

CRITERIA FOR ESTABLISHING SPACING & LOADS FOR SEISMIC
CONDUIT SUPPORTS

D. THE ALLOWABLE LOADS FOR U-BOLT TYPES ARE SHOWN BELOW.

E. WITHIN AN AREA ENCLOSED BY LOAD BEARING WALLS WITH INTERIOR LENGTH 'a' AND WIDTH 'b', THE AREAS $a \times \frac{b}{2}$ AND $b \times \frac{a}{2}$ ARE DEFINED AS SEISMIC SUPPORT ZONE I. THE REMAINING AREA $\frac{a}{2} \times \frac{b}{2}$ IS DEFINED AS ZONE II - SEE FIG. 3.

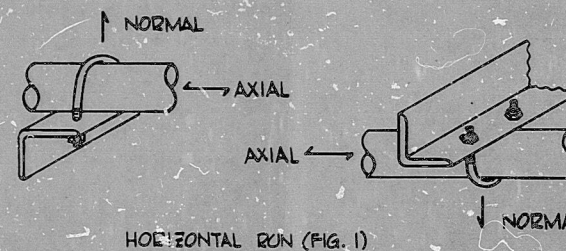
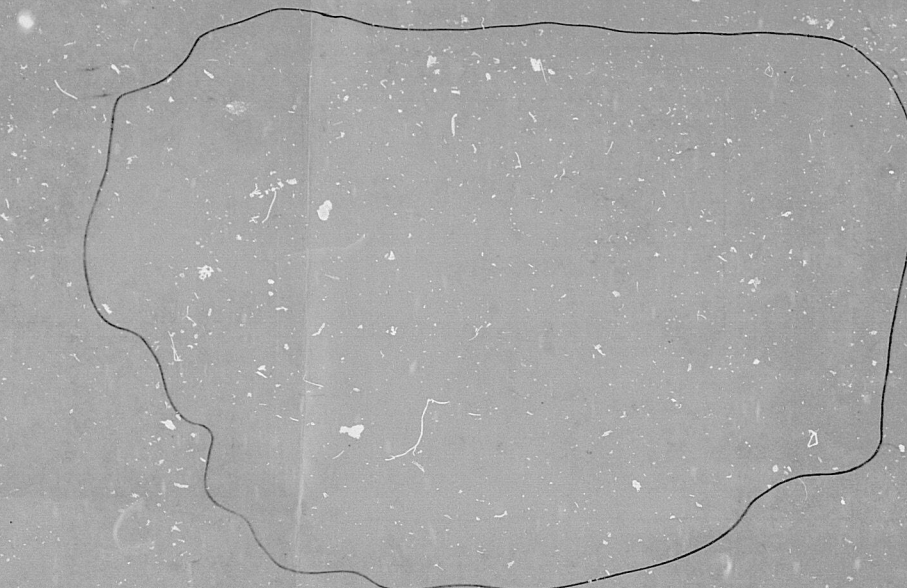
MAX. LOADS FOR CONDUIT STRAPS (LBS) SAFETY FACTOR = 3
U-BOLTS IN ACCORDANCE WITH SPEC 503 ATTACHMENT # 4

CONDUIT SIZE	U-BOLT TYPE FIG 1 OR 2	U-BOLT TORQUE* FT-LBS	NORMAL	AXIAL
1/2"	B501-1/2	11	1159	366
3/4"	B501-3/4	11	1291	628
1"	B501-1	11	1876	1047
1 1/4"	B501-1 1/4	11	2484	1360
1 1/2"	B501-1 1/2	11	2428	1413
2"	B501-2	19	2760	1539
2 1/2"	B501-2 1/2	19	2649	1571
3"	B501-3	19	3367	1696
3 1/2"	B501-3 1/2	19	3643	1759
4"	B501-4	19	4084	1885
5"	B501-5	45	4912	2010
6"	B501-6	45	5133	2157

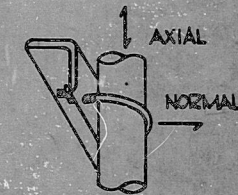
* TORQUE TOLERANCE ± 2 FT-LBS (PER NEMA & B-LINE TEST DATA)

F. CONTRACTOR MAY CONNECT TO BUILDING STEEL THE TYPICAL SUPPORTS AS SHOWN ON SHEETS 55-9, -10, -11, -13 AND 55-16 THRU -22 USING CONNECTION DETAILS AS SHOWN ON SHEETS 55-4, -5, -6, -7 AND -8.

G. ALL STEEL SIZE THICKNESSES AS SHOWN ON THE FABRICATION DETAILS SHALL BE CONSIDERED AS THE MINIMUM THICKNESS REQUIRED.



HORIZONTAL RUN (FIG. 1)



VERTICAL RUN (FIG. 2)

PRC
APERTURE
CARD

THIS SHEET IS FOR SEISMIC APPLICATIONS IN RAB AND FHB ONLY.

DCN-ED 94.106 PCP 350-4941
INCORPORATED IN REV 3

NUCLEAR SAFETY RELATED

WPPSS QUALITY CLASS I, II & G

REV.	DATE	BY	APPROVED	DATE
5				
4				
3	5-7-82	SP	[Signature]	
2	2-17-81	SP	[Signature]	
1	8-22-80	EM	[Signature]	
				APR 10, 1979

EBASCO SERVICES INCORPORATED

DIV. ELEC. OR. FDB
CH. F. D. BEANE

DATE APR 10, 1979

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM
NUCLEAR PROJECTS NO. 3 & 5
GENERAL NOTES, SYMBOLS AND
REFERENCE DRAWINGS

WPPS-3240
D-5023
SHEET 15-2

RIDS

8303210292

