Seismic Anchorage of Experimental Equipment (SAofEE) Cover Sheet

Per ES&H BIO Policy: BIO P-15-003 (Effective date 6/13/2018)

SAofEE Process Criteria
The criteria of this seismic anchorage calculation are as follows:

- Anchorage design of experimental equipment is only allowed using SAofEE process described herein (i.e., Not HVAC equipment or distribution systems nor building electrical equipment anchorage)
- Floor-mounted at-grade mounting only (i.e., not wall, elevated floor, ceiling nor roof-mounted)
- Maximum total operating weight limit is 5,000 lbs.
- Maximum height of center of gravity of overall equipment must be 72 inches or less (including any leg, pad).

Complete all information below for every project to be submitted using SAofEE submittal Process:

Project & Documents Information

Project Title/Name: __________________________________________________

Building/Location/Room or Area: _______________________________________________________

Project Charge No.: ______________________ Extension #: _______ Calculation Serial No. (if known or required): ______________________

Document date: _____________ Revision No.: _____ Signature: ______________________ Date ___________

Personnel Information

Responsible Engineer: ______________________ Extension #: _______ Signature: ______________________ Date ___________

Peer Reviewer Name: ______________________ Extension #: _______ Signature: ______________________ Date ___________

Important Notes

- Every SAofEE project must be submitted to Building Inspection Office (BIO) for all applicable plan reviews, complete record keeping, and inspection follow-ups.
- Every SAofEE project must be provided to BIO office using Plan Review System’s (PRS) portal without exception. Emailed submittals are not acceptable.
- Do not obtain peer review for the course 133 practical portion. A practical project must be solely done by the responsible engineer without any help, guidance (sample calculation, template), or verbal input from others.
- Except the practical project, every SAofEE project must be peer-reviewed by an individual who has successfully completed courses 133 & 133PRA (practical) for structural anchorage. For the latest list of individuals that are qualified to assist as a peer-reviewer for an SAofEE project or for any other question, contact ES&H BIO Plan Check Coordinator, Cheryl Nadler, at extension x4363 (cnadler@slac.stanford.edu) before submitting to the PRS.
- Every SAofEE project must include the completed latest edition of the SAofEE coversheet (this document) containing information and signatures of responsible engineer as well as peer-reviewer person, before the project can be accepted by Building Inspection Office (BIO).
- It is preferred that all administration documents (such as coversheet, forms, checklists, etc.), design calculations, modeling software reports (such as Hilti), supporting drawings, details, and construction summary for contractor are compiled and collated into a single PDF file to ease review of all applicable Subject Matter Experts (SMEs).
- Naming convention, in PRS system, for typical SAofEE project submittal is as follows: “{SAofEE} PROJECT NAME...” [I.E.: “(SAofEE) LCLS/SSRL/XXXX Equipment XXXX...Anchorage...”]
- The SAofEE process pertains only to the structural/seismic review portion of projects. Other SME reviews may be required; and, addressing any comments by SMEs must be done, using PRS portal, by the responsible engineer in charge of the SAofEE project (as it is typically done for all non SAofEE-type projects).

(See back of this page for additional notes and FAQs pertaining SAofEE’s practical course and process)
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Additional Notes & FAQs

- Link to other SAofEE as well as all BIO documents: http://www-group.slac.stanford.edu/esh/groups/psd/bio.htm
- For additional inspection-related information, checklists, forms, etc., contact Cheryl Nadler (x4363) or Mark Matthews (x4113).
- Naming convention in PRS for practical project (1st time or 3-year refresher) course:
  “(SAofEE-PRA) PROJECT NAME...” [I.E.: “(SAofEE-PRA) LCLS/SSRL/XXXX Equipment XXXX...Anchorage...”]
- Once a complete project submittal, that is to be reviewed as the practical project (133PRA course), is deemed structurally acceptable (without any technical/design comments and aide from the structural/seismic SME), successful completion of 133PRA will be documented by BIO office; and, the completion credit will be notified to the staff in charge of SLAC Training (STA Administrators).
- Course 133 and its practical project course (133PRA), both, must be re-taken every 36 months (aligned with Building Code potential updates) as stated on STA website for the two courses. Please always refer to the STA course information for latest updates.