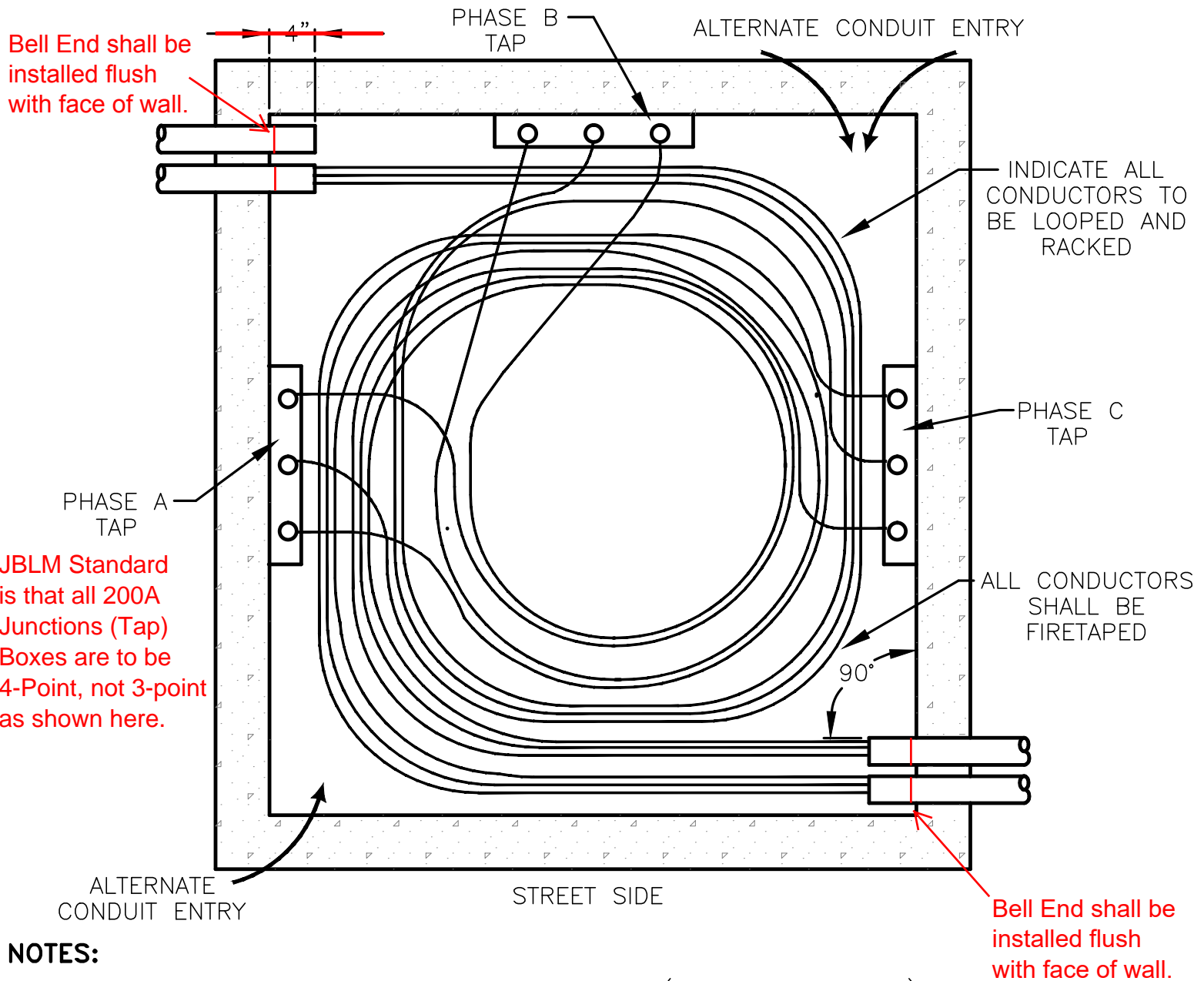


TYPICAL MOUNTING IN CONCRETE JUNCTION BOX FOR 1 TO 3 PHASE DISTRIBUTION



DRAWING TITLE:
UNDERGROUND DISTR -URD
LOADBRK JUNC TAP, 200A, 15kV
3&4 BUSHING-TYP INSTALLATION

I.J.O. NO.: DEU001324J	SCALE: NONE
SPEC. NO.:	DATE: 4/7/97
FILE NO.:	SHT. NO.: 1 OF 2
PLATE NO.: CUG-3.1	

LOADBREAK TAPS – ~~3 AND 4~~ POSITION

Source tap should be furthest left bushing (tap). Continuation of circuit on furthest right bushing (tap).


1. ^{Lateral} Taps normally are made off centermost one or two bushings. Unused bushings must be covered at all times by an insulating cap, grounded with sufficient wire to permit easy removal. Allow sufficient cable length, (1 1/2 loops), to reach all tap bushings, on all walls, without strain. Neatly coil all conductors as shown on Page 1. **360° Loop, minimum.**
2. Avoid any close looping which tend to lift elbows from the bushings. Arrange cables, so that taps may be lifted without being fouled by others.
3. ~~Peel, clamp and crimp (with copper connectors), each concentric wire to the interior copper ground wire hung near vertical midpoints and against each wall.~~
Extend Copper Tape Shield (CTS) braided copper ground strap (extended with #6 Green Insulated copper wire if necessary)
Tie one bolt of each tap bracket to harness with copper jumper.
4. CABLE MARKING – All cables shall be labeled ~~near end with 1/4" horizontally embossed characters on 1/2" wide red DYMO type plastic tape. Length must allow for linearly securing ends of label to cable with plastic electrical tape. Marking shall be in the following sequence:-~~
- ~~a) PULS designator of subject item~~
 - ~~b) Slash,~~
 - ~~c) PULS designator of source or destination item,~~
 - ~~d) Phase letter if required. Phase marking to be applied over concentric strands.~~
- Label Cables in accordance with current JBLM naming standards.**

Junction (Tap) Boxes

~~EXAMPLE: 8890T/8892TA or 8890T/8888J (or JT)A)~~

5. Stainless steel or ~~galvanized assembly~~ with dust covers over tapered female bushings. Accessory pockets provide parking for standoff insulator and/or storage bushing when needed. Dust cap does NOT provide electrical protection. Insulated grounded cap is required. Bracket mounting bolts are normally *15" below top edge of junction box, and centered on wall of box. (15" to center of insert) Center-to-center bolt spacings on 4-bushing brackets are 17" and 18 1/2". Mark phase on each tap as shown on Page 1.

*** 15" ok for use with 687LA vault but needs to be lower due to increased dimension from edge of hatch to wall on a 776LA vault.**

			
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I.J.O. NO.: DEU001324J		SCALE: NONE	
SPEC. NO.:		DATE: 4/7/97	
FILE NO.:	SHT. NO.: 2 OF 2	PLATE NO.: CUG-3.2	

SYMBOL	REVISION	DATE	APPROVAL