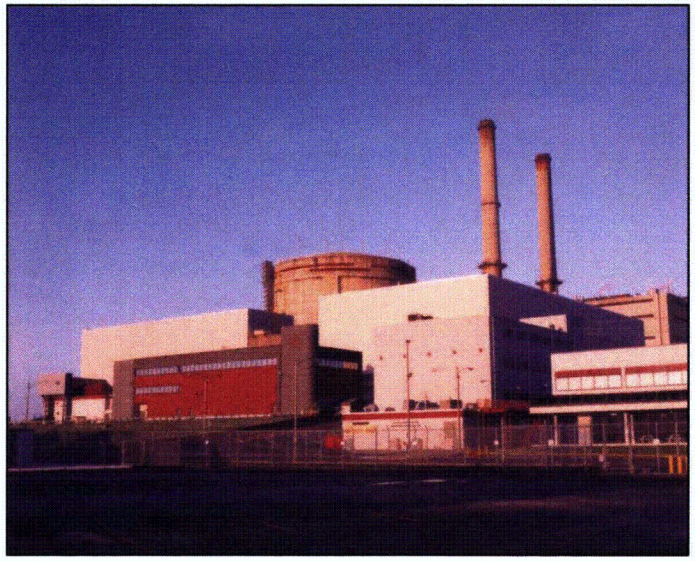
Crystal River Unit #3
Containment Update

November 5th 2009
Garry Miller



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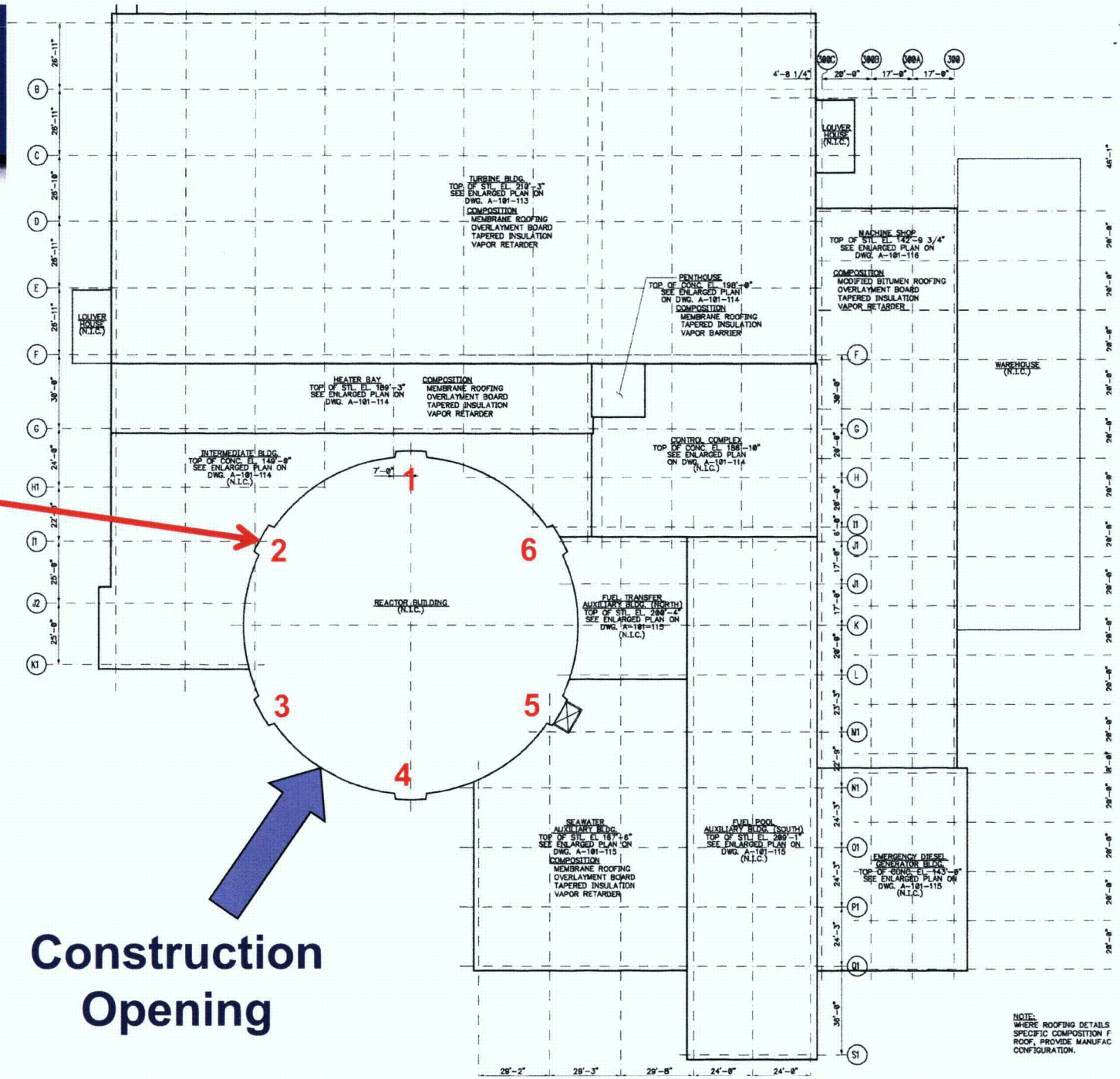
P/ 237

