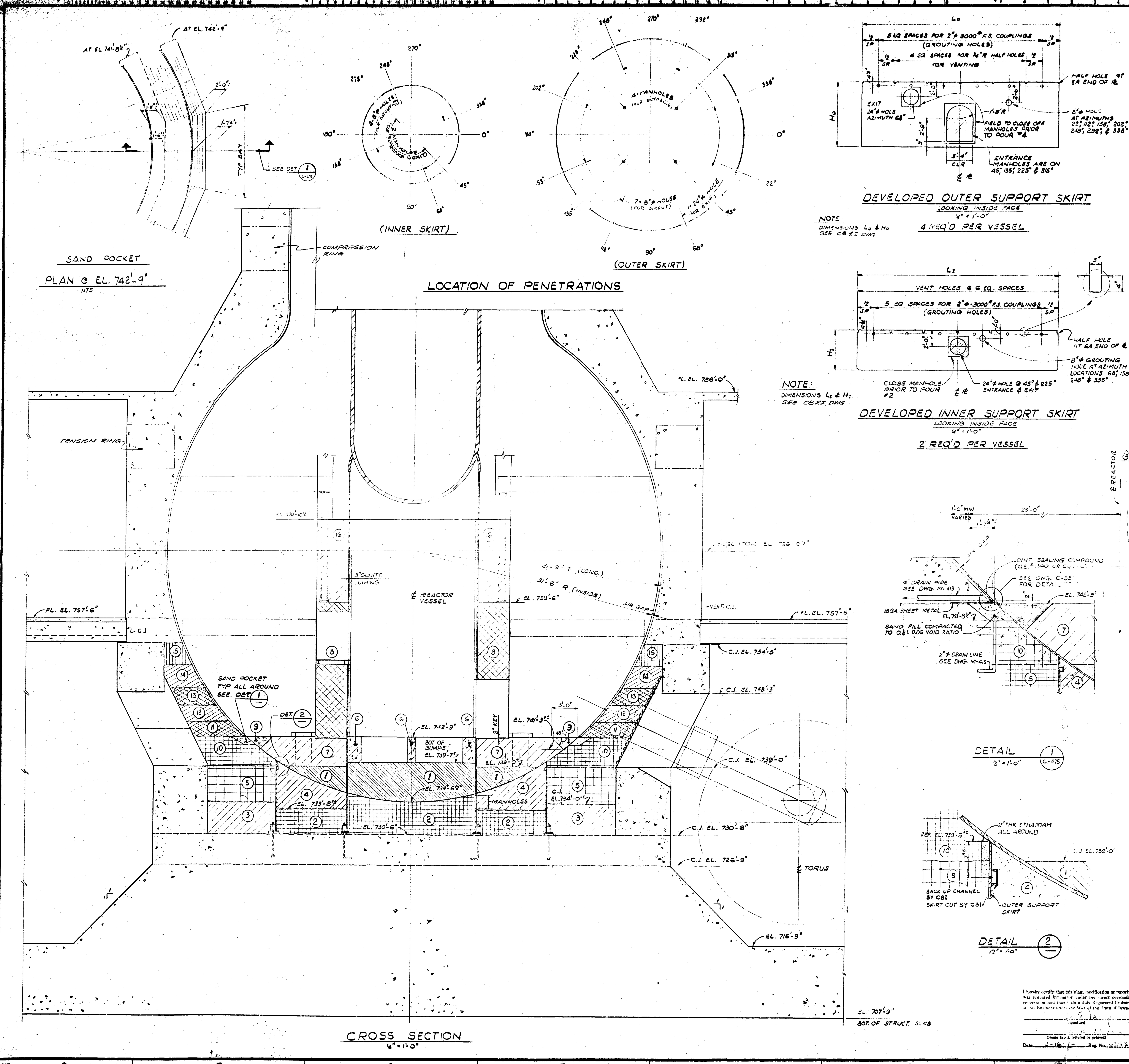

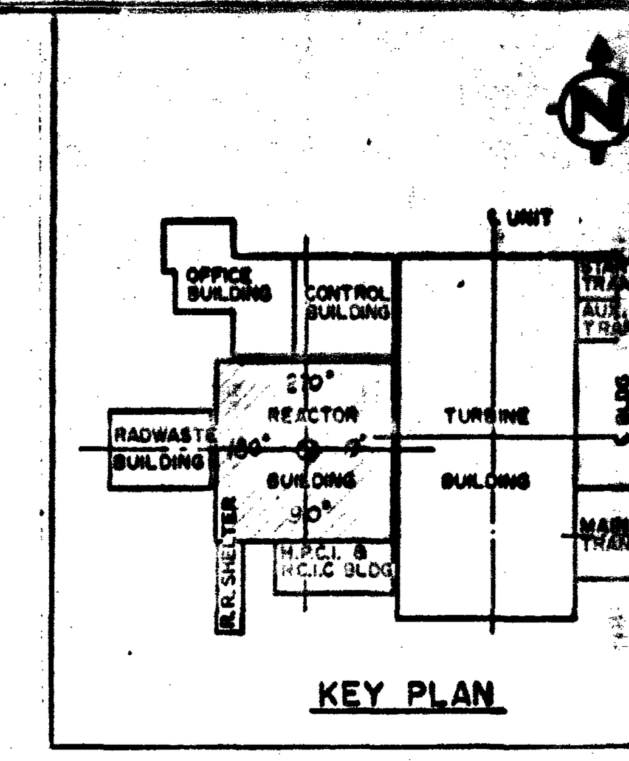

SEQUENCE OF CONC. POURS UNDER DRYWELL VESSEL

1. AFTER COMPLETION OF THE 'HALIDE LEAK' TEST OF LOWER PORTION OF THE DRYWELL, INSTALL REBAR & PLACE CONC. POUR #1 INSIDE THE DRYWELL UP TO EL. 739'-7" & 739'-0"
2. MAKE POUR #2 UNDER DRYWELL INSIDE INNER SKIRT. USE OPENINGS IN SKIRT FOR FLEXIBLE PUMPCRETE PIPES. CLOSE OFF SKIRT OPENINGS AS POUR PROGRESSES. MAKE SURE CONC. OVERFLOWS THROUGH ALL VENT OPENINGS ON TOP OF SKIRT. PUMPING PRESSURE EXERTED ON DRYWELL VESSEL SHALL NOT EXCEED 7 PSIG. CONTINUE POUR #2 BETWEEN INNER & OUTER SKIRT UP TO EL. 733'-8"±.
3. PLACE POUR #3 TO ELEVATION 734'-0"±
4. PLACE POUR #4 BETWEEN INNER & OUTER SKIRTS. MAKE SURE CONCRETE OVERFLOWS THROUGH ALL VENT OPENINGS AT TOP OF OUTER SKIRT. USE 2"φ COUPLINGS, IF REQ'D TO COMPLETELY FILL CAVITY.
5. DRYWELL SKIRT MAY BE CUT BY CBI THREE DAYS AFTER COMPLETION OF POUR #4. BECHTEL TO INSTALL ETHAFOAM AS SHOWN IN DETAIL 2 AND PLACE CONCRETE POUR #5.
6. PLACEMENT OF CONC. FOR POURS #6 THRU #8 MAY BE MADE AS STRUCTURAL DESIGN FINALIZES. CONC. PLACEMENT FOR POURS #9 THRU #16 TO BE MADE AFTER CONTAINMENT VESSEL PRESSURE TEST.
7. PLACEMENT OF CONC. FOR POURS #5 AND #6 MAY BE REVERSED.
8. MINIMUM TIME BETWEEN ADJACENT CONC. PLACEMENTS, BOTH HORIZONTAL AND VERTICAL, TO BE THREE DAYS.
9. CONCRETE CLASS C-2 MAY BE CHANGED TO C-1. CLASS C-2-X MAY BE CHANGED TO C-1-X; FIELD OPTION.

NOTES:

1. FOR GENERAL CONC. NOTES SEE DWG. C-1
2. CONCRETE CLASSIFICATIONS

POUR NO.	MINIMUM CONC. STRENGTH	NOTES
