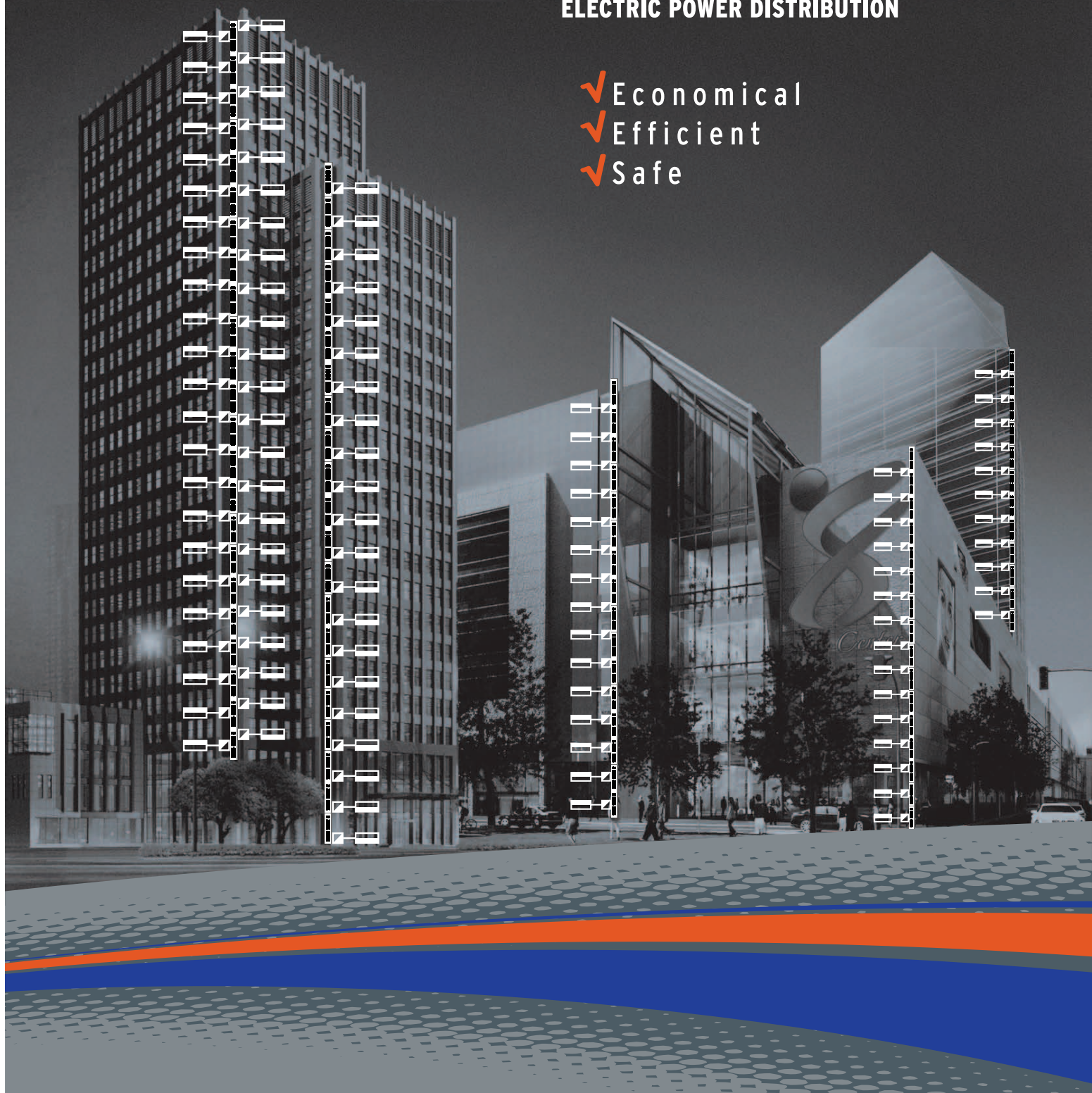




ELECTRIC POWER DISTRIBUTION

- ✓ Economical
- ✓ Efficient
- ✓ Safe





ELECTRIC POWER DISTRIBUTION

- ✓ Feeder and plug-in busducts
- ✓ Bolted or plug-in tap box
- ✓ Permanent and safe Joints
- ✓ Double insulation

ESPECIFICATIONS

- VOLTAGE:

CONDUCTOR:

INSULATION:

BARS SUPPORTS:

DUCTC:

JOINTS:
- 600V.Max 3 PH+N+G (optional 25%)

Aluminum alloy 6101-T64. Resistance at 20° C: 13,8 microhms/sq in/ft. 61% IACS. Electrolytic copper, 97,4% IACS. Resistance at 20° C: 8,3 Microhms/ sq in/ft.

