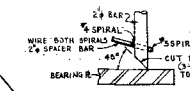
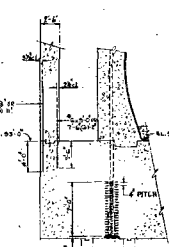


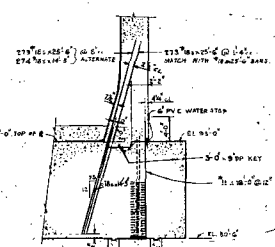
TYPICAL PLAN OF SPIRALS  
SEE SECTION 3-3 FOR VIEW



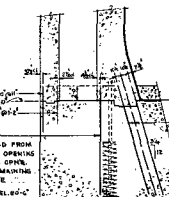
SECTION a-a



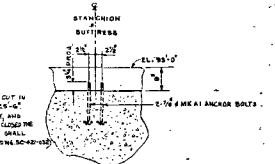
SECTION 3-3



SECTION 1-1



SECTION 4-4



SECTION 2-2  
(TYP. EACH BUTTRESS)

12\"/>

FOR DETAILS OF COL BASE  
SEE DWG. SC-281018

FOR DOWELS IN  
COUNTERPARTS SEE  
DWG. SC-4031024

FOR DOWELS SEE ELEVATION  
OF WALLS IN  
DWG. SC-2401024

1/4\"/>

NOTE:  
1. THIS MAT BEARING IS CONCRETE WITH REACTOR BUILDING  
MAT CONCRETE BELIEVE - SC-411023.

REFERENCES:  
SC-429-001 - RECOMMENDATION LIST  
SC-430-002 - RECON AMT LIST  
SC-431-004 - RECON ITEM LIST  
SC-432-006 - RECON ITEM LIST  
SC-433-008 - RECON ITEM LIST

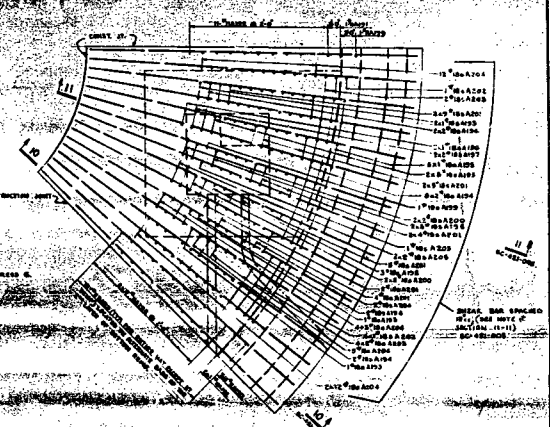
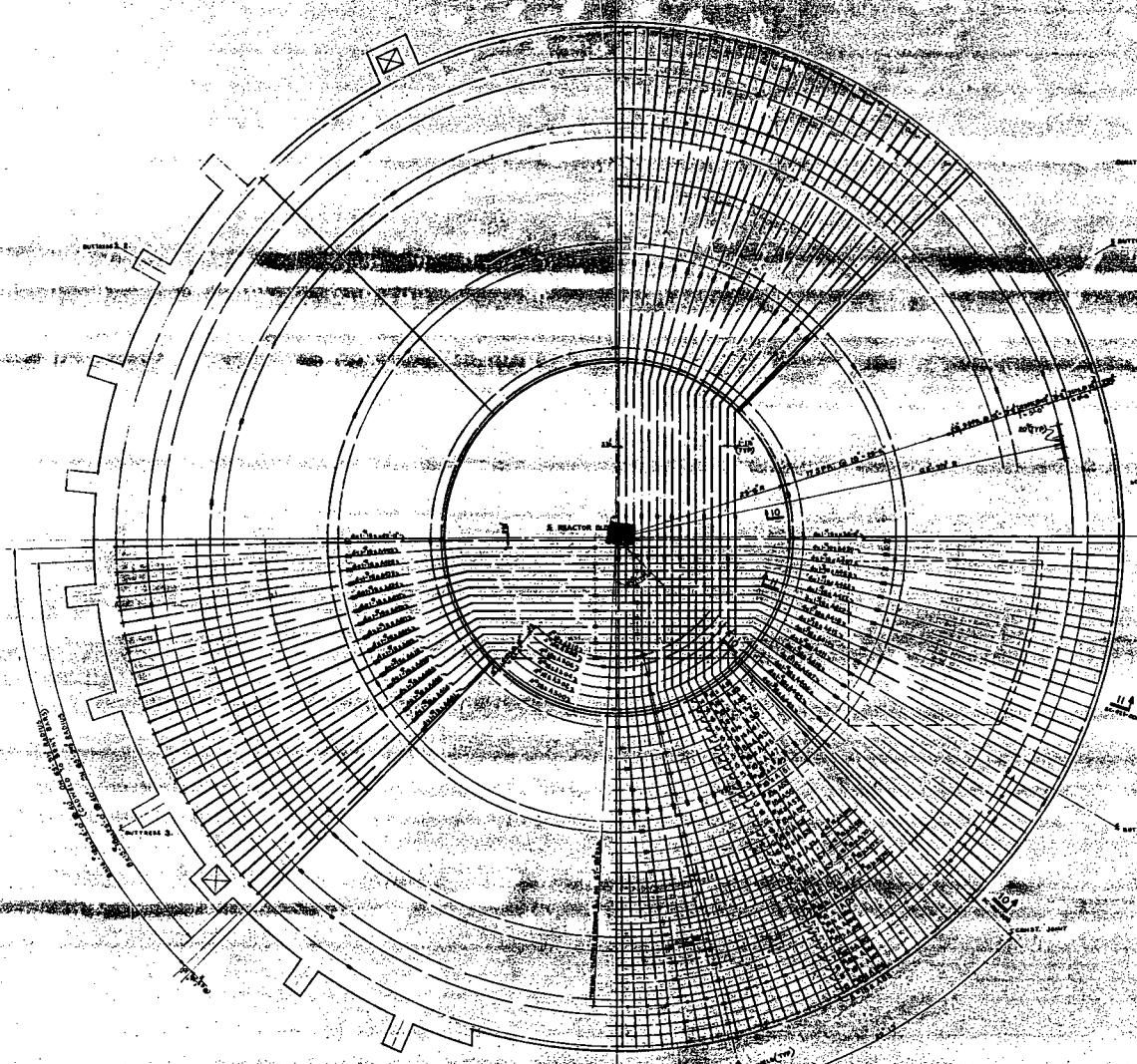
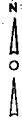
4	ANCHOR BOLTS ADDED FOR COLS AT CONSTRUCTION OPENINGS
5	COLUMN BEAMS BY TENDON GALLERY ACCESS & DOWELS PROVIDED.
6	REVISED SPIRALS TO VERIFY TENDON ACCESS.
7	TYP. PLAN OF SPIRALS, DOWELS DELETED FROM GALLERY IN RETAINING WALL. SEE ACCESS TO TENDON GALLERY.
8	REVISED DOWEL LAYOUT AND NOTES.
9	DELETED SPIRALS AT TENDON CORRECTED QUANT. OF SECT. 1-1. & ADDED ANCHOR BOLTS AT SECT. 4-4.
10	REVISIONS

**FLORIDA POWER CORPORATION**  
 61, PETERSBURG, FLORIDA  
 UNIT NO. 2 855,000 KW  
**REACTOR BUILDING**  
**FOUNDATION MAT**  
**ANCHOR BOLT AND DOWELS**

DATE	RELEASED FOR	ENGR	DATE	APPROVED FOR	DATE

APPROVED FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION  
 PROJECT ENGINEER  
**SC-421-008**

08/80



SECTIONAL PLAN M-M (ORC SC-421-005)  
PLAN SHOWING PLACEMENT OF SHEAR REINF.

REVISIONS:

1	AS SHOWN	ISSUED FOR CONSTRUCTION
2	AS SHOWN	ISSUED FOR CONSTRUCTION
3	AS SHOWN	ISSUED FOR CONSTRUCTION
4	AS SHOWN	ISSUED FOR CONSTRUCTION

CHANGED PER 10/24/51

**FLORIDA POWER CORPORATION**  
IN FEDERAL POWER  
**CRYSTAL RIVER PLANT**

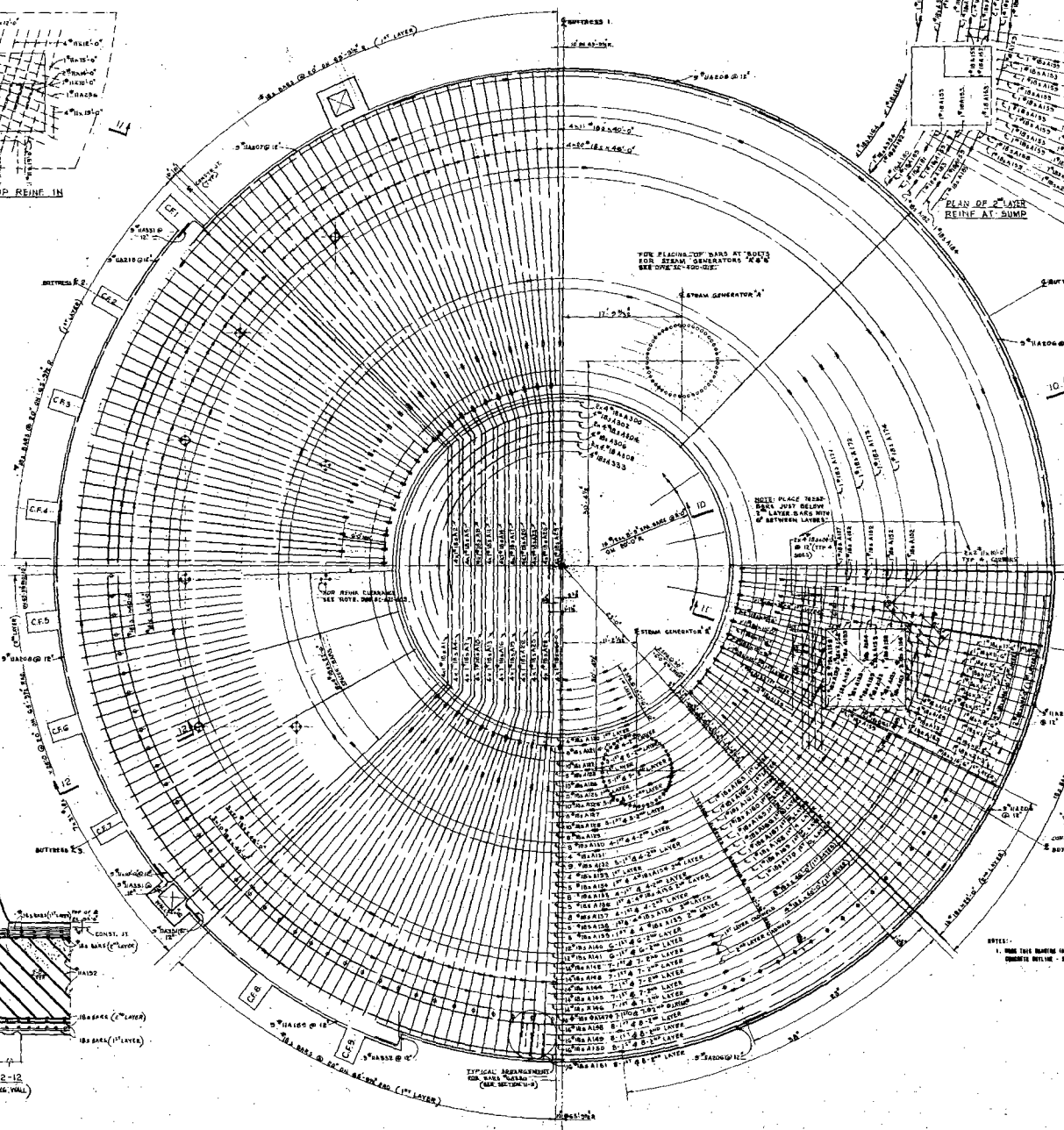
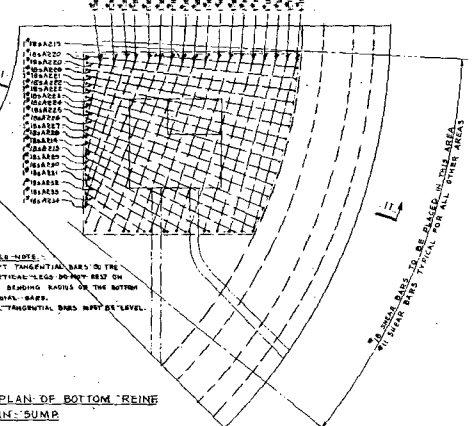
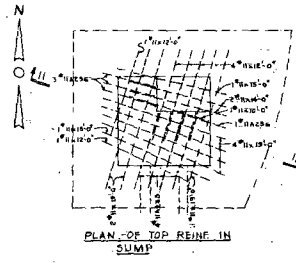
REACTOR BUILDING  
FOUNDATION MAT  
REINFORCEMENT FOR LAYER

ENGINE ASSOCIATES, INC.  
MEMPHIS, TENNESSEE

APPROVED  
FOR CONSTRUCTION BY  
DATE

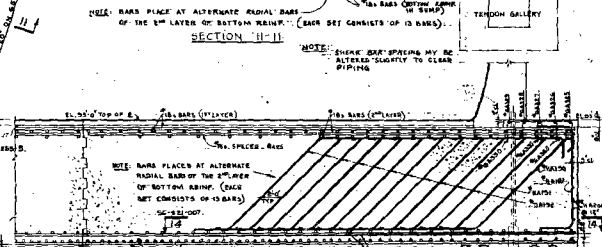
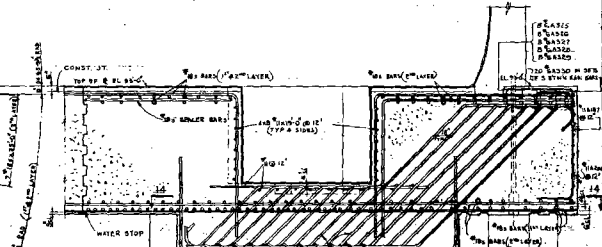
4202 421-007 SC-421-007

NO.	DATE	DESCRIPTION
1	10/24/51	ISSUED FOR CONSTRUCTION
2	10/24/51	ISSUED FOR CONSTRUCTION
3	10/24/51	ISSUED FOR CONSTRUCTION
4	10/24/51	ISSUED FOR CONSTRUCTION



FIELD NOTES: SHORT TANGENTIAL BARS ON THE VERTICAL LEGS SHOULD BE ON THE READING BARS ON THE BOTTOM RADIAL BARS. RECTANGULAR BARS MUST BE LEVEL.

NOTE: RADIAL BARS MAY BE SOLD BENT OR REINFORCED TO CLEAR TENDON ALLEYS. BUT IN NO CASE SHALL THE SPACING OF THE BARS BE LESS THAN ONE BAR DIAMETER.



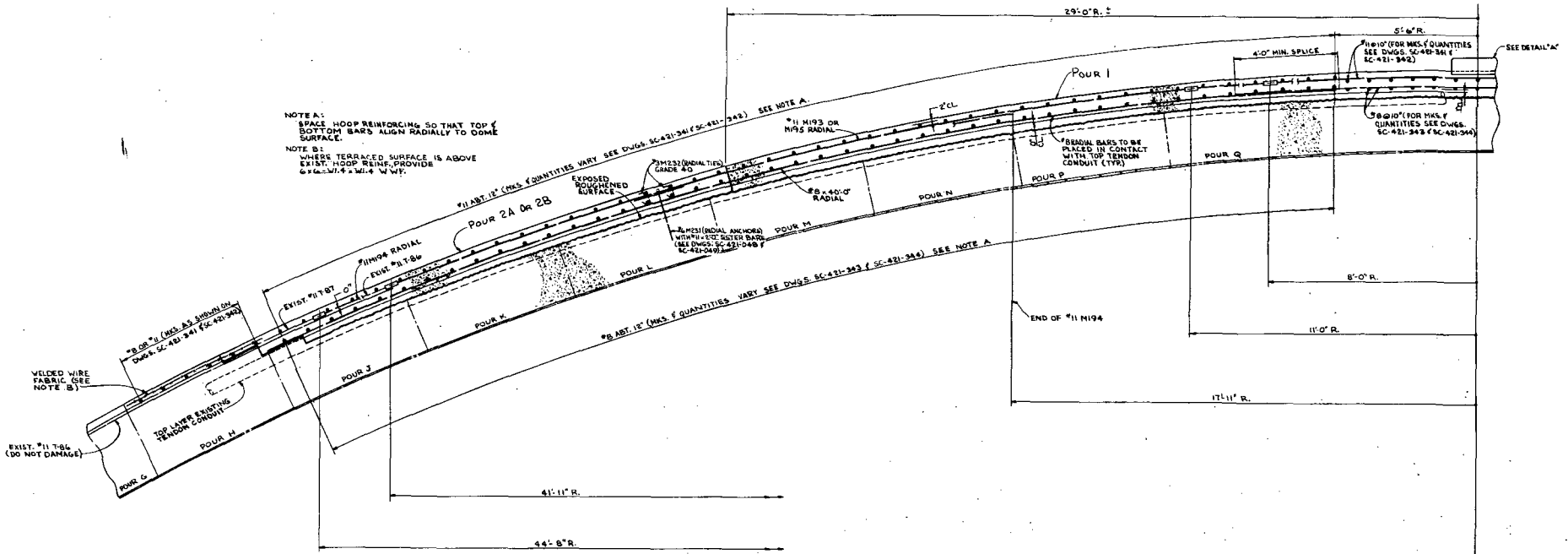
SECTION 12-12 (TYP. OF RETAINING WALL)

NOTES:  
1. MAKE THIS DRAWING IN CONFORMANCE WITH SECTION 010500-01.  
END OF SHEET - 16-411-582.

- REFERENCES:
- 16-434-419 REINFORCEMENT LIST
  - 16-434-420 REINFORCEMENT LIST
  - 16-434-421 REINFORCEMENT LIST
  - 16-434-422 REINFORCEMENT LIST
  - 16-434-423 REINFORCEMENT LIST
  - 16-434-424 REINFORCEMENT LIST

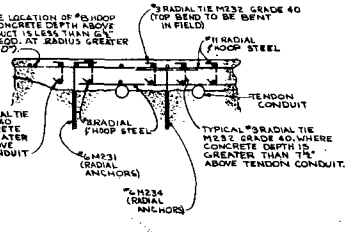
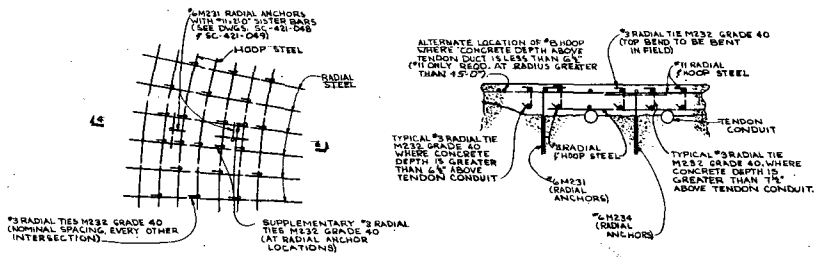
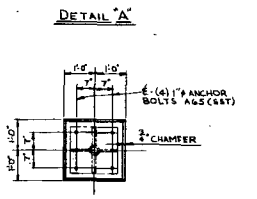
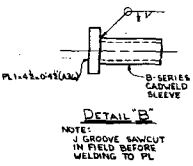
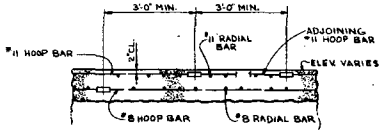
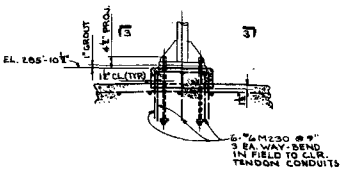
**FLORIDA POWER CORPORATION**  
 401 W. PENNSACOLA, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2 REACTOR BUILDING  
 FOUNDATION MAT  
 TOP REINFORCEMENT (1ST & 2ND LAYER)

DESIGN: GILBERT ASSOCIATES, INC. LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION WORKING DRAWING ONLY RELEASED FOR:	<b>APPROVED:</b> FOR CONSTRUCTION BY FLORIDA POWER CORPORATION 1/18-68 NEW YORK 4803 E-481-008 RELEASED FOR:
--	---



**SECTION 1-1**

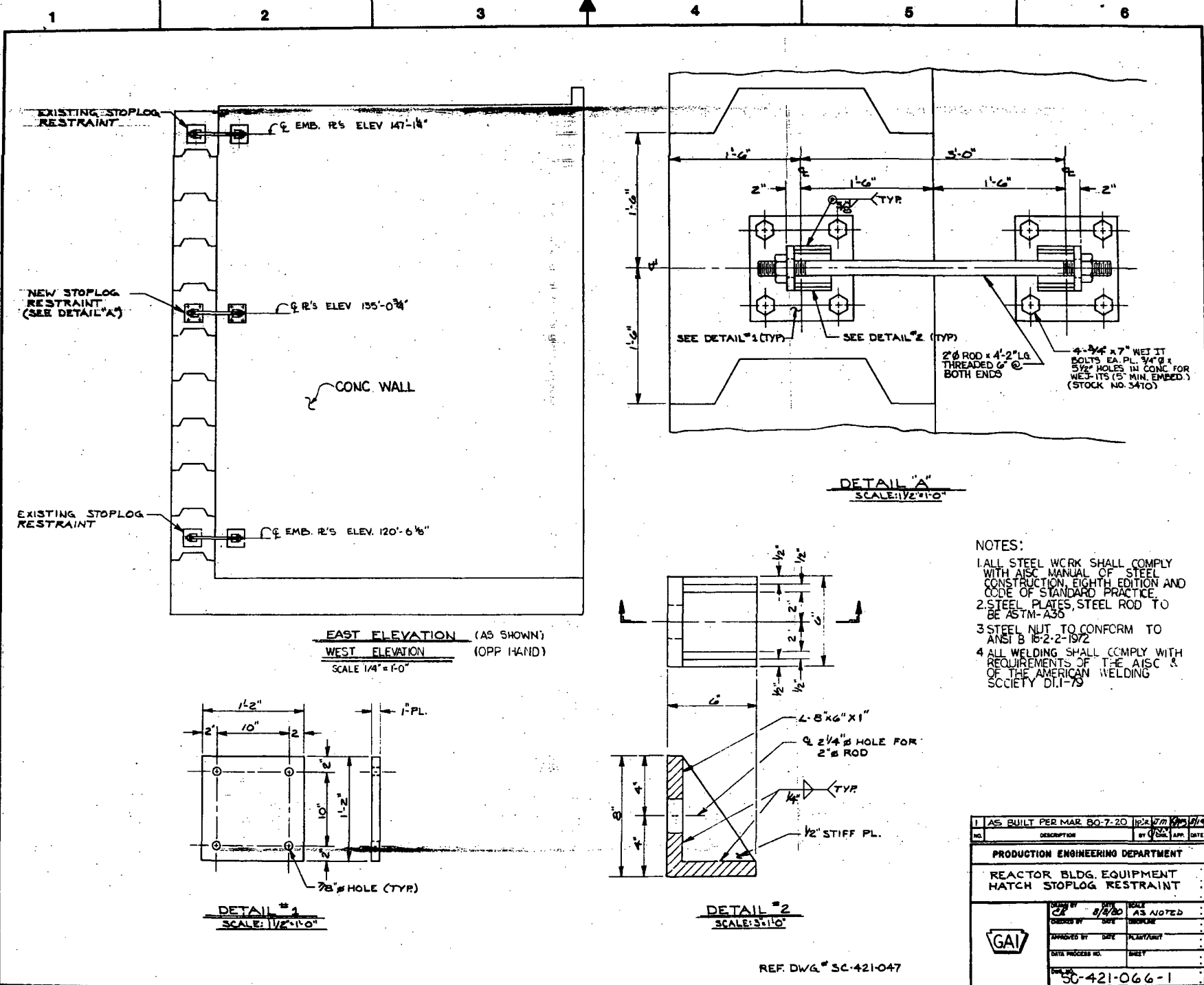
CONTAINMENT BLDG.



NOTES:  
1. FOR NOTES AND REFERENCES, SEE DWGS. SC-421-343.

ADDED WELDED WIRE FABRIC AND RELATED WORK TO SECTION 1-1, INDICATED RADIAL TIES AND ANCHORS ON SECTION 1-1 AND ADDITIONAL PLAN - ADDITIONAL RADIAL REINF. (SECTION 4-4 AS INDICATED (4 PLACES))	
<b>FLORIDA POWER CORPORATION</b> ST. WINTERGARD FLORIDA CRYSTAL RIVER PLANT UNIT NO. 3 881,000 KW REACTOR BUILDING - CONCRETE DOME REPAIR DONE REINFORCEMENT SECTIONS & DETAILS	
DRAWN BY: [Signature] CHECKED BY: [Signature]	APPROVED FOR CONSTRUCTION BY: [Signature] APPROVED FOR CONSTRUCTION BY: [Signature]
DATE: [Date] RELEASED FOR: [Date]	DWG. NO.: 4203 E-101-345 1 SC-421-345 E-10-15

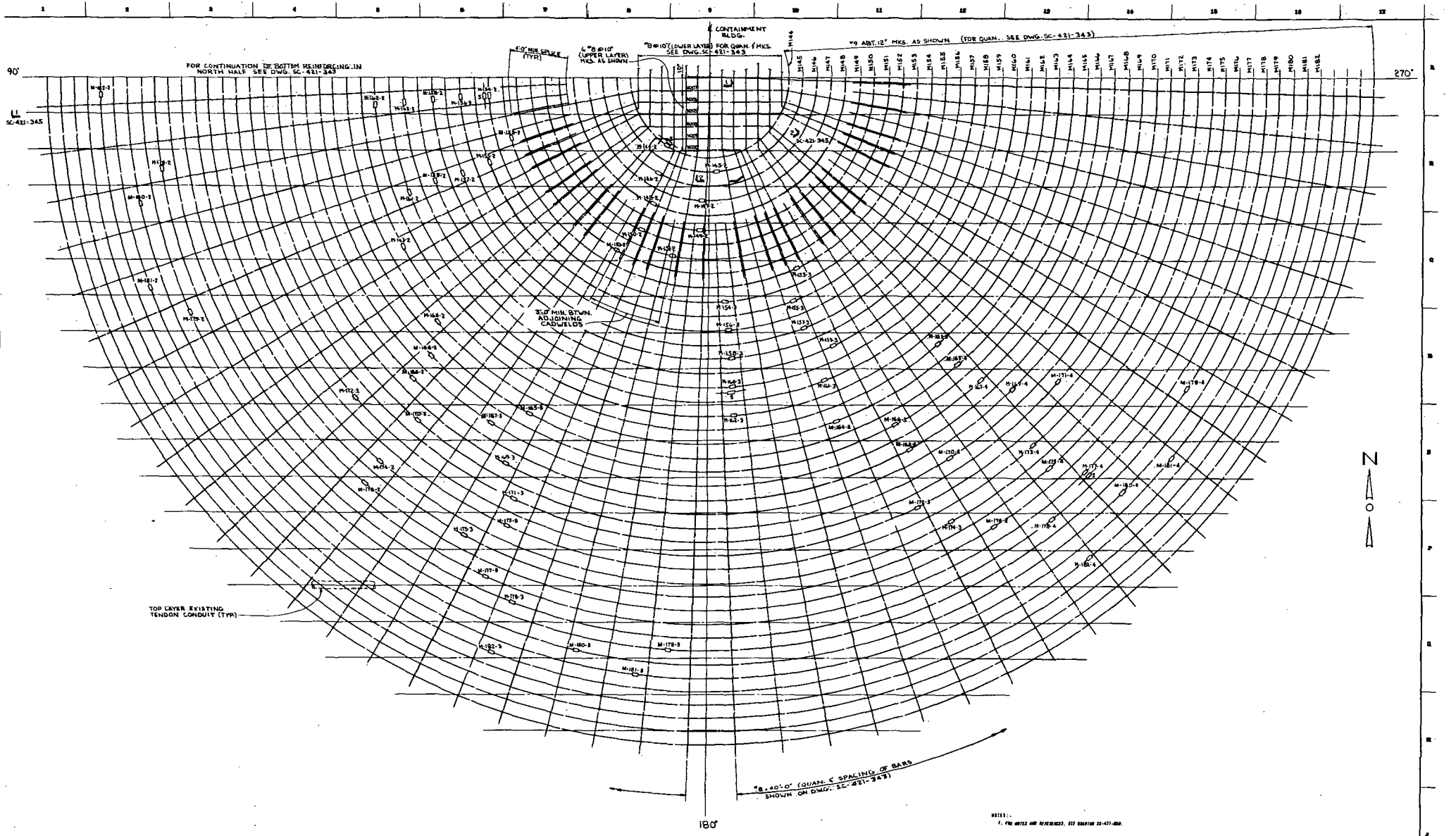
236-24 LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION BINDING PURPOSES ONLY	DATE: [Date] RELEASED FOR: [Date]	DWG. NO.: 4203 E-101-345 1 SC-421-345 E-10-15
--	--------------------------------------	--



- NOTES:
1. ALL STEEL WORK SHALL COMPLY WITH AISC MANUAL OF STEEL CONSTRUCTION, EIGHTH EDITION AND CODE OF STANDARD PRACTICE.
  2. STEEL PLATES, STEEL ROD TO BE ASTM-A36.
  3. STEEL NUT TO CONFORM TO ANSI B 18.2-2-1972.
  4. ALL WELDING SHALL COMPLY WITH REQUIREMENTS OF THE AISC & OF THE AMERICAN WELDING SOCIETY D1.1-79.

1 AS BUILT PER MAR 80-7-20		10/2/80		10/2/80	
NO.	DESCRIPTION	BY	DATE	APP.	DATE
PRODUCTION ENGINEERING DEPARTMENT					
REACTOR BLDG. EQUIPMENT HATCH STOPLOG RESTRAINT					
DESIGNED BY	8/8/80	SCALE	AS NOTED		
CHECKED BY		DATE			
APPROVED BY		DATE			
DATE PROCESSED		SHEET			
SC-421-066-1					

REF DWG. SC-421-047

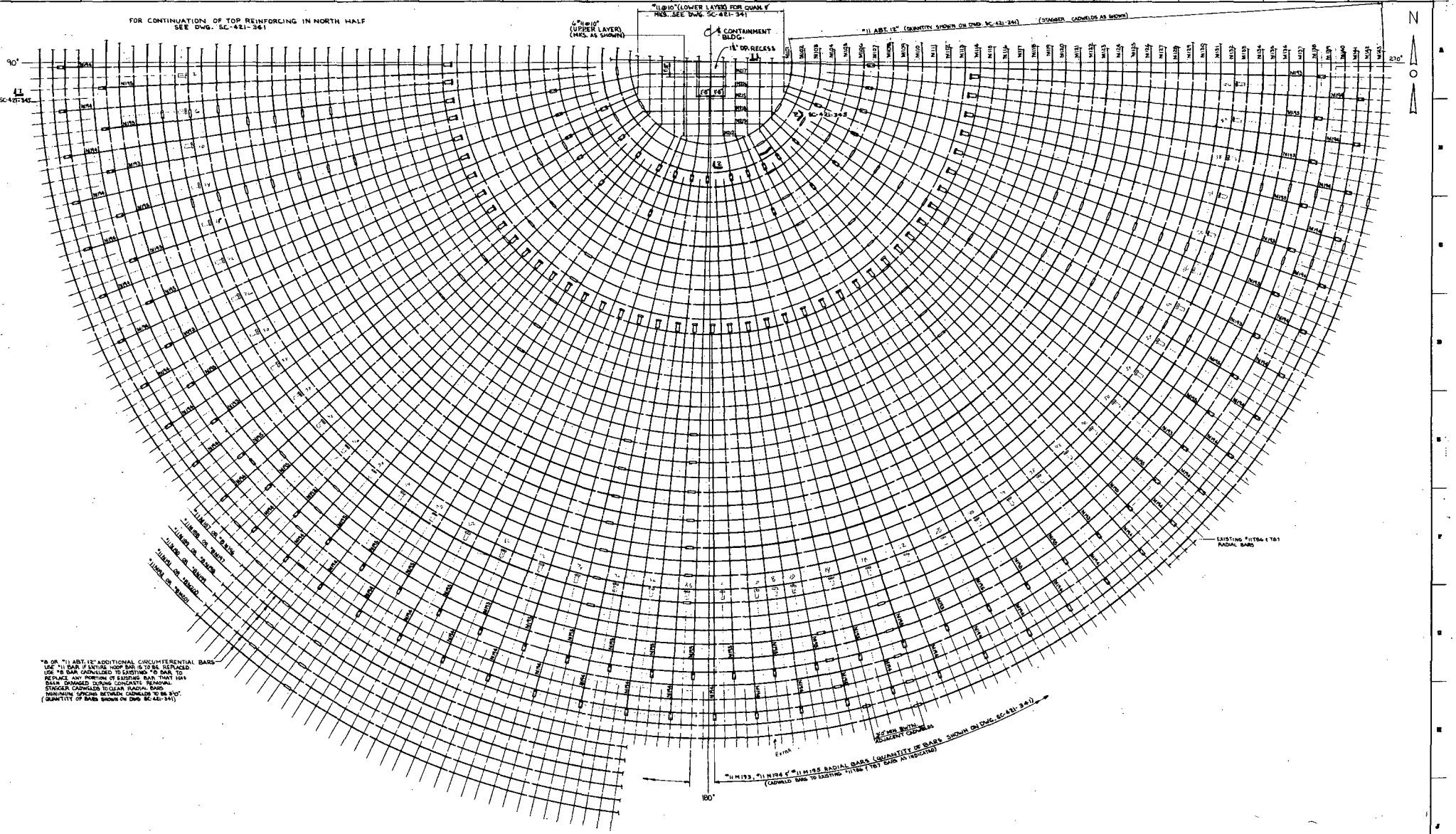


BOTTOM REINFORCING PLAN  
SOUTH HALF

NOTES:  
1. THE BARS AND REINFORCEMENT, SEE DRAWING SC-421-344.

<b>FLORIDA POWER CORPORATION</b> ST. PETERSBURG, FLORIDA CRYSTAL RIVER PLANT UNIT NO. 3 833,000 KW REACTOR BUILDING - CONCRETE DONE REPAIR DONE REINFORCEMENT SOUTH HALF - BOTTOM REINFORCEMENT		APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION <i>[Signature]</i>
PREPARED BY LIMITED CONSTRUCTION AS NOTED DESIGN PRELIMINARY NOT FOR CONSTRUCTION REVISIONS DATE	ENGINEER 4203 E-421-344 SC-421-344 RELEASED FOR	CHECKED BY 4203 E-421-344 SC-421-344 DATE

FOR CONTINUATION OF TOP REINFORCING IN NORTH HALF  
SEE DWG. SC-421-341



\*AS OR "11 A.B.T. 12" ADDITIONAL CIRCUMFERENTIAL BARS  
USE "11 BAR IF ENTIRE HOOP BAR IS TO BE REPLACED  
USE "8 BAR OTHERWISE TO EXISTING "8 BARS TO  
REPLACE ANY PORTION OF EXISTING BARS THAT HAS  
BEEN DAMAGED DURING CONCRETE POURING.  
STAGGER CANNELS TO CLEAR RADIAL BARS.  
MINIMUM SPACING BETWEEN CANNELS TO BE 2'-0"  
(QUANTITY OF BARS SHOWN ON DWG. SC-421-341)

NOTE:  
FOR ADDITIONAL RADIAL REINF.  
SEE PLAN ON DWG. SC-421-343

TOP REINFORCING PLAN  
SOUTH HALF

NOTES:  
1. FOR NOTES AND REFERENCES, SEE DRAWING SC-421-340.

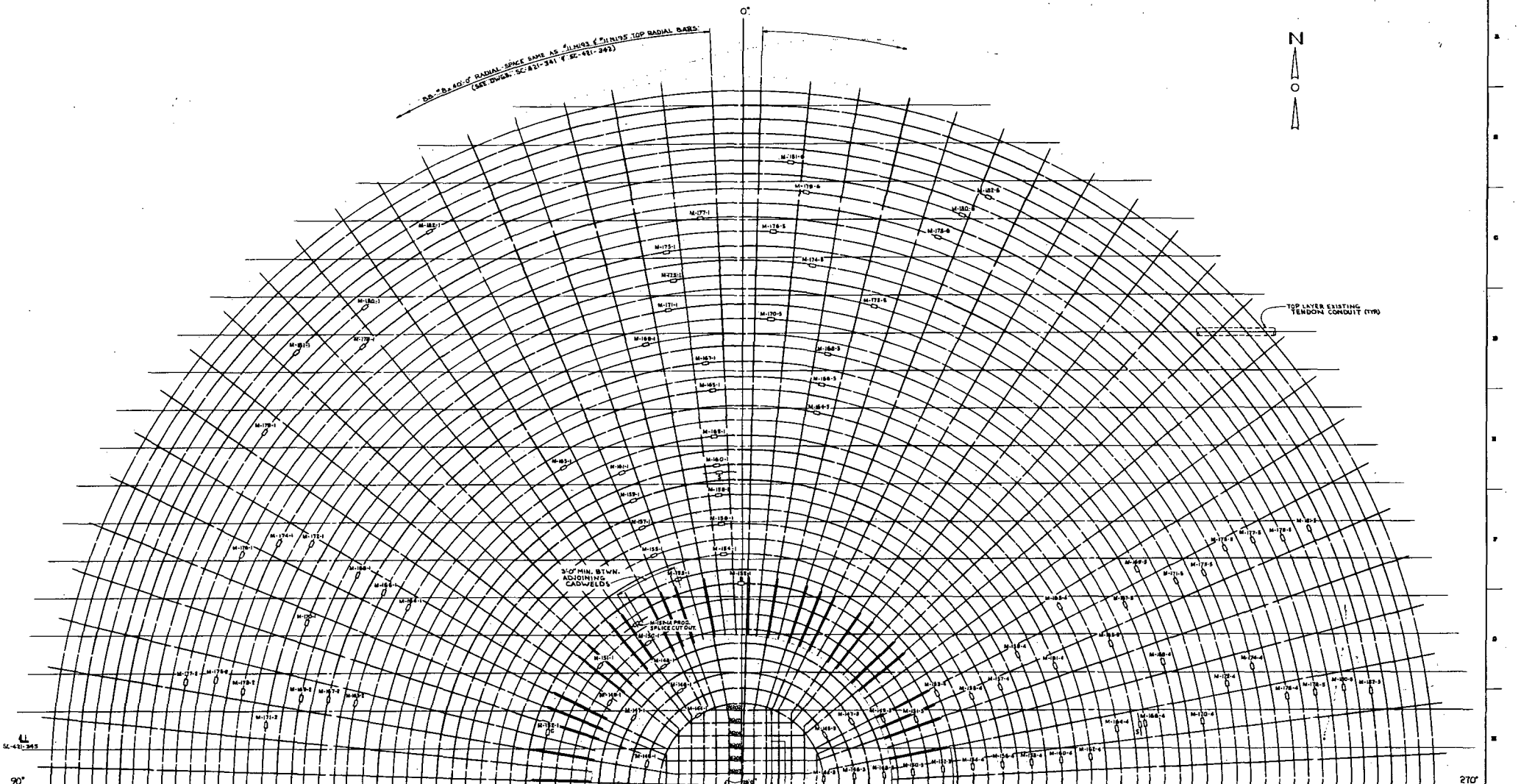
1. ADDED NOTE AS IND. APPROVED

**FLORIDA POWER CORPORATION**  
CRYSTAL RIVER PLANT  
UNIT NO. 2 855,000 KW  
REACTOR BUILDING - CONCRETE DOME REPAIR  
DOME REINFORCEMENT  
SOUTH HALF - TOP REINFORCEMENT

DESIGN	CONSTRUCTION	DATE	4/11/67	4803	E-421-342	SC-421-342
DATE	RELEASED FOR	CHKD	1/11/67	1/11/67	1/11/67	1/11/67
LIMITED CONSTRUCTION AS NOTED			APPROVED FOR CONSTRUCTION BY			
Preliminary Not for Construction			POWER VOICES CORPORATION			
BIDDING PURPOSES ONLY			1/11/67			

**APPROVED**  
FOR CONSTRUCTION BY  
POWER VOICES CORPORATION  
1/11/67

15-10-15



SC-421-343

90°

270°

FOR CONTINUATION OF BOTTOM REINFORCING IN SOUTH HALF SEE DWG. SC-421-344

13" x 8" @ 10" (LOWER LAYER)  
MKS OR LENGTH AS SHOWN

7" x 8" @ 10" (UPPER LAYER)  
MKS. OR LENGTH AS SHOWN

3" @ 10" MIN. B.T.W. ADJOINING CADWELDS

3" @ 10" MIN. SPACE (TVR)

CONTAINMENT BLDG.

TOP LAYER EXISTING TENDON CONDUIT (TVR)

\* PART. 1/2" MKS. & QUAN. SHOWN FOR FULL CIRCUMFERENCE OF EA. RING (STAGGER CADWELDS AS SHOWN)

\* PART. 1/2" MKS. & QUAN. SHOWN AS "LINES & DIMENSIONS TOP RADIAL BARS" (SEE DWG. SC-421-341 & SC-421-342)

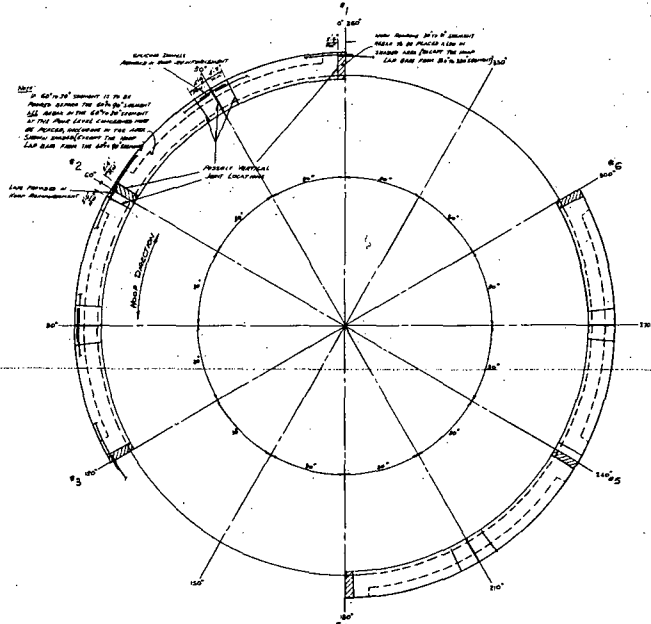
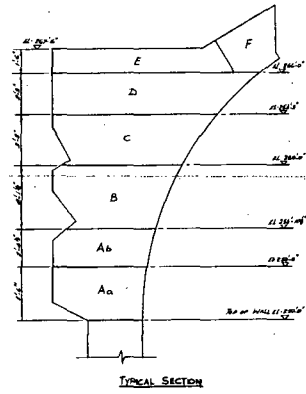
**BOTTOM REINFORCING PLAN  
NORTH HALF**

NOTES:  
1. FOR NOTES AND REFERENCES, SEE DRAWING SC-421-340.

<b>FLORIDA POWER CORPORATION</b>	
ST. PETERSBURG, FLORIDA	
CRYSTAL RIVER PLANT	
UNIT NO. 3	\$13,000.00 EW
REACTOR BUILDING - CONCRETE DOME REPAIR	
DOME REINFORCEMENT	
NORTH HALF - BOTTOM REINFORCEMENT	

DATE	RELEASED FOR	ENGR.	NO. 4203	E-421-343	SC-421-343
CONSTRUCTION		LIMITED CONSTRUCTION AS NOTED		PRELIMINARY NOT FOR CONSTRUCTION	
DRAWN		CHECKED		APPROVED	
FOR BIDDING PURPOSES ONLY		FOR BIDDING PURPOSES ONLY		FOR CONSTRUCTION BY	
FLORIDA POWER CORPORATION		FLORIDA POWER CORPORATION		FLORIDA POWER CORPORATION	

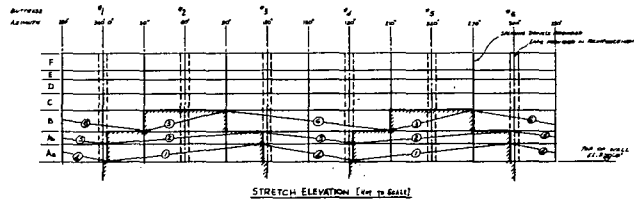




- POURING SEQUENCE RULES**
1. ALL POINTS ARE TO BE MADE IN 30" x 60" SQUARES.
  2. POINTS TO BE MADE FIRST THE INTERIOR AND BE MADE IN ANY ORDER, PROVIDED A NUMBER OF POINTS ARE BEING SET AT EACH POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  3. NO CHANGE OF POINTS IS PERMITTED THAT WILL EXCEED THE 30" MAXIMUM OF CONCRETE.
  4. POINTS ARE TO BE MADE AT A MINIMUM OF 60" SPACING ALONG THE PERIMETER OF EACH POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  5. THE ORDER OF CONCRETE IS TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  6. THE ORDER OF CONCRETE IS TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  7. THE ORDER OF CONCRETE IS TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  8. THE ORDER OF CONCRETE IS TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  9. THE ORDER OF CONCRETE IS TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.
  10. THE ORDER OF CONCRETE IS TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE TO BE MADE FROM THE CENTER OF THE POINT TO BE MADE.

**GENERAL NOTES:**

1. THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF DETERMINING THE SEQUENCE OF POURING USING THE RULES 1 THRU 8 ABOVE.
2. FOR FULL DETAILS AND DIMENSIONAL POSITION OF JOINTS SEE RING GIRDER PLAN AND SECTIONS DETAIL DRAWINGS.



PLAN ON POOR 'A's'  
 (ASSUMING WALLS NOT CONSTRUCTED)  
 UP TO 1150' O.C. SPACING 100' x 100'  
 & 150' TO 450'

FOR GENERAL NOTES & REFERENCES SEE DRAWING SC-421-336.

<b>FLORIDA POWER CORPORATION</b> ST. PETERSBURG, FLORIDA CRYSTAL RIVER PLANT UNIT NO. 3 REACTOR BUILDING RING GIRDER CONCRETE POURING SEQUENCE		850,000 KW
DESIGNER GILBERT ASSOCIATES, INC. 4203 E. 82ND ST. MIAMI, FLORIDA 33141	CHECKED J. E. [Signature] DATE 4/20/68	APPROVED FOR CONSTRUCTION BY [Signature] DATE 4/20/68
CONTRACT NO. E-421-336	DRAWING NO. SC-421-336	SHEET NO. 10 OF 17



24" MIN. BTWN. ADJACENT RADIAL BARS  
(CONCRETE BARS TO EXISTING TIE BARS AS INDICATED)

3'-0" MIN. BTWN. ADJACENT RADIAL BARS

3" OR 4" ABS. 12" ADDITIONAL CIRCUMFERENTIAL BARS. USE #11 BAR IF ENTIRE HOOP IS TO BE REPLACED. USE #8 BAR C/WELDED TO EXISTING #8 BAR TO REPLACE ANY PORTION OF EXISTING BAR THAT HAS BEEN DAMAGED DURING CONC. REMOVAL. STRAGGLER C/WELDS TO CLEAR RADIAL BARS. MINIMUM LAP LENGTH BETWEEN C/WELDS TO BE 3'-0".

EXISTING #11 TIE & TIE PLACING BARS

SC-421-343

SEE DETAIL "B" (SC-421-343)

11 ABS. 12" MIN. BTWN. ADJACENT RADIAL BARS (CONCRETE BARS TO EXISTING TIE BARS AS INDICATED)

NOTE: FOR ADDITIONAL RADIAL REINF. SEE PLAN ON DWG. SC-421-343

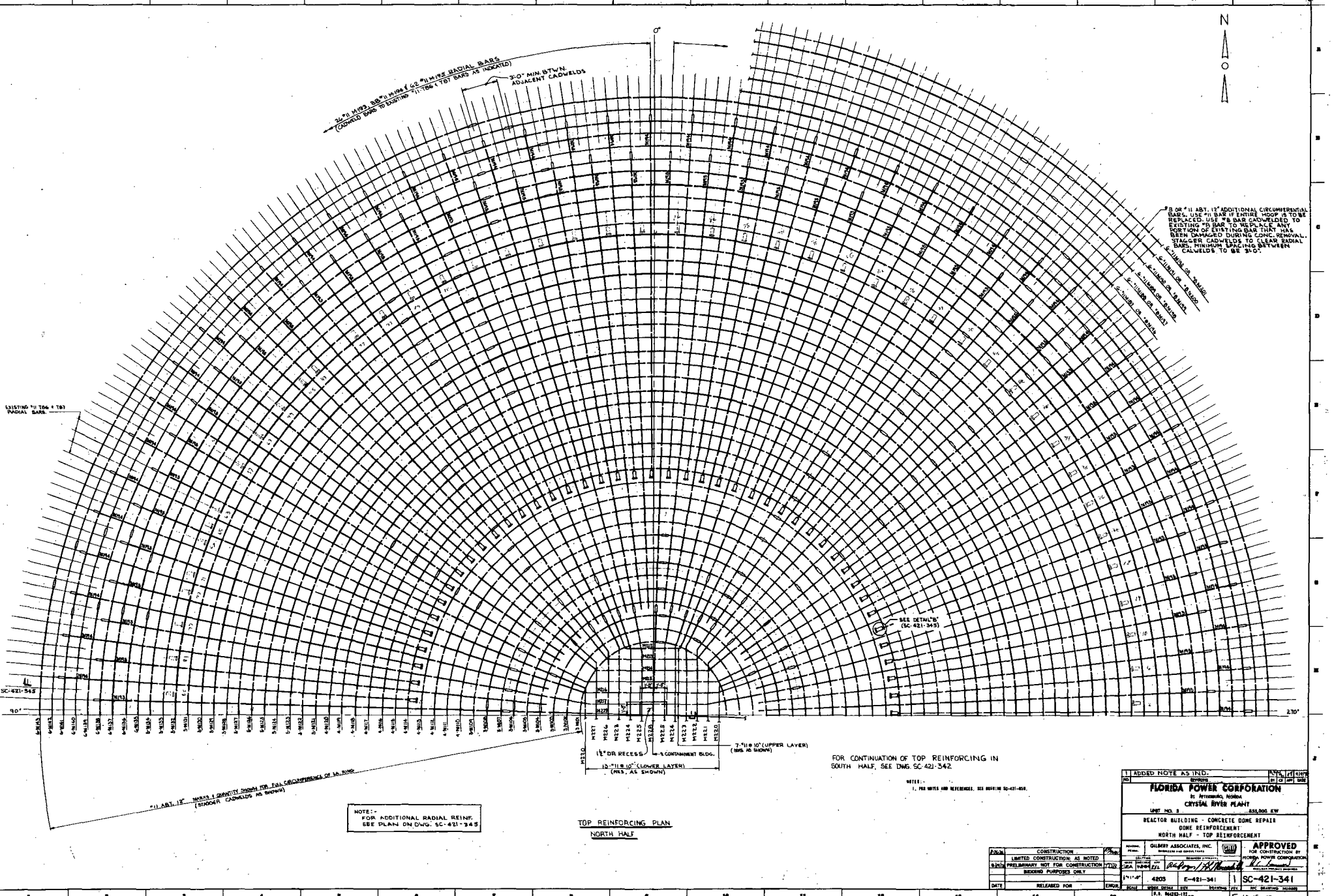
TOP REINFORCING PLAN  
NORTH HALF

FOR CONTINUATION OF TOP REINFORCING IN SOUTH HALF, SEE DWG. SC-421-342.

1. FOR NOTES AND REFERENCES, SEE DRAWING SC-421-343.

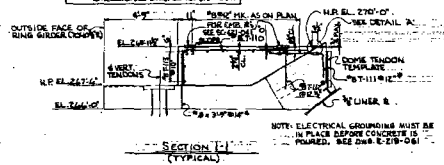
1	ADDED NOTE AS IND.	DATE	BY
<b>FLORIDA POWER CORPORATION</b>			
CRYSTAL RIVER PLANT			
UNIT NO. 3 835,000 KW			
REACTOR BUILDING - CONCRETE DONE REPAIR			
DOSE REINFORCEMENT			
NORTH HALF - TOP REINFORCEMENT			

APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION	DESIGNED BY GILBERT ASSOCIATES, INC.	DRAWN BY [Signature]
	CHECKED BY [Signature]	DATE 4-20-68
PROJECT NO. SC-421-341	SHEET NO. 1	TOTAL SHEETS 2
DATE RELEASED FOR [Signature]	EMPLOYEE NO. [Number]	P.L. 10-10-68

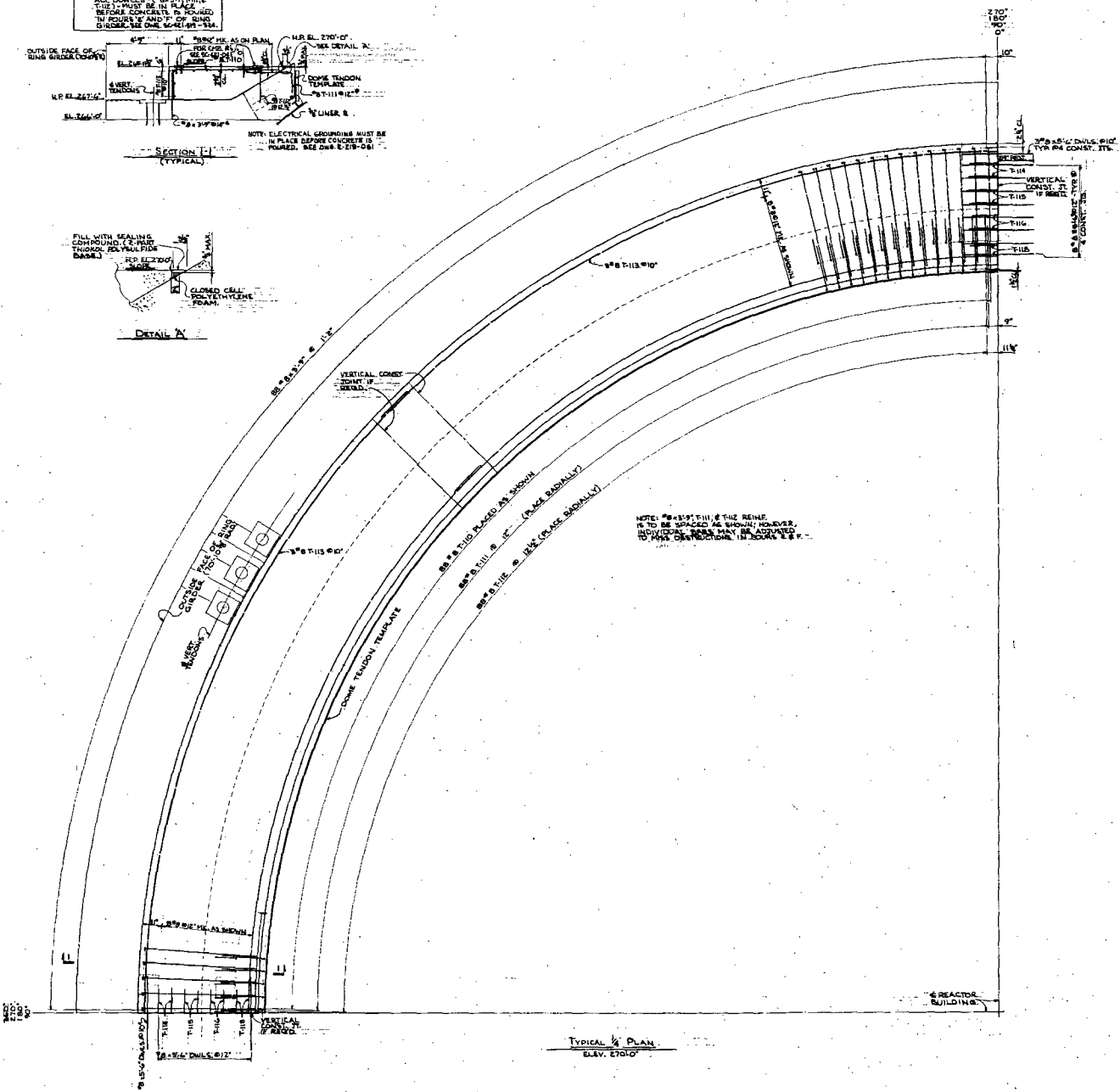
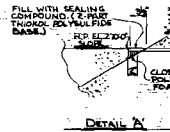




SPECIAL NOTE:  
ALL DOWELS (1/2" DIA. TIE BARS) MUST BE IN PLACE BEFORE CONCRETE IS POURED IN SQUARE AND 7" OF RING GUIDELINE ONE EACH SIDE.



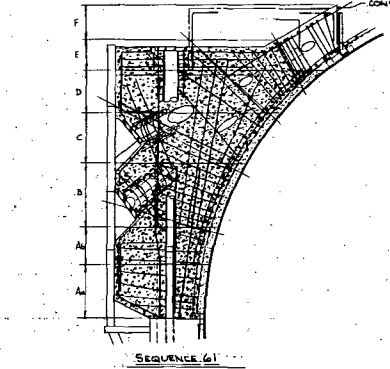
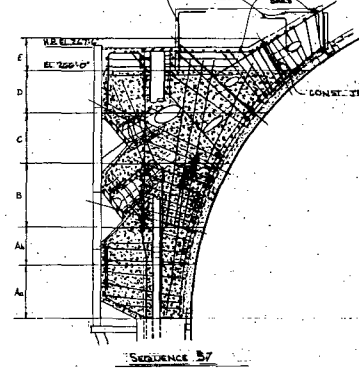
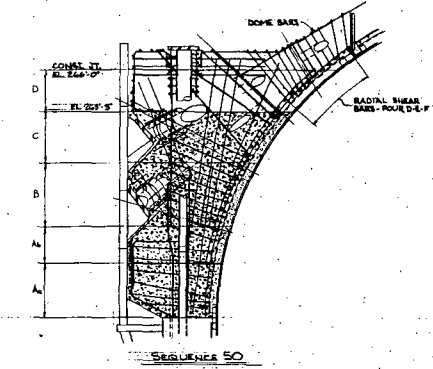
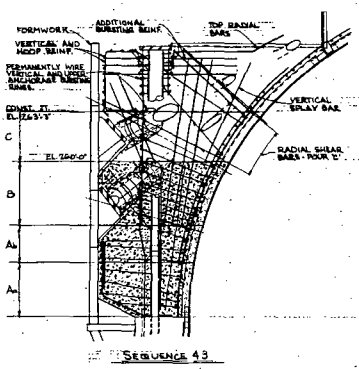
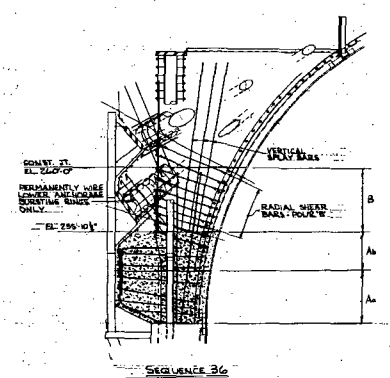
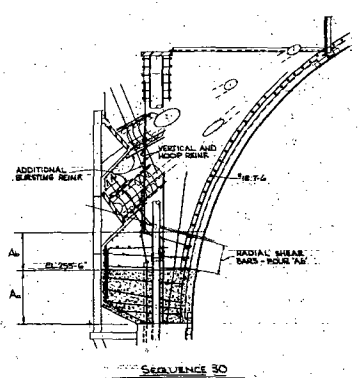
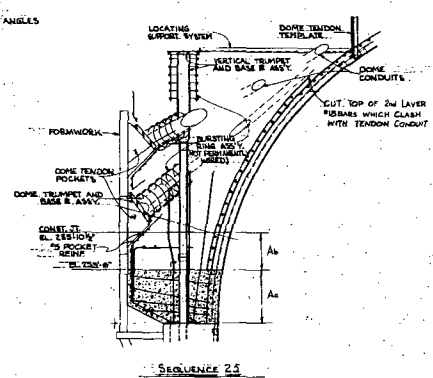
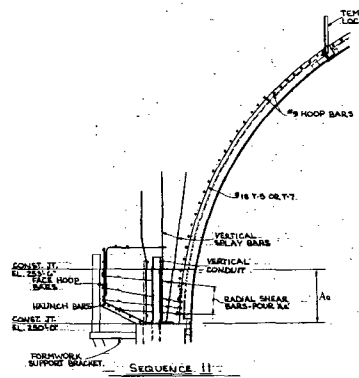
NOTE: ELECTRICAL GROUNDING MUST BE IN PLACE BEFORE CONCRETE IS POURED. SEE DWG E-219-081.



NOTE: #3-1/2\"/>

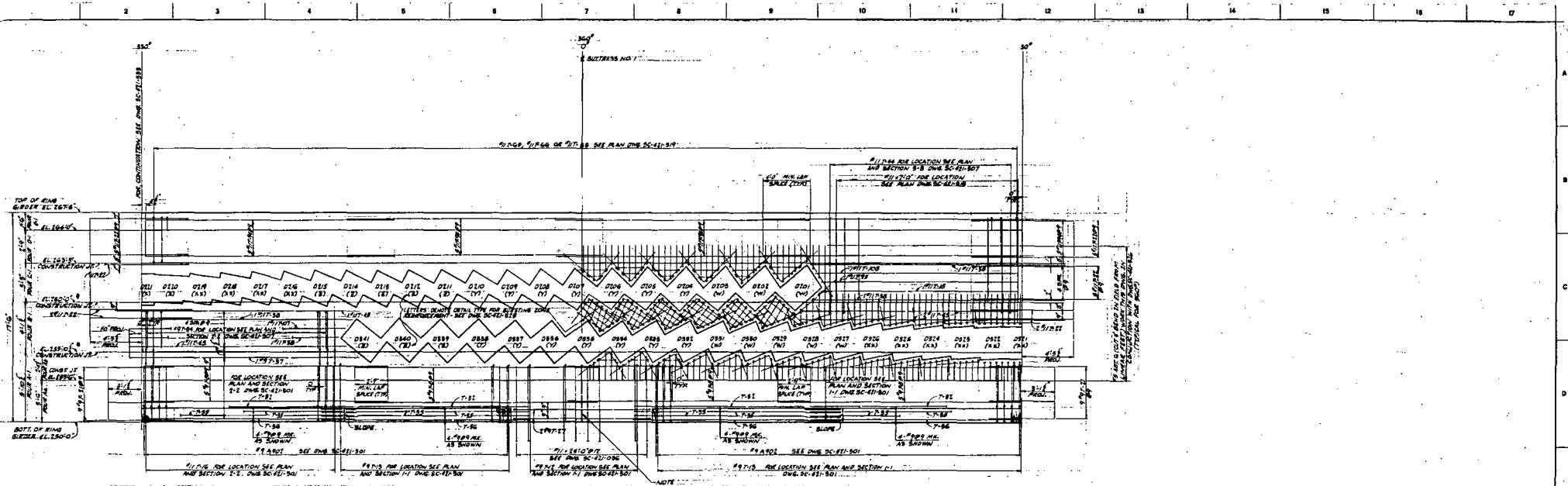
- FOR GENERAL NOTES AND REFERENCES SEE DWG. SC-421-00.
- REFERENCES:
- SC-421-004 REACTOR BLDG. - 8\"/>
  - SC-421-002 REACTOR BLDG. - 8\"/>
  - SC-421-018 FOR SC-421-004 REACTOR BLDG. - 8\"/>
  - SC-421-040-G REINFORCEMENT LIST

FIELD CHANGE NO. 73 ADDED REQUIREMENTS FOR FIELD LOCATING VERTICAL CORNER JOINTS		DATE: 11/18/67	BY: [Signature]
<b>FLORIDA POWER CORPORATION</b>			
TO: VEROBEACH, FLORIDA			
CRYSTAL RIVER PLANT			
UNIT NO. 3		833,000 KW	
REACTOR BUILDING			
RING GIRDER			
TOP PLAN - ELEVATION 270'-0"			
DESIGNED BY	CHECKED BY	APPROVED BY	DATE
DAWSON ASSOCIATES, INC.	[Signature]	[Signature]	11/18/67
LIMITED CONSTRUCTION AS NOTED		FOR CONSTRUCTION BY	
PRELIMINARY NOT FOR CONSTRUCTION		FIELD OFFICE CONSTRUCTION	
ISSUED FOR PURPOSES ONLY		[Signature]	
DATE	RELEASED FOR	SERIAL	NO. OF SHEETS
		1001	10
			SC-421-334



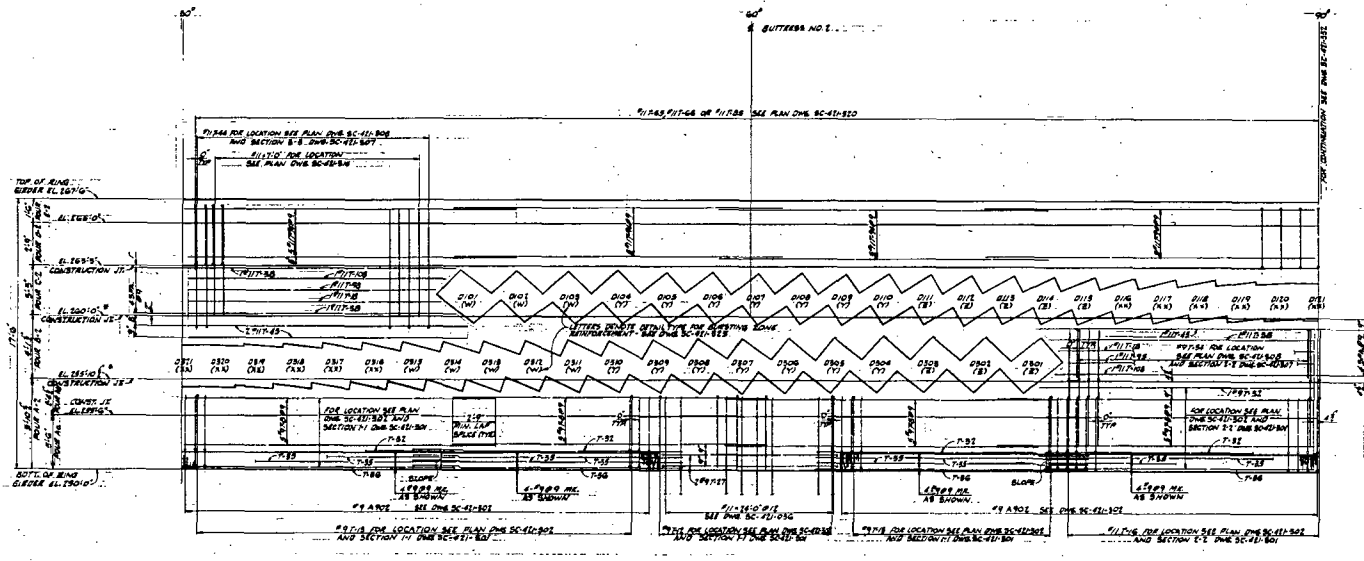
NOTE:  
1. SEE DRAWING TO BE MADE IN CONNECTION WITH "REINFORCEMENT OF SUBSTITUTION" DATED DEC. 28, 1972

DATE: UPDATED TO REFLECT THE REVISED SPECIFICATIONS AND CONSTRUCTION DOCUMENT REVISIONS SUBMITTED		BY: [Signature]	DATE: [Date]
<b>FLORIDA POWER CORPORATION</b>			
ET. INTERNAL, FLORIDA			
CRYSTAL RIVER PLANT			
UNIT NO. 3 250,000 KW			
GENERAL CONTRACTOR			
FOR CONSTRUCTION BY			
GHEMET ASSOCIATES, INC.		APPROVED	
MEMPHIS, TENNESSEE		FOR CONSTRUCTION BY	
LIMITED LIABILITY		FLORIDA POWER CORPORATION	
FOR CONSTRUCTION		[Signature]	
DATE: 4/20/73	BY: [Signature]	DATE: 4/20/73	BY: [Signature]
NO. 4203	E-421-335	1	SC-421-335
SCALE: 1/4" = 1'-0"	DATE: 4/20/73	BY: [Signature]	DATE: 4/20/73



STRETCHOUT 30° TO 30°  
OUTSIDE FACE REINFORCING

CONSTRUCTION JOINTS MAY BE ADJUSTED 2" IN LEVEL LOCAL TO TENSION ANCHORAGE BASE PLATES.



