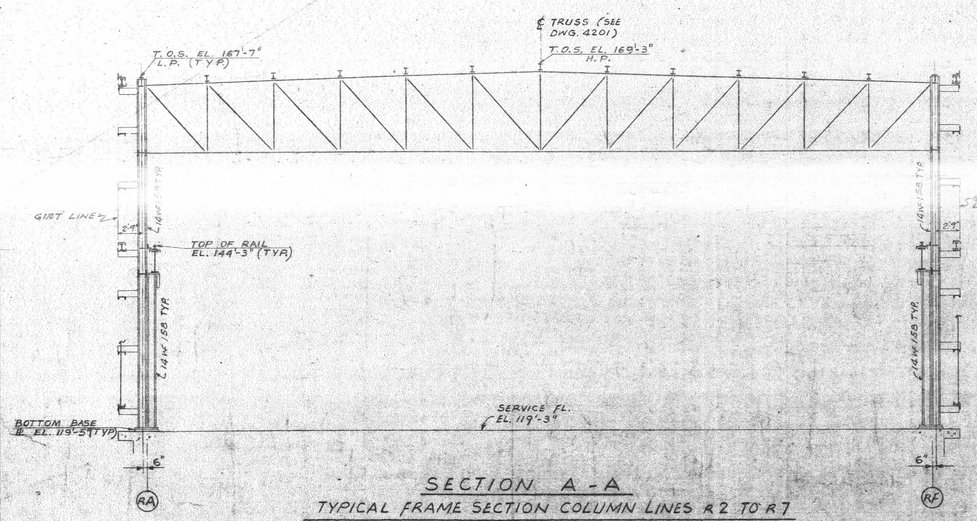
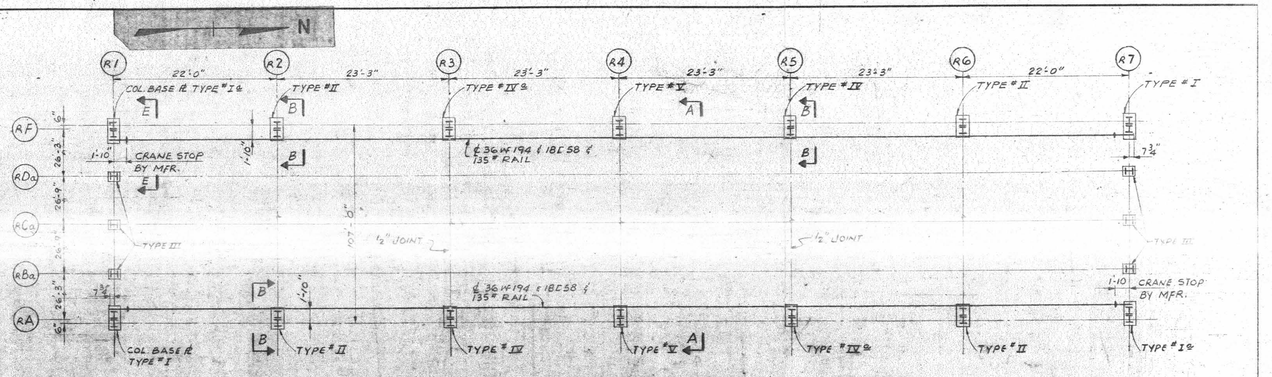
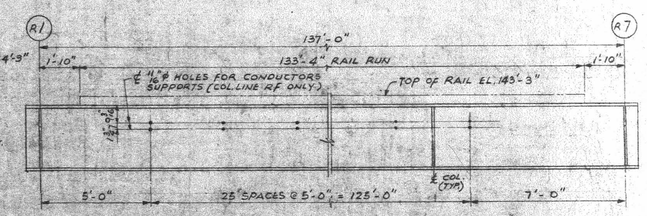


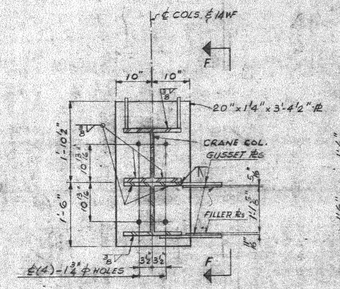
SECTION A-A
TYPICAL FRAME SECTION COLUMN LINES R2 TO R7
SCALE 1/8" = 1'-0"



