


NOTES:

- ENCLOSURE SHALL MEET EUSERC REQUIREMENTS.
- FABRICATED FROM 5052 1/8" ALUMINUM.
- INTERIOR SHALL BE FABRICATED FROM 14 GAUGE COLD ROLLED STEEL AND PAINTED WHITE.
- ENCLOSURE SHALL BE ANODIZED AFTER FABRICATION.
- ENCLOSURE SHALL HAVE CONTINUOUS WELDED SEAMS.
- FULL LENGTH DEAD FRONT WITH STAINLESS STEEL HINGE.
- FABRICATED BY A MANUFACTURER CARRYING A UL 508 LISTING.
- ENCLOSURE SHALL HAVE PULL SECTION WITH REMOVABLE STEP.
- FULLY FRAMED SIDE HINGED OUTER DOOR WITH SWAGED CLOSE TOLERANCE SIDES FOR FLUSH FIT WITH TOP DRIP LIP AND CLOSED CELL NEOPRENE FLANGE COMPRESSED GASKETS.
- HINGED DEAD FRONT WITH 1/4 TURN LATCH AND KNURLED KNOBS.
- DEAD FRONT DOOR SHALL BE HINGED ON THE SAME SIDE AS EXTERIOR DOOR AND OPEN A MINIMUM OF 100°.
- REMOVABLE BACK PAN SHALL BE MOUNTED ON 4 WELDED 1/4" STUDS.
- ALL CIRCUIT BREAKERS SHALL BE MOUNTED IN A VERTICAL POSITION, HANDLE UP FOR "ON" HANDLE DOWN FOR "OFF".
- ENCLOSURE SHALL CONSIST OF ABSOLUTELY NO "BOLT-ON" OR "PLUG-IN" CIRCUIT BREAKERS.
- ENCLOSURE SHALL BE COMPLETELY PRE-WIRED IN FACTORY. WIRING WILL BE TO NEMA IIB STANDARDS SHOWING EXTERNAL CONNECTIONS AND EXTERNAL EQUIPMENT.
- ALL BUSSING SHALL BE UL APPROVED COPPER THHN CABLE BUSSING, FULLY RATED.
- THE FUNCTION OF ALL CIRCUIT BREAKERS, SWITCHES & OTHER COMPONENTS AS REQUIRED SHALL BE IDENTIFIED BY LAMINATED ENGRAVED PLASTIC NAMEPLATES WITH MINIMUM 1/4" LETTERS FASTENED WITH MINIMUM OF TWO #4-40 STAINLESS STEEL MACHINE SCREWS.
- WIRING SCHEMATICS WILL BE COMPUTER AIDED DRAFTING AND INCLUDE ALL EXTERNAL EQUIPMENT AND CONNECTIONS PER NEMA IIB.
- AS BUILT FACTORY DRAWINGS SHALL BE ENCLOSED IN CLEAR PLASTIC AND HELD INSIDE THE OUTER DOOR BY WELDED HOOKS.
- MANUFACTURERS WILL BE REQUIRED TO FURNISH INDEPENDENT LABORATORY CERTIFICATION OF METAL PREPARATION AND FINISH AND TO CONFIRM THAT THE OVERALL PRODUCT MEETS THESE SPECIFICATIONS. IF THIS AGENCY WISHES TO WITNESS THIS TESTING, ALL COSTS TO BE PAID BY CONTRACTOR.
- EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 14 GA COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- CONSTRUCTION WILL BE NEMA 3R, RAIN TIGHT.
- ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL.
- NUTS, BOLTS AND SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
- NAMEPLATES WILL BE PROVIDED AS REQUIRED.
- CONTROL WIRING WILL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
- A PLASTIC COVERED WIRING DIAGRAM WILL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- ENCLOSURE WILL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ANODIZE AFTER FABRICATION.

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REV NO.	DATE	BY	APPR	
1	3/06	RAW	AGE	
2	2/07	RAW	AGE	
3	8/08	RAW	AGE	
4	1/15	RAW	CJC	
5	7/18	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: 
 TRAFFIC ENGINEER MANAGER
 APPROVED DATE: 9/1/2021



SERVICE ENCLOSURE
REQUIREMENTS

STANDARD PLAN
NUMBER
T20-41