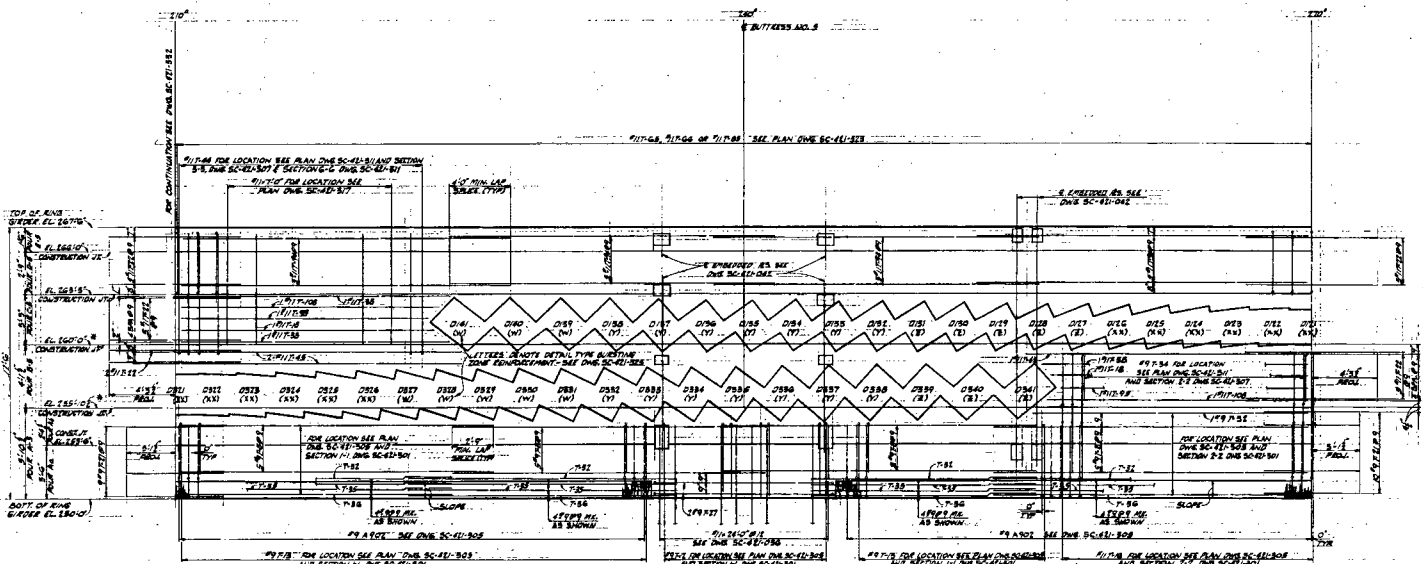
STRETCHOUT 30° TO 30°  
OUTSIDE FACE REINFORCING

- NOTES:
- FOR GENERAL NOTES SEE SHEET SC-41-20.
  - REFERENCES:
    - SC-41-22 STRUCTURE MAP TO 210'
    - SC-41-23 STRUCTURE MAP TO 230'
    - SC-41-24 REINFORCEMENT LIST (2-1) (2-2)
    - SC-41-25 REINFORCEMENT LIST (2-3) (2-4)
    - SC-41-26 REINFORCEMENT LIST (2-5) (2-6)
    - SC-41-27 REINFORCEMENT LIST (2-7) (2-8)
    - SC-41-28 FOR OTHER REINFORCEMENT

FIELD CHANGE NO. 75702, ADDED NOTE # 2 AND 3		DATE	12/11/57
DESIGNED BY FIELD CONSTRUCTION JOINTS		SCALE	AS SHOWN
CHECKED BY FIELD CONSTRUCTION JOINTS		NO.	11
<b>FLORIDA POWER CORPORATION</b>			
81 PENNINGTON, FLORIDA			
CRYSTAL RIVER PLANT			
UNIT NO. 1	851,000 KW		
REACTOR BUILDING			
RING GIRDS			
STRETCHOUT OF R.F. 320' TO 90'			
APPROVED FOR CONSTRUCTION BY		APPROVED FOR CONSTRUCTION BY	
GRIFFIN ASSOCIATES, INC.		GRIFFIN ASSOCIATES, INC.	
DATE		DATE	
12/11/57		12/11/57	
4203		E-421-331	
SC-421-331		SC-421-331	

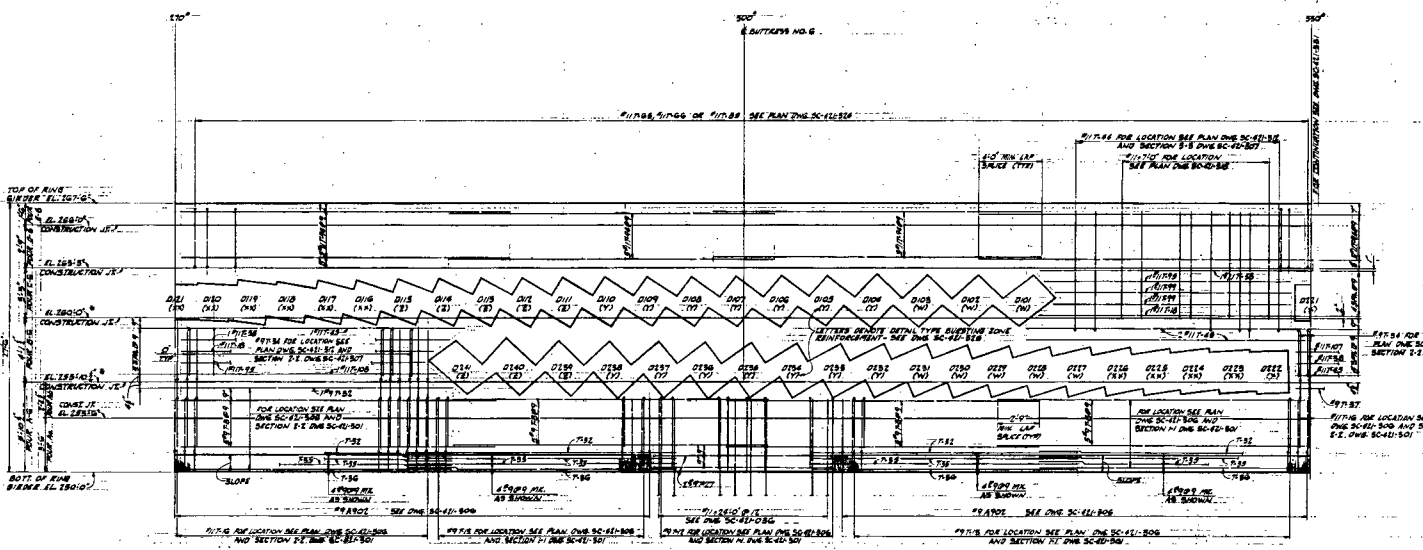
CONSTRUCTION	AS NOTED
LIMITED CONSTRUCTION	AS NOTED
PRELIMINARY NOT FOR CONSTRUCTION	
DESIGN PURPOSES ONLY	
DATE	RELEASED FOR
	ENGINEER

E-10-5 D



STRETCHOUT 210 TO 270  
OUTSIDE FACE REINFORCING

CONSTRUCTION JOINTS MAY BE ADJUSTED TO  
IN LEVEL LOCAL REINFORCING ANCHORAGE  
BASE PLATES



STRETCHOUT 270 TO 330  
OUTSIDE FACE REINFORCING

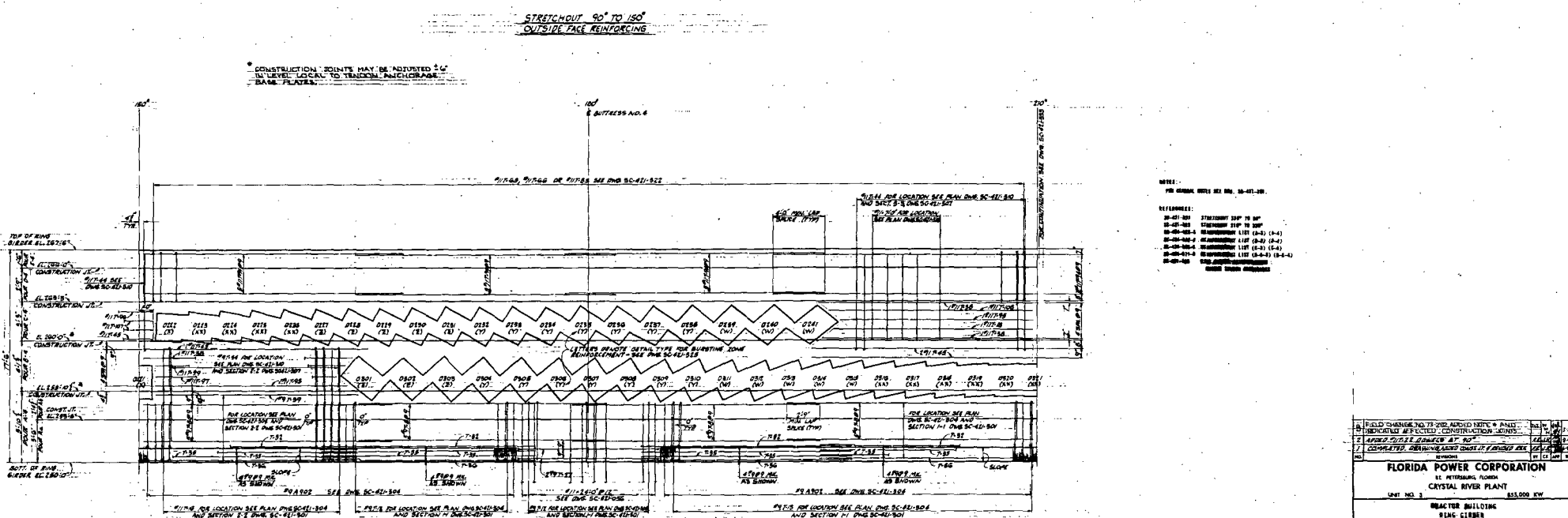
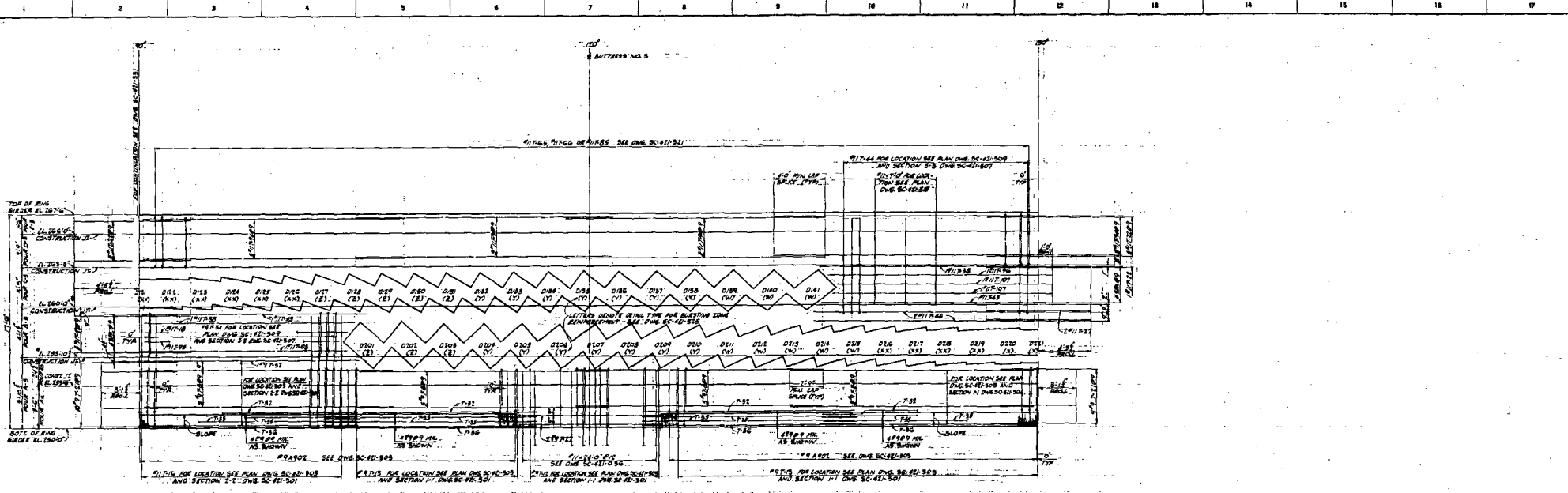
- NOTES:  
FOR GENERAL NOTES SEE SHEET SC-41-01.
- REFERENCES:  
SC-41-01 CONCRETE WORK TO BE  
SC-41-02 REINFORCING UP TO BE  
SC-41-03 & 4 IN CONCRETE LIST (2-4) (2-4)  
SC-41-04 & 5 IN CONCRETE LIST (2-4) (2-4)  
SC-41-05 & 6 IN CONCRETE LIST (2-4) (2-4)  
SC-41-07 & 8 IN CONCRETE LIST (2-4) (2-4)  
SC-41-09 & 10 IN CONCRETE LIST (2-4) (2-4)

1	FIELD CHANGE NO. 75-202	ADDED NOTES	REVISION
2	COMPLETED DRAWING	ADDED COMMENTS	REVISION
3	DATE	BY	CHK

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 825,000 KW

REACTOR BUILDING  
 ELEC. ELEC. 18

DESIGNED BY	DATE	REVISIONS	APPROVED FOR CONSTRUCTION BY
CONSTRUCTION	LIMITED CONSTRUCTION AS NOTED	PRELIMINARY NOT FOR CONSTRUCTION PURPOSES ONLY	<input checked="" type="checkbox"/>
DATE	RELEASED FOR	EMSA	
NO.	4803	E-481-333	2 SC-421-333
SCALE	AS SHOWN	SEE DRAWING	SEE DRAWING



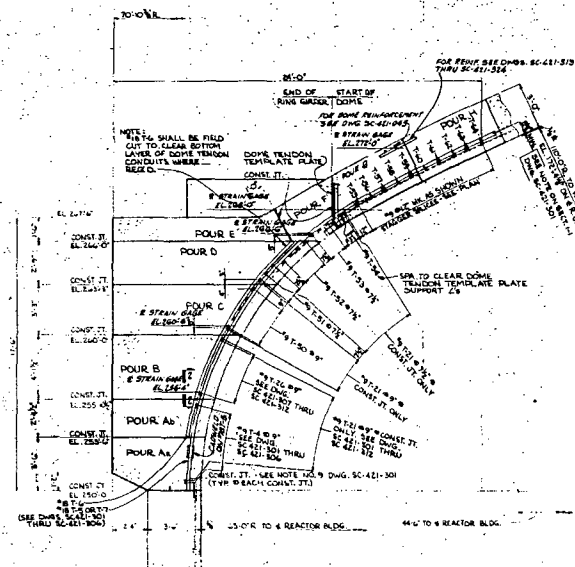
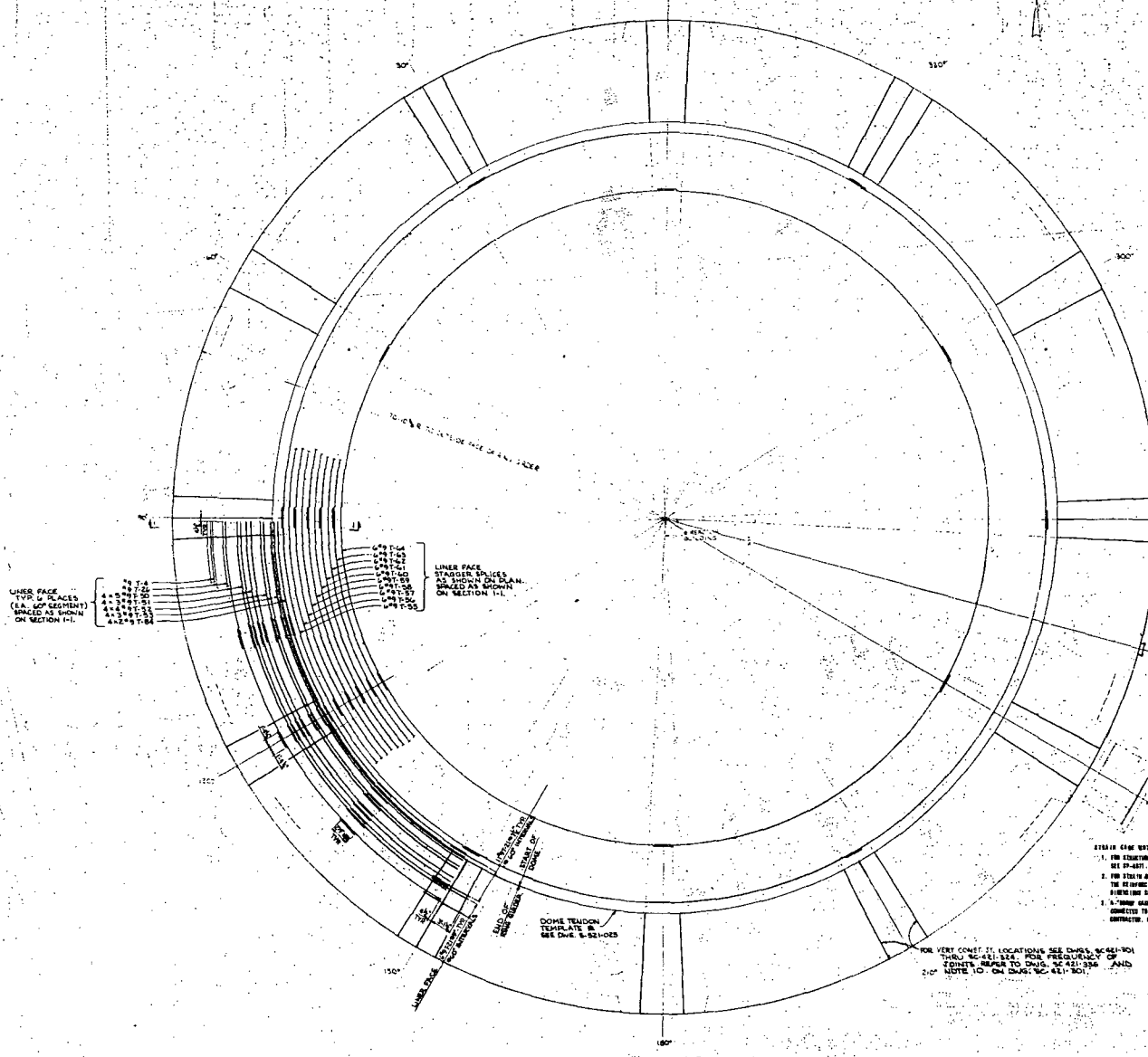
- REVISIONS:
- 00-01-001 STRUCTURE 200' TO 200'
  - 00-01-002 STRUCTURE 210' TO 200'
  - 00-01-003 REINFORCEMENT LIST (0-3) (0-4)
  - 00-01-004 REINFORCEMENT LIST (0-3) (0-4)
  - 00-01-005 REINFORCEMENT LIST (0-3) (0-4)
  - 00-01-006 REINFORCEMENT LIST (0-3) (0-4)
  - 00-01-007 REINFORCEMENT LIST (0-3) (0-4)
  - 00-01-008 REINFORCEMENT LIST (0-3) (0-4)

FIELD CHANGES TO THIS DRAWING SHALL BE INDICATED BY A RED "X" IN THE MARGINS OF THIS DRAWING.

FLORIDA POWER CORPORATION  
 AT HYDROGEN PLANT  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 855,000 KW  
 REACTOR BUILDING  
 REINFORCEMENT  
 STRETCHOUT OF 90° TO 210°

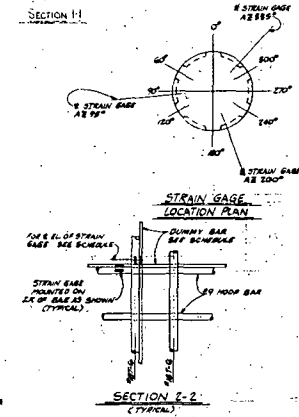
DATE	RELEASED FOR	ENGR.	4203	E-421-332	3	SC-421-332
CONSTRUCTION		LIMITED CONSTRUCTION AS NOTED		PRELIMINARY NOT FOR CONSTRUCTION		DRAWING PURPOSES ONLY
SHEET ASSOCIATES, INC. APPROVED FOR CONSTRUCTION BY PROJECT ENGINEER PROJECT NO. 4203 E-421-332 3 SC-421-332 SCALE: 1/4" = 1'-0" DRAWING NO. 10-10-10						





**STRAIN GAGE LOCATION SCHEDULE**

STRAIN GAGE	LOCATION	DOWN TO THE NEAREST STRAIN GAGE	SECTION NO.
MSB	100° 180° 10'	100° 180°	MSB
MSA	100° 180° 10'	100° 180°	MSA
MSD	100° 180° 10'	100° 180°	MSD
MSG	100° 180° 10'	100° 180°	MSG
MSE	100° 180° 10'	100° 180°	MSE
MSF	100° 180° 10'	100° 180°	MSF
MSG	100° 180° 10'	100° 180°	MSG
MSH	100° 180° 10'	100° 180°	MSH
MSI	100° 180° 10'	100° 180°	MSI
MSJ	100° 180° 10'	100° 180°	MSJ
MSK	100° 180° 10'	100° 180°	MSK
MSL	100° 180° 10'	100° 180°	MSL
MSM	100° 180° 10'	100° 180°	MSM
MSN	100° 180° 10'	100° 180°	MSN
MSO	100° 180° 10'	100° 180°	MSO
MS1	100° 180° 10'	100° 180°	MS1
MS2	100° 180° 10'	100° 180°	MS2
MS3	100° 180° 10'	100° 180°	MS3
MS4	100° 180° 10'	100° 180°	MS4
MS5	100° 180° 10'	100° 180°	MS5
MS6	100° 180° 10'	100° 180°	MS6
MS7	100° 180° 10'	100° 180°	MS7
MS8	100° 180° 10'	100° 180°	MS8
MS9	100° 180° 10'	100° 180°	MS9
MS10	100° 180° 10'	100° 180°	MS10
MS11	100° 180° 10'	100° 180°	MS11
MS12	100° 180° 10'	100° 180°	MS12
MS13	100° 180° 10'	100° 180°	MS13
MS14	100° 180° 10'	100° 180°	MS14
MS15	100° 180° 10'	100° 180°	MS15
MS16	100° 180° 10'	100° 180°	MS16
MS17	100° 180° 10'	100° 180°	MS17
MS18	100° 180° 10'	100° 180°	MS18
MS19	100° 180° 10'	100° 180°	MS19
MS20	100° 180° 10'	100° 180°	MS20



- STRAIN GAGE NOTES:**
- FOR ADDITIONAL INTERESTING TESTING AND STRAIN GAGE SPECIFICATIONS SEE SP-4877.
  - FOR STRAIN GAGE LOCATIONS SEE ONLY DRAWING. IF THE LOCATION OF THE REINFORCING BARS VARY FROM THE LOCATING NUMBER, AS SHOWN HEREIN THIS SHALL BE NOTED BY THE I. I. CONSTRUCTION.
  - A "TYPING MIST" OR "SLIP" OR AN OMISSION IN SPECIFIC BARS IS CONNECTED TO A 40 AND 31" LONG, SUPPLIED BY THE I. I. CONSTRUCTION. LOCATED REINFORCING BARS SHALL BE EACH STRAIN GAGE.
  - STRAIN GAGES ARE NUMBERED FROM 001 TO 200 IN ORDER OF READ. "00" INDICATES A STRAIN GAGE MOUNTED IN THE HOOP DIRECTION. "10" INDICATES A STRAIN GAGE MOUNTED IN THE MERIDIONAL DIRECTION. "20" INDICATES A "TYPING MIST" OR "SLIP" OR AN OMISSION IN SPECIFIC BARS IS CONNECTED TO A 40 AND 31" LONG, SUPPLIED BY THE I. I. CONSTRUCTION. LOCATED REINFORCING BARS SHALL BE EACH STRAIN GAGE.

REFERENCES:  
 SC-421-308 THRU SC-421-310 RING GIRDER - FROM "A" & "B"  
 SC-421-311 THRU SC-421-313 RING GIRDER - FROM "A"  
 SC-421-314 REINFORCING BARS - FROM "A"  
 SC-421-315 REINFORCING BARS - FROM "A"

3	CHANGE DWG. REFERENCE NO. IN NOTE	1	1/1	1/1
4	FIELD CHANGE NO. 21 - THE ENDED REQUIREMENTS FOR THE	1	1/1	1/1
5	ADDED CONCRETE REINFORCING BARS IN THE	1	1/1	1/1
6	STRAIN GAGE LOCATION SCHEDULE & SECTION I-1	1	1/1	1/1

**FLORIDA POWER CORPORATION**  
 RE. REINFORCING BARS  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 REACTOR BUILDING  
 PLACING ARRANGEMENT OF REINFORCING BARS ON INSIDE FACE OF RING GIRDER

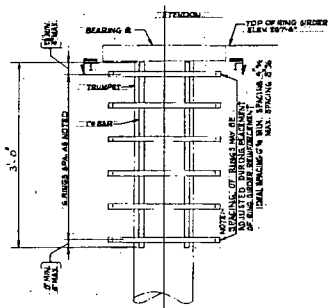
**APPROVED**  
 FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION

CONSTRUCTION AS NOTED  
 PRELIMINARY NOT FOR CONSTRUCTION  
 SECOND PURPOSES ONLY

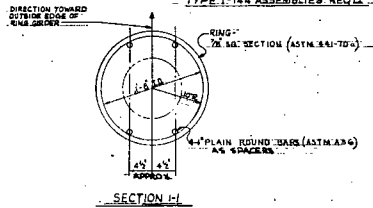
DATE: 4-20-63  
 DRAWING NO.: E-421-330  
 SHEET NO.: 3  
 TOTAL SHEETS: 3

PLAN - RING GIRDER

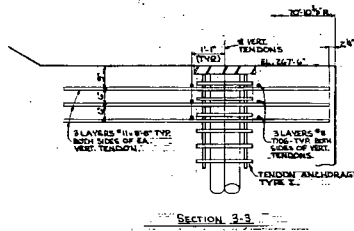
FOR GENERAL NOTES AND REFERENCES SEE DRAWING SC-421-301



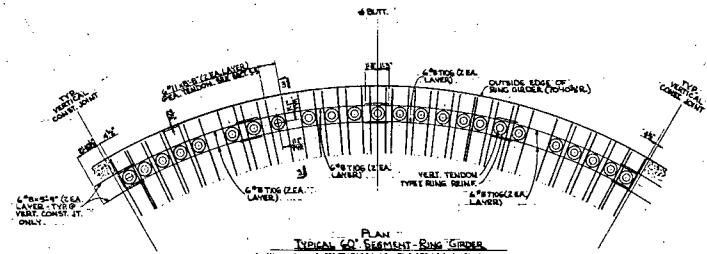
ELEVATION-TYPICAL VERTICAL TENDON ANCHORAGE  
TYPE I - 144 ASSEMBLIES REQ'D



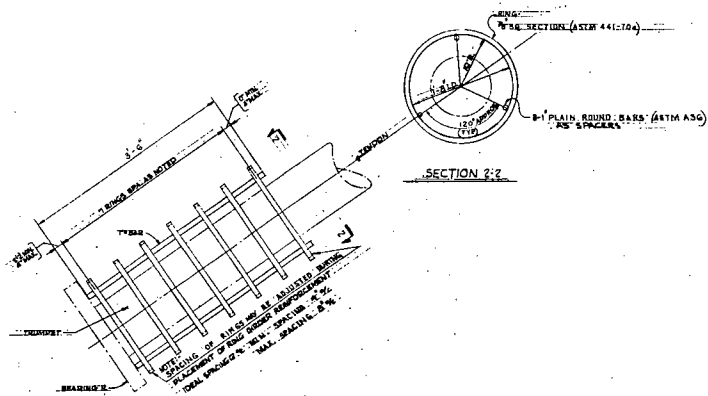
SECTION I-I



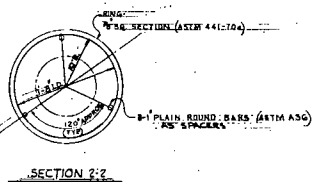
SECTION 3-3



PLAN  
TYPICAL 60\"/>



ELEVATION-TYPICAL DOME TENDON ANCHORAGE  
TYPE II - 246 ASSEMBLIES REQ'D



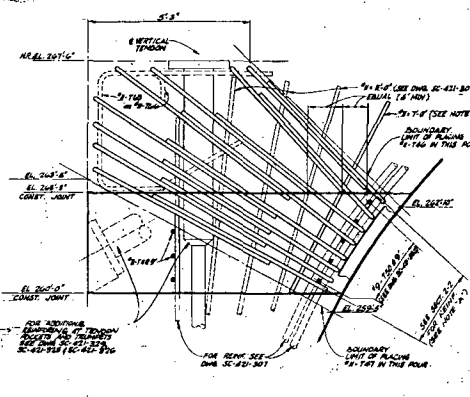
SECTION 2-2

- NOTES:
1. FOR REBAR SIZE & SPACING SEE DET. SC-411-01.
  2. FOR REBAR DEVELOPMENT ANCHOR TENDING SEE DET. SC-411-02.
  3. FOR LABELING OF REBAR TENDING ANCHORS, SEE DET. SC-411-03A, 1000 SC-411-03B.
  4. FOR LABELING OF TENDON TENDING ANCHORS, SEE DET. SC-411-04.

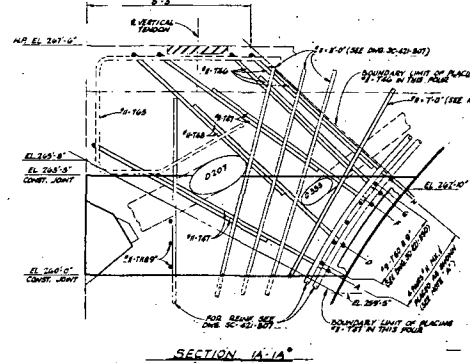
- REFERENCES:
- SC-436-00-1 REINFORCEMENT LIST
  - SC-436-00-1-1 REINFORCEMENT LIST
  - SC-411-02-1 FOR CONCRETE TYP. DETAILS OF REBAR ANCHOR TENDING ANCHORS.
  - SC-436-00-0 REINFORCEMENT LIST

FIELD CHANGE NO. 73-227 REVISED AS INDICATED IN (3 PLACES)		DATE	BY
<b>FLORIDA POWER CORPORATION</b> 15 PETROSIM, FLORIDA CRYSTAL RIVER PLANT UNIT NO. 3 855,000 KW		APPROVED	DATE
REACTOR CONTAINMENT - 6126000000 ANCHORAGE OF REINFORCED CONCRETE IMPROVEMENT REBAR - TENDING ANCHORS		GILBERT ASSOCIATES, INC. ENGINEERS AND ARCHITECTS	APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION <i>[Signature]</i>

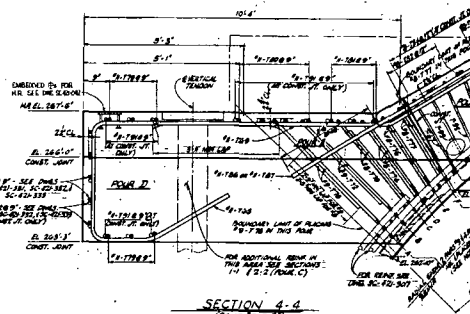
CONSTRUCTION LIMITED CONSTRUCTION, AS NOTED PRELIMINARY NOT FOR CONSTRUCTION RECORD PURPOSES ONLY	DATE 4/20/81	SCALE 1/4" = 1'-0"	SHEET NO. 4203	PROJECT NO. E-421-329	DRAWING NO. SC-421-329
RELEASED FOR CONSTRUCTION	DATE 4/20/81	SCALE 1/4" = 1'-0"	SHEET NO. 4203	PROJECT NO. E-421-329	DRAWING NO. SC-421-329



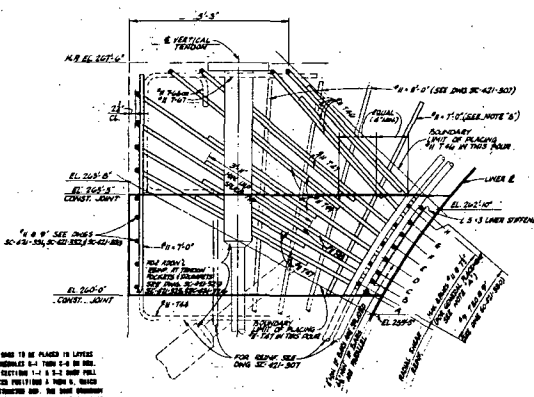
SECTION 1-1  
(POUR 'C')



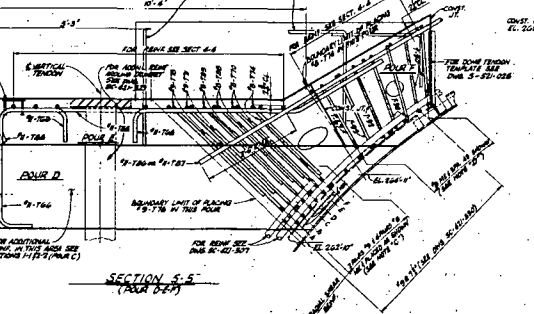
SECTION 1-1A  
(POUR 'C')



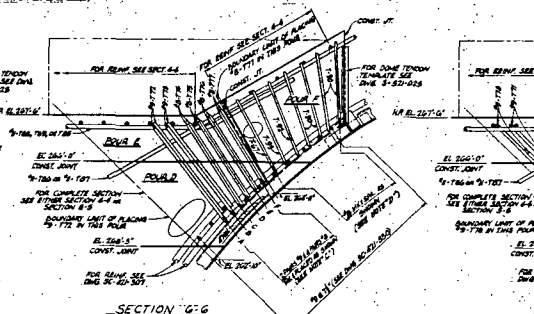
SECTION 4-4  
(POUR 'D-E-F')



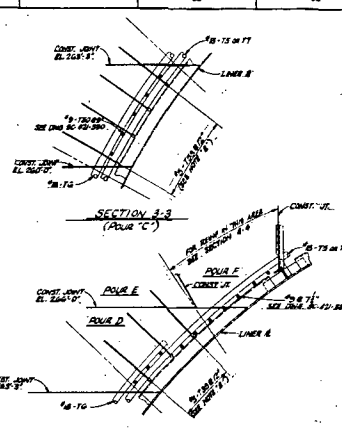
SECTION 2-2  
(POUR 'C')



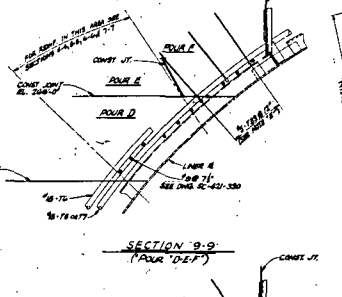
SECTION 5-5  
(POUR 'D-E-F')



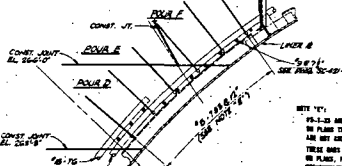
SECTION 6-6  
(POUR 'D-E-F')



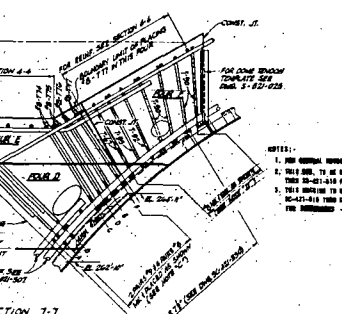
SECTION 3-3  
(POUR 'C')



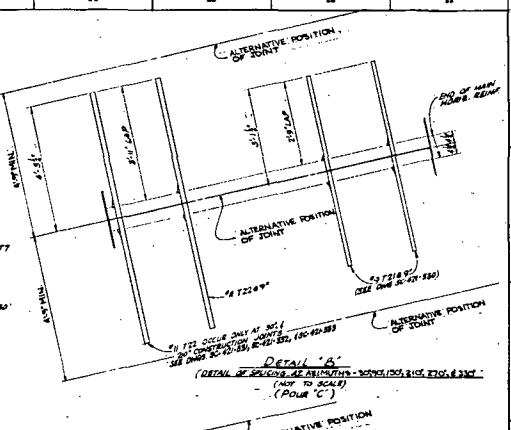
SECTION 8-8  
(POUR 'D-E-F')



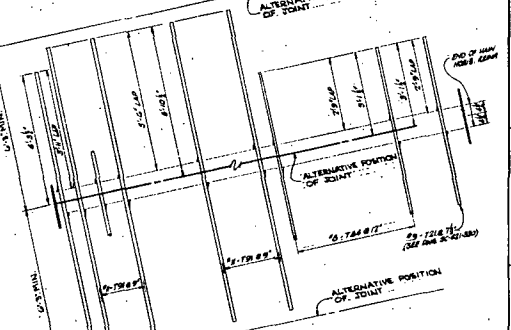
SECTION 9-9  
(POUR 'D-E-F')



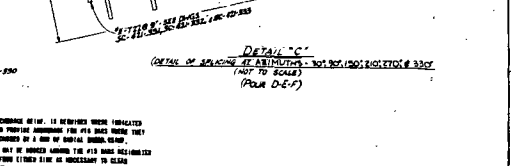
SECTION 10-10  
(POUR 'D-E-F')



DETAIL 'A'  
(DETAIL OF JOINTS - ALTERNATIVE POSITION OF JOINT - NOT TO SCALE)  
(POUR 'C')



DETAIL 'B'  
(DETAIL OF JOINTS - ALTERNATIVE POSITION OF JOINT - NOT TO SCALE)  
(POUR 'D-E-F')



DETAIL 'C'  
(DETAIL OF JOINTS - ALTERNATIVE POSITION OF JOINT - NOT TO SCALE)  
(POUR 'D-E-F')

NOTE 'A':  
REINFORCEMENT SHALL BE PLACED IN LAYERS AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED IN LAYERS AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED IN LAYERS AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

NOTE 'B':  
REINFORCEMENT SHALL BE PLACED ONLY AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED ONLY AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED ONLY AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

NOTE 'C':  
THIS SECTION IS SPECIFICALLY FOR THE 10'-0" DIA. VERTICAL TENDON. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

NOTE 'D':  
REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

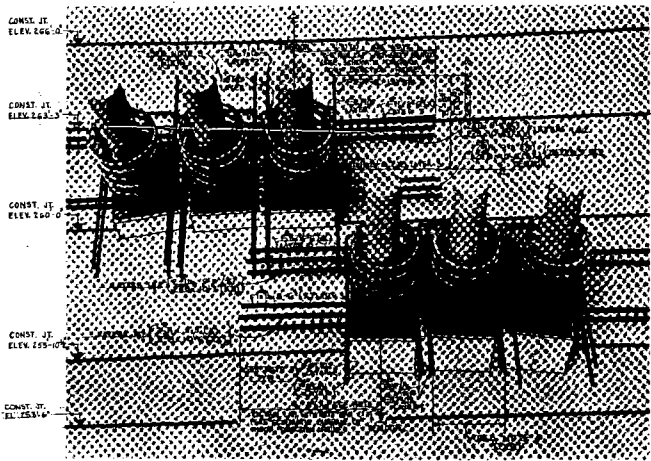
NOTE 'E':  
REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

NOTE 'F':  
REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED. REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

- REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.
- REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.
- REINFORCEMENT SHALL BE PLACED AS SHOWN IN THIS SECTION UNLESS OTHERWISE NOTED.

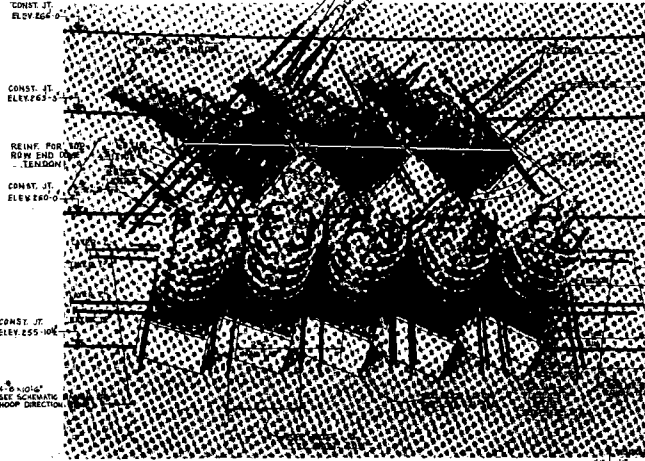
<b>FLORIDA POWER CORPORATION</b> REACTOR BUILDINGS 4306 GENERATOR	
SHEET NO. 3 655,000 KW	REACTOR BUILDINGS 4306 GENERATOR SECTIONS & DETAILS - POOR C & POUR D-E-F
DESIGNED BY CHECKED BY DATE	DRAWN BY DATE
APPROVED FOR CONSTRUCTION BY TITLE	APPROVED FOR CONSTRUCTION BY TITLE
3 SC-421-328	3 SC-421-328

LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION REVISIONS DATE RELEASED FOR	3 SC-421-328
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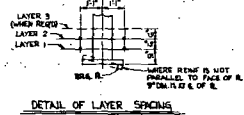


**TYPE X 4XX**

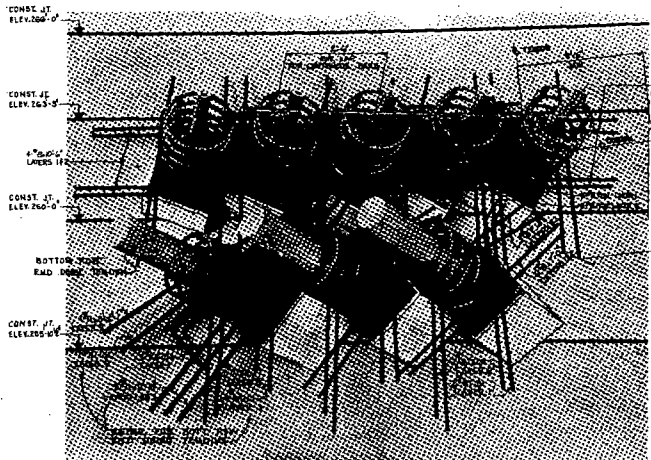
NOTE: REINF. NOT INDICATED (A) OR (AA) IS TYPICAL FOR BOTH TYPES. TYPING OCCURS AT END SOME TENDON, TOP & BOTTOM ROW.  
 TYPE (AA) OCCURS AT SINGLE CONTINUOUS ROW OF SOME TENDONS, TOP OR BOTTOM ROW.



**TYPE W**



**DETAIL OF LAYER SPACING**

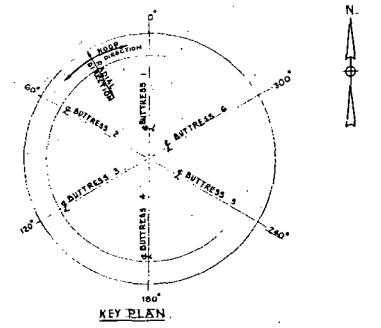


**TYPE Z**

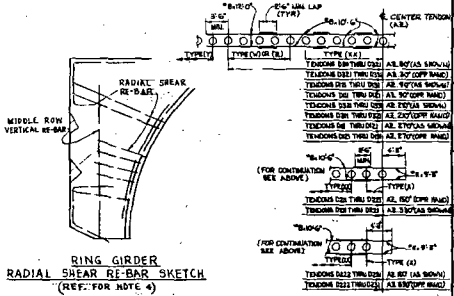


**TYPE Y**

- NOTE:
1. ALL REIN. TO EXTEND 41-2" DIA. BEYOND CENTER LINE OF ANY TENDON.
  2. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  3. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  4. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  5. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  6. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  7. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  8. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  9. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.
  10. ALL REIN. TO EXTEND 2'-0" DIA. BEYOND CENTER LINE OF ANY TENDON.



**KEY PLAN**



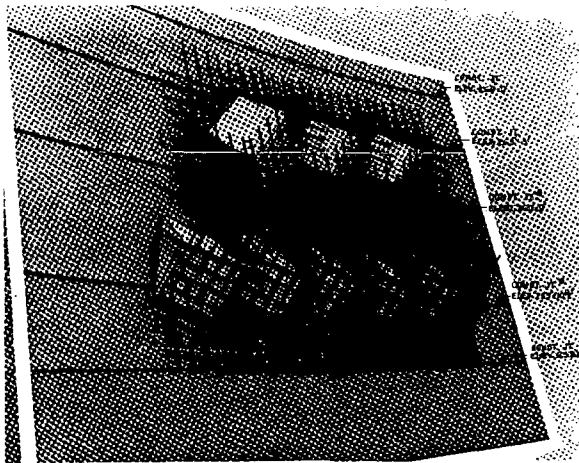
**RING GIRDER RADIAL SHEAR RE-BAR SKETCH (REF. FOR NOTE 4)**

**SCHEMATIC DIAGRAMS FOR CONTINUOUS HOOP DIRECTION REINFORCEMENT**

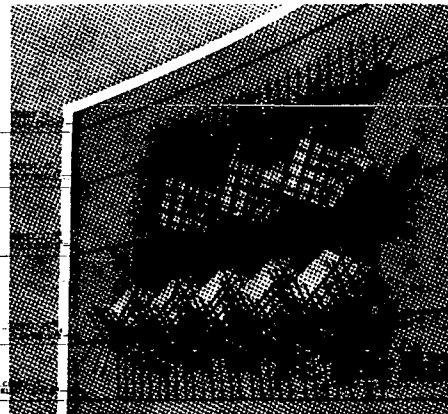
- GENERAL NOTES (CONTINUED):
1. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  2. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  3. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  4. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  5. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  6. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  7. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  8. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  9. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.
  10. THE GENERAL NOTES AND REFERENCES ARE THE SAME AS IN THE PREVIOUS SET OF DRAWINGS.

REFERENCES:  
 25-40-20-4 REINFORCEMENT LIST

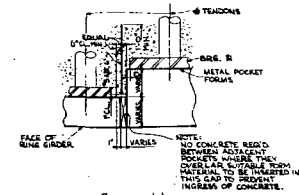
FIELD CHANGE NO. 73-202 (APPROVED DATE 9 FEB 1974)		DATE	BY
APPROVED FOR CONSTRUCTION BY		DATE	BY
<b>FLORIDA POWER CORPORATION</b>			
AT PLYMOUTH, FLORIDA			
UNIT NO. 2 - 25000 KW			
REACTOR BUILDING - RING GIRDER			
ARRANGEMENT OF BURSTING REINFORCEMENT			
AROUND TENDON ARCHBRACES			
CONSTRUCTION	DESIGN ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY	
LIMITED CONSTRUCTION AS NOTED	1501 W. U.S. 90, SUITE 500, TAMPA, FL 33606	FLORIDA POWER CORPORATION	
PROHIBITED FOR CONSTRUCTION	DATE: 11/15/73	DATE: 11/15/73	
REVISIONS FOR CONSTRUCTION	REVISIONS FOR CONSTRUCTION	REVISIONS FOR CONSTRUCTION	
NONE	4203	E-481-288	1 SC-421-385
DATE	PREPARED FOR	DATE	DATE
11/15/73	FLORIDA POWER CORPORATION	11/15/73	11/15/73



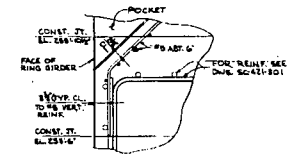
VIEW 'A'



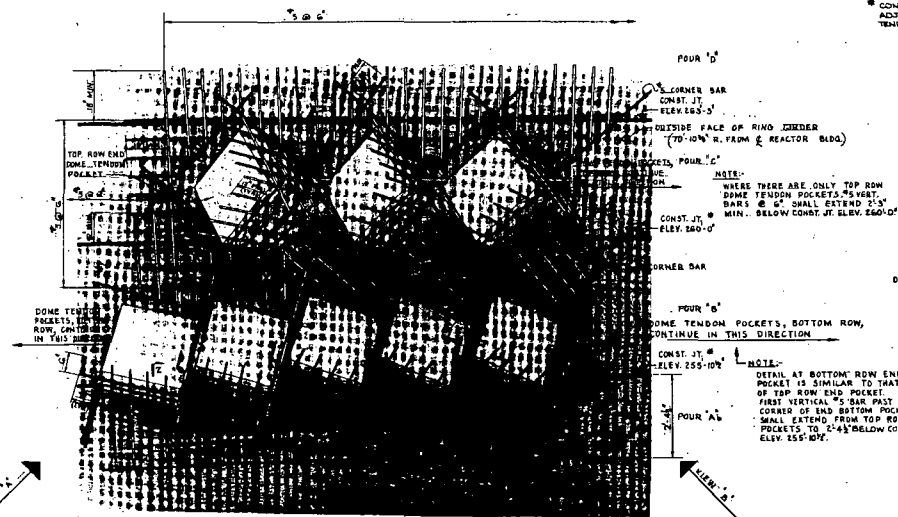
VIEW 'B'



SECTION 1-1  
NO SCALE



SECTION 2-2

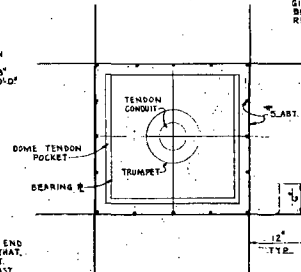


TYPICAL DETAIL  
MODEL TYPE 'A'  
(REINFORCEMENT AROUND DOME TENDON  
POCKETS THROUGHOUT 36 0')

\* REFERS TO MODEL AS  
DELIVERED TO FIELD.

\* CONSTRUCTION JOINTS MAY BE  
ADJUSTED ± 6" IN LEVEL LOCAL TO  
TENDON ANCHORAGE BASE PLATES.

NOTE:  
WHERE BARS REACH THE RING  
GIRDER OUTER FACE THEY SHALL  
BE BENT TO LIE ALONG THE  
RING GIRDER FACE.



VIEW ALONG CENTER LINE OF TENDON  
IDEAL SPACING OF RE-BAR AROUND POCKETS

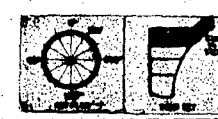
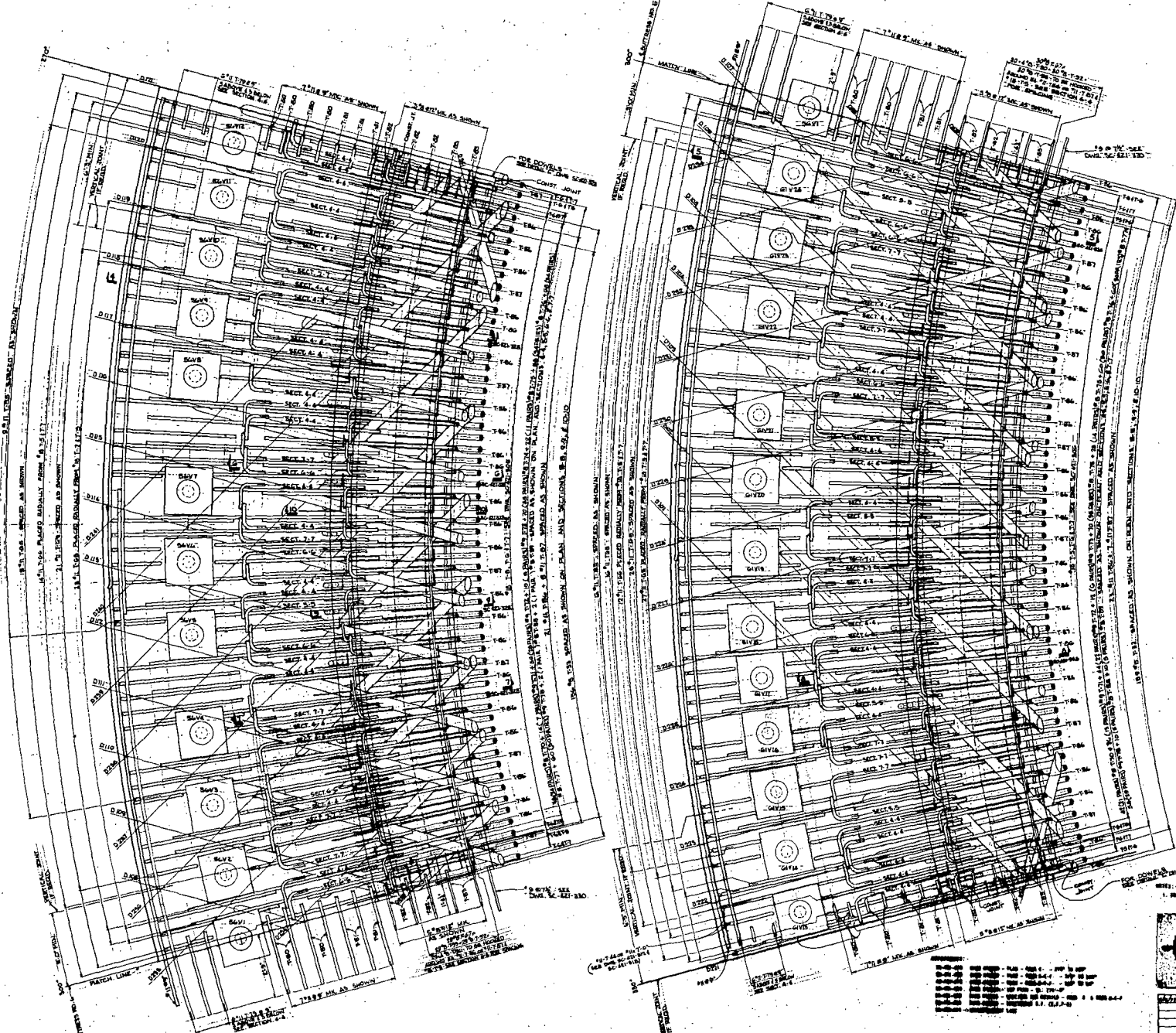
NOTE:  
BEND WHERE NECESSARY  
TO CLEAR OBSTRUCTION.

- NOTES:
1. FOR GENERAL BIDDING AND REFERENCES SEE DRAWINGS SC-421-324.
  2. THIS DRAWING IS TO BE USED IN CONNECTION WITH DRAWINGS SC-421-325, SC-421-326, AND SC-421-327 THROUGH 332.
  3. ALL VIEWS ARE AS SHOWN UNLESS OTHERWISE SPECIFIED BY REVISIONS OR NOTES. (SEE CLARITY - SOME TENDON DRAWINGS IS NOT SHOWN.)
  4. ALL REINFORCEMENT SHOWN IN THIS DRAWING IS TO BE CUT AND BENT TO THE FIELD FROM LINEAL POKETS. LAPS OR BENDS MAY BE MADE WHERE NECESSARY - MINIMUM LAP = 18\"/>

REFERENCES:  
SC-424-314-0 REINFORCEMENT LIST

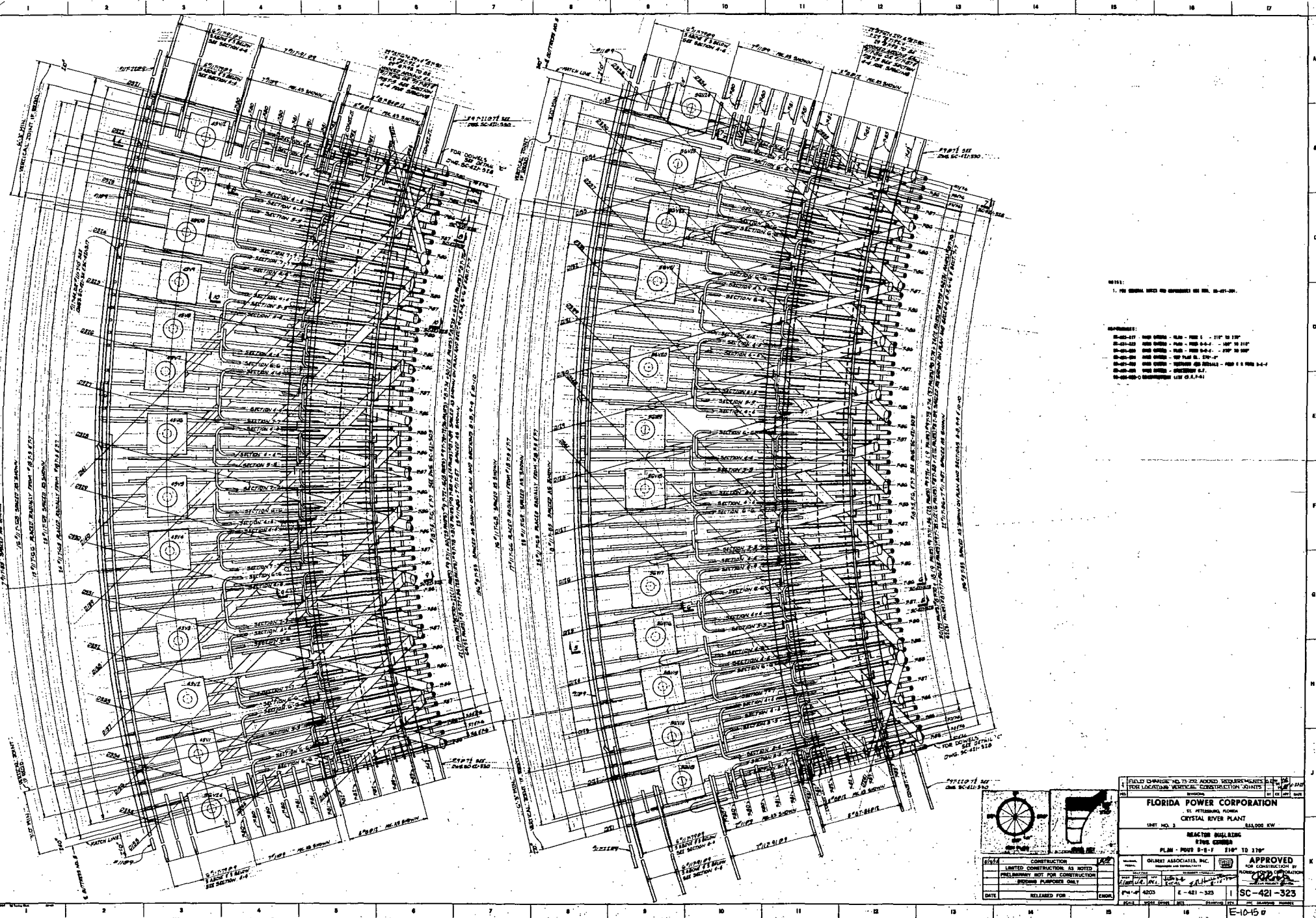
FIELD CHANGE NO. 73-232 NEED NOTE - NO INDICATED LISTED IS APPLICABLE, BLENDED TO NOTE A AND ADDENDUM 10.	
<b>FLORIDA POWER CORPORATION</b>	
FL. HYDROPOWER DIVISION CRYSTAL RIVER PLANT	
UNIT NO. 2 255,000 KW	
REACTOR BUILDING RING GIRDER	
TYPICAL DETAILS OF REINFORCEMENT AROUND TENDON POCKETS	
DESIGNED BY OLSBERT ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION

DATE	RELEASED FOR	ENGR.	SCALE	PROJECT NO.	SHEET NO.	TITLE
LIMITED CONSTRUCTION AS NOTED		PRELIMINARY NOT FOR CONSTRUCTION		BIDDING PURPOSES ONLY		
NO.	DATE	BY	DESCRIPTION			
4203	4-21-58			SC-421-326		



FIELD CHANGE NO. 3722 ADDED DIMENSIONS FOR RELOCATING VEGETATION, CONSTRUCTION JURISDICTION No. 3722 Revision	
<b>FLORIDA POWER CORPORATION</b> 15 WINDYBARK HONDA CRYSTAL RIVER PLANT UNIT NO. 3 855,000 KW	
<b>ASPECT ENGINEERING</b> 6100 CHERRY BLVD. - SUITE 100 TAMPA, FLORIDA 33611	
PROJECT: 4203 E-421-324 DATE: 11/15/77 DRAWN BY: [Signature] CHECKED BY: [Signature]	DESIGNED BY: [Signature] APPROVED FOR CONSTRUCTION BY: [Signature] APPROVED FOR NORMAL OPERATION BY: [Signature]
<b>SC-421-324</b> THE ENGINEERING	

1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN FEET AND INCHES.  
 2. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 3. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 4. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 5. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 6. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 7. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 8. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 9. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 10. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 11. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 12. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 13. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 14. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 15. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 16. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 17. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 18. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 19. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.  
 20. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.



REVISIONS:

- 1. FOR GENERAL NOTES AND DIMENSIONS SEE SHEET SC-421-323.

REFERENCES:

- SC-421-323 REVISIONS: 1. 11" TO 12"
- SC-421-323 REVISIONS: 2. 11" TO 12"
- SC-421-323 REVISIONS: 3. 11" TO 12"
- SC-421-323 REVISIONS: 4. 11" TO 12"
- SC-421-323 REVISIONS: 5. 11" TO 12"
- SC-421-323 REVISIONS: 6. 11" TO 12"
- SC-421-323 REVISIONS: 7. 11" TO 12"
- SC-421-323 REVISIONS: 8. 11" TO 12"
- SC-421-323 REVISIONS: 9. 11" TO 12"
- SC-421-323 REVISIONS: 10. 11" TO 12"
- SC-421-323 REVISIONS: 11. 11" TO 12"
- SC-421-323 REVISIONS: 12. 11" TO 12"
- SC-421-323 REVISIONS: 13. 11" TO 12"
- SC-421-323 REVISIONS: 14. 11" TO 12"
- SC-421-323 REVISIONS: 15. 11" TO 12"
- SC-421-323 REVISIONS: 16. 11" TO 12"
- SC-421-323 REVISIONS: 17. 11" TO 12"
- SC-421-323 REVISIONS: 18. 11" TO 12"
- SC-421-323 REVISIONS: 19. 11" TO 12"
- SC-421-323 REVISIONS: 20. 11" TO 12"



FIELD CHANGE NO. 1 TO THE ABOVE REQUIREMENTS AND TO THE LOCATION VERTICAL CONSTRUCTION JOINTS

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 855,000 KW

REACTOR BUILDING  
 8TH FLOOR  
 PLAN - POST 8'-8" x 21" TO 21"

DATE: \_\_\_\_\_ RELEASED FOR: \_\_\_\_\_

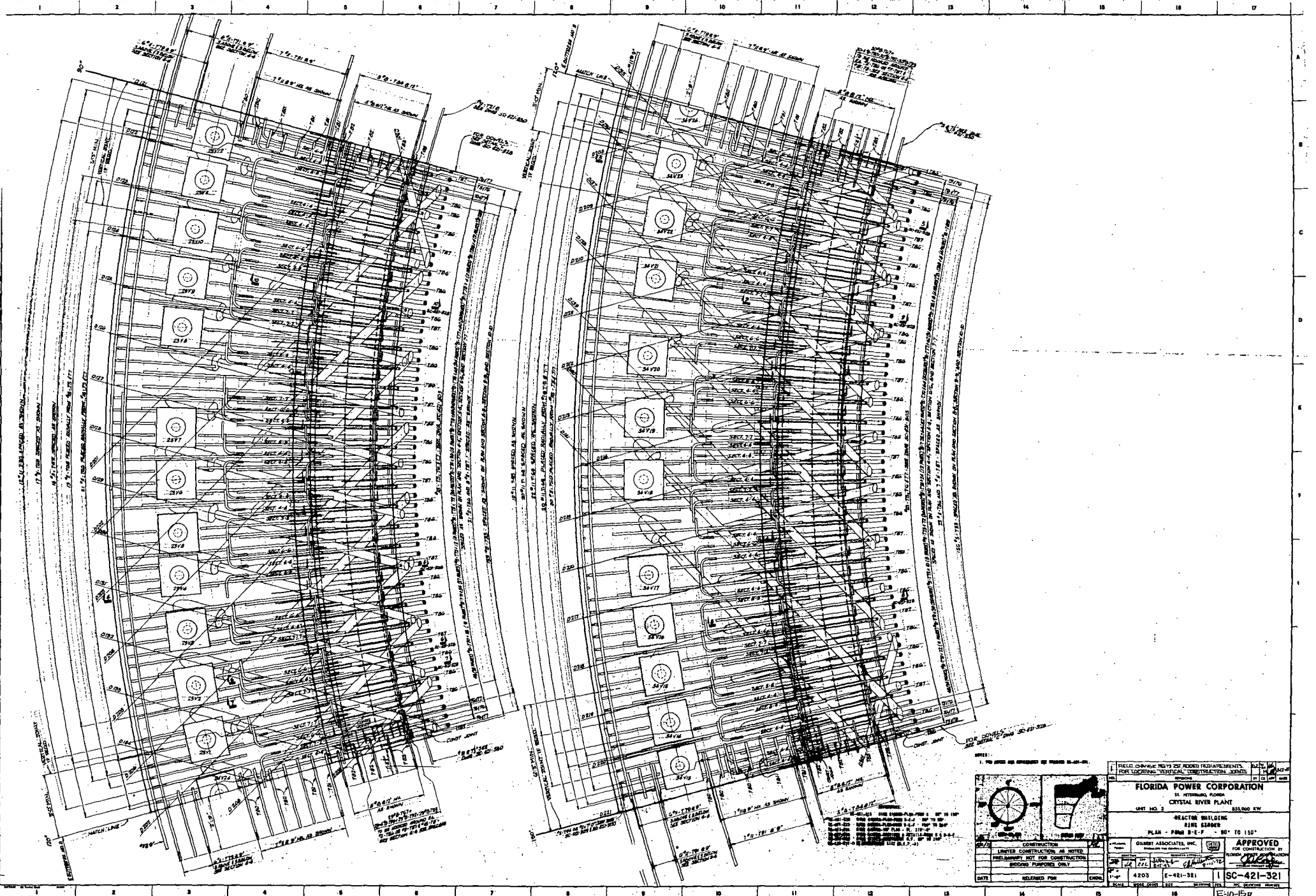
CONSTRUCTION LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION REVISIONS PLUMBERS ONLY

GILBERT ASSOCIATES, INC.  
 ENGINEERS AND ARCHITECTS  
 1100 N. W. 11th St., Ft. Lauderdale, Fla.  
 PHONE: 462-3333

**APPROVED**  
 FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION

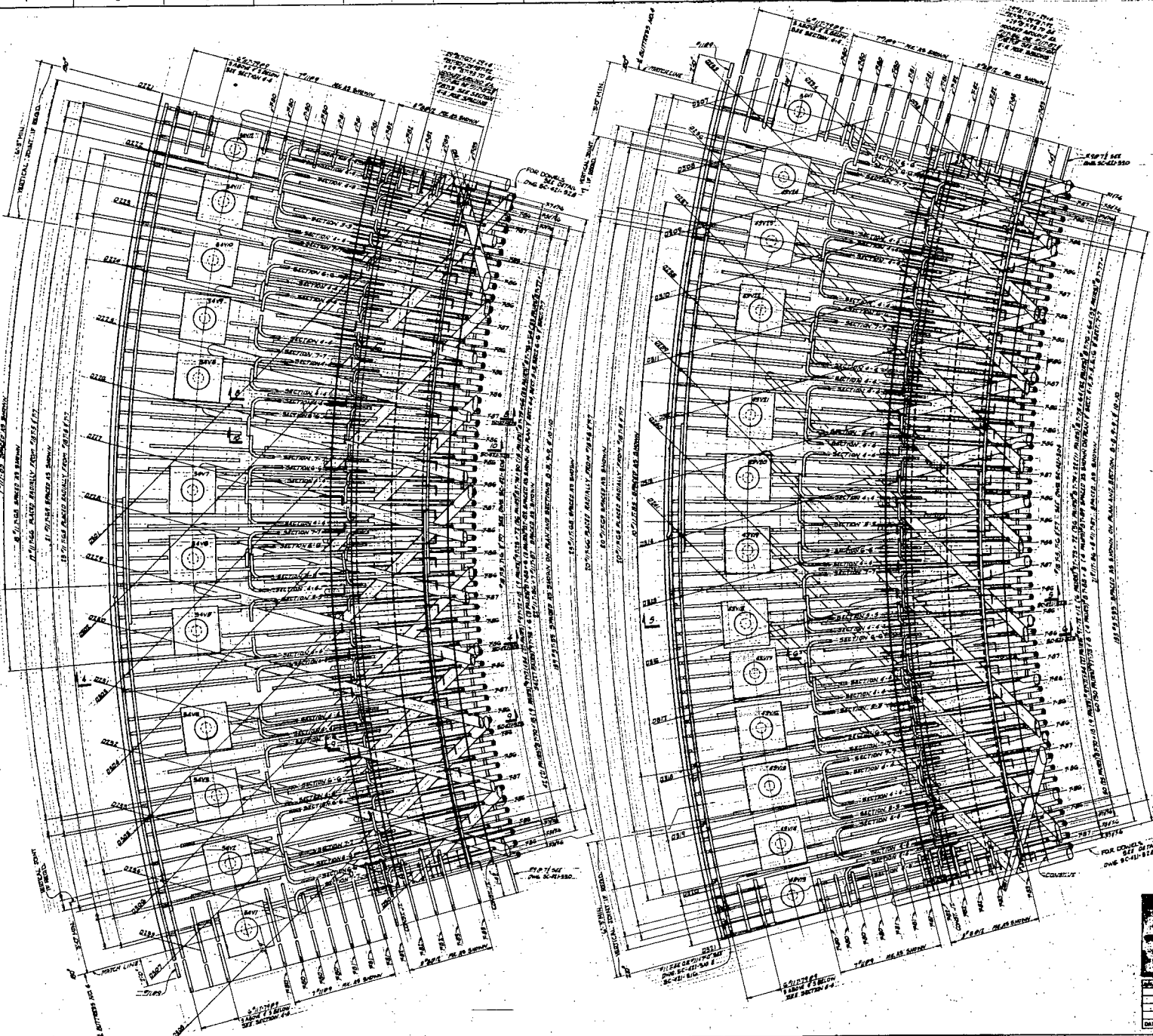
DATE: \_\_\_\_\_ RELEASED FOR: \_\_\_\_\_

PLM-4203 E-421-323 SC-421-323



1. FIELD CHECKING FOR THE FIELD REPRESENTATIVE FOR LOGGING "VERTICAL" CONSTRUCTION DATA.	
<b>FLORIDA POWER CORPORATION</b> 11 HERNANDO FLORIDA <b>CRYSTAL RIVER PLANT</b> UNIT NO. 3      825,000 KW	
REACTOR BUILDING RING ISLAND PLAN - P-80 B-E-F - 80' TO 150'	
CONSTRUCTION LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION RECORD PURPOSE ONLY	GIBBERT ASSOCIATES, INC. 1100 N. W. 10th St. MIAMI, FLORIDA 33136 APPROVED FOR CONSTRUCTION BY 
DATE:      RELEASED FROM:      CHECKED:	4203      E-421-321      SC-421-321 SCALE:      1" = 10'-0"      DATE:      10/15/57





NOTES:  
 1. FOR GENERAL INFO ON REQUIREMENTS SEE SHEET SC-421-322.

REFERENCES:  
 SC-421-322 SEE SHEET 1.10 - 100' TO 100'  
 SC-421-322 SEE SHEET 1.10 - 100' TO 100'  
 SC-421-322 SEE SHEET 1.10 - 100' TO 100'  
 SC-421-322 SEE SHEET 1.10 - 100' TO 100'  
 SC-421-322 SEE SHEET 1.10 - 100' TO 100'  
 SC-421-322 SEE SHEET 1.10 - 100' TO 100'



FLORIDA POWER CORPORATION 11 PETERSBURG, FLORIDA CRYSTAL RIVER PLANT SHEET NO. 3 818,000 KW	
REACTOR BUILDINGS TIME SYSTEM PLAN - PAGES 3-E-1' 150" TO 216"	
GEASET ASSOCIATES, INC. ENGINEERS AND ARCHITECTS 1000 N. W. 10th St. MIAMI, FLORIDA 33136	APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION DATE: 12/1/57
PLAN 4203 E-421-322 DATE: 12/1/57	SC-421-322 DATE: 12/1/57

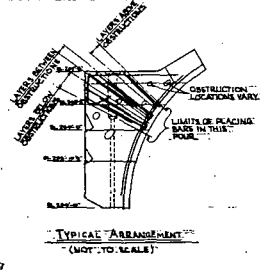
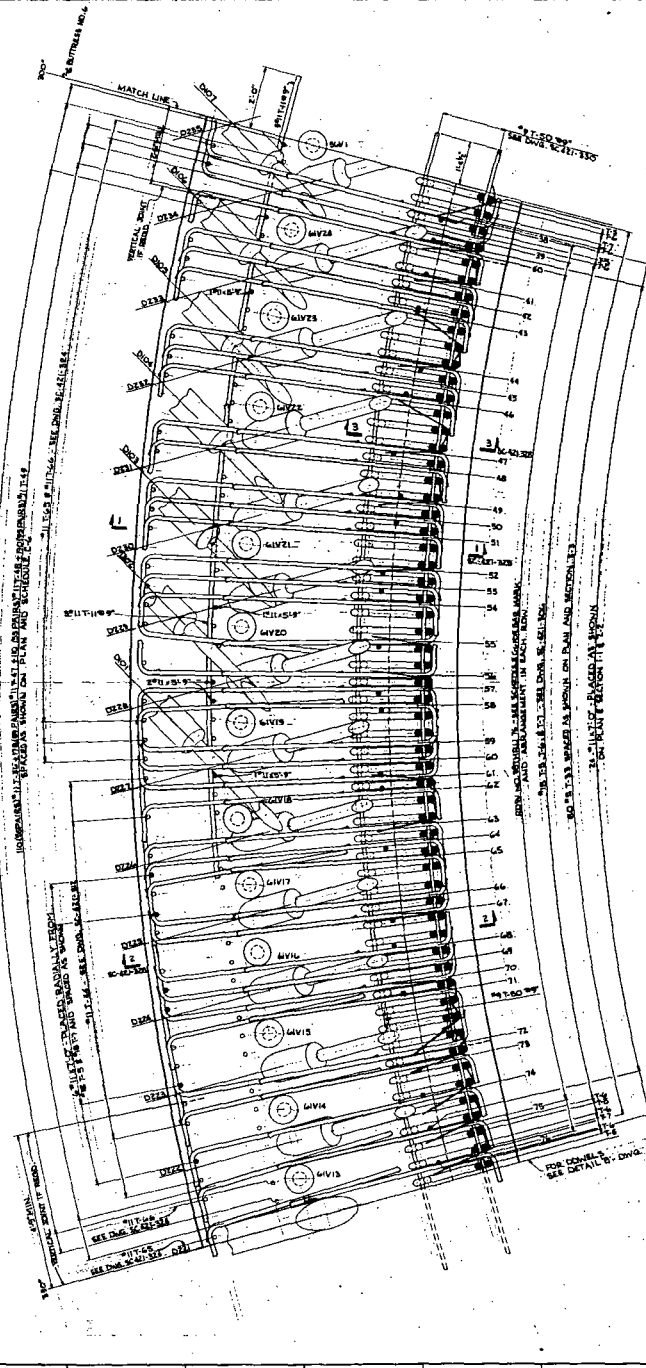
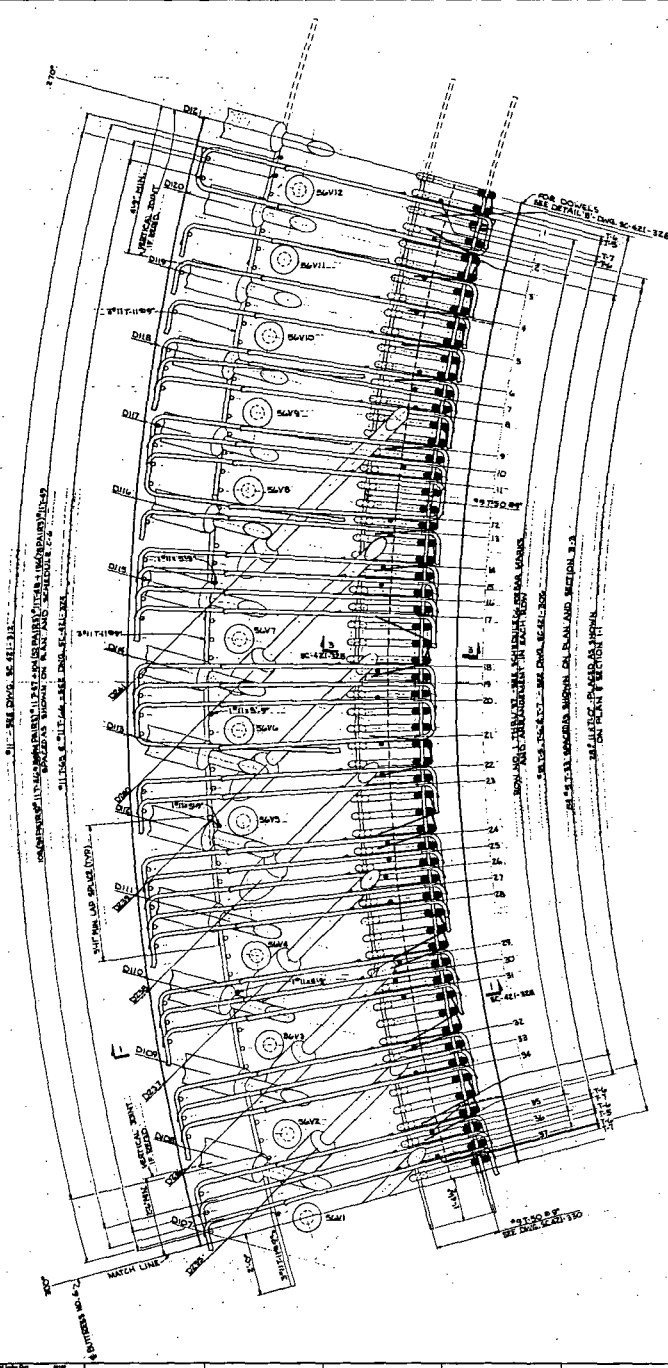
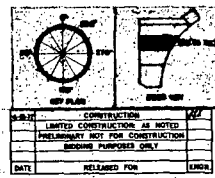


FIGURE 1-4  
 1952 (REVISED 1953) (REVISED 1954)

NO.	GRID								NO.
	A	B	C	D	E	F	G	H	
1									1
2									2
3									3
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5									5
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9									9
10									10
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100									100

PLAN TYPICAL ARRANGEMENT

- REVISIONS:
- SC-421-318 001 001 - 100' TO 100'
  - SC-421-318 001 002 - 100' TO 100'
  - SC-421-318 001 003 - 100' TO 100'
  - SC-421-318 001 004 - 100' TO 100'
  - SC-421-318 001 005 - 100' TO 100'
  - SC-421-318 001 006 - 100' TO 100'
  - SC-421-318 001 007 - 100' TO 100'
  - SC-421-318 001 008 - 100' TO 100'



FLORIDA POWER CORPORATION  
 ST. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 REACTOR BUILDING  
 RING BEAMS  
 PLAN - PAGE C - 270' TO 330'

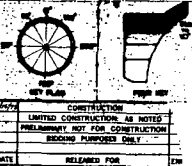
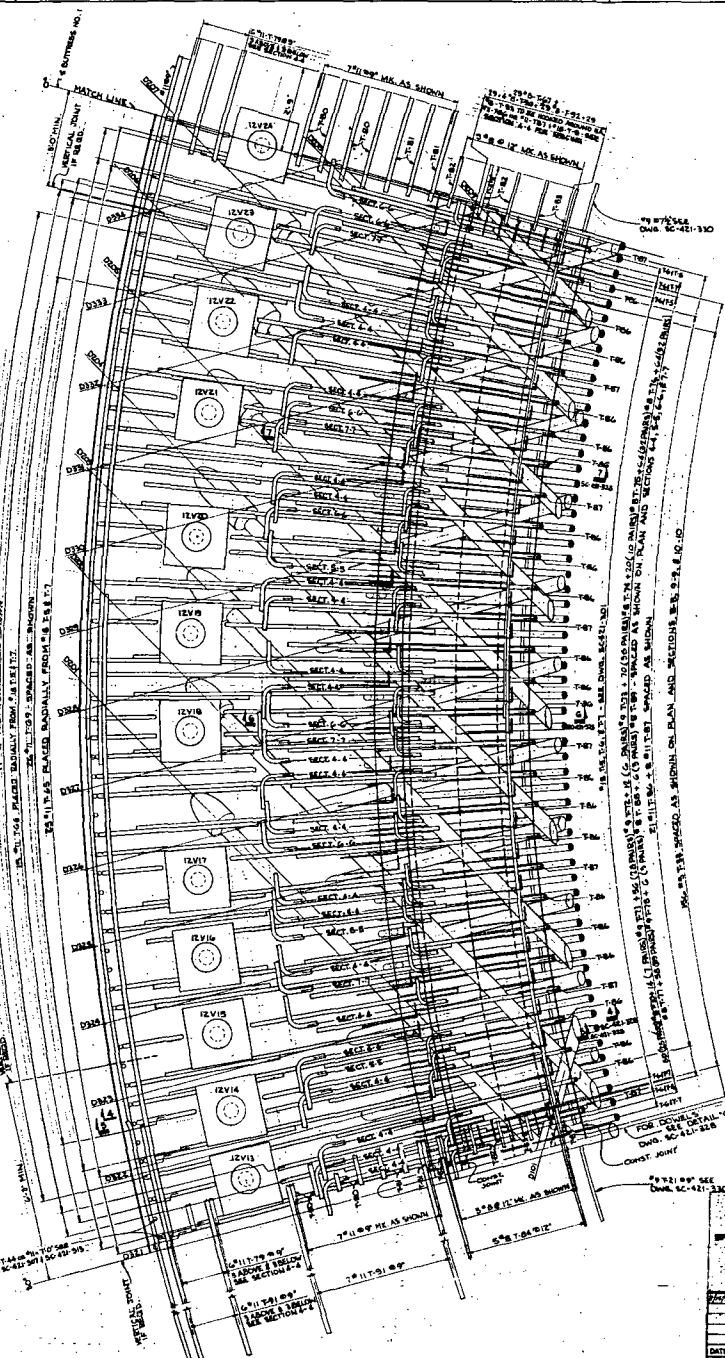
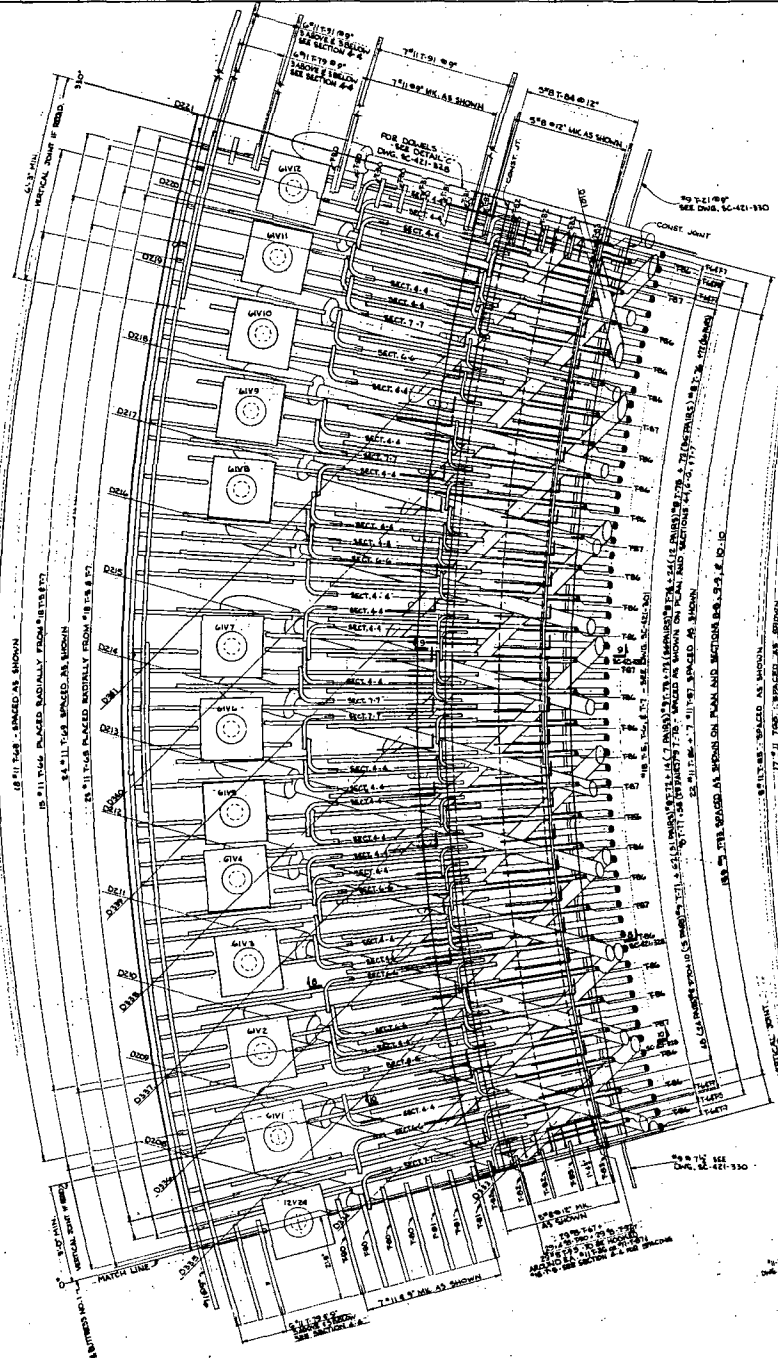
APPROVED FOR CONSTRUCTION BY

GILBERT ASSOCIATES, INC.  
 ENGINEERS AND ARCHITECTS

DATE: 4-22-58  
 RELEASED FOR: 4-22-58

SC-421-318

SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319
SC-421-319	SC-421-319	SC-421-319	SC-421-319



FIELD CHANGE NO. 7-890 ADDED. RECONSTRUCTION OF THE LAYOUT OF THE CRYSTAL RIVER PLANT.

