DWG. NO. CN-1232-01 REV. 44P

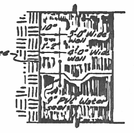
NOTES - FOR REVS.-TO STARTING AIR TANK BASE

1. Field cut existing A.B.'s flush with conc. at El. 556±0. Fill sleeves with type 'D' grout.
2. Core drill 8"ø holes approx. 1'8" deep. Grout new A.B.'s MK. NC12 with type 'E' grout.
3. Increase dimensions of conc. pad to those shown. Where new conc. is to be poured on or attached to existing conc., surfaces shall be coarse, free of loose material, and intentionally roughened to a full amplitude of ¼" in two perpendicular directions.
4. Increase dim. of angle frames by cutting and shipping out portion of old frame not needed. Then add new portion and connect to old using ¾" partial penetration groove weld.

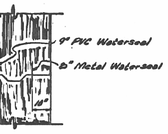
TYPICAL SHEAR KEY DETAIL

Scale: None

TYPICAL WATER SEAL LOCATION AT ALL EXTERIOR WALL CONST. JOINTS ABOVE EL. 556±0

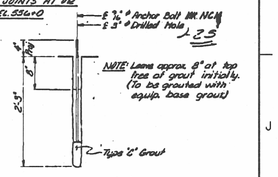


TYPICAL WATER SEAL LOCATION AT ALL EXTERIOR WALL CONST. JOINTS AT OR BELOW EL. 556±0



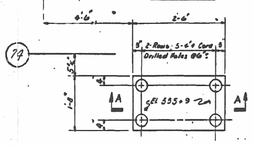
TYPICAL WATER SEAL DETAILS

Scale: None



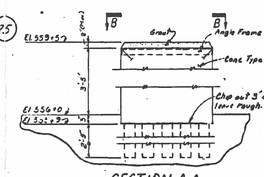
DETAIL 'A'

Scale: ¾"=1'-0"



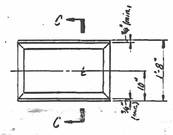
SECTION A-A

Scale: ¾"=1'-0"



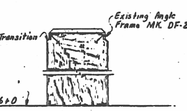
SECTION B-B

Scale: ¾"=1'-0"



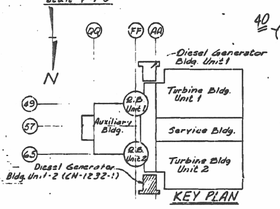
SECTION C-C

Scale: ¾"=1'-0"



DETAIL C

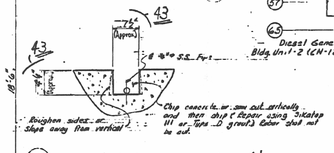
Scale: ¾"=1'-0"



KEY PLAN

SECTION D-D

Scale: 1"=1'-0"



DETAIL 'B'

Scale: 1"=1'-0"

Note A

The Field has the option to cut noted anchor bolts flush with concrete. Repair concrete per appropriate maintenance procedure.

GENERAL NOTES

1. All concrete shall conform to Duke Power Specification CN1109.00-1, Revision 4 dated 1-28-76). For all pours below El. 591+0 mix A1 or A2 shall be used at the field engineers option. For all pours beginning at or above El. 591+0 mix B1 or B2 shall be used.
2. Water Seals are abbreviated "WS".
3. All corners shall have a ¾" chamfer.
4. All floor surfaces to be trowel finished.
5. Numerical portion of the section marks correspond to the drawing number on which the section can be found, in the same series.
6. All shear keys shall be as detailed Typ. Shear Key Detail this drawing.
7. Water Seals shall be installed per Details, this drawing.
8. Before placing any concrete in a pour that has a water seal embedded in it, the entire water seal shall be checked to insure that it is securely held in the wooden form to prevent any damage or slippage during the placement of concrete.
9. All water seals embedded halfway in an initial concrete pour shall be cleaned to remove all mortar splatter, dirt, and other foreign matter before the adjacent concrete pour is made.
10. The entire surface area of all construction joints shall be clean, free of laitance, and left rough.
11. PVC waterseals shall be spliced as detailed in Detail 'A' shown on drawing CN 1232-1.
12. All grout used in equipment installation shall be Type 'E' as per Duke Power Specification CNS 1109.00-00-0001, Rev. 3, dated July 23, 1979.
13. Concrete shall be left rough under all equipment bases.
14. All anchor bolt sleeves shall be filled with grout after equipment installation.
15. All concrete layouts and dimensions are identical in the east and west Diesel Rooms. For clarity, concrete dimensions are given only in the west Diesel Room, with regard to corresponding numbers. Likewise, anchor bolt locations, anchor bolt mark numbers, and miscellaneous steel mark numbers are given only in the east room but apply to both the east and west Diesel Rooms.
16. All anchor bolts without mark numbers will be furnished by Calvert. (See drwgs. CNM-1201.00-1 thru 5).
17. Undimensioned slope lines may be field selected.
18. Nuts for all Duke Fabricated ASTM A36 and AISI 4340 anchor bolts shall be tightened down as follows:
   a) For anchor bolts used in a sliding type connection (utilizing friction free bearing pads such as Fluorogal), the nut shall be "finger" tightened until the nut contacts the base plate of the equipment that is being mounted.
   b) For all other anchor bolts (other than those in a sliding type connection), the nut shall be finger tightened until it makes contact with the base plate, then it shall be tightened another ½ turn.
19. Mating worm gear shall be spaced as directed on dwg. CN-1232-4, bidding inspection is not required for these gear boxes.
20. All Construction Joints are optional at Field Engineers discretion.
21. Chipped area beneath bases are to be grouted flush with the finished floor.
22. The Field has the option to raise the top of roof slab @ El. 594+0 to El. 594+8¼ to maintain 2" clear cover on reinforcing steel.
23. Stairs and platforms to be anchored to the floor with HH 1222 expansion anchors; per Y.H. # 82-92.
24. Grout is to fill the entire void between the bearing area of the base plate and the supporting concrete. Any shoulder beyond the base plate area and any chamfer at the top of grout is to be ordered at the discretion of the field engineer. For equipment base plates having interior compartments which may require grout fill, consult manufacturer's documentation to determine if these compartments are to be filled with grout.

