DR. NO. 1-2-3181

GENERAL NOTES

ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE A.C.I. 318-71 SPECIFICATIONS EXCEPT AS NOTED. ALL TESTS AND LIMITS OF MIXES SHALL BE AS SPECIFIED IN THE SPECIFICATIONS. NO CHANGES IN MIXES OR MATERIALS SHALL BE MADE EXCEPT WITH THE WRITTEN APPROVAL OF THE A/E. ALL SPECIFIC AND FURTHER REQUIREMENTS AND TOLERANCES NOT SET FORTH IN THE SPECIFICATIONS SHALL BE AS FOLLOWS: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SURE THAT ALL COLD JOINTS WILL BE KEYED IN THE CONCRETE. ALL EXPOSED CONCRETE SHALL BE FREE OF HONEYCOMB. ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4". ALL INTERIOR FLOOR FINISH SHALL CONFORM TO THE A.C.I. F-3 CRITERIA. EXPOSED PARTS OF STEEL SHALL BE PAINTED AS SPECIFIED. ALL EXPOSED SURFACES EXCEPTED CONCRETE SURFACES TO HAVE A FINISH EQUAL TO THAT OBTAINED BY A STEEL FORM.

CONCRETE: f'_c = 3,500 PSI

ALL ELECTRICAL CONDUITS, PIPING AND EMBEDDED STEEL TO BE IN PLACE BEFORE CONCRETE IS IN PLACE.

ALL ANCH. BOLTS ARE PREFIXED WITH 12-3073A

FOR EMBEDDED STRUT CHANNELS # 3 9 12" x 1" - LENGTH VARIES SEE FOR CRANE WALL SHIELD 1-2-13171,72 & " PRIMARY SHIELD 1-2-13173

NOTE 'D-2' [5/8]
REACTOR SUPPORT AREA AS INDICATED IS FOR UNIT #1 ONLY, FOR UNIT #2 SEE DWG. 1-2-3181

MATERIAL

CONCRETE:
PRIMARY SHIELD 800 C.Y.
CRANE WALL 374 C.Y.

BY: J.A. JONES CONSTR. CO

11-6 3/4 RUNGS MK R1-SEE S-SK-51

3/8" & 1/2" Y INSERTS - BY FIELD.

REFERENCE DWGS.:

8866-E2,EA - LAKESIDE (UNIT #12)
12-3785 - PLAT, @ EL. 596'-6" & EL. 597'-7"
1-2378 29 - INSTALLATION OF REACTOR & STEAM GENERATORS
(1-5103A - PIPING, HELIUM - GUARD AIR, #1
1-2-3867 - CONTMT. BLDG. FDN. SLAB STEEL LINER.
1-2-3148 - L2A - " - " - COLS. ANCHORAGE
1-2-3177 - " - " - " - @ EL. 596'-9 3/4" PLAN
1-2-3178 - " - " - " - " - SECTS
1-2-3205 - " - " - STEEL FRAMING @ EL. 612'-0"
1-2-3205A - " - " - " - " -
1-2-3172 - " - " - FDN. SLAB @ EL. 579'-6"
1-2-3178 - " - " - " - " -
1-2-3805 - 8.57 SEL LINER FOR REACTOR, REFUEL CAV.
1-2-3806 - " - " - " - " -
1-2-3827 - " - " - " - " -
1-2343 - CONTMT. BLDG. MISC. SLEEVES LOCATION
1-2348 - " - " - FL. DRAINAGE @ EL. 596'-9 3/4" & 612'-0"
1-5031 - " - " - PIPING ARRGMT. @ EL. 596'-9 3/4"
1-2-3322 - " - " - " - " - EL. 612'-0"
1-1860, 61, 62 SLEEC. EQUIPT. CONST. IN CONTMT. AREA
1-2-3827, 28, 29 & 31 STL. PARTS - REACTOR, STEEL SUPPORT
1-2-3722 - PENETR. @ EL. 612'-0"

NO	DESCRIPTION	APPD.
13	ADDED NOTE TO PART PLAN 8/9	
12	ADDED ANCH. ITS 7/31	
11	ADDED SHEAR KEYS DWG. 3207 & 08	
10	UNITED REACTOR SUPPORT AREA TO UNIT #1 (ADDED NOTE 'D-2')	
9	REVISED LOCATION OF RUNGS PER FIELD DATA 7/31	
8	REVISED ASPHALT & CURB LIMITS	
7	REV. LOCATION OF COL. LINE 11 ADDED PIPE PENETR. - SECT. C	
6	REV. ANCH. BOLT TO MK 3-A31 ADDED GENERAL WIRE CUT (LUGS) ADD NOTE 'G-9B' REV. THK. 24-6" WAS 25-6" ADD KEYS @ SLAB & WALL ADDED DETAIL 'N-5'	
5	REV. LOCATION OF VENT 2"	
4	REV. LOCATION OF CORES REMOVED ADDED CORES @ 9'-6" & 24'-6"	
3	ADDED NOTE 'G-8'	
2	REVISED WORK, INCLUDED ICE COND. SEL. COILS @ 3/4" & 7/8" ADDED THERMOCOUPLE MASS. CONT. REV. ANGLE FOR 25° TO CONTMT. PRIM. SHIELD & CRANE WALL REV. CONC. VOL. FOR PRIM. SHIELD	
1	RELEASED FOR CONSTRUCTION (PRIMARY SHIELD UNITS 1 & 2 ONLY) CRANE WALL UP TO EL. 618'-0" FOR DETAILING OF REINFS. ONLY	
0	RELEASED CRANE WALL UP TO EL. 618'-0" FOR DETAILING OF REINFS. ONLY	

REVISIONS

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INDIANA & MICHIGAN ELECTRIC CO.
DONALD C. COOK NUCLEAR PLANT
BRIDGMAN MICHIGAN

UNIT #1 & #2
CONTAINMENT BUILDING SECTIONAL PLAN EL. 612'-0"
MASONRY

DR. No. 1-2-3181-13

ARCH.	ELEC.	MECH.	STR.