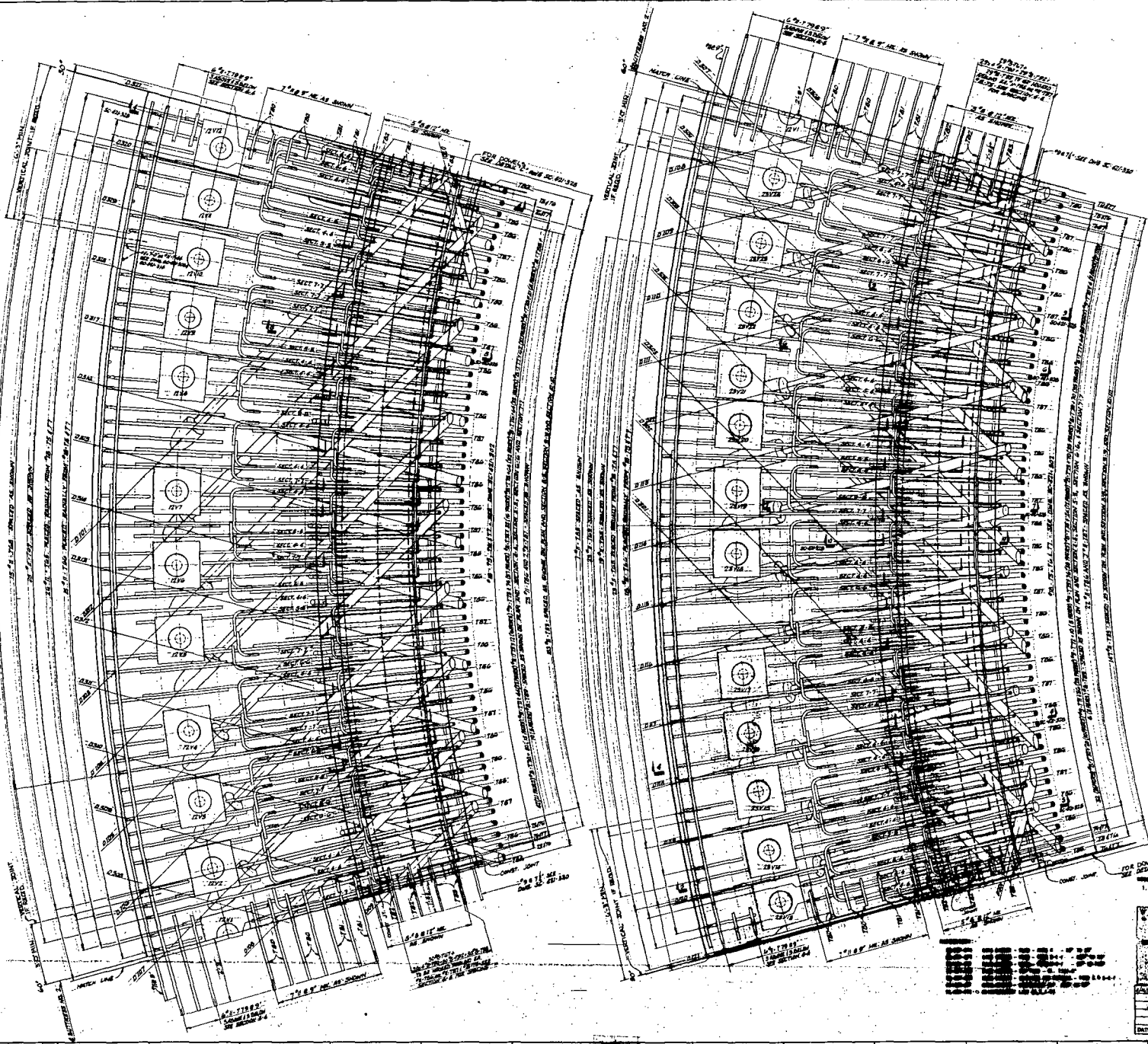
**FLORIDA POWER CORPORATION**  
 41 WINTER GARDEN  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2 250,000 KW  
 GEARED STEAM DRIVEN  
 ASSESSMENT  
 PLAN AREA 0-4-1 300' x 300'

CONSTRUCTION  
 UNITED CONTRACTORS, AS NOTED  
 PRELIMINARY NOT FOR CONSTRUCTION  
 RECORD PURPOSES ONLY

APPROVED  
 FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION  
*[Signature]*

DATE RELEASED FOR REC  
 4203 E-421-319 1 SC-421-319  
 SCALE 1:1000 SHEET NO. 05

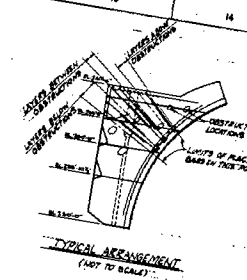
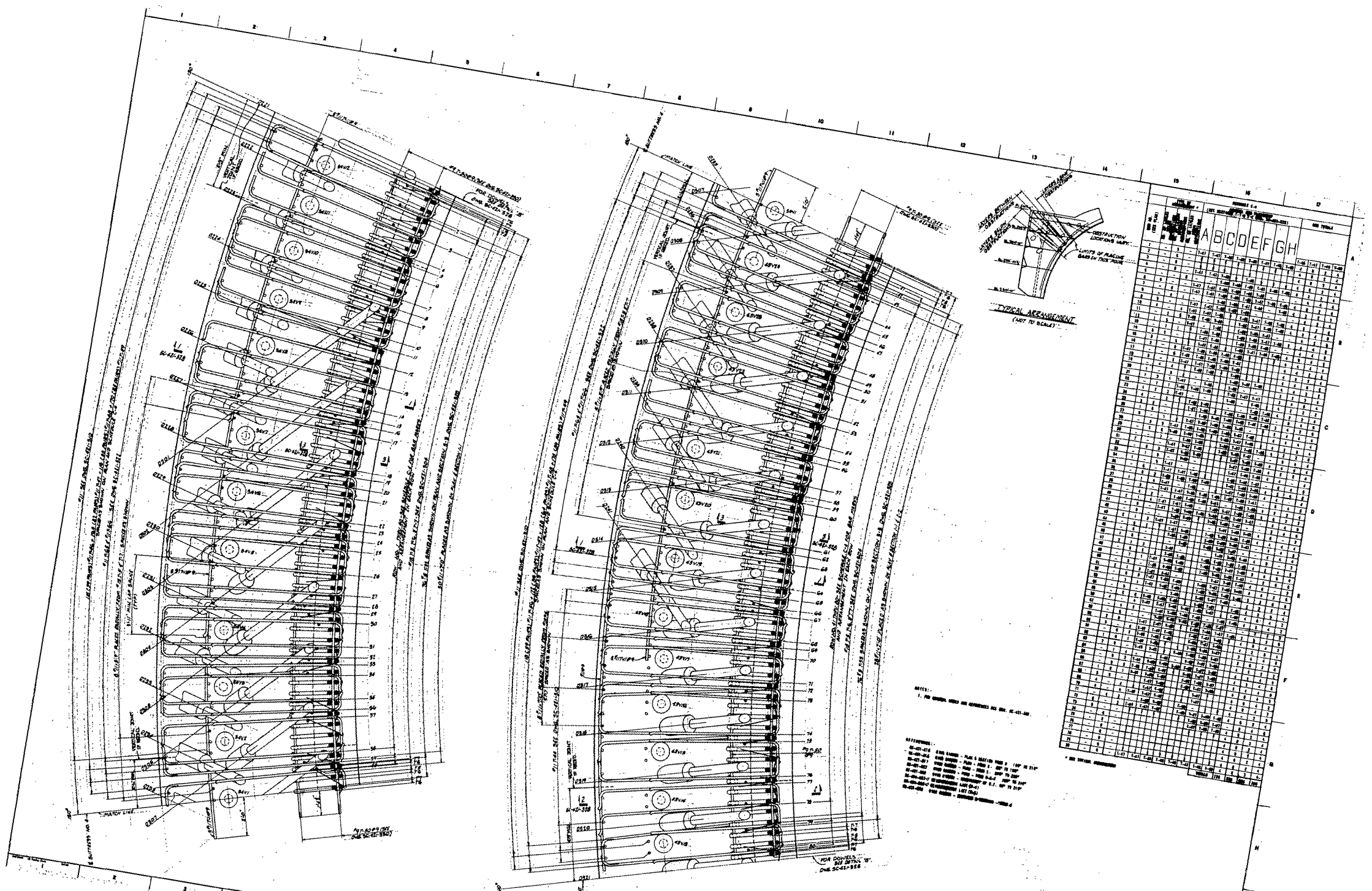
E-10-15 23



FOR DETAILS  
 SEE DRAWING SC-421-320



FIELD CHECKING (SEE 72-20) REQUIRED FOR CONSTRUCTION JOINTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS	
<b>FLORIDA POWER CORPORATION</b>	
PLANT - PETERSON, FLORIDA	
CRYSTAL RIVER PLANT	
UNIT NO. 2	853,000 KW.
REACTOR ISOLATION	
RING CASING	
PLAN - FROM D-E-P - 30" X 30"	
<b>APPROVED</b>	
FOR CONSTRUCTION BY	
HOBASITE CORPORATION	
DATE: 4-20-50	
SCALE: 1/8" = 1'-0"	
E-10-60	



UNIT NO.	GRID COORDINATES							
	A	B	C	D	E	F	G	H
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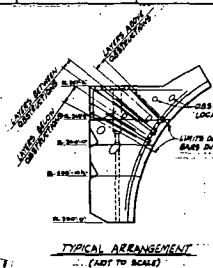
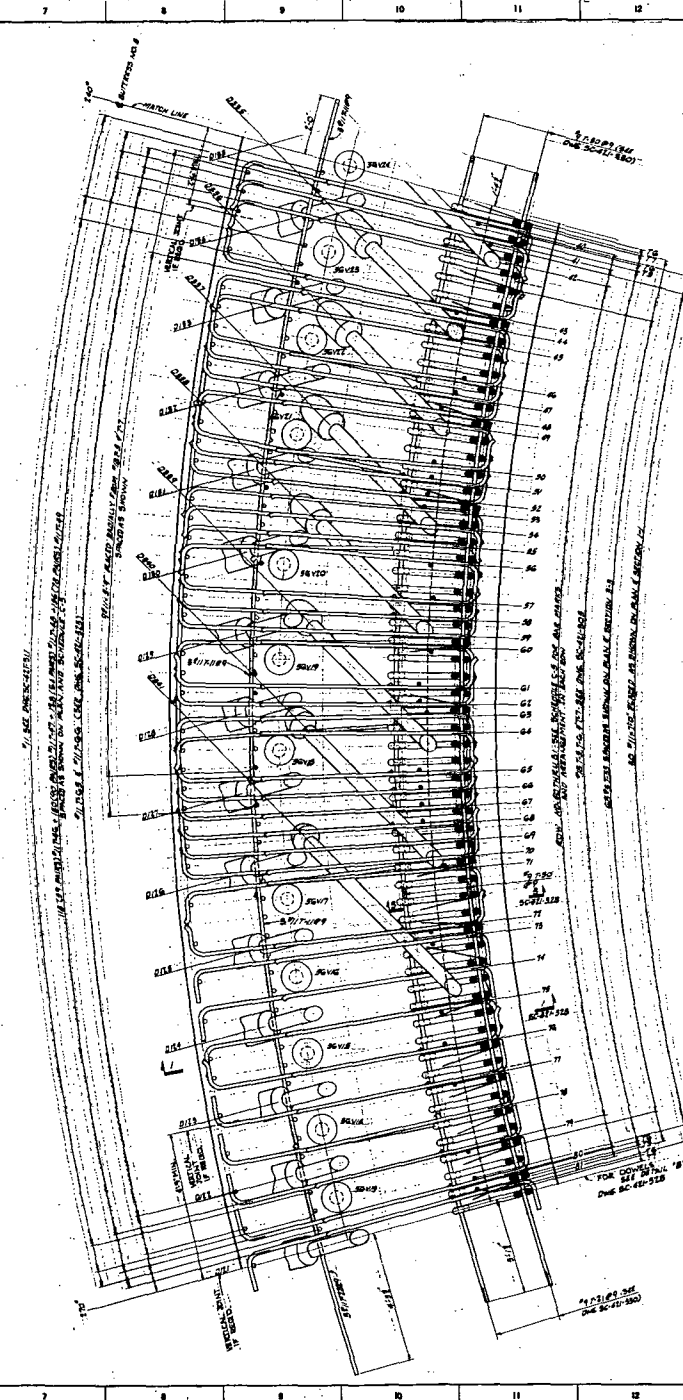
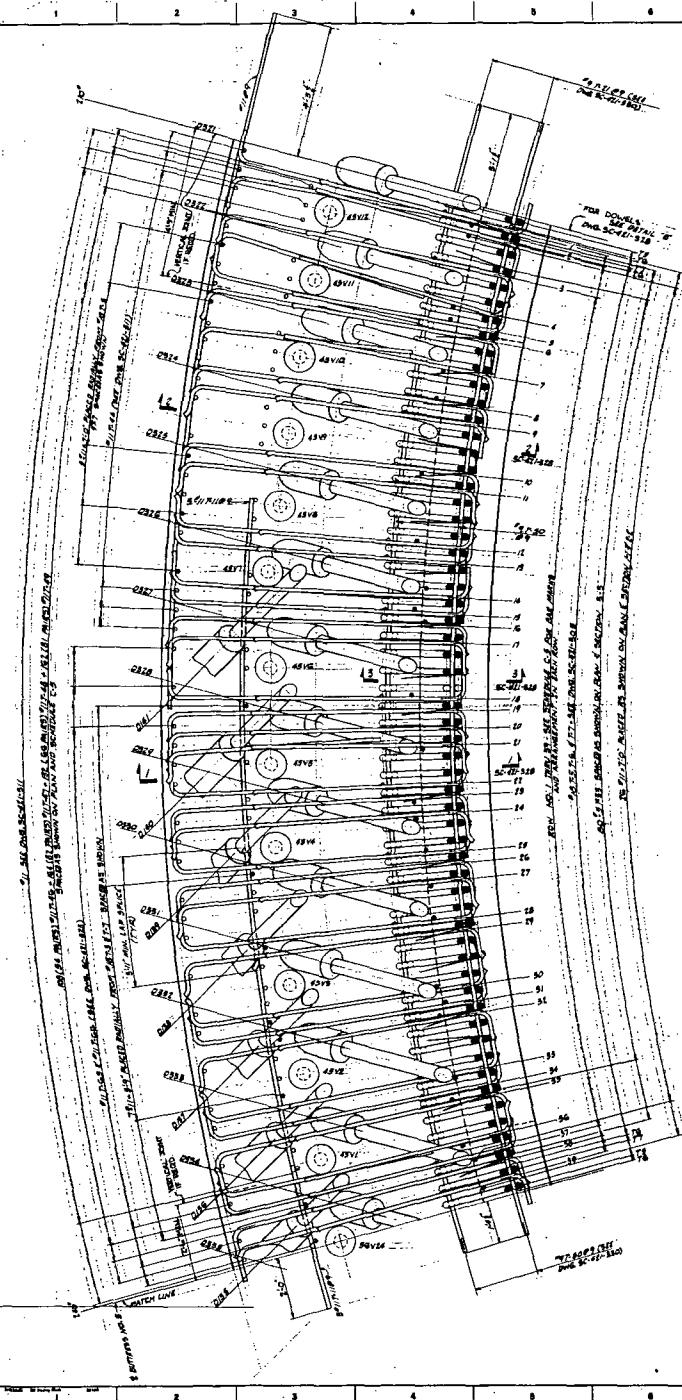
**NOTES:**  
 1. FOR GENERAL INFO SEE DRAWING NO. SC-41-80.

**REFERENCES:**  
 SC-41-80 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-81 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-82 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-83 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-84 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-85 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-86 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-87 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-88 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-89 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-90 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-91 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-92 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-93 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-94 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-95 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-96 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-97 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-98 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-99 2ND EDITION - PLAN & SECTION DRAWINGS  
 SC-41-100 2ND EDITION - PLAN & SECTION DRAWINGS

**FLORIDA POWER CORPORATION**  
 11 FORT MEADE, MIAMI  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 85,000 KW  
 PLAN & SECTION NO. 310

PREPARED BY: GIMBAY ASSOCIATES, INC.  
 DATE: 4/20/58  
 E-421-314

**APPROVED FOR CONSTRUCTION BY:**  
 FLORIDA POWER CORPORATION  
 DATE: 4/20/58  
 E-421-314  
 SC-421-316  
 E-10-15



ROW	COL	COORDINATE							
		1-40	1-41	1-42	1-43	1-44	1-45	1-46	1-47
1	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NOTES:  
 1. THE SPECIAL ORDER AND DIMENSIONS ARE SHOWN ON SHEET SC-421-319.

REFERENCES:  
 SC-421-001 RING HEADS - PLAN & SECTION - ITEM 2 21" x 21"  
 SC-421-002 RING HEADS - PLAN - ITEM 1 18" x 18" & 24"  
 SC-421-003 RING HEADS - PLAN - ITEM 3 18" x 18" & 24"  
 SC-421-004 RING HEADS - PLAN - ITEM 4 18" x 18" & 24"  
 SC-421-005 RING HEADS - PLAN - ITEM 5 18" x 18" & 24"  
 SC-421-006 RING HEADS - PLAN - ITEM 6 18" x 18" & 24"  
 SC-421-007 RING HEADS - PLAN - ITEM 7 18" x 18" & 24"  
 SC-421-008 RING HEADS - PLAN - ITEM 8 18" x 18" & 24"  
 SC-421-009 RING HEADS - PLAN - ITEM 9 18" x 18" & 24"  
 SC-421-010 RING HEADS - PLAN - ITEM 10 18" x 18" & 24"  
 SC-421-011 RING HEADS - PLAN - ITEM 11 18" x 18" & 24"  
 SC-421-012 RING HEADS - PLAN - ITEM 12 18" x 18" & 24"  
 SC-421-013 RING HEADS - PLAN - ITEM 13 18" x 18" & 24"  
 SC-421-014 RING HEADS - PLAN - ITEM 14 18" x 18" & 24"  
 SC-421-015 RING HEADS - PLAN - ITEM 15 18" x 18" & 24"  
 SC-421-016 RING HEADS - PLAN - ITEM 16 18" x 18" & 24"  
 SC-421-017 RING HEADS - PLAN - ITEM 17 18" x 18" & 24"  
 SC-421-018 RING HEADS - PLAN - ITEM 18 18" x 18" & 24"  
 SC-421-019 RING HEADS - PLAN - ITEM 19 18" x 18" & 24"  
 SC-421-020 RING HEADS - PLAN - ITEM 20 18" x 18" & 24"  
 SC-421-021 RING HEADS - PLAN - ITEM 21 18" x 18" & 24"  
 SC-421-022 RING HEADS - PLAN - ITEM 22 18" x 18" & 24"  
 SC-421-023 RING HEADS - PLAN - ITEM 23 18" x 18" & 24"  
 SC-421-024 RING HEADS - PLAN - ITEM 24 18" x 18" & 24"  
 SC-421-025 RING HEADS - PLAN - ITEM 25 18" x 18" & 24"  
 SC-421-026 RING HEADS - PLAN - ITEM 26 18" x 18" & 24"  
 SC-421-027 RING HEADS - PLAN - ITEM 27 18" x 18" & 24"  
 SC-421-028 RING HEADS - PLAN - ITEM 28 18" x 18" & 24"  
 SC-421-029 RING HEADS - PLAN - ITEM 29 18" x 18" & 24"  
 SC-421-030 RING HEADS - PLAN - ITEM 30 18" x 18" & 24"  
 SC-421-031 RING HEADS - PLAN - ITEM 31 18" x 18" & 24"  
 SC-421-032 RING HEADS - PLAN - ITEM 32 18" x 18" & 24"  
 SC-421-033 RING HEADS - PLAN - ITEM 33 18" x 18" & 24"  
 SC-421-034 RING HEADS - PLAN - ITEM 34 18" x 18" & 24"  
 SC-421-035 RING HEADS - PLAN - ITEM 35 18" x 18" & 24"  
 SC-421-036 RING HEADS - PLAN - ITEM 36 18" x 18" & 24"  
 SC-421-037 RING HEADS - PLAN - ITEM 37 18" x 18" & 24"  
 SC-421-038 RING HEADS - PLAN - ITEM 38 18" x 18" & 24"  
 SC-421-039 RING HEADS - PLAN - ITEM 39 18" x 18" & 24"  
 SC-421-040 RING HEADS - PLAN - ITEM 40 18" x 18" & 24"  
 SC-421-041 RING HEADS - PLAN - ITEM 41 18" x 18" & 24"  
 SC-421-042 RING HEADS - PLAN - ITEM 42 18" x 18" & 24"  
 SC-421-043 RING HEADS - PLAN - ITEM 43 18" x 18" & 24"  
 SC-421-044 RING HEADS - PLAN - ITEM 44 18" x 18" & 24"  
 SC-421-045 RING HEADS - PLAN - ITEM 45 18" x 18" & 24"  
 SC-421-046 RING HEADS - PLAN - ITEM 46 18" x 18" & 24"  
 SC-421-047 RING HEADS - PLAN - ITEM 47 18" x 18" & 24"  
 SC-421-048 RING HEADS - PLAN - ITEM 48 18" x 18" & 24"  
 SC-421-049 RING HEADS - PLAN - ITEM 49 18" x 18" & 24"  
 SC-421-050 RING HEADS - PLAN - ITEM 50 18" x 18" & 24"  
 SC-421-051 RING HEADS - PLAN - ITEM 51 18" x 18" & 24"  
 SC-421-052 RING HEADS - PLAN - ITEM 52 18" x 18" & 24"  
 SC-421-053 RING HEADS - PLAN - ITEM 53 18" x 18" & 24"  
 SC-421-054 RING HEADS - PLAN - ITEM 54 18" x 18" & 24"  
 SC-421-055 RING HEADS - PLAN - ITEM 55 18" x 18" & 24"  
 SC-421-056 RING HEADS - PLAN - ITEM 56 18" x 18" & 24"  
 SC-421-057 RING HEADS - PLAN - ITEM 57 18" x 18" & 24"  
 SC-421-058 RING HEADS - PLAN - ITEM 58 18" x 18" & 24"  
 SC-421-059 RING HEADS - PLAN - ITEM 59 18" x 18" & 24"  
 SC-421-060 RING HEADS - PLAN - ITEM 60 18" x 18" & 24"  
 SC-421-061 RING HEADS - PLAN - ITEM 61 18" x 18" & 24"  
 SC-421-062 RING HEADS - PLAN - ITEM 62 18" x 18" & 24"  
 SC-421-063 RING HEADS - PLAN - ITEM 63 18" x 18" & 24"  
 SC-421-064 RING HEADS - PLAN - ITEM 64 18" x 18" & 24"  
 SC-421-065 RING HEADS - PLAN - ITEM 65 18" x 18" & 24"  
 SC-421-066 RING HEADS - PLAN - ITEM 66 18" x 18" & 24"  
 SC-421-067 RING HEADS - PLAN - ITEM 67 18" x 18" & 24"  
 SC-421-068 RING HEADS - PLAN - ITEM 68 18" x 18" & 24"  
 SC-421-069 RING HEADS - PLAN - ITEM 69 18" x 18" & 24"  
 SC-421-070 RING HEADS - PLAN - ITEM 70 18" x 18" & 24"  
 SC-421-071 RING HEADS - PLAN - ITEM 71 18" x 18" & 24"  
 SC-421-072 RING HEADS - PLAN - ITEM 72 18" x 18" & 24"  
 SC-421-073 RING HEADS - PLAN - ITEM 73 18" x 18" & 24"  
 SC-421-074 RING HEADS - PLAN - ITEM 74 18" x 18" & 24"  
 SC-421-075 RING HEADS - PLAN - ITEM 75 18" x 18" & 24"  
 SC-421-076 RING HEADS - PLAN - ITEM 76 18" x 18" & 24"  
 SC-421-077 RING HEADS - PLAN - ITEM 77 18" x 18" & 24"  
 SC-421-078 RING HEADS - PLAN - ITEM 78 18" x 18" & 24"  
 SC-421-079 RING HEADS - PLAN - ITEM 79 18" x 18" & 24"  
 SC-421-080 RING HEADS - PLAN - ITEM 80 18" x 18" & 24"  
 SC-421-081 RING HEADS - PLAN - ITEM 81 18" x 18" & 24"  
 SC-421-082 RING HEADS - PLAN - ITEM 82 18" x 18" & 24"  
 SC-421-083 RING HEADS - PLAN - ITEM 83 18" x 18" & 24"  
 SC-421-084 RING HEADS - PLAN - ITEM 84 18" x 18" & 24"  
 SC-421-085 RING HEADS - PLAN - ITEM 85 18" x 18" & 24"  
 SC-421-086 RING HEADS - PLAN - ITEM 86 18" x 18" & 24"  
 SC-421-087 RING HEADS - PLAN - ITEM 87 18" x 18" & 24"  
 SC-421-088 RING HEADS - PLAN - ITEM 88 18" x 18" & 24"  
 SC-421-089 RING HEADS - PLAN - ITEM 89 18" x 18" & 24"  
 SC-421-090 RING HEADS - PLAN - ITEM 90 18" x 18" & 24"  
 SC-421-091 RING HEADS - PLAN - ITEM 91 18" x 18" & 24"  
 SC-421-092 RING HEADS - PLAN - ITEM 92 18" x 18" & 24"  
 SC-421-093 RING HEADS - PLAN - ITEM 93 18" x 18" & 24"  
 SC-421-094 RING HEADS - PLAN - ITEM 94 18" x 18" & 24"  
 SC-421-095 RING HEADS - PLAN - ITEM 95 18" x 18" & 24"  
 SC-421-096 RING HEADS - PLAN - ITEM 96 18" x 18" & 24"  
 SC-421-097 RING HEADS - PLAN - ITEM 97 18" x 18" & 24"  
 SC-421-098 RING HEADS - PLAN - ITEM 98 18" x 18" & 24"  
 SC-421-099 RING HEADS - PLAN - ITEM 99 18" x 18" & 24"  
 SC-421-100 RING HEADS - PLAN - ITEM 100 18" x 18" & 24"

FIELD CHANGE NO. 79-290 ACCORDING TO FIELD REPORT NO. 1014 FOR LOCATING VERTICAL CONSTRUCTION POINTS.

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 338,000 KW  
 REACTOR BUILDING  
 RING HEADER  
 PLAN - POLAR C 218" TO 220"

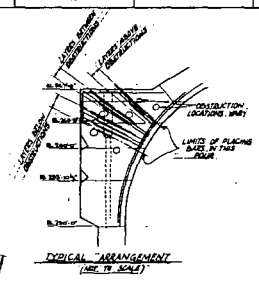
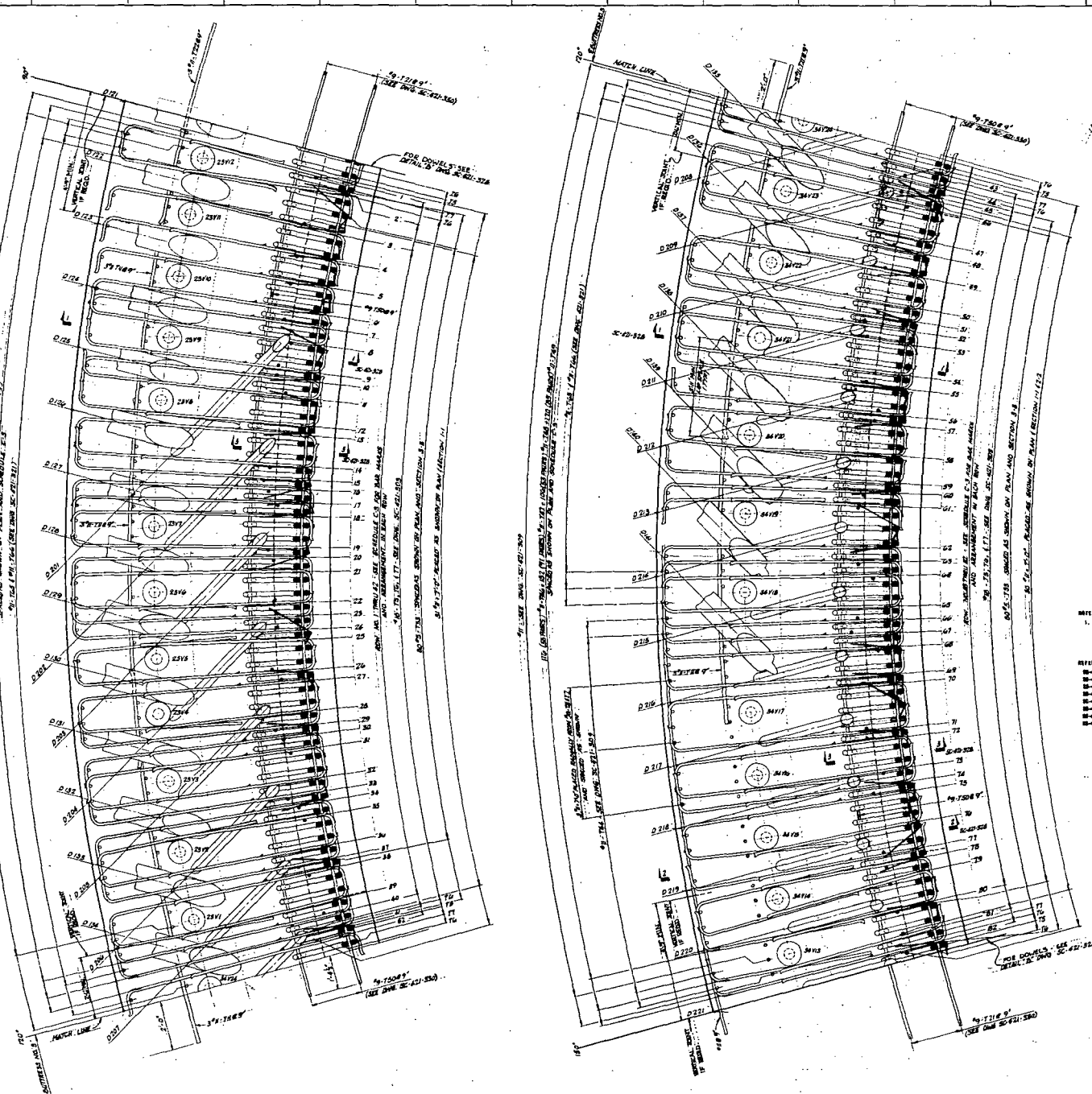
CONSTRUCTION  
 LIMITED CONSTRUCTION AS NOTED  
 PRELIMINARY NOT FOR CONSTRUCTION  
 RECORD PURPOSES ONLY

RELEASED FOR  
 DATE: 4/20/87  
 BY: 4903  
 E-421-317

APPROVED FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION  
 4/20/87  
 SC-421-317

CHERRY ASSOCIATES, INC.  
 10000 W. 12th St.  
 Ft. Lauderdale, FL 33309  
 (305) 551-1234

E-10-157

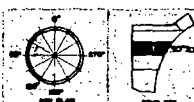


NOTE:  
1. FOR DIMENSIONS NOT SHOWN ON THIS PLAN, SEE DRAWING NO. SC-421-24.

REFERENCES:  
 SC-421-200 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-201 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-202 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-203 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-204 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-205 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-206 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-207 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-208 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-209 200 SHEET - PLAN FROM C - 10' TO 11' 10"  
 SC-421-210 200 SHEET - PLAN FROM C - 10' TO 11' 10"

GENERAL SCHEDULE		ITEMS								NO. SHEETS		
NO.	DESCRIPTION	A	B	C	D	E	F	G	H	1-40	41-80	81-120
1	...	1	1	1	1	1	1	1	1	1	1	1
2	...	1	1	1	1	1	1	1	1	1	1	1
3	...	1	1	1	1	1	1	1	1	1	1	1
4	...	1	1	1	1	1	1	1	1	1	1	1
5	...	1	1	1	1	1	1	1	1	1	1	1
6	...	1	1	1	1	1	1	1	1	1	1	1
7	...	1	1	1	1	1	1	1	1	1	1	1
8	...	1	1	1	1	1	1	1	1	1	1	1
9	...	1	1	1	1	1	1	1	1	1	1	1
10	...	1	1	1	1	1	1	1	1	1	1	1
11	...	1	1	1	1	1	1	1	1	1	1	1
12	...	1	1	1	1	1	1	1	1	1	1	1
13	...	1	1	1	1	1	1	1	1	1	1	1
14	...	1	1	1	1	1	1	1	1	1	1	1
15	...	1	1	1	1	1	1	1	1	1	1	1
16	...	1	1	1	1	1	1	1	1	1	1	1
17	...	1	1	1	1	1	1	1	1	1	1	1
18	...	1	1	1	1	1	1	1	1	1	1	1
19	...	1	1	1	1	1	1	1	1	1	1	1
20	...	1	1	1	1	1	1	1	1	1	1	1
21	...	1	1	1	1	1	1	1	1	1	1	1
22	...	1	1	1	1	1	1	1	1	1	1	1
23	...	1	1	1	1	1	1	1	1	1	1	1
24	...	1	1	1	1	1	1	1	1	1	1	1
25	...	1	1	1	1	1	1	1	1	1	1	1
26	...	1	1	1	1	1	1	1	1	1	1	1
27	...	1	1	1	1	1	1	1	1	1	1	1
28	...	1	1	1	1	1	1	1	1	1	1	1
29	...	1	1	1	1	1	1	1	1	1	1	1
30	...	1	1	1	1	1	1	1	1	1	1	1
31	...	1	1	1	1	1	1	1	1	1	1	1
32	...	1	1	1	1	1	1	1	1	1	1	1
33	...	1	1	1	1	1	1	1	1	1	1	1
34	...	1	1	1	1	1	1	1	1	1	1	1
35	...	1	1	1	1	1	1	1	1	1	1	1
36	...	1	1	1	1	1	1	1	1	1	1	1
37	...	1	1	1	1	1	1	1	1	1	1	1
38	...	1	1	1	1	1	1	1	1	1	1	1
39	...	1	1	1	1	1	1	1	1	1	1	1
40	...	1	1	1	1	1	1	1	1	1	1	1
41	...	1	1	1	1	1	1	1	1	1	1	1
42	...	1	1	1	1	1	1	1	1	1	1	1
43	...	1	1	1	1	1	1	1	1	1	1	1
44	...	1	1	1	1	1	1	1	1	1	1	1
45	...	1	1	1	1	1	1	1	1	1	1	1
46	...	1	1	1	1	1	1	1	1	1	1	1
47	...	1	1	1	1	1	1	1	1	1	1	1
48	...	1	1	1	1	1	1	1	1	1	1	1
49	...	1	1	1	1	1	1	1	1	1	1	1
50	...	1	1	1	1	1	1	1	1	1	1	1
51	...	1	1	1	1	1	1	1	1	1	1	1
52	...	1	1	1	1	1	1	1	1	1	1	1
53	...	1	1	1	1	1	1	1	1	1	1	1
54	...	1	1	1	1	1	1	1	1	1	1	1
55	...	1	1	1	1	1	1	1	1	1	1	1
56	...	1	1	1	1	1	1	1	1	1	1	1
57	...	1	1	1	1	1	1	1	1	1	1	1
58	...	1	1	1	1	1	1	1	1	1	1	1
59	...	1	1	1	1	1	1	1	1	1	1	1
60	...	1	1	1	1	1	1	1	1	1	1	1
61	...	1	1	1	1	1	1	1	1	1	1	1
62	...	1	1	1	1	1	1	1	1	1	1	1
63	...	1	1	1	1	1	1	1	1	1	1	1
64	...	1	1	1	1	1	1	1	1	1	1	1
65	...	1	1	1	1	1	1	1	1	1	1	1
66	...	1	1	1	1	1	1	1	1	1	1	1
67	...	1	1	1	1	1	1	1	1	1	1	1
68	...	1	1	1	1	1	1	1	1	1	1	1
69	...	1	1	1	1	1	1	1	1	1	1	1
70	...	1	1	1	1	1	1	1	1	1	1	1
71	...	1	1	1	1	1	1	1	1	1	1	1
72	...	1	1	1	1	1	1	1	1	1	1	1
73	...	1	1	1	1	1	1	1	1	1	1	1
74	...	1	1	1	1	1	1	1	1	1	1	1
75	...	1	1	1	1	1	1	1	1	1	1	1
76	...	1	1	1	1	1	1	1	1	1	1	1
77	...	1	1	1	1	1	1	1	1	1	1	1
78	...	1	1	1	1	1	1	1	1	1	1	1
79	...	1	1	1	1	1	1	1	1	1	1	1
80	...	1	1	1	1	1	1	1	1	1	1	1

SEE TYPICAL ARRANGEMENT.



FIELD CHANGE NOTED REWORK TREATMENTS PLANT FOR  
 EXTRA VERTICAL CONSTRUCTION JOINTS

**FLORIDA POWER CORPORATION**  
 11 PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 MASTER SHEETS  
 853000 SW  
 PLAN - SHEET C 70' - 75'

DATE	RELEASED FOR	ENGR.	4803	E-421-316	1	SC-421-315

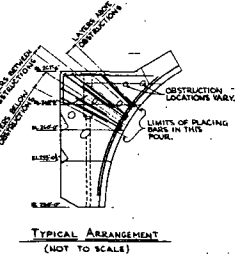
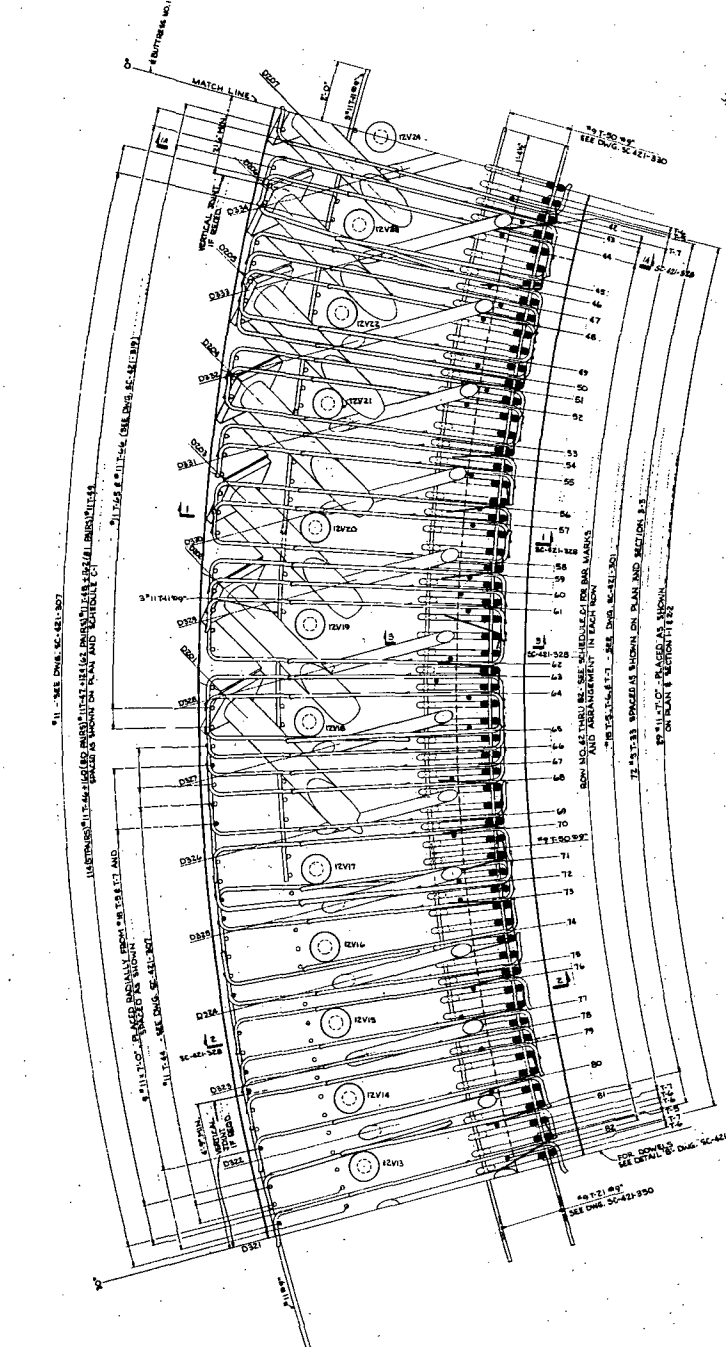
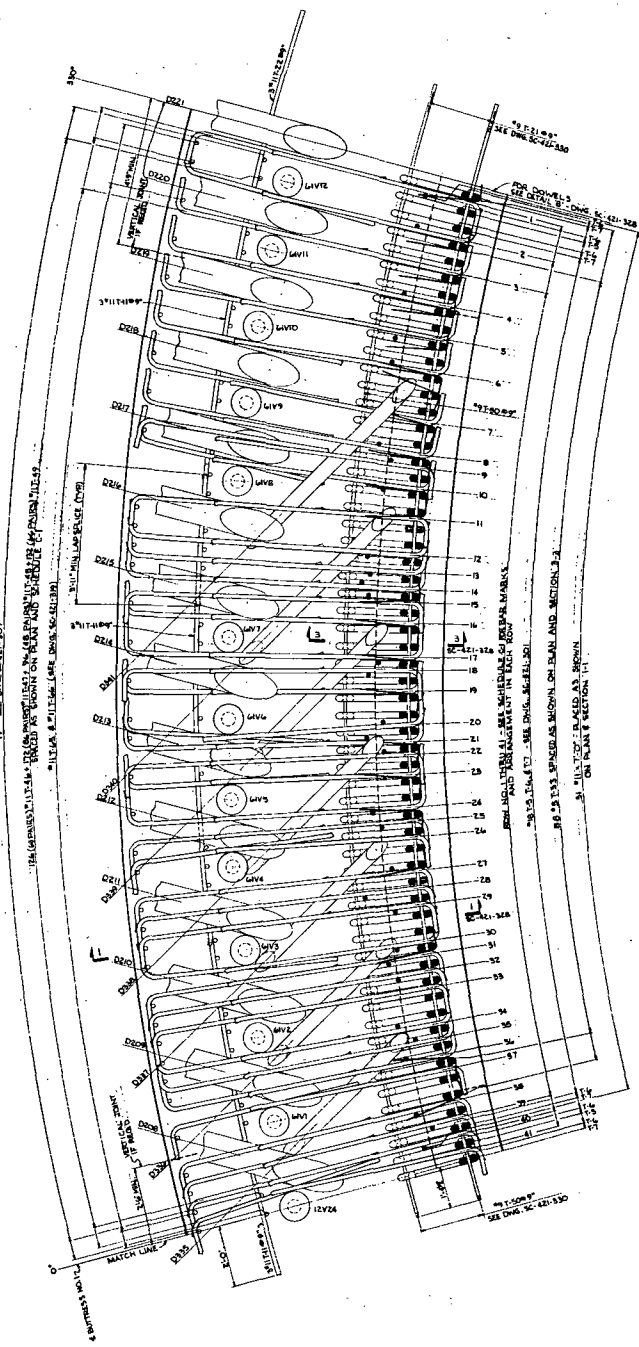
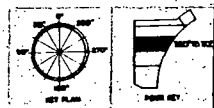


TABLE 6-1  
REINFORCEMENT BAR SCHEDULE (CONTINUED)

BAR NO.	BAR SIZE	LENGTH (FT)	QUANTITY	WEIGHT (LBS)	BAR NO.	BAR SIZE	LENGTH (FT)	QUANTITY	WEIGHT (LBS)	TOTAL
1	3	1.47	1	1.47	1	3	1.47	1	1.47	2.94
2	3	1.47	1	1.47	2	3	1.47	2	2.94	5.88
3	3	1.47	1	1.47	3	3	1.47	3	4.41	10.29
4	3	1.47	1	1.47	4	3	1.47	4	5.88	16.17
5	3	1.47	1	1.47	5	3	1.47	5	7.35	23.52
6	3	1.47	1	1.47	6	3	1.47	6	8.82	32.34
7	3	1.47	1	1.47	7	3	1.47	7	10.29	42.63
8	3	1.47	1	1.47	8	3	1.47	8	11.76	54.39
9	3	1.47	1	1.47	9	3	1.47	9	13.23	67.62
10	3	1.47	1	1.47	10	3	1.47	10	14.70	82.32
11	3	1.47	1	1.47	11	3	1.47	11	16.17	98.49
12	3	1.47	1	1.47	12	3	1.47	12	17.64	116.13
13	3	1.47	1	1.47	13	3	1.47	13	19.11	135.24
14	3	1.47	1	1.47	14	3	1.47	14	20.58	155.82
15	3	1.47	1	1.47	15	3	1.47	15	22.05	177.87
16	3	1.47	1	1.47	16	3	1.47	16	23.52	201.39
17	3	1.47	1	1.47	17	3	1.47	17	24.99	226.38
18	3	1.47	1	1.47	18	3	1.47	18	26.46	252.84
19	3	1.47	1	1.47	19	3	1.47	19	27.93	280.77
20	3	1.47	1	1.47	20	3	1.47	20	29.40	310.17
21	3	1.47	1	1.47	21	3	1.47	21	30.87	341.04
22	3	1.47	1	1.47	22	3	1.47	22	32.34	373.38
23	3	1.47	1	1.47	23	3	1.47	23	33.81	407.19
24	3	1.47	1	1.47	24	3	1.47	24	35.28	442.47
25	3	1.47	1	1.47	25	3	1.47	25	36.75	479.22
26	3	1.47	1	1.47	26	3	1.47	26	38.22	517.44
27	3	1.47	1	1.47	27	3	1.47	27	39.69	557.13
28	3	1.47	1	1.47	28	3	1.47	28	41.16	598.29
29	3	1.47	1	1.47	29	3	1.47	29	42.63	640.92
30	3	1.47	1	1.47	30	3	1.47	30	44.10	685.02
31	3	1.47	1	1.47	31	3	1.47	31	45.57	730.59
32	3	1.47	1	1.47	32	3	1.47	32	47.04	777.63
33	3	1.47	1	1.47	33	3	1.47	33	48.51	826.14
34	3	1.47	1	1.47	34	3	1.47	34	49.98	876.12
35	3	1.47	1	1.47	35	3	1.47	35	51.45	927.57
36	3	1.47	1	1.47	36	3	1.47	36	52.92	980.49
37	3	1.47	1	1.47	37	3	1.47	37	54.39	1034.88
38	3	1.47	1	1.47	38	3	1.47	38	55.86	1090.74
39	3	1.47	1	1.47	39	3	1.47	39	57.33	1148.07
40	3	1.47	1	1.47	40	3	1.47	40	58.80	1206.87
41	3	1.47	1	1.47	41	3	1.47	41	60.27	1267.14
42	3	1.47	1	1.47	42	3	1.47	42	61.74	1328.88
43	3	1.47	1	1.47	43	3	1.47	43	63.21	1392.09
44	3	1.47	1	1.47	44	3	1.47	44	64.68	1456.77
45	3	1.47	1	1.47	45	3	1.47	45	66.15	1522.92
46	3	1.47	1	1.47	46	3	1.47	46	67.62	1590.54
47	3	1.47	1	1.47	47	3	1.47	47	69.09	1659.63
48	3	1.47	1	1.47	48	3	1.47	48	70.56	1730.19
49	3	1.47	1	1.47	49	3	1.47	49	72.03	1802.22
50	3	1.47	1	1.47	50	3	1.47	50	73.50	1875.72
51	3	1.47	1	1.47	51	3	1.47	51	74.97	1950.69
52	3	1.47	1	1.47	52	3	1.47	52	76.44	2027.13
53	3	1.47	1	1.47	53	3	1.47	53	77.91	2105.04
54	3	1.47	1	1.47	54	3	1.47	54	79.38	2184.42
55	3	1.47	1	1.47	55	3	1.47	55	80.85	2265.27
56	3	1.47	1	1.47	56	3	1.47	56	82.32	2347.59
57	3	1.47	1	1.47	57	3	1.47	57	83.79	2431.38
58	3	1.47	1	1.47	58	3	1.47	58	85.26	2516.64
59	3	1.47	1	1.47	59	3	1.47	59	86.73	2603.37
60	3	1.47	1	1.47	60	3	1.47	60	88.20	2691.57
61	3	1.47	1	1.47	61	3	1.47	61	89.67	2781.24
62	3	1.47	1	1.47	62	3	1.47	62	91.14	2872.38
63	3	1.47	1	1.47	63	3	1.47	63	92.61	2964.99
64	3	1.47	1	1.47	64	3	1.47	64	94.08	3059.07

FOR BARREN STEEL AND REINFORCED CONCRETE SEE DWG. SC-421-301.  
 REFERENCES:  
 SC-421-301 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-302 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-303 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-304 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-305 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-306 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-307 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-308 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-309 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"  
 SC-421-310 REBAR SCHEDULE - PLAN PAGE 6 - 30" TO 30"



FIELD CHANGE NO. 73-292 ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 REACTOR BUILDING  
 BENCH CUBES  
 PLAN - PUMP C - 30" TO 30"

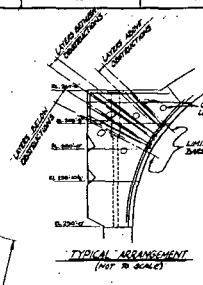
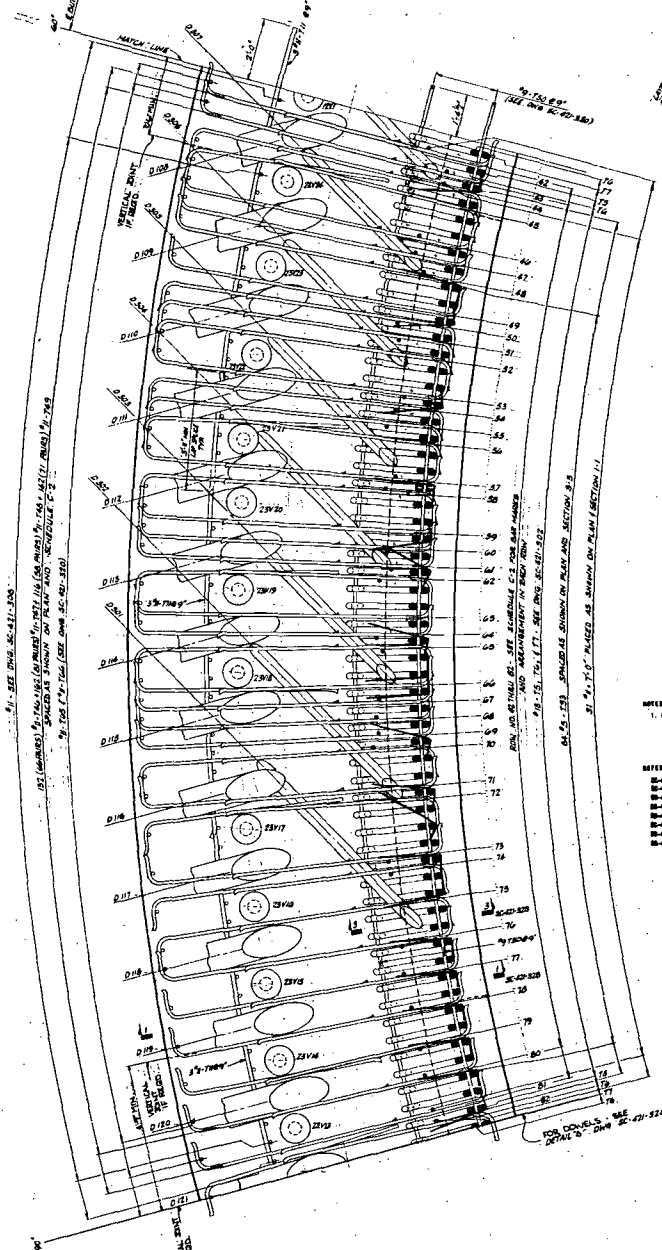
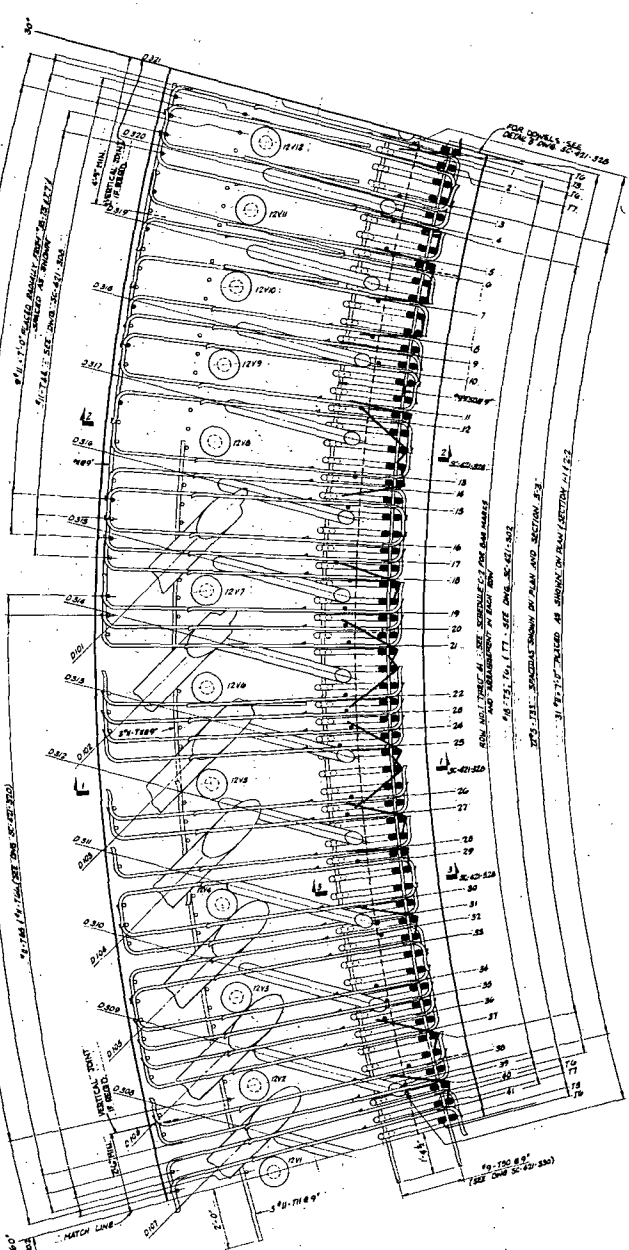
55,000 LBW

OLBERT ASSOCIATES, INC.  
 ENGINEERS AND ARCHITECTS  
 4803 E. 48th St., St. Petersburg, Florida 34711  
 PHONE 337-4333

**APPROVED**  
 FOR CONSTRUCTION BY  
 ACCORDING TO SPECIFICATIONS  
 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION

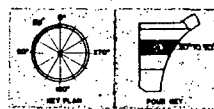
DATE: 4/8/83 RELEASED FOR: ENGR. 4803 E-481-313 SCALE: 1/8"=1'-0" DRAWING NO.: SC-421-313





- NOTES:
1. FOR GENERAL NOTES AND DIMENSIONS SEE SHEET SC-421-311.
- REFERENCES:
- SC-421-308 LIME GROUND PLAN AND SECTION B
  - SC-421-310 LIME GROUND PLAN AND SECTION C
  - SC-421-312 LIME GROUND PLAN AND SECTION D
  - SC-421-314 LIME GROUND PLAN AND SECTION E
  - SC-421-316 LIME GROUND PLAN AND SECTION F
  - SC-421-318 LIME GROUND PLAN AND SECTION G
  - SC-421-320 LIME GROUND PLAN AND SECTION H
  - SC-421-322 LIME GROUND PLAN AND SECTION I
  - SC-421-324 LIME GROUND PLAN AND SECTION J
  - SC-421-326 LIME GROUND PLAN AND SECTION K
  - SC-421-328 LIME GROUND PLAN AND SECTION L
  - SC-421-330 LIME GROUND PLAN AND SECTION M
  - SC-421-332 LIME GROUND PLAN AND SECTION N
  - SC-421-334 LIME GROUND PLAN AND SECTION O
  - SC-421-336 LIME GROUND PLAN AND SECTION P
  - SC-421-338 LIME GROUND PLAN AND SECTION Q
  - SC-421-340 LIME GROUND PLAN AND SECTION R
  - SC-421-342 LIME GROUND PLAN AND SECTION S
  - SC-421-344 LIME GROUND PLAN AND SECTION T
  - SC-421-346 LIME GROUND PLAN AND SECTION U
  - SC-421-348 LIME GROUND PLAN AND SECTION V
  - SC-421-350 LIME GROUND PLAN AND SECTION W
  - SC-421-352 LIME GROUND PLAN AND SECTION X
  - SC-421-354 LIME GROUND PLAN AND SECTION Y
  - SC-421-356 LIME GROUND PLAN AND SECTION Z

COORDINATE		EASTING								NORTHING	
GRID	COORDINATE	1	2	3	4	5	6	7	8	9	10
GRID	COORDINATE	A	B	C	D	E	F	G	H	I	J
1	A	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	B	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	C	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	D	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	E	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	F	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	G	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	H	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	I	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
1	J	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	A	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	B	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	C	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	D	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	E	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	F	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	G	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	H	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	I	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
2	J	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	A	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	B	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	C	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	D	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	E	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	F	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	G	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	H	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	I	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	J	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	A	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	B	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	C	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	D	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	E	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	F	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	G	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	H	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	I	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
4	J	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	A	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	B	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	C	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	D	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	E	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	F	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	G	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	H	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	I	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5	J	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00



FIELD CHANGE NO. 77202 ADDED REQUIREMENTS FOR EXISTING VERTICAL CONSTRUCTION Joints

**FLORIDA POWER CORPORATION**  
 81 PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 855,000 KW

DESIGNED BY: GILBERT ASSOCIATES, INC.  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

**APPROVED**  
 FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION  
 [Signature]

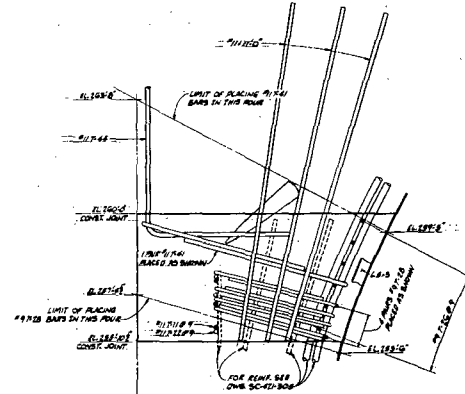
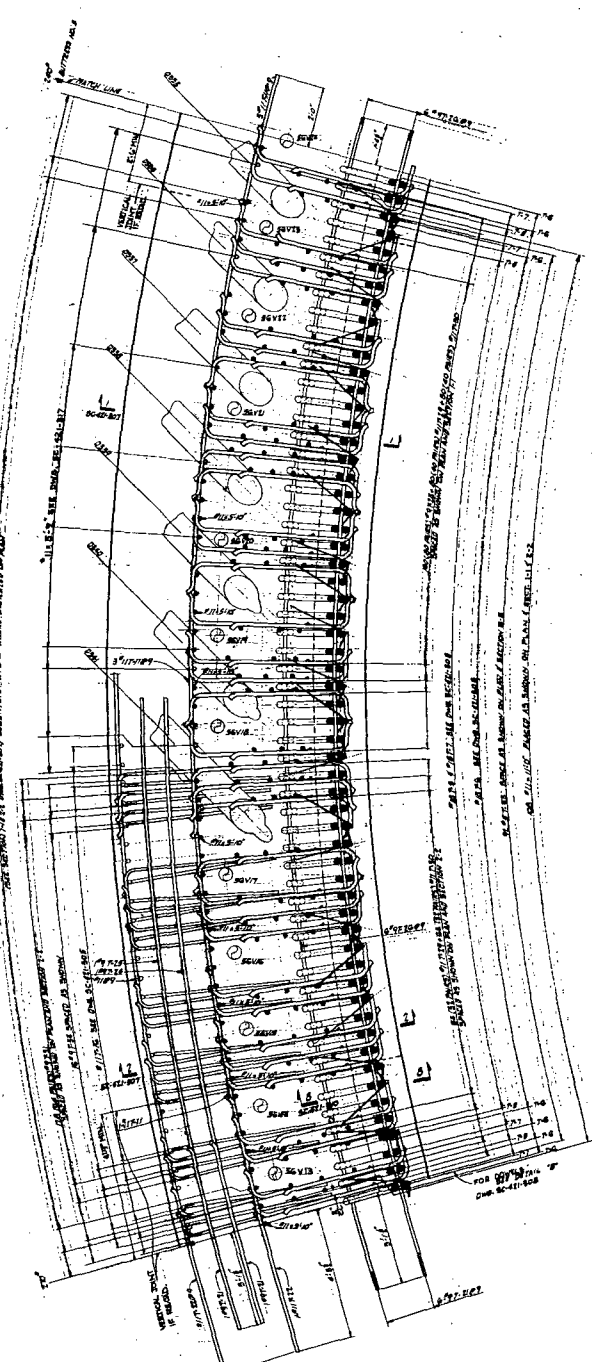
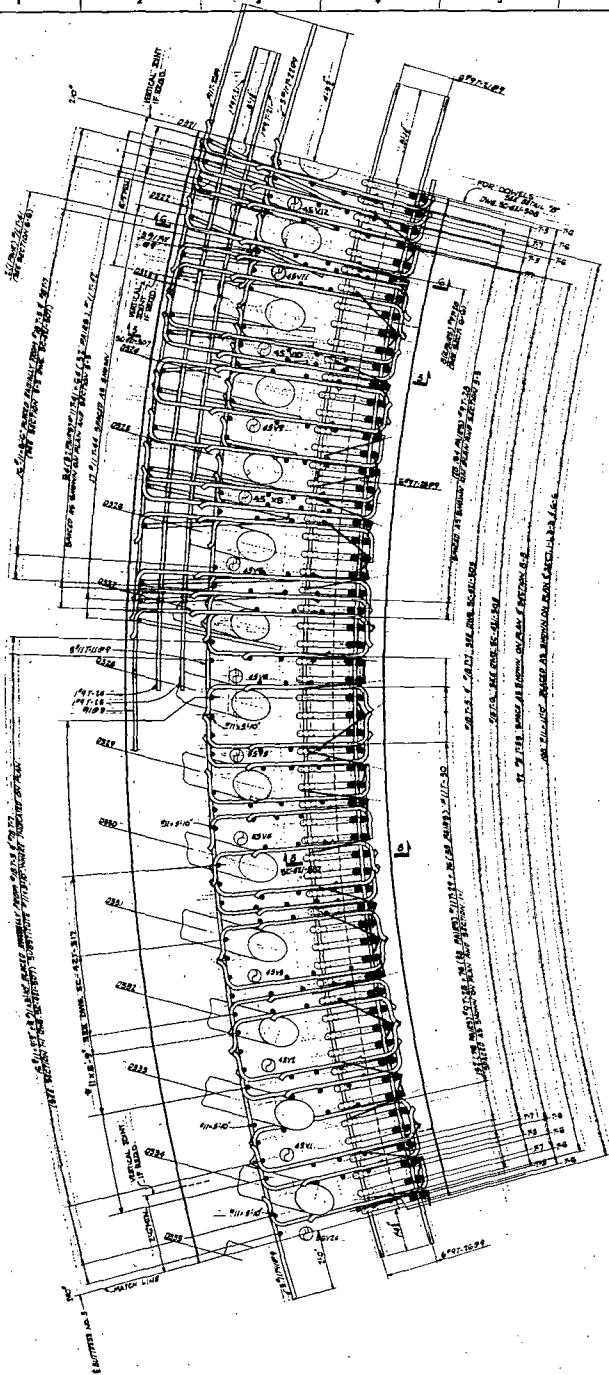
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4203 E-421-314 SC-421-314

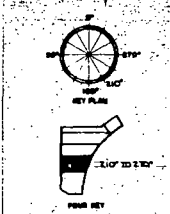
CONSTRUCTION LIMITED CONSTRUCTION AS NOTED PRELIMINARY SET FOR CONSTRUCTION SECOND PURPOSES ONLY

DATE: [Blank] RELEASED FOR: [Blank] ENDOR: [Blank]

4203 E-421-314 SC-421-314



1. AS SHOWN AND AS NOTED BY CROSS SECTION.
2. FIELD CHANGE NO. 73-224, ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS.
3. ADJUSTED LOCATIONS OF TYPED PLAYS.
4. MARK ON PLAN SHOULD REFER TO 114-B-27.

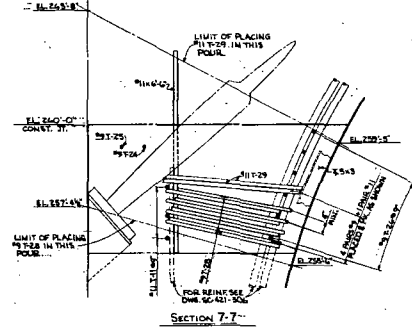
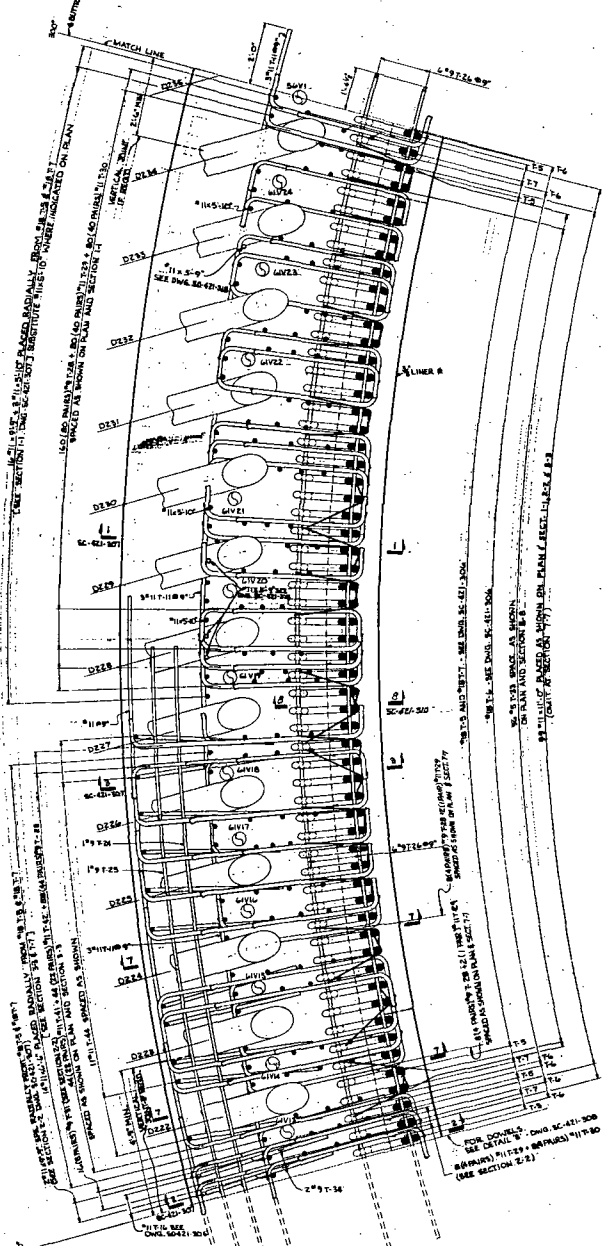
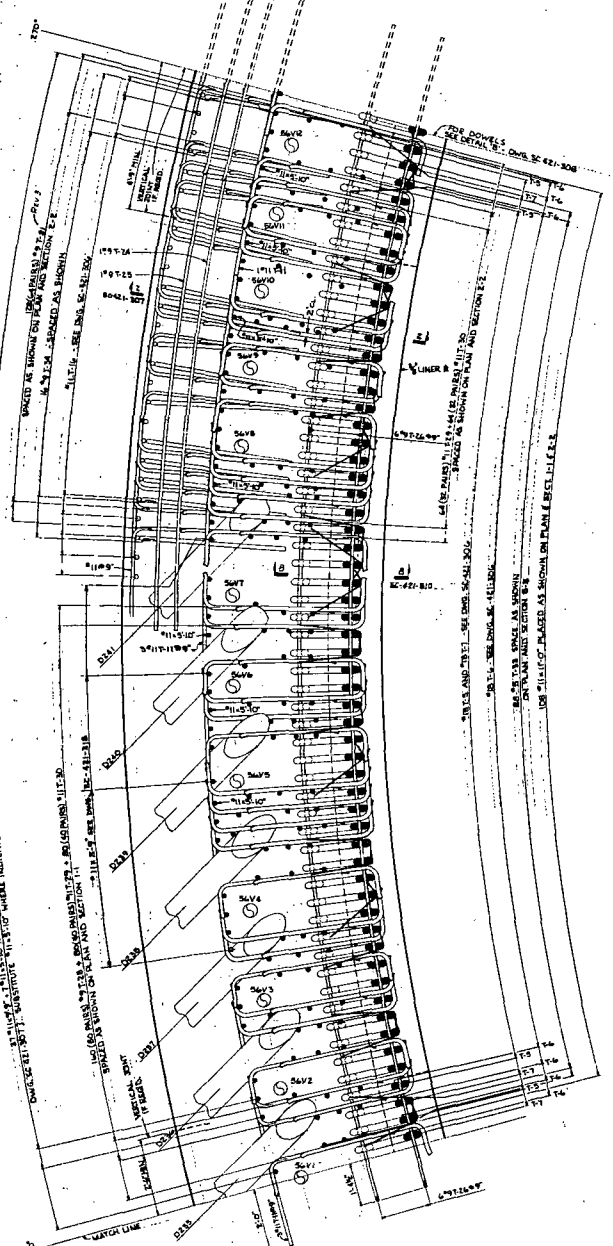


1	FIELD CHANGE NO. 73-224, ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS.	11/14/57
2	ADJUSTED LOCATIONS OF TYPED PLAYS.	11/14/57
3	MARK ON PLAN SHOULD REFER TO 114-B-27.	11/14/57

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 253,000 KW  
 REACTOR BUILDING  
 BEAM GRABER  
 PLAN & SECTION - PART 2 210' TO 270'

DATE	PREPARED FOR	ENGR.	SCALE	NO. OF SHEETS	TOTAL SHEETS
11/14/57	GEIEST ASSOCIATES, INC.	[Signature]	E-4E1-311	2	2

**APPROVED**  
 FOR CONSTRUCTION BY  
 ALORCA PROJECT GROUP, INC.  
 2 SC-421-311  
 10 SHEETS TOTAL



REVISIONS:

NO.	DESCRIPTION	DATE
1	AS SHOWN ON SC-421-308	10/20/54
2	FOR REVISIONS	11/15/54
3	FOR REVISIONS	11/22/54
4	FOR REVISIONS	12/2/54
5	FOR REVISIONS	12/8/54
6	FOR REVISIONS	12/15/54
7	FOR REVISIONS	12/22/54
8	FOR REVISIONS	12/29/54
9	FOR REVISIONS	1/5/55
10	FOR REVISIONS	1/12/55
11	FOR REVISIONS	1/19/55
12	FOR REVISIONS	1/26/55
13	FOR REVISIONS	2/2/55
14	FOR REVISIONS	2/9/55
15	FOR REVISIONS	2/16/55
16	FOR REVISIONS	2/23/55
17	FOR REVISIONS	2/23/55

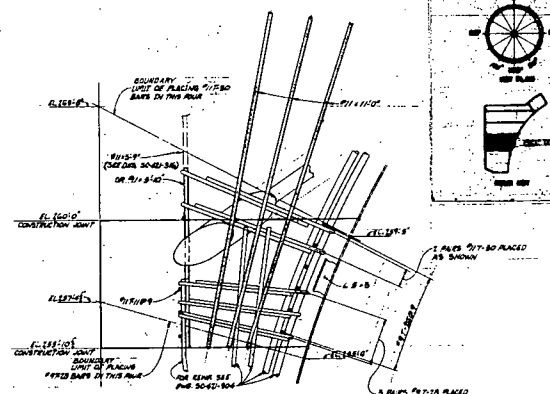
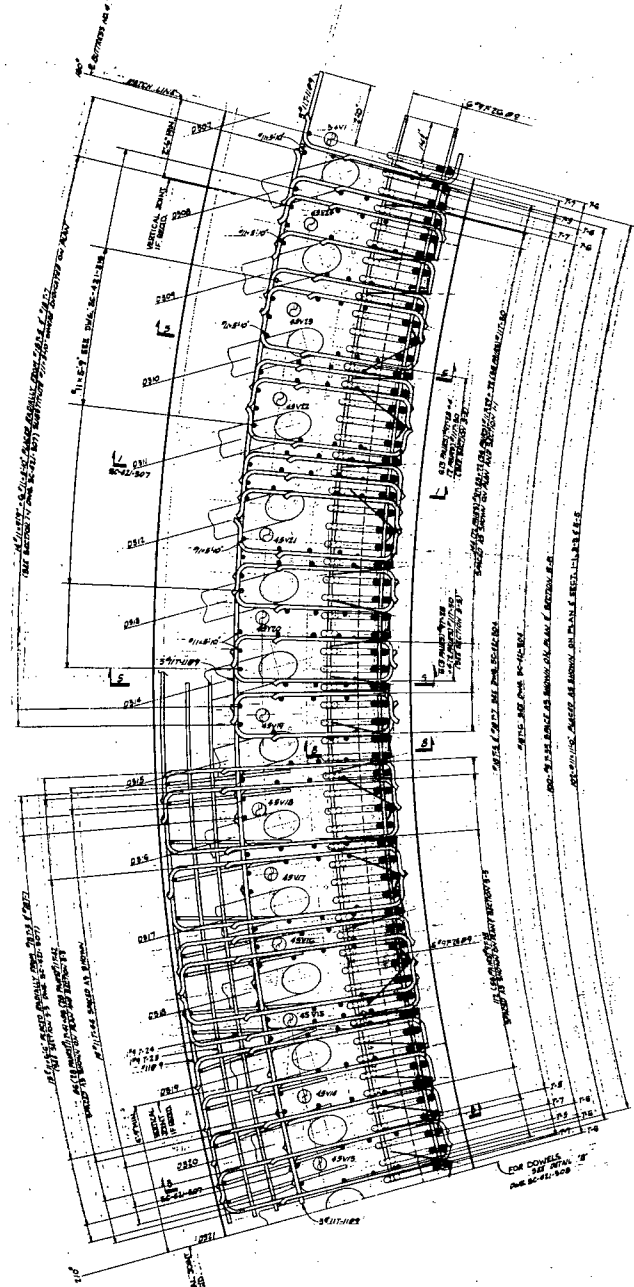
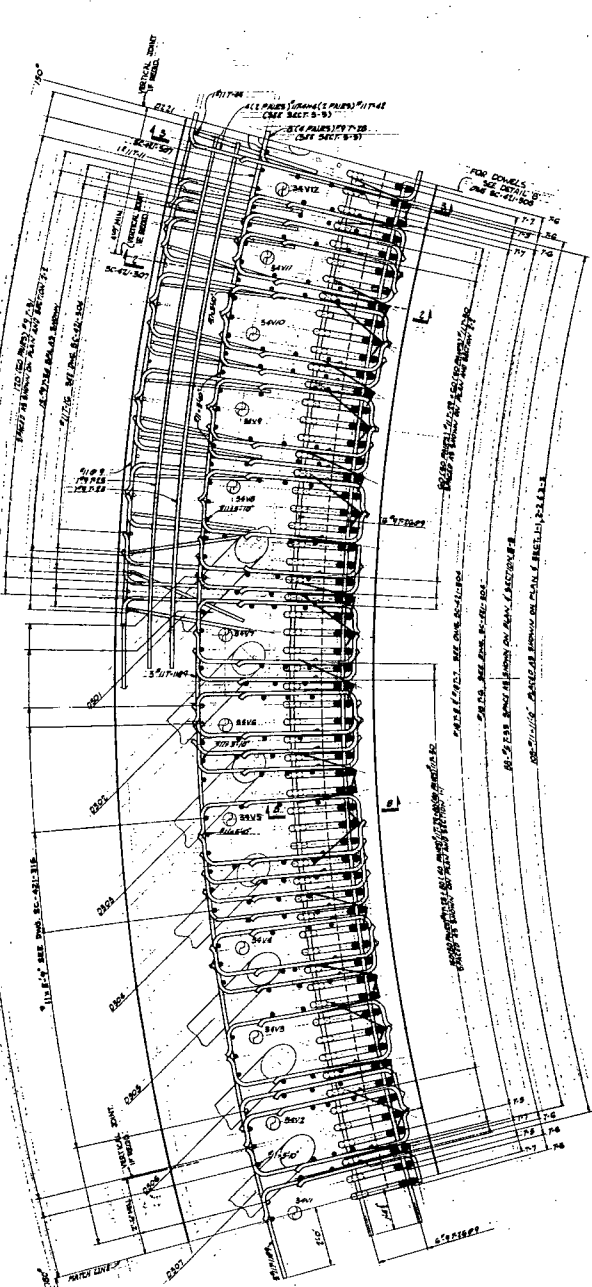
REVISIONS:

NO.	DESCRIPTION	DATE
1	ADJUSTED LOCATIONS OF REINFORCEMENT BARS ON PLANS	11/15/54
2	CHANGED REINFORCEMENT BARS AS NOTED	11/22/54
3	CHANGED REINFORCEMENT BARS AS NOTED	12/2/54
4	CHANGED REINFORCEMENT BARS AS NOTED	12/8/54
5	CHANGED REINFORCEMENT BARS AS NOTED	12/15/54
6	CHANGED REINFORCEMENT BARS AS NOTED	12/22/54
7	CHANGED REINFORCEMENT BARS AS NOTED	12/29/54
8	CHANGED REINFORCEMENT BARS AS NOTED	1/5/55
9	CHANGED REINFORCEMENT BARS AS NOTED	1/12/55
10	CHANGED REINFORCEMENT BARS AS NOTED	1/19/55
11	CHANGED REINFORCEMENT BARS AS NOTED	1/26/55
12	CHANGED REINFORCEMENT BARS AS NOTED	2/2/55
13	CHANGED REINFORCEMENT BARS AS NOTED	2/9/55
14	CHANGED REINFORCEMENT BARS AS NOTED	2/16/55
15	CHANGED REINFORCEMENT BARS AS NOTED	2/23/55

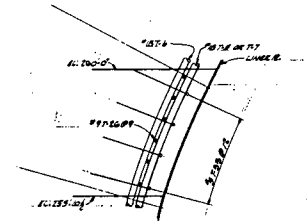
**FLORIDA POWER CORPORATION**  
 11 VERDARA ROAD  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2 235,000 KW  
 REACTOR BUILDING  
 RING GIRDER

DRAWN BY ENGINEER CHECKED BY SUPERVISOR DATE	LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION SHOULD APPROVE ONLY	CHECKED BY ENGINEER CHECKED BY SUPERVISOR DATE	APPROVED FOR CONSTRUCTION BY ENGINEER APPROVED FOR CONSTRUCTION BY SUPERVISOR DATE
--	--	--	--

DATE RELEASED FOR ENGR  
 NO. 4205 E-421-312  
 SC-421-312  
 (SEE REVISIONS)



SECTION 5-5



SECTION 8-8

NOTES:  
1. SEE SHEET NO. 2 FOR DETAILS OF BEAMS 6-10-21.

