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- 16"
- 100A MEJOR SOCKET
- Install a 10W silhouette control cabinet with mounting pad collar Myers Model MEUGQ-M100C/BS
- UTILITY TEST SECTION
- Install control relay and test switch. SEE DETAIL #E-2
- 12 CIRCUIT COPPER INTERIOR W/100A MAIN BREAKER
- Continuous #8 AWG solid copper bond wire. Fasten under washer
- Install No. 2 or No. 6 pull box. SEE D E-2
- Mounting pad collar with anchor angles (4 sides)
- 2'-0"
- 3/4" TYP
- 6'-0"
- Install (4) 3/8" Ø x 11 anchor bolts with (4) nuts and washers
- Install conduit as required, See Detail B & C on Sheet #E2. Provide proper bonding of metallic conduits per Nec
- 2"
- FRONT
- 20"
- 18"
- 3" MIN
- to SCE
- Bond wire #4 AWG
- 3/4" Ø x 8 No. 7508 Blackourn copper clad grounding rod or equal with ground clamp No. 6541 Copperweld or equal
- SIDE



PANE.: B
LOCAT.: A: EAST END OF BRIDGE
MOUNT.: B: PEDESTAL

VOLTS/PHASE: 120/240V 1Ø 3W
BUS AMPS: 100
MAIN BREAKER: 100A 2P

REMARKS	OUTLETS			WATTS/VA			BR	POLE			WATTS/VA			OUTLETS			REMARKS
	L1Ø	REC	MISC	A	B	CKT		A	B	CKT	A	B	L1Ø	REC	MISC		
EAST SIDE SOUTH	22			1485	X	1-	20/2	20/2	2-	1455	X		26			EAST SIDE (A)	
				X	1485	3-			4-	X	1755						
EAST SIDE CENTER	29			1968	X	5-	20/2	20/2	6-	1283	X		19			EAST SIDE (A)	
				X	1968	7-			8-	X	1283						
CONTROL CKT.				50	X	9	20/1		10-	X	X						
				X		11			12-	X							

TOTAL ØA = 6581 WATTS 6513
TOTAL ØB = 6481 WATTS 6413
LCL = 2835 WATTS

TOTAL 15897 W/VA @ 240V 1Ø = 6.7 MVA

Technical drawing showing a cross-section of a bridge deck structure. The drawing includes the following components and dimensions:

- 3/8" #16 STAINLESS STEEL HEX HEAD BOLT (TOTAL OF 4)**: Indicated by a leader line pointing to the bolt securing the cover.
- COVER**: The top horizontal plate of the pull box.
- NEOPRENE Gasket**: Indicated by a leader line pointing to the gasket between the cover and the pull box.
- SQUARE HEAD BOLT TACKLED TO PULL BOX**: Indicated by a leader line pointing to the bolt securing the pull box to the deck.
- PULL BOX**: The vertical structure embedded in the deck.
- Dimensions**:
 - 9 1/16"**: Dimension for the width of the pull box top flange.
 - 3/8"**: Dimension for the thickness of the pull box wall.
 - 11"**: Dimension for the height of the pull box.
 - 11"**: Dimension for the width of the concrete deck.

A cross-sectional diagram showing a conduit fitting installed over a structure expansion joint. The diagram includes the following labels and components:

- NEOPREME SLEEVE**: A sleeve that fits over the expansion joint and the conduit.
- COPPER BRAID BONDING BUMPER**: A bumper located at the end of the conduit, used for bonding.
- CONDUIT**: The main pipe through which the cable is run.
- STRUCTURE EXPANSION JOINT**: The joint in the structure that the conduit is passing through.
- STAINLESS STEEL BAND**: A band that secures the conduit fitting to the structure.
- CONDUIT FITTING TO BE CENTERED ON EXPANSION JOINT**: The fitting that connects the conduit sections on either side of the joint.

RAIL

BRIDGE DECK

PULL BOX FLUSH WITH END OF WINGWELL

HING POINT OF BRIDGE FILL

FINISH GRADE

CONDUIT TO BE 4 1/2" DEEP IN AREA OF GUARD RAILING

STRUCTURE WINGWELL

FILL SLOPE

RIG. METAL CONDUIT

Technical drawing of a rectangular plate. The overall height is 2.50". The overall width is 1.75". There are two mounting holes, each with a diameter of .312" and a depth of .500". The distance between the centers of the two holes is 1.25". The text "(2) SLOTS FOR MOUNTING" is written next to the holes.