THE VERTICAL AND HORIZONTAL JOINTS IN EXTERIOR VAULT 4 WALL USING PATCH'N PLUG. PROVIDE A SMOOTH SURFACE. USE SMALL BATCHES. SET UP TIME IS 9 MINUTES. CURE FOR MINIMUM 30 MINUTES. ON THE EAST WALL OF CELL J, K & L ALSO PATCH THE VERTICAL CRACKS WITH PATCH'N PLUG.

4. APPLY A ONE INCH WIDE SLURRY COAT OF XYPEX CONCENTRATE AT A RATE OF 2.0 LBS PER SQUARE YARD (3 PARTS OF POWDER TO 1 PART OF WATER) THE LENGTH OF THE VERTICAL CRACKS AND JOINTS IN THE TARGET ZONE AND THE ENTIRE LENGTH OF THE HORIZONTAL JOINT. LET SET FOR A MINIMUM OF 2 HOURS. THIS DOES NOT APPLY TO VERTICAL OF HORIZONTAL CONSTRUCTION JOINTS AT CELLS J, K, & L NOR TO THE VERTICAL CRACKS ON THE EAST WALLS OF CELLS J, K & L.

5. APPLY A MINIMUM 6" WIDE STRIP OF FCM 40 PRIMER THE LENGTH OF THE CRACK AND AT THE WALL SLAB JOINT. THE MATERIAL SHOULD BE CENTERED ABOUT THE CRACK (MINIMUM OF 3" ON EITHER SIDE). WAIT MINIMUM 60 MINUTES PRIOR TO APPLICATION IN STEP 6.

6. APPLY A MINIMUM 6" WIDE STRIP OF XYPEX FCM 40 THE LENGTH OF THE CRACK AND AT THE WALL SLAB JOINT OVER THE XYPEX CONCENTRATE TO A THICKNESS OF 1/8" BUT CONVEX FOLLOWING THE CENTERLINE OF THE CRACK AND WALL/SLAB JOINT. ALLOW THE FIRST COAT TO DRY FOR MINIMUM 6 HOURS.

7. APPLY A SECOND COAT OF FCM 40 AT RIGHT ANGLES TO THE FIRST COAT TO A TOTAL MEMBRANE THICKNESS OF 1/8" BUT CONVEX TO THE CENTERLINE OF THE CRACK AND WALL/SLAB JOINT. ALLOW TO CURE MINIMUM 6 HOURS.

8. APPLY THE FIRST COAT OF XYPEX CONCENTRATE TO THE ENTIRE PREPARED SURFACE TO BE REPAIRED AT A RATE OF 1.5 LBS PER SQUARE YARD. LET SET AND MOIST CURE WITH WATER TWO TIMES A DAY FOR TWO DAYS. SECOND COAT OF XYPEX CONCENTRATE MAY BE APPLIED OVER THE FIRST COAT OF XYPEX AFTER MINIMUM CURE OF 4 HOURS AND DRY TO TOUCH.

9. AFTER LIGHTLY MOISTENING AREA. APPLY THE SECOND COAT OF XYPEX CONCENTRATE TO THE ENTIRE PREPARED SURFACE TO BE REPAIRED AT A RATE OF 1.25 LBS PER SQUARE YARD. LET SET AND MOIST CURE WITH WATER TWO TIMES A DAY FOR TWO DAYS.

10. PLACE A BEAD OF SIKAFLEX 1A ACROSS THE TOP OF THE XYPEX APPLICATION. THE BEAD SHALL BE PLACED AT THE 60" HEIGHT INTERFACE POINT. SIKAFLEX 1A SHOULD BE APPLIED TO ALL THROUGH WALL PENETRATIONS AND METAL ATTACHMENTS THAT PENETRATE THE WALL IN THE PREP AREA. A BEAD OF SIKAFLEX 1A SHALL BE PLACED AROUND THE PENETRATION AND IN THE SLEEVE IF ONE EXISTS. THE BEAD AT THE CONCRETE SURFACE SHOULD BE TOOLED TO APPROXIMATELY 1/2" TO ENSURE BONDING. ALLOW TO CURE FOR A MINIMUM OF 4 HOURS AT NORMAL TEMPERATURES (73°F, 50% HUMIDITY) AND TACK FREE.

A. THE FCM 40 SHOULD BE APPLIED WITH THE AMBIENT TEMPERATURE ABOVE 50°F AND THE XYPEX CONCENTRATE SHOULD BE APPLIED WITH THE AMBIENT TEMPERATURE ABOVE 40°F.

