

ENCLOSURE 6

Westinghouse Non-Proprietary

Shield Building Experimental Program,  
Keith Coogler, July 14, 2009  
(Non-Proprietary)

---

# Shield Building Experimental Program

Keith Coogler  
July 14, 2009



Westinghouse Non-Proprietary Class 3



# Background

---

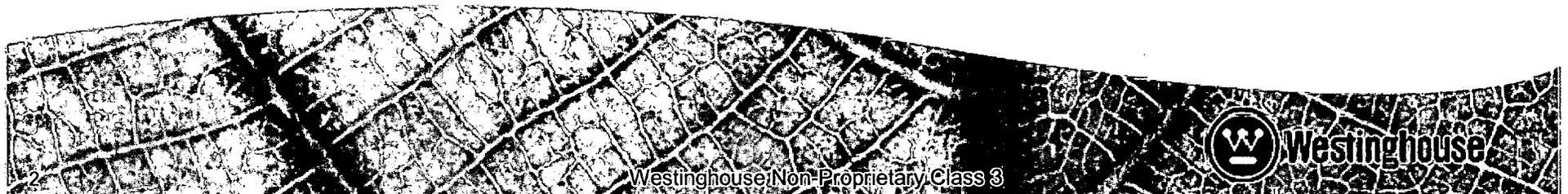
- During the June 15<sup>th</sup> and 16<sup>th</sup> meetings in Rockville, Westinghouse proposed a test program for a series of experimental tests on the AP1000 Shield Building Design that would be used as

– [



]a,c

- These test setups, justification, and acceptance criteria are described in this presentation



# Proposed Tests

---

- [

- 

- 

]a,c



# Anchorage Test Specimens

---

- [

- 

]a,c



# Test Setup Description

---

- [

- 

]a,c



# Typical Anchorage Test Setup

---

[

]a,c



# Typical Anchorage Test Setup

---

[

]a,c



# Typical test Specimens

---

[

]a,c



# Instrumentation Anchorage Tests

---

- [

- 

- 

- 

]a,c



# Acceptance Criteria Anchorage Test

---

- [ →

- 

]a,c



# Anchorage Test Justification

---

- [

- 

- 

]a,c



# Anchorage Test Justification

---

- [

]a,c



# Out-of-Plane Shear Test

---

- [
- 
- 
- 

]a,c



# Objectives of Out-of-Plane Shear Tests

---

- [

- 

- 

]a,c



# Out-of-Plane Shear Test Setup

---

[

]a,c



# Instrumentation Out-of-Plane Tests

---

- [
- 
- 
- 
- 
- 
- 
- 
- 

]a,c



# Acceptance Criteria of Out of Plane Shear Tests

---

- [

]a,c



# Justification of Out of Plane Shear Tests

---

- [

]a,c



# Objectives of In-Plane Shear Test

---

- [

- 

- 

]a,c



# In-Plane Shear Test Specimens

---

- [

- 

- 

- 

- 

- 

- 

]a,c





# In-Plane Shear Test Setup

---

[

]a,c

**DRAFT**



# Instrumentation In-Plane Shear Test

---

- [

- 

- 

- 

]a,c



# Acceptance Criteria In-Plane Test

---

- [

]a,c



# Effects of Combined Forces

---

- [

- 

- 

- 

- 

- 

]a,c



# Effects of Combined Forces

---

- [

- 

]a,c

