XYZ Directorate Engineering Note	Design Standard ASCE 7-10	Serial No.	Page 1 of 1
Responsible Engineer		**Revision No.**	**Date** 6/13/2018
Peer Review Engineer	**Project Location**		
Reference Drawings No. (Floor Plans)	**Equipment Cut Sheets No.**		
Project Title/Name			

Calculation for Seismic Anchorage of Experimental Equipment

Instructions for Header:

1. Engineering Note: Enter your science Directorate name (e.g. T&I, LCLS, SSRL).
2. Design Standard: Enter ASCE 7-10.
3. Serial No.: Enter your unique serialized calculation number. This document is an example of a serialized and archived document. Each Directorate is encouraged to establish a calculation numbering system including a serialized document format.
4. Design Engineer: Enter name of engineer trained & approved for Seismic Anchorage of Experimental Equipment.
5. Peer Review Engineer: Enter name of engineer trained & approved for Seismic Anchorage of Experimental Equipment.
6. Project Location: Enter building name/number, and room number.
7. Revision No.: Enter 0 for initial submittal and 1, 2, 3… for subsequent revisions.
8. Date: Enter date that calculation was performed.
9. Reference Drawings No.: Enter sheet numbers for floor/site plans that identify equipment name and location of installation (E.g., Building, location, room).
10. Equipment Cut Sheets No.: Enter sheet numbers for backup documentation with experimental equipment dimensions, anchor location and spacing, and center of gravity location.

Summary:

- Anchor manufacturer: _____ Anchor Type: _____
- Anchor size diameter, length and embedment depth: _____
- Anchor quantity (total): ____

Details:

- Wp (lb.) = (Enter maximum operating weight, limited to **5,000 lbs**)
- Center of gravity (in.) = (Enter average CG height, limited to **72** inches)
- Slab thickness (in.) = (Enter slab thickness)
- Fp (g) = (Refer to course handout and SLAC I-720 document tables)

Anchor Demand:

(Hand calculation)

-
-

Anchor Strength:

(Hand calculation or Hilti Profis software calculation "Detailed Report")

-
-