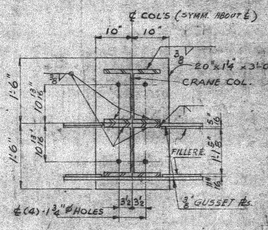
PLAN - CRANE GIRDERS & COL. BASES
SCALE 1/8" = 1'-0"



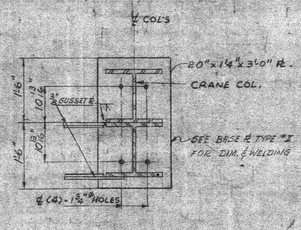
ELEVATION CRANE GIRDER AT COL. LINE (RF)



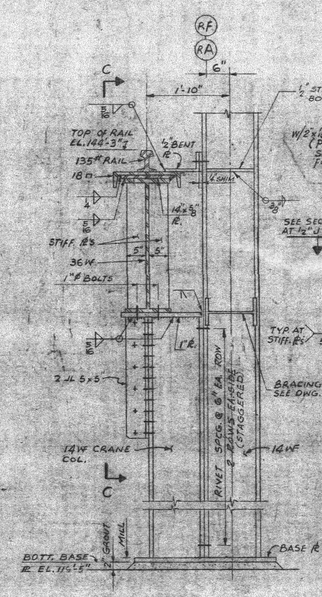
PLAN
℄ COL'S



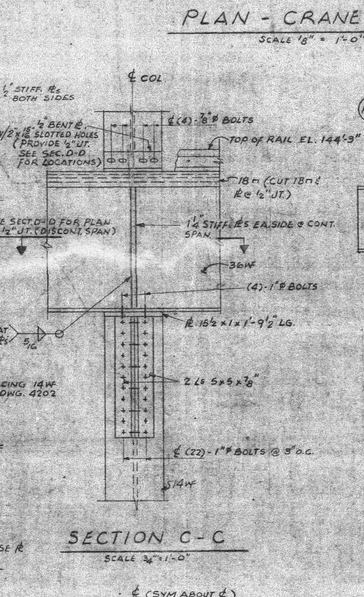
PLAN
℄ COL'S (SYMM. ABOUT ℄)



PLAN

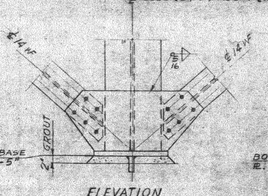


SECTION B-B
SCALE 3/4" = 1'-0"

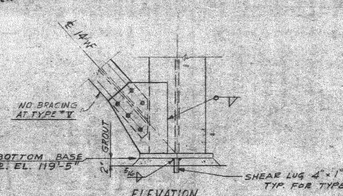


SECTION C-C
SCALE 3/4" = 1'-0"

ELEVATION

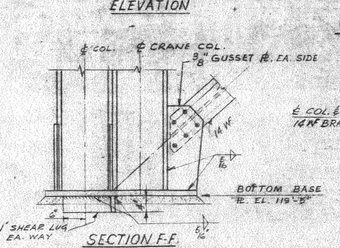


ELEVATION
COLUMN BASE ℝ TYPE "II"

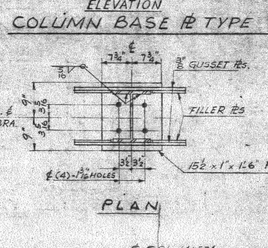


ELEVATION
COLUMN BASE ℝ.
TYPE "IV" AS SHOWN
TYPE "IV a" OPP. HAND
TYPE "V" (NO BRACING)

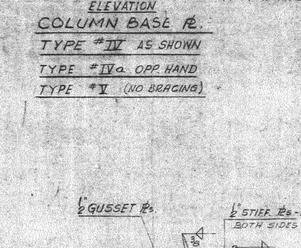
SECTION D-D
SCALE 3/4" = 1'-0"



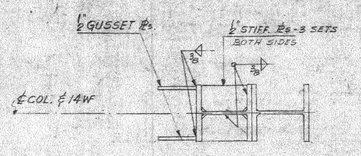
SECTION F-F
COLUMN BASE ℝ.
TYPE "I" AS SHOWN
TYPE "Ia" OPP. HAND



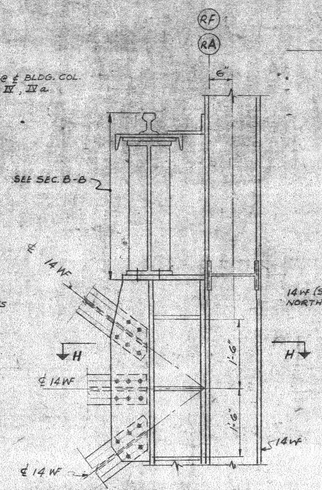
PLAN



ELEVATION
COLUMN BASE ℝ. TYPE "III"