SCALE: AS NOTED
DR. & CH. TC, WL
CH. EK
SU. LOR.
DATE:

APPROVED: ENGINEERING DIV. / DESIGN DIV.

AMERICAN ELECTRIC POWER SERVICE CORP.
2 BROADWAY NEW YORK

MATERIAL	RELEASE DATE
STRUCT. STEEL	
REINF. STEEL	
DECKING	
GRATING	
STAIR TREADS	
HANDRAILING	

NOTE: CHECKER IS RESPONSIBLE TO SEE THAT THE ABOVE APPLICABLE MATERIALS SO BE ORDERED ARE BROUGHT TO WELDERS' LEADERS' ATTENTION.

TERA APERTURE CARD

REGULATORY DOCKET FILE COPY
Docket # 50-315/316
Control # 810714 0844
Date of Letter 7/9/81
REGULATORY DOCKET FILE

DETAIL A-2 [5/8] (3/4"=1'-0") TYP. - 8 REQ'D. EA. UNIT

SECTION A-3 (3/32"=1'-0") SEE DET. A-2

SECTION C-1 (3/32"=1'-0") SEE DET. A-2

NOTE 'C-2' [32] GROUT SEE NOTE C-2 BEFORE PLACING CONC. ABOVE

THIS PART OF CONC. WILL BE POURED LATER. SEE SECT. H-8 (1-2-3182A)

SECTION A-7" [32]

NOTE 'A-6' [32] "THIS PART OF WALL NOT TO BE POURED UNTIL REACTOR, STEAM GENERATORS & OTHER LARGE EQUIPMENT ARE INSTALLED.

PART PLAN 'B-9' [16] (3/4"=1'-0")

WORK THIS DWG. WITH 2-5890 (14 KHR RUPTURE RESTR'TS. PLAN 4 SECT'S)
" " " " 2-5891 (-1- -" -" -" SECT'S & DET'S)
WORK THIS DWG. WITH 2-3181 (PARTIAL PLANS-PR. SHIELD)
" " " " 1-2-3181A (SECTIONS - U.N.)
" " " " 1-2-3185 (CRANE WALL DEVELOPMENT) & 1-2-3185G
" " " " 1-2-3192, 92A (PRIM. SHIELD DEVELOPMENT)
" " " " 1-2-3181B, D, E, 85B, A, 92B, C (REINFS.)

SECTIONAL PLAN @ EL. 612'-0" (CRANE WALL FLOOR @ ELEV. 612'-0" NOT SHOWN) (1/8"=1'-0")
UNIT #1 - AS SHOWN.
UNIT #2 - OPP. HAND ABT. E-W & OF CONT'M'T. BLDG. (EXCEPT AS NOTED - SEE NOTE 'D-2')
POUR NOS: UNIT #1 - IC1E2, A1, B, B1, B2; IC2E4, A1, AE; A3, B, B1.
UNIT #2 - EC1SA, A1, B, B1, B2; EC2E4, A1, AE; A3, B, B1.

NOTE 'D-2' FOR STEEL COLS & FRAMING @ EL. 612'-0" SEE 1-2-3205. FOR CONC. FLOOR @ EL. 612'-0" SEE 1-2-3207.

NOTE 'G-8' FOR PIPE RESTRAINT ANCHOR IES FOR CRANE WALL (ON INSIDE & OUTSIDE FACES) SEE DWG. 1-2-3185G ELEV. N-7 (1-2-3181A) (PRIMARY SHIELD)

NOTE 'G-9' [5/8] EXTENT OF 8" DIA. CONT. RECESS @ EL. 603'-11 1/2" - SEE SECT. K-K

NOTE 'G-9A' [5/8] [16] SHEAR KEYS AT PRIMARY SHIELD AND CRANE WALL MAY BE REVERSED IF REQUIRED.

NOTE 'G-9B': THERMAL PROBES IN PRIMARY SHIELD ARE NOT SHOWN - FOR LOCATION SEE DWG. 1-5342

DETAIL "K-8" [5/8] KEY LAYOUT BELOW EL. 598'-9 3/4" (3/8"=1'-0")

KEY LAYOUT @ EL. 604'-8 3/4" [1/8] (1/4"=1'-0")

KEY SECTION UNIT 1 AS SHOWN UNIT 2 OPP. HAND

SECTION K-1" [5/8] (3/8"=1'-0")

SECTION J-2 [5/8] (3/4"=1'-0") TYP.

TYP DETAIL "H-1" (3/8"=1'-0")

PART PLAN 4" @ EL. 604'-8 3/4" (1/4"=1'-0") SEE SECT. D-2 (1-2-3181A)

NOTE 'L-5' [16] DO NOT POUR THIS POSTION UNTIL VERTICAL STEEL LINER OF CONTAINMENT SHELL IN THE AREA IS ERECTED ABOVE ELEVATION INDICATED IN PLANS.

NOTE THIS PART PLAN IS SHOWING HOPE. KEYS ONLY. FOR ADD. DETAILS SEE PART PLAN L-4

DETAIL L-5

(1-2-3186G) EL 652'-7 1/2"
(1-2-3184) EL 649'-0"
(1-2-3183) EL 638'-6"
(1-2-3185) EL 622'-0" THIS DWG. (1-2-3181G)

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