Polyester layer. Dielectric withstand: 25 KV/mm. Resistance 2X10(15) Ohm/cm. Temp. resistance: 130°C.

Glass-filled polyester. Dielectric withstand: 19 KV/mm. Tensile strength: 130Kg/cm2. Heat retardant

Sheet steel MSG # 16, finished with electrostatic epoxy pain.

Bus bars are Tin plated at all joints, per UL-857 std. Heat-shrinkable Tubing covers the bolted joint



PLUG-INS EVERY 3FT IN BOTH SIDES

STANDAR PRODUCT

DUCT SECTION (mm)	BARS P/PH	BARS SECTION	ALUMINUM		COOPER	
			VENT.	NON VENT.	VENT.	NON VENT.
305 X 88	1	1/4" X 1"	250 Amp	250 Amp	250 Amp	250 Amp
305 X 100	1	1/4" X 1 1/2"	400	---	400	400
305 X 113	1	1/4" X 2"	500	400	600	600
305 X 138	1	1/4" X 3"	600	600	---	---
305 X 88	2	1/4" X 1"	---	---	800	---
305 X 100	2	1/4" X 1 1/2"	800	---	1.000	800
305 X 113	2	1/4" X 2"	1.000	800	1.350	1.000
305 X 126	2	1/4" X 2 1/2"	---	---	1.600	---
305 X 138	2	1/4" X 3"	1.350	1.000	2.000	1.200
305 X 197	4	1/4" X 1 1/2"	1.600	---	2.300	1.350
305 X 223	4	1/4" X 2"	2.000	1.200	2.500	1.600
305 X 247	4	1/4" X 2 1/2"	---	1.350	3.000	---
305 X 273	4	1/4" X 3"	2.500	1.600	---	2.000
305 X 197	8	1/4" X 1 1/2"	3.000	2.000	4.000	2.500
305 X 223	8	1/4" X 2"	4.000	2.500	5.000	3.000
305 X 247	8	1/4" X 2 1/2"	---	---	6.000	---
305 X 273	8	1/4" X 3"	5.000	3.000	6.500	4.000

VOLTAGE DROP			S-CIRCUIT			WEIGHTS		
(100 m)	• (pf=0,8)		(KA SIM)			(Kg/m)		
A	AL	CU	A	AL	CU	A	AL	CU
250	5,30	---	250	15	14	250	14	--
500	6,60	5,90	500	25	24	500	16	29
800	6,50	5,80	800	37	36	800	17	31
1000	6,50	5,80	1000	45	44	1000	19	34
1350	6,30	5,70	1350	50	50	1350	22	40
1600	6,10	5,50	1600	74	72	1600	35	63
2000	6,10	5,50	2000	90	86	2000	38	68
2400	6,80	6,10	2400	100	110	2400	44	79
3000	5,70	5,80	3000	145	130	3000	70	126
4000	5,70	5,70	4000	180	180	4000	76	137

MANUFACTURING STANDARS

- UL-857
- NEMA BU-1
- COVENIN 3097
- NEC. 364

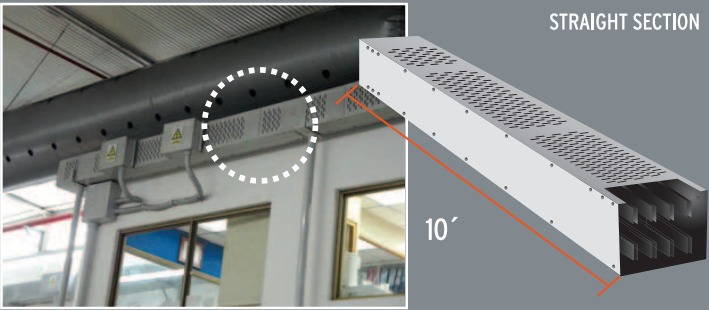
JOINT



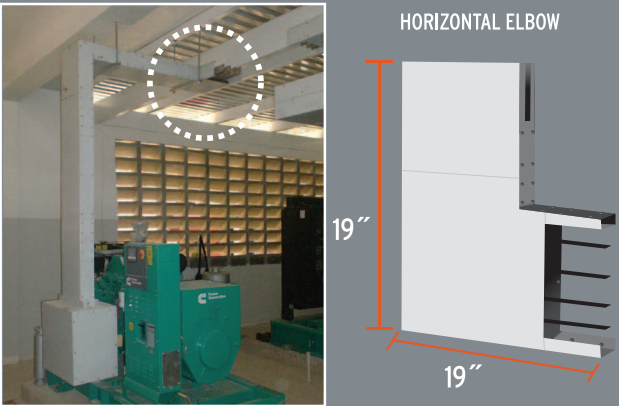
HEAT-SHRINKABLE TUBING COVERS DE BOLTED JOINT

