

6760000 CONTROLLER CABINETS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comment: (8-7-14)

Why specify NEMA TS2 only? What about the 170, 2070 and ATC specs?

Response: The specification addresses both NEMA and 170-style cabinets. Model 170 cabinet requirements include those in CALTRANS TEES by reference as well as other features such as the 552 with swing-out rack. See content in article 676-2.3.

The 2070 and ATC controllers evaluated to date at the TERL have all used standard NEMA or 170 cabinets, therefore this cabinet specification only addresses NEMA and 170 controller cabinets. ITS Cabinet standards related to the ATC continue to be developed and adopted by the ATC Joint Committee of ITE, AASHTO, and NEMA. FDOT monitors and participates in these national standards development activities and will likely adopt the cabinet standards related to ATC controllers at some point in the future. However, we believe that it would be premature to do so at this time.

No change.

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Comment: (8-26-14)

Comments from District 4 Palm Beach Construction:

1. Stacy Sasala I am perplexed by a comment... Provide cabinets with front and REAR doors. With PBC, they use Naztec type 5 and 6 single front door for controller cabinets. (PBC purchases Naztec only). There are some 2070 cabinets out there that have doors on both sides, but the techs find them difficult to work with when troubleshooting. I know that many fiberoptic hubsites have multiple doors, but this spec references controller cabinets. I really like the warranty comments they added. The type 5 has 32 rack detection, and the type 6 has the 64 rack detection system.

Response: The requirement for front and rear doors appears in the section for ITS Cabinets. ITS cabinets commonly share the same 334 and 336 cabinet shells used by CALTRANS Type 170 controller cabinets. Type 170 cabinets come with front and rear doors per the CALTRANS TEES standard. However, other features required for ITS cabinets, such as internal wiring and configuration differ significantly from a standard Type 170 controller cabinet. The articles in the specification related to ITS cabinets were previously contained in Section 785 and are necessary and sufficient to evaluate and approve these types of cabinets on the APL.

Many NEMA-style controller cabinets are also available with optional rear doors. However, rear doors are not required for NEMA cabinets unless called for in the plans. NEMA cabinets with both front and rear doors are listed on the APL.

No change.

2. Ellen Daniel Some of the pages have such a large indent, that the text for shorter paragraphs is difficult to read.

Response: We apologize for difficulty; however, this is standard formatting.  
No change made.

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