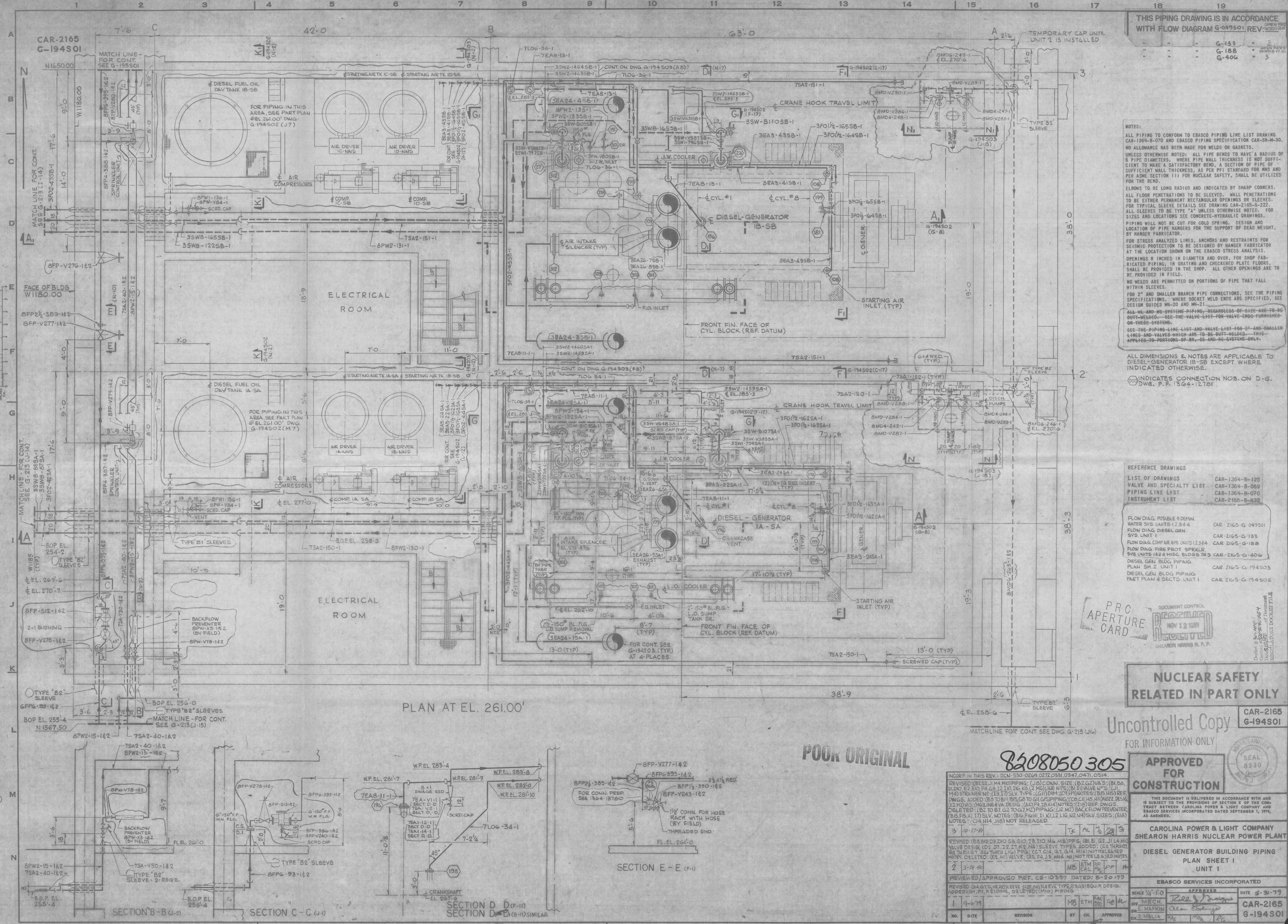




THIS PIPING DRAWING IS IN ACCORDANCE WITH FLOW DIAGRAM G-049501 REV. 3

G-133	2
G-188	3
G-406	3

NOTES:

ALL PIPING TO CONFORM TO EASCO PIPING LINE LIST DRAWING CAR-1364-B-070 AND EASCO PIPING SPECIFICATION CAR-SH-N-30. NO ALLOWANCE HAS BEEN MADE FOR WELDS OR GASKETS.

UNLESS OTHERWISE NOTED: ALL PIPE BENDS TO HAVE A RADIUS OF 5 TIMES PIPE DIAMETER. WHERE PIPE WALL THICKNESS IS NOT SUFFICIENT TO MAKE A SATISFACTORY BEND, A SECTION OF PIPE OF SUFFICIENT WALL THICKNESS, AS PER PIPE STANDARD FOR NPS AND PER ASME SECTION III FOR NUCLEAR SAFETY, SHALL BE UTILIZED FOR THE BEND.