Busduct® PROVIDES TOTALLY INSULATED BUS BAR CONDUCTORS, MAKING IT HIGHLY DUST AND WATER RESISTANT

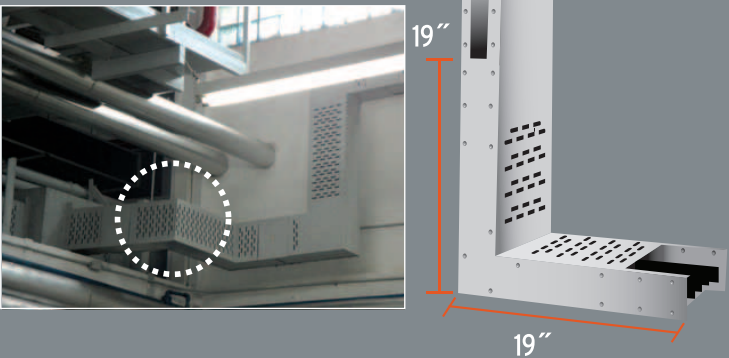
COMPONENTS



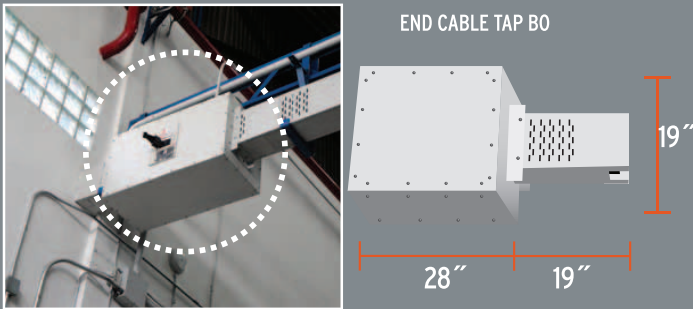
STRAIGHT SECTION



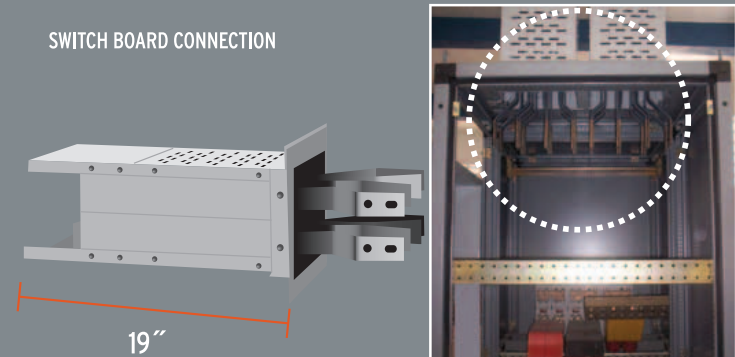
HORIZONTAL ELBOW



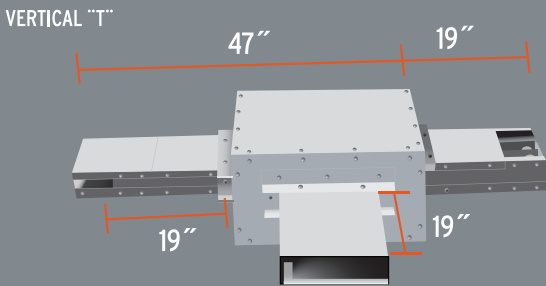
VERTICAL ELBOW



END CABLE TAP BO



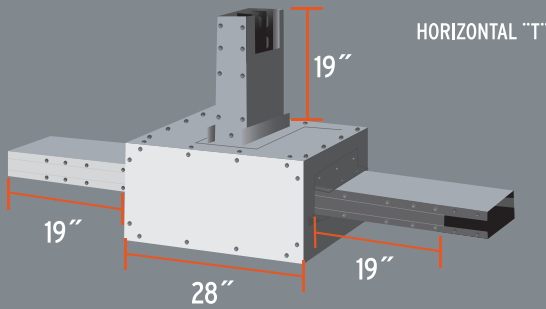
SWITCH BOARD CONNECTION



VERTICAL "T"



PLUG



HORIZONTAL "T"



WEB: www.powerbusduct.com / E-MAIL: mail@powerbusduct.com