SECTION H-H



SECTION E-E
AT COL. LINES (R1) & (R7) ONLY (TYP.)
SCALE 3/4" = 1'-0"

GENERAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. SPEC. A36, LATEST EDITION AND SHALL BE IN ACCORDANCE WITH THE A.I.S.C. SPEC. FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BLDGS, ADOPTED APRIL 17, 1963.
2. ALL BEAM CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE "FRAMED BEAM CONNECTIONS" USING 15/16" ℔ HOLES, FOR SHOP CONN'S USE 7/8" ℔ RIVETS, FOR FIELD CONN'S USE 7/8" ℔ HIGH STRENGTH BOLTS (BEARING TYPE CONN'S. WITH THREADS EXCLUDED FROM SHEAR PLANE.
3. ALL WELDING SHALL CONFORM TO THE A.W.S. STANDARD CODE FOR ARC & GAS WELDING FOR BLDG. CONSTRUCTION LATEST EDITION.
4. THE SUBCONTRACTOR SHALL REFER TO ARCH. DWG. 4522 FOR DOOR FRAME DETS.
5. ALL GUSSET ℝS TO BE 3/8 THICK MIN. UNLESS OTHERWISE NOTED.
6. ALL HIGH STRENGTH BOLTS SHALL BE BEARING TYPE & SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A 325 LATEST EDITION.
7. BOTTOM OF ALL COLUMNS & BEARING STIFFENERS TO BE MILLED.
8. ALL WIDE FLANGE BRACING CONNECTIONS SHALL BE DESIGNED FOR THE STRESSES INDICATED. ALL OTHER BRACING CONNECTIONS SHALL BE DESIGNED FOR THE STRESS INDICATED BUT NOT LESS THAN 50% OF THE MEMBER CAPACITY USING A MIN. OF 2-3/4" ℔ H.S. BOLTS OR RIVETS.
9. ALL GROOVE WELDS TO BE COMPLETE PENETRATION WELDS TO FULLY DEVELOP THE CONNECTED PARTS.
10. ROOF LIVE LOAD = 30 P.S.F.
11. ALL TRUSS CONNECTIONS SHALL BE RIVETED USING 15/16" ℔ HOLES, FOR SHOP CONNECTIONS USE 7/8" ℔ RIVETS, FOR FIELD CONNECTIONS USE 7/8" ℔ HIGH STRENGTH BOLTS BEARING TYPE CONNECTIONS WITH THREADS EXCLUDED FROM SHEAR PLANE. ALL GUSSET ℝ'S IN TRUSS CONNECTIONS TO BE 3/8" THICK MIN., UNLESS OTHERWISE NOTED.
12. MNCR 98-0011 IDENTIFIED THAT SOME REACTOR BUILDING MISCELLANEOUS PLATFORM CONNECTIONS ARE MADE WITH UNMARKED SQUARE HEAD ASTM A307 BOLTS.

2

ENG. DES. CLEARED BY	ELEC. ENG.	MECH. ENG.	CIVIL ENG.	
DATE			7/20/65	
CH. DRAFTS REV. BY			O.G. Tillman	

REV. NO.	REVISION	BY	CHKD.	APP.	DATE
1.	REVIEWED FOR "AS BUILT" CONDITIONS	S.B.		D.D.	5/5/70
2.	ECDC206829	NAC	DJA		3/11/98

GENERAL ELECTRIC COMPANY
ATOMIC POWER EQUIPMENT DEPT.
SAN JOSE, CALIFORNIA

BURNS AND ROE, INC.
ENGINEERS AND CONSTRUCTORS
NEW YORK, N.Y.

REACTOR BUILDING
COLUMN AND CRANE GIRDER DETAILS

JERSEY CENTRAL POWER & LIGHT CO.
OYSTER CREEK STATION-UNIT #1

DRAWN BY W.W.C.	SQUAD LEADER R.E. Palm
TRACED BY	DATE 7-21-65 SCALE AS NOTED
CHECKED BY A.M.	

APPROVED FOR CONSTRUCTION
R.A. Thurgood
E.P. Kummerle for
CHIEF CIVIL ENGINEER

W.O. 2299
DWG. 4200-2

AS BUILT

D-1