REVISIONS:  
 1. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 2. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 3. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 4. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 5. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 6. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 7. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 8. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 9. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN  
 10. 10'-0" DIMENSION TO BE CHANGED TO 10'-0" IN PLAN

2 FIELD CHANGE NO. 73-270 ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS  
 1 ADJUSTED LOCATIONS OF THIRD FLOOR BEAMS ON PLAN (E. SECT. 5 & E. SECT. 8) TO 11'-0" TO 11'-6"

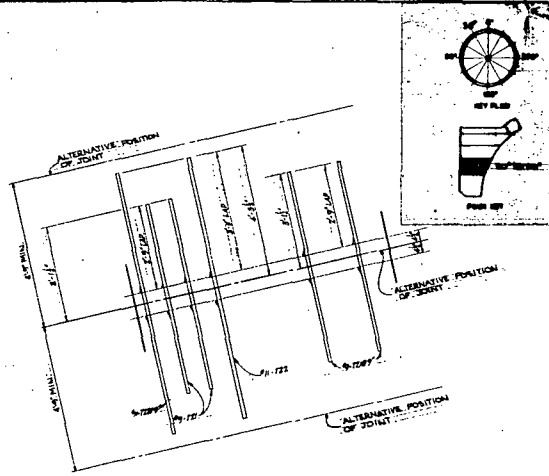
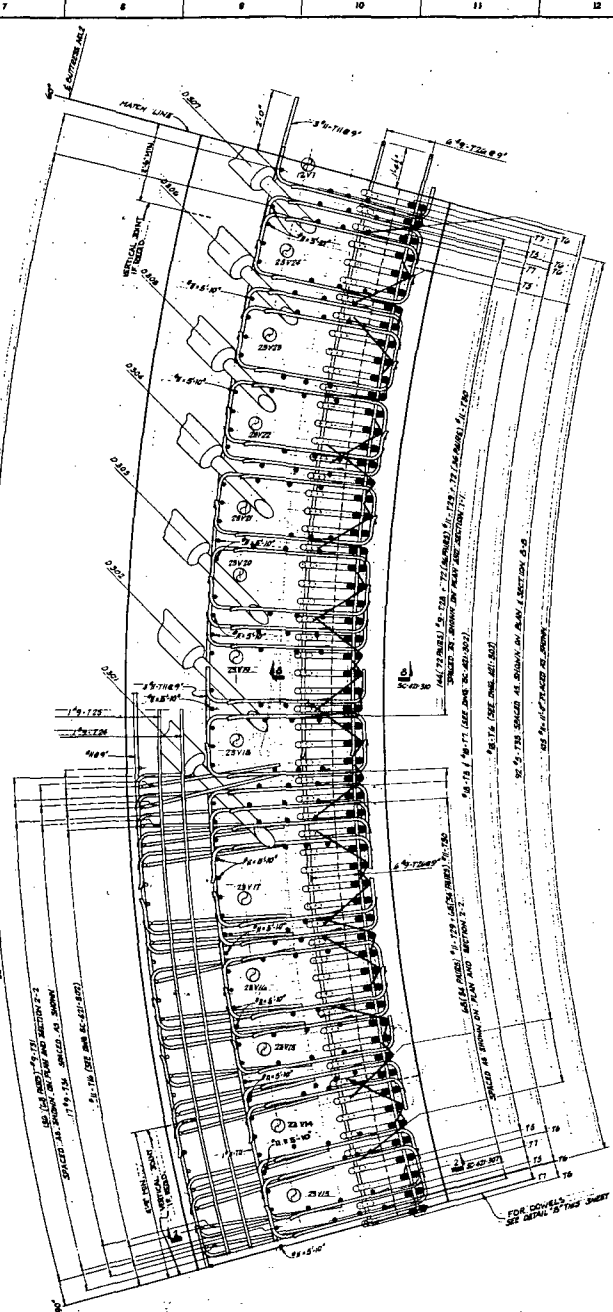
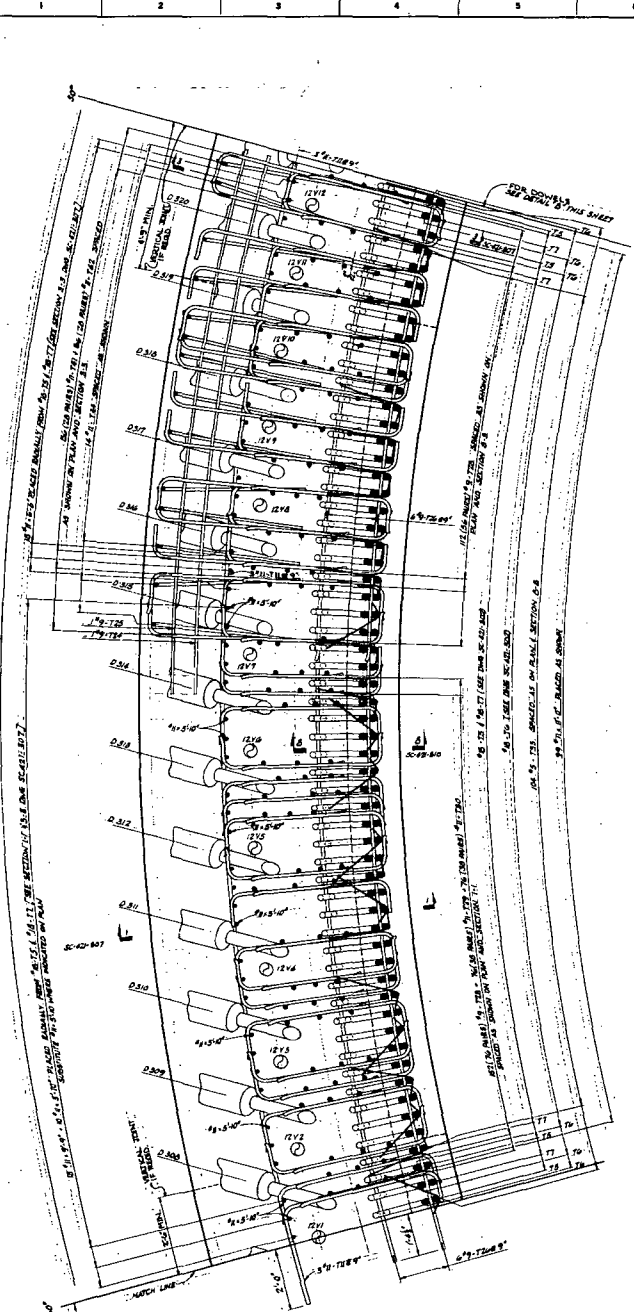
FLORIDA POWER CORPORATION  
 21 PETTIBOND AVENUE  
 MIAMI, FLORIDA 33132  
 UNIT NO. 2 255,000 KW

PLANT & SECTION - POWER 3 150' TO 210'

GILBERT ASSOCIATES, INC.  
 4203 E. 42nd Street, Suite 200, Miami, Florida 33140  
 4203 E-421-310

APPROVED FOR CONSTRUCTION BY  
 [Signature]  
 2 SC-421-310

DATE	PREPARED FOR	INDR

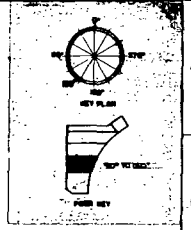
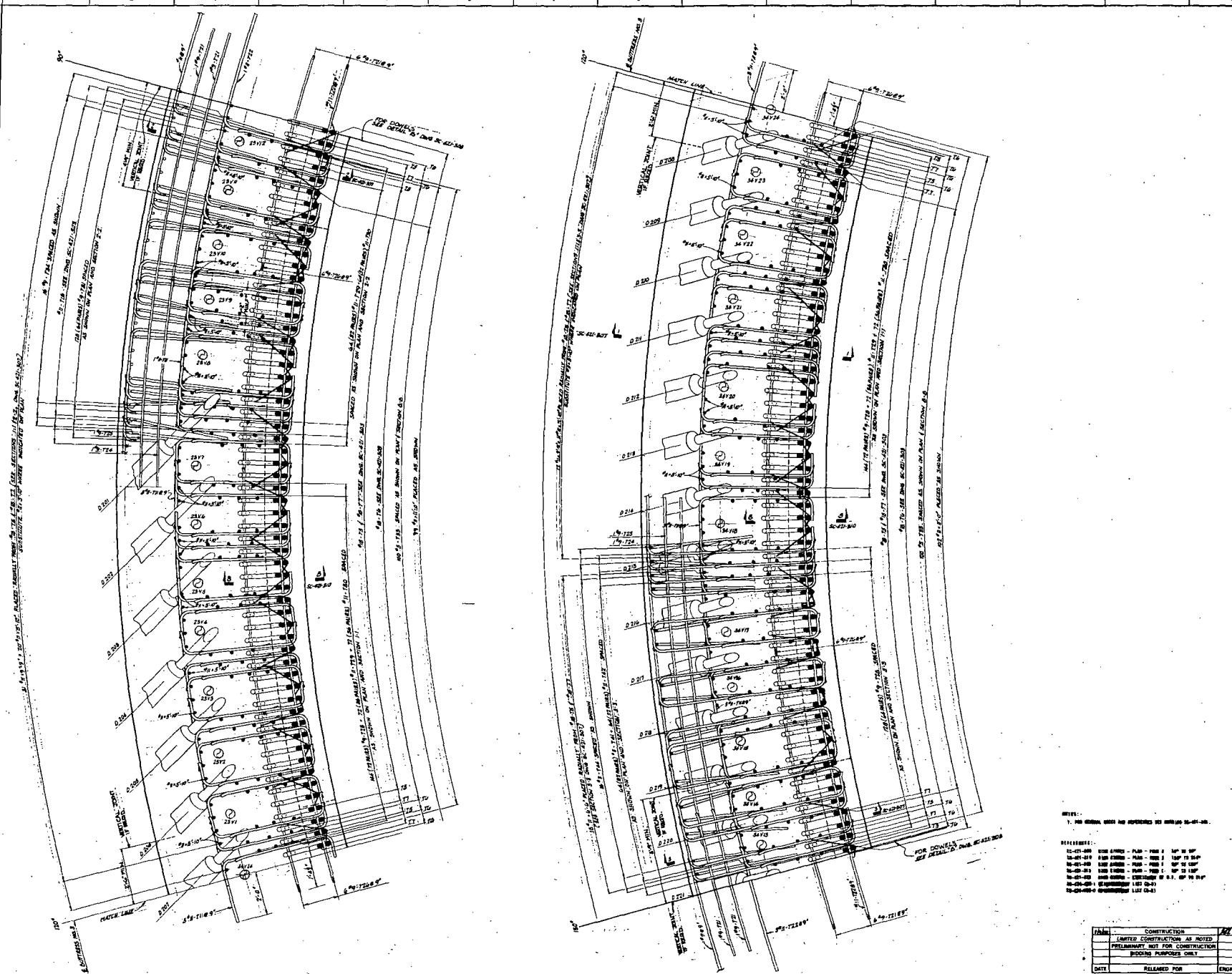


- NOTES:
1. FOR DETAILS OF THIS SHEET SEE DETAIL 2-B, 2-C, 2-D.
- REFERENCES:
- SC-42-007
  - SC-42-008
  - SC-42-009
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  - SC-42-099
  - SC-42-100

2	FIELD CHANGE NO. 77-257 ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS	10/14/68	10/14/68
1	ADJUSTED LOCATIONS OF JOINTS TO SPREAD	10/14/68	10/14/68
1	BASE JOINT PLANS	10/14/68	10/14/68

<b>FLORIDA POWER CORPORATION</b>	
11 WESTWOOD AVENUE CRYSTAL RIVER PLANT	
UNIT NO. 3      851,000 KW	
REACTOR BUILDING	
R104 GLENS	
PLAN & DETAILS - FROM 2 32" x 48"	
DATE	APPROVED
10/14/68	CHERRY ASSOCIATES, INC. (Seal)
10/14/68	FOR CONSTRUCTION BY
10/14/68	SC-421-308

DATE	RELEASED FOR	EMOR	10/14/68	10/14/68	10/14/68
DATE	RELEASED FOR	EMOR	10/14/68	10/14/68	10/14/68
DATE	RELEASED FOR	EMOR	10/14/68	10/14/68	10/14/68



NOTES:  
 1. FOR OTHERS, SEE AS REFERRED TO SHEETS SC-41-30.  
 2. FIELD CHANGE NO. 75-254, ADDED REQUIREMENTS FOR LOCATING STRUCTURAL CONSTRUCTION JOINTS.  
 3. ADJUSTED LOCATIONS OF P.I.S. (150') SPACED BARS ON PLAN AND CORRECTED QUANTITY.

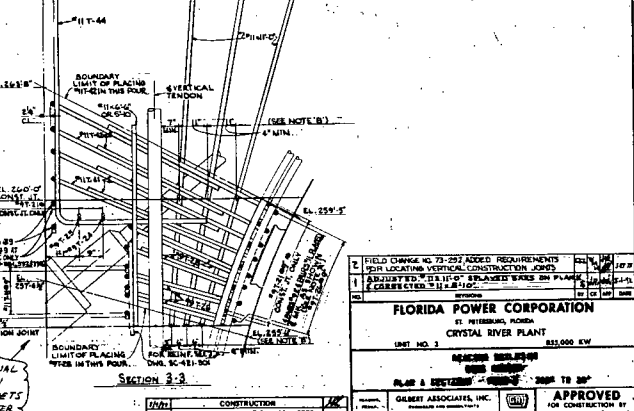
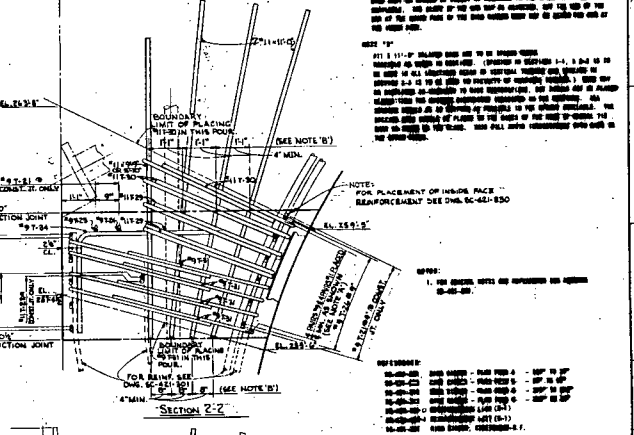
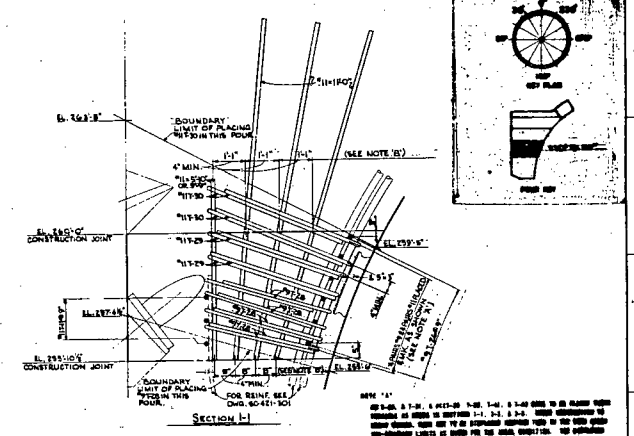
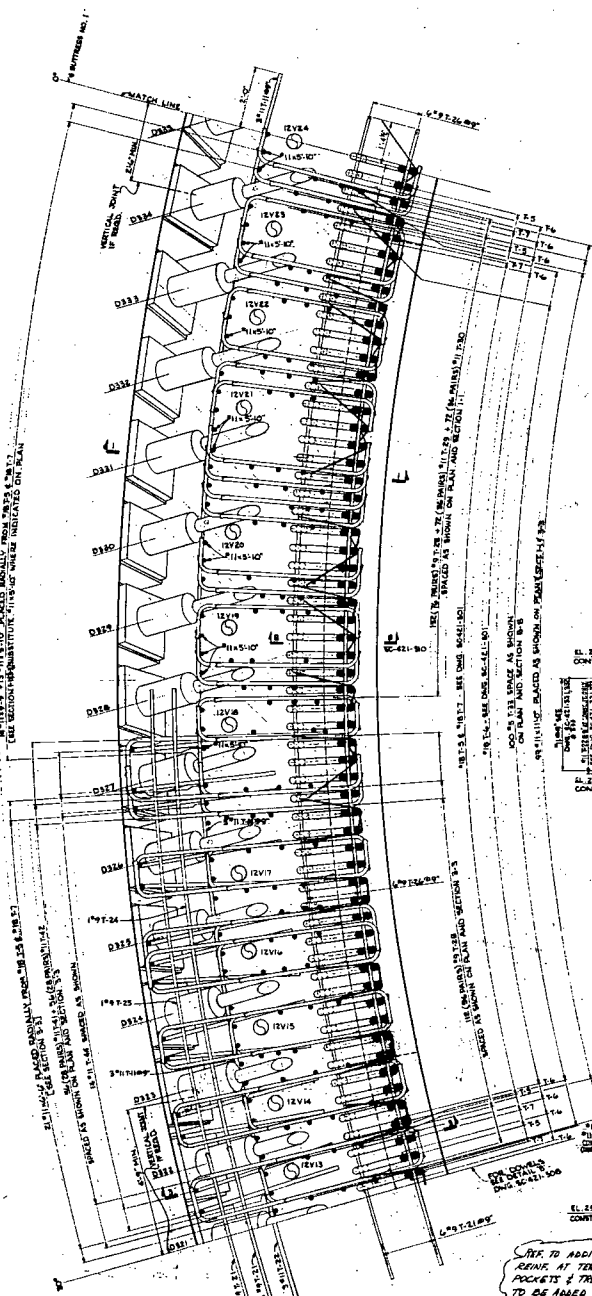
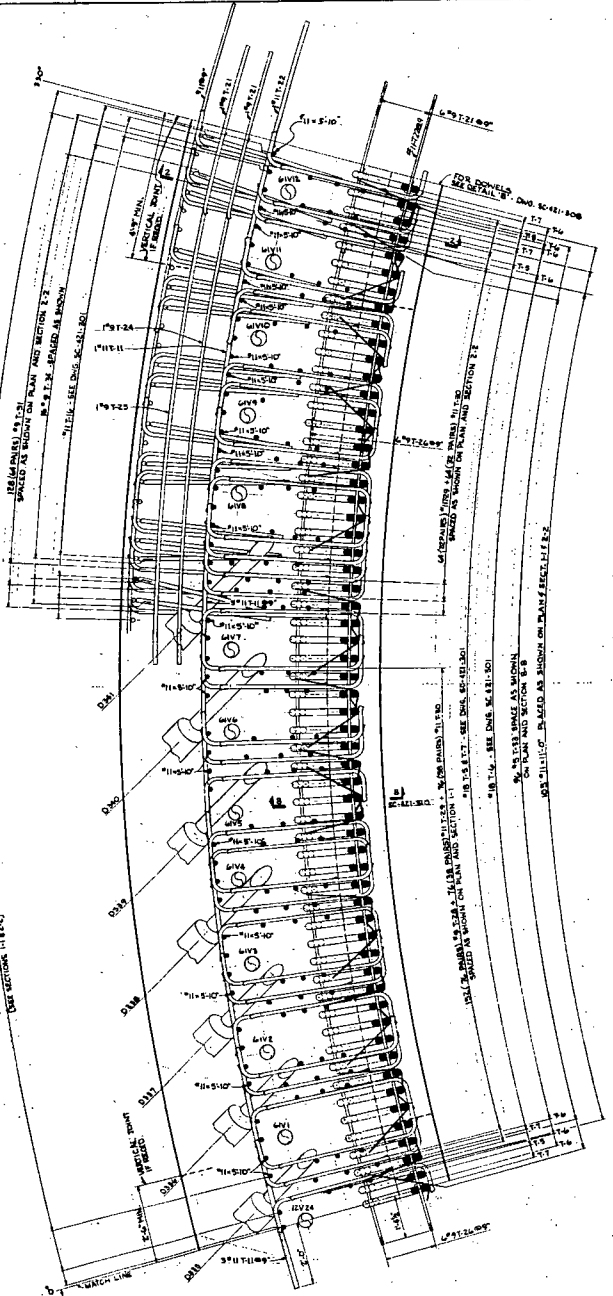
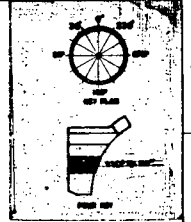
REVISIONS:

10-01-60	100	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	101	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	102	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	103	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	104	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	105	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	106	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	107	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	108	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	109	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	110	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	111	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	112	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	113	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	114	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	115	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	116	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	117	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	118	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	119	1000	PLAN - P.I.S. 1' UP TO 10'
10-01-60	120	1000	PLAN - P.I.S. 1' UP TO 10'

FLORIDA POWER CORPORATION  
 15 FTTHURMAN, TAMPA  
 CRISTAL RIVER PLANT  
 1947 NO. 3 62,000 KW

REACTOR BUILDING  
 1318 SQUARES  
 PLAN - SHEET NO. 98 - 138"

DESIGNED BY	ENGINEER	DATE	RELEASED FOR	ENGR.	NO.	DATE	REVISION
DRYDEN ASSOCIATES, INC.	DRYDEN ASSOCIATES, INC.	10/1/60	10/1/60	DRYDEN ASSOCIATES, INC.	1	10/1/60	1
LIMITED CONSTRUCTION AS NOTED				APPROVED FOR CONSTRUCTION BY			
PRELIMINARY NOT FOR CONSTRUCTION				FOR CONSTRUCTION BY			
WORKING PURPOSES ONLY				FOR CONSTRUCTION BY			
SC-421-309				SC-421-309			



REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.

REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
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 REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.

NOTE 1: REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 NOTE 2: REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 NOTE 3: REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.  
 NOTE 4: REINFORCEMENT SHALL BE PLACED AS SHOWN ON PLAN AND SECTION 1-1.

SEE TO ADDITIONAL  
 POCKETS & TRUMPETS  
 TO BE ADDED LATER.

FIELD CHANGE NO. 27-207 ADDED REQUIREMENTS FOR LOCATION VERTICAL CONSTRUCTION JOINTS	DATE	10/17/11
ADJUSTED WEIGHT OF REINFORCEMENT BARS ON PLAN	DATE	10/17/11
COLLECTED. II. 11.10.11	DATE	10/17/11

**FLORIDA POWER CORPORATION**  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 833,000 KW

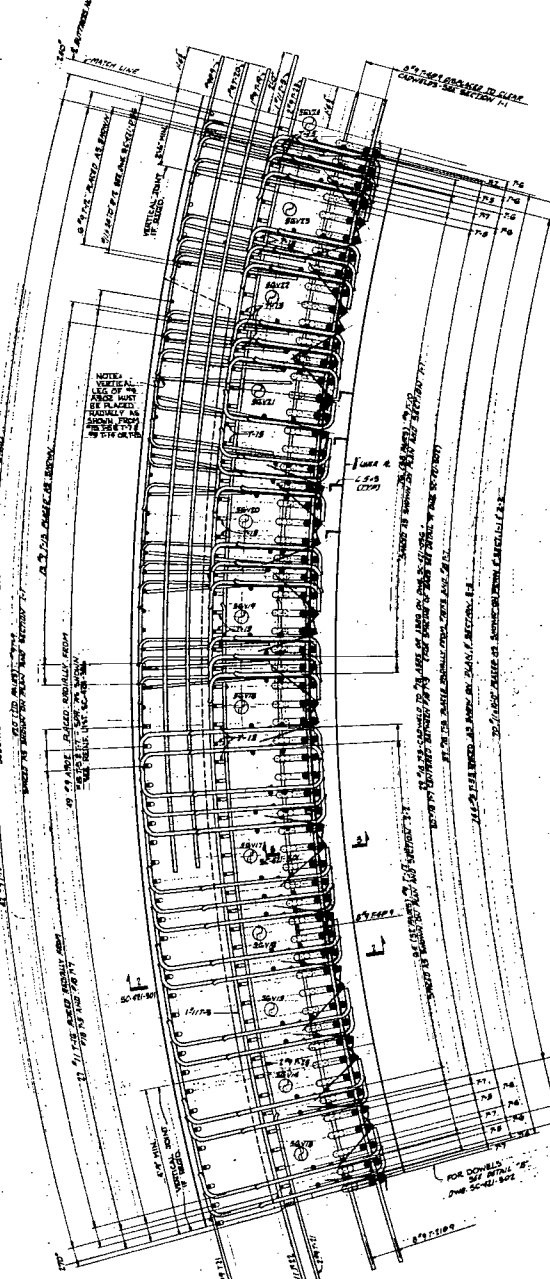
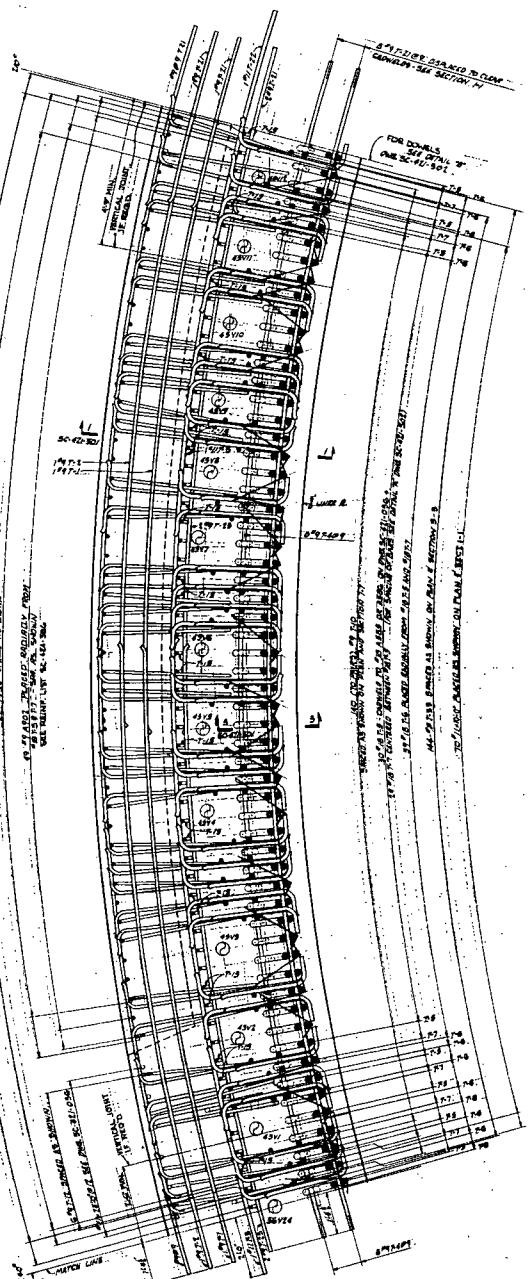
DESIGNED BY: GILBERT ASSOCIATES, INC.  
 DRAWN BY: GILBERT ASSOCIATES, INC.  
 CHECKED BY: GILBERT ASSOCIATES, INC.  
 APPROVED BY: GILBERT ASSOCIATES, INC.

DATE	RELEASED FOR	ENH
NO.	4003	1
DATE	RELEASED FOR	ENH
NO.	4003	1

SC-421-307  
 E-10-15







- FOR DOWNLIFT SEE DRAWING NO. SC-421-301.
- REVISIONS:
- 01-01-68 REVISED PLAN PER 1-11-68 TO 1-11-68
  - 02-01-68 REVISED PLAN PER 1-11-68 TO 1-11-68
  - 03-01-68 REVISED PLAN PER 1-11-68 TO 1-11-68
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  - 11-01-68 REVISED PLAN PER 1-11-68 TO 1-11-68
  - 12-01-68 REVISED PLAN PER 1-11-68 TO 1-11-68
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  - 11-01-69 REVISED PLAN PER 1-11-68 TO 1-11-68
  - 12-01-69 REVISED PLAN PER 1-11-68 TO 1-11-68

1	FIELD CHANGE NO. 78-878		
2	ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS	11/17/68	11/17/68
3	ADDED REF. TO REIN. LIST	11/17/68	11/17/68
4	REVISED "11.9" TO "11.10"	11/17/68	11/17/68
5	REMOVED REINFORCING FROM WALL POUR TO "11.10"	11/17/68	11/17/68
6	ADDED QUALITY ASSURANCE NOTES FOR WALL CONSTRUCTION	11/17/68	11/17/68
7	INDICATED LOC. OF 11.9" ON PLANS	11/17/68	11/17/68
8	ADDED REQUIREMENTS FOR REINFORCING AND LOCATED LOCATIONS FOR TIE ON PLAN	11/17/68	11/17/68

**FLORIDA POWER CORPORATION**  
 61 PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 835,000 KW

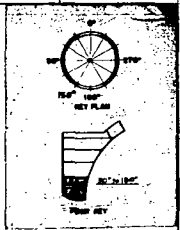
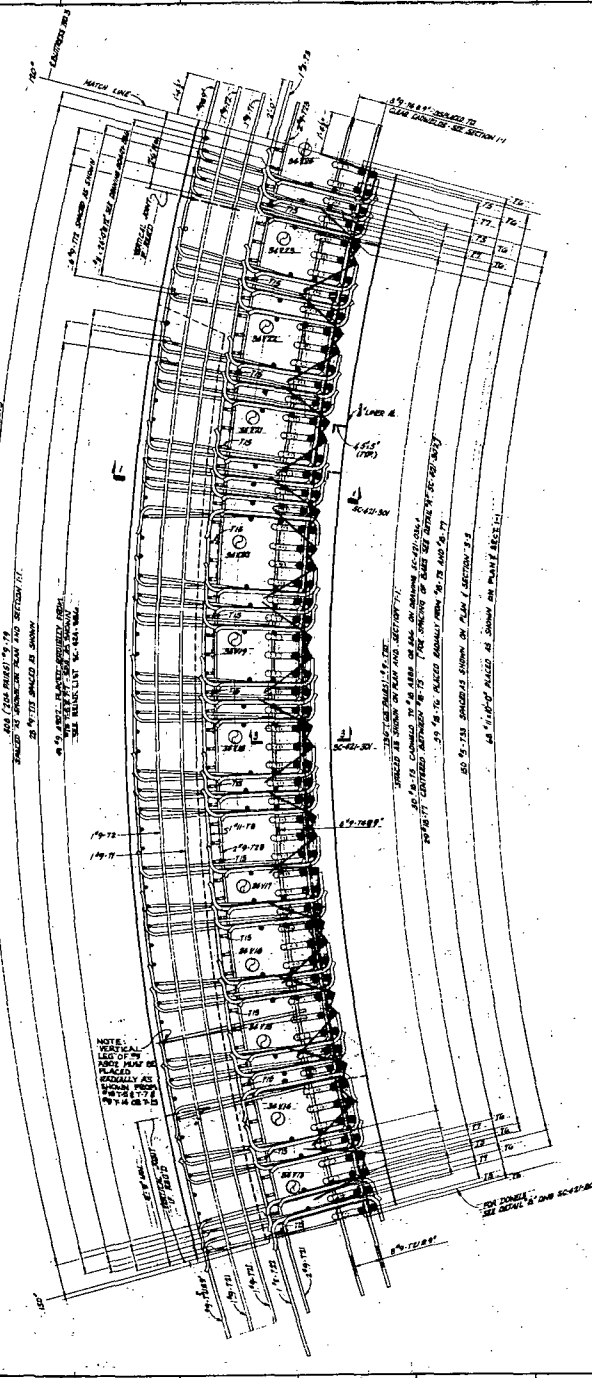
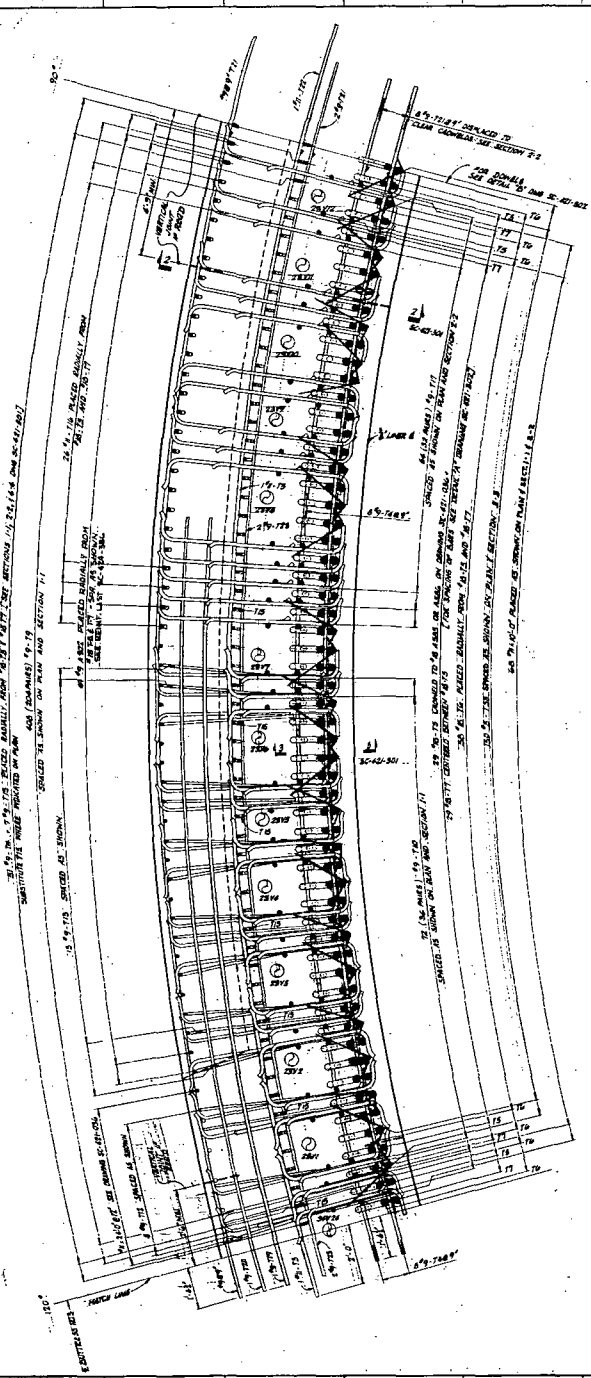
DESIGNED BY GALBREY  
 DRAWN BY [Signature]  
 CHECKED BY [Signature]  
 DATE 11-17-68

BLAS PERM - 88-1-86 - 1218' 78 1989

DESIGNED BY	GALBREY ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY	[Signature]
DRAWN BY	[Signature]	FLORIDA DEPARTMENT OF TRANSPORTATION	[Signature]
CHECKED BY	[Signature]	DATE	11-17-68
DATE	11-17-68	RELEASED FOR	ENCL

SC-421-305

CONSTRUCTION	LIMITED CONSTRUCTION AS NOTED	PRELIMINARY NOT FOR CONSTRUCTION	ISSUES PURPOSES ONLY
DATE	11-17-68	RELEASED FOR	ENCL



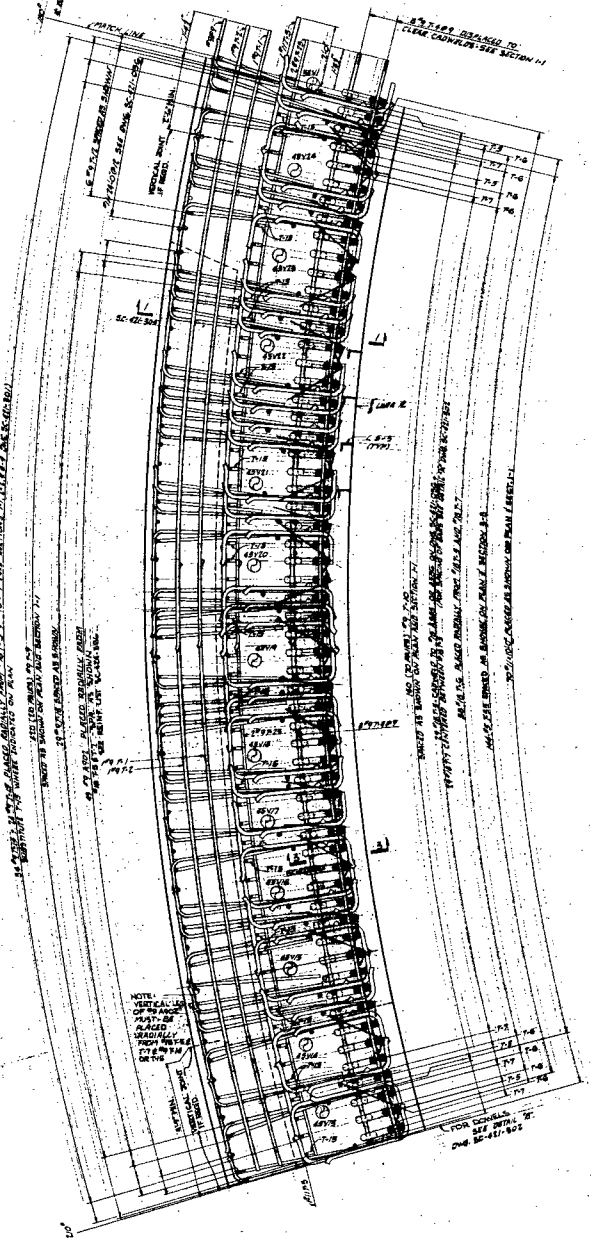
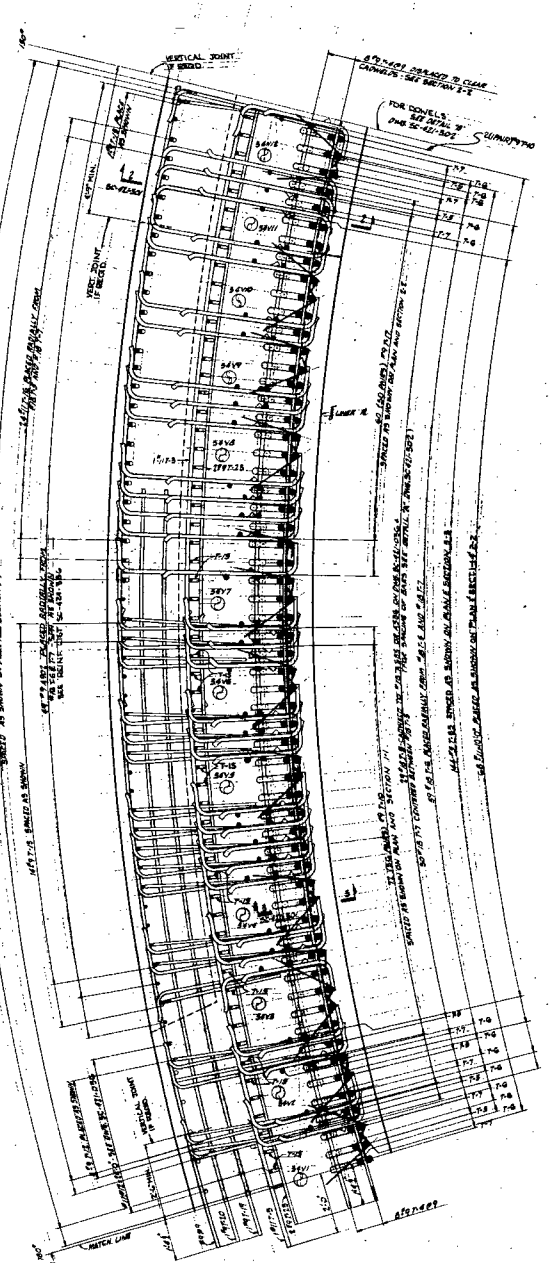
- FOR REVISIONS, SEE ANNOTATIONS ON SHEETS SC-41-30, SC-41-31, SC-41-32, SC-41-33, SC-41-34, SC-41-35, SC-41-36, SC-41-37, SC-41-38, SC-41-39, SC-41-40, SC-41-41, SC-41-42, SC-41-43, SC-41-44, SC-41-45, SC-41-46, SC-41-47, SC-41-48, SC-41-49, SC-41-50, SC-41-51, SC-41-52, SC-41-53, SC-41-54, SC-41-55, SC-41-56, SC-41-57, SC-41-58, SC-41-59, SC-41-60, SC-41-61, SC-41-62, SC-41-63, SC-41-64, SC-41-65, SC-41-66, SC-41-67, SC-41-68, SC-41-69, SC-41-70, SC-41-71, SC-41-72, SC-41-73, SC-41-74, SC-41-75, SC-41-76, SC-41-77, SC-41-78, SC-41-79, SC-41-80, SC-41-81, SC-41-82, SC-41-83, SC-41-84, SC-41-85, SC-41-86, SC-41-87, SC-41-88, SC-41-89, SC-41-90, SC-41-91, SC-41-92, SC-41-93, SC-41-94, SC-41-95, SC-41-96, SC-41-97, SC-41-98, SC-41-99, SC-41-100.

1	FIELD CHANGE NO. 73-276	1	10/15/68
2	ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS	2	10/15/68
3	ADDED REV. TO REIN. LAY	3	10/15/68
4	REVISED REIN. TO READ OF	4	10/15/68
5	REIN. REMOVED FROM W/LE ROW TO	5	10/15/68
6	ADDED DIM. TO REIN. FOR LA. LOCATIONS	6	10/15/68
7	REIN. LAY. TO READ OF	7	10/15/68
8	ADDED ANCHORAGE REINFORCING	8	10/15/68
9	REIN. LAY. TO READ OF	9	10/15/68
10	REIN. LAY. TO READ OF	10	10/15/68

**FLORIDA POWER CORPORATION**  
 11 WEDGWOOD, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2 28,000 KW  
 REACTOR BUILDING  
 REIN. LAY.  
 PLAN AREA (2' X 8') - 10' X 13'-00"

DATE	RELIEVED FOR	ENGR.	REV.	DATE	RELIEVED FOR	ENGR.
10/15/68	4203	E-421-303	SC-421-305	10/15/68	4203	E-421-303

APPROVED FOR CONSTRUCTION BY  
 GIBBY ASSOCIATES, INC.  
 10/15/68  
 E-10-15 P



- REVISIONS:
- 1-2-68 1. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 2. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 3. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 4. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 5. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 6. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 7. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 8. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 9. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 10. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 11. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 12. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 13. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 14. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 15. REVISED TO SHOW 12" DIA. PIPES
  - 1-2-68 16. REVISED TO SHOW 12" DIA. PIPES
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  - 1-2-68 18. REVISED TO SHOW 12" DIA. PIPES
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  - 1-2-68 20. REVISED TO SHOW 12" DIA. PIPES

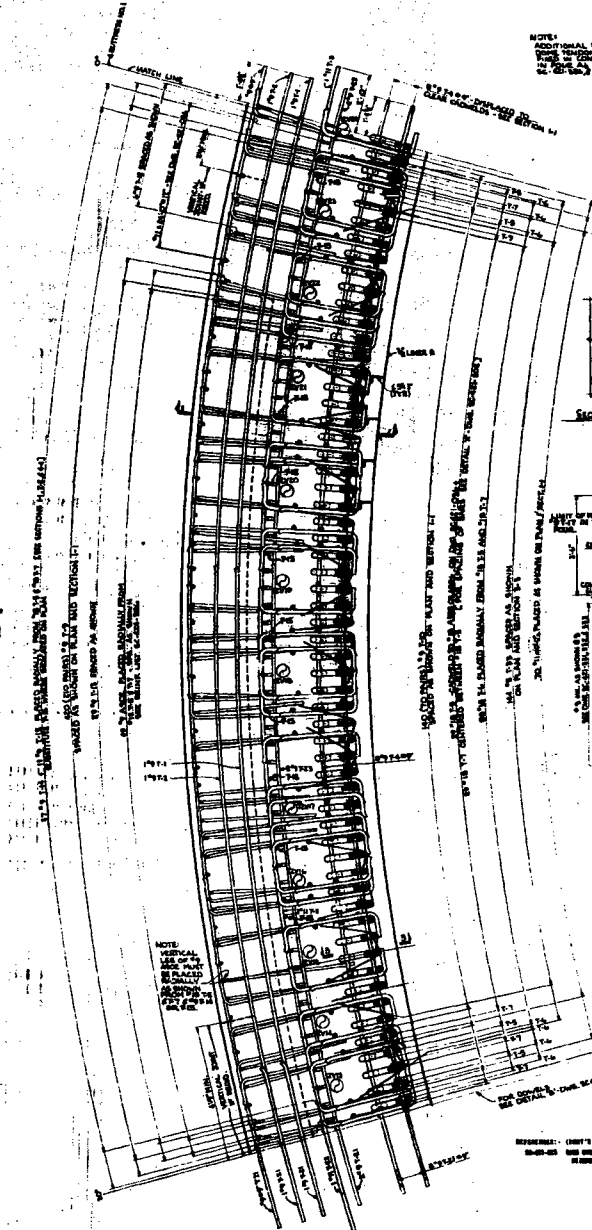
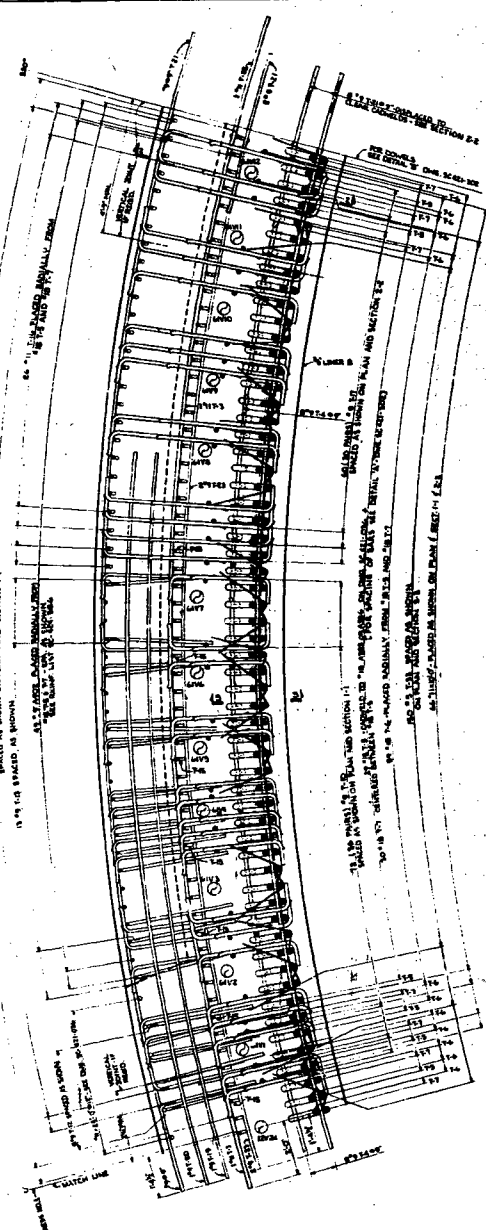
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2	DELETED 2" DIA. AND ADDED 2" DIA. TO	1/2	1/2
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11	DELETED 2" DIA. AND ADDED 2" DIA. TO	1/2	1/2
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17	DELETED 2" DIA. AND ADDED 2" DIA. TO	1/2	1/2
18	DELETED 2" DIA. AND ADDED 2" DIA. TO	1/2	1/2
19	DELETED 2" DIA. AND ADDED 2" DIA. TO	1/2	1/2
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**FLORIDA POWER CORPORATION**  
 11, HERRING ROAD  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2 613,000 KW

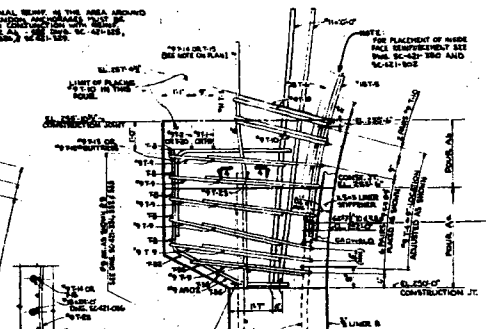
DESIGNED BY: GILBERT ASSOCIATES, INC.  
 DRAWN BY: [Signature]

**APPROVED**  
 FOR CONSTRUCTION BY  
 [Signature]

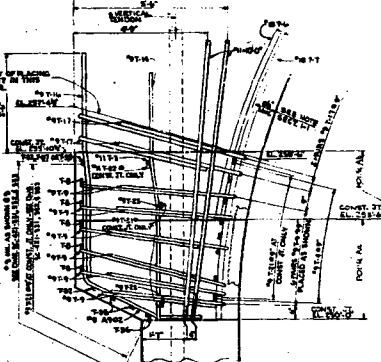
CONSTRUCTION  
 PRELIMINARY NOT FOR CONSTRUCTION  
 BIDDING PURPOSES ONLY  
 DATE: 4-23-68  
 RELEASED FOR: [Signature]



NOTE:  
ADDITIONAL REBAR IN THE AREA BEHIND THE WALL SHOULD BE PLACED AT 12" ON CENTER, OR 20" ON CENTER, OR 24" ON CENTER.



SECTION 1-1



SECTION 2-2



SECTION 3-3

- GENERAL NOTES:
1. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED.
  2. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  3. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  4. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  5. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  6. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  7. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  8. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  9. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.
  10. REBAR: IDENTIFICATION PLACES AND SPACING SHOWN ON THIS DRAWING TO BE USED FOR THE REBAR WHICH IS TO BE USED IN THE WALLS OF THE REACTOR BUILDING.

REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	12-15-50
2	ISSUED FOR CONSTRUCTION	1-10-51
3	ISSUED FOR CONSTRUCTION	2-15-51
4	ISSUED FOR CONSTRUCTION	3-15-51
5	ISSUED FOR CONSTRUCTION	4-15-51
6	ISSUED FOR CONSTRUCTION	5-15-51
7	ISSUED FOR CONSTRUCTION	6-15-51
8	ISSUED FOR CONSTRUCTION	7-15-51
9	ISSUED FOR CONSTRUCTION	8-15-51
10	ISSUED FOR CONSTRUCTION	9-15-51

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	12-15-50
2	ISSUED FOR CONSTRUCTION	1-10-51
3	ISSUED FOR CONSTRUCTION	2-15-51
4	ISSUED FOR CONSTRUCTION	3-15-51
5	ISSUED FOR CONSTRUCTION	4-15-51
6	ISSUED FOR CONSTRUCTION	5-15-51
7	ISSUED FOR CONSTRUCTION	6-15-51
8	ISSUED FOR CONSTRUCTION	7-15-51
9	ISSUED FOR CONSTRUCTION	8-15-51
10	ISSUED FOR CONSTRUCTION	9-15-51

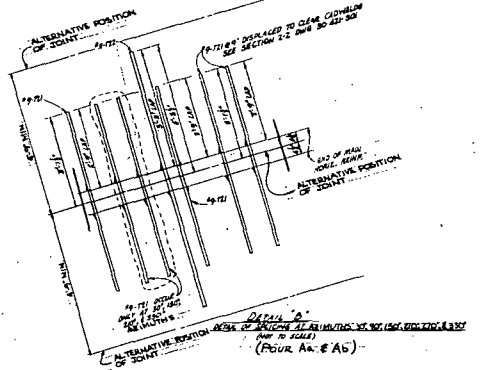
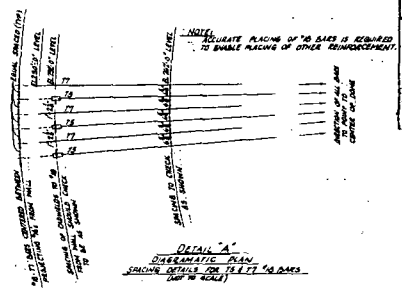
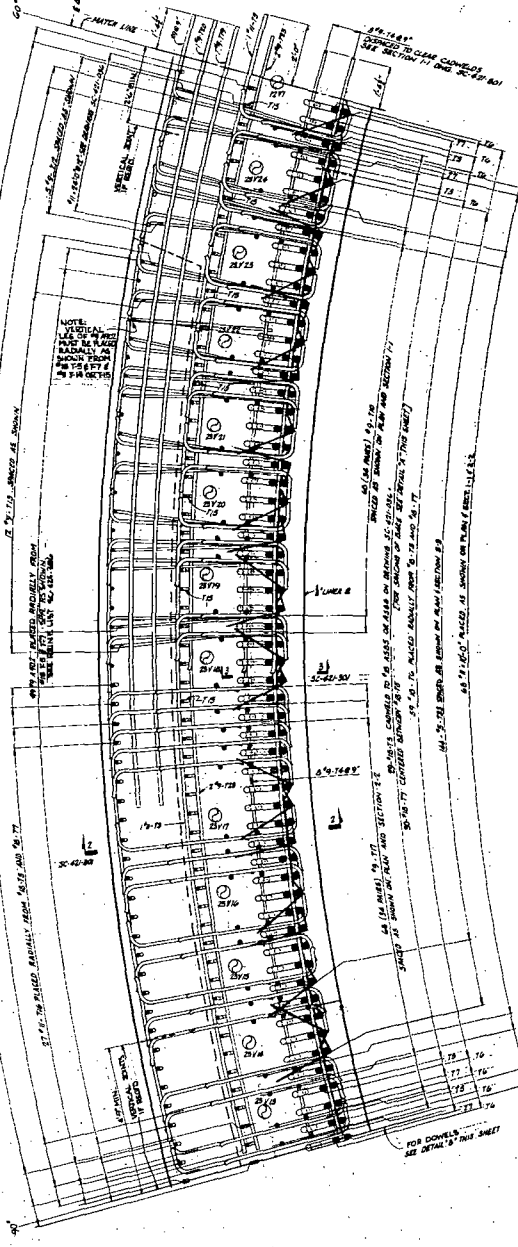
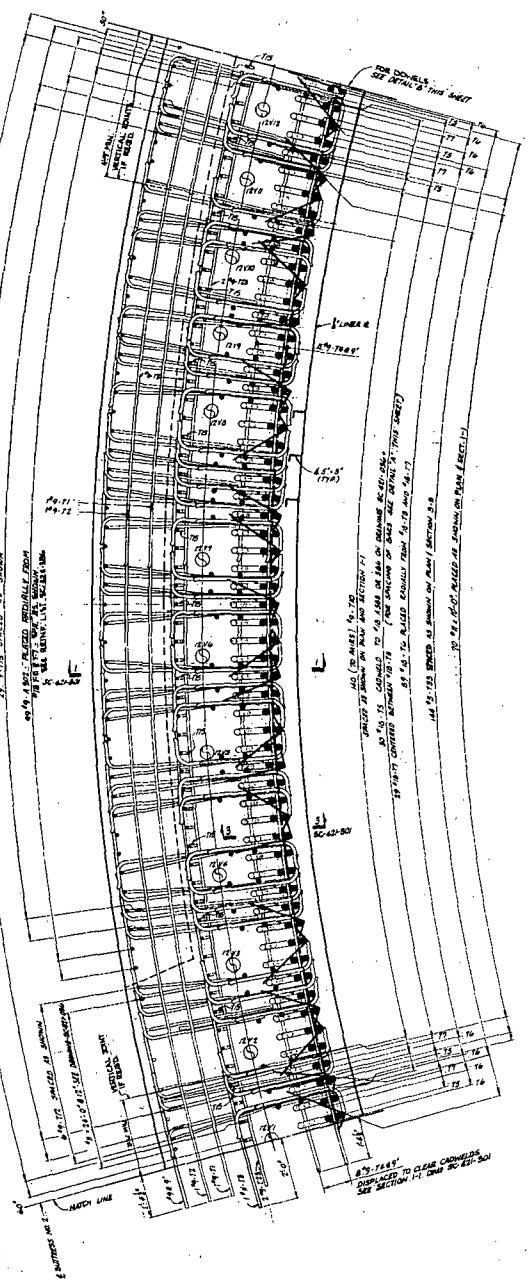
**FLORIDA POWER CORPORATION**  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2  
 REACTOR BUILDING  
 REINFORCING  
 PLAN & SECTIONS - REBAR AS SHOWN ON THIS DRAWING

DESIGNED BY	ENGINEER	CHECKED BY	DATE
APPROVED BY	DATE	APPROVED BY	DATE

APPROVED FOR CONSTRUCTION

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	12-15-50
2	ISSUED FOR CONSTRUCTION	1-10-51
3	ISSUED FOR CONSTRUCTION	2-15-51
4	ISSUED FOR CONSTRUCTION	3-15-51
5	ISSUED FOR CONSTRUCTION	4-15-51
6	ISSUED FOR CONSTRUCTION	5-15-51
7	ISSUED FOR CONSTRUCTION	6-15-51
8	ISSUED FOR CONSTRUCTION	7-15-51
9	ISSUED FOR CONSTRUCTION	8-15-51
10	ISSUED FOR CONSTRUCTION	9-15-51

45'-0" DIA. 12" THICK REINFORCED CONCRETE PILING (70'-7" CASE BEHINDS) AS SHOWN IN SECTION 7-7  
 SUBSTITUTION FOR WORKER INDICATED ON PLAN  
 TO BE PLACED AS SHOWN ON PLAN AND SECTION 7-7  
 5'-0" DIA. 12" THICK REINFORCED CONCRETE PILING AS SHOWN IN SECTION 7-7



- 7-1-15
- 7-1-16
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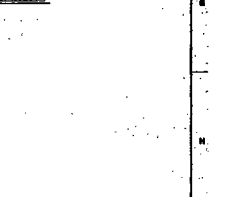
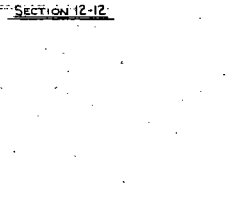
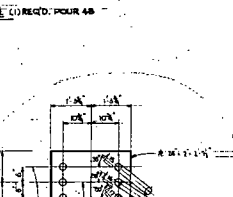
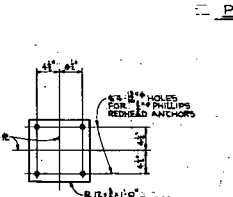
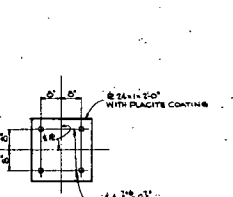
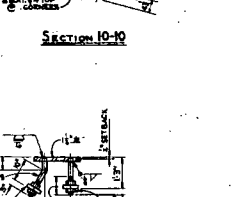
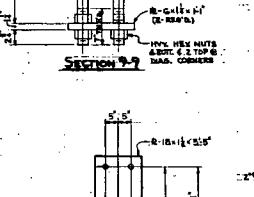
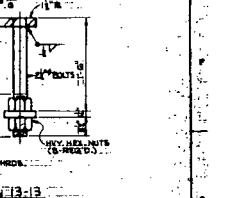
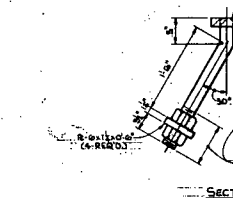
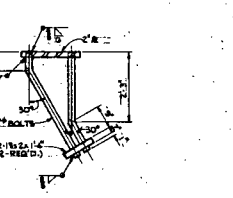
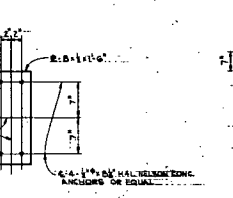
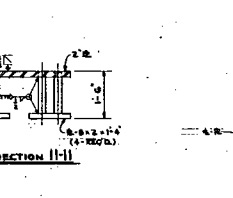
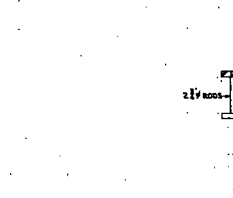
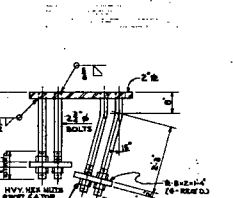
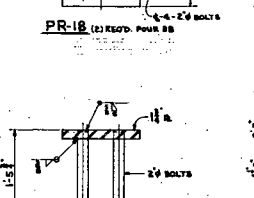
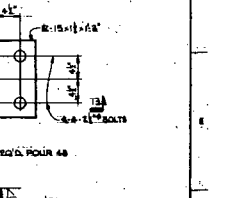
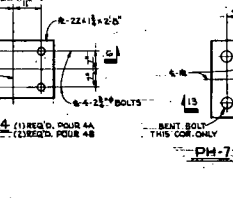
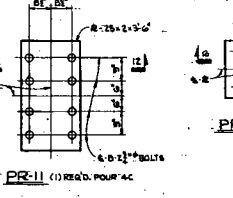
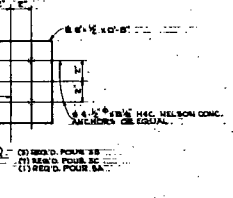
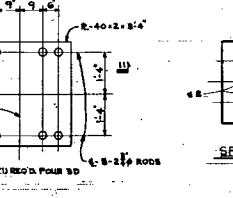
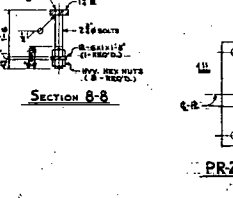
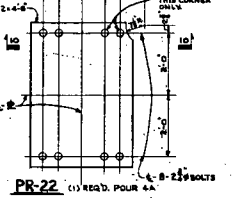
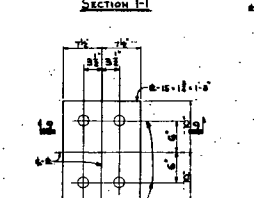
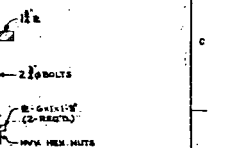
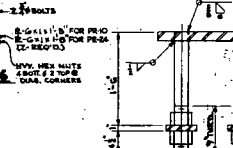
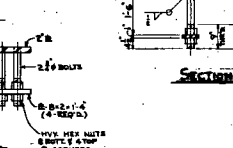
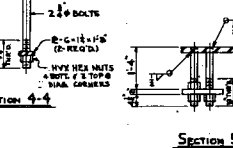
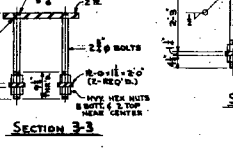
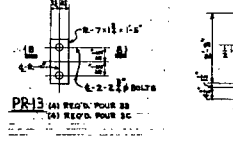
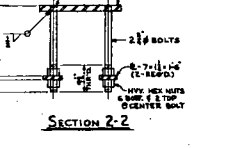
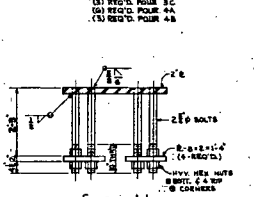
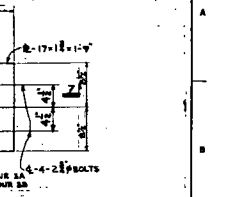
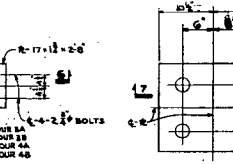
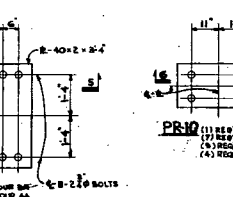
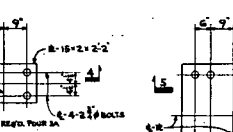
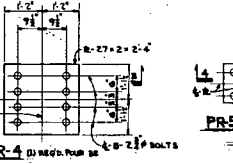
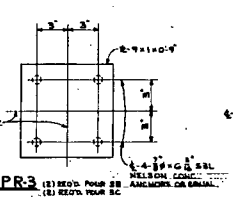
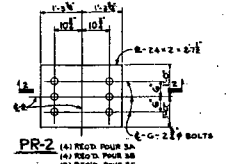
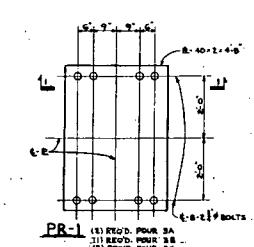
7	FIELD CHANGE NO. 72-276		
8	ADDED REQUIREMENTS FOR LOCATING VERTICAL CONSTRUCTION JOINTS	7/27/57	7/27/57
9	ADDED REF. TO BEING LIST	7/27/57	7/27/57
10	REVISED "14"10" TO "14"10"	7/27/57	7/27/57
11	CORRECTED BEARING TO 7"14" IN PLAN 6"14" TO 7"14" TO 11"14" A	7/27/57	7/27/57
12	REWORKS REMOVED FROM WALL FOUR TO 11"14" A	7/27/57	7/27/57
13	ADDED CHART AND NOTES FOR LOCATION FOR INDICATED ON 11"14" TO ON PLAN	7/27/57	7/27/57
14	ADDED ANCHORAGE REINFORCEMENT AND INDICATED LOCATION OF YES ON PLAN	7/27/57	7/27/57

**FLORIDA POWER CORPORATION**  
 11 PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2  
 REACTION BUILDING  
 42ND FLOOR  
 PLAN 2 (REVISED) - (200) - 400 - 400 - 50' - 20' - 20' - 20'

**APPROVED**  
 FOR CONSTRUCTION BY  
 LIMITED CONSTRUCTION AS NOTED  
 PRELIMINARY NOT FOR CONSTRUCTION  
 BIDDING PURPOSES ONLY

DATE: 8/20/57  
 RELEASED FOR: [ ]  
 DRAWN: [ ]  
 CHECKED: [ ]  
 ENGINEER: [ ]  
 PROJECT NO. 4803  
 E-421-302  
**SC-421-302**



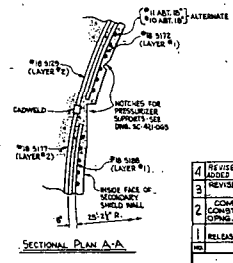
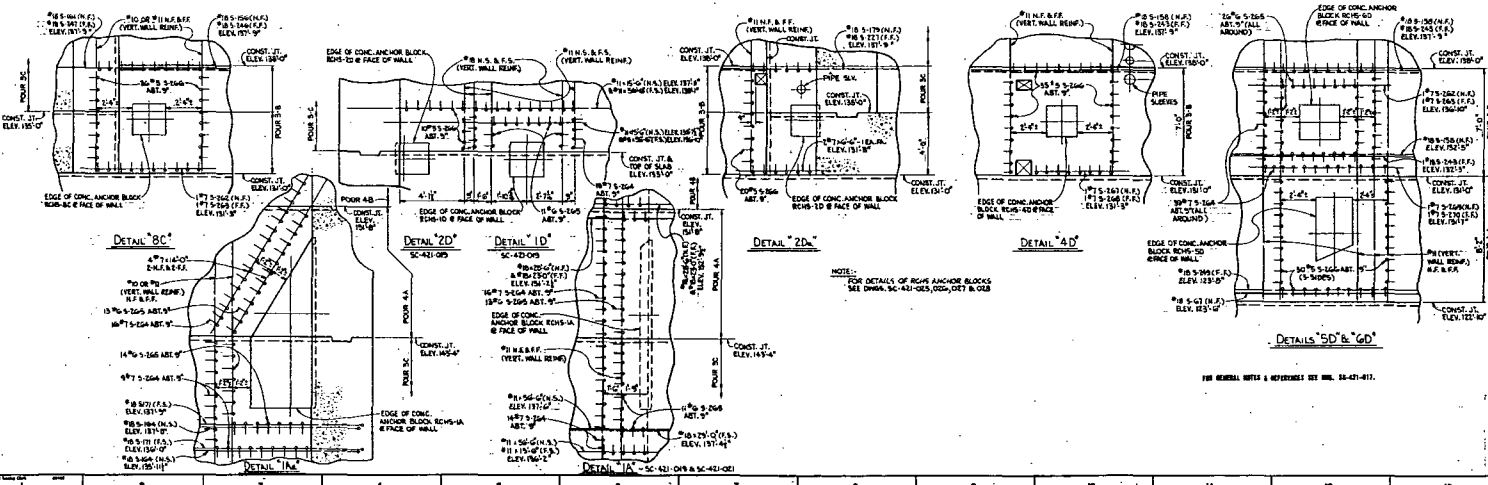
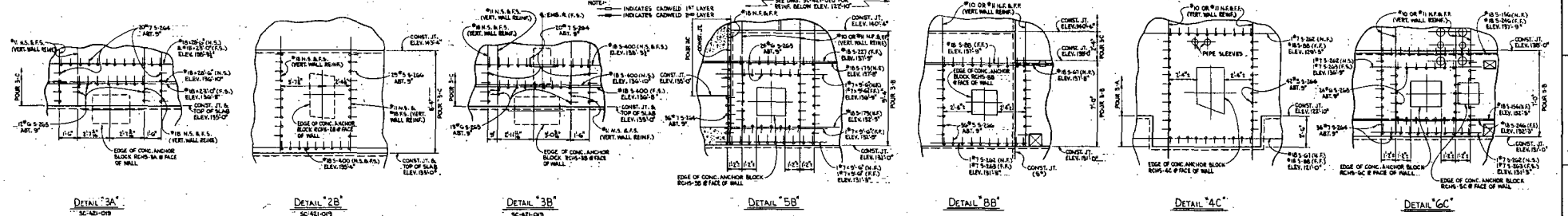
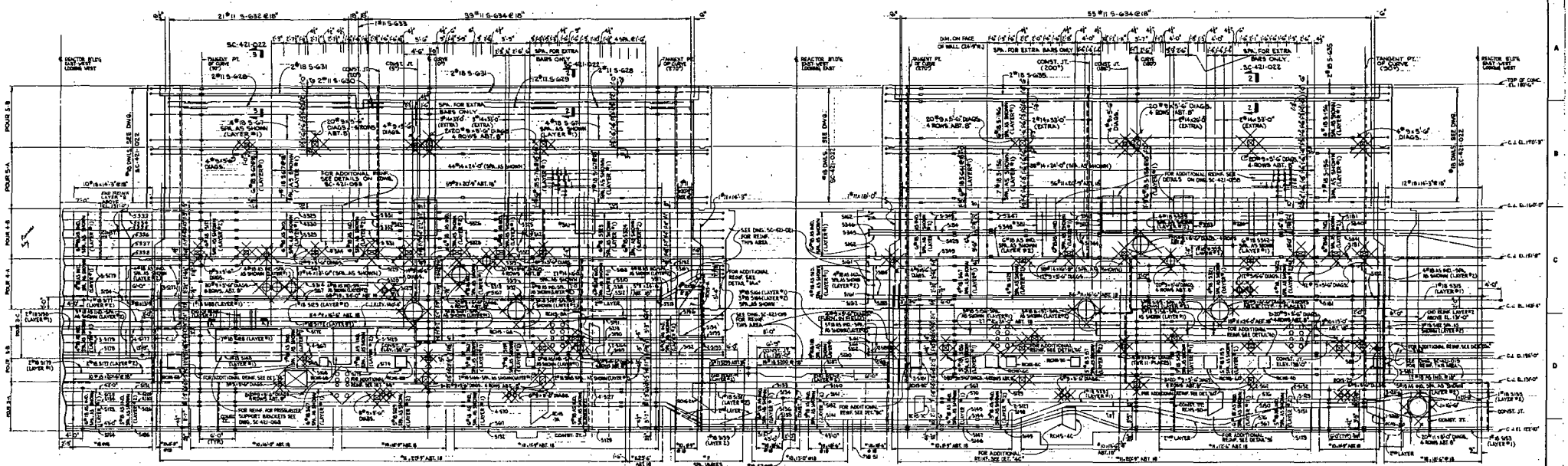


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FLORIDA POWER CORPORATION  
 61 PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 1 250,000 KW  
 REACTOR HOLDING SUPPORTING BEAMS  
 BRIDGES PLATES