B. ALL PRODUCTS SHOULD BE INSTALLED IN ADDITION TO THE AFOREMENTIONED AS PER MANUFACTURER'S DATA SHEETS.

C. ALL AREAS DETERMINED TO REQUIRE REPAIR DUE TO BONDING ISSUES OR DAMAGE SHALL BE REPAIRED ACCORDING TO THE DIRECTION OF ENGINEERING.

D. WHEN INTERFERENCES ARE ENCOUNTERED ON A CELL WALL AND THE WALL HAS NO THROUGH WALL CRACKING AT THAT LOCATION, THE XYPEX COATING HEIGHT MAY BE REDUCED. THE MINIMUM HEIGHT SHALL BE 24" ABOVE THE HORIZONTAL CONSTRUCTION JOINT. THE WALL INSPECTION AND REDUCTION IN XYPEX HEIGHT SHALL BE APPROVED BY ENGINEERING.

11. THE PROCESS FOR APPLYING XYPEX AT THE THROUGH WALL PENETRATIONS WILL BE AS FOLLOWS BELOW. AT EACH PENETRATION THE GROUT AND CONCRETE SURFACE SHOULD CONTINUE TO BE ROUGHENED PER STEP 1. INSTRUCTIONS "A" AND "B" BELOW APPLY ONLY TO CELLS J, K & L.

A. PENETRATIONS WITHOUT SLEEVES: THE OUTER WALL OF THE PENETRATION SHALL BE SLIGHTLY ROUGHENED TO ASSIST IN FORMING A BOND. A MIXTURE OF PATCH'N PLUG AND XYCRYLIC SHALL BE PLACED TO FORM A FEATHERED COLLAR AROUND THE PENETRATION. THE MINIMUM THICKNESS AT THE INTERIOR OF THE COLLAR WILL BE 3/8". THE FEATHERING SHOULD EXTEND A MINIMUM OF 3" BEYOND THE OUTER EDGES OF THE PENETRATING ITEM. THE XYCRYLIC SHALL BE MIXED WITH THE PATCH'N PLUG ACCORDING TO MANUFACTURER'S INSTRUCTIONS. NOTE: IT IS IMPERATIVE TO WORK THE MIXTURE AGAINST THE PENETRATION TO FORM A SEAL. ONCE CURED (30 MINUTES), FCM PRIMER AND FCM 40 SHALL BE PLACED OVER THE PATCH'N PLUG COLLAR AND BEADED AGAINST THE PENETRATING ITEM. THE OUTSIDE SHOULD BE FEATHERED A MINIMUM OF 1" BEYOND THE PATCH'N PLUG COLLAR. ALL PREVIOUS REQUIREMENTS APPLY TO THE FCM 40 APPLICATION WITH THE EXCEPTION OF THE SLURRY COAT. A SLURRY COAT SHALL NOT BE APPLIED TO THE PATCH'N PLUG SURFACE. ADJACENT CORE HOLES LEFT EMPTY SHALL BE FILLED WITH THE PATCH'N PLUG XYCRYLIC MIXTURE AND COATED WITH FCM 40. STEPS 8-10 STILL APPLY.

B. PENETRATIONS WITH SLEEVES: IF A SLEEVE IS PRESENT AT THE PENETRATION THE SLEEVE SHALL BE FILLED WITH PATCH'N PLUG XYCRYLIC MIXTURE TO THE OUTER EXTENT OF THE SLEEVE. THE OUTER AREA OF THE SLEEVE SHALL BE COMPLETED AS DESCRIBED ABOVE. THE PATCH'N PLUG IN SLEEVE INNER AREA SHALL THEN BE COATED WITH FCM 40 USING THE SAME STEPS GIVEN IN (A) ABOVE. STEPS 8-10 STILL APPLY.

2

VAULT 4 CELL B AND H NONSTRUCTURAL CRACK REPAIR

1. SAND BLAST OR MECHANICALLY PROFILE THE CONCRETE TO AN EQUIVALENT OF MEDIUM GRIT SANDPAPER.

2. MAP CRACKS AND DETERMINE XYPEX COATING HEIGHT REDUCTIONS BASED ON INTERFERENCES. NOTE: WHEN INTERFERENCES ARE ENCOUNTERED (I.E. ELECTRICAL BOXES, UNISTRUTS, PIPE SUPPORTS, ETC.) ON A CELL WALL AND THE WALL HAS NO THROUGH WALL CRACKING AT THAT LOCATION, THE XYPEX COATING HEIGHT MAY BE REDUCED. THE WALL INSPECTION AND REDUCTION IN XYPEX HEIGHT SHALL BE APPROVED BY ENGINEERING.

