

24. PULL BOX SIZING CRITERIA

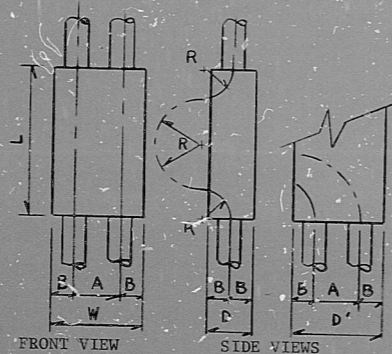
24.01 BOXES SHALL UTILIZE STANDARD DIMENSIONS AS SHOWN ON SHEET 46 AND SHALL BE SIZED IN ACCORDANCE WITH FIGURE 1 OR 2, BASED ON THE TYPE OF PULL REQUIRED (STRAIGHT OR ANGULAR), THE MINIMUM BENDING RADIUS OF THE CABLE, AND THE SIZE AND ARRANGEMENT OF THE CONNECTING CONDUITS.

24.02 THE FOLLOWING SHALL BE UTILIZED IN CONJUNCTION WITH THE FORMULAS SHOWN IN FIGURES 1 AND 2.

LEGEND:

- A - TOTAL DISTANCE BETWEEN OUTSIDE CONDUITS. REFER TO TABLE B FOR CONDUIT SPACING.
- B - TOTAL DISTANCE FROM CENTER LINE TO EDGE OF BOX. REFER TO TABLE B.
- D - TOTAL DEPTH OF BOX.
- L - TOTAL LENGTH OF BOX.
- R - BENDING RADIUS OF LARGEST CABLE IN BOX. REFER TO TABLE C, SHEET 2C.
- W - TOTAL WIDTH OF BOX.

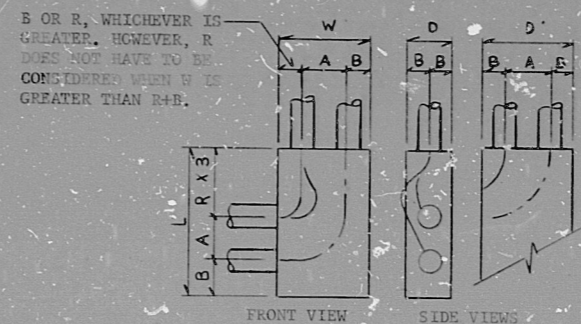
FIGURE 1  
STRAIGHT PULL



BOX DIMENSIONS  
 $L = R \times 4$   
 $W = A + B$   
 $D = 2R$  (FOR ONE ROW OF CONDUITS)  
 $D = A + 2R$  (FOR TWO OR MORE ROWS OF CONDUITS)

24.02 (CONT'D)

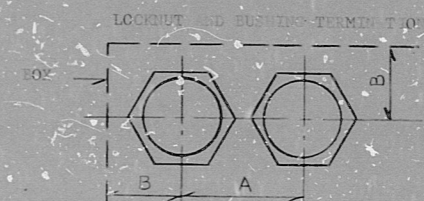
FIGURE 2  
90 DEGREE PULL



BOX DIMENSIONS:

$L = R \times 3 + A + B$   
 $W = A + B$   
 $D = 2R$  (FOR ONE ROW OF CONDUITS)  
 $D = A + 2R$  (FOR TWO OR MORE ROWS OF CONDUITS)

TABLE B  
MINIMUM CONDUIT SPACING



SIZE INCHES	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4	5	6
1/2	A 1-1/2 B 3/4											
3/4	A 1-1/2 B 1	1-3/4										
1	A 1-3/4 B 1	1-3/4	2									
1-1/4	A 2 B 1-1/4	2	2-1/4	2-1/2								
1-1/2	A 2-1/4 B 1-1/2	2-1/4	2-1/2	2-3/4	2-3/4							
2	A 2-1/2 B 1-3/4	2-1/2	2-3/4	3	3-1/4	3-1/2						
2-1/2	A 2-3/4 B 2	2-3/4	3	3-1/4	3-1/2	3-3/4	4					
3	A 3 B 2-1/2	3-1/4	3-1/2	3-3/4	4	4-1/4	4-1/2	5				
3-1/2	A 3-1/2 B 3	3-3/4	3-3/4	4	4-1/4	4-1/2	5	5-1/4	5-1/2			
4	A 3-3/4 B 3-1/4	4	4-1/4	4-1/2	4-1/2	4-3/4	5-1/4	5-1/2	6	6-1/4		
5	A 4-1/2 B 3-3/4	4-1/2	4-3/4	5	5-1/4	5-1/2	5-3/4	6-1/4	6-1/2	6-3/4	7-1/4	
6	A 5 B 4-1/4	5	5-1/4	5-1/2	5-1/2	6	6-1/4	6-1/2	7	7-1/4	7-3/4	8-1/2

NOTE: THE ABOVE TABULATION IS BASED ON 1/8" AS THE SMALLEST FRACTION USED FOR LOCATING CONDUITS.

PRC  
APERTURE  
CARD

NUCLEAR SAFETY RELATED

WPPSS QUALITY CLASS II & G

5			
4			
3			
2			
1			
REV.	DATE	BY	APPROVED

EBASCO SERVICES INCORPORATED

DIV. ELEC. DR. 112  
CH. 2 THOMAS

DATE FEB 17 1982

APPROVED  
L. C. Gonzalez / B  
L. Martinez

WASHINGTON PUBLIC POWER  
SUPPLY SYSTEM  
NUCLEAR PROJECTS NO. 3 & 5  
BOX DETAILS  
NOTES

WPPS-3240

D-5033

SHEET 2B

RIDS

8303290678