DATE	REL. FOR	CONSTR.	APPROVED
4-20-63	E-421-088	5	SC-421-088

APPROVED FOR CONSTRUCTION BY  
 GILBERT ASSOCIATES, INC.  
 4203 E-421-088

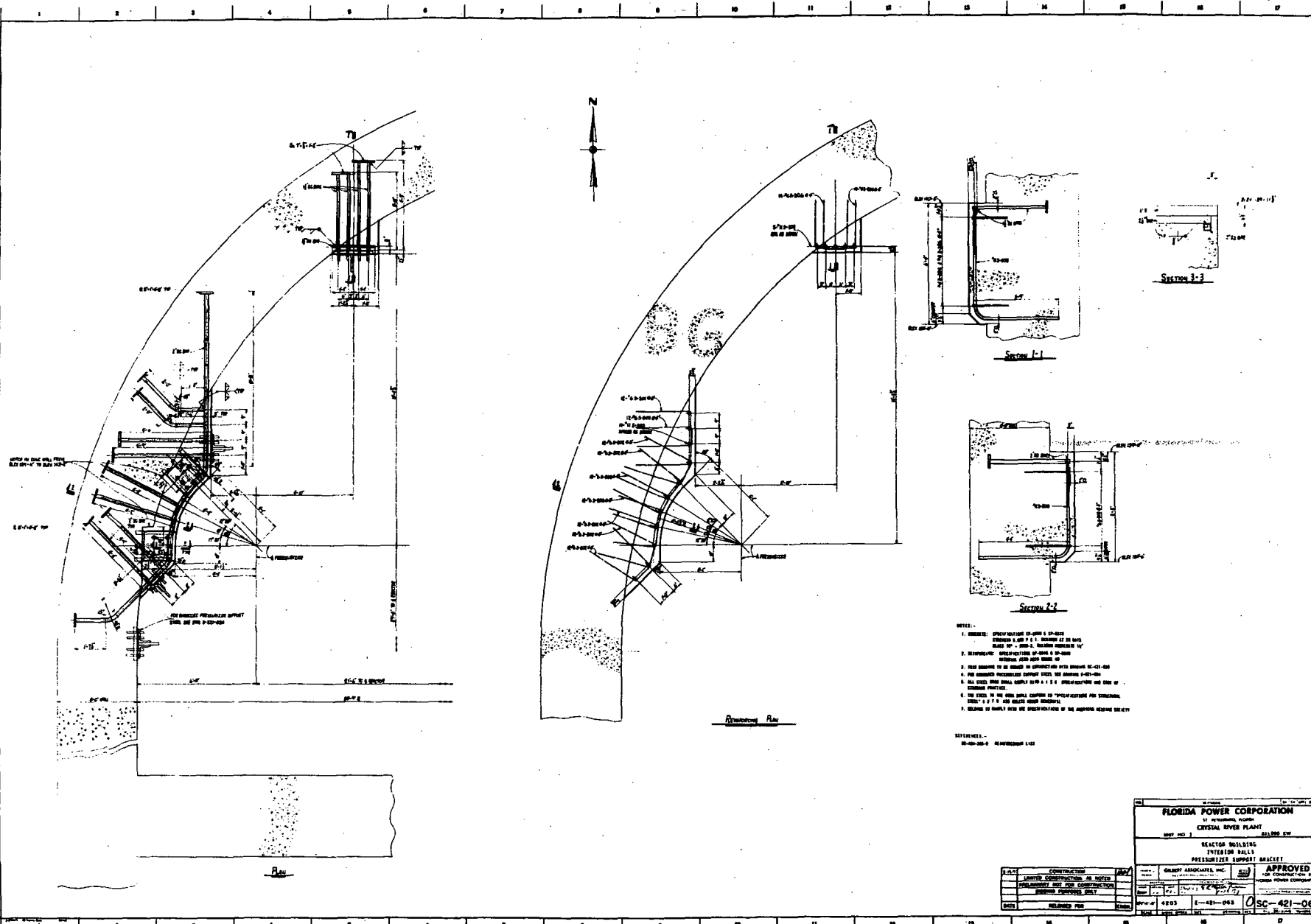


1	REVISED ACCORDING TO REV. 0122	11/15/53
2	REVISED CONSTRUCTION POINTS IN FOUNDATION	11/15/53
3	COMPLETED DRAWING RELEASED FOR CONSTRUCTION PURPOSES AND ADDED CORRECTIONS IN FOUNDATION INDICATED	11/15/53
4	RELEASED FOR CONSTRUCTION TO ELEV. 150'-0"	11/15/53

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
 UNIT NO. 3  
 85,000 KW  
 REACTOR BUILDING INTERIOR WALLS  
 SECONDARY BATTLED WALLS  
 STRECHOUT OF INSIDE FACE REINFORCEMENT  
 EL. 122'-10" TO EL. 188'-8"

CONSTRUCTION	DATE	BY	CHKD.
LIMITED CONSTRUCTION, AS NOTED	11/15/53	...	...
REVISIONS NOT FOR CONSTRUCTION			
REVISIONS FOR CONSTRUCTION PURPOSES ONLY			
DATE	RELEASED FOR	FORM	
11/15/53	4203	E-421-084	4
SCALE	1"=1'-0"	DATE	11/15/53
		REVISIONS	NO. 00

**APPROVED**  
 FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION  
 DATE 11/15/53  
 PROJECT NO. E-421-084  
 SHEET NO. SC-421-064

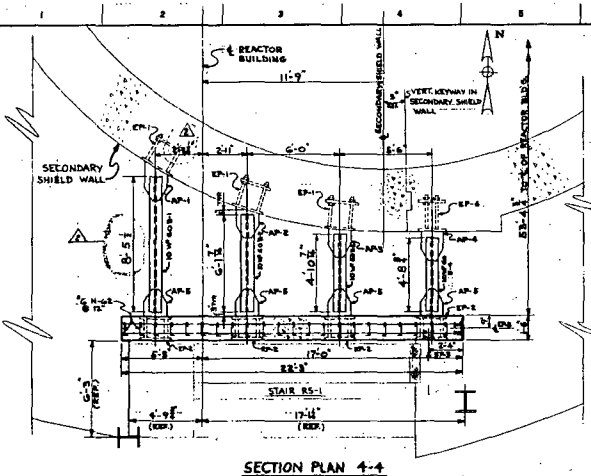


- NOTES:
1. DIMENSIONS: SPECIFICATIONS ON JOBS & DETAILS  
 DIMENSIONS IN LARGE PRINT: DIMENSIONS OF THE MAIN  
 DIMENSIONS IN SMALL PRINT: DIMENSIONS OF THE DETAILS
  2. THE DIMENSIONS IN THE DETAILS SHALL BE THE DIMENSIONS OF THE  
 DIMENSIONS OF THE DETAILS
  3. THE DIMENSIONS IN THE DETAILS SHALL BE THE DIMENSIONS OF THE  
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  4. ALL DIMENSIONS SHALL BE IN FEET AND INCHES UNLESS OTHERWISE  
 SPECIFIED.
  5. THE DIMENSIONS IN THE DETAILS SHALL BE THE DIMENSIONS OF THE  
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  6. THE DIMENSIONS IN THE DETAILS SHALL BE THE DIMENSIONS OF THE  
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  7. DIMENSIONS IN SMALL PRINT ARE DIMENSIONS OF THE DIMENSIONS OF THE DETAILS

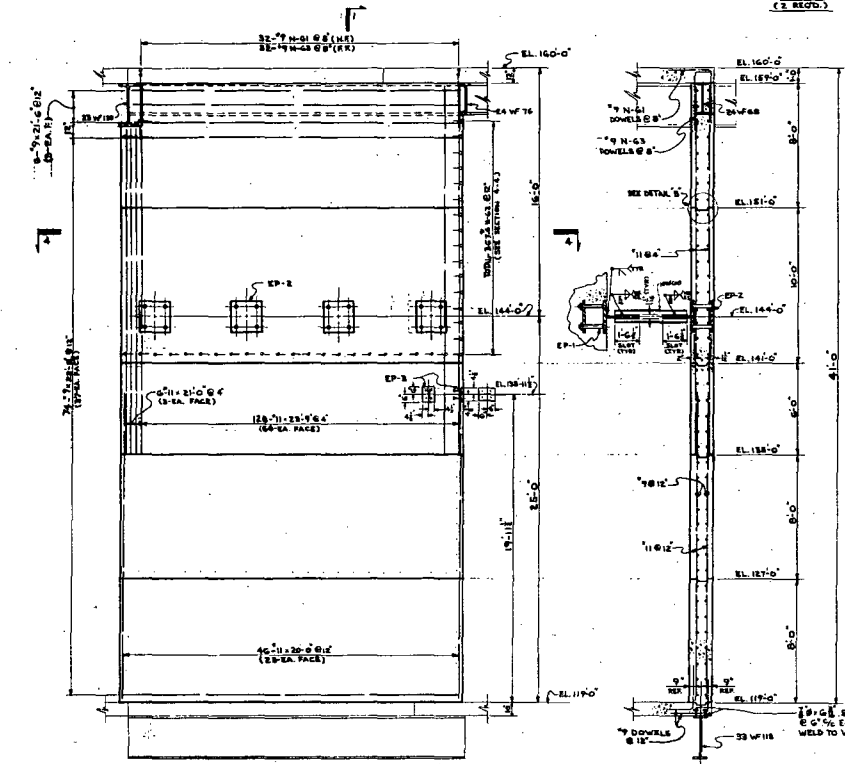
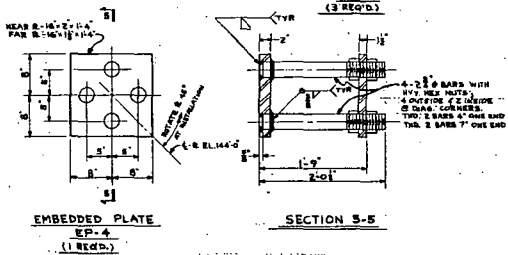
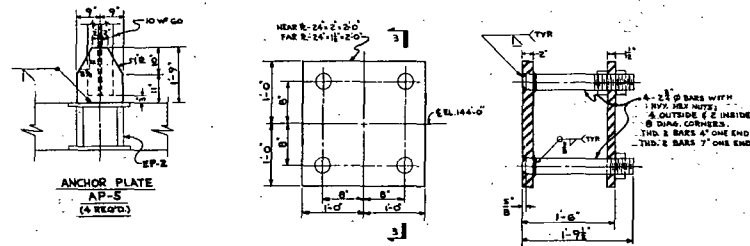
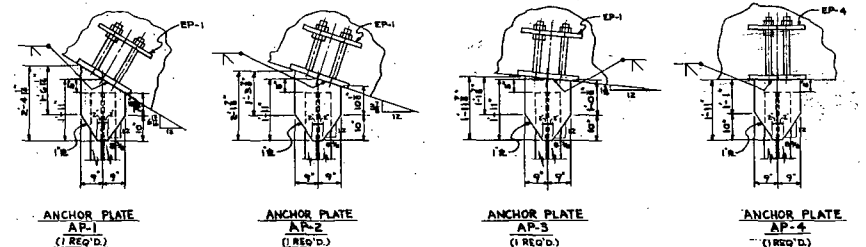
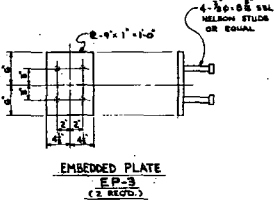
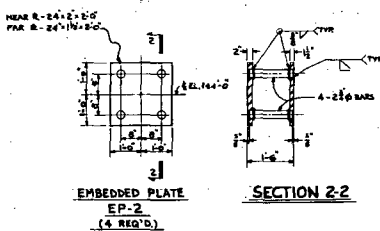
REVISIONS:  
 01-00-00-0 REVISION LIST

<b>FLORIDA POWER CORPORATION</b> 11100 W. BOULEVARD MIAMI, FLORIDA 33156 TEL. 305-424-0000	
<b>REACTOR BUILDING</b> PRESSURIZED WATER REACTOR PRESSURIZED WATER REACTOR	
PROJECT NO. 4203 DRAWING NO. E-421-063	<b>APPROVED</b> FOR CONSTRUCTION FLORIDA POWER CORPORATION DATE: 11/15/67 BY: [Signature]
CONTRACTOR: GRUBBS ASSOCIATES, INC. ENGINEER: GRUBBS ASSOCIATES, INC.	SCALE: AS SHOWN





SECTION PLAN 4-4



ELEVATION

SECTION 1-1

B1	10W 60 x 8LS 1
B2	10W 60 x 6LS 1
B3	10W 60 x 4LS 10
B4	10W 60 x 4LS 8

BEAM B-1 (1-REQ'D)  
BEAM B-2 (1-REQ'D)  
BEAM B-3 (1-REQ'D)  
BEAM B-4 (1-REQ'D)

- NOTES:
1. REINFORCEMENT TO BE 40% MIN. STEEL.
  2. REINFORCEMENT TO BE 40% MIN. STEEL.
  3. REINFORCEMENT TO BE 40% MIN. STEEL.
  4. REINFORCEMENT TO BE 40% MIN. STEEL.
  5. REINFORCEMENT TO BE 40% MIN. STEEL.
  6. REINFORCEMENT TO BE 40% MIN. STEEL.
  7. REINFORCEMENT TO BE 40% MIN. STEEL.
  8. REINFORCEMENT TO BE 40% MIN. STEEL.
  9. REINFORCEMENT TO BE 40% MIN. STEEL.
  10. REINFORCEMENT TO BE 40% MIN. STEEL.
  11. REINFORCEMENT TO BE 40% MIN. STEEL.
  12. REINFORCEMENT TO BE 40% MIN. STEEL.
  13. REINFORCEMENT TO BE 40% MIN. STEEL.
  14. REINFORCEMENT TO BE 40% MIN. STEEL.
  15. REINFORCEMENT TO BE 40% MIN. STEEL.
  16. REINFORCEMENT TO BE 40% MIN. STEEL.
  17. REINFORCEMENT TO BE 40% MIN. STEEL.
  18. REINFORCEMENT TO BE 40% MIN. STEEL.
  19. REINFORCEMENT TO BE 40% MIN. STEEL.
  20. REINFORCEMENT TO BE 40% MIN. STEEL.

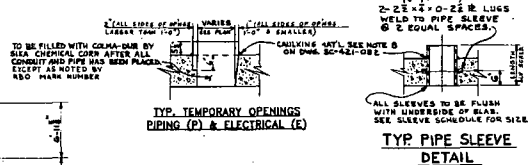
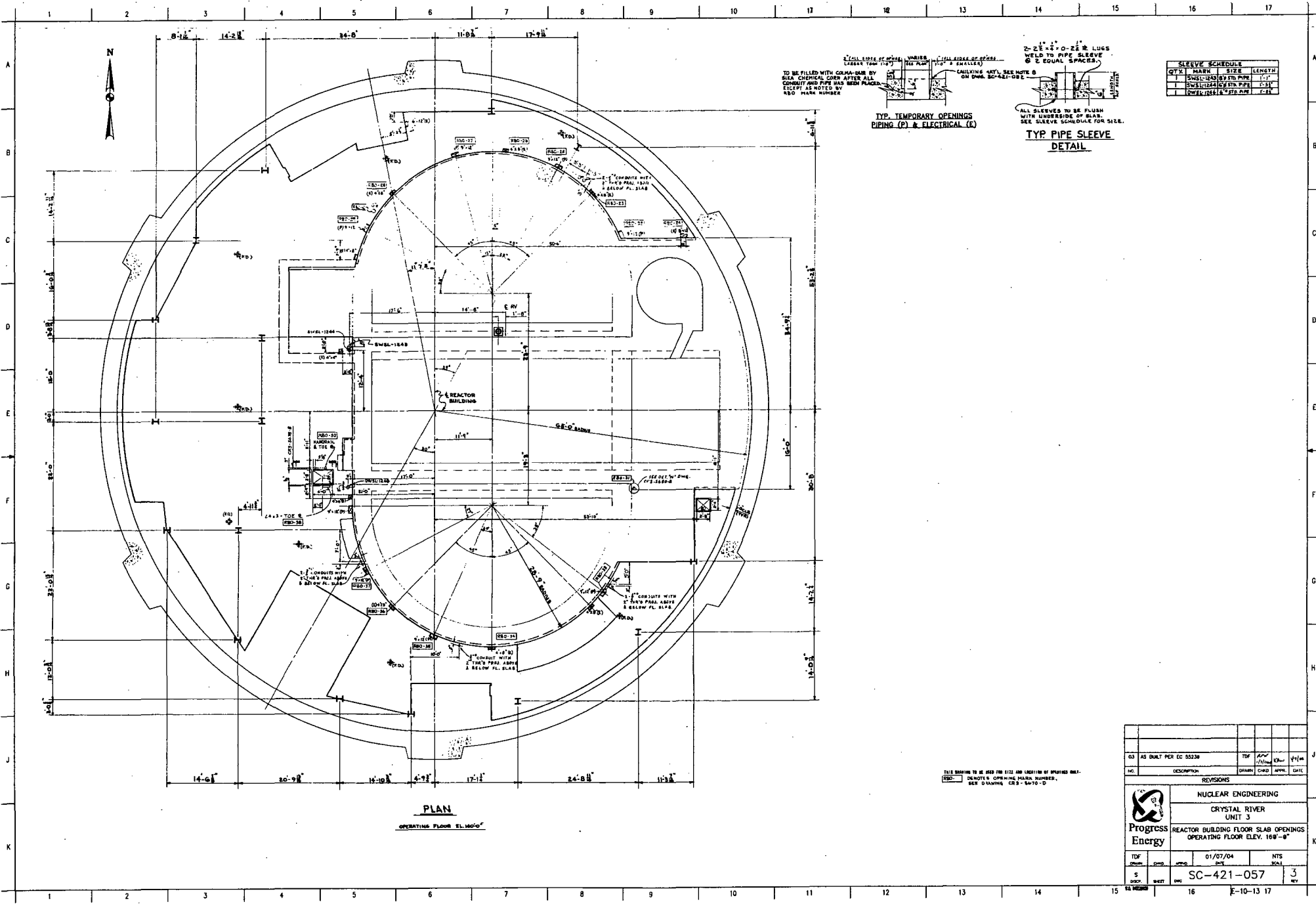
FLORIDA POWER CORPORATION  
 121 PENNSYLVANIA AVENUE  
 MIAMI, FLORIDA 33131  
 PROJECT NO. 4203

REACTOR BUILDING  
 SHEILD WALL AT SECTION 1-1 EL. 115'-0" TO EL. 120'-0"  
 SECTIONAL PLAN, SECTIONS AND DETAILS

APPROVED FOR CONSTRUCTION BY  
 PROJECT ENGINEER  
 DATE

DATE	RELEASED FOR	SCALE	WORK SHEET NO.	TITLE	DESIGNER	CHECKER	APPROVED
			4203	REACTOR BUILDING SHEILD WALL AT SECTION 1-1 EL. 115'-0" TO EL. 120'-0" SECTIONAL PLAN, SECTIONS AND DETAILS			




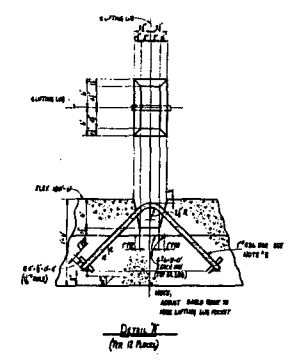
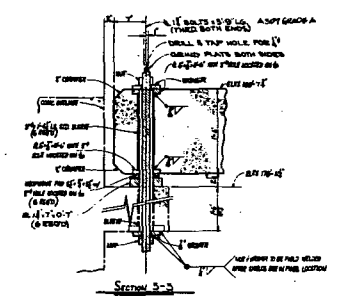
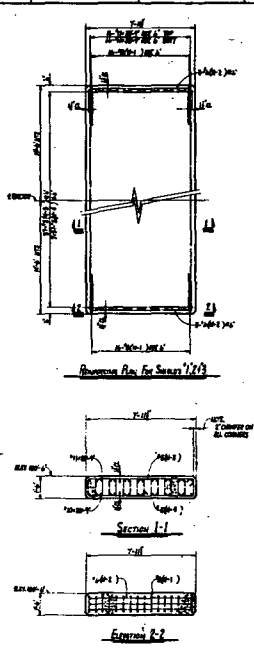
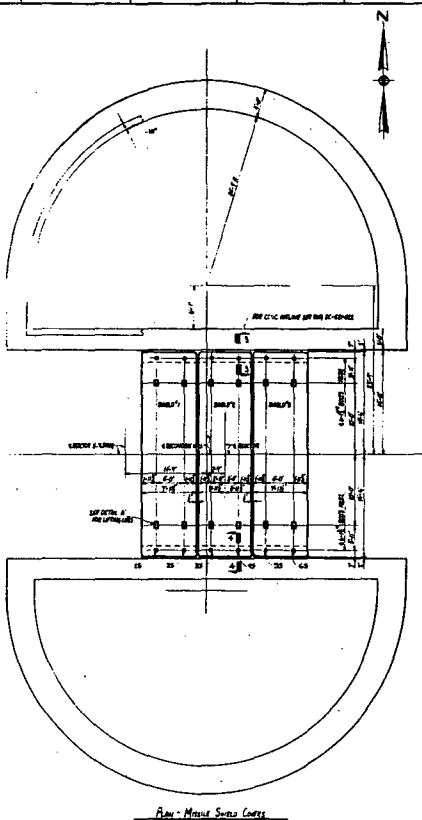


SLEEVE SCHEDULE			
QTY	MARK	SIZE	LENGTH
1	SW1244	3" DIA. PIPE	1'-0"
1	SW1244	3" DIA. PIPE	1'-0"
1	SW1244	3" DIA. PIPE	1'-0"

**PLAN**  
OPERATING FLOOR ELEV. 169'-0"

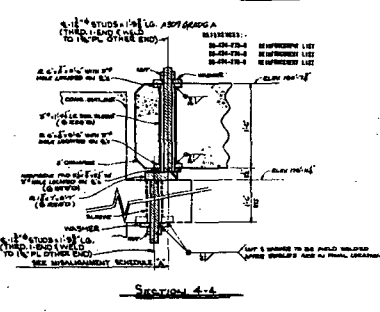
THIS DRAWING TO BE USED FOR FIELD ORIGINATOR'S PURPOSES ONLY.  
R&O DENOTES OPENING MARK NUMBER.  
SEE DRAWING CR-5670-D

03 AS BUILT PER EC 03330		TDW	APR	01/04	4/14
NO.	DESCRIPTION	DRAWN	CHECK	APPROV.	DATE
REVISIONS					
 <b>NUCLEAR ENGINEERING</b> <b>CRYSTAL RIVER</b> <b>UNIT 3</b> <b>REACTOR BUILDING FLOOR SLAB OPENINGS</b> <b>OPERATING FLOOR ELEV. 169'-0"</b>					
TDW	01/07/04	NTS			
S	SC-421-057	3			
REV					



ITEM NO.	DESCRIPTION	QTY
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

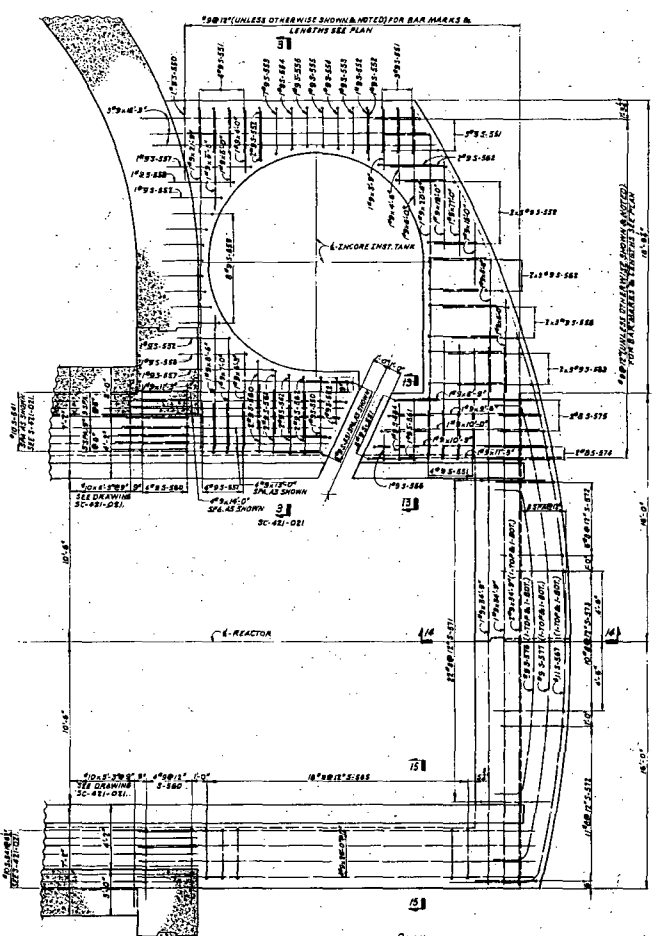
MISALIGNMENT SCHEDULE



1. REMOVE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
2. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
3. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
4. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
5. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
6. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
7. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
8. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
9. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.
10. REPAIR/REPLACE: SPECIFIED AND AS SHOWN OR AS NOTED. QUANTITY 1, AND PER NUMBER OF 20 BAYS.

<b>FLORIDA POWER CORPORATION</b> CRYSTAL RIVER PLANT UNIT NO. 3		REACTOR BUILDING REACTOR VESSEL MISSILE SHIELD PLAN, SECTION 1 DETAIL
DRAWN BY: [ ] CHECKED BY: [ ] DATE: 4-22-68	DESIGNED BY: [ ] CHECKED BY: [ ] DATE: 4-22-68	APPROVED BY: [ ] DATE: 4-22-68

CONTRACTOR: [ ] LIMITED CONSTRUCTION OR MODIFIED CONSTRUCTION: [ ] SECOND PURCHASE ONLY: [ ] DATE: 4-22-68	DESERT ASSOCIATES, INC. 11 WASHINGTON AVENUE SUITE 100 BOCA RATON, FLORIDA 33433	JOB NO.: [ ] SHEET NO.: [ ] TOTAL SHEETS: [ ] DATE: 4-22-68
---	---	--



**STEEL REINFORCEMENT SCHEDULE**

SUPPORT DETAIL MARK	QUANTITIES OF #5-36				ELEVATION OF ANCHOR BLOCK
	POUR 4B	POUR 4B	POUR 5A	POUR 5A	
#341	0	0	28	27	158'-9"
#342	0	0	28	28	158'-0"
#343	0	0	27	26	158'-9"
#344	0	0	28	31	157'-8"
#345	0	0	30	37	158'-8"
#346	0	0	28	27	158'-9"
#347	0	0	28	27	158'-9"
#348	0	0	28	28	158'-9"

FOR REF. OF STEAM GENERATOR SUPPORT ANCHOR BLOCK  
DETAILS SEE DWG. SC-421-028

- NOTES:
- FOR GENERAL NOTES AND REFERENCES SEE DWG. SC-421-011.
  - THIS DRAWING IS TO BE USED IN CONSTRUCTION WITH DWG. SC-421-011.

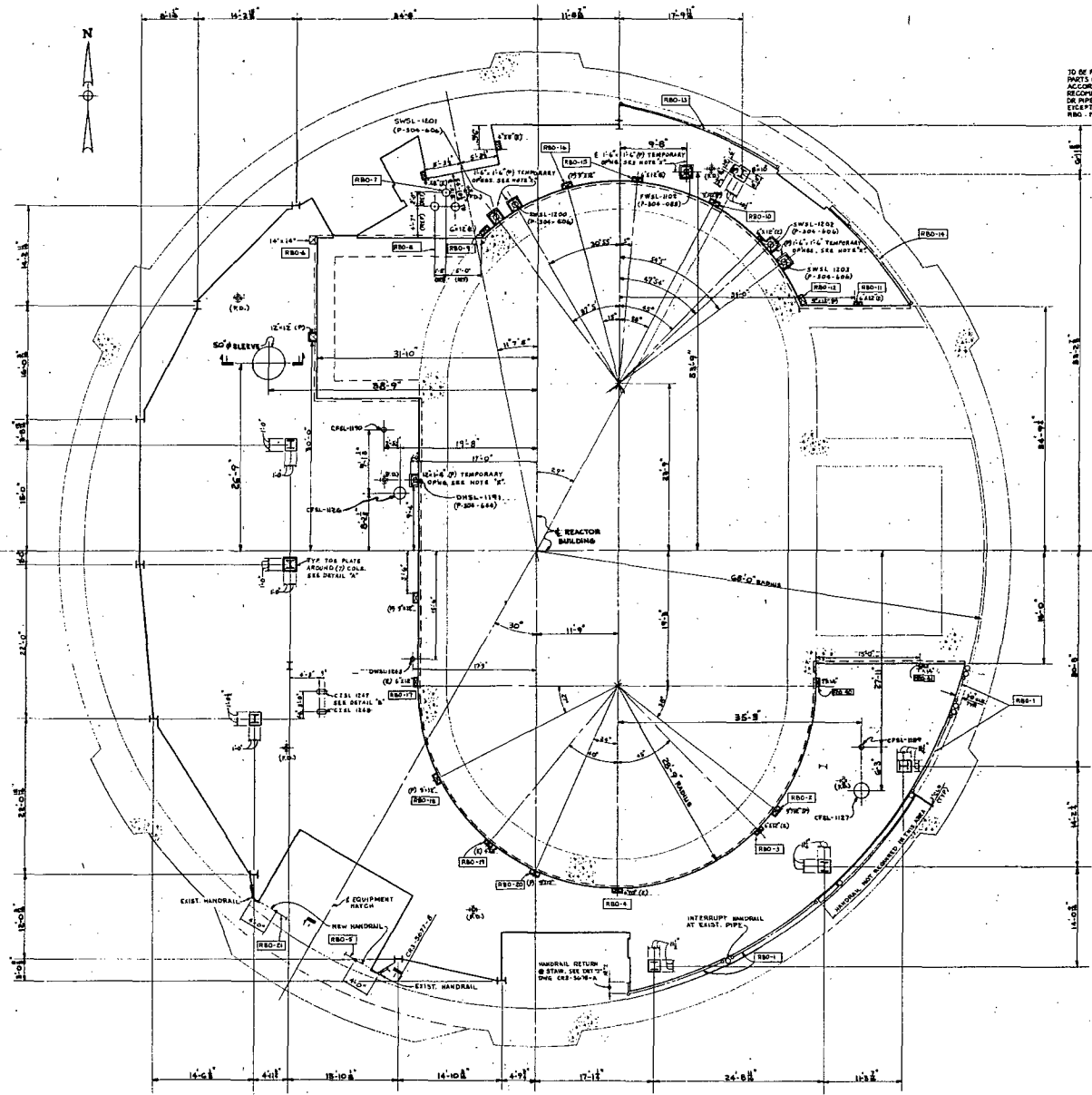
RELOCATED STEEL BARS ON DETAILS #343 & #344 AND STEEL REINFORCEMENT SCHEDULE, ADDED SUCT. PLANS AND REVISED DETAILS TO CLARIFY PLACING OF EXTRA #7 BARS

**FLORIDA POWER CORPORATION**  
 111 PENNSYLVANIA, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 851,000 KW  
 REACTOR BUILDING INTERIOR WALLS  
 SECONDARY SHIELD WALLS  
 SECTIONS AND DETAILS

APPROVED FOR CONSTRUCTION BY  
 HONORARY SUPERVISOR  
 SC-421-058

DESIGNED BY: OMBERT ASSOCIATES, INC.  
 DRAWN BY: J. L. ...  
 CHECKED BY: ...  
 DATE: ...

CONSTRUCTION	LIMITED CONSTRUCTION AS NOTED
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS
NO. 1	NO. 2
NO. 3	NO. 4
NO. 5	NO. 6
NO. 7	NO. 8
NO. 9	NO. 10
NO. 11	NO. 12
NO. 13	NO. 14
NO. 15	NO. 16
NO. 17	NO. 18
NO. 19	NO. 20
NO. 21	NO. 22
NO. 23	NO. 24
NO. 25	NO. 26
NO. 27	NO. 28
NO. 29	NO. 30
NO. 31	NO. 32
NO. 33	NO. 34
NO. 35	NO. 36
NO. 37	NO. 38
NO. 39	NO. 40
NO. 41	NO. 42
NO. 43	NO. 44
NO. 45	NO. 46
NO. 47	NO. 48
NO. 49	NO. 50
NO. 51	NO. 52
NO. 53	NO. 54
NO. 55	NO. 56
NO. 57	NO. 58
NO. 59	NO. 60
NO. 61	NO. 62
NO. 63	NO. 64
NO. 65	NO. 66
NO. 67	NO. 68
NO. 69	NO. 70
NO. 71	NO. 72
NO. 73	NO. 74
NO. 75	NO. 76
NO. 77	NO. 78
NO. 79	NO. 80
NO. 81	NO. 82
NO. 83	NO. 84
NO. 85	NO. 86
NO. 87	NO. 88
NO. 89	NO. 90
NO. 91	NO. 92
NO. 93	NO. 94
NO. 95	NO. 96
NO. 97	NO. 98
NO. 99	NO. 100



**PLAN**  
MEZZANINE FLOOR EL. 115'-0"

THIS DRAWING IS TO BE USED FOR THE LOCATION OF OPENING MARK.  
 (RBO) DENOTES OPENING MARK NUMBER  
 SEE DRAWING CR'S

4-25#11 BAR LIES ON SLEEVES LARGER THAN IT'S 1  
 2-#10S ON SLEEVES 12" AND SMALLER  
 WELD TO SLEEVES AT EQUAL SPACES

TO BE FILLED WITH COMPACTED WITH 3 PARTS OF QUARTZITE AGGREGATES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AFTER ALL CONCRETE OR PIPE HAS BEEN PLACED EXCEPT AS NOTED BY RBO. MARK NUMBER

**TYP. TEMPORARY OPENINGS PIPING (P) & ELECTRICAL (E)**

NOTE "A"  
 SLEEVES SHOWN PLACED IN TEMPORARY OPENINGS MUST BE SET IN PLACE BEFORE OR AT THE SAME TIME AS INSTALLATION OF PIPING IN ORDER TO INSURE A PROPER JOINT LARGER TYP. JOINTING PIPE.

CALLING MARK. SEE NOTE "D" ON DWG. SC-421-056

**SECTION 1-1**

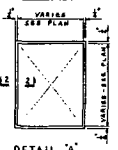
WELD 2#2 BAR RIBS AROUND RBO SLEEVES (2" WALL THK.)

**SECTION 2-2**

CALLING MARK. SEE NOTE "D" ON DWG. SC-421-056

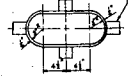
ALL SLEEVES TO BE FINISH WITH UNDERSIDE OF SLAB. SEE SLEEVE SCHEDULE FOR SIZE.

**TYP. PIPE SLEEVE DETAIL**



**DETAIL A**

4-25#11 BAR LIES ON SLEEVES LARGER THAN IT'S 1  
 2-#10S ON SLEEVES 12" AND SMALLER  
 WELDED TO PIPE SLEEVE PER TYP. DETAILS ABOVE.



**DETAIL B**

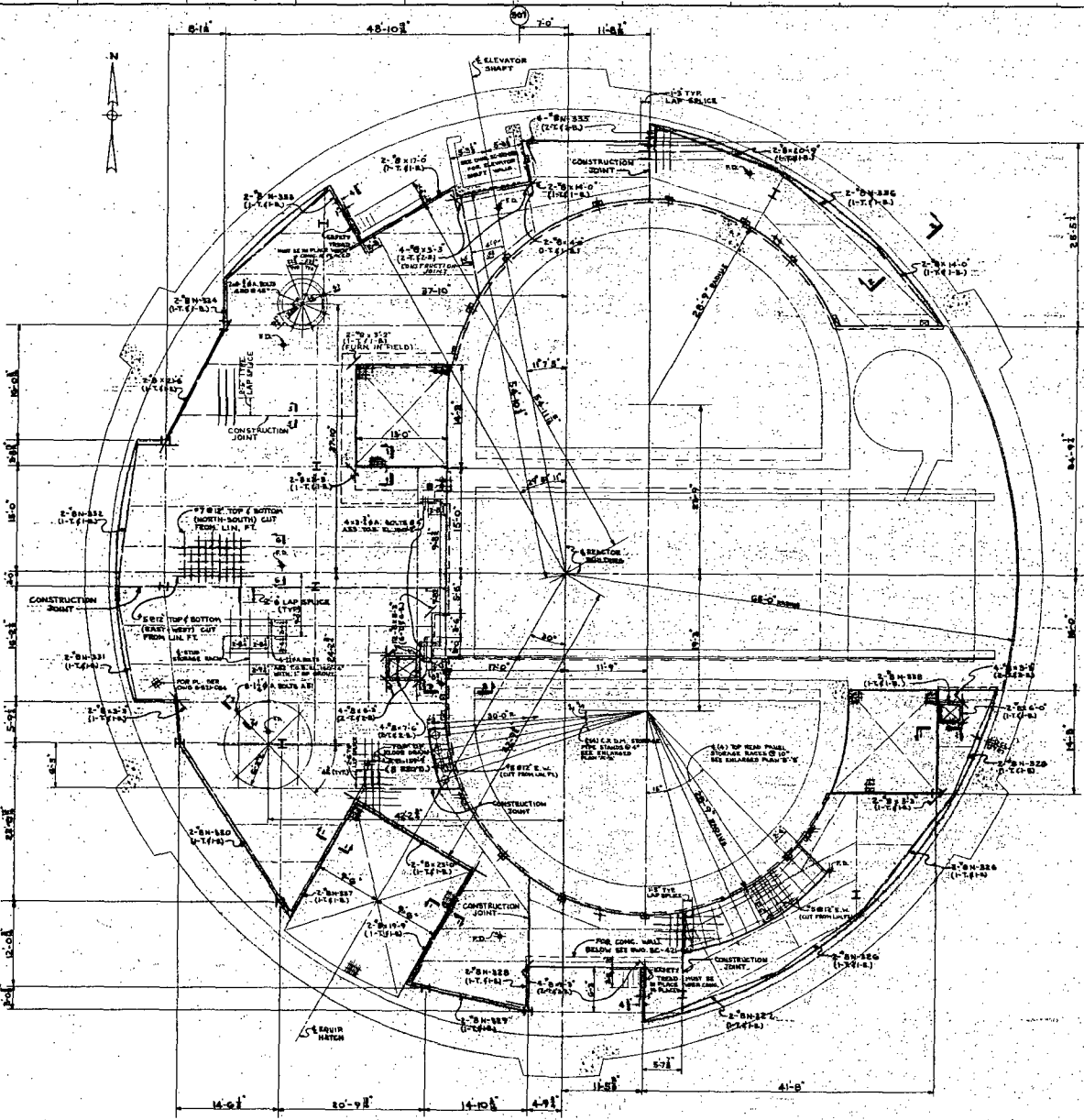
SLEEVE SCHEDULE			
QTY.	MARK	SIZE	LENGTH
1	CPAL-1102	10" DIA. PIPE	7'-8"
1	CPAL-1126	10" DIA. PIPE	7'-8"
1	CPAL-1137	10" DIA. PIPE	7'-8"
1	CPAL-1159	10" DIA. PIPE	7'-8"
1	CPAL-1170	10" DIA. PIPE	7'-8"
1	CPAL-1191	10" DIA. PIPE	7'-8"
1	DWAL-1200	10" DIA. PIPE	12'-0"
1	DWAL-1201	10" DIA. PIPE	12'-0"
1	DWAL-1202	10" DIA. PIPE	12'-0"
1	DWAL-1203	10" DIA. PIPE	12'-0"
1	DWAL-1204	10" DIA. PIPE	12'-0"
1	DWAL-1205	10" DIA. PIPE	12'-0"
1	DWAL-1206	10" DIA. PIPE	12'-0"
1	DWAL-1207	10" DIA. PIPE	12'-0"
1	DWAL-1208	10" DIA. PIPE	12'-0"
1	DWAL-1209	10" DIA. PIPE	12'-0"
1	DWAL-1210	10" DIA. PIPE	12'-0"
1	DWAL-1211	10" DIA. PIPE	12'-0"
1	DWAL-1212	10" DIA. PIPE	12'-0"
1	DWAL-1213	10" DIA. PIPE	12'-0"
1	DWAL-1214	10" DIA. PIPE	12'-0"
1	DWAL-1215	10" DIA. PIPE	12'-0"
1	DWAL-1216	10" DIA. PIPE	12'-0"
1	DWAL-1217	10" DIA. PIPE	12'-0"
1	DWAL-1218	10" DIA. PIPE	12'-0"
1	DWAL-1219	10" DIA. PIPE	12'-0"
1	DWAL-1220	10" DIA. PIPE	12'-0"

3	AS BUILT PER CCUR 97-07-18-01	REVISED	NO
2	REVISED NOTE FOR CLARIFICATION AT TYP. TEMPORARY OPENING DETAIL AS INDICATED.	REVISED	NO
1	ADDED CHALKING MNT'L. (3) PLACES. INDICATED FALL FOR TEMPORARY OPENING. A DOOR (12'-0") SHOW COMMA AREA. C/S	REVISED	NO

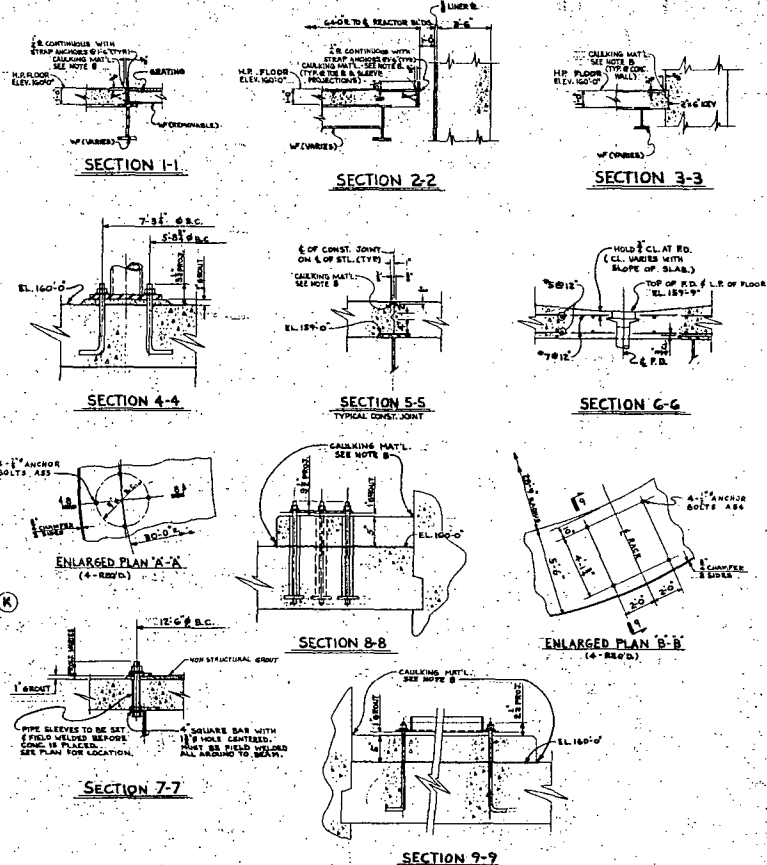
**FLORIDA POWER CORPORATION**  
 81 WESTERN AVENUE  
 MIAMI, FLORIDA 33132  
 UNIT NO. 2  
 CRYSTAL RIVER PLANT  
 833,000 KW  
 REACTOR BUILDING FLOOR SLAB OPENINGS  
 MEZZANINE FLOOR ELEV. 115'-0"

DESIGNED BY	ORSHET ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY	ROBERT J. ORSHET
DATE	NOVEMBER 20, 1978	SCALE	AS SHOWN
PROJECT NO.	4203	DRAWING NO.	E-421-056
DATE	RELEASED FOR	SCALE	AS SHOWN
LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION		APPROVED FOR CONSTRUCTION	
ISSUED FOR CONSTRUCTION		ISSUED FOR CONSTRUCTION	
DATE		DATE	

3 SC-421-056



**PLAN**  
OPERATING FLOOR ELEV. 160'-0"



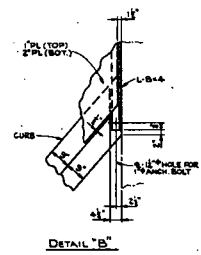
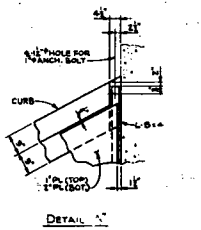
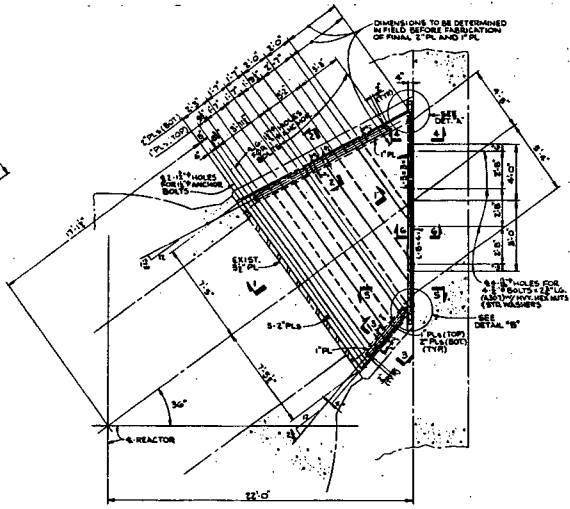
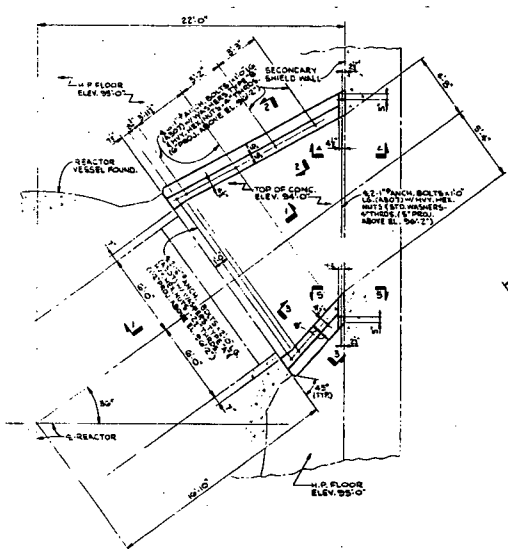
- NOTES:**
1. FOR GENERAL NOTES SEE DIV. 10-40-433.
  2. FLOOR REBAR MUST BE LAPPED AND SET AS SHOWN ON DIV. 10-311-514 BEFORE REBAR IS PLACED.
  3. THIS DRAW. MUST BE OBSERVED IN CONNECTION WITH SLAB OPERATING DRAW. 10-311-507.
  4. ALL SUPPORT TIEBARS SHALL BE TYPED AND ALL TIEBARS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
  5. ALL CONSTRUCTION JOINTS & REINFORCEMENT OF CONCRETE PANELS SHALL HAVE COMPLIANCE SHOWN AS SHOWN IN SECTIONS 1-1 THROUGH 9-9.
  6. FLOOR SLAB TO BE REINFORCED & NON-STRUCTURAL PANELS TO BE CONSTRUCTION JOINTS.
  7. FOR REBAR & REINFORCING CHANGES IN CONCRETE FLOOR SEE 10-30-447.
  8. FOR DIMENSIONS REFER TO SEE S.P. 1108.

- REFERENCES:**
- 10-30-401 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-402 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-403 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-404 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-405 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-406 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-407 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-408 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-409 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"
  - 10-30-410 SECONDARY GROUND BOLT PLAN - ELEV. 160'-0"

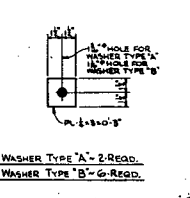
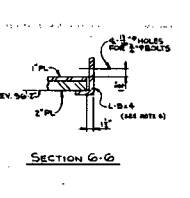
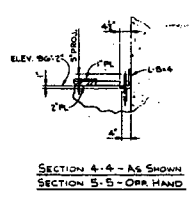
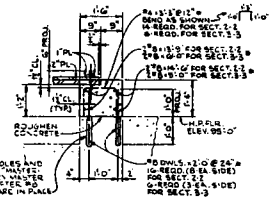
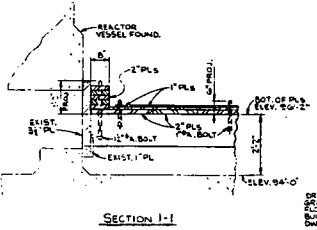
5	ADDED REBAR PER MAX. 7-11-51-20-20	10/10/51	10/10/51
6	ADDED P.C. AS INDICATED	10/10/51	10/10/51
7	RELOCATED CONSTRUCTION JOINT AS SHOWN PER ELEV. 160'-0"	10/10/51	10/10/51
8	FIELD CHANGE NO. 72-312	10/10/51	10/10/51
9	ADDED CONSTRUCTION JOINT AS INDICATED	10/10/51	10/10/51
10	ADDED DIMENSION FOR THE 6" ON SECT. 2-2 AS INDICATED	10/10/51	10/10/51
11	CAULKING MAT ON REINFORCING CHANGES IN CONCRETE FLOOR SEE 10-30-447	10/10/51	10/10/51

<b>FLORIDA POWER CORPORATION</b>	
31, PERMANENT, FLORIDA	
CRYSTAL RIVER PLANT	
UNIT NO. 3	55,000 KW
REACTOR BUILDING FLOOR SLAB	
OPERATING FLOOR ELEV. 160'-0"	

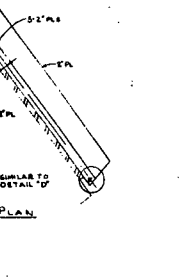
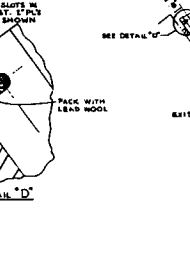
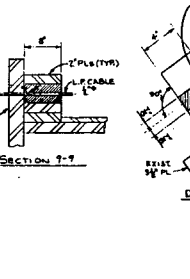
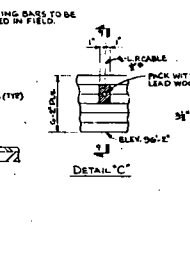
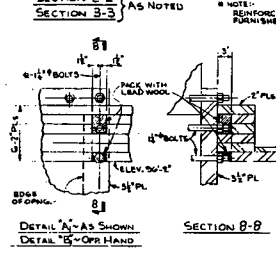
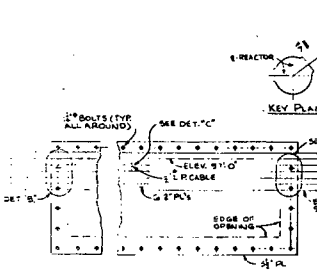
CONSTRUCTION	DESIGNED BY	APPROVED BY
LIMITED CONSTRUCTION AS NOTED	ORNEY ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY
FOR CONSTRUCTION	10/10/51	FLORIDA POWER CORPORATION
REVISIONS	DATE	BY
1	10/10/51	10/10/51
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3	10/10/51	10/10/51
4	10/10/51	10/10/51
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98	10/10/51	10/10/51
99	10/10/51	10/10/51
100	10/10/51	10/10/51



- NOTE:
1. CONCRETE: SPECIFICATION SP-2000 AND SP-4001  
STRENGTH - 2000 PSI FUNDING AT 28 DAYS  
SLAB 50' - 3000 PSI MINIMUM STRENGTH 7-1-77
  2. REINFORCING: SPECIFICATION SP-4000 AND SP-4040  
MINIMUM SIZE 1/2" DIA
  3. ALL STEEL WORK SHALL COMPLY WITH AISC SPECIFICATIONS AND CODE OF STAINLESS PRACTICE
  4. THE STEEL WORK IS TO BE MADE AND NOT OTHERWISE SPECIFIED SHALL CONFORM TO SPECIFICATION  
FOR STRUCTURAL STEEL, SEE 9-1
  5. WELDING: SEE 9-2, 9-3, 9-4
  6. SECTION 5-5 IS A THROUGH FOR REF. 4 TO HAVE 30'-00"-10'-10" DIA  
BEHIND OF SHIELDING WALL. SEE 5-5-1, 5-5-2, 5-5-3, 5-5-4



- REFERENCE:
- 9E-101-000 REACTOR BUILDING - CONCRETE DESIGN - REACTOR VESSEL CO. 10-47-77
  - 9E-101-011 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-012 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - ELEVATION
  - 9E-101-013 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - SECTION
  - 9E-101-014 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-015 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-016 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-017 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-018 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-019 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION
  - 9E-101-020 REACTOR BUILDING - REACTOR VESSEL FOUNDATION - PLAN AND SECTION



<p>FLORIDA POWER CORPORATION 61 HERMAN ROAD CRYSTAL RIVER PLANT UNIT NO. 3</p>		
<p>REACTOR BUILDING INCORE INSTRUMENTATION CABLE TRENCH SHIELD PLANS, SECTIONS AND DETAILS</p>		
<p>DATE: 10-13-77</p>	<p>DESIGNED BY: G. R. BROWN</p>	<p>CHECKED BY: J. H. BROWN</p>
<p>DATE: 10-13-77</p>	<p>DESIGNED BY: G. R. BROWN</p>	<p>CHECKED BY: J. H. BROWN</p>
<p>DATE: 10-13-77</p>	<p>DESIGNED BY: G. R. BROWN</p>	<p>CHECKED BY: J. H. BROWN</p>

APPROVED FOR CONSTRUCTION

DATE: 10-13-77

SCALE: AS SHOWN

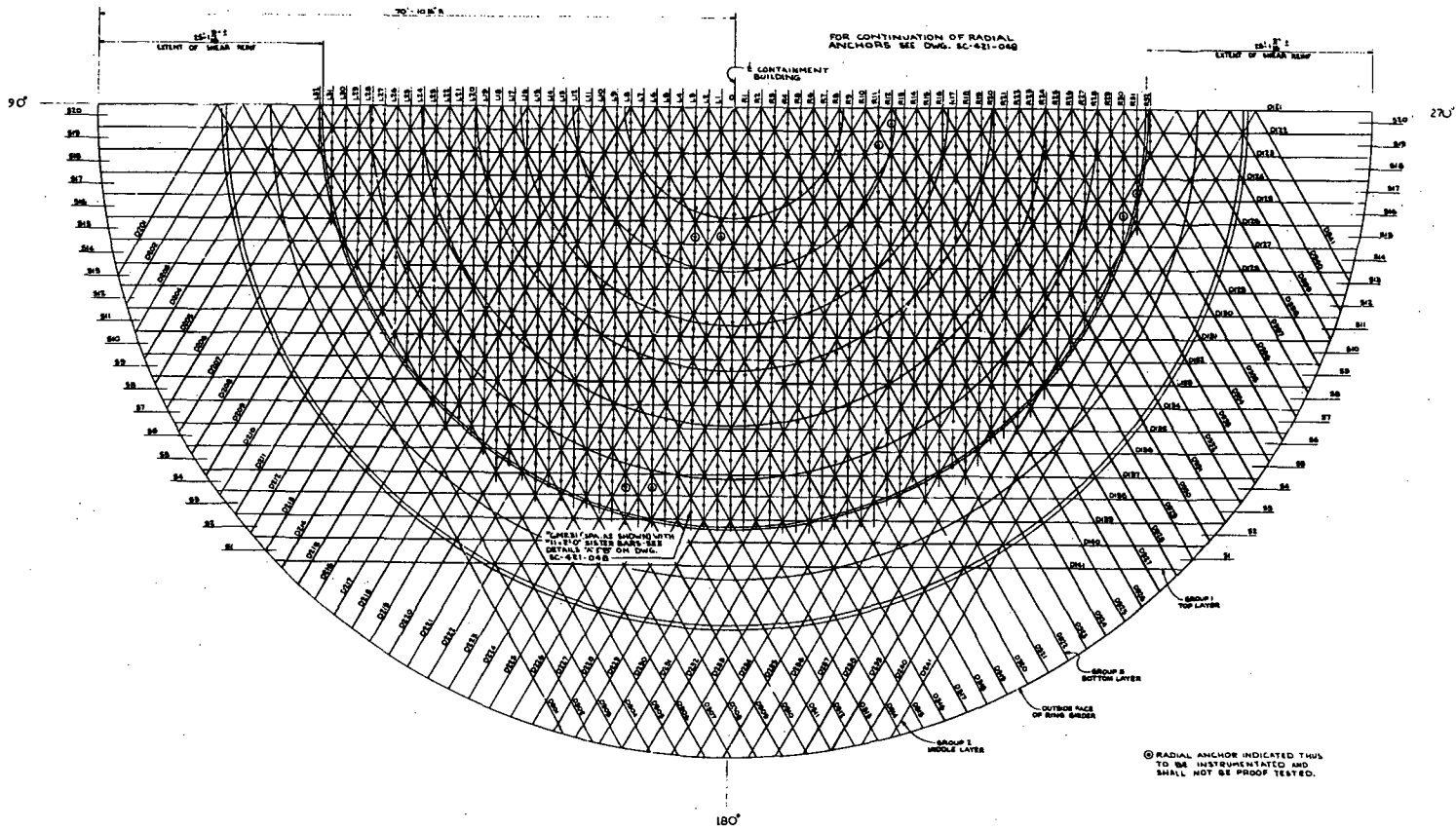
PROJECT NO. 4782 E-481-083 3 SC-421-053

DATE: 10-13-77

SCALE: AS SHOWN

PROJECT NO. 4782 E-481-083 3 SC-421-053





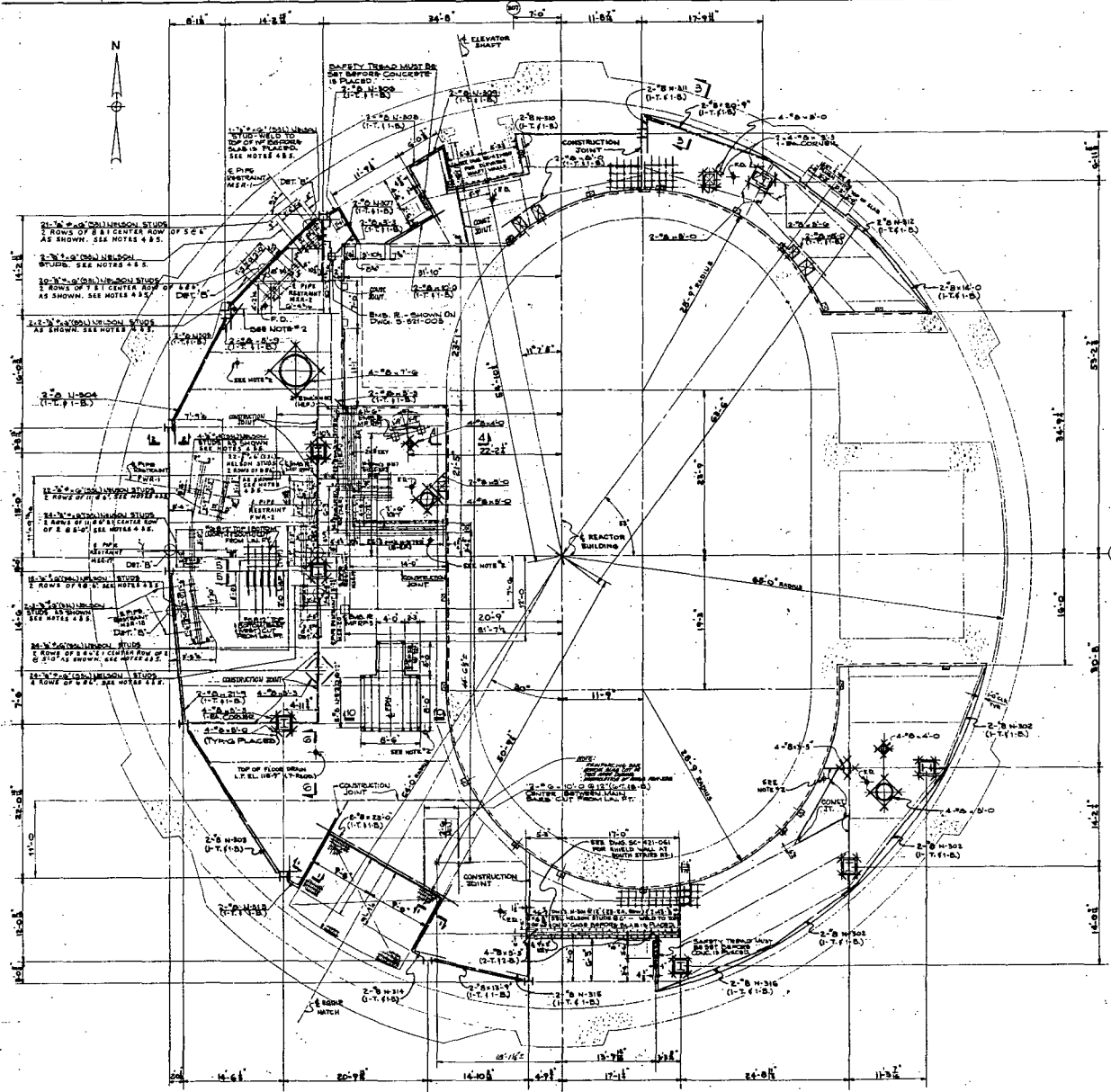
N

PLAN - RADIAL ANCHORS

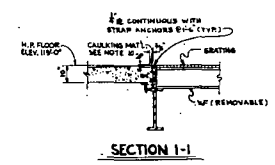
© RADIAL ANCHOR INDICATED THUS TO BE INSTRUMENTATED AND SHALL NOT BE PROOF TESTED.

NOTE: 1. FOR REVISIONS SEE SHEET SC-421-045

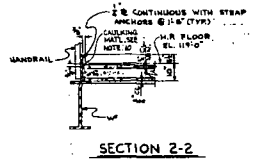
<b>FLORIDA POWER CORPORATION</b> DE PERDUE, FLORIDA CRYSTAL RIVER PLANT SHEET NO. 2		12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	
TITLE: PLAN OF WORK TENDON LAYOUT SOUTH HALF SENSING RADIAL ANCHORS		APPROVED FOR CONSTRUCTION BY (Signature)	
DATE: 11/14/67 DRAWN BY: (Signature)	CHECKED BY: (Signature) 4235	SCALE: 1/4" = 1'-0" 6-482-046	PROJECT NO.: SC-421-049 SHEET NO.: 2 OF 2



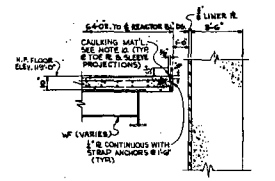
**PLAN**  
MEZZANINE FLOOR ELEV. 119'-0"



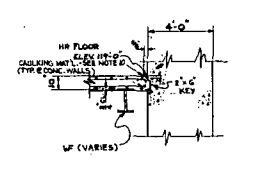
**SECTION 1-1**



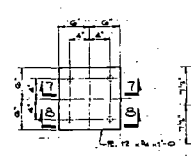
**SECTION 2-2**



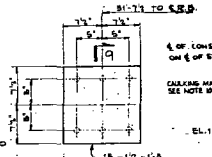
**SECTION 3-3**



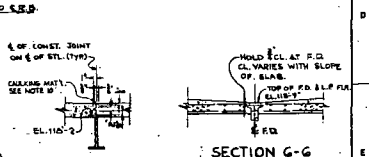
**SECTION 4-4**



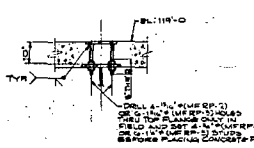
**PLAN EMBEDDED PLATE**  
MF RP-1 (2-ROSD)  
MF RP-2 (1-ROSD)



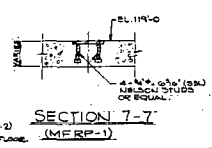
**PLAN EMBEDDED PLATE**  
MF RP-3 (1-ROSD)



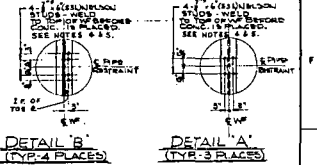
**SECTION 5-5**  
TYPICAL CONST. JOINT



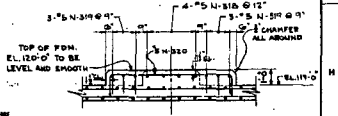
**SECTION 6-6 (MFRP-2)**  
**SECTION 7-7 (MFRP-1)**



**SECTION 8-8 (MFRP-2)**  
**SECTION 9-9 (MFRP-3)**



**DETAIL B (TYP. 4 PLACES)**  
**DETAIL A (TYP. 3 PLACES)**



**SECTION 10-10**

- NOTES:**
1. FOR REMOVAL NOTES SEE DWG. 10-10-02.
  2. FLOOR FINISHES AND PARTIAL FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-03.
  3. ALL FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-04.
  4. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-05.
  5. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-06.
  6. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-07.
  7. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-08.
  8. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-09.
  9. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-10.
  10. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-11.
  11. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-12.
  12. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-13.
  13. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-14.
  14. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-15.
  15. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-16.
  16. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-17.
  17. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-18.
  18. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-19.
  19. FLOOR FINISHES TO BE LOCATED AND SET AS SHOWN ON DWG. 10-10-20.

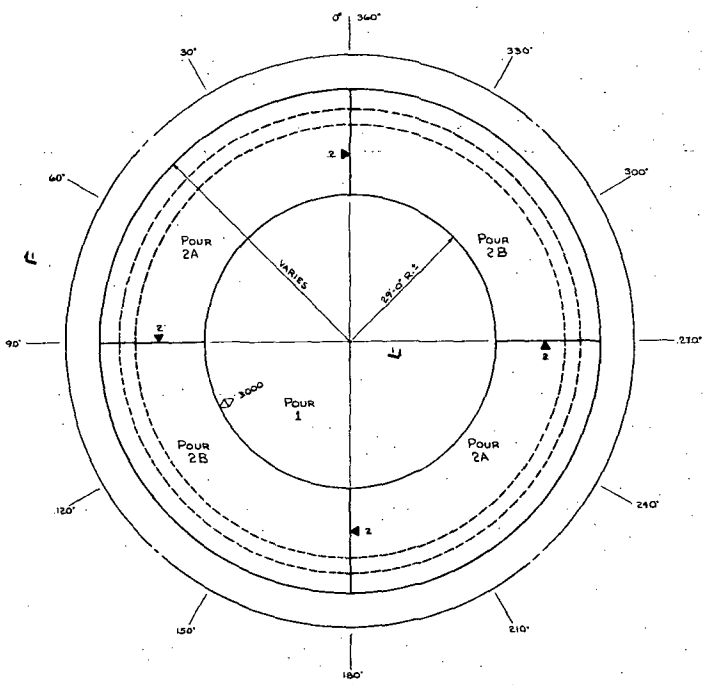
- REFERENCES:**
- 10-10-01 SECONDARY COVERED WALL PARALLEL 119'-0"
  - 10-10-02 REINFORCEMENT LIST
  - 10-10-03 REINFORCEMENT LIST
  - 10-10-04 REINFORCEMENT LIST

NO.	DESCRIPTION	DATE	BY	CHECKED
1	REMOVED SHEAR DESIGNATION FROM NELSON STUDIOS	10/10/10	J. J. NELSON	J. J. NELSON
2	ADDED SHEAR DESIGNATION FROM NELSON STUDIOS	10/10/10	J. J. NELSON	J. J. NELSON
3	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
4	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
5	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
6	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
7	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
8	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
9	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON
10	ADDED CONSTRUCTION JOINTS	10/10/10	J. J. NELSON	J. J. NELSON

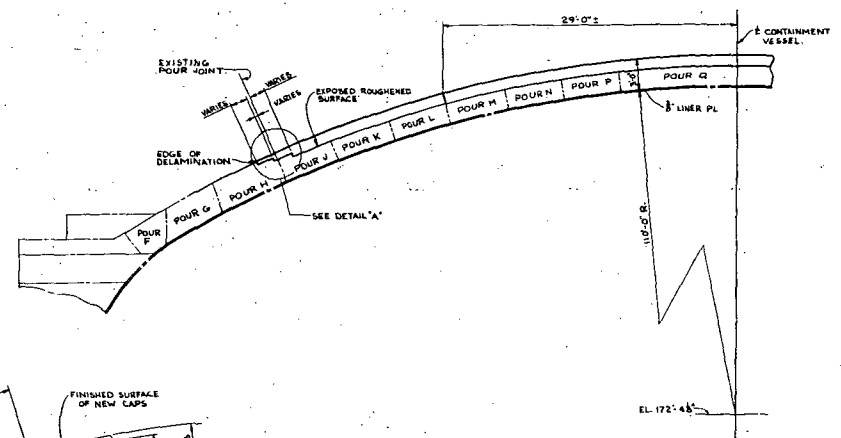
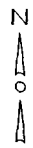
**FLORIDA POWER CORPORATION**  
EL. MEZZANINE FLOOR  
CRYSTAL RIVER PLANT  
UNIT NO. 2  
255,000 KW  
REACTOR BUILDING FLOOR M-8  
MEZZANINE FLOOR ELEV. 119'-0"

NO.	DESCRIPTION	DATE	BY	CHECKED
1	CONSTRUCTION	10/10/10	J. J. NELSON	J. J. NELSON
2	LIMITED CONSTRUCTION AS NOTED	10/10/10	J. J. NELSON	J. J. NELSON
3	PRELIMINARY NOT FOR CONSTRUCTION	10/10/10	J. J. NELSON	J. J. NELSON
4	PROVIDING PARTIALS ONLY	10/10/10	J. J. NELSON	J. J. NELSON
5	REVIEW AND COMMENTS	10/10/10	J. J. NELSON	J. J. NELSON

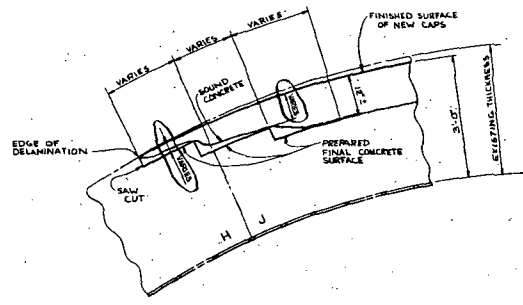
**APPROVED FOR CONSTRUCTION BY**  
J. J. NELSON  
10/10/10  
**6S-421-051**



PLAN ON DOME



SECTION I-I



DETAIL 'A'

- POUR PROCEDURE AND NOTES:**
1. READ POUR DESCRIPTION TO DETERMINE THE REQUIRED MIXTURE RATIOS, TO DESIGN, THEY MAY BE FOUND IN THE SPECIFICATIONS.
  2. POURING SHALL BE DONE FROM ONE (1) POUR, A MINIMUM OF 2 BAYE MUST ELAPSE BEFORE POURING IS DONE FROM THE CENTER (1 POUR 1 BAYE).
  3. BETWEEN EACH PILE OF POUR THE CONCRETE MUST HAVE REACHED 50% SETTING IN 2 BAYE MINIMUM IN LEAST (1 HOUR 30 MIN).
  4. POUR 1 MUST BE COMPLETED AT ITS FULL LENGTH FOR FULL BAYE NUMBER PROGRESSIVELY TOWARD THE CENTER.
  5. ALL CONCRETING SHALL BE DONE WITH THE CURVED SURFACE OF THE DOME.
  6. ALL CONCRETING SHALL BE DONE WITH THE CURVED SURFACE OF THE DOME.
  7. CONCRETE - SPECIFICATION SP-4000 AND SP-4010 (1) 100% TYPE III PORTLAND CEMENT (2) 3.5% WATER (3) 1.0% AIR ENTRAINMENT (4) 1.0% SUPERPLASTICIZER (5) 1.0% FIBER (6) 1.0% ADMIXTURE (7) 1.0% (8) 1.0% (9) 1.0% (10) 1.0% (11) 1.0% (12) 1.0% (13) 1.0% (14) 1.0% (15) 1.0% (16) 1.0% (17) 1.0% (18) 1.0% (19) 1.0% (20) 1.0% (21) 1.0% (22) 1.0% (23) 1.0% (24) 1.0% (25) 1.0% (26) 1.0% (27) 1.0% (28) 1.0% (29) 1.0% (30) 1.0% (31) 1.0% (32) 1.0% (33) 1.0% (34) 1.0% (35) 1.0% (36) 1.0% (37) 1.0% (38) 1.0% (39) 1.0% (40) 1.0% (41) 1.0% (42) 1.0% (43) 1.0% (44) 1.0% (45) 1.0% (46) 1.0% (47) 1.0% (48) 1.0% (49) 1.0% (50) 1.0% (51) 1.0% (52) 1.0% (53) 1.0% (54) 1.0% (55) 1.0% (56) 1.0% (57) 1.0% (58) 1.0% (59) 1.0% (60) 1.0% (61) 1.0% (62) 1.0% (63) 1.0% (64) 1.0% (65) 1.0% (66) 1.0% (67) 1.0% (68) 1.0% (69) 1.0% (70) 1.0% (71) 1.0% (72) 1.0% (73) 1.0% (74) 1.0% (75) 1.0% (76) 1.0% (77) 1.0% (78) 1.0% (79) 1.0% (80) 1.0% (81) 1.0% (82) 1.0% (83) 1.0% (84) 1.0% (85) 1.0% (86) 1.0% (87) 1.0% (88) 1.0% (89) 1.0% (90) 1.0% (91) 1.0% (92) 1.0% (93) 1.0% (94) 1.0% (95) 1.0% (96) 1.0% (97) 1.0% (98) 1.0% (99) 1.0% (100) 1.0%
  8. REPAIR AND REPLACEMENT OF CONCRETE - SPECIFICATION SP-4010
  9. ALL CONCRETING TO BE IN ACCORDANCE WITH SPECIFICATION SP-4000, "CONCRETE FOR THE DOME".
  10. CONCRETE SHALL BE PLACED IN THE MOLDING AND THE SURFACE, ACTUAL LOCATION MAY BE ADJUSTED TO ONLY FIELD CONDITIONS. FINISHING SHALL BE IN ACCORDANCE WITH SPECIFICATION SP-4000.
  11. ALL MATERIAL AND EQUIPMENT SHALL BE IN PLACE BEFORE CONCRETING IS BEGUN. USE SPECIFICATION SP-4000.
  12. CHECK UP ON REINFORCEMENT PLACEMENT IN EACH LEVEL OF WALLS AND THROU BARS TO BE INSPECTED BY CONTRACTOR INSPECTOR AT EACH EXCAVATION LEVEL.