3. PATCH THE VERTICAL AND HORIZONTAL JOINTS (WALL/FLOOR JOINT INCLUDED) FROM 5 FEET MINIMUM ABOVE THE WALL/FLOOR JOINT TO 6 TO 8 INCHES MINIMUM BELOW THE WALL/FLOOR JOINT ON THE EXTERIOR VAULT 4 WALL USING PATCH'N PLUG PER MANUFACTURER'S INSTRUCTIONS. PROVIDE A SMOOTH SURFACE. ALSO PATCH THE VERTICAL CRACKS WITH PATCH'N PLUG. ENSURE A 1/4" MINIMUM THICKNESS OVER THE CRACKS AND JOINTS.

4. AFTER PATCH'N PLUG, APPLY A MINIMUM 6" WIDE STRIP OF FCM 40 PRIMER THE LENGTH OF EACH CRACK AND VERTICAL JOINT STARTING APPROXIMATELY 6 INCHES ABOVE THE BASE MAT JOINT. THE MATERIAL SHOULD BE CENTERED ABOUT THE CRACK (MINIMUM OF 3 INCHES ON EITHER SIDE). WAIT MINIMUM 60 MINUTES PRIOR TO APPLICATION IN STEP 5.

5. APPLY A MINIMUM 6" WIDE STRIP OF XYPEX FCM 40 THE LENGTH OF EACH CRACK AND VERTICAL JOINT TO A THICKNESS OF APPROXIMATELY 1/8" OF AN INCH BUT CONVEX FOLLOWING THE CENTERLINE OF THE CRACK. ALLOW THE FIRST COAT TO DRY FOR MINIMUM 6 HOURS.

6. APPLY A SECOND COAT OF FCM 40 AT RIGHT ANGLES TO THE FIRST COAT TO A TOTAL MEMBRANE THICKNESS OF APPROXIMATELY 1/8" OF AN INCH BUT CONVEX TO THE CENTERLINE OF THE CRACK AND VERTICAL JOINT. ALLOW TO CURE MINIMUM 6 HOURS.

7. PENETRATIONS WITHOUT SLEEVES: THE OUTER WALL OF THE PENETRATION SHALL BE ROUTED OUT TO APPROXIMATELY 1/2" WIDTH AT A MINIMUM 1.5 - 2.0 INCH CUT DEPTH AROUND THE PENETRATION. THOROUGHLY CLEAN OUT AND APPLY APPROXIMATELY A 1/2" BEAD OF ADEKA P201 CAULK AROUND THE PIPE AT THE BASE OF THE ROUTING. CURE PER MANUFACTURER'S INSTRUCTIONS. APPLY PATCH'N PLUG AND FORM A FEATHERED COLLAR AROUND THE PENETRATION. BUILD A PATCH'N PLUG COLLAR AROUND THE PENETRATION TWO INCHES HIGH OR OUT FROM WALL AND FEATHERED OUT TO A 6" RADIUS PER MANUFACTURER'S INSTRUCTIONS. THIS AREA SHOULD THEN BE INCLUDED IN THE MEGA MIX II APPLICATION. THE MEGA MIX APPLICATION DESCRIBED BELOW SHOULD BE EXTENDED 2 TO 2-1/2 INCHES ABOVE THE PIPE AND 12 INCHES MINIMUM ON EITHER SIDE.

8. XYPEX MEGA II APPLICATION: SATURATE THE SUBSTRATE WITH WATER TO A "SATURATED SURFACE DRY CONDITION". ONCE THE AREA HAS BEEN SATURATED WITH WATER, SPRAY THE GAMMA CURE ONTO THE SUBSTRATE. PREPARE AN AREA THAT THE MASON CAN COMPLETE IN A ONE HOUR PERIOD. THE MEGA MIX II SHOULD BE APPLIED A MINIMUM OF 6-8 INCHES BELOW THE HORIZONTAL FOUNDATION JOINT AND MINIMUM OF 12 INCHES ABOVE. MIX AND APPLY XYPEX MEGA MIX II PER MANUFACTURER'S INSTRUCTIONS. THE MEGA MIX II SHOULD BE BUILT UP SO THAT THERE IS A MINIMUM OF 1 1/2 INCHES TO A MAXIMUM OF 2 INCHES OF COVER OVER THE WALL/SLAB JOINT. THE EDGES OF THE MEGA MIX II APPLICATION SHOULD NOT BE FEATHERED. THEY MUST BE SQUARED OFF TO MAINTAIN THE THICKNESS. MEGA MIX II SHALL BE FORMED AT APPROXIMATELY 45 DEGREE ANGLE FOR COLD JOINTS. THE SET TIME FOR CURING WILL BE DETERMINED BY THE FIELD ENGINEER. GAMMA CURE SHALL BE INITIALLY USED IN THE APPLICATION AND CURING PROCESS.