ELBOWS TO BE LONG RADIUS AND INDICATED BY SHARP CORNERS.

ALL FLOOR PENETRATIONS TO BE SLEEVED. WALL PENETRATIONS TO BE EITHER PERMANENT RECTANGULAR OPENINGS OR SLEEVES. FOR TYPICAL SLEEVE DETAILS SEE DRAWING CAR-2165-G-222. ALL SLEEVES TO BE TYPE "A" UNLESS OTHERWISE NOTED. FOR SIZES AND LOCATIONS SEE CONCRETE-HYDRAULIC DRAWINGS.

PIPING WILL NOT BE CUT FOR COLD SPRING. DESIGN AND LOCATION OF PIPE HANGERS FOR THE SUPPORT OF DEAD WEIGHT, BY HANGER FABRICATOR.

FOR STRESS ANALYZED LINES, ANCHORS AND RESTRAINTS FOR SEISMIC PROTECTION TO BE DESIGNED BY HANGER FABRICATOR AT THE LOCATION SHOWN ON THE EASCO STRESS ANALYSIS.

OPENINGS 8 INCHES IN DIAMETER AND OVER, FOR SHOP FABRICATED PIPING, IN GRATING AND CHECKERED PLATE FLOORS, SHALL BE PROVIDED IN THE SHOP. ALL OTHER OPENINGS ARE TO BE PROVIDED IN FIELD.

NO WELDS ARE PERMITTED ON PORTIONS OF PIPE THAT FALL WITHIN SLEEVES.

FOR 2" AND SMALLER BRANCH PIPE CONNECTIONS, SEE THE PIPING SPECIFICATIONS. WHERE SOCKET WELD ENDS ARE SPECIFIED, SEE DESIGN GUIDES M-20 AND M-21.

ALL WELD AND WELD SYSTEMS, REGARDLESS OF SIZE, ARE TO BE BUTT-WELDED. SEE THE VALVE LIST FOR VALVE ENDS FURNISHED ON THESE SYSTEMS.

SEE THE PIPING LINE LIST AND VALVE LIST FOR 2" AND SMALLER LINES AND VALVES WHICH ARE TO BE BUTT-WELDED. THIS APPLIES TO PORTIONS OF BR, GS AND RG SYSTEMS ONLY.

ALL DIMENSIONS & NOTES ARE APPLICABLE TO DIESEL GENERATOR IB-SB EXCEPT WHERE INDICATED OTHERWISE.

INDICATES CONNECTION NOS. ON D.G. DWS. P.F. 1364-12781

REFERENCE DRAWINGS

LIST OF DRAWINGS	CAR-1364-B-125
VALVE AND SPECIALTY LIST	CAR-1364-B-069
PIPING LINE LIST	CAR-1364-B-070
INSTRUMENT LIST	CAR-2165-B-432

FLOW DIAG. POTABLE & DEMIN. WATER SYS. UNITS 1,2,3,4	CAR-2165-G-049501
FLOW DIAG. DIESEL GEN. SYS. UNIT 1	CAR-2165-G-133
FLOW DIAG. COMP. AIR SYS. UNITS 1,2,3,4	CAR-2165-G-158
FLOW DIAG. DIESEL GEN. BLDG. SYS. UNITS 1&2, 3&4, 5&6, 7&8	CAR-2165-G-406
DIESEL GEN. BLDG. PIPING PLAN SH. 2 UNIT 1	CAR-2165-G-194503
DIESEL GEN. BLDG. PIPING PART PLAN & SECTS. UNIT 1	CAR-2165-G-194502

NUCLEAR SAFETY RELATED IN PART ONLY

Uncontrolled Copy FOR INFORMATION ONLY

APPROVED FOR CONSTRUCTION

THIS DOCUMENT IS DELIVERED IN ACCORDANCE WITH AND IS SUBJECT TO THE PROVISIONS OF SECTION X OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND EASCO SERVICES INCORPORATED DATED SEPTEMBER 1, 1979, AS AMENDED.

CAROLINA POWER & LIGHT COMPANY SHEARON HARRIS NUCLEAR POWER PLANT

DIESEL GENERATOR BUILDING PIPING PLAN SHEET 1 UNIT 1

EASCO SERVICES INCORPORATED

SCALE 1/4"=1'-0" APPROVED DATE 8-31-79

NO.	DATE	REVISION	BY	CH.	APPROVED
1	9-7-79		MB	ETM	AL

CAR-2165 G-194501

POOR ORIGINAL

8208050305

SECTION E-E (F-1)

SECTION D-D (F-1)

SECTION B-B (J-2)

SECTION C-C (J-1)