**REFERENCES:**

- SC-421-210 FORM
- SC-421-211 SIGN BOARD
- SC-421-212 CONCRETE JOINT REINFORCEMENT
- SC-421-213 CONCRETE JOINT REINFORCEMENT
- SC-421-214 CONCRETE JOINT REINFORCEMENT
- SC-421-215 CONCRETE JOINT REINFORCEMENT
- SC-421-216 CONCRETE JOINT REINFORCEMENT
- SC-421-217 CONCRETE JOINT REINFORCEMENT
- SC-421-218 CONCRETE JOINT REINFORCEMENT
- SC-421-219 CONCRETE JOINT REINFORCEMENT
- SC-421-220 CONCRETE JOINT REINFORCEMENT
- SC-421-221 CONCRETE JOINT REINFORCEMENT
- SC-421-222 CONCRETE JOINT REINFORCEMENT
- SC-421-223 CONCRETE JOINT REINFORCEMENT
- SC-421-224 CONCRETE JOINT REINFORCEMENT
- SC-421-225 CONCRETE JOINT REINFORCEMENT
- SC-421-226 CONCRETE JOINT REINFORCEMENT
- SC-421-227 CONCRETE JOINT REINFORCEMENT
- SC-421-228 CONCRETE JOINT REINFORCEMENT
- SC-421-229 CONCRETE JOINT REINFORCEMENT
- SC-421-230 CONCRETE JOINT REINFORCEMENT
- SC-421-231 CONCRETE JOINT REINFORCEMENT
- SC-421-232 CONCRETE JOINT REINFORCEMENT
- SC-421-233 CONCRETE JOINT REINFORCEMENT
- SC-421-234 CONCRETE JOINT REINFORCEMENT
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- SC-421-241 CONCRETE JOINT REINFORCEMENT
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- SC-421-249 CONCRETE JOINT REINFORCEMENT
- SC-421-250 CONCRETE JOINT REINFORCEMENT

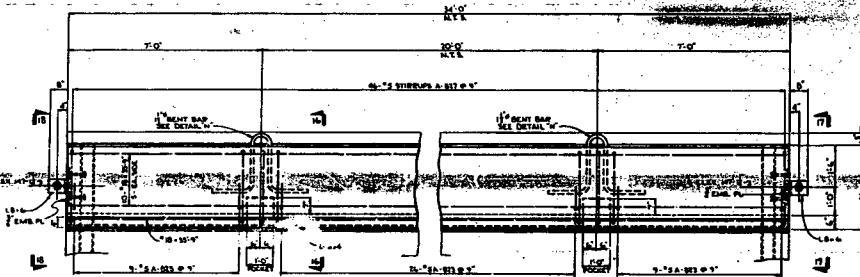
1	ADDED VARIES DIM. TO DETAIL 'A' ALSO	DATE	BY
2	ADDED REFERENCES AS IND.	DATE	BY
3	ADDED NOTES & REFERENCES AS IND.	DATE	BY
4	ADDED NOTES & REFERENCES AS IND.	DATE	BY

**FLORIDA POWER CORPORATION**  
 81 PETTANING, FLORIDA  
**CRYSTAL RIVER PLANT**  
 UNIT NO. 2  
 REACTOR BUILDING  
 DOME - CONSTRUCTION JOINT AND POURING  
 FOR DELIMITATED CAP

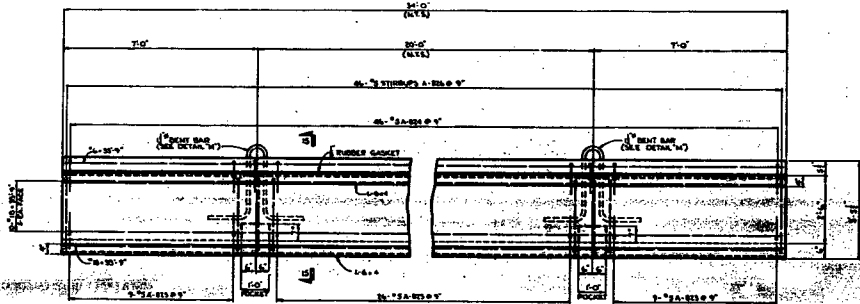
APPROVED FOR CONSTRUCTION BY  
 [Signature]  
 [Title]

DATE: 4-23-60  
 E-421-050  
 2 SC-421-050

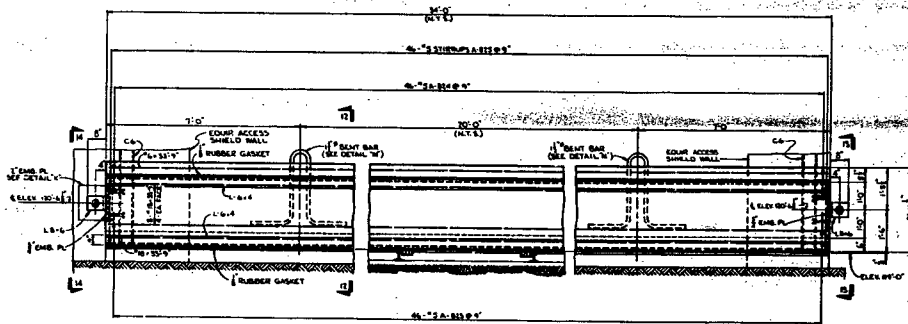
DATE	REVISION	FOR	BY



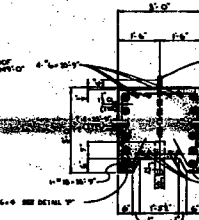
REMOVABLE WALL SECTION - TYPE 'C'  
(1-REQ'D)



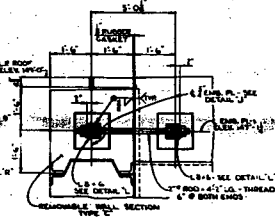
REMOVABLE WALL SECTION - TYPE 'B'  
(8-REQ'D)



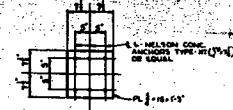
REMOVABLE WALL SECTION - TYPE 'A'  
(1-REQ'D)



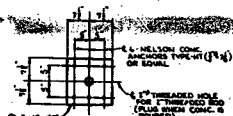
SECTION B-4



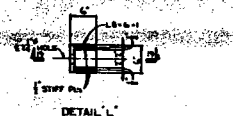
ELEVATION B-7 (AS SHOWN)  
ELEVATION B-8 (OPP HAND)



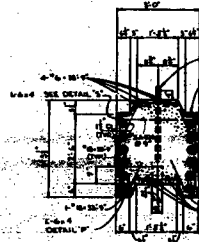
DETAIL V  
(1-REQ'D)



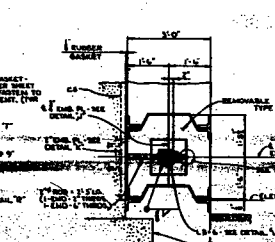
DETAIL K  
(1-REQ'D)



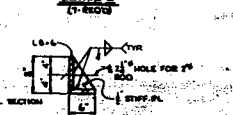
DETAIL L  
(1-REQ'D)



SECTION B-5



ELEVATION B-11 (AS SHOWN)  
ELEVATION B-12 (OPP HAND)



DETAIL M  
(1-REQ'D)



DETAIL N  
(1-REQ'D)



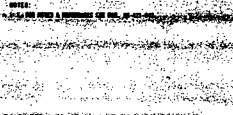
SECTION B-6



ELEVATION B-13 (AS SHOWN)  
ELEVATION B-14 (OPP HAND)



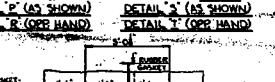
DETAIL O  
(1-REQ'D)



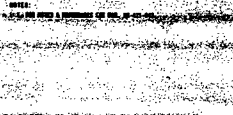
DETAIL P  
(1-REQ'D)



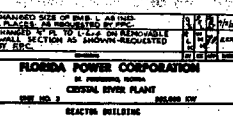
SECTION B-7



ELEVATION B-15 (AS SHOWN)  
ELEVATION B-16 (OPP HAND)



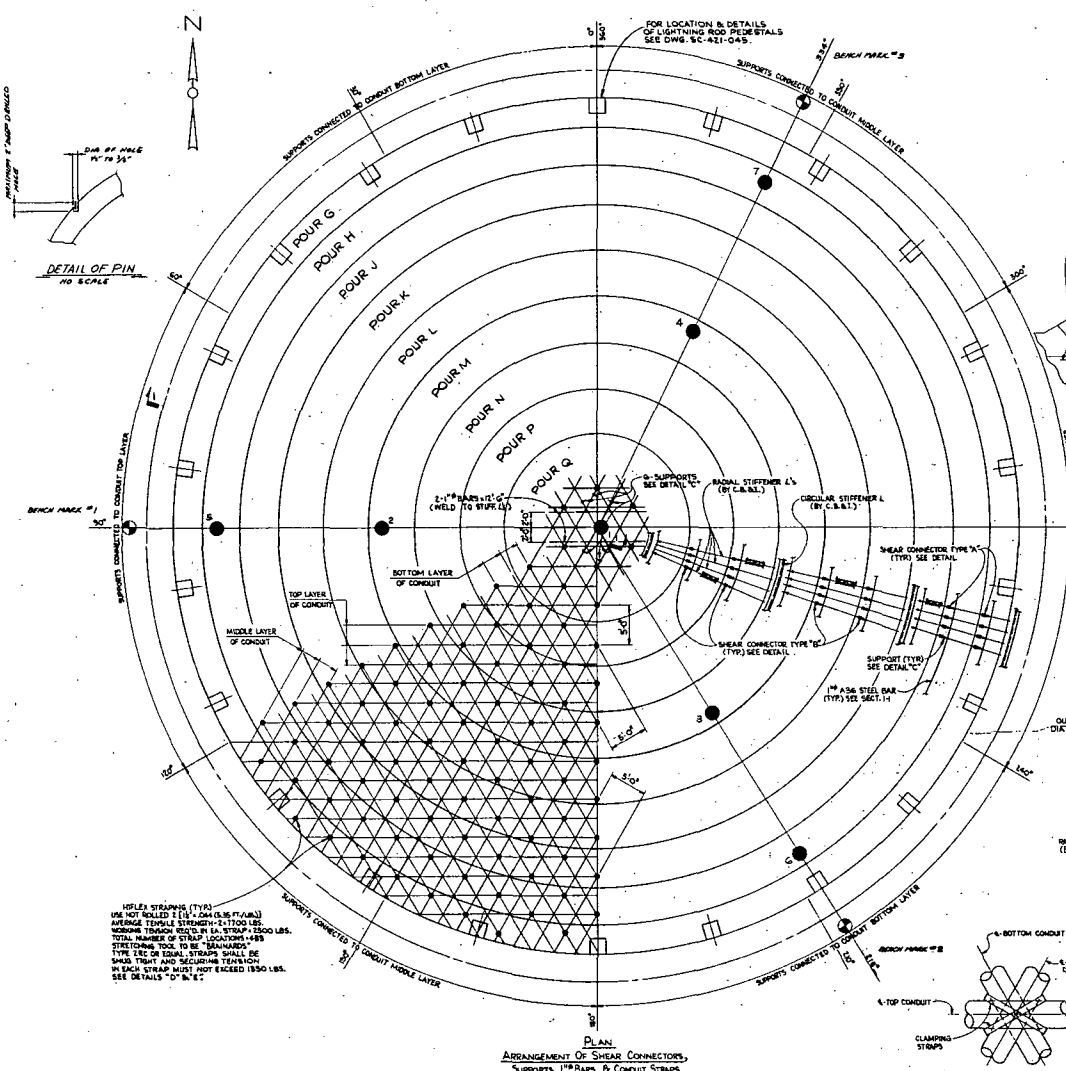
DETAIL Q  
(1-REQ'D)



DETAIL R  
(1-REQ'D)

DATE	CONSTRUCTION	BY	REVISION
	LIMITED CONSTRUCTION AS NOTED		
	FOR THE CONTRACTOR		
	ISSUED FOR THE CONTRACTOR		
	ISSUED FOR THE CONTRACTOR		

<b>FLORIDA POWER CORPORATION</b> A MEMBER OF THE CECELIA BERRY PLANT THE NO. 2 REACTOR BUILDING EQUIPMENT ACCESS WELLS STRUCTURE DETAILS	
APPROVED FOR CONSTRUCTION	APPROVED FOR CONSTRUCTION
DATE: 8-28-07	PROJECT NO: 80-421-047



**BASE LINE DATA**

DATE AND SURVEY TEAM: 12/15/54  
 OFFICE AND SURVEY TEAM: LCPH  
 ELEVATION OF BENCH MARKS:

BM	0.000
1	0.000
2	0.028

LOCATION: BASE LINE A.B.L.

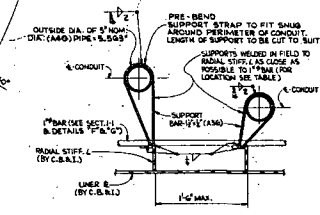
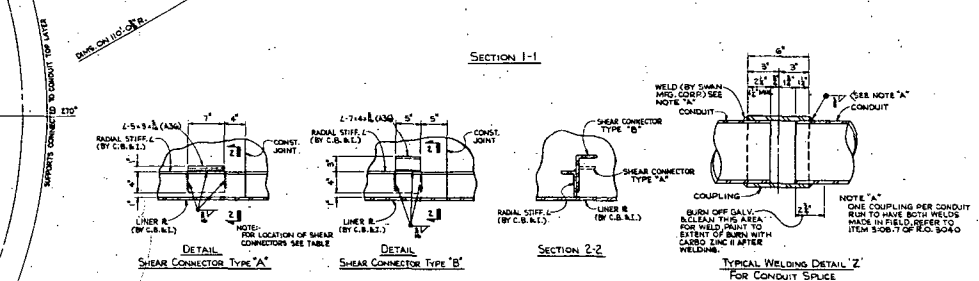
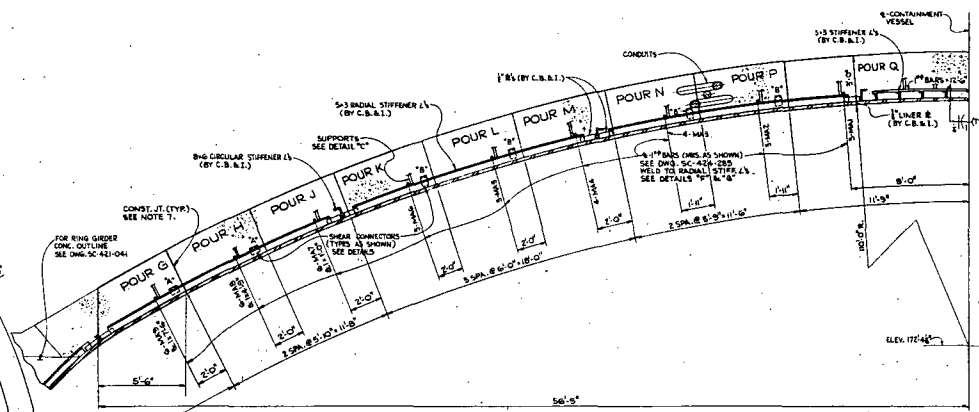
1	15.874
2	13.543
3	13.658
4	4.473
5	6.714
6	6.714
7	6.714

NOTE: A.B.L. IS THE METEOROLOGICAL POINT. THE B.M. REFERENCE BENCH MARKS TO THE SURVEY POINTS ON THE DRAWING.

**RECTANGULAR COORDINATES OF BENCH MARKS AND SURVEY POINTS**

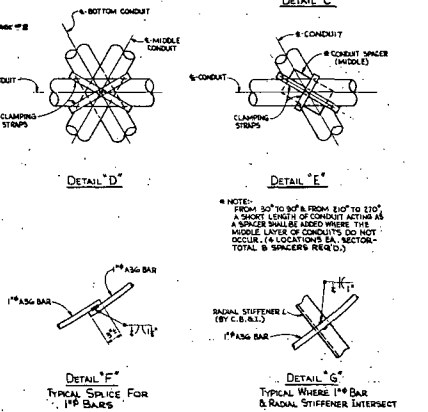
BENCH MARK	1	2	3
1	0+68.520' N	0+02.000' W	0+29.123' E
2	0+25.298' N	0+14.878' W	0+14.878' E
3	0+25.298' N	0+14.878' W	0+14.878' E

SURVEY POINTS	1	2	3	4	5	6	7
1	0+01.885' N	0+00.000' W	0+00.000' W	0+00.000' W	0+00.000' W	0+00.000' W	0+00.000' W
2	0+16.877' N	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W
3	0+16.877' N	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W
4	0+16.877' N	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W
5	0+16.877' N	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W
6	0+16.877' N	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W
7	0+16.877' N	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W	0+12.750' W



POUR	CIRCUMFERENTIAL JOINTS	SPACING OF JOINTS	CONNECTION OF SUPPORTS TO CONDUITS	SP. REIN. LAYER	LOCATION
G	NO	17' 0"	TOP	NO	0' TO 10' & 140' TO 160'
H	NO	17' 0"	TOP	NO	0' TO 10' & 140' TO 160'
I	NO	17' 0"	TOP	NO	0' TO 10' & 140' TO 160'
J	NO	17' 0"	TOP	NO	0' TO 10' & 140' TO 160'
K	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'
L	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'
M	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'
N	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'
O	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'
P	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'
Q	NO	17' 0"	MIDDLE	NO	0' TO 10' & 140' TO 160'

- NOTES:**
1. LINE PLATE SHOULD BE CONNECTED TO CONDUIT BY SUPPORTS ALONG & END AS SHOWN AND WELDED.
  2. SUPPORTS SHOULD BE CONCRETE TO THE SAME BEAR PRESSURE.
  3. SUPPORTS SHOULD BE CONCRETE TO THE STIFFENERS AND CONDUIT LAYERS OF CONDUIT AS INDICATED IN TABLE, PLAN & SECTION 'I-I'.
  4. THE WELDING OF THE SUPPORTS MUST BE PERFORMED WITH CONDUIT LAYERS OF CONDUIT IN POSITION. THAT IS, ALL SUPPORTS TO BE WELDED TO CONDUIT LAYERS OF CONDUIT BEFORE CONSTRUCTION OF CONDUIT LAYERS COMPLETE, FOLLOWED BY ERECTION OF STIFFENERS.
  5. FIELD JOINT INTERSECTION OF LINE TUBES CONDUIT AND TO BE WELDED TOGETHER (SEE PLAN AND DETAILS 'D' & 'E').
  6. ALL WELDING SHALL COMPLY WITH AWS D1.1.
  7. THE PREPARATION OF THE CONSTRUCTION DETAILS AND THE APPLICATION OF THE 'FIELD' JOINT RESTRICTING JOINT SHOULD BE CONSIDERED AS BEING IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIFICATION 4-11.1 (SECTION 4-11).
  8. ELECTRICAL BONDING SHALL BE IN PLACE BEFORE CONCRETE IS PLACED - SEE PLAN (4-11.1-1).



**AS BUILT PER PARA. 77.6.1.1**

NO.	DESCRIPTION	DATE	BY	CHECKED
1	INDICATED LIGHTNING ROD PRESENTS WERE ADDED	12/15/54	J.P.	J.P.
2	CHANGED PICTURE OF BENCHMARKS RELEASED	12/15/54	J.P.	J.P.
3	TYPICAL WELDING DETAIL AND RELATED CONSTRUCTION DETAILS INDICATED IN SECTION 11	12/15/54	J.P.	J.P.

**FLORIDA POWER CORPORATION**  
 FT. PETERSBURG, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 2 851,000 KW  
 REACTOR BUILDING  
 CONCRETE DONE  
 OUTLINE AND EMBEDDED STEEL

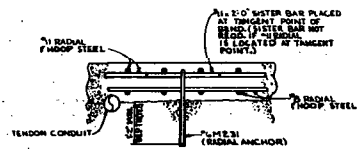
DESIGNED BY: SC-421-046  
 CHECKED BY: CONCRETE REINFORCEMENT PLACING  
 SC-421-046 REACTOR BLDG. CONCRETE FORM - SPECIAL BARS

DATE: 12/15/54  
 RELEASED FOR: [ ]  
 WELDED FOR: [ ]  
 REINFORCED FOR: [ ]  
 ERECTION FOR: [ ]  
 CONSTRUCTION FOR: [ ]

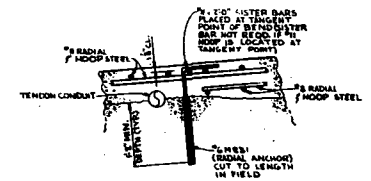
APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION  
 DATE: 12/15/54  
 BY: [ ]  
 TITLE: [ ]

SC-421-046

- GENERAL NOTES:
1. RADIAL ANCHORS SHALL BE COVERED BY THE THICKNESS OF SP-3000.
  2. SP-3000 AND RADIAL ANCHORS SHALL BE COVERED BY THE THICKNESS OF SP-3000.
  3. THE SPACING OF RADIAL ANCHORS SHALL BE AS SHOWN UNLESS NOTED OTHERWISE ON PLAN.

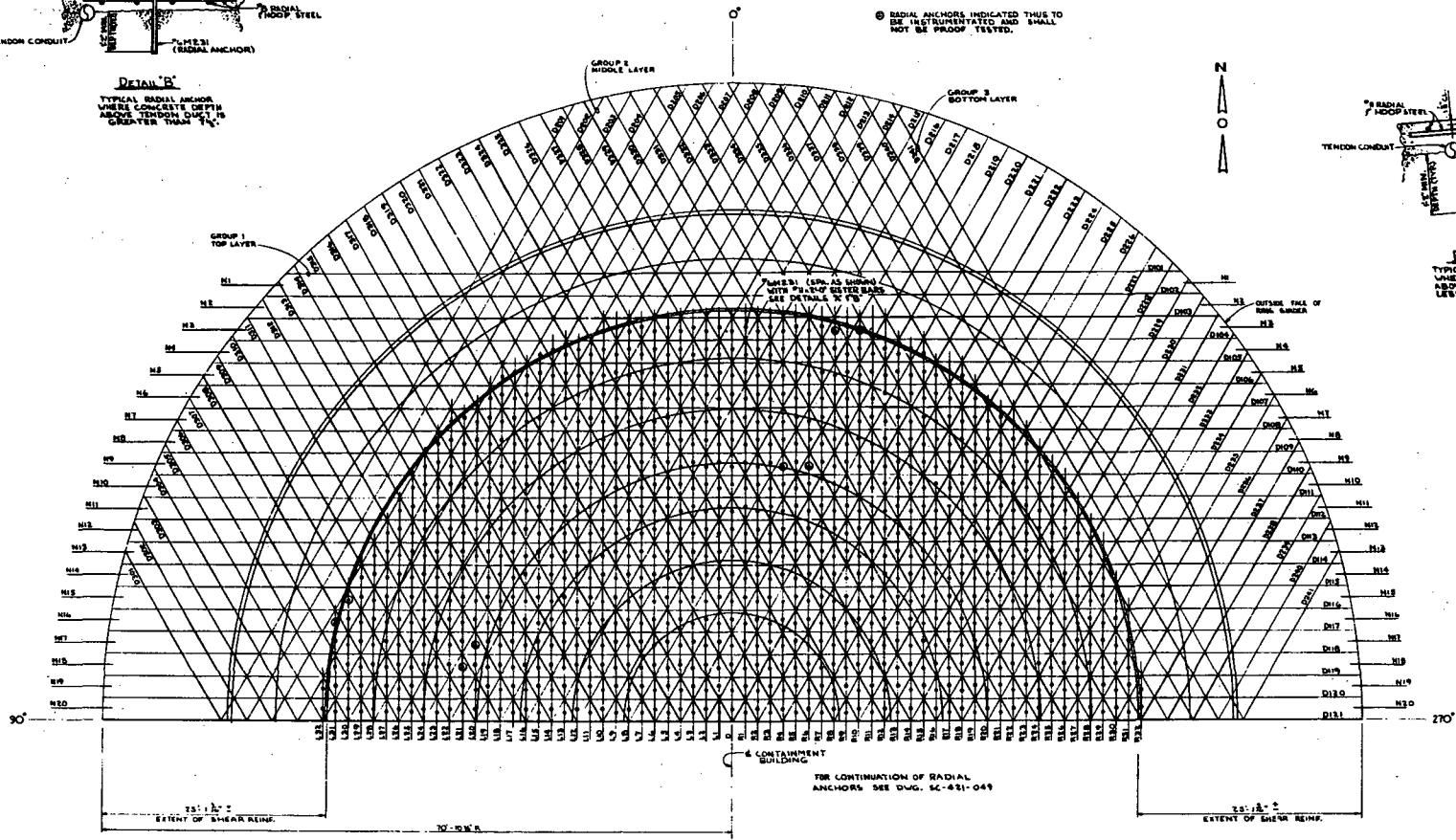


**DETAIL 'B'**  
TYPICAL RADIAL ANCHOR WHERE CONCRETE DEPTH ABOVE TENDON DUCT IS GREATER THAN 1/4"



**DETAIL 'A'**  
TYPICAL RADIAL ANCHOR WHERE CONCRETE DEPTH ABOVE TENDON DUCT IS LESS THAN 1/4"

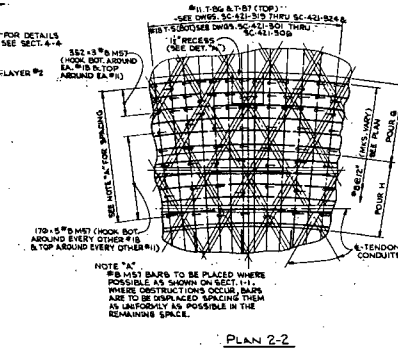
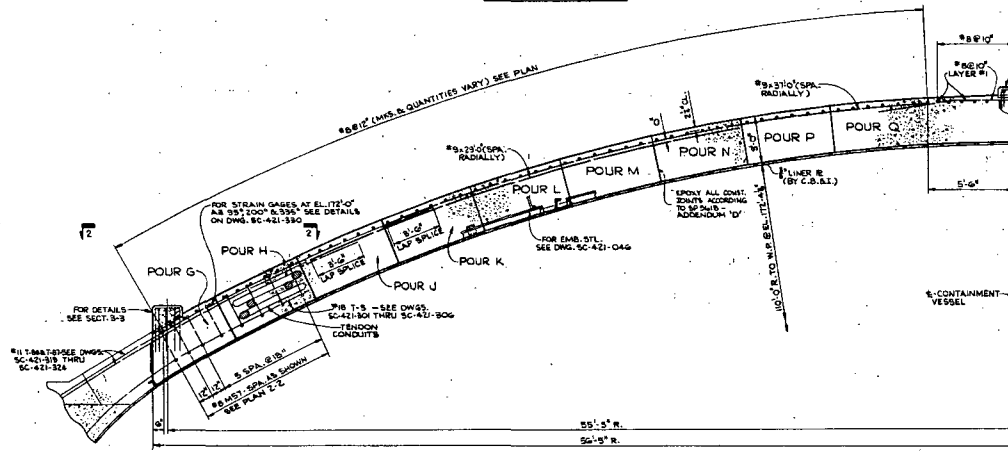
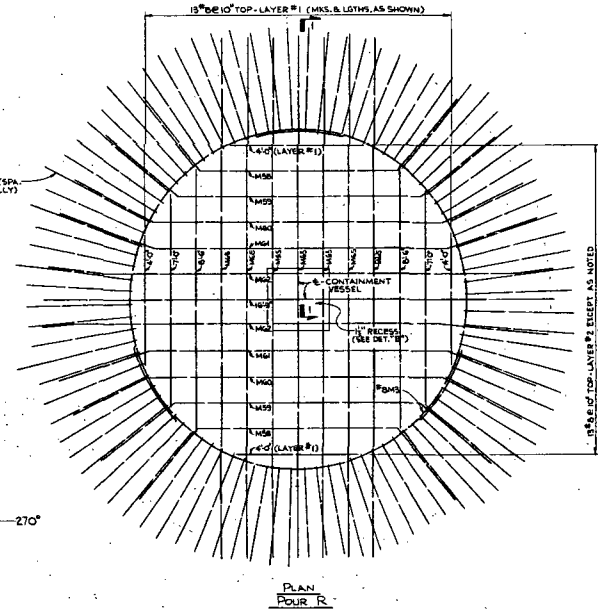
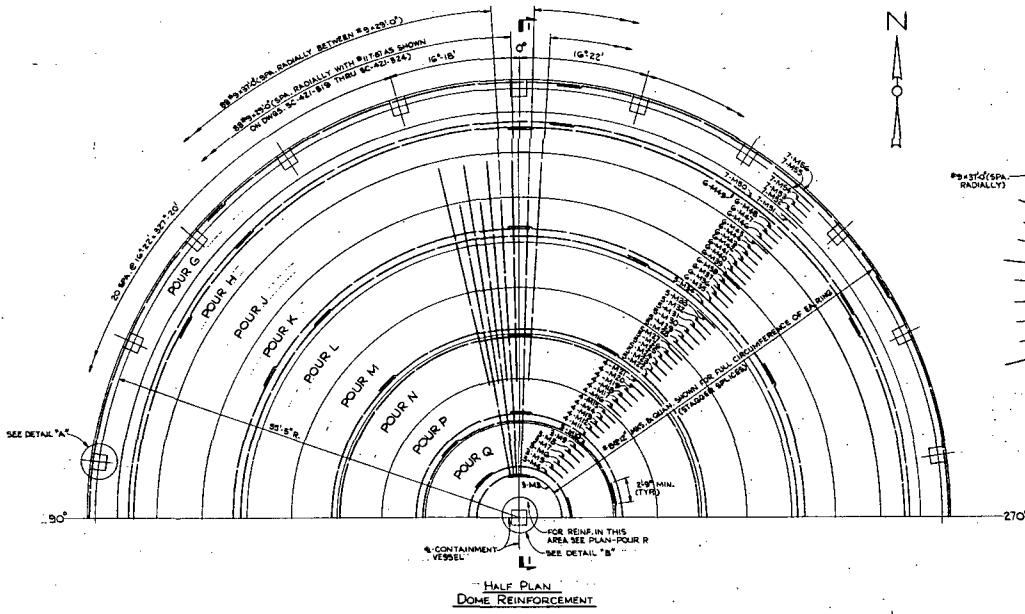
⊙ RADIAL ANCHORS INDICATED THIS TO BE INSTRUMENTED AND SHALL NOT BE PROOF TESTED.



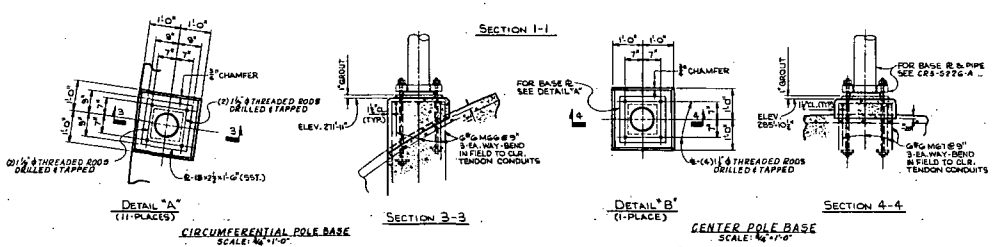
PLAN - RADIAL ANCHORS

NOTE:  
1. SEE SPEC AND INSTRUMENT. SEE DRAWING SC-421-049.

<b>FLORIDA POWER CORPORATION</b> 11000 W. BOULEVARD MIAMI, FLORIDA 33156 PROJECT NO. 1 11000 W. BOULEVARD	
PLAN OF SOME TENDON LAYOUT NORTH HALF BRIDGE SPAN, BRIDGE 11000 W. BOULEVARD	
DESIGNED BY CHECKED BY ENGINEER DATE	APPROVED FOR CONSTRUCTION BY DATE
RELEASED FOR DATE	SC-421-048 O SC-421-048



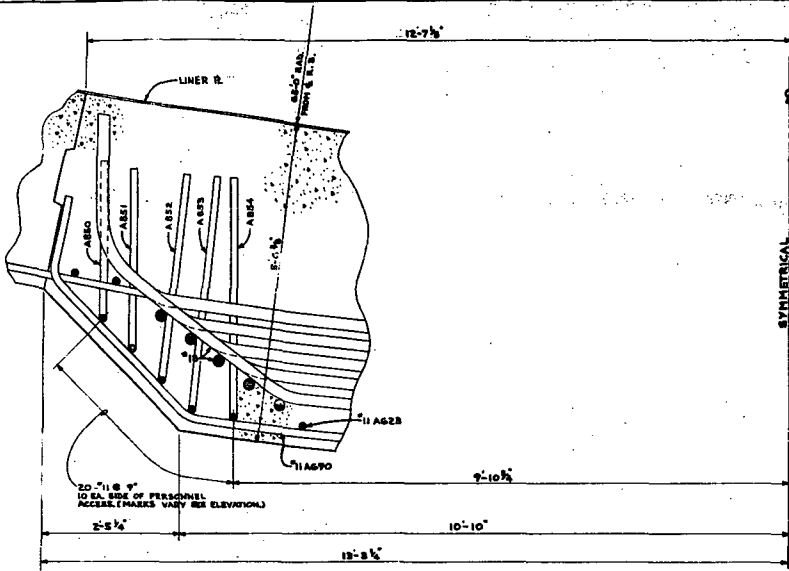
- 1. CONCRETE: SPECIFICATIONS SP-4000 & SP-4000 EXTENSION 3, MIN. P. 1. DESIGN AT 1.5 TIMES PLD TO 4000. SEE COMMENTS & 2. REINFORCING: SPECIFICATIONS SP-4000 & SP-4000 WITH 13" DIA. NET BARS 3. FOR ADDITIONAL NOTES & REFERENCES SEE DWG. SC-421-045



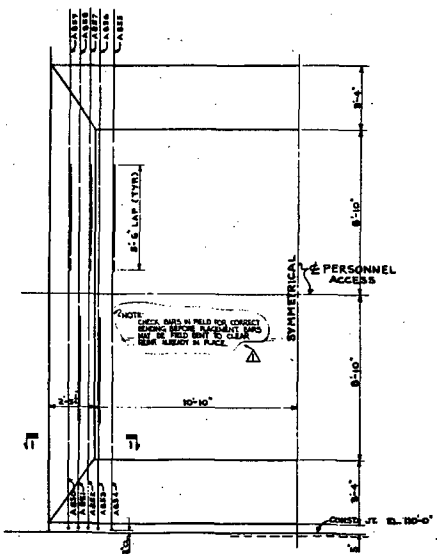
- REFERENCES: SC-421-045-0 MECHANICAL LIST SC-421-045-1 REINFORCEMENT LIST SC-421-045-2 REINFORCEMENT LIST SC-421-045-3 REINFORCEMENT LIST SC-421-045-4 REINFORCEMENT LIST

2. 1/2" BUILT PER PLAN 7B-8-10	SC-421-045
1. CHANGED 1/2" DIA. BARS TO 3/4" & ADDED EPOXY	SC-421-045
NOTE	SC-421-045
DATE	DATE
FLORIDA POWER CORPORATION ST. PETERSBURG, FLORIDA CRYSTAL RIVER PLANT LINE NO. 3 855,000 KW	
REACTOR BUILDING CONCRETE DOME REINFORCEMENT PLAN, SECTIONS AND DETAILS	
DESIGNED BY	FORBET ASSOCIATES, INC. MEMBER OF FORBET GROUP
APPROVED FOR CONSTRUCTION BY	FORBET ASSOCIATES, INC.
PRELIMINARY NOT FOR CONSTRUCTION	
REVISION PURPOSE ONLY	
NO. 423	E - 421 - 045 2 SC - 421 - 045
DATE	SCALE
RELEASED FOR	ENGINEER
DATE	SCALE

NO.	DATE	BY	REVISION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			



SECTIONAL PLAN 1-1  
SCALE - 1/4" = 1'-0"



ELEVATION  
SCALE - 1/4" = 1'-0"

PERSONNEL ACCESS  
SYMMETRICAL

- NOTES:
1. THIS PLAN IS TO BE USED IN CONNECTION WITH THE 10-41-67, 10-42-67, 10-43-67 & 10-44-67.
  2. FOR GENERAL NOTES & REFERENCES SEE SHEET 10-41-67.

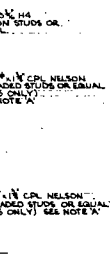
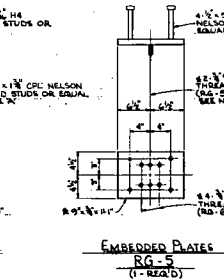
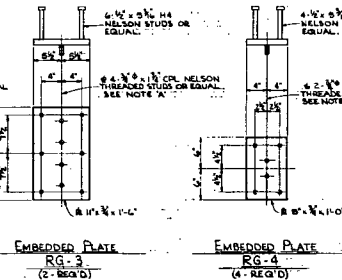
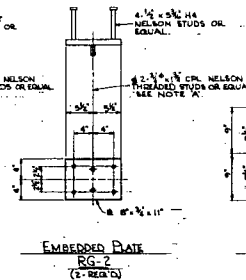
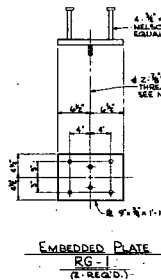
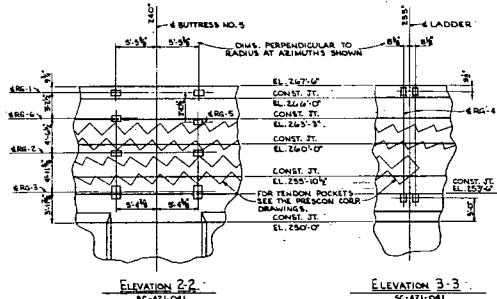
REFERENCES:  
10-41-67-4 REVISION LIST

NOTE: REFER TO FIELD CHANGE #111  
9/4/72

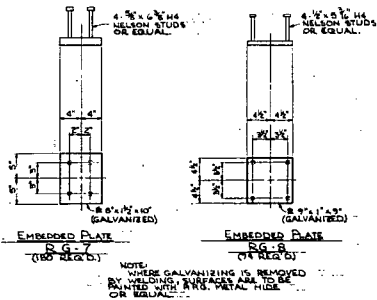
<b>FLORIDA POWER CORPORATION</b> 31 WASHINGTON, PALM BEACH, FLORIDA CRYSTAL EVER PLANT SHEET NO. 2		REACTION BUILDINGS EXTERIOR WALL - PERSONNEL ACCESS OPERATING FIELD CHANGE - ADDITIONAL 67' REINFORCING BARS
DESIGN ASSOCIATES, INC. 1001 N. W. 10th St. MIAMI, FLORIDA 33136	APPROVED DATE: 10/1/72 BY: [Signature]	10-41-67-4 10-42-67-4 10-43-67-4 10-44-67-4



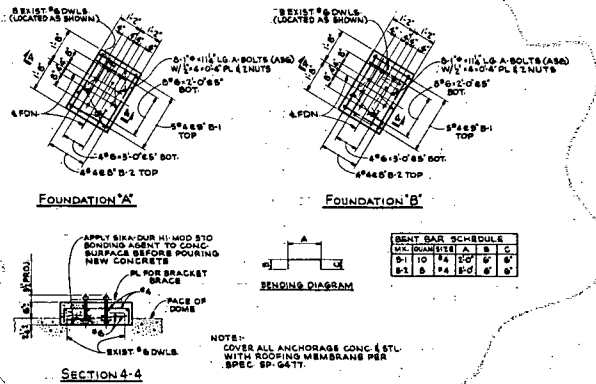
NOTE 'A'  
 THREADED STUDS TO BE LOCATED 1" APART  
 IN FIELD AFTER CONCRETE IS POURED  
 TO WELD PLANT VENT STEEL & LABEL



EMBEDDED PLATES  
 RG-5  
 (1-REQ'D)  
 RG-6  
 (1-REQ'D)  
 SIMILAR EXCEPT AS NOTED



NOTE: WHERE GALVANIZING IS REMOVED BY WELDING, SURFACES ARE TO BE PAINTED WITH E.P.S. METAL FIBER OR EQUIV.



BENT BAR SCHEDULE	U.C. DIMENSION	A	B	C
#11	14	10	6	8
#1	8	6	6	6

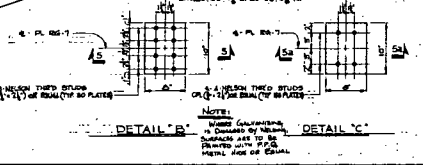
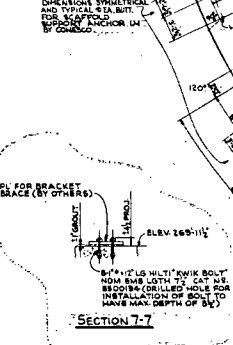
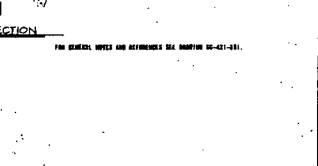
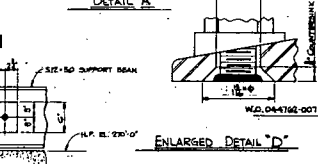
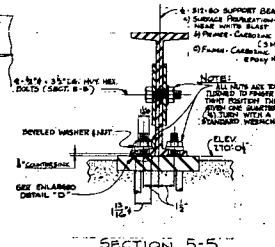
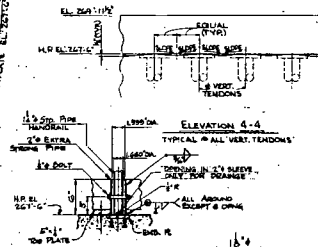
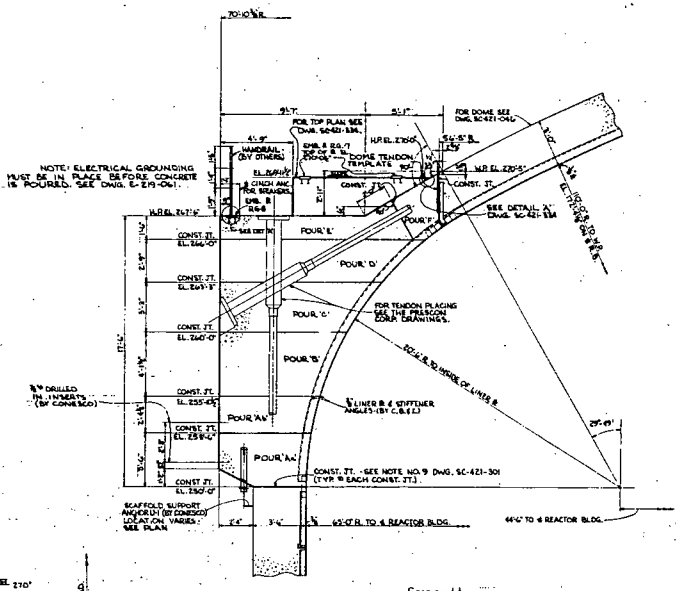
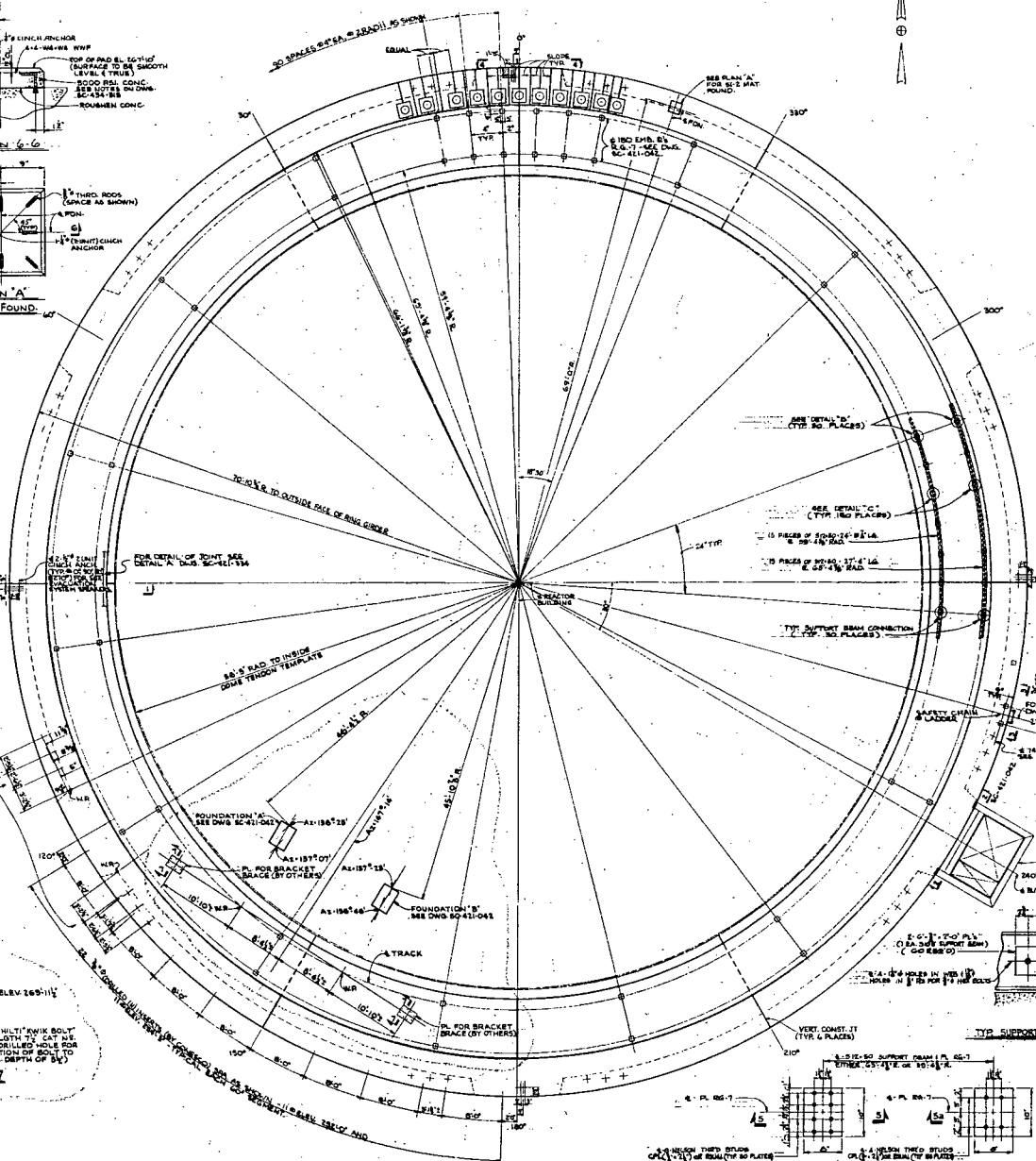
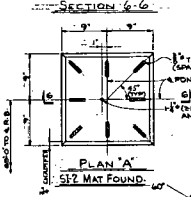
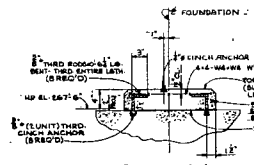
NOTE: COVER ALL ANCHORAGE CONC. (STL) WITH ROOFING MEMBRANE PER SPEC. SP. 64.11.

NOTES:  
 1. FOR GENERAL NOTES AND REFERENCES SEE SHE. 10-411-201.  
 2. THIS SHE. TO BE NUMBERED IN CONJUNCTION WITH SHE. 10-421-201.

W.C.D.4762-007

ADDED FOUND. 'A', FOUND. 'B', SECT. 6 & 6 AND	1	1	1	1
BAR SCHEDULE FOR RECTANGULAR BUILT	1	1	1	1
TO REFLECT AS BUILT CONDITION.				
ADDED PLATES RG-7 & RG-8	1	1	1	1
REVISION				
<b>FLORIDA POWER CORPORATION</b> 22 PETERSBURG, FLORIDA <b>CRYSTAL RIVER PLANT</b> UNIT NO. 3 55,000 KW REACTOR BUILDING RING GIRDER - CONCRETE OUTLINE ELEVATIONS, SECTIONS AND DETAILS				
PREPARED BY: GILBERT ASSOCIATES, INC. CHECKED BY: [Signature] DATE: 11-17-73		APPROVED FOR CONSTRUCTION BY: [Signature] DATE: 11-17-73		
LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION BIDDING PURPOSES ONLY		PROJECT NO. 4203 E-421-042 SHEET NO. 2 SC-421-042		
DATE	RELEASED FOR	ENGR. SCALE	WORK ORDER	DATE



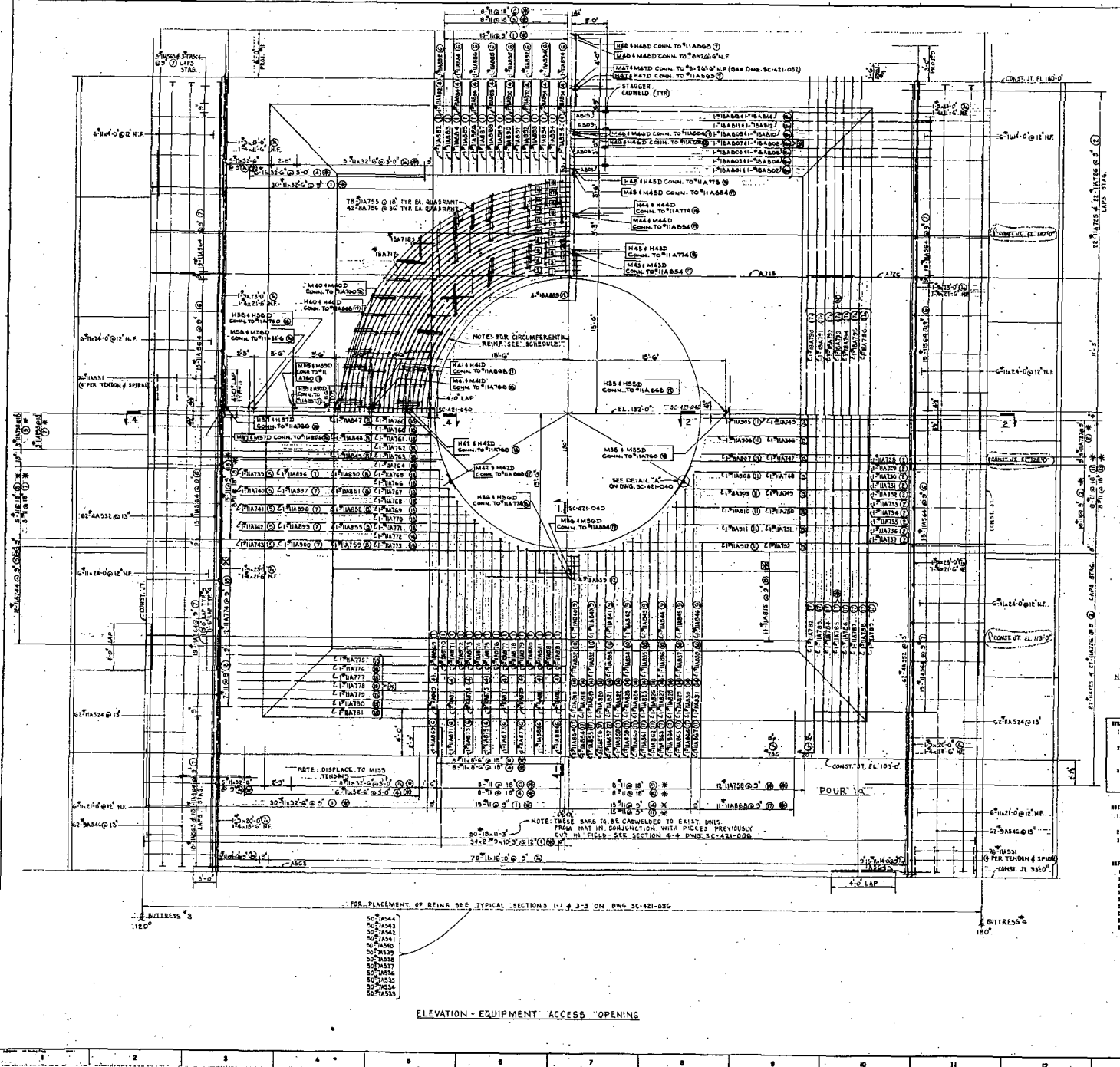


1	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
2	TYP. SUPPORT BEAM CONNECTION SET AS SHOWN.	11/10/74	11/10/74
3	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
4	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
5	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
6	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
7	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
8	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
9	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74
10	REMOVED HOLES FROM NEARFIELD SUPPORT ANCHOR LOCATIONS AND INVERTS.	11/10/74	11/10/74

**FLORIDA POWER CORPORATION**  
CRYSTAL RIVER PLANT  
UNIT NO. 2  
REACTOR BUILDING  
STEEL  
CONCRETE OUTLINE - PLAN AND SECTIONS

DATE: 4/20/74  
DRAWN BY: E-421-041  
CHECKED BY: B SC-421-041

APPROVED FOR CONSTRUCTION BY: [Signature]



**SCHEDULE OF CIRCUMFERENTIAL REIN.**

QTY	SIZE	MARK	LENGTH	SPACING	SIZE	MARK	LAYER	QTY
3	#8	A700	3	1	#8	A707	15	8
3	#8	A700	15	1	#8	A707	16	8
3	#8	A700	10	1	#8	A708	15	9
3	#8	A700	15	1	#8	A708	16	9
3	#8	A701	15	2	#8	A709	15	10
3	#8	A701	15	2	#8	A709	16	10
3	#8	A702	5	3	#8	A710	3	11
3	#8	A702	15	3	#8	A710	15	11
3	#8	A702	16	3	#8	A710	16	11
3	#8	A703	15	4	#8	A712	16	15
3	#8	A703	16	4	#8	A712	16	16
3	#8	A704	3	5	#8	A714	3	12
3	#8	A704	15	5	#8	A714	16	15
3	#8	A704	16	5	#8	A714	16	16
3	#8	A705	15	6	#8	A715	3	17
3	#8	A705	16	6	#8	A715	3	17
3	#8	A706	5	7	#8	A717	16	18
3	#8	A706	16	7	#8	A717	16	18
3	#8	A706	16	7	#8	A718	16	19

NOTE: FOR LAYERS OF REIN. SEE DWG. SC-421-040.

**CADWELD SCHEDULE FOR CIRCUMFERENTIAL REIN.**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

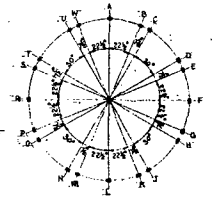
LETTERS INDICATE CADWELD LOCATIONS - SEE CADWELD DETAILS BELOW

HORIZONTAL RADIUS (1) - 10'-0"  
 HORIZONTAL RADIUS (2) - 7'-0"  
 HORIZONTAL RADIUS (3) - 6'-0"

NOTE: TO INSIDE OF BAR

VERTICAL CIRCLES (1) BARS TO ALSO BE BENT ON A HORIZONTAL RADIUS (SEE TABLE ABOVE) TO BE FILLED AFTER CADWELDS ARE MADE - CADWELDS MUST BE ORIENTED ACCORDING TO CADWELD DETAILS BEFORE BENDING.

TO CIRC. BEND TABLE



CADWELD DETAILS

NOTE:

- REIN. INDICATED THIS IS SYMMETRICAL ABOUT VERT. & OR SPAN.
- REIN. INDICATED THIS IS SYMMETRICAL ABOUT HORIZ. & OR SPAN.
- REIN. INDICATED THIS IS SYMMETRICAL ABOUT HORIZ. & VERT. & OR SPAN.

**GENERAL NOTES:**

- FOR CIRCUMFERENTIAL REINFORCEMENT AND STRAIN BAR SPACING SEE DWG. SC-421-006.
- FOR STRAIN BAR LOCATIONS SEE THIS DRAWING. AT THE LOCATION OF THE REINFORCEMENT BARS ONLY THE LATEST DRAWING (AS NOTED) SHALL BE WITHHELD BY THE E.I.T. CONTRACTOR.
- A "TENDON MARK" IS SHOWN IN THIS DRAWING. MARKS ARE SHOWN IN 4" DIA. 3'-0" DIA. SUPPLIED BY THE E.I.T. CONTRACTOR. LOCATIONS AND SPACING SHALL BE AS SHOWN ON THIS DRAWING.
- STRAIN BARS ARE MARKED THIS SIDE & THAT SIDE WITH "W" INDICATED SEE DWG. SC-421-006.
- STRAIN BARS INDICATED IN THE ORIGINAL DRAWING, "W" INDICATED A STRAIN BAR LOCATED IN THE OTHER DIRECTION. "W" INDICATED A "TENDON MARK". THE NUMBER (1-3) REFERS TO THE ORIGINAL NUMBER OF THE STRAIN BAR IN DWG. SC-421-006.

**NOTES:**

- THIS DRAWING IS TO BE CONSIDERED TO BE IN PLACE PREVIOUSLY IN FIELD - SEE SECTION 4-9 DWG. SC-421-006.
- FOR STRAIN BAR LOCATIONS SEE THIS DRAWING. AT THE LOCATION OF THE REINFORCEMENT BARS ONLY THE LATEST DRAWING (AS NOTED) SHALL BE WITHHELD BY THE E.I.T. CONTRACTOR.
- A "TENDON MARK" IS SHOWN IN THIS DRAWING. MARKS ARE SHOWN IN 4" DIA. 3'-0" DIA. SUPPLIED BY THE E.I.T. CONTRACTOR. LOCATIONS AND SPACING SHALL BE AS SHOWN ON THIS DRAWING.

**REFERENCES:**

- ACI 308-2R-90 REINFORCEMENT TIES
- ACI 308-2R-90 REINFORCEMENT TIES
- ACI 308-2R-90 REINFORCEMENT TIES
- ACI 308-2R-90 REINFORCEMENT TIES
- ACI 308-2R-90 REINFORCEMENT TIES
- ACI 308-2R-90 REINFORCEMENT TIES
- ACI 308-2R-90 REINFORCEMENT TIES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T

FOR PLACEMENT OF REIN. SEE TYPICAL SECTIONS 1-1 & 3-3 ON DWG. SC-421-006

50#1544  
50#1543  
50#1542  
50#1541  
50#1540  
50#1539  
50#1538  
50#1537  
50#1536  
50#1535  
50#1534  
50#1533

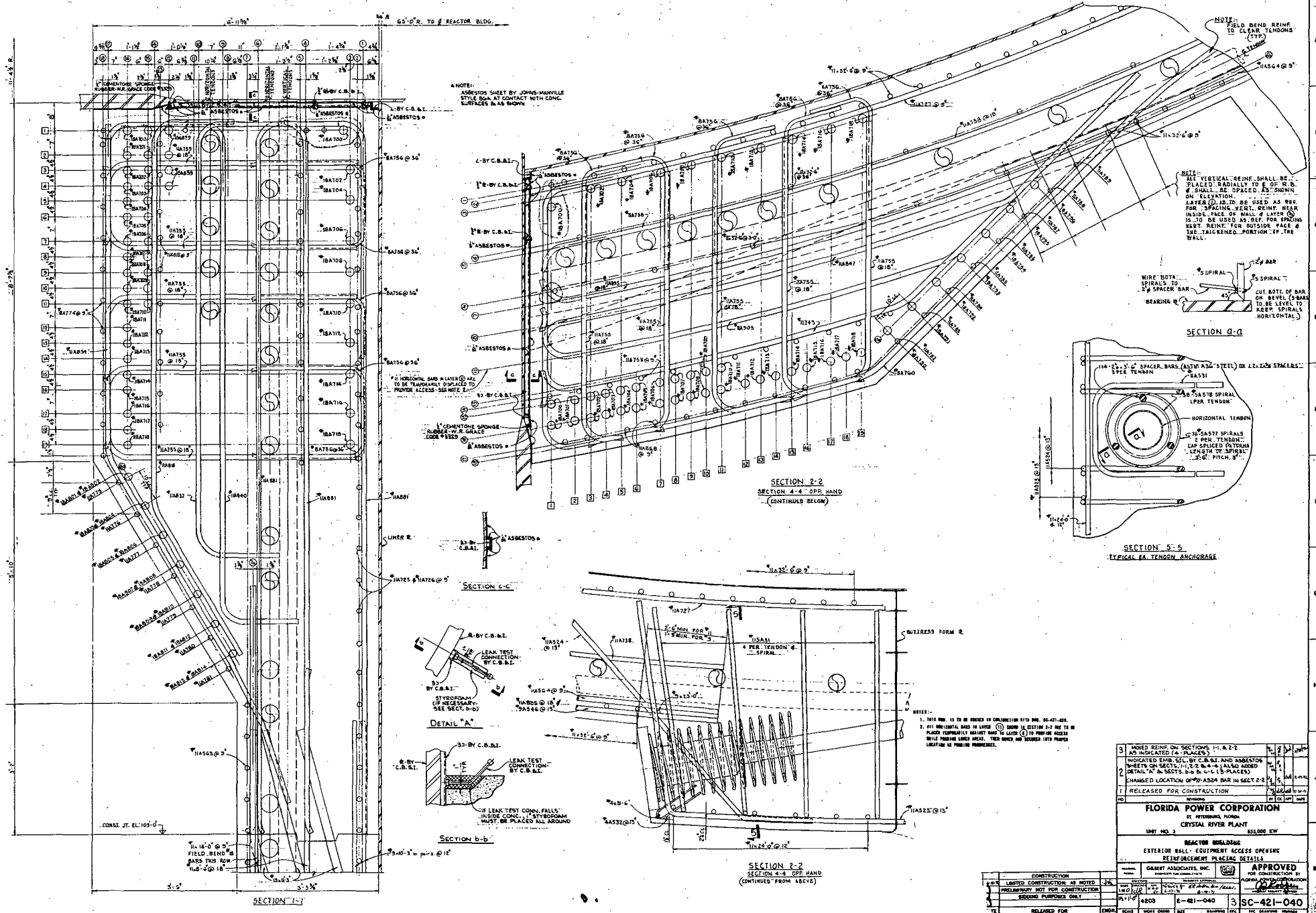
**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG, FLORIDA  
**CRYSTAL RIVER PLANT**  
 UNIT NO. 3 833,000 KW

REACTOR BUILDING  
 EXTERIOR WALL - EQUIPMENT ACCESS OPENING  
 REINFORCEMENT PLACING

DESIGN BY: GEMMY ASSOCIATES, INC.  
 APPROVED FOR CONSTRUCTION BY: [Signature]

DATE: 11-1-83  
 RELEASED FOR: [Signature]  
 SCALE: AS SHOWN  
 SHEET NO.: 212  
 OF 212 SHEETS

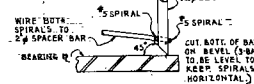
**SC-421-039**  
 18 E-10-13



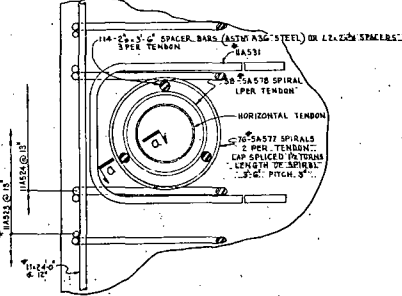
NOTE:  
ASBESTOS SHEET BY JOHN-MANVILLE  
STYLE 80A-AT CONTACT WITH CONC.  
SURFACES AS SHOWN

NOTE:  
FIELD BEND BEING  
TO CLEAR TENDONS  
(TYP)

NOTE:  
ALL VERTICAL REINF. SHALL BE  
PLACED RADIALLY TO E. OF R.B.  
& SHALL BE SPACED AS SHOWN  
ON ELEVATION.  
LAYERS TO BE USED AS REF.  
FOR SPACING VERT. REINF. NEAR  
INSIDE FACE OF WALL & LAYER  
IS TO BE USED AS REF. FOR SPACING  
VERT. REINF. FOR OUTSIDE FACE &  
THE SAME UNLESS POSITION OF THE  
WALL.



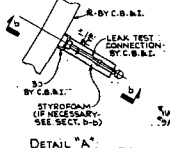
SECTION 4-4



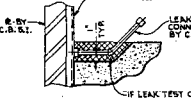
SECTION 5-5  
TYPICAL EA. TENDON ANCHORAGE

SECTION 2-2  
SECTION 4-4 OPP. HAND  
(CONTINUED BELOW)

SECTION 3-3



DETAIL "A"



SECTION 6-6

SECTION 2-2  
SECTION 4-4 OPP. HAND  
(CONTINUED FROM ABOVE)

NOTES:  
1. THIS WALL IS TO BE BUILT IN CONFORMANCE WITH DDC 88-401-REV.  
2. ALL HORIZONTAL BARS IN LAYERS (1) & (2) SHALL BE DESIGN 3-7 REB TO BE  
PLACED SEPARATELY FROM THE REB IN LAYER (3) TO PROVIDE ACCESS  
TO THE REB LINES. THESE REB AND SPACERS MUST BE PLACED  
LOCATED AS SHOWN IN DRAWING.

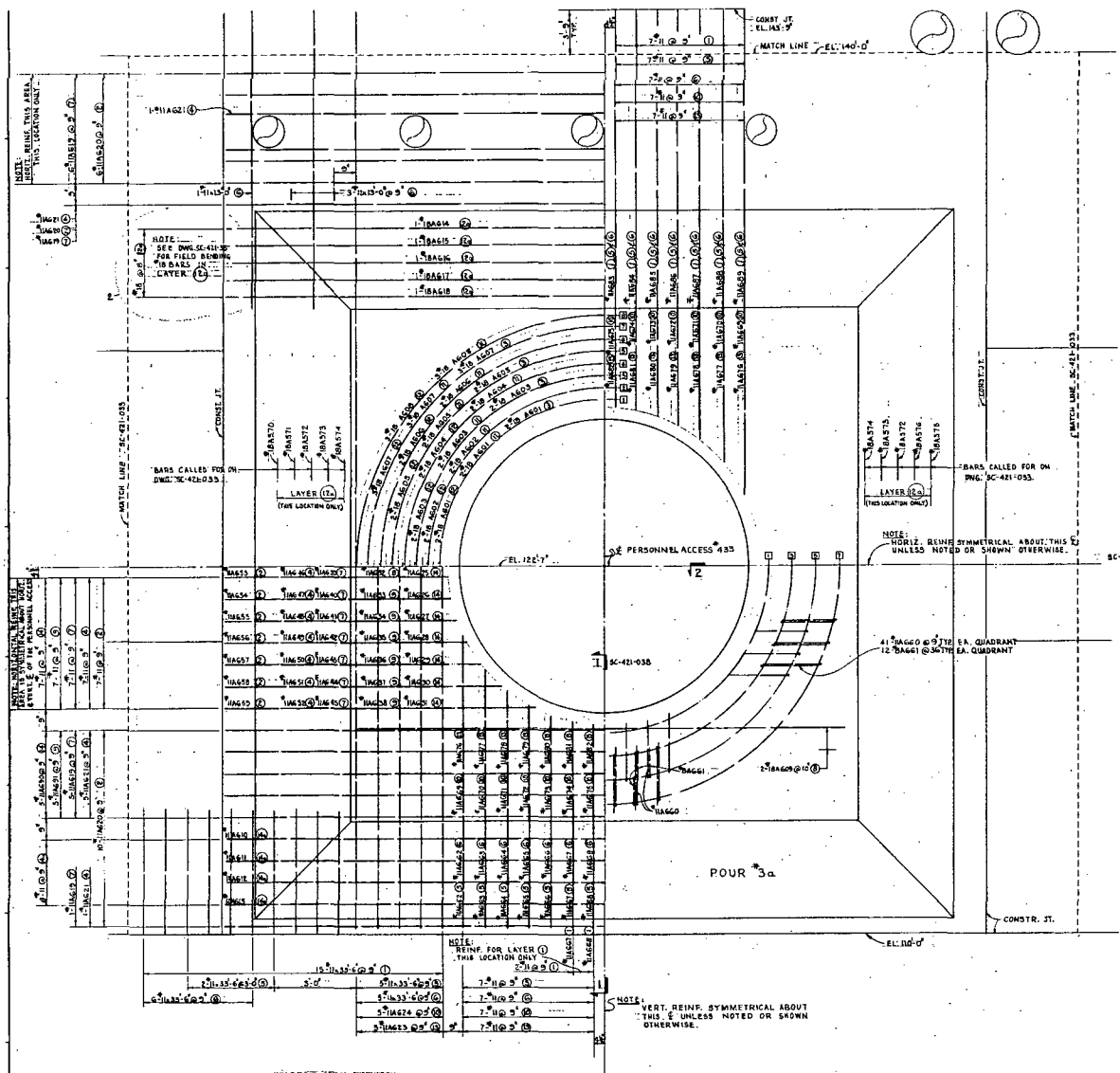
3	MOVED REINF. ON SECTIONS 1-1, 2-2	1	1	1	1
2	INDICATED EMB. SILL BY C.B.S.I. AND ASBESTOS	1	1	1	1
1	CHANGED LOCATION OF #5 ASP. BAR IN SECT 2-2	1	1	1	1
1	RELEASED FOR CONSTRUCTION	1	1	1	1

FLORIDA POWER CORPORATION  
CRYSTAL RIVER PLANT  
UNIT NO. 2 855,000 KW

REACTOR BUILDING  
EXTERIOR WALL - EQUIPMENT ACCESS OPENING  
REINFORCEMENT PLACING DETAILS

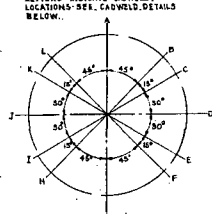
DESIGNED BY	GRIST ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY	[Signature]
CHECKED BY	[Signature]	FOR CONSTRUCTION BY	[Signature]
DATE	11-10-60	NO. OF SHEETS	3
SCALE	AS SHOWN	DATE	11-10-60
PROJECT NO.	88-401-REV.	DATE	11-10-60
REVISION		DATE	11-10-60
DATE	11-10-60	DATE	11-10-60

3 SC-421-040  
11 E-10-13



**CADWELD SCHEDULE**

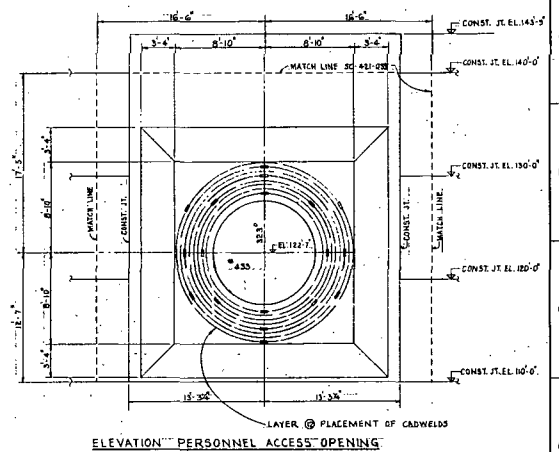
RING	1	2	3	4	5	6	7	8	9	10	11	12
LAYER	1	2	3	4	5	6	7	8	9	10	11	12



**CADWELD-DETAILS**

HORIZONTAL RADIUS	⊙ = 65'-1 1/2"
HORIZONTAL RADIUS	⊙ = 65'-3/4"
HORIZONTAL RADIUS	⊙ = 66'-0"

VERTICAL CIRCULAR (⊙) BARS TO ALSO BE BENT ON A HORIZONTAL RADIUS. SEE TABLE ABOVE.  
 \*IS-CIRC BEND TABLE



LAYER Ⓞ PLACEMENT OF CADWELDS  
**ELEVATION PERSONNEL ACCESS OPENING**

REVISIONS:  
 1. THIS DWG. IS TO BE MAILED IN CONSTRUCTION WITH DWG. SC-421-033.  
 2. FOR SECTIONS 1-1 & 1-2 SEE DWG. SC-421-034.

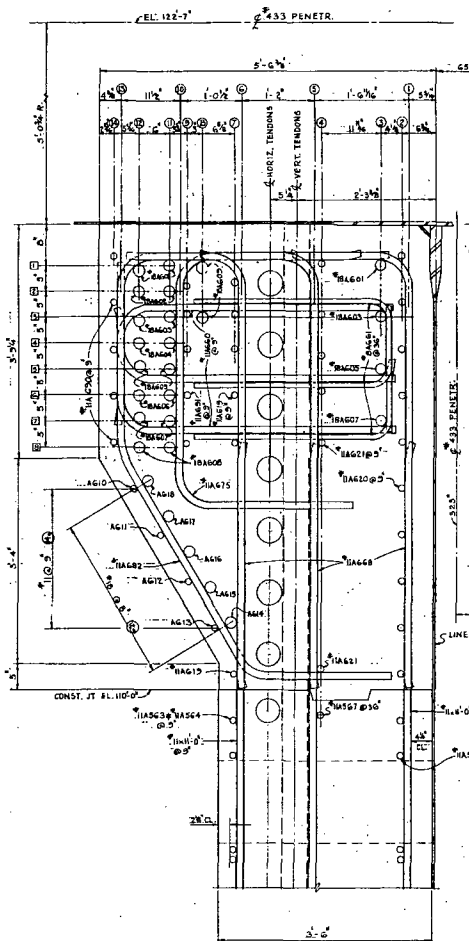
REFERENCES:  
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 SC-421-018 REINFORCEMENT LIST  
 SC-421-019 REINFORCEMENT LIST  
 SC-421-020 REINFORCEMENT LIST  
 SC-421-021 REINFORCEMENT LIST  
 SC-421-022 REINFORCEMENT LIST  
 SC-421-023 REINFORCEMENT LIST  
 SC-421-024 REINFORCEMENT LIST  
 SC-421-025 REINFORCEMENT LIST

4	REVISED NOTE AS INDICATED (1) PLACE	10/1	10/19/92
3	REVISED REBAR CONCRETE MIX AS INDICATED	10/1	10/19/92
2	#10 BARS IN LAYER (2) REVISED TO SUIT THE PLAN	10/1	10/19/92
1	MOVED CONSTRUCTION JOINTS REVISED REINFT.	10/1	10/19/92

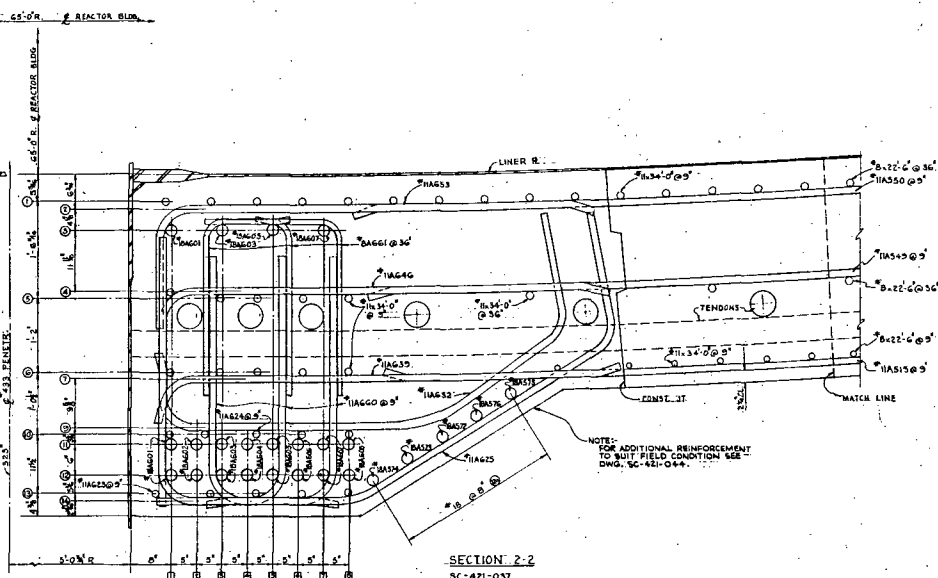
**FLORIDA POWER CORPORATION**  
 31 RETROFITTING, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3 823,000 KW

REACTOR BUILDING  
 EXTERIOR WALL - PERSONNEL ACCESS OPENING  
 REINFORCEMENT PLATINGS

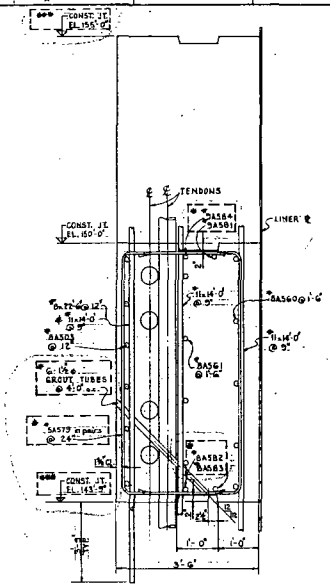
CONSTRUCTION	DATE	APPROVED
LIMITED CONSTRUCTION AS NOTED	10/19/92	APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION
PRELIMINARY NOT FOR CONSTRUCTION		
BOOKING PURPOSES ONLY		
DATE	RELEASED FOR	EMSA
		4203
		E-421-037
		4
		SC-421-037



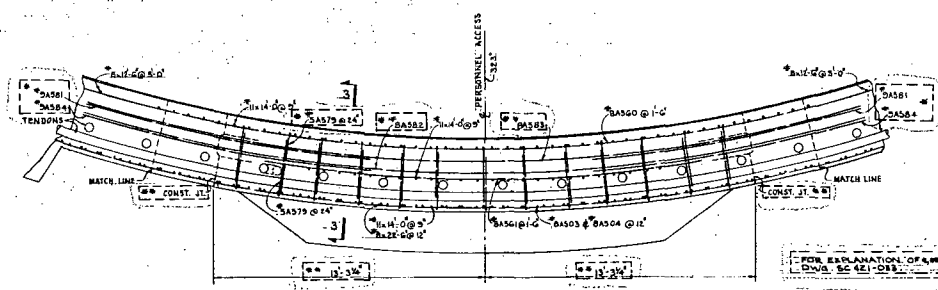
SECTION 1-1  
SC-421-037



SECTION 2-2  
SC-421-037



SECTION 3-3  
SC-421-037



SECTION 4-4  
SC-421-037

NOTE:  
FOR ADDITIONAL REINFORCEMENT  
TO SUIT FIELD CONDITION SEE  
DWG. SC-421-044.