9. ON CELL H THE EXISTING REBAR SHOULD BE CUT WITHIN A 1/2" OF THE WALL. WHERE THE REBAR IS PROTRUDING THE MEGA MIX II SHOULD BE BUILT-UP TO PROVIDE A MINIMUM OF 1 3/4 INCHES OF COVER. THE MEGA MIX II SHOULD EXTEND A MINIMUM OF 2 INCHES BELOW THE BASE OF THE TOP MAT OF REBAR. THE SET TIME FOR CURING WILL BE DETERMINED BY THE FIELD ENGINEER. GAMMA CURE SHALL BE INITIALLY USED IN THE APPLICATION AND CURING PROCESS.

10. APPLY THE FIRST COAT OF XYPEX CONCENTRATE TO THE ENTIRE PREPARED SURFACE FROM 5 FEET MINIMUM ABOVE THE WALL/FLOOR JOINT TO THE TOP OF THE XYPEX MEGA MIX II. THE XYPEX CONCENTRATE IS TO BE APPLIED AT A RATE OF 1.5 POUNDS PER SQUARE YARD.

11. SECOND COAT OF XYPEX CONCENTRATE SHALL BE APPLIED OVER FIRST COAT OF XYPEX WHILE IT IS STILL GREEN. THIS SHALL BE DETERMINED BY THE FIELD ENGINEER. AFTER LIGHTLY MOISTENING AREA, APPLY THE SECOND COAT OF XYPEX CONCENTRATE TO THE ENTIRE PREPARED SURFACE TO BE REPAIRED AT A RATE OF 1.25 POUNDS PER SQUARE YARD. LET SET AND MOIST CURE WITH WATER TWO TO THREE TIMES A DAY FOR TWO DAYS.

12. SIKAFLEX 1A SHOULD BE APPLIED TO ALL THROUGH WALL PENETRATIONS AND METAL ATTACHMENTS THAT PENETRATE THE WALL IN THE PREP AREA. A BEAD OF SIKAFLEX 1A SHALL BE PLACED AROUND THE PENETRATION AND IN THE SLEEVE IF ONE EXISTS. THE BEAD AT THE CONCRETE SURFACE SHOULD BE TOOLED TO APPROXIMATELY 1/2" TO ENSURE BONDING. ALLOW TO CURE FOR A MINIMUM OF 4 HOURS AT NORMAL TEMPERATURES AND TACK FREE.

13. MECHANICALLY CLEAN, UTILIZING A WIRE BRUSH, THE HORIZONTAL CONSTRUCTION JOINTS AT APPROXIMATELY 16" LEVEL MEASURED FROM THE BASE MAT AND AT APPROXIMATELY 18" MEASURED FROM THE TOP OF THE ROOF. ALSO MECHANICALLY CLEAN THE VERTICAL JOINTS FROM THE TOP OF THE XYPEX APPLICATION ZONE FOR THE FULL HEIGHT OF THE JOINT. PLACE SIKAFLEX 1A IN THE JOINT AND ENSURE THAT THE SURFACE BEAD IS 1/8" SPANNING THE OPENING AND IS AT LEAST 1/4" CLEAR OF THE OPENING ON BOTH SIDES.

14. ALL PRODUCTS SHOULD BE INSTALLED IN ADDITION TO THE AFOREMENTIONED AS PER MANUFACTURER'S DATA SHEETS AND INSTRUCTIONS.

15. ALL AREAS DETERMINED TO REQUIRE REPAIR DUE TO BONDING ISSUES OR DAMAGE SHALL BE REPAIRED ACCORDING TO THE DIRECTION OF ENGINEERING.