(1)	5000 PSI	—
(6) THRU (8) AND (16)	5000 PSI	EXPANSIVE CONCRETE
(2) (3) (4)	4000 PSI	EXPANSIVE CONCRETE
(10) THRU (15)	4000 PSI	—
(5)	4000 PSI	GROUT OR CONCRETE
(9)	5000 PSI	NORMAL CONCRETE OR EXPANSIVE CONCRETE

3. CONC. PLACED IN POUR #1 SHALL NOT EXCEED 2" SLUMP

REFERENCE DWGS:

REACTOR BUILDING.
FDN MAT PLAN SH #1 & SH #2 .... C-400, C-401
DRYWELL VESSEL FDN SH. #1 & SH #2 .... C-476, C-477
DRYWELL CONC AIR GAP DETAILS C-550 THRU C-553

CONTAINMENT VESSELS - REQUIREMENT DRYWELL PLAN & SECTIONS SK-M-50
SUPPRESSION CHAMBER PLAN, SECTIONS AND PENETRATIONS SK-M-51
PLAN @ EL. 716'-9" & 742'-8" DRAINAGE M-413

FOR INFORMATION ONLY

No.	DATE	REVISIONS	BY	CHKD	DESIGN SUPV	ENGR	PROJ ENGR	APPD
3	2/17/71	REV. CONC. STRENGTH REQUIREMENTS TO AGREE WITH C-510 & C-511 AND "AS-BUILT" COMPRESSION CYLINDER TESTS	E.D.			HC		
2	2/3/71	GENERAL POUR SEQUENCE REVISIONS, REVISED DETS 1 & 2 & NOTES	E.D				SC	
1	4/23/70	REVISED: CONST. SEQUENCE AND DET. 1 ADDED: SAND POCKET PLAN	E.D	HC	HC		SC	
0	2/16/70	ISSUED FOR CONSTRUCTION	E.D	HC	HC		SC	

SCALE AS SHOWN | DESIGNED E. DAYANS | DRAWN E. DAYANS | CHIEF ENGR

BECHTEL
SAN FRANCISCO

DUANE ARNOLD ENERGY CENTER—UNIT NO 1
IOWA ELECTRIC LIGHT AND POWER COMPANY
CEDAR RAPIDS IOWA

REACTOR BUILDING
DRYWELL VESSEL SUPPORTS
AND CONSTRUCTION SEQUENCE

JOB No.	DRAWING No.	REV.
7884	C-475	3

I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly Registered Professional Engineer under the laws of the State of Iowa.

Attachment 1
Bechtel Drawing,
BECH-C-475,
Revision 3

8705190385