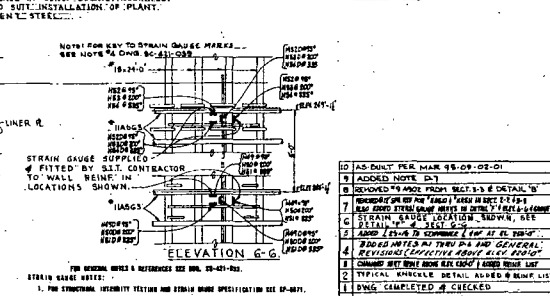
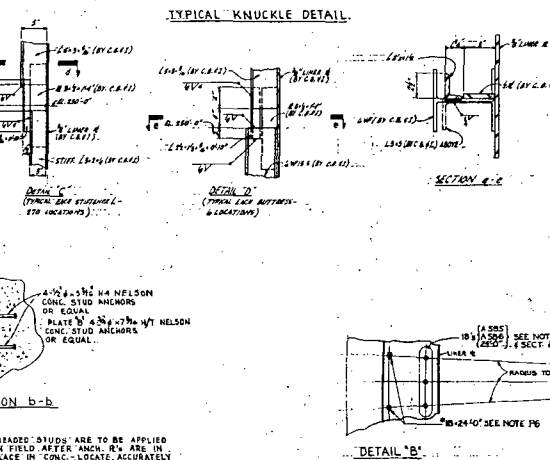
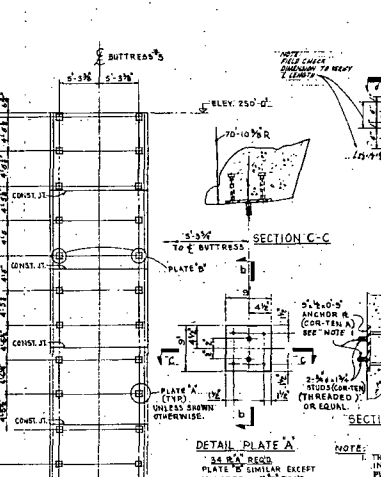
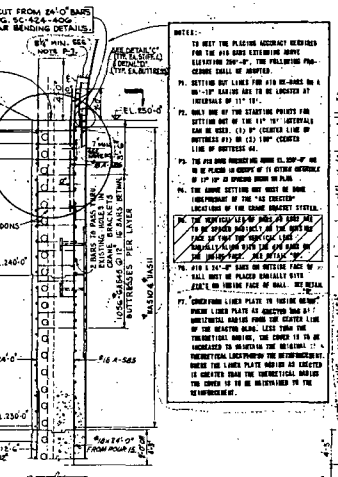
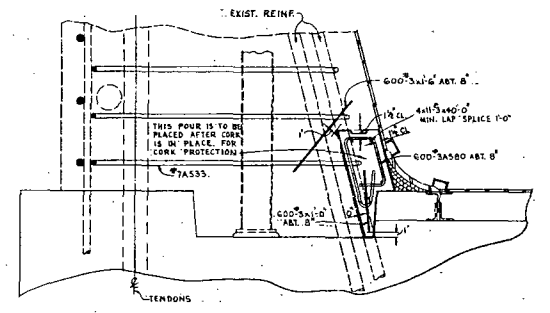
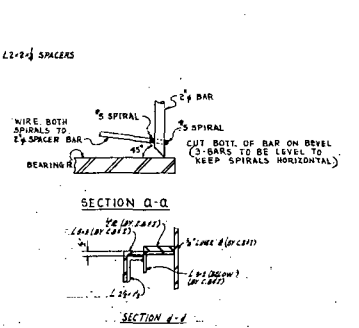
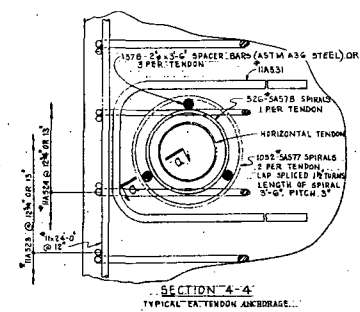
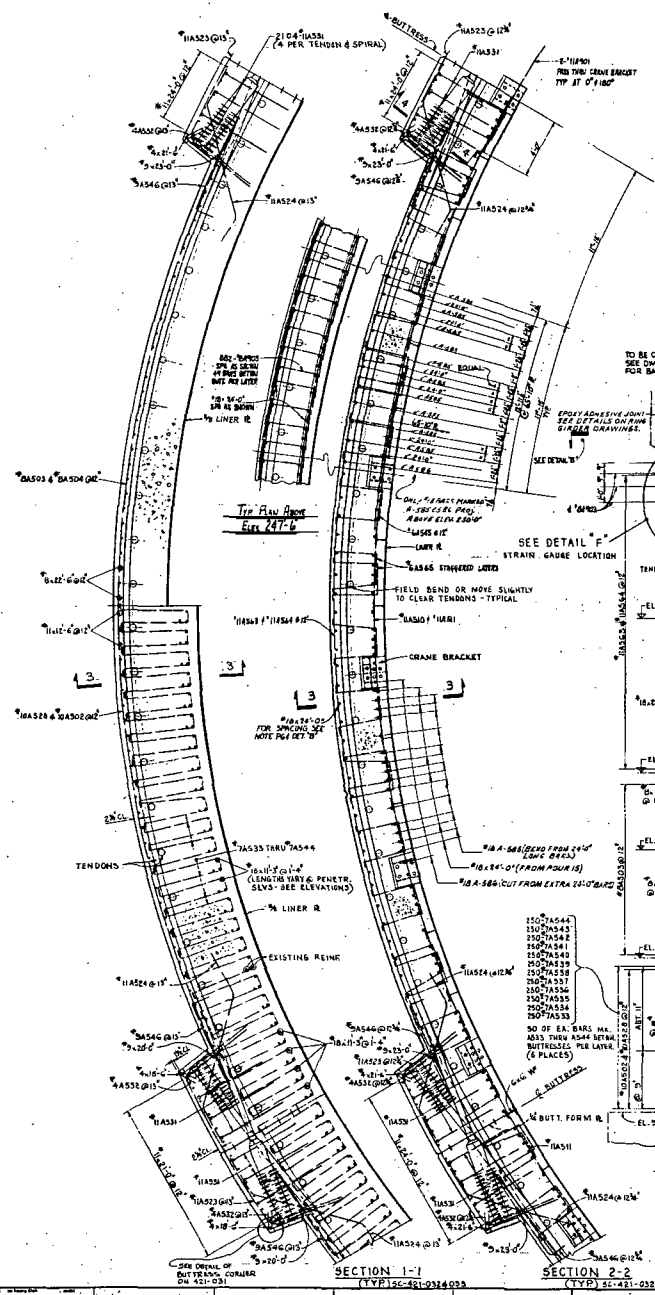
FOR EXPLANATION OF A, B, AND C, SEE  
DWG. SC-421-028.

NOTES:  
1. THIS DRAWING IS TO BE NUMBERED IN CONFORMANCE WITH  
REV. SC-421-037.

4	ADDED NOTES B, C, D, AND E, B, C, D, AND E, B, C, D, AND E	10/11/73	10/11/73
3	ADDED NOTE TO SECT. 2-2 AS IND. (CLIP)	10/11/73	10/11/73
2	PREPARED CONG. NOTE DELETED FROM ECT. 1-1	10/11/73	10/11/73
1	REVISED SECT. 2-2; ADDED SECTIONS 3-3 & 4-4	10/11/73	10/11/73

**FLORIDA POWER CORPORATION**  
 ST. PETERSBURG PLANT  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
**REACTOR BUILDING**  
**EXTERIOR RAIL - PERSONNEL ACCESS OPENING**  
**REINFORCEMENT PLACING DETAILS & SECTIONS**  
 PREPARED BY: ORNSTEIN ASSOCIATES, INC.  
 APPROVED BY: [Signature]  
 FOR CONSTRUCTION BY: [Signature]

DATE	RELEASED FOR	SCALE	WORK SHEET NO.	REV.	NO.	SC-421-038	4	SC-421-038
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NO.	AS BUILT PER MARK 98-09-02-01	NO.	AS BUILT PER MARK 98-09-02-01
10	AS BUILT PER MARK 98-09-02-01	10	AS BUILT PER MARK 98-09-02-01
11	AS BUILT PER MARK 98-09-02-01	11	AS BUILT PER MARK 98-09-02-01
12	AS BUILT PER MARK 98-09-02-01	12	AS BUILT PER MARK 98-09-02-01
13	AS BUILT PER MARK 98-09-02-01	13	AS BUILT PER MARK 98-09-02-01
14	AS BUILT PER MARK 98-09-02-01	14	AS BUILT PER MARK 98-09-02-01
15	AS BUILT PER MARK 98-09-02-01	15	AS BUILT PER MARK 98-09-02-01
16	AS BUILT PER MARK 98-09-02-01	16	AS BUILT PER MARK 98-09-02-01
17	AS BUILT PER MARK 98-09-02-01	17	AS BUILT PER MARK 98-09-02-01
18	AS BUILT PER MARK 98-09-02-01	18	AS BUILT PER MARK 98-09-02-01
19	AS BUILT PER MARK 98-09-02-01	19	AS BUILT PER MARK 98-09-02-01
20	AS BUILT PER MARK 98-09-02-01	20	AS BUILT PER MARK 98-09-02-01
21	AS BUILT PER MARK 98-09-02-01	21	AS BUILT PER MARK 98-09-02-01
22	AS BUILT PER MARK 98-09-02-01	22	AS BUILT PER MARK 98-09-02-01
23	AS BUILT PER MARK 98-09-02-01	23	AS BUILT PER MARK 98-09-02-01
24	AS BUILT PER MARK 98-09-02-01	24	AS BUILT PER MARK 98-09-02-01
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26	AS BUILT PER MARK 98-09-02-01	26	AS BUILT PER MARK 98-09-02-01
27	AS BUILT PER MARK 98-09-02-01	27	AS BUILT PER MARK 98-09-02-01
28	AS BUILT PER MARK 98-09-02-01	28	AS BUILT PER MARK 98-09-02-01
29	AS BUILT PER MARK 98-09-02-01	29	AS BUILT PER MARK 98-09-02-01
30	AS BUILT PER MARK 98-09-02-01	30	AS BUILT PER MARK 98-09-02-01

**FLORIDA POWER CORPORATION**  
AT PETERSON PLANT  
CRYSTAL RIVER PLANT  
UNIT NO. 3 62,000 KW

REACTION BUILDINGS  
EXTERNAL BALL  
RETAINED & UNPAVED

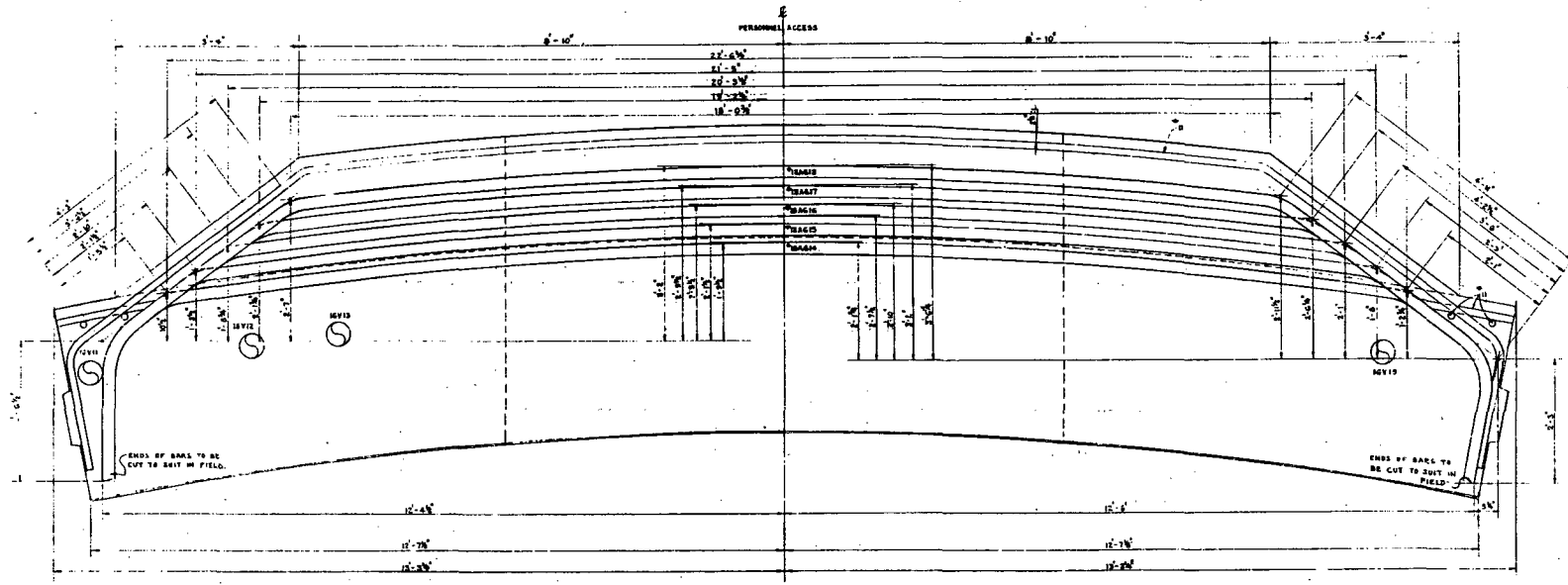
APPROVED  
FOR CONSTRUCTION

CONSTRUCTION  
LIMITED CONSTRUCTION AS NOTED  
PRELIMINARY NOT FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION ONLY  
DATE RELEASED FOR

4203 4-21-03B 10 SC-421-03B  
SCALE 1/8" = 1'-0" DATE 4/21/03





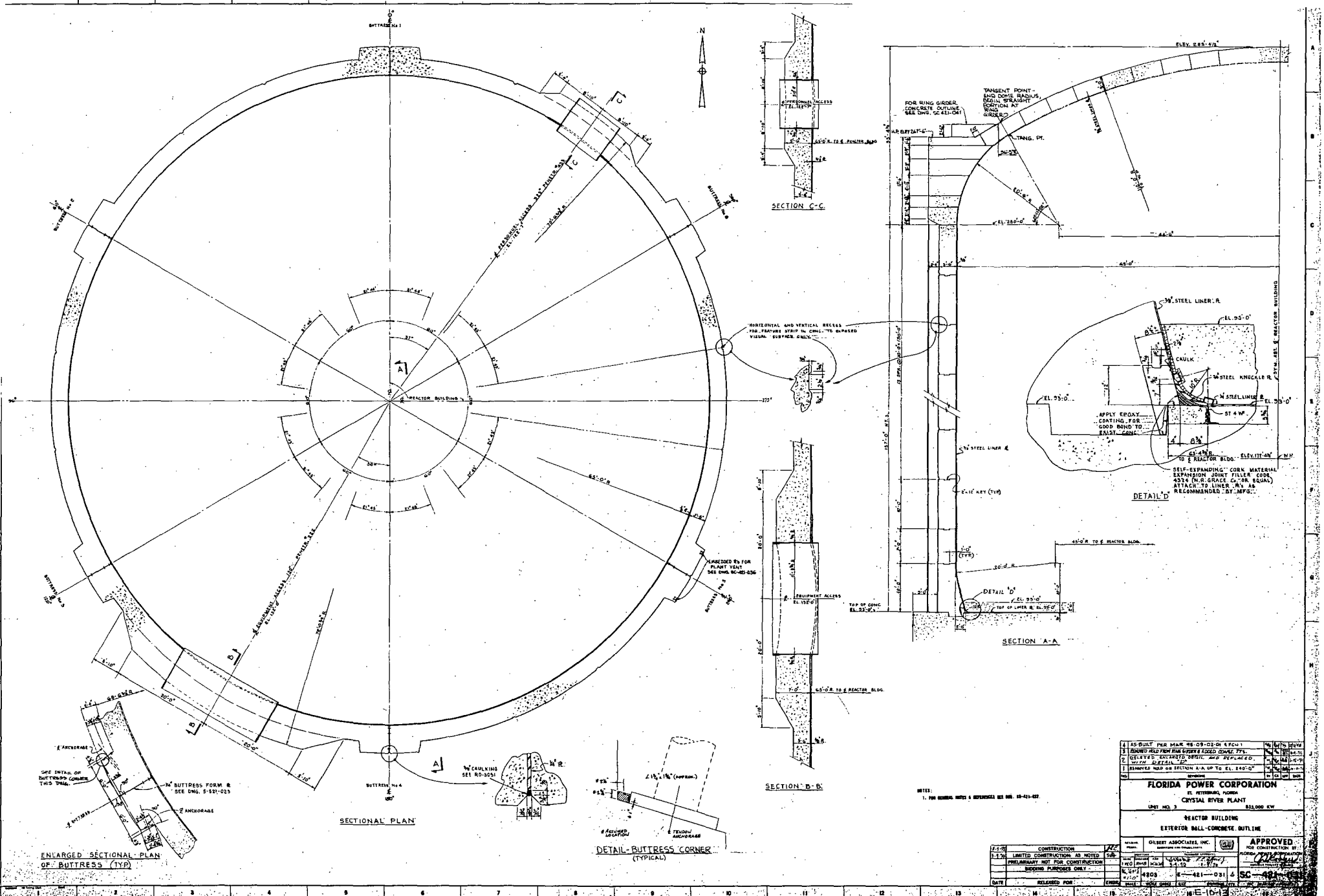
- NOTES:
1. FOR DETAILS & DIMENSIONS SEE DWG. SC-421-032.
  2. THIS DRAWING IS TO BE USED IN CONNECTION WITH DWG. SC-421-032, 033, 034.
  3. THIS DRAWING APPLIES FOR BARS NUMBER 12 LINES.
  4. ALL DIMENSIONS IN 16'-00\"/>

<b>FLORIDA POWER CORPORATION</b>	
CRYSTAL RIVER PLANT	
UNIT NO. 2	25,000 KW
REACTOR BUILDING	
EXTERIOR HALL - PERSONNEL ACCESS OPENING	
REINFORCEMENT BEARING TO SUIT FIELD CONDITIONS	
APPROVED	
SC-421-035	

DATE	DESCRIPTION	BY	CHECKED
11/15/57	ISSUED FOR CONSTRUCTION	J. H. [unclear]	[unclear]
11/15/57	REVISION	[unclear]	[unclear]





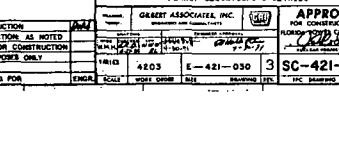
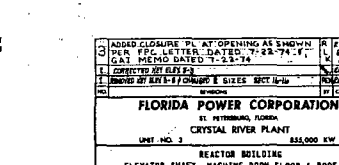
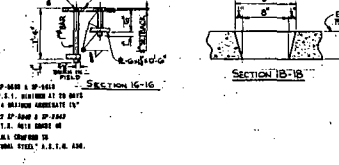
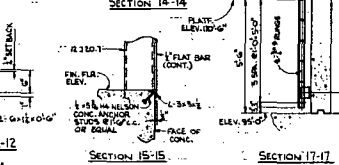
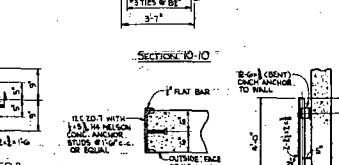
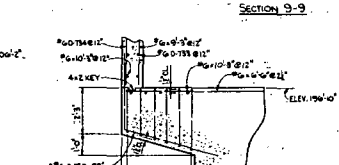
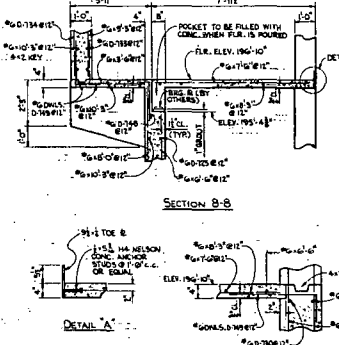
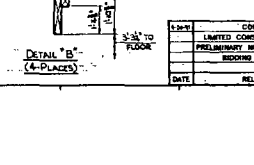
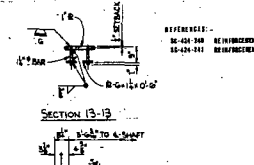
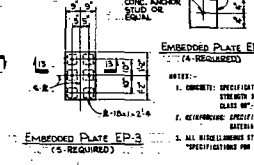
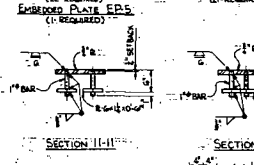
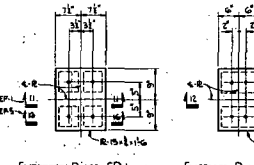
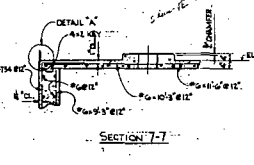
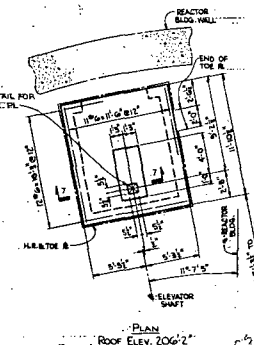
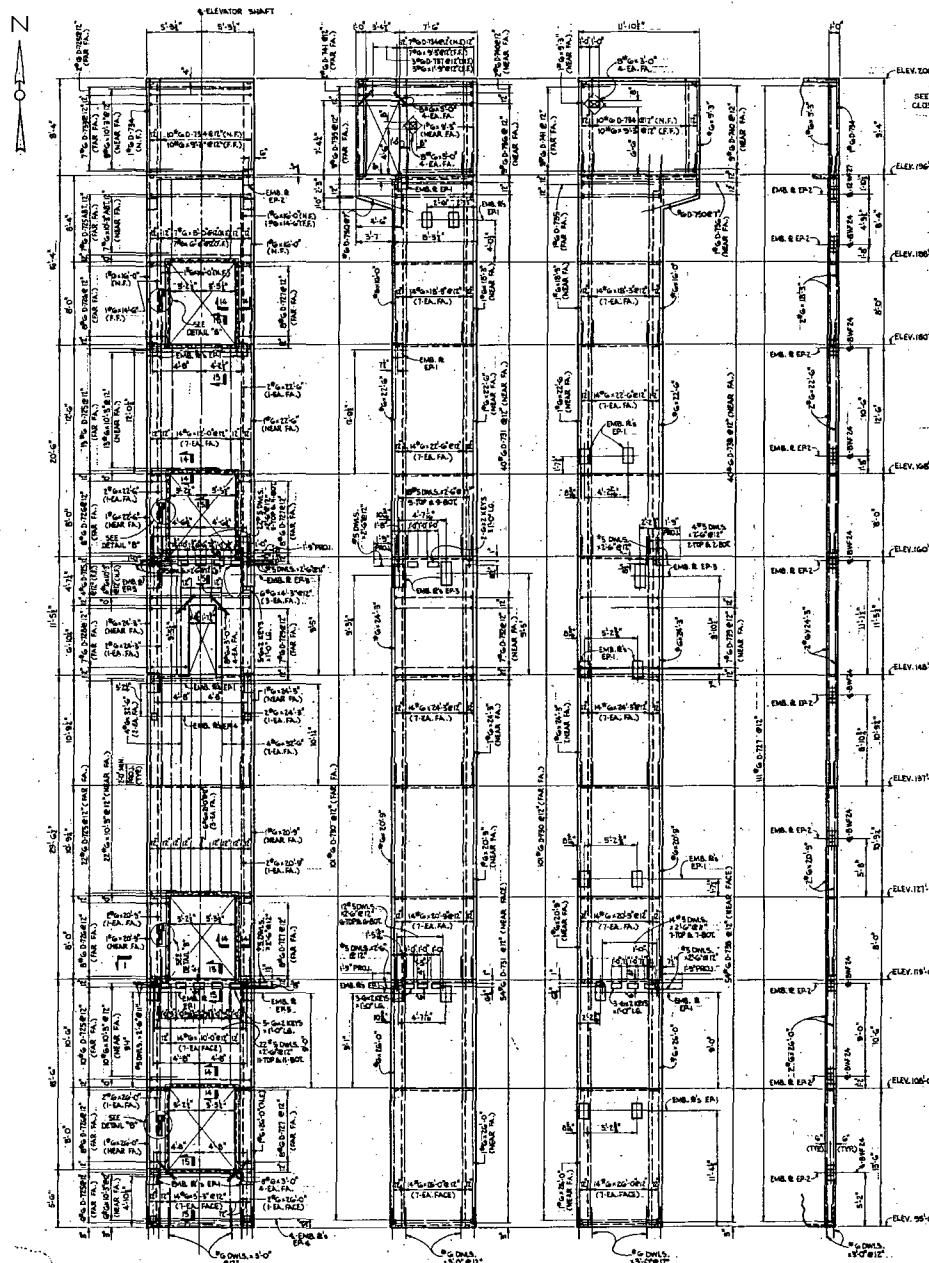
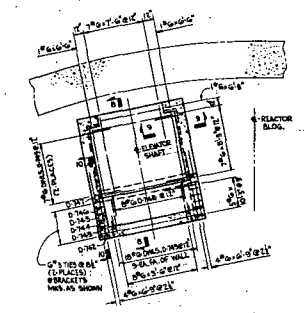
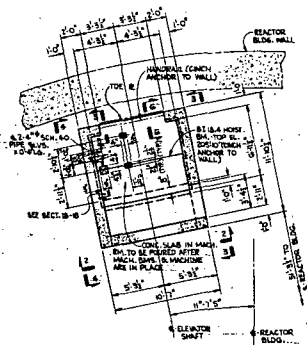
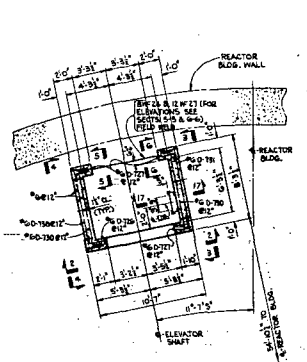


1	AS SHOWN PER PLAN NO. 09-02-DK 470-1	NO	NO	NO
2	SHOWN PER PLAN NO. 09-02-DK 470-1	NO	NO	NO
3	AS SHOWN PER PLAN NO. 09-02-DK 470-1	NO	NO	NO
4	AS SHOWN PER PLAN NO. 09-02-DK 470-1	NO	NO	NO

**FLORIDA POWER CORPORATION**  
 CRISTAL RIVER PLANT  
 UNIT NO. 3  
 REACTOR BUILDING  
 EXTERIOR WALL-CONCRETE OUTLINE

DATE	RELEASED FOR	BY	FOR CONSTRUCTION BY
11/17/68	CONSTRUCTION	2/2	APPROVED
11/17/68	LIMITED CONSTRUCTION AS NOTED	2/2	FOR CONSTRUCTION BY
11/17/68	PRELIMINARY NOT FOR CONSTRUCTION	2/2	FOR CONSTRUCTION BY
11/17/68	REVISION PURPOSES ONLY	2/2	FOR CONSTRUCTION BY

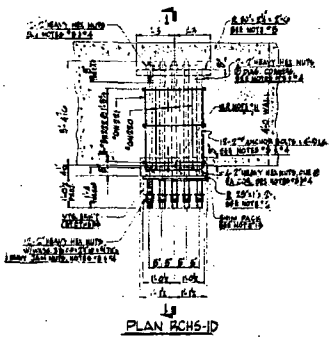
NOTES:  
 1. FOR GENERAL NOTES & REFERENCES SEE PLAN NO. 09-02-DK 470-1



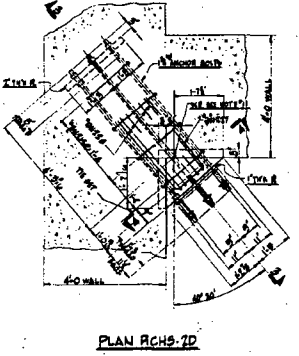
- EMBEDDED PLATE EP-1 (1-REQUIRED)  
EMBEDDED PLATE EP-2 (2-REQUIRED)  
EMBEDDED PLATE EP-3 (5-REQUIRED)  
EMBEDDED PLATE EP-4 (4-REQUIRED)
1. CONCRETE: SPECIFICATIONS OF AREA IN WHICH SETTING IS MADE P.E.I. REINFORCED AT 18 IN. CLASS "B" - 3000 PSI MINIMUM STRENGTH AT 28 DAYS.
  2. REINFORCING: SPECIFICATIONS OF AREA IN WHICH SETTING IS MADE P.E.I. REINFORCED AT 18 IN. CLASS "B" - 3000 PSI MINIMUM STRENGTH AT 28 DAYS.
  3. ALL REINFORCING STEEL SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL STEEL", A.S.T.M. A36.

FLORIDA POWER CORPORATION  
CRYSTAL RIVER PLANT  
REACTOR BUILDING  
ELEVATOR SHAFT, MACHINE ROOM FLOOR & ROOF PLANS, ELEVATIONS & DETAILS

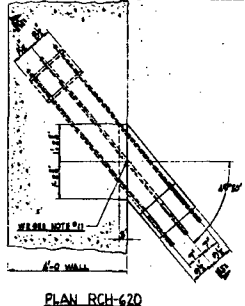
APPROVED FOR CONSTRUCTION BY  
ORBERT ASSOCIATES, INC.  
11000 W. UNIVERSITY BLVD., SUITE 100  
FORT LAUDERDALE, FLORIDA 33404  
DATE: 4/20/74  
SCALE: AS SHOWN  
SHEET NO. 3 OF 3  
PROJECT NO. 4203  
E-421-030  
SC-421-030



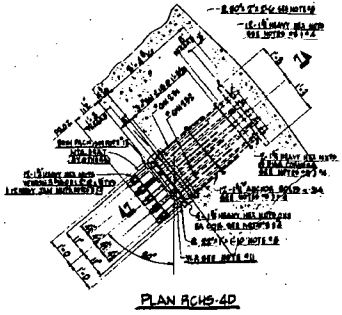
PLAN RCHS-1D



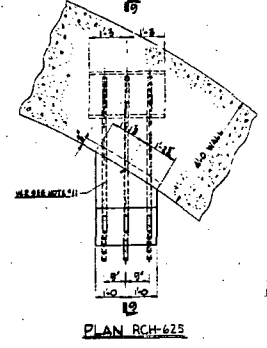
PLAN RCHS-7D



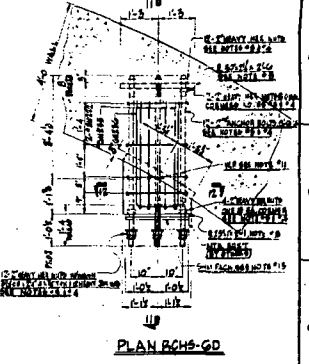
PLAN RCHS-62D



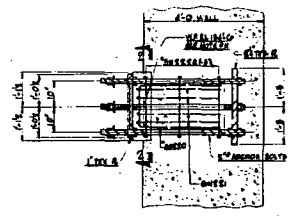
PLAN RCHS-4D



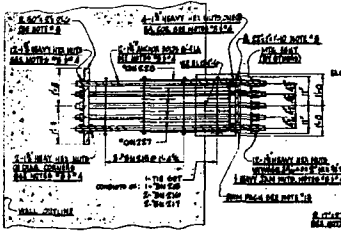
PLAN RCHS-62S



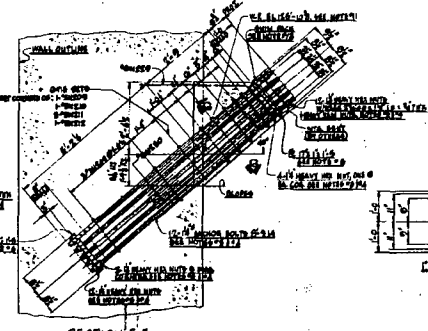
PLAN RCHS-6D



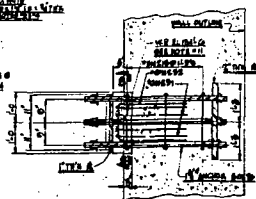
SECTION 1-1



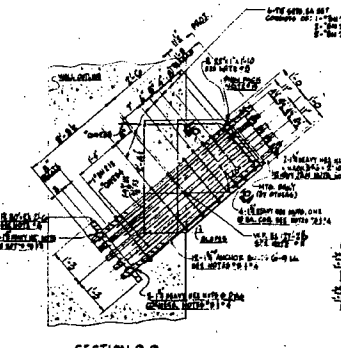
SECTION 5-2



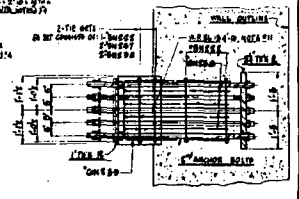
SECTION 5-5



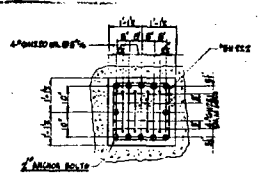
SECTION 7-7



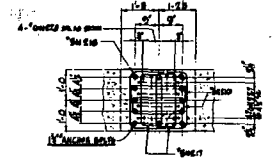
SECTION 9-9



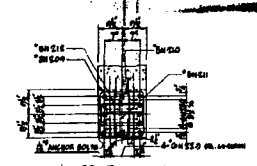
SECTION 11-11



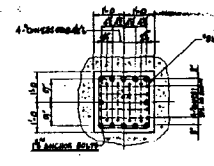
SECTION 2-2



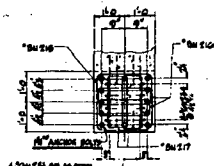
SECTION 4-4



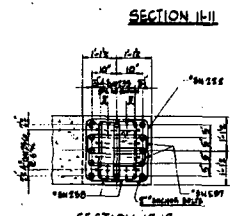
SECTION 6-6



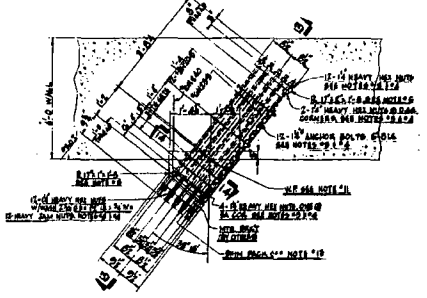
SECTION 8-8



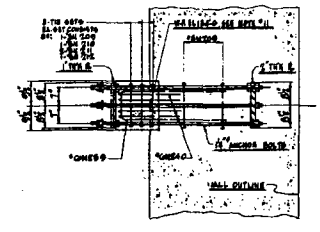
SECTION 10-10



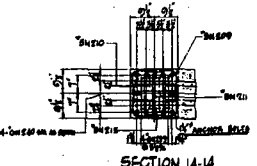
SECTION 12-12



PLAN RCHS-8D



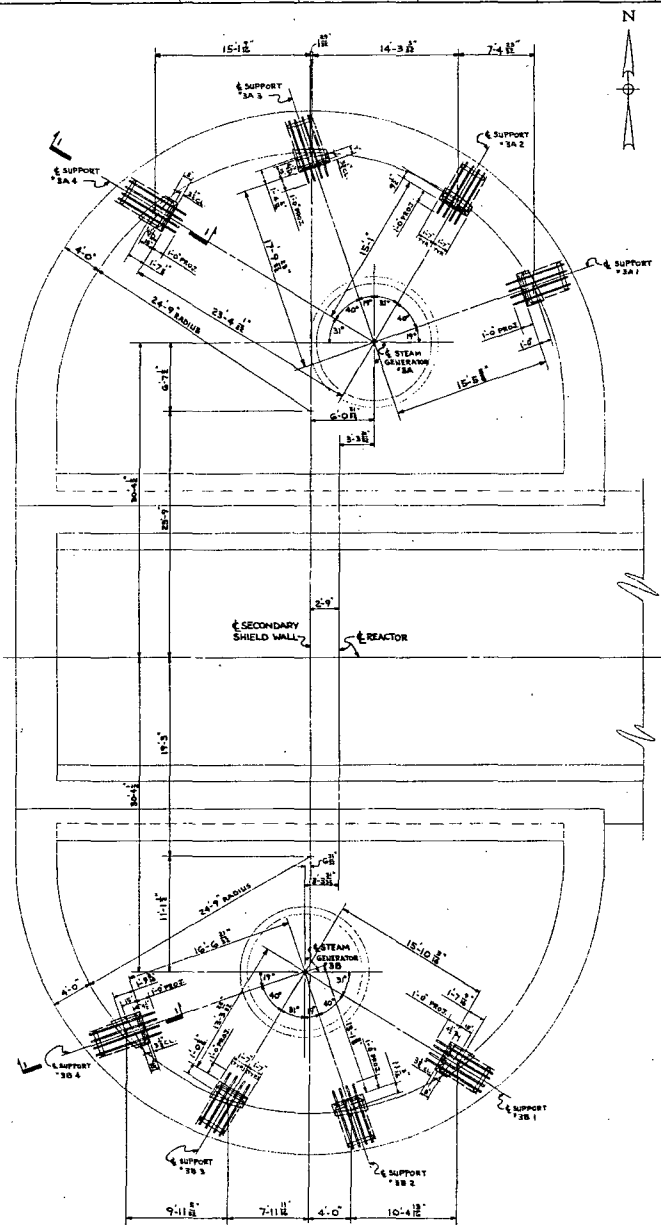
SECTION 13-13



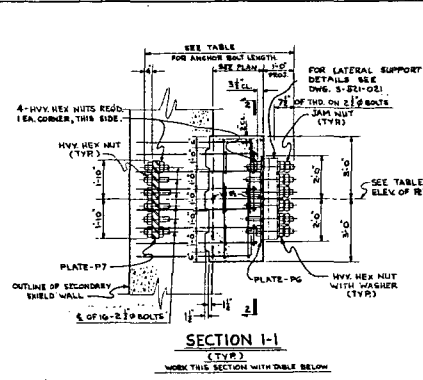
SECTION 14-14

SEE NOTES AND REFERENCES FOR DRAWING SC-421-028.

AS BUILT FOR DRAWING SC-421-028 RELEASED FOR CONSTRUCTION		DATE: 10/10/68 BY: [Signature]
<b>FLORIDA POWER CORPORATION</b> AT WEAVER, MOORE CRYSTAL RIVER PLANT UNIT NO. 2      823,000 KW REACTOR BUILDING INTERIOR WALLS AREAS SLICES FOR REACTOR COOLING PUMP "D" HYDRAULIC SUPPRESSORS		
DESIGNED BY: GARRETT ASSOCIATES INC. DRAWN BY: [Signature]	CHECKED BY: [Signature]	APPROVED BY: [Signature]
SCALE: LIMITED CONSTRUCTION OR MODEL 2/11 PRELIMINARY NOT FOR CONSTRUCTION 4/11 RECORD PURPOSES ONLY	DATE: 4/20/68	PROJECT NO: SC-421-028



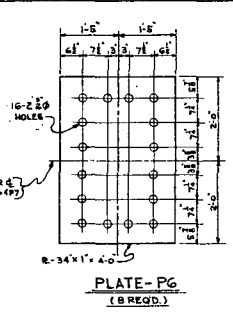
**PLAN**



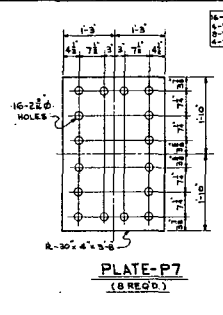
**SECTION 1-1 (TYR)**

WORK THIS SECTION WITH TABLE BELOW

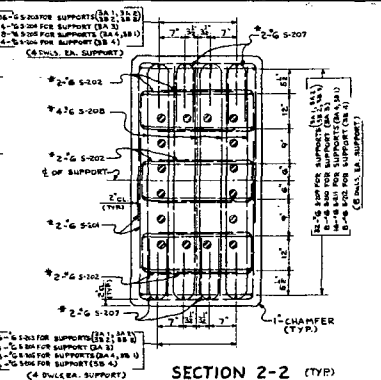
SUPPORT NO.	ELEVATION AT WALL	BOUL LENGTH
SA 1	150'-9 1/2"	5'-2"
SA 2	150'-10 1/2"	5'-2"
SA 3	150'-5 1/2"	5'-7"
SA 4	150'-5 1/2"	5'-10"
SB 1	150'-8 1/2"	5'-10"
SB 2	150'-1 1/2"	5'-2"
SB 3	150'-1 1/2"	5'-3"
SB 4	150'-7 1/2"	5'-0"



**PLATE-P6 (8 REQ.)**

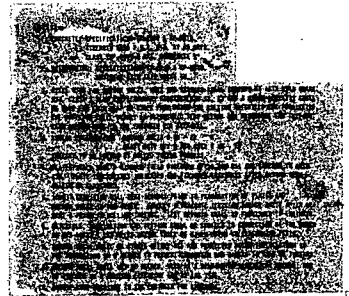


**PLATE-P7 (8 REQ.)**



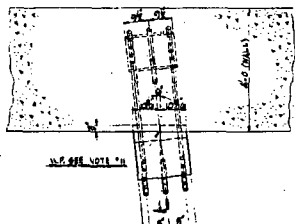
**SECTION 2-2 (TYR)**

QUANTITIES INDICATED THIS WAY ARE FOR ONE LAYER OF REINFORCING. FOR NUMBER OF LAYERS AT EACH SUPPORT SEE PLAN.

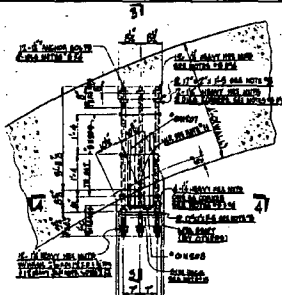


REFERENCE:  
 E-421-001 STEAM GENERATOR LATERAL SUPPORTS  
 E-421-001-002 REINFORCEMENT LIST

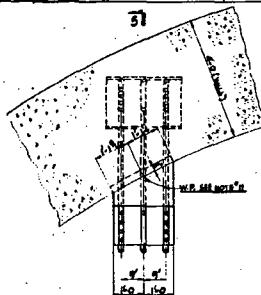
1 CHANGED PERM. LIST NUMBER (AS INDICATED) 2 CHANGED SIZE OF BENT (AS INDICATED)		<input type="checkbox"/> P. 10 <input type="checkbox"/> P. 11 <input type="checkbox"/> P. 12
<b>FLORIDA POWER CORPORATION</b> ST. PETERSBURG, FLORIDA <b>CRITICAL ROVER PLANT</b> UNIT NO. 2 855,000 KW REACTOR BUILDING INTERIOR WALLS STEAM GENERATOR LATERAL SUPPORT ARCHER BLOCKS		
DESIGNED BY: GIBNEY ASSOCIATES, INC. DRAWN BY: [Signature]		<input type="checkbox"/> APPROVED FOR CONSTRUCTION BY: [Signature]
CHECKED BY: [Signature] LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION WORKING DRAWINGS ONLY	DATE: [Signature] RELEASED FOR: [Signature]	SCALE: 1/8" = 1'-0" SHEET: 4203 SET: E-421-029 DRAWING NO.: SC-421-029



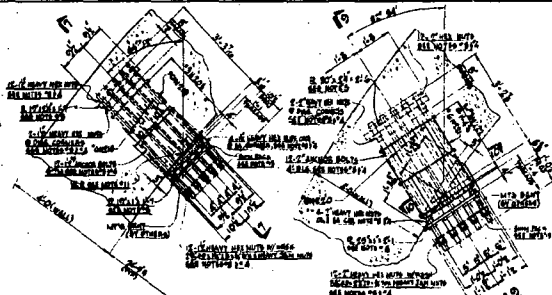
PLAN RCH5-1C



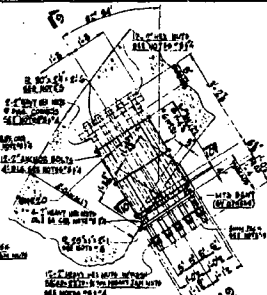
PLAN RCH5-3C



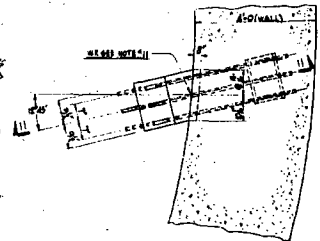
PLAN RCH5-6B



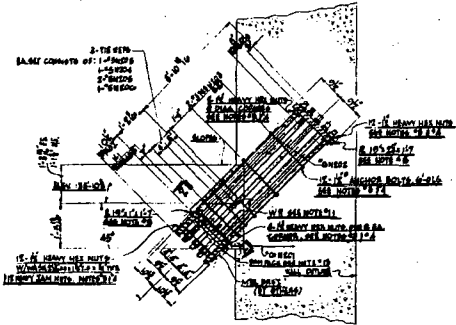
PLAN RCH5-6C



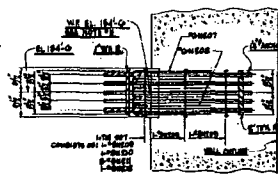
PLAN RCH5-6C



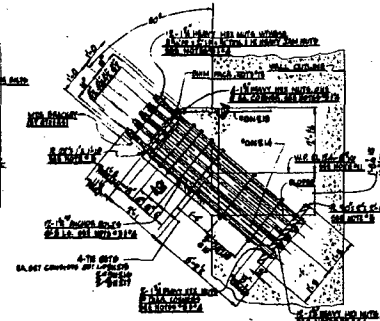
PLAN RCH5-7C



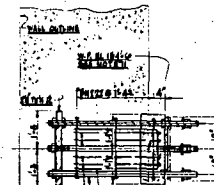
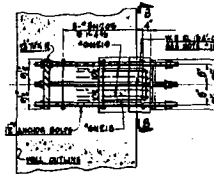
SECTION 1-1



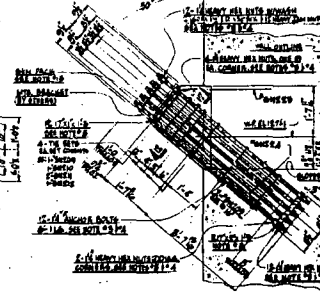
SECTION 3-3



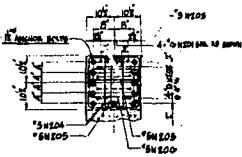
SECTION 3-7



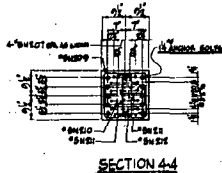
SECTION 9-9



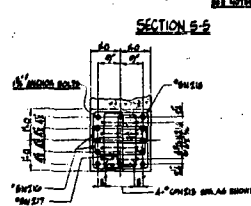
SECTION 11-11



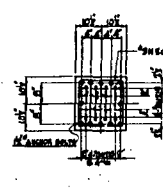
SECTION 2-2



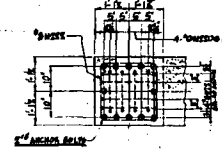
SECTION 4-4



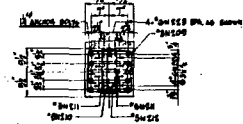
SECTION 6-6



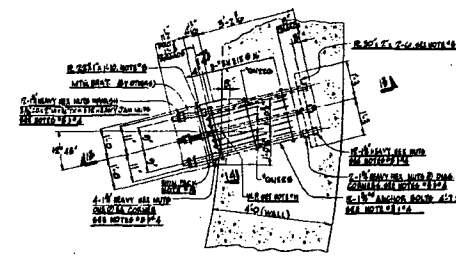
SECTION 8-8



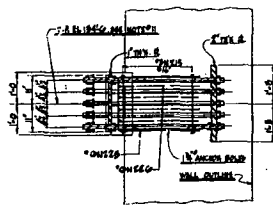
SECTION 10-10



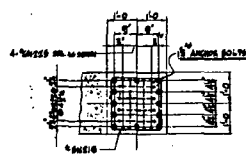
SECTION 12-12



PLAN RCH5-6B



SECTION 15-15



SECTION 14-14

SEE SHEET 400-2000 FOR DIMENSIONS 20-41-01-01.

DATE	REVISION	BY	CHKD

FLORIDA POWER CORPORATION  
 65 INTERNATIONAL BLVD  
 CRYSTAL RIVER PLANT  
 UNIT NO. 1  
 REACTOR BUILDING INTERIOR WALLS  
 REACTOR BLOCKS FOR REACTOR COOLING PUMP "C"  
 HYDRAULIC COMPRESSORS

GILBERT ASSOCIATES, INC.  
 ENGINEERS AND ARCHITECTS  
 4003 E. 41st Street  
 Jacksonville, Florida 32210  
 APPROVED FOR CONSTRUCTION BY

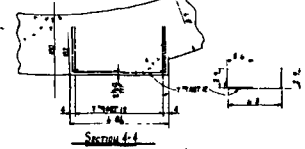
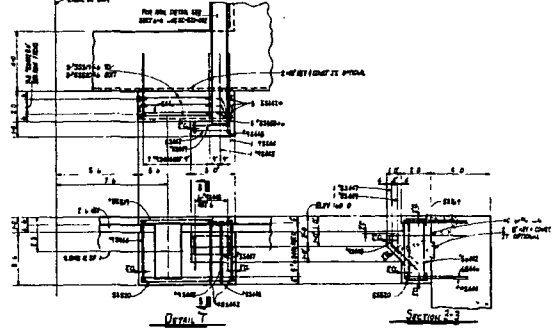
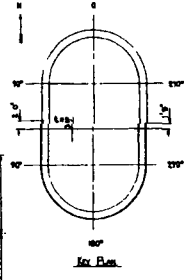
DATE	RELEASED FOR	BY	CHKD	DATE	BY	CHKD

SC-421-027

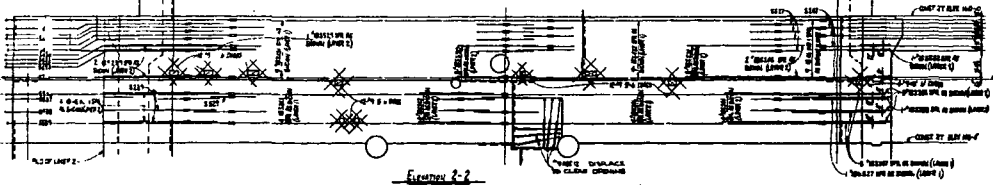


NOTE: SEE SECTIONAL VIEW AND SHEET 202 FOR PLAN OF SOUTH FACE SOUTH HALF

SECTION FOR 'A' EAST HALF



NOTE FOR LOCATION OF DETAILS  
 SEE SHEET SC-421-024  
 SEE SHEET SC-421-025



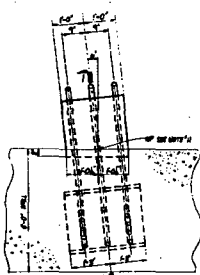
CHANGE IN PROGRESS  
 DUE TO REVISIONS  
 4-27-64  
 FOR  
 FOR  
 FOR

10	REVISED FOR
9	REVISED FOR
8	REVISED FOR
7	REVISED FOR
6	REVISED FOR
5	REVISED FOR
4	REVISED FOR
3	REVISED FOR
2	REVISED FOR
1	REVISED FOR

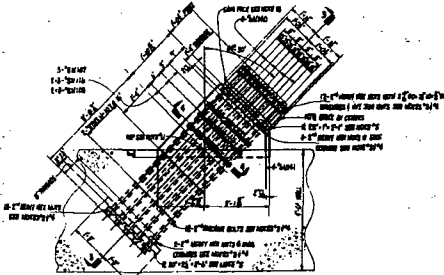
**FLORIDA POWER CORPORATION**  
 OF MIAMI, FLORIDA  
**CRYSTAL RIVER PLANT**  
 DIST. NO. 2 211,000 KW  
 REACTOR BUILDING EXTERIOR WALLS  
 SECONDARY EXTERIOR WALLS  
 STRETCHOUT OF OUTSIDE FACE SOUTH HALF

DATE	REVISION	BY	APP'D
10-10-63	1	...	...
10-10-63	2	...	...
10-10-63	3	...	...
10-10-63	4	...	...
10-10-63	5	...	...
10-10-63	6	...	...
10-10-63	7	...	...
10-10-63	8	...	...
10-10-63	9	...	...
10-10-63	10	...	...

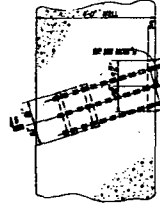
**APPROVED**  
 FOR CONSTRUCTION  
 10-10-63  
 SC-421-024



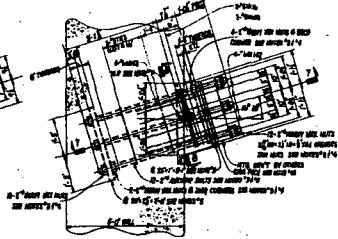
PLAN RCBS-2B



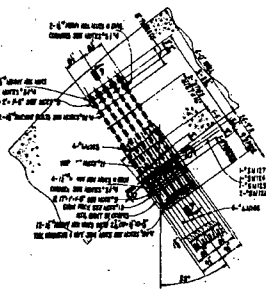
PLAN RCBS-3B



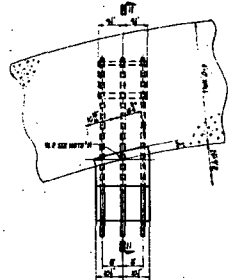
PLAN RCBS-4B



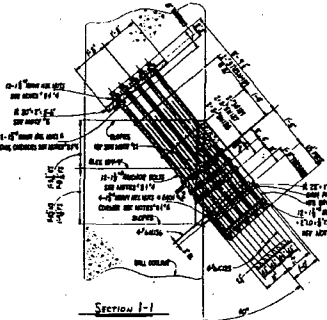
PLAN RCBS-6B



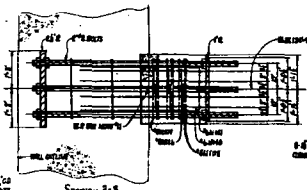
PLAN RCBS-8B



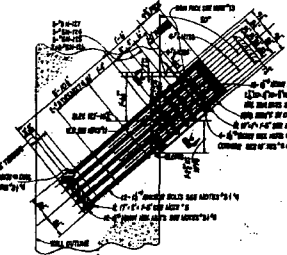
PLAN RCBS-12B



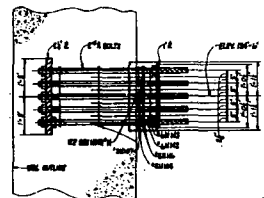
SECTION 1-1



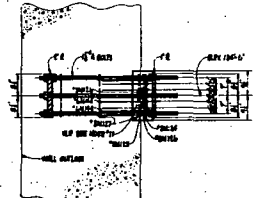
SECTION 3-3



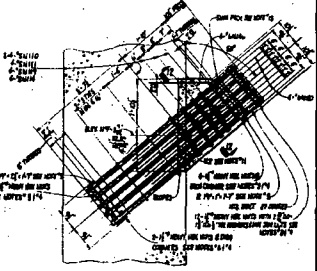
SECTION 5-5



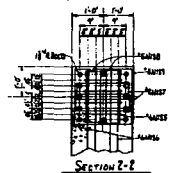
SECTION 7-7



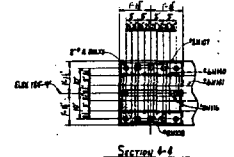
SECTION 9-9



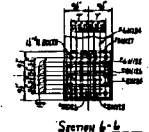
SECTION 11-11



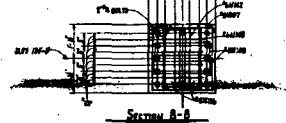
SECTION 2-2



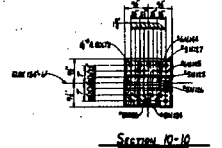
SECTION 4-4



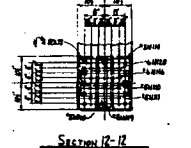
SECTION 6-6



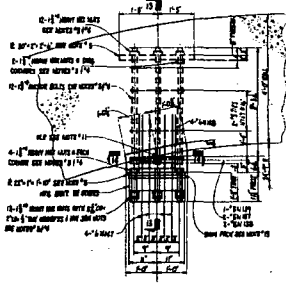
SECTION 8-8



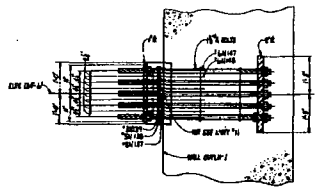
SECTION 10-10



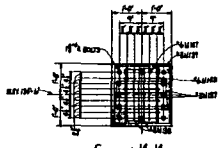
SECTION 12-12



SECTION 8-8



SECTION 10-10



SECTION 14-14

SEE NOTES AND REFERENCES FOR DIMENSIONS AND DETAILS.

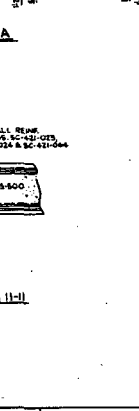
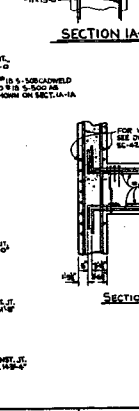
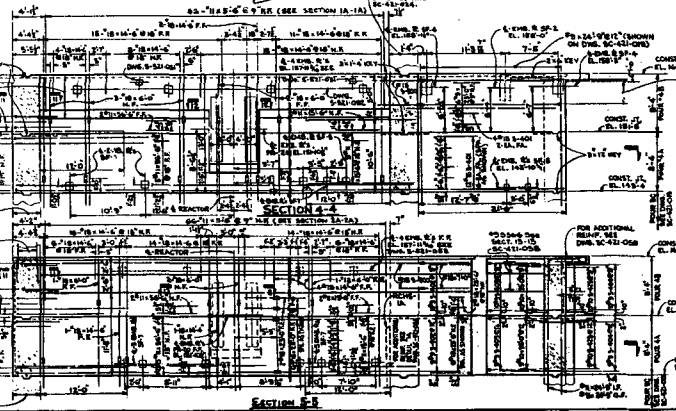
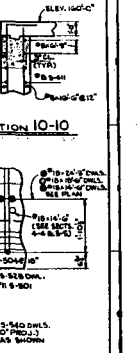
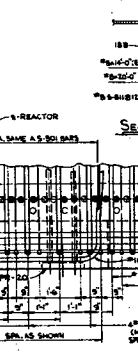
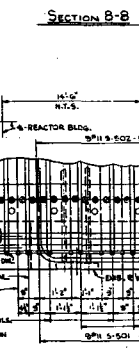
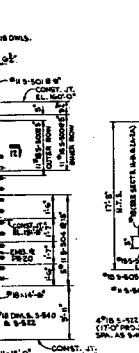
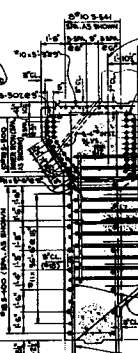
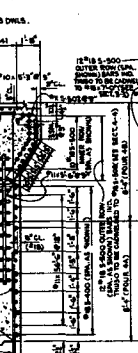
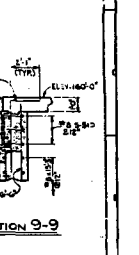
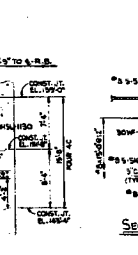
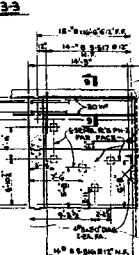
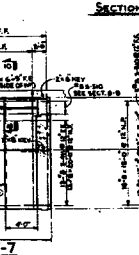
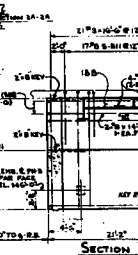
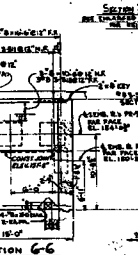
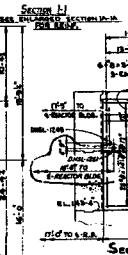
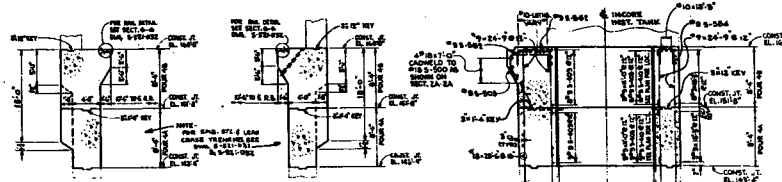
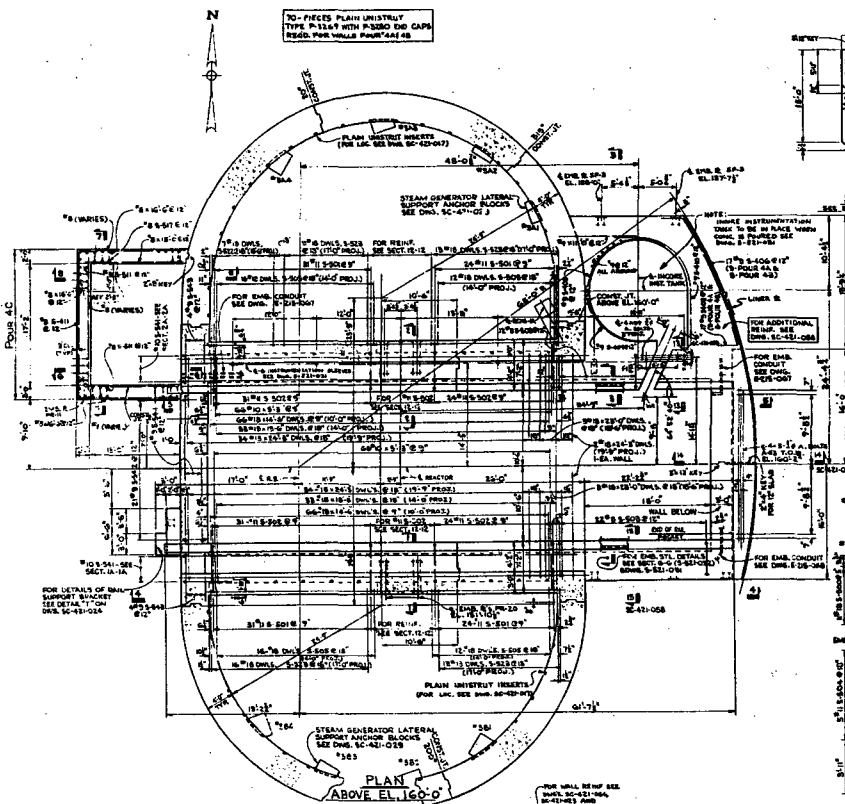
1. ALL DIMENSIONS PER PLAN UNLESS OTHERWISE NOTED. 2. REVISIONS FOR CONSTRUCTION.	
<b>FLORIDA POWER CORPORATION</b> FT. WORTH, TEXAS <b>CRYSTAL RIVER PLANT</b> UNIT NO. 3 REACTOR BUILDING EXTERIOR WALLS ANCHOR BLOCKS FOR REACTOR COOLING PUMP "B" HYDRAULIC SUPPRESSORS	
DRAWN BY: HARRY ASSOCIATES, INC. CHECKED BY: HARRY ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY: 
SCALE: AS SHOWN SHEET NO.: 4203 DATE: 11-1-68	PROJECT NO.: 4203 DRAWING NO.: 4203-026 SHEET NO.: 2 <b>SC-421-026</b>

CONSTRUCTION AS NOTED LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION DESIGN PURPOSES ONLY	DATE: 11-1-68 RELEASED FOR: 11-1-68 REVISIONS: 1 SHEET NO.: 2 TOTAL SHEETS: 2
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70-PIECES PLAIN UNISTRUT  
TYPE #1164 WITH P-3200 END CAPS  
FIELD FROM WALLS PER DET. 10

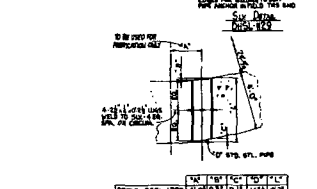
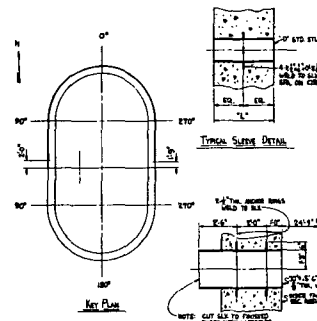
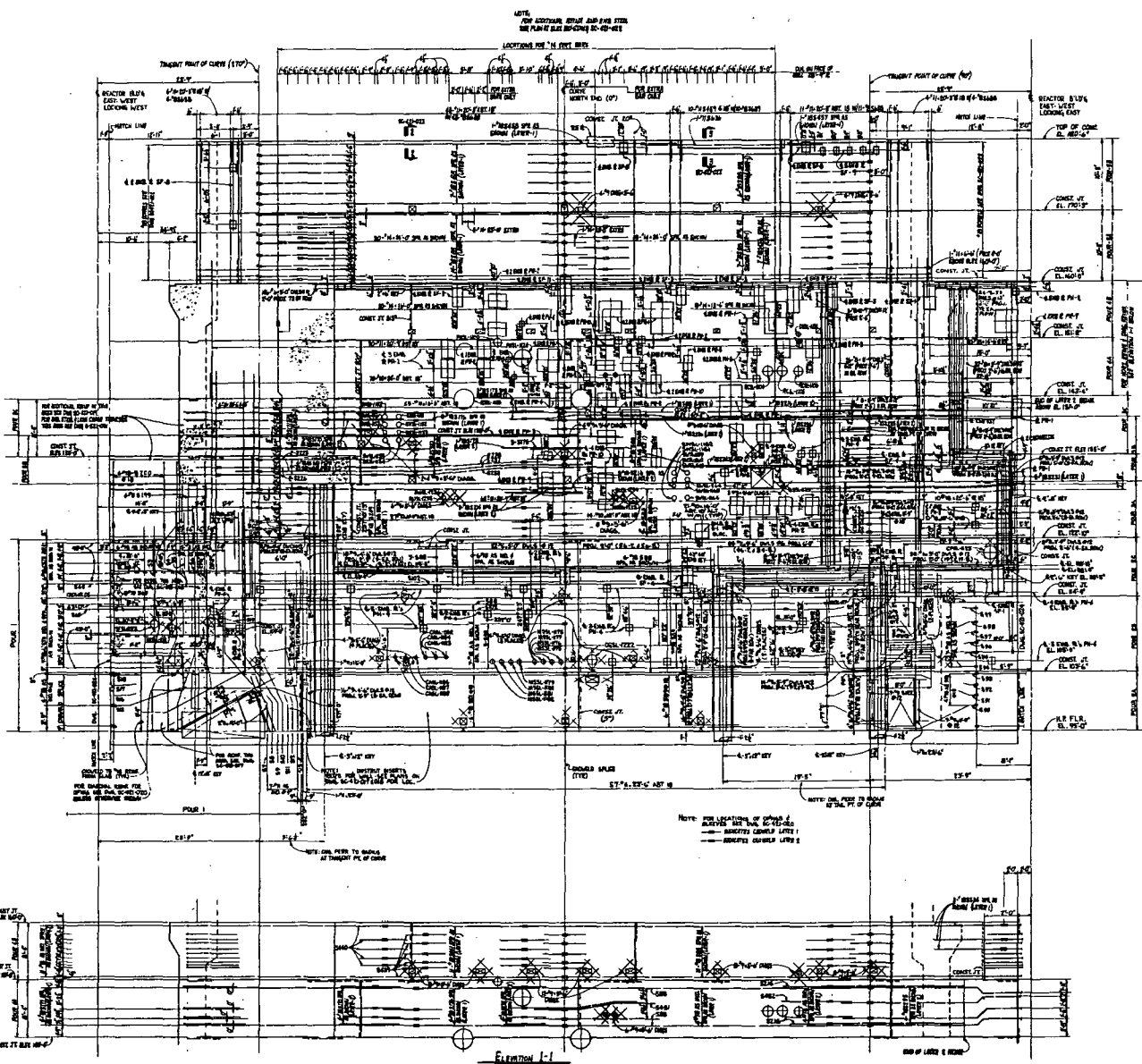


NOTES:  
1. NO BEAM WITH AN INCLINATION SHOWN ON DRG. SC-43-017.  
2. NO BEAM WITH AN INCLINATION SHOWN ON DRG. SC-43-018.

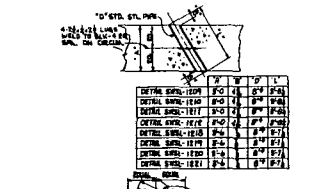
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3	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
4	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
5	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
6	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
7	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
8	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
9	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64
10	ADDED PER REV. 01/15/64 IN SECTION 10-10	11/15/64	11/15/64

**FLORIDA POWER CORPORATION**  
 67 PENNINGTON AVENUE  
 MIAMI, FLORIDA  
 UNIT NO. 2  
 CRYSTAL RIVER PLANT  
 REACTOR BUILDING INTERIOR WALLS  
 SECONDARY SHELF WALLS  
 PLAN AT 160'-0"

DESIGNED BY	DRISNEY ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY	DRISNEY ASSOCIATES, INC.
LIMITED CONSTRUCTION AS NOTED	UNLESS OTHERWISE NOTED	DATE	11-15-64
ISSUED FOR PERMITS ONLY	NO OTHER REVISIONS	PROJECT NO.	4833
DATE	11-15-64	DRG. NO.	6 SC-421-021



DETAIL CALLOUT	DESCRIPTION	SCALE	DATE
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DETAIL CALL-103	6\"/>		
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DETAIL CALL-119	6\"/>		
DETAIL CALL-120	6\"/>		



SLEEVE SCHEDULE				SLEEVE SCHEDULE			
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50	MSL-150	6\"/>					

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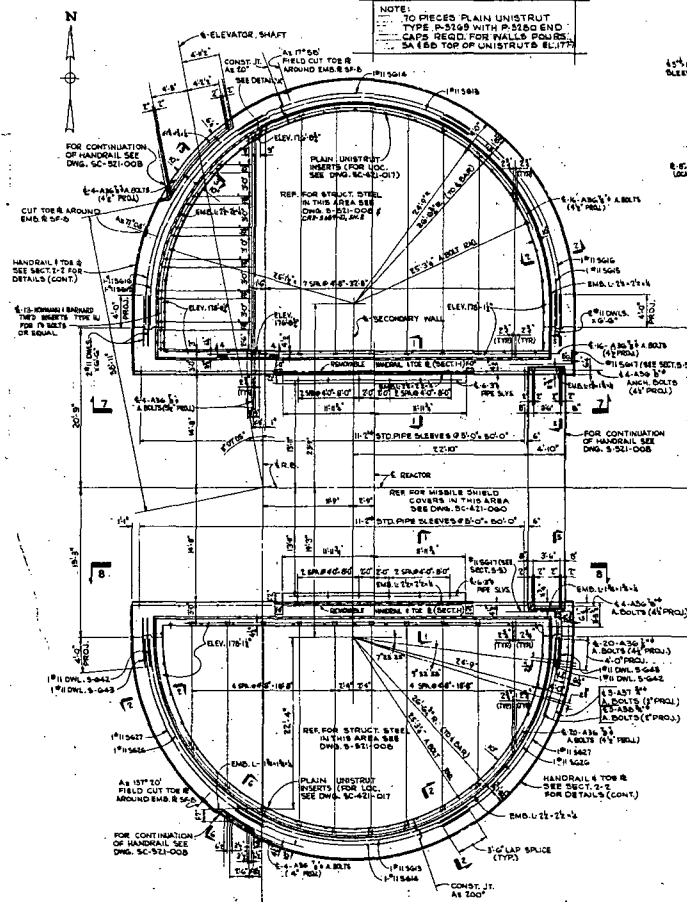
**FLORIDA POWER CORPORATION**  
 21, WESTWOOD AVENUE  
 MIAMI, FLORIDA 33133  
 UNIT NO. 3 55,000 KW  
 REACTOR BUILDING INTERIOR WALLS  
 STRETCH-OUT OF OUTSIDE FACE NORTH HALF

**ORNDY ASSOCIATES, INC.**  
 1000 N. W. 10TH AVENUE  
 MIAMI, FLORIDA 33136  
 FOR CONSTRUCTION BY

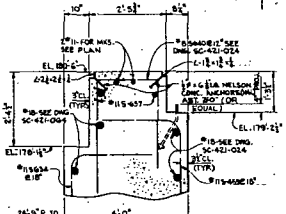
**APPROVED**  
 FOR CONSTRUCTION BY  
 FLORIDA POWER CORPORATION  
 DATE: 4/20/68

DATE: 4/20/68  
 RELEASED FOR: 4203  
 SCALE: 1/4" = 1'-0"  
 SHEET NO.: 11  
 OF: 11  
 PROJECT NO.: SC-421-023

NOTE:  
TO PILES PLAIN UNISTRUT  
TYPE 2-3158 WITH RIBBED END  
CAPS REQD. FOR WALLS, PILES,  
SA (80 TOP OF UNISTRUTS EL. 177)

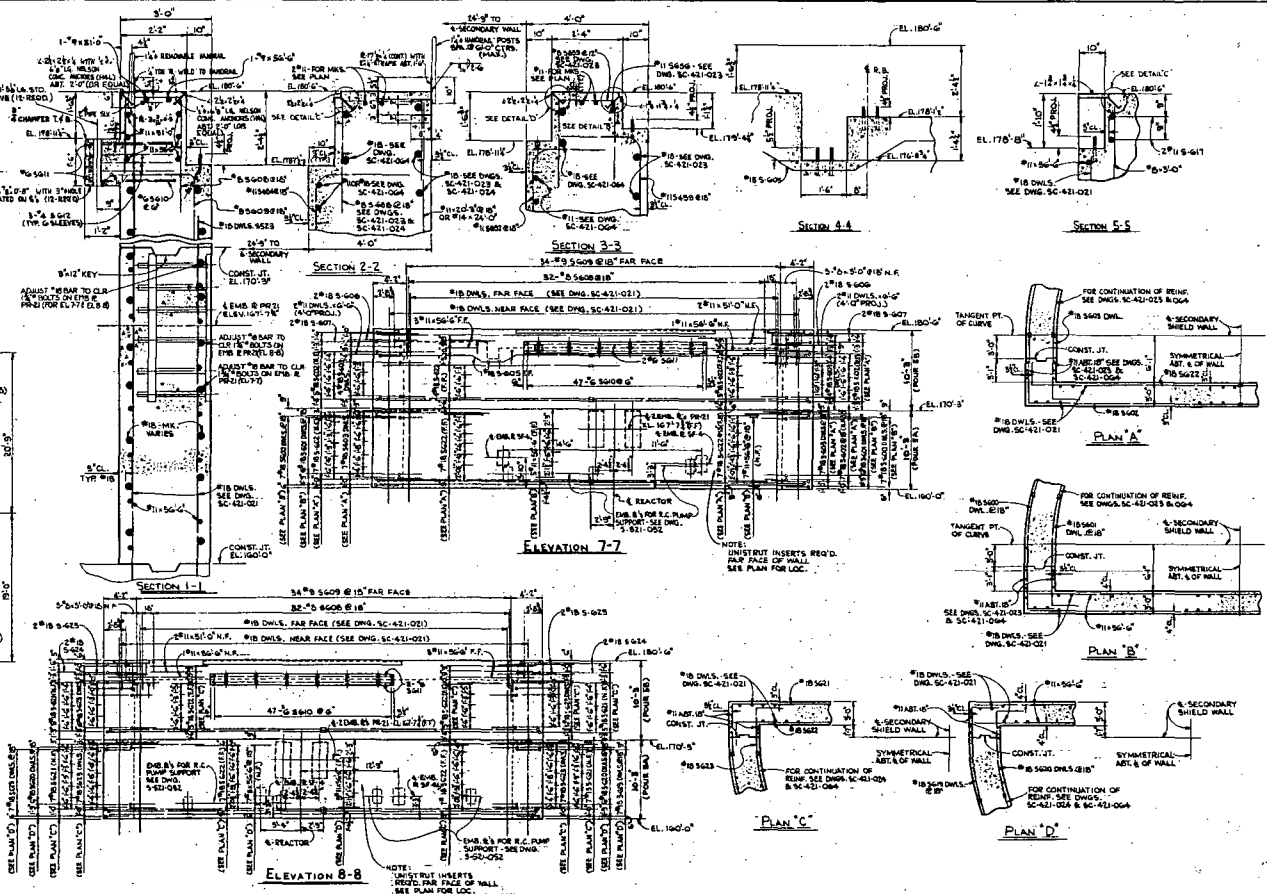


PLAN 180°-C



DETAIL A

DETAIL B (AS SHOWN)  
DETAIL C (SHALL)  
DETAIL D (SHALL)



ELEVATION 7-7

ELEVATION 8-8

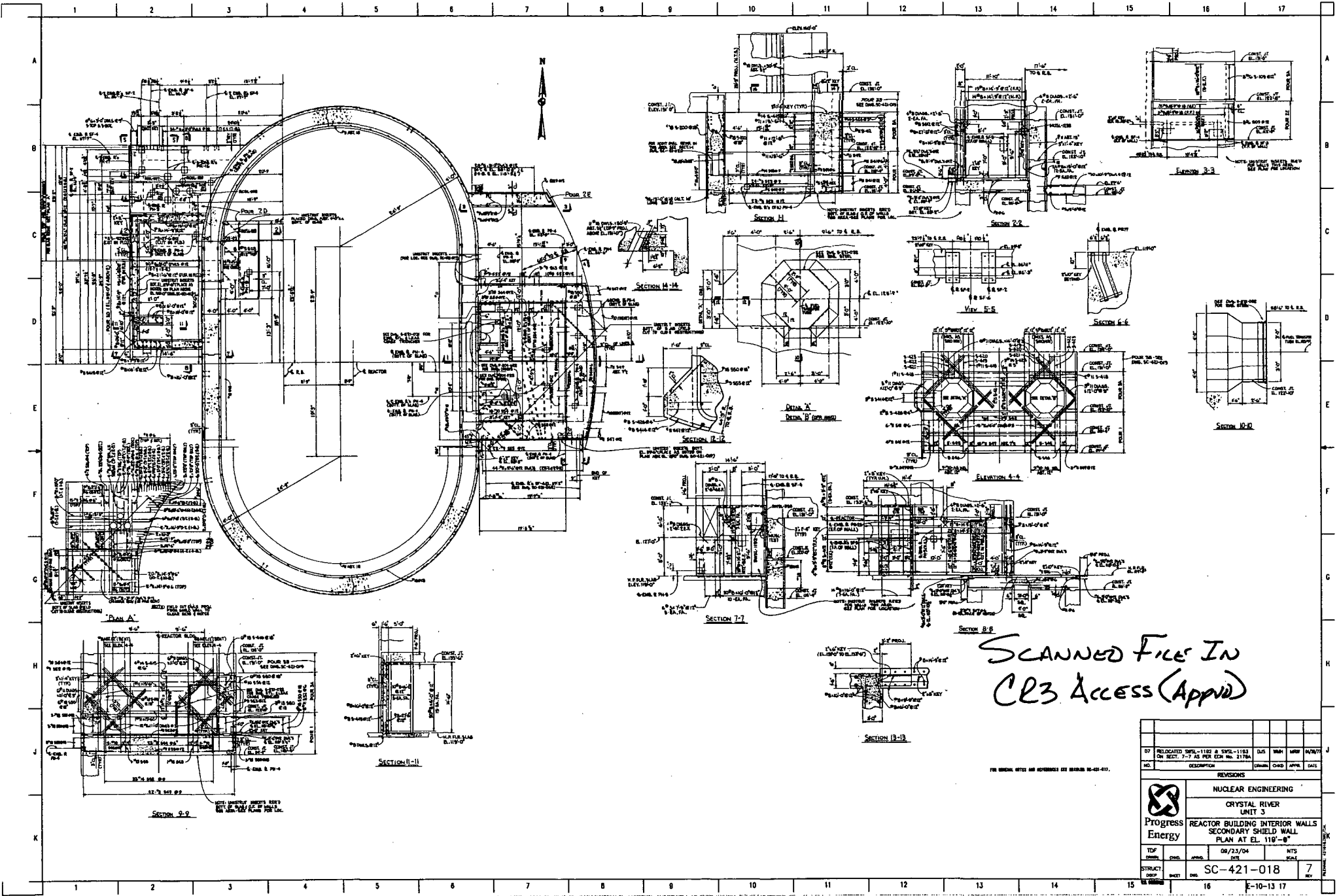
PLAN C

PLAN D

1	AS BUILT RECORD 11/18/80 DRAWING 78-013	OK	11/18/80
2	REVISED PLAN 10/17/80	OK	10/17/80
3	CHANGES MADE IN ACCORDANCE WITH BREVET'S	OK	10/17/80
4	CHANGED TO COME OUTSIDE TO FLAT ANCHORS	OK	10/17/80
5	(AS BUILT) AS BUILT RECORD DRAWING 78-013	OK	11/18/80
6	CHANGED MEMBER SIZE FROM 4.5" TO 4.5" X 6" AS PERMITTED	OK	11/18/80
7	INDICATED DIMS IN PINS ON ELEV 7-7 (1) AND SECTION 1-1	OK	11/18/80
8	ADJUSTED DIMS AS INDICATED ON SECTION 1-1	OK	11/18/80
9	ADDED DIMENSION ON PLAN AS INDICATED (HALL)	OK	11/18/80
10	AS INDICATED (6 PLACES)	OK	11/18/80
11	ADDED DIMENSION ON PLAN AS INDICATED (HALL)	OK	11/18/80
12	PREV. ANGLE SIZE ON PLAN (6 PLACES) AND ON SECT. 1-1, 2-2, 3-3, ELEV AND DET. A	OK	11/18/80

FLORIDA POWER CORPORATION  
ST. PETERSBURG, FLORIDA  
CRYSTAL RIVER PLANT  
UNIT NO. 3  
84,000 KW  
REINFORCING INTERIOR WALLS  
SECONDARY SHIELD WALL  
PLAN AT ELEVATION 180°-C

CONTRACTOR	GREENE ASSOCIATES, INC.	APPROVED FOR CONSTRUCTION BY	ALBERT J. COOPER
DESIGNER	ALBERT J. COOPER	DATE	10-10-80
DATE	10-10-80	PROJECT NO.	SC-421-022
DATE	10-10-80	SCALE	AS SHOWN




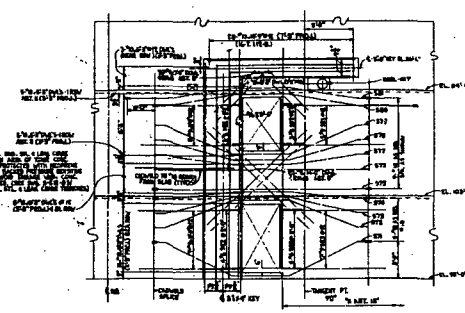
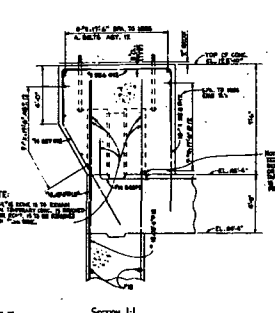
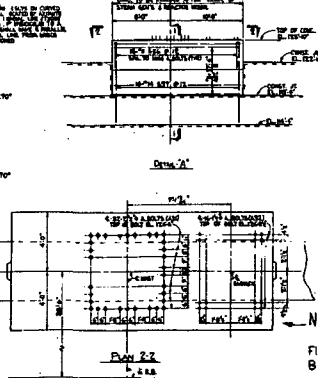
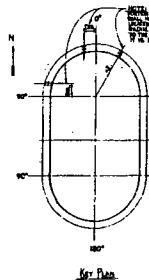
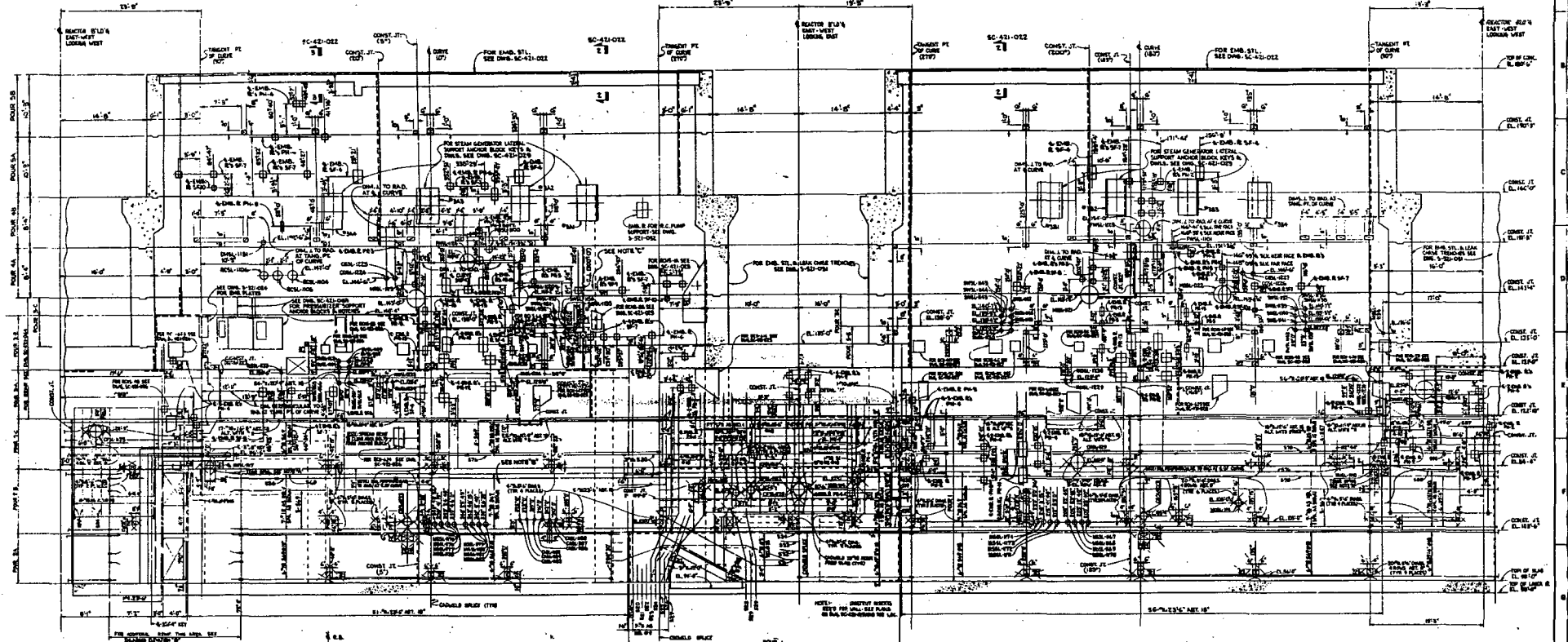
SCANNED FILE IN  
CR3 Access (Appv)

FOR GENERAL NOTES AND REFERENCES SEE DRAWING 10-421-017.