GENERAL NOTES: (CONT.)

25. Excess embedded anchor bolt material may be saw cut after the equipment is final set, with the prior approval of the Field Engineer. A minimum of ¾" of bolt must project above the nut after cut off.
26. Construction has the option not to chip the concrete under the Fuel Oil Day Tanks in the Non-Bearing Areas.

REFERENCES DRAWINGS

Vendors Diesel Setting Plan & Details	CNM 1301.00-1 thru 5
General Arrangements, Diesel Generator Bldg.	CN 1200-14.1 thru 14.4
Floor and Equipment Drains	CN 1220-32
Miscellaneous Steel	CN 1220-22 thru 30
Groundwater Drainage System	CN 1220-112
Powerhouse Excavation	CN 1023-142
Structural Steel Stairs	CN 1220-15, 16, 17
Concrete Plans	CN 1232-1 & 2
Concrete Sections	CN 1232-3 thru 9
Reinforcing Plans	CN 1232-10 & 11
Reinforcing Sections	CN 1232-11 sheets 3, 4, CW-123-16
Anchor Bolt D/M sheets	CN 1232-1A & 1B
Vendors Sump Pump Dwgs	CNM 1203.00-3a
Door Group	CW-1899-01
Hatch Covers, Conc. & Paint	CN 1013-182
Intake Modification	CN-1232-16
Exhaust Modification	CN-1231-18

MATERIALS

ITEM NO.	DESCRIPTION	SUPPLIER
1120.01-1	Embedded Floor Drains	Bristol Metal
1128.00-01-0001	Embedded Unistrut	Duke Power
1109.00-1	9" PVC Water Seals	Sof-Tex Grip
1134.00-00-0042	Misc. Steel as detailed on CN 1220-32	Duke Power
1196.00-01-0079	Anchor Bolts	Duke Power
1168.01-2	Ladder Rungs	Foundry Sales

LEG. CERT-FULL SIZE ONLY

Q.A. CONDITION 1

Pour No.	Civil	Mechanical	Electrical
M201, M202, M205, & M206	CN 1232-3, CN 1232-3-A, CN 1232-14 & 14A, CN 1220-23 thru 25, CN 1084-1, 2 & C1, CN 1080-1, CN 1200-14.1, CNM 1201.00-1 thru 5.	None	CW 2899-014-03
M208, M206, & M207	"	"	None

NUCLEAR SAFETY RELATED

DUKE POWER COMPANY

CATAWBA NUCLEAR STATION UNITS 1 & 2

AUXILIARY BUILDING

DIESEL GENERATOR AREA UNIT-2

FLOOR PLAN EL. 556+9

CONCRETE

DESIGNED W. Sproul DATE 6-29-76 | DRAWN [illegible] DATE 6-30-76 | TRACED [illegible] DATE [illegible] | CHECKED [illegible] DATE [illegible]

SCALE 1/8"=1'-0" DWG. NO. CN-1232-1 REV. 44A

D-10

REVISED PER NDs CN-21447/00

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NO.	REVISIONS	DRAWN	CHKD	APPR	DATE
44A	REV PER CN-21447/00	TRL	WHS		10-31-80
ONCE	ORIGINAL DRAWING RETIRED.		MJ		6-1-83

INSPECTED: TRL | BDH | PWG

ERN: CN000220