

Title: NSTX-U Test Cell Platform Structural ModificationCAT: A1 ☐ A2 ☐ A3 ☒Type of Review: ☒ Peer ☐ CDR ☐ PDR ☐ FDRCognizant Individual: A. FalconDate of Review: 6 February 2020**Review Board Members:**Chairperson & CE: R. EllisRE (NTC) T. StevensonTA (Struct) D. Pryor

TA (\_\_\_\_) \_\_\_\_\_

S. Raftopoulos \_\_\_\_\_

QA: A. CastanedaESH: N. Gerrish

Regulatory Compliance \_\_\_\_\_

**Invited Attendees:**Y. ZhaiS. GerhardtP. DuganA. FalconJ. PetrellaA. SalazarM. Cropper**Other Attendees:**R. HawrylukA. Indelicato (DoE)T. Estes (DoE)

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**Items Reviewed:**

Sat.

Unsat.

Comments or n/a if not applicable

Appropriate requirements identified



Development plans and schedules



Reg. compliance incl. USI/USID and NEPA



Disposition of CHITS from previous reviews



N/A

Calculations (all listed are signed and filed)



Cost objectives



Other review objectives addressed



N/A

**SUMMARY OF RESULTS:** The existing platform structure at the 119 foot elevation is not adequate to support the new DC power supplies for bakeout. Calculations to that effect were shown at the bakeout final design review, along with proposed modifications to the platform structure. At this peer review, a complete design, including drawings of the platform modification and signed calculations, was presented.

Antonio Falcon presented the requirements and introduced the design. Alex Salazar presented the structural modifications, the assembly and installation sequence, and a digest of the signed calculation upon which the design is based. There were no chits. The calculation, while fully checked and signed, needs to be loaded into the document management system. Mark Cropper affirmed that there are no USIs [DR113]. The review was deemed acceptable.

**Disposition:** [check one]Xxxxxx **Acceptable****Acceptable pending resolution of concerns-** CHITS identified above must be resolved prior to installation.**Incomplete** - Additional design work is required prior to another design review.**Unsuccessful** - Corrective actions must be taken and another review process must be initiated.

Design Review Chair Person \_\_\_\_\_ Date: \_\_\_\_\_

Cognizant Individual Acceptance \_\_\_\_\_ Date: \_\_\_\_\_

**Distribution:** Review Board Members, Operations Center, Responsible Engineer (RE), Cognizant Individuals, Project Manager, Project Director, relevant Technical Authorities (TAs), Chief Engineer (CE), Fire Protection Engineer, Attendees, QA, ES&H, Security, Requesting & Performing Dept. Head