NO.		DESCRIPTION	ISSUED	BY	DATE
07		RELOCATED DWG. 1102 & SWEL-1103 ON SECT. 7-7 AS PER ECR No. 2176A	DUS	MMH	04/26/77

REVISIONS					
NO.	DESCRIPTION	ISSUED	BY	DATE	CHKD.
					
NUCLEAR ENGINEERING CRYSTAL RIVER UNIT 3 REACTOR BUILDING INTERIOR WALLS SECONDARY SHIELD WALL PLAN AT EL. 110'-0"					
TYP.	DESIGN	DATE	DATE	DATE	DATE
STRUCT.	NO.	SC-421-018		7	
					7
					E-10-13 17



NOTE:  
BEFORE PLACING BOLTS,  
FINAL LOCATIONS MUST BE VERIFIED  
BY BABCOCK & WILCOX CO. THRU F.P.C.

NOTE A:  
SELECT FROM PLATE A, TYPICAL  
SECTION FOR ALL BOLTS EXCEPT  
AS NOTED OTHERWISE.

NOTE B:  
THIS AREA OF THE SECONDARY SHIELD  
WALL MUST NOT BE POURED UNTIL  
ELECT. CANNISTERS FOR PENETRATION  
BOLTS THROUGH EXTERIOR WALL HAVE  
BEEN INSTALLED.

NOTE C:  
THIS AREA OF THE SECONDARY SHIELD  
WALL MUST NOT BE POURED UNTIL  
ELECT. CANNISTERS FOR PENETRATIONS  
FROM PAGES 20 & 21 THROUGH EXTERIOR  
WALL HAVE BEEN INSTALLED. UNLESS  
THE FIELD FORCES HAVE COMPROMISED  
SUFFICIENT CLEARANCE FOR  
CANNISTER INSTALLATION.

NO.	DESCRIPTION	DATE	BY	CHECKED
1	AS SHOWN ON DRAWING			
2	AS SHOWN PER CONTRACT			
3	AS SHOWN PER CONTRACT			
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FLORIDA POWER CORPORATION  
 11 INTERNATIONAL BOULEVARD  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 BLDG. NO. 11  
 REACTOR BUILDING EXTERIOR WALL  
 SECONDARY SHIELD WALL  
 STRUCTURE OF BRIDGE PAGE

NO.	DESCRIPTION	DATE	BY	CHECKED
1	AS SHOWN PER CONTRACT			
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APPROVED FOR CONTRACTOR BY  
 DATE: 11/11/57  
 11-81-020  
 SC-421-020





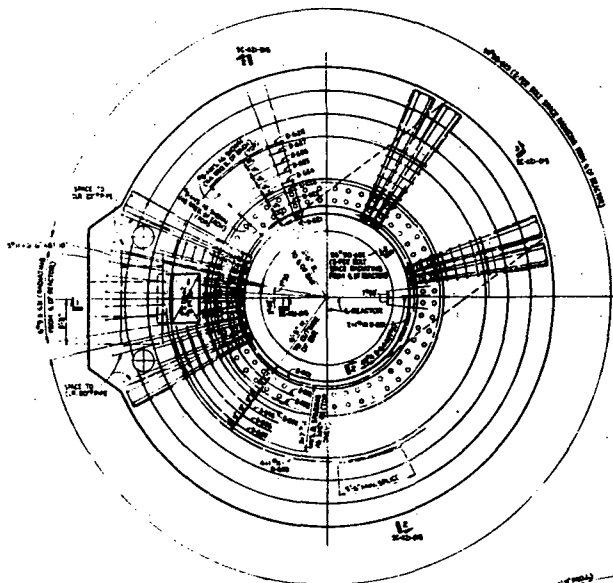
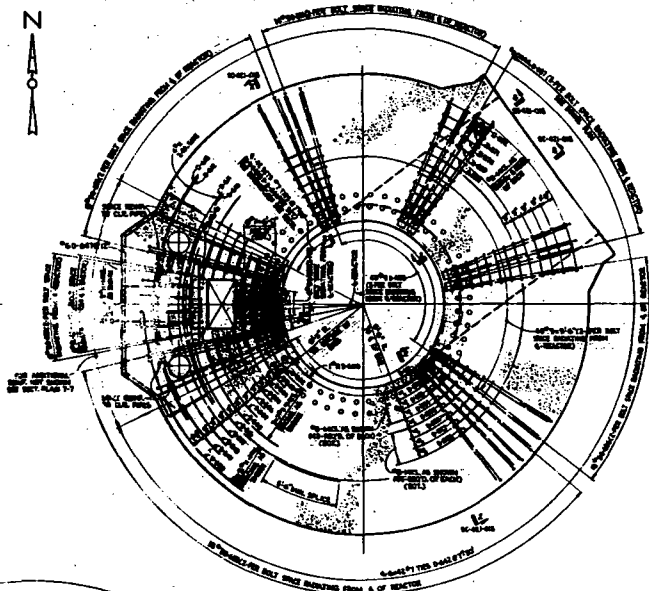
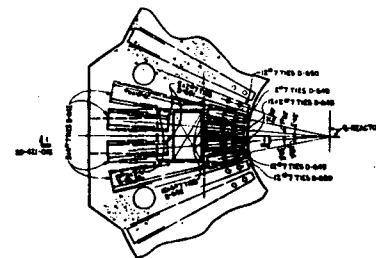


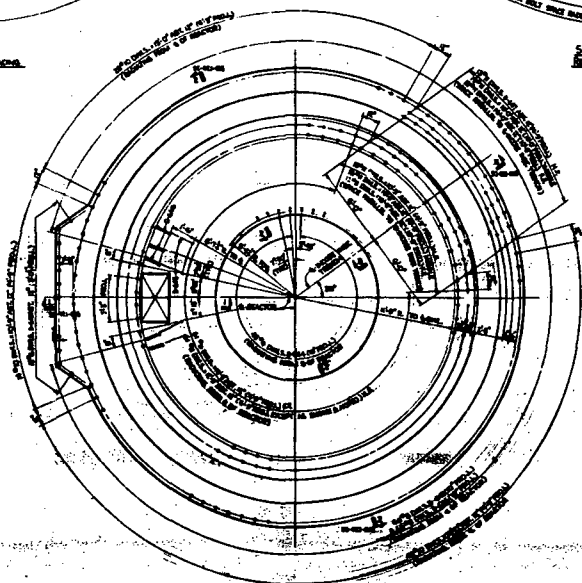
Fig. 2-1  
Reinforcement Plan



SECTION PLAN 6-6  
Reinforcement Plan



SECTION PLAN 7-7  
Reinforcement Plan



SECTION PLAN 8-8  
Reinforcement Plan

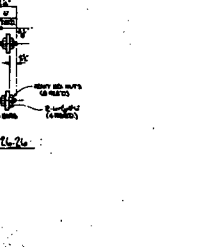
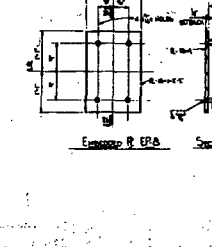
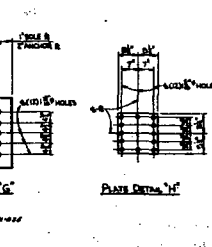
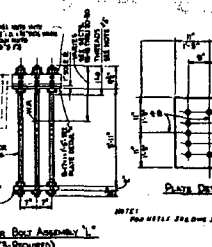
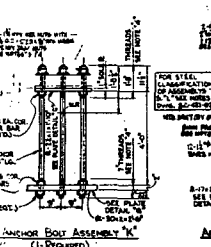
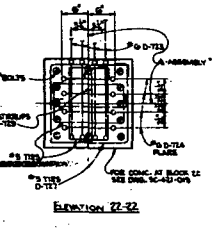
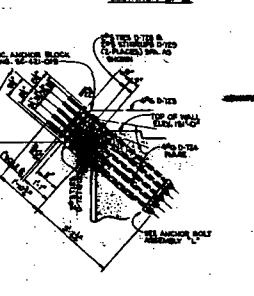
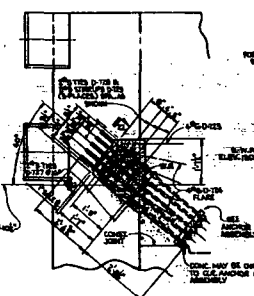
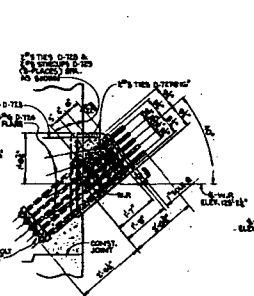
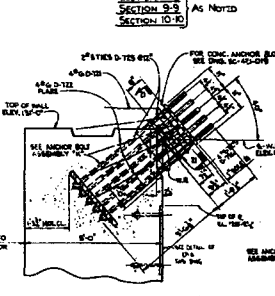
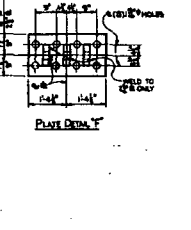
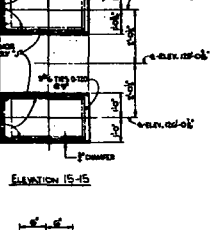
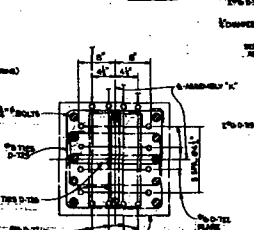
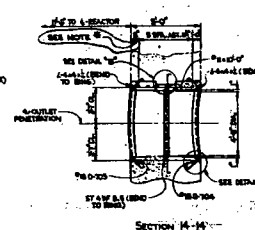
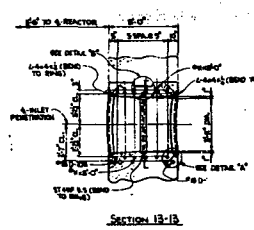
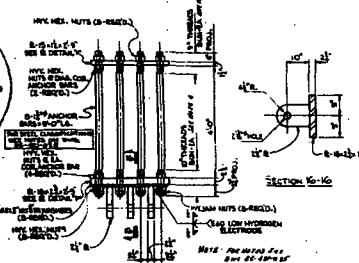
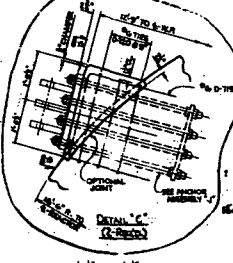
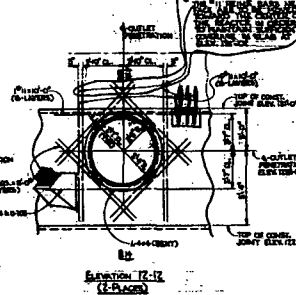
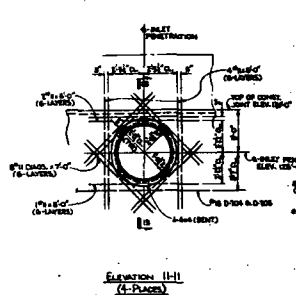
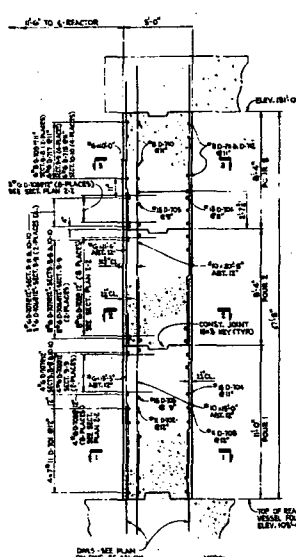
NOTES:  
1. SEE SHEET 2 FOR REINFORCEMENT BAR SIZES AND SPACING.  
2. SEE SHEET 3 FOR REINFORCEMENT BAR SIZES AND SPACING.

<b>FLORIDA POWER CORPORATION</b> ST. PETERSBURG, FLORIDA CRISTAL RIVER PLANT SHEET NO. 2		REACTOR BUILDING REACTOR VESSEL FOUNDATION REINFORCEMENT PLAN 2-1
DRAWN BY: [ ] CHECKED BY: [ ] DATE: 4-23-64	APPROVED BY: [ ] TITLE: [ ]	<b>APPROVED</b> FOR CONSTRUCTION BY OTHER THAN COMPANY
PROJECT NO. 4203	DRAWING NO. 421-016	<b>SC-421-016</b>





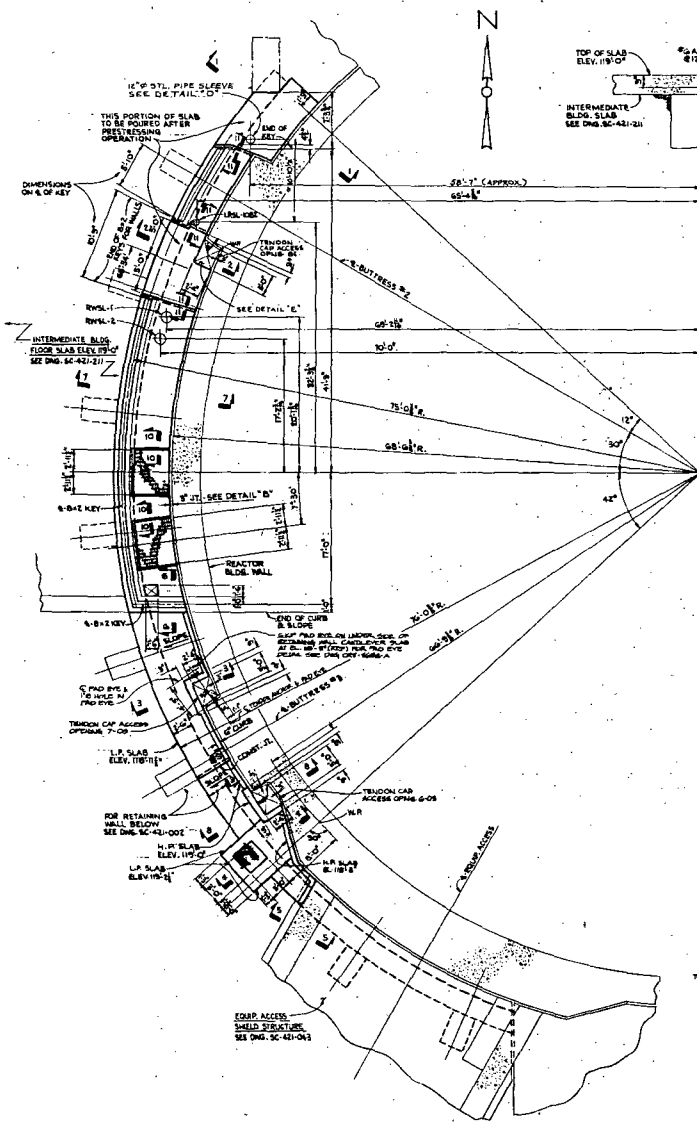




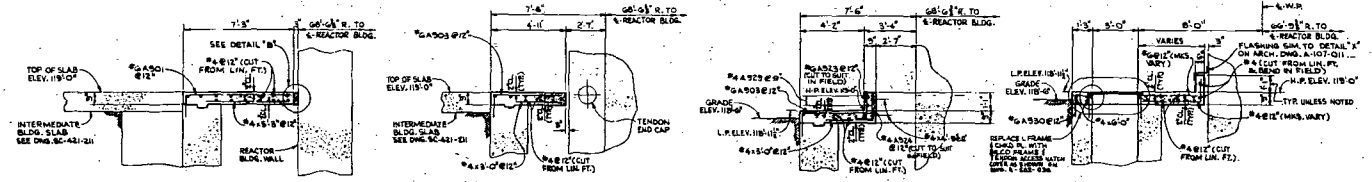
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  2. FOR REVISIONS TO BE MADE SEE REV. NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

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<b>FLORIDA POWER CORPORATION</b> 65 PENNSYLVANIA AVENUE MIAMI, FLORIDA 33132 PROJECT NO. 3 011000 E.W. REACTOR BUILDING REACTOR VESSEL PRIMARY SAFETY WALL SECTIONS & DETAILS			
DESIGNER ENGINEER CHECKED APPROVED DATE	DRAWN DATE	SCALE 1/4" = 1'-0"	SHEET NO. 5 SC-421-015



PLAN ABOVE ELEV. 119'-0"

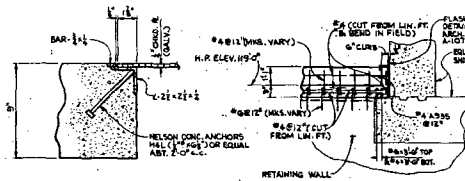


SECTION 1-1

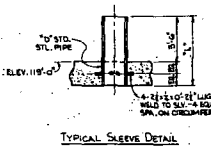
SECTION 2-2

SECTION 3-3

SECTION 4-4

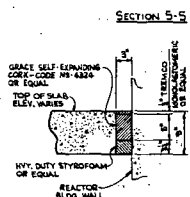


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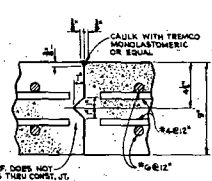


SLEEVE SCHEDULE

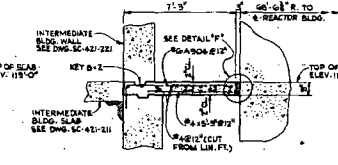
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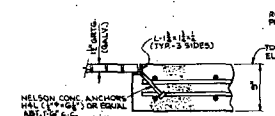
SECTION 5-5



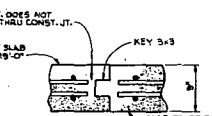
SECTION 6-6



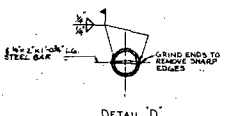
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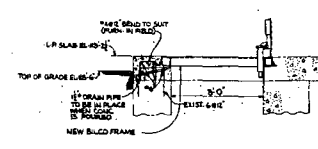
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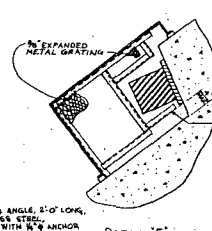
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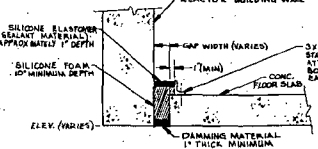
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DETAIL 'C'



DETAIL 'E'



DETAIL 'F'

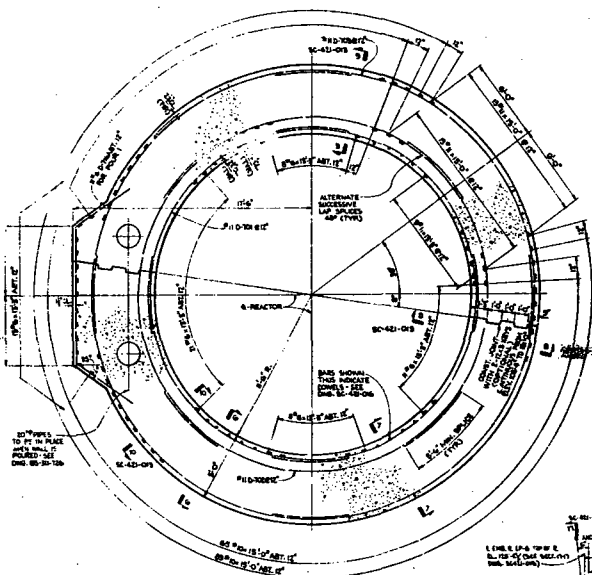
- NOTES:
1. VERIFY: DIMENSIONS OF ALL PARTS AGAINST THE P.L.I. DRAWING AS TO BE USED.
  2. REINFORCING BARS TO BE USED AS SHOWN IN THIS DRAWING UNLESS OTHERWISE NOTED.
  3. ALL DIMENSIONS UNLESS OTHERWISE NOTED TO BE IN FEET AND INCHES.

- REFERENCES:
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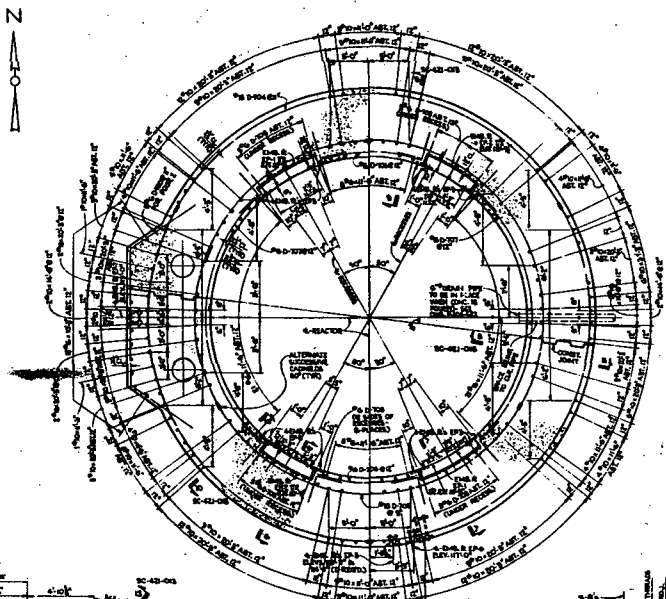
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92	AS BUILT PER MAR 97-06-07-01			
93	AS BUILT PER MAR 97-06-07-01			
94	AS BUILT PER MAR 97-06-07-01			
95	AS BUILT PER MAR 97-06-07-01			
96	AS BUILT PER MAR 97-06-07-01			
97	AS BUILT PER MAR 97-06-07-01			
98	AS BUILT PER MAR 97-06-07-01			
99	AS BUILT PER MAR 97-06-07-01			
100	AS BUILT PER MAR 97-06-07-01			

FLORIDA POWER CORPORATION  
 11 PETTIBOND, FLORIDA  
 CRYSTAL RIVER PLANT  
 SHEET NO. 11  
 SECTION 10-10  
 REINFORCING BARS CONNECTIONS SLAB AT ELEV. 119'-0"  
 PLAN: REINFORCING BARS

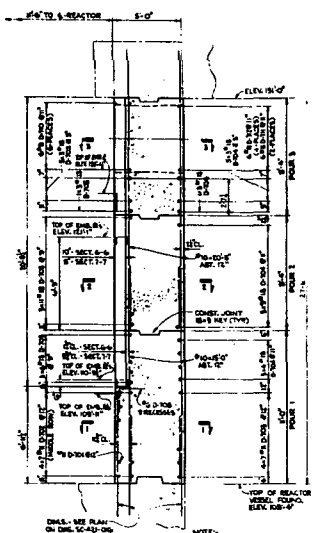
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 GIBNEY ASSOCIATES, INC.  
 4203 Z-421-011  
 DATE RELEASED FOR CONSTRUCTION  
 10-13



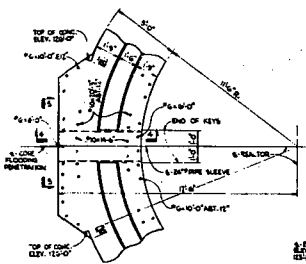
SECTIONAL PLAN 1-1



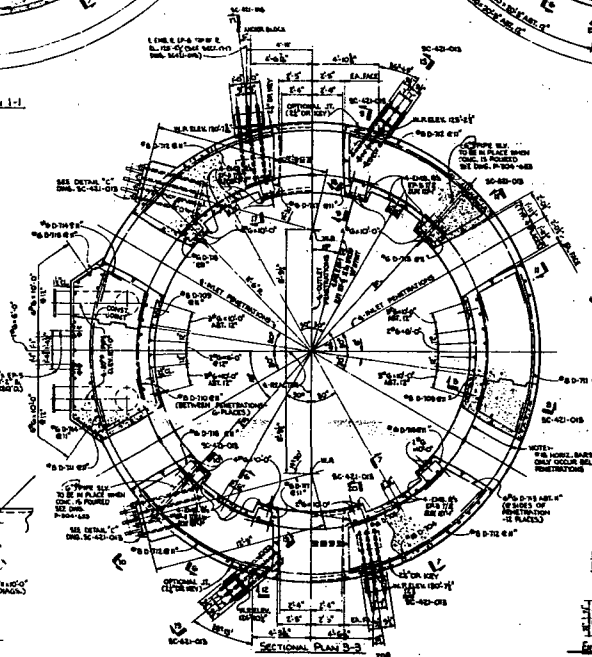
SECTIONAL PLAN 2-2



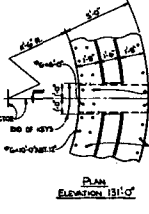
SMALL-SCALE PLAN ON DIM. SC-42-06



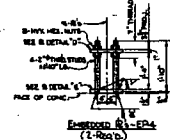
PLAN ELEVATION 1A10



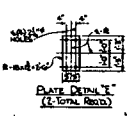
SECTIONAL PLAN 3-3



PLAN ELEVATION 1B10



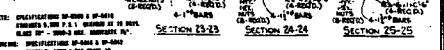
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EMBEDDED R-EP5 (2-TOTAL PLACES)

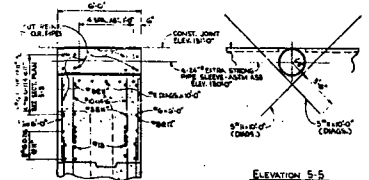
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EMBEDDED R-EP7 (1-PLACE)

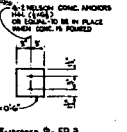


SECTION 23-23

SECTION 24-24



SECTION 4-4 (2-PLACES)



EMBEDDED R-EP3 (2-PLACES)

EMBEDDED R-EP1 (2-PLACES) AS NOTED

EMBEDDED R-EP2 (2-PLACES)

EMBEDDED R-EP7 (1-PLACE)

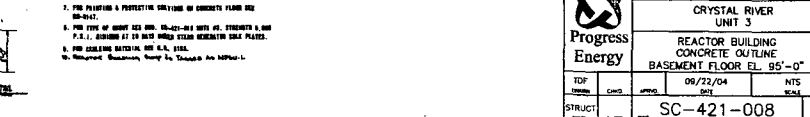
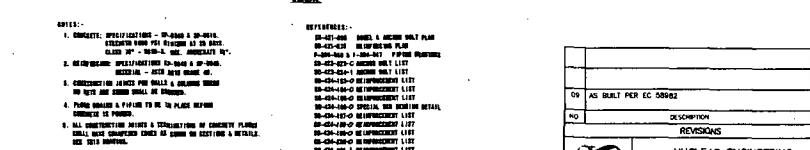
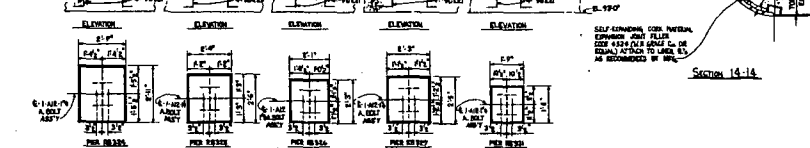
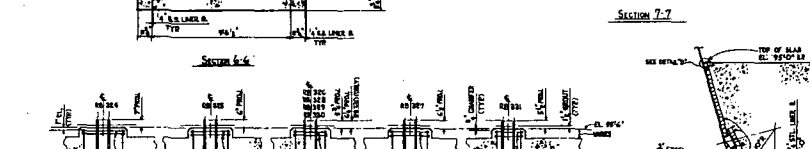
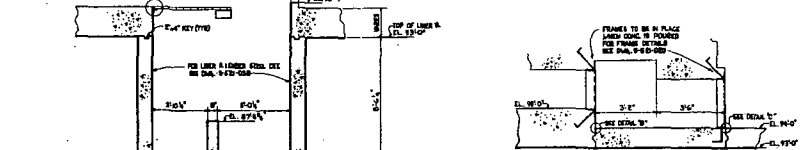
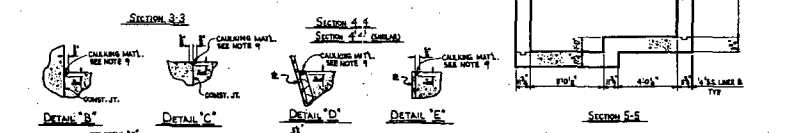
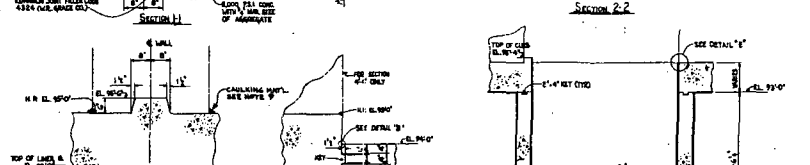
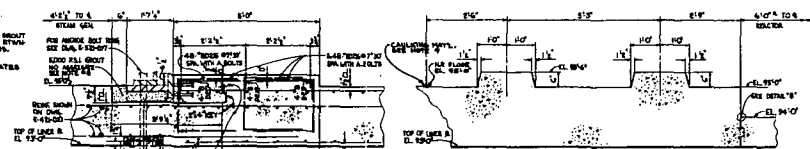
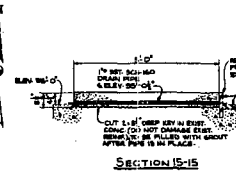
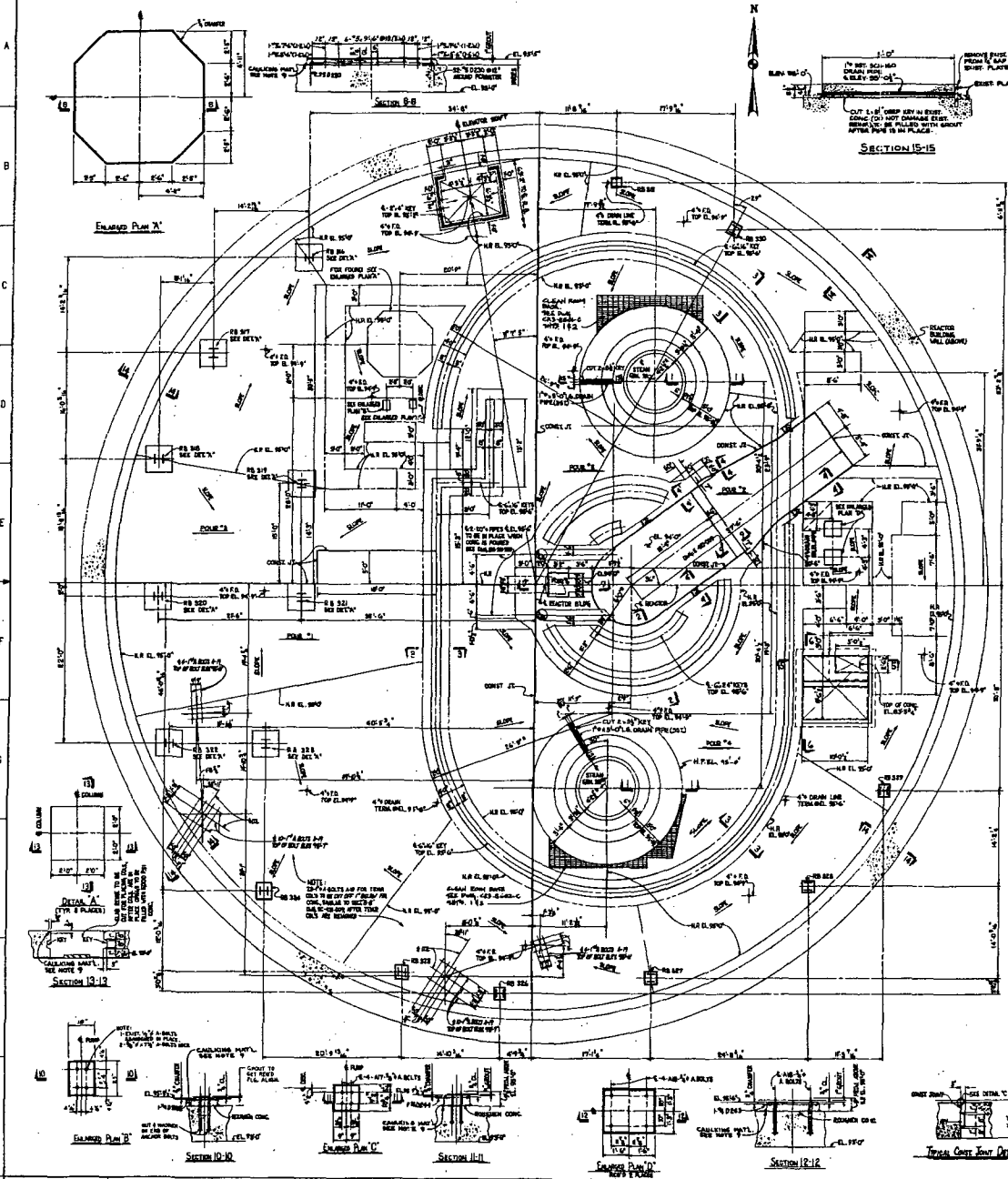
- NOTES:
1. DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES. DIMENSIONS IN FEET AND INCHES SHALL BE TO NEAREST 1/8". DIMENSIONS IN FEET SHALL BE TO NEAREST 1/4".
  2. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE SPECIFIED.

- REVISIONS:
- |          |                                    |
|----------|------------------------------------|
| SC-42-01 | REACTOR VESSEL FRONT VIEW          |
| SC-42-02 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-03 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-04 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-05 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-06 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-07 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-08 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-09 | REACTOR VESSEL FRONT VIEW - DETAIL |
| SC-42-10 | REACTOR VESSEL FRONT VIEW - DETAIL |

<b>FLORIDA POWER CORPORATION</b> IN WASHINGTON, ALABAMA CRYSTAL RIVER PLANT UNIT NO. 3 REACTOR VESSEL REACTOR VESSEL PRIMARY SHELF RAIL PLATES & SECTIONS	
DRAWN BY: DUMBY ASSOCIATES, INC. CHECKED BY: DUMBY ASSOCIATES, INC. APPROVED BY: DUMBY ASSOCIATES, INC.	DATE: 11-15-60 SCALE: AS SHOWN SHEET NO.: SC-42-012

CONSTRUCTION LIMITED CONSTRUCTION AS NOTED UNLESS OTHERWISE SPECIFIED FOR CONSTRUCTION REVISIONS: NONE	DATE: 11-15-60 SCALE: AS SHOWN SHEET NO.: SC-42-012
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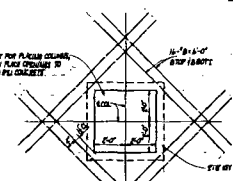
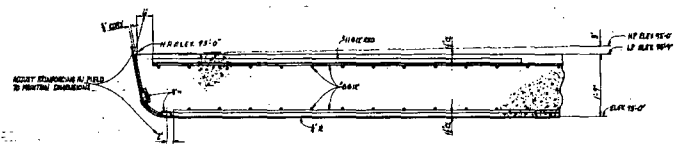
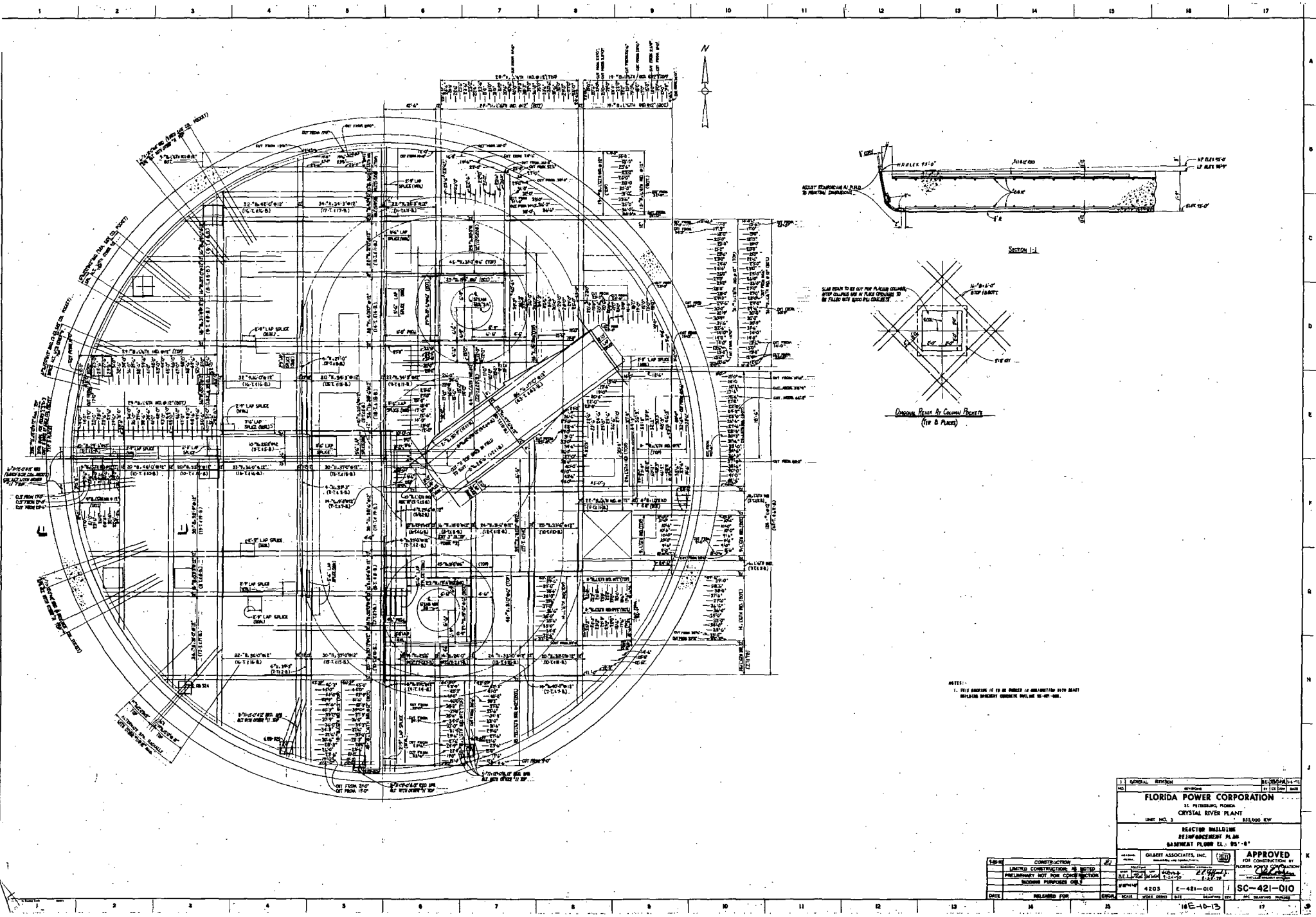
- NOTES:
1. CONCRETE SPECIFICATIONS - 19-2000 & 20-2000. ELEVATIONS ARE PER SECTION 15 TO 18. CLASS '30' - SEE APPENDIX 'A'.
  2. REINFORCING: PRECAST/CAST-IN-PLACE. REINFORCING - SEE REVISION 04.
  3. CONNECTIONS: JUNCTIONS PER WALL & COLUMN. SEE REVISION 04.
  4. FORMWORK & PILING TO BE IN PLACE BEFORE REMOVAL OF FORMS.
  5. ALL INTERSECTIONS MUST BE TYPICAL OF CONCRETE PLANS. SHALL BE CONSTRUCTED EXACT AS SHOWN IN SECTION & DETAILS. SEE THIS DRAWING.
  6. PLAN AREAS TO INDICATE A FORM PILING FACED. SEE SPECIFICATION 19-2000.
  7. FOR PROTECTIVE & PERFORMING OPERATIONS OF CONCRETE PLANS SEE 19-2047.
  8. FOR TYPE OF JOINT SEE 19-2042-101. SEE 19-2042-101 P. 1.1. JOINTS AT 10' MAXIMUM SPACING UNLESS OTHERWISE NOTED.
  9. FOR COORDINATING MATERIALS, SEE R.L. FILE.
  10. REINFORCING: BRIDGES, TYPICAL IN TYPICAL REVISION 04.
- REFERENCES:
- 19-2047-101: WALL & COLUMN ONLY PLAN
  - 19-2047-102: REINFORCING PLAN
  - 19-2047-103: 19-2047-101 FORMWORK
  - 19-2047-104: 19-2047-101 FORMWORK
  - 19-2047-105: 19-2047-101 FORMWORK
  - 19-2047-106: 19-2047-101 FORMWORK
  - 19-2047-107: 19-2047-101 FORMWORK
  - 19-2047-108: 19-2047-101 FORMWORK
  - 19-2047-109: 19-2047-101 FORMWORK
  - 19-2047-110: 19-2047-101 FORMWORK
  - 19-2047-111: 19-2047-101 FORMWORK
  - 19-2047-112: 19-2047-101 FORMWORK
  - 19-2047-113: 19-2047-101 FORMWORK
  - 19-2047-114: 19-2047-101 FORMWORK
  - 19-2047-115: 19-2047-101 FORMWORK
  - 19-2047-116: 19-2047-101 FORMWORK
  - 19-2047-117: 19-2047-101 FORMWORK
  - 19-2047-118: 19-2047-101 FORMWORK
  - 19-2047-119: 19-2047-101 FORMWORK
  - 19-2047-120: 19-2047-101 FORMWORK

REVISIONS		DATE	BY
NO	DESCRIPTION		
01	AS BUILT PER EC 00462		

	<b>NUCLEAR ENGINEERING</b> CRYSTAL RIVER UNIT 3		
	REACTOR BUILDING CONCRETE OUTLINE BASEMENT FLOOR EL. 95'-0"		
TDF	DATE	08/22/04	NTS
STRUCT	NO.	SC-421-008	9

1E-10-18 17

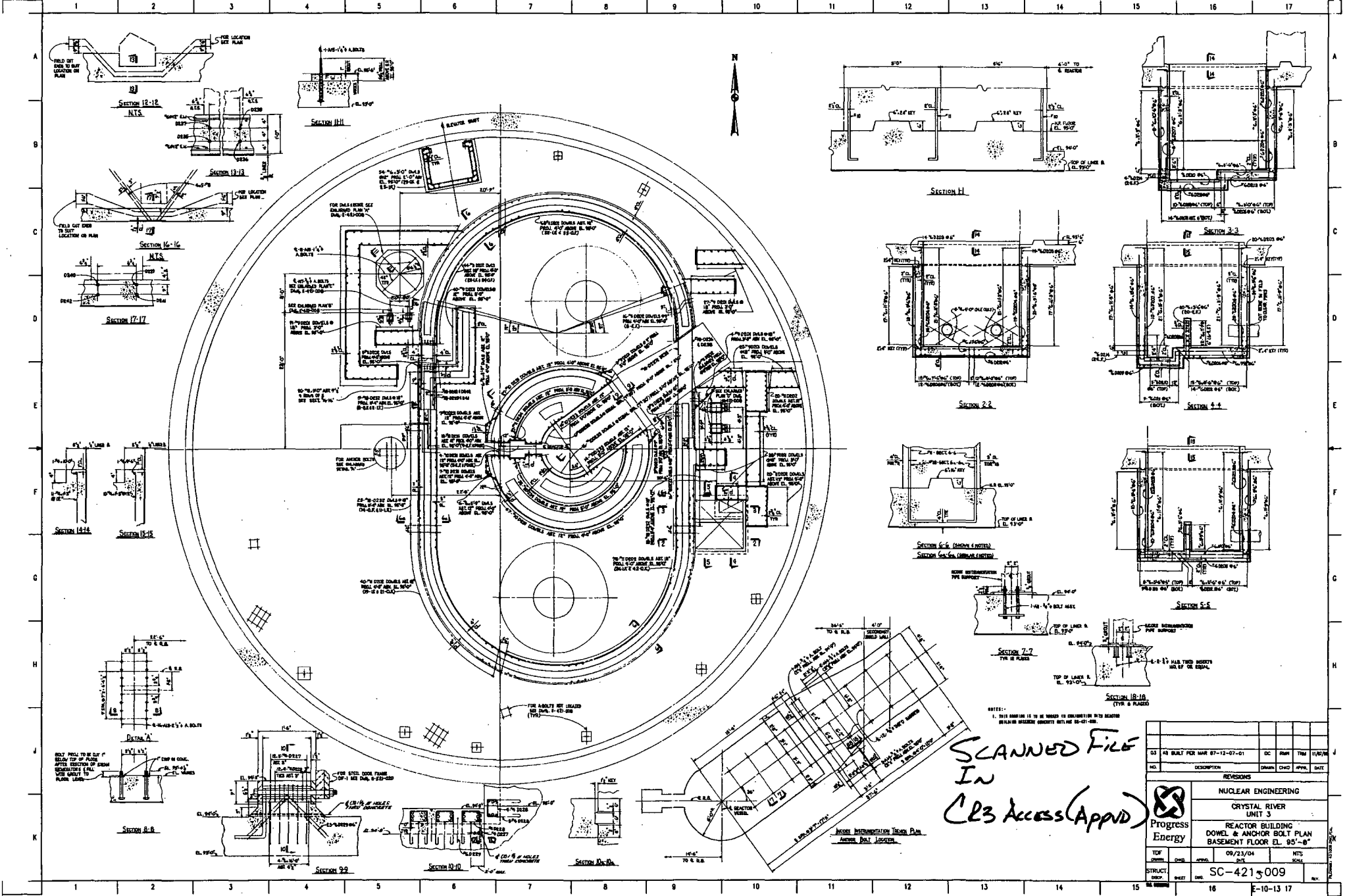


Detail of Column Rebar  
(See B Plans)

NOTES:  
1. THIS DRAWING IS TO BE USED IN CONNECTION WITH DRAWING NO. SC-421-010.

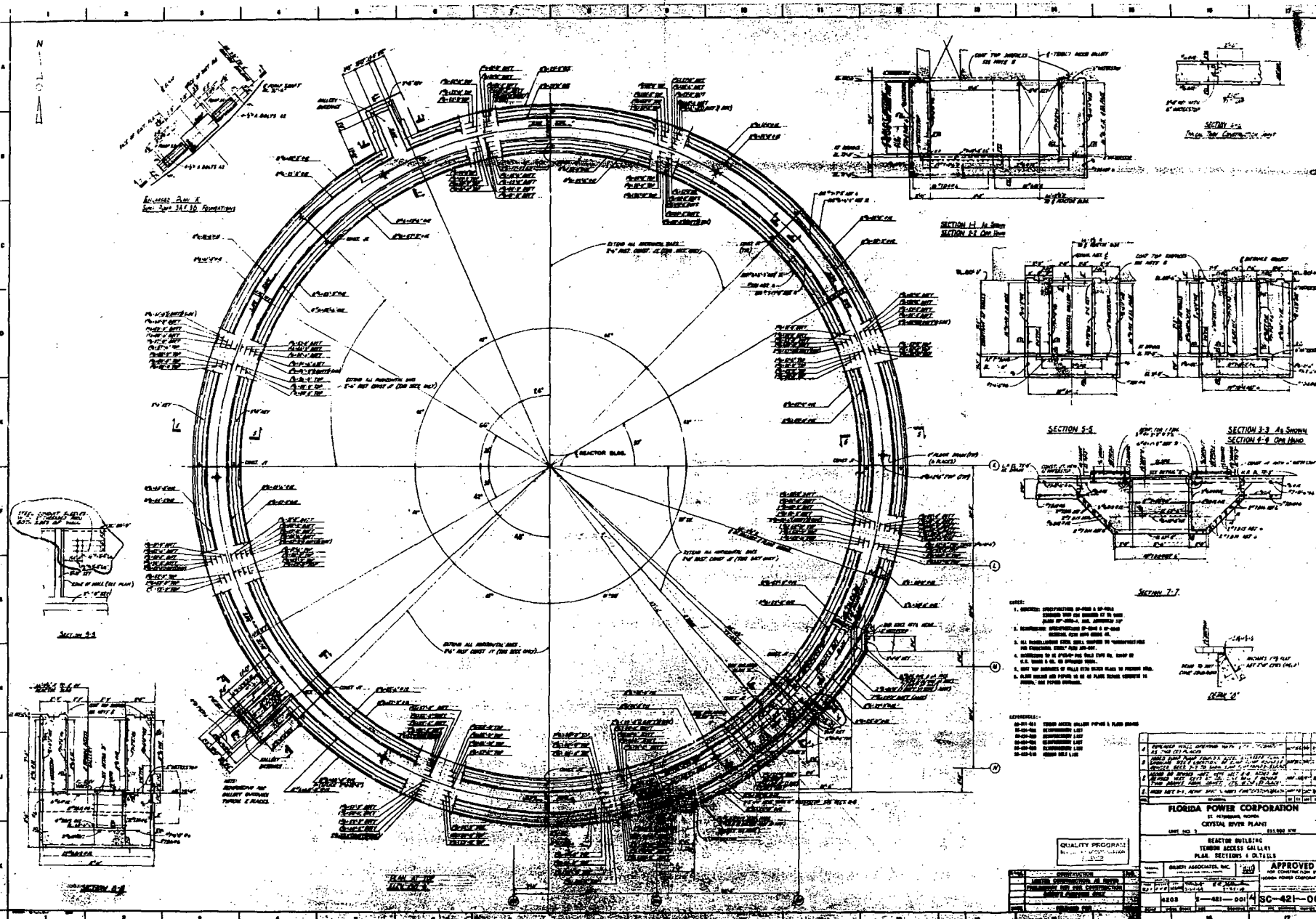
GENERAL DIVISION		PROJECT NO.	
<b>FLORIDA POWER CORPORATION</b>			
11 PETERSBURG, FLORIDA			
CRYSTAL RIVER PLANT			
UNIT NO. 2		355,000 KW	
REACTOR BUILDING			
REINFORCEMENT PLAN			
BASEMENT FLOOR E.L. 95'-0"			

DATE	DESIGNED BY	CHECKED BY	APPROVED BY
10/13	4203	E-421-010	SC-421-010
LIMITED CONSTRUCTION IS NOTED		APPROVED FOR CONSTRUCTION BY	
PRELIMINARY NOT FOR CONSTRUCTION		FLORIDA POWER CORPORATION	
PURPOSES ONLY		10/13	



SCANNED FILE  
IN  
CR3 Access(Appvd)

REVISIONS																							
NO.	DESCRIPTION	ISSUED	BY	DATE	APPV.																		
03	AS BUILT PER MAR 87-12-07-01	DC	RMH	TRM	11/29/04																		
<table border="1"> <tr> <td colspan="2"> </td> <td colspan="4">           NUCLEAR ENGINEERING            CRYSTAL RIVER            UNIT 3            REACTOR BUILDING            DOWEL &amp; ANCHOR BOLT PLAN            BASEMENT FLOOR EL. 95'-0"         </td> </tr> <tr> <td>TOP</td> <td>DATE</td> <td>09/23/04</td> <td>MTG</td> <td colspan="2"></td> </tr> <tr> <td>STRUCT.</td> <td>NO.</td> <td>SC-4215009</td> <td>SCALE</td> <td colspan="2"></td> </tr> </table>								NUCLEAR ENGINEERING CRYSTAL RIVER UNIT 3 REACTOR BUILDING DOWEL & ANCHOR BOLT PLAN BASEMENT FLOOR EL. 95'-0"				TOP	DATE	09/23/04	MTG			STRUCT.	NO.	SC-4215009	SCALE		
		NUCLEAR ENGINEERING CRYSTAL RIVER UNIT 3 REACTOR BUILDING DOWEL & ANCHOR BOLT PLAN BASEMENT FLOOR EL. 95'-0"																					
TOP	DATE	09/23/04	MTG																				
STRUCT.	NO.	SC-4215009	SCALE																				
STRUC. NO.		DATE		09-10-13 17																			



- NOTES:
1. REACTOR BUILDING IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION OF THE REACTOR BUILDING AS SHOWN ON THE DRAWINGS AND AS APPROVED BY THE U.S. ATOMIC ENERGY COMMISSION.
  2. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.
  3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
  4. DIMENSIONS TO BE CHECKED BY THE CONTRACTOR.
  5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
  6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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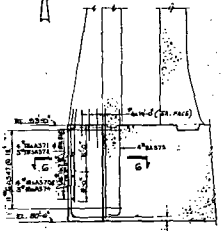
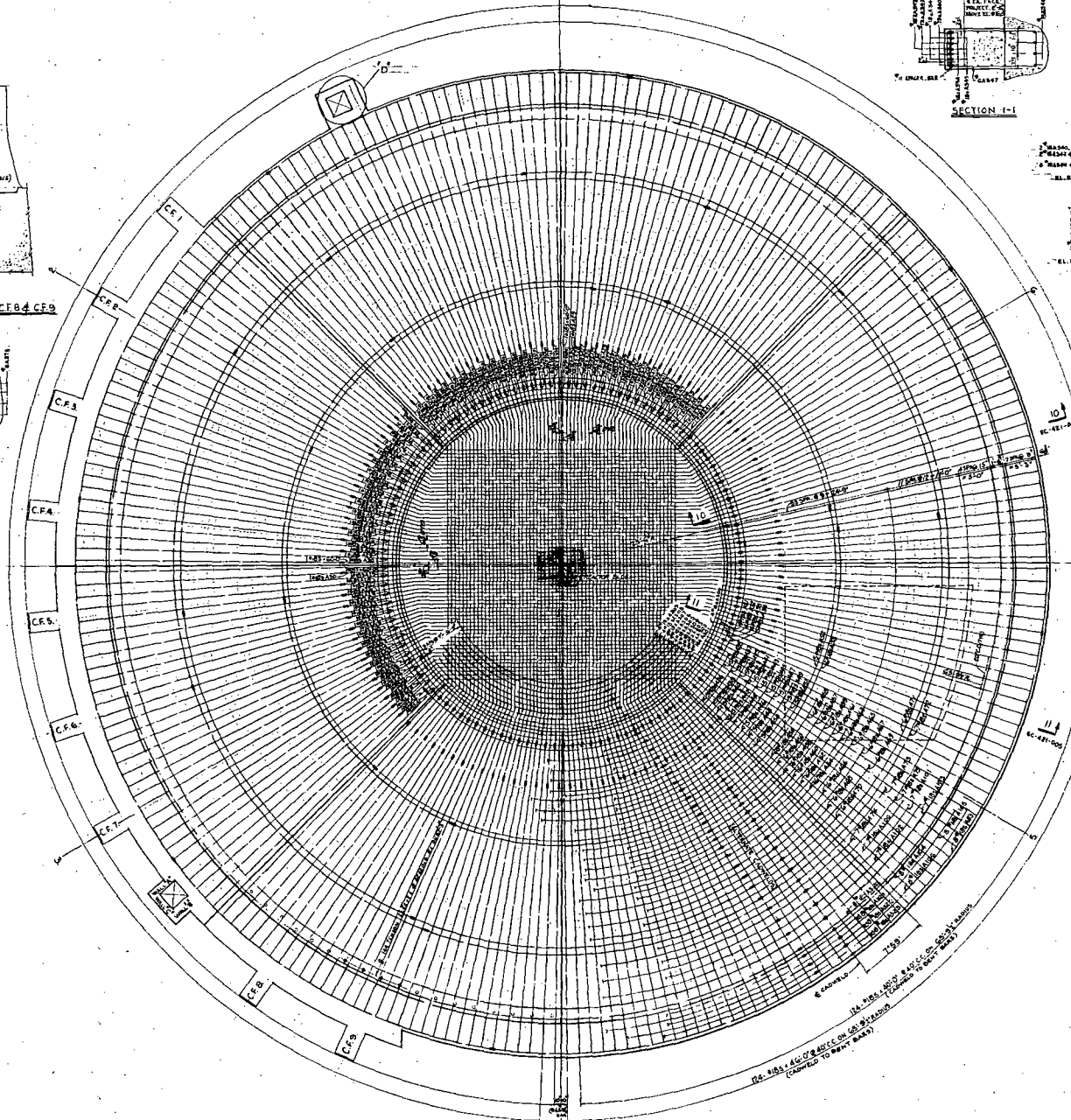
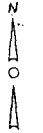
REVISIONS:

NO.	DESCRIPTION	DATE
01	ISSUED	11/15/50
02	REVISION	11/15/50
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04	REVISION	11/15/50
05	REVISION	11/15/50
06	REVISION	11/15/50
07	REVISION	11/15/50
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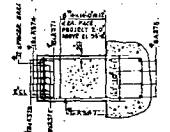
FLORIDA POWER CORPORATION  
 11, WEST PALM BEACH, FLORIDA  
 CRYSTAL RIVER PLANT  
 UNIT NO. 3  
 REACTOR BUILDING  
 TENDON ACCESS GALLERY  
 PLAN, SECTIONS & DETAILS  
 11/15/50

APPROVED  
 QUALITY PROGRAM  
 11/15/50

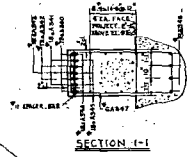
SC-42-001



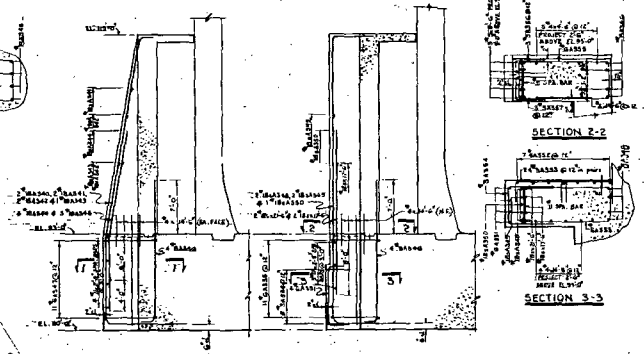
COUNTERFORT C.F. 8 & C.F. 9  
2 REQUIRED



SECTION 6-6



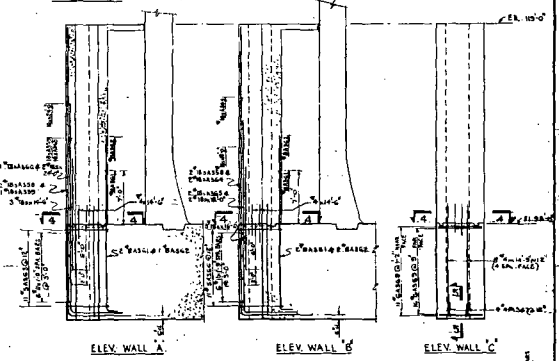
SECTION 1-1



SECTION 2-2

SECTION 3-3

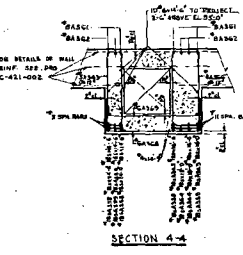
TYPICAL COUNTERFORT  
8 REQUIRED  
C.F. 2 THRU C.F. 7



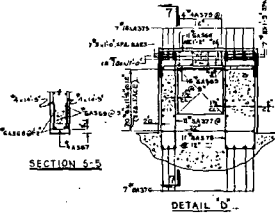
ELEV. WALL A

ELEV. WALL B

ELEV. WALL C

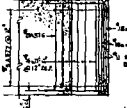


SECTION 4-4



SECTION 5-5

DETAIL D



SECTION 7-7

NOTES:  
1. SOME THIS DRAWING IS CONSTRUCTION RITE READING BUILDING BUT CONCRETE BATH LINE - SC-421-002.

- REFERENCES:
- SC-421-002 REINFORCEMENT LIST
  - SC-421-003 REINFORCEMENT LIST
  - SC-421-004 REINFORCEMENT LIST
  - SC-421-005 REINFORCEMENT LIST
  - SC-421-006 REINFORCEMENT LIST
  - SC-421-007 REINFORCEMENT LIST
  - SC-421-008 REINFORCEMENT LIST
  - SC-421-009 REINFORCEMENT LIST
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  - SC-421-011 REINFORCEMENT LIST
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  - SC-421-019 REINFORCEMENT LIST
  - SC-421-020 REINFORCEMENT LIST

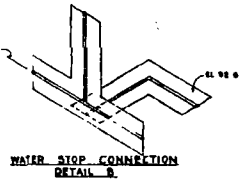
NEEDED COUNTERFORT & WALL REINFORCING

**FLORIDA POWER CORPORATION**  
ST. PETERSBURG, FLORIDA  
CRYSTAL RIVER PLANT  
UNIT NO. 2 655,000 KW

REACTOR BUILDING  
FOUNDATION MAT  
BOTTOM REINFORCEMENT - 1ST LAYER

DATE	DESIGNED BY	SC-421-004	SCALE	REVISIONS	DRAWN BY	CHECKED BY	APPROVED BY	DATE
	RELEASED FOR	CONSTRUCTION						
LIMITED CONSTRUCTION AS NOTED PRELIMINARY NOT FOR CONSTRUCTION REVISIONS PLANNED ONLY								
APPROVED FOR CONSTRUCTION BY [Signature]								

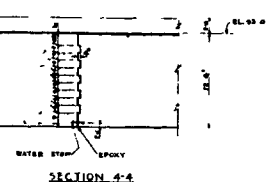
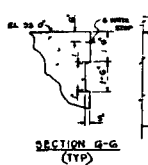
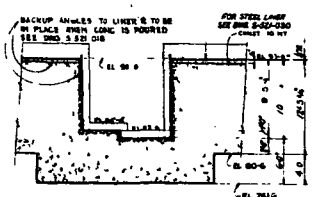
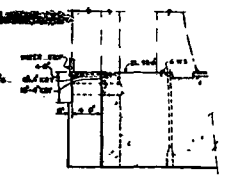
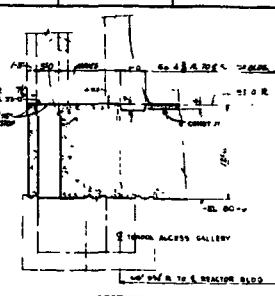
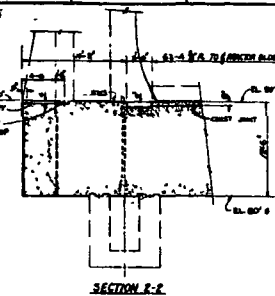
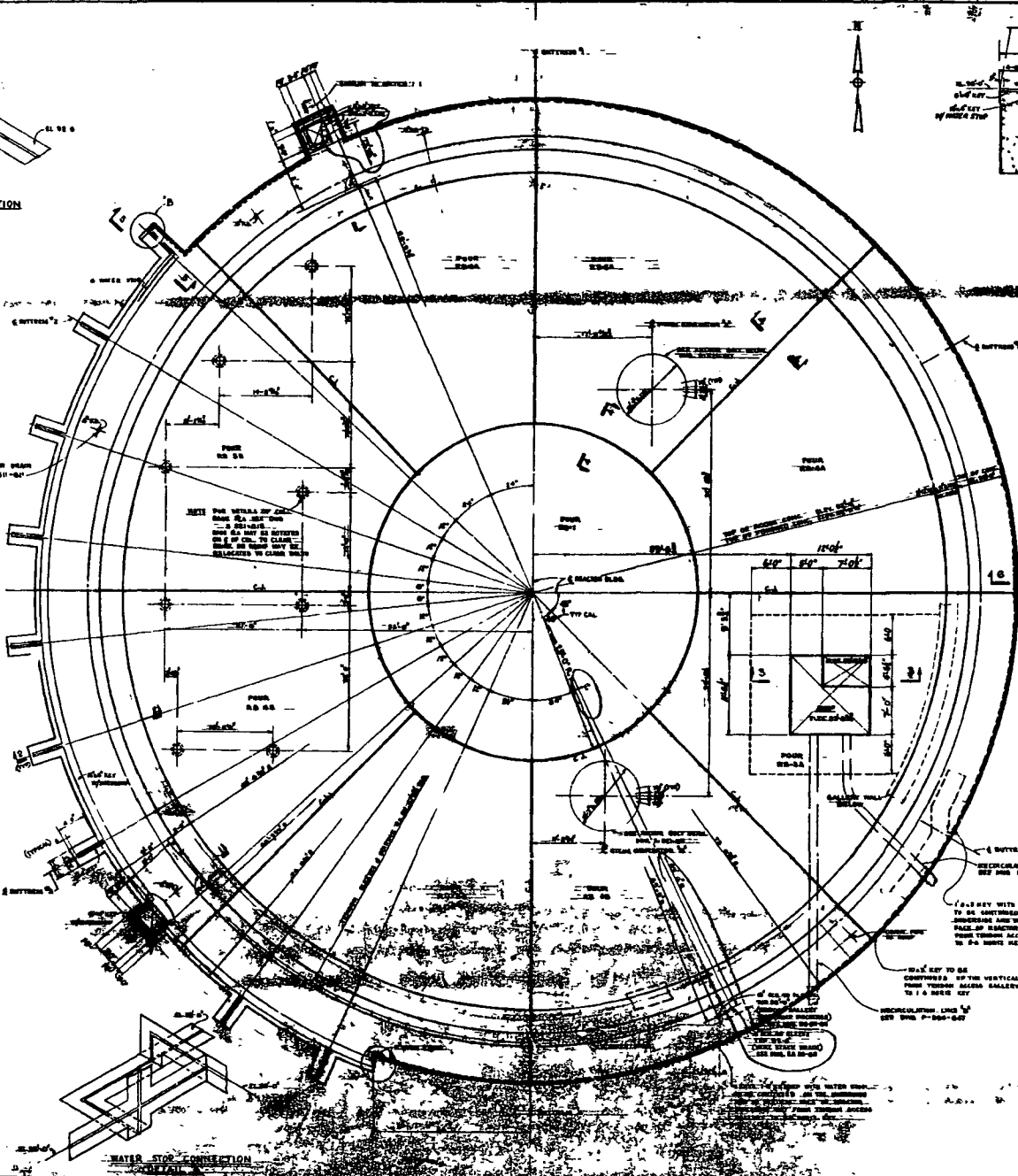
16-E-10-13



WATER STOP CONNECTION  
DETAIL B

NOTE FOR POSITION OF FLOOR DECK  
SEE SHEET DWG. 88-21-02

NOTE THE DETAILS OF THE  
BASE OF THE WATER STOP  
SHOULD BE AS SHOWN  
ON ALL SHEETS IN WHICH  
THE WATER STOP IS USED  
UNLESS OTHERWISE SPECIFIED  
IN THE CONTRACT DOCUMENTS



1. CHECK PROVISIONS OF SPEC & OTHER  
APPLICABLE CODES FOR ALL  
REINFORCEMENT, OR OTHER OF  
REINFORCEMENT, OR OTHER OF  
REINFORCEMENT, OR OTHER OF  
REINFORCEMENT, OR OTHER OF
2. SECTION OF 16' FROM CENTER OF 16' DIA. OF  
C.S. SHALL BE AS SHOWN ON  
SHEET DWG. 88-21-02
3. SECTION OF 16' FROM CENTER OF 16' DIA. OF  
C.S. SHALL BE AS SHOWN ON  
SHEET DWG. 88-21-02
4. SECTION OF 16' FROM CENTER OF 16' DIA. OF  
C.S. SHALL BE AS SHOWN ON  
SHEET DWG. 88-21-02

- REVISIONS:**
- |     |             |
|-----|-------------|
| NO. | DESCRIPTION |
| 1   | AS SHOWN    |
| 2   | AS SHOWN    |
| 3   | AS SHOWN    |
| 4   | AS SHOWN    |

WATER STOP TO BE  
CONTINUED UP THE VERTICAL FACE  
FROM THROUGH ACCESS GALLERY TO  
TO A BASE KEY

DATE	BY	CHKD	APP'D

**FLORIDA POWER CORPORATION**  
1 WASHINGTON SQUARE  
ORLANDO, FLORIDA 32803  
CRYSTAL RIVER PLANT  
SHEET NO. 1 811,000 L-1  
OFFICE BUILDING  
FOUNDATION MAT  
CONCRETE OUTLINE

DESIGNED BY	CHKD BY	APP'D BY
DATE	DATE	DATE
SCALE	SCALE	SCALE

**APPROVED**  
FOR CONSTRUCTION BY  
FLORIDA POWER CORPORATION

8/1/80 88-421-003 3C-421-003