2

NOTES (CONTINUED FROM SHEET 1)

13. INSTALL MEADOW-PRUF SEAMLESS COATING WITH TOTAL THICKNESS OF 60 MILS (WET) 3'-0" UP FROM BASE ON THE INTERIOR SURFACE OF THE EXTERIOR WALLS OF CELLS B, D, E, F, H, J, K & L; ON THE NORTH AND SOUTH WALLS OF CELLS B & H; AND ON THE NORTH WALL OF CELLS E & K. APPLY MEADOW-PRUF SEAMLESS PRIMER OR EQUAL AS NEEDED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

14. INSTALL ONE HORIZONTAL ROW OF AMERDRAIN TOTAL DRAIN AND ONE HORIZONTAL ROW OF AMERDRAIN 500 (OR ENGINEERING APPROVED EQUAL) ON THE BOTTOM INSIDE PERIMETER OF CELLS B, D, E, F, H, J, K & L TO FORM A SIX FOOT HIGH PERIMETER DRAIN. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

15. INSTALL AMERDRAIN 500 DRAIN SHEET (OR ENGINEERING APPROVED EQUAL) FOR FULL WALL COVERAGE (FROM TOP OF PERIMETER DRAIN TO A HEIGHT OF 24 FEET) ON THE EXTERIOR WALLS OF CELLS B, D, E, F, H, J, K & L; ON THE NORTH AND SOUTH WALLS OF CELLS B & H; AND ON THE NORTH WALLS OF CELLS D, E, J & K. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

16. INSTALL THREE VERTICAL STRIPS OF AMERDRAIN 500 DRAIN SHEET (OR ENGINEERING APPROVED EQUAL) FROM TOP OF PERIMETER DRAIN TO A HEIGHT OF 24 FEET ON EACH OF THE REMAINING WALLS OF OF CELLS B, D, E, F, H, J, K & L. CHIMNEYS SHALL BE EQUALLY SPACED (15 FEET) BEGINNING AND ENDING 4 FEET (MAX) FROM THE CORNERS. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

17. SDR 35 PVC DRAIN PIPE MATERIAL TO BE ASTM D3034.

18. JOIN DRAIN PIPE PER MANUFACTURER'S INSTRUCTIONS.

19. CORING, DRILLING & CHIPPING OF CONCRETE AND REPAIR OF DAMAGED CONCRETE SHALL BE PER SHS ENGINEERING STANDARD 03010, REV. 1.

20. FOR VAULT 4 NONSTRUCTURAL CRACK REPAIR SEE INSTRUCTIONS AT LEFT.

21. SALT SOLUTION GROUT CELL DESIGN FILL LEVEL IS 25 FEET.

22. ATTACH VENT TUBES TO COLLECTION PIPE AT FOUR LOCATIONS IN CELLS B, H & K. SEE DETAIL H ON DRAWING W828993 FOR CONNECTION DETAIL. VENTS SHALL BE LOCATED TO ALIGN WITH 3" PIPE SLEEVES IDENTIFIED ON DRAWING C-CC-Z-0012.

23. SEE DETAIL I ON DRAWING W828993 FOR THE SHEET DRAIN EDGE COVER DETAILS (CELL B AND H ONLY).

UNITED STATES DEPARTMENT OF ENERGY

SAVANNAH RIVER SITE

THIS DRAWING HAS BEEN FURNISHED BY THE SAVANNAH RIVER SITE. THE INFORMATION AND KNOW THEREON MAY NOT BE USED FOR THE DRAWING REPRODUCED WITHOUT WRITTEN PERMISSION OF THE PRIME CONTRACTOR. ALL REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING VENDOR'S SHOP DRAWINGS, SHALL BEAR OR REFER TO THIS STAMP.

TITLE

SAVANNAH RIVER PLANT  
DWPF - 200Z AREA  
SALTSTONE VAULT 4  
PLAN, SECTIONS AND DETAILS  
CONCRETE

SEP. DRAWING NO. W828992

SHEET NO. 2 OF 2

DRAWING REV. 3

UNITED STATES DEPARTMENT OF ENERGY			
SAVANNAH RIVER SITE			
THIS DRAWING HAS BEEN FURNISHED BY THE SAVANNAH RIVER SITE. THE INFORMATION AND KNOW HOW THEREON MAY BE USED FOR THE DRAWING REPRODUCED WITHOUT WRITTEN PERMISSION OF THE PRIME CONTRACTOR. ANY REPRODUCTIONS IN WHOLE OR IN PART, INCLUDING MEMPHYS SHOP DRAWINGS, SHALL BEVOID OF REFERENCE TO THIS STANDARD.			
TITLE	SAVANNAH RIVER PLANT DWPF - 200Z AREA SALTSTONE VAULT 4 PLAN, SECTIONS AND DETAILS CONCRETE		
DRAWING NO.	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">C</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">C</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Z</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">0</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">0</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">0</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">3</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">1</div> </div>		
SHEET NO.	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">W828992</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">2</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">OF</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">2</div> </div>		
DRAWING REV.	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">3</div> </div>		