

9920109 Highway Lighting Materials
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comment: (6-27-13)

992-1.9 & 992-4.1 Shouldn't we be using 'standard units' for temperature in our Specs... FL is no longer metric.

Response: 75°C is a standard UL rating. No changes made.

Rodriguez, Angel

Comment: (6-28-13)

1. Need to reconcile the naming of equipment between the spec. and Index No. 17736. (i.e., Main Disconnect and Service Disconnect).

Response: The specification is referring to the main disconnect on sheet 2 of Index 17504 not Index 17346. The wording "service main disconnect" will be modified on sheet 1 of Index 17504 to "service disconnect" to avoid confusion. No changes made to specification.

2. Need to reconcile 992-1.9.1 and Note 6 of Index 17736 (NEMA 4X vs. NEMA 3R). 25,000 AIC is a 600 volt rating, at 480 volts the ratings are different (14,000, 18,000, 35,000, 65,000, etc.). I would suggest saying "minimum 25,000 AIC", this way there would be no questions.

Response: A NEMA 3R is required on Index 17346. A NEMA 4X is required on Index 17504. The 25,000 AIC rating will be changed to 35,000 min. in the specifications. Change Made.

3. There is no mention of a Control Panel on Index 17736, is this the Underground Cabinet? It is not clear, from the spec (992-1.9.3 Control Panel Main Disconnect) or the Index, what is inside the Control Panel/Underground Cabinet. Is it a distribution panel with a lighting contactor next to it installed in the Underground Cabinet? Anyway, the paragraph does not describe a Main Disconnect, it describes a distribution panel.

Response: These specifications are referring to lighting Index 17504 not the signalization service point on Index 17346. No changes made.

4. What is the rating of the lighting contactor, 30 A., 60 A., 100 A., or as indicated in the Plans?

Response: It should be 480V. Specification will be revised. Change Made.

5. 992-1.9.5 – distribution panels are not specified with number of poles, they are either single phase (2 poles) or three phase (3 poles). What is the rating of the panel?

Response: Will revise to single phase (2 pole). Will show rating as indicated in plans. Change

Made.

6. 992-1.9.5 – distribution panels do not have AIC ratings, the AIC rating is determined by the rating of the breakers used in it. I would describe it as: “Single phase, 600 volts, NEMA 1, with neutral bus and ground bus.”

Response: Will remove AIC rating, 480V is correct for panel rating. Change Made.

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Comment: (7-19-13)

992-1.9.4 - If a contactor is connected across load side of the main breaker as shown in standards, than it should be rated at 480 volts across two phases.

Response: Will revise. Changes made.