Construction Opening (between Buttresses 3 and 4)

Plan View



Buttress #
(typical)

Construction Opening

Source Drawing:
101-112 SH000

NGG
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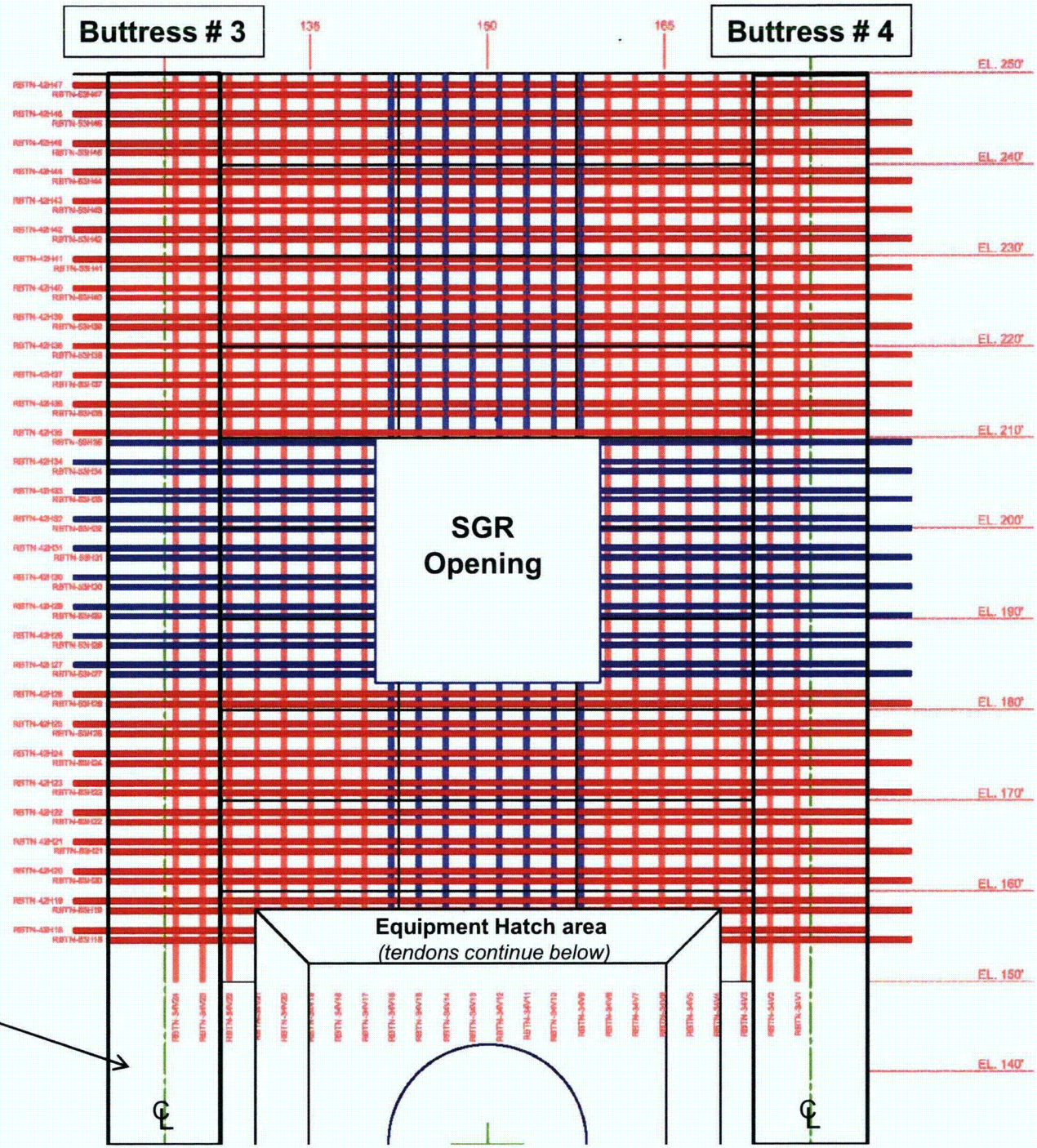
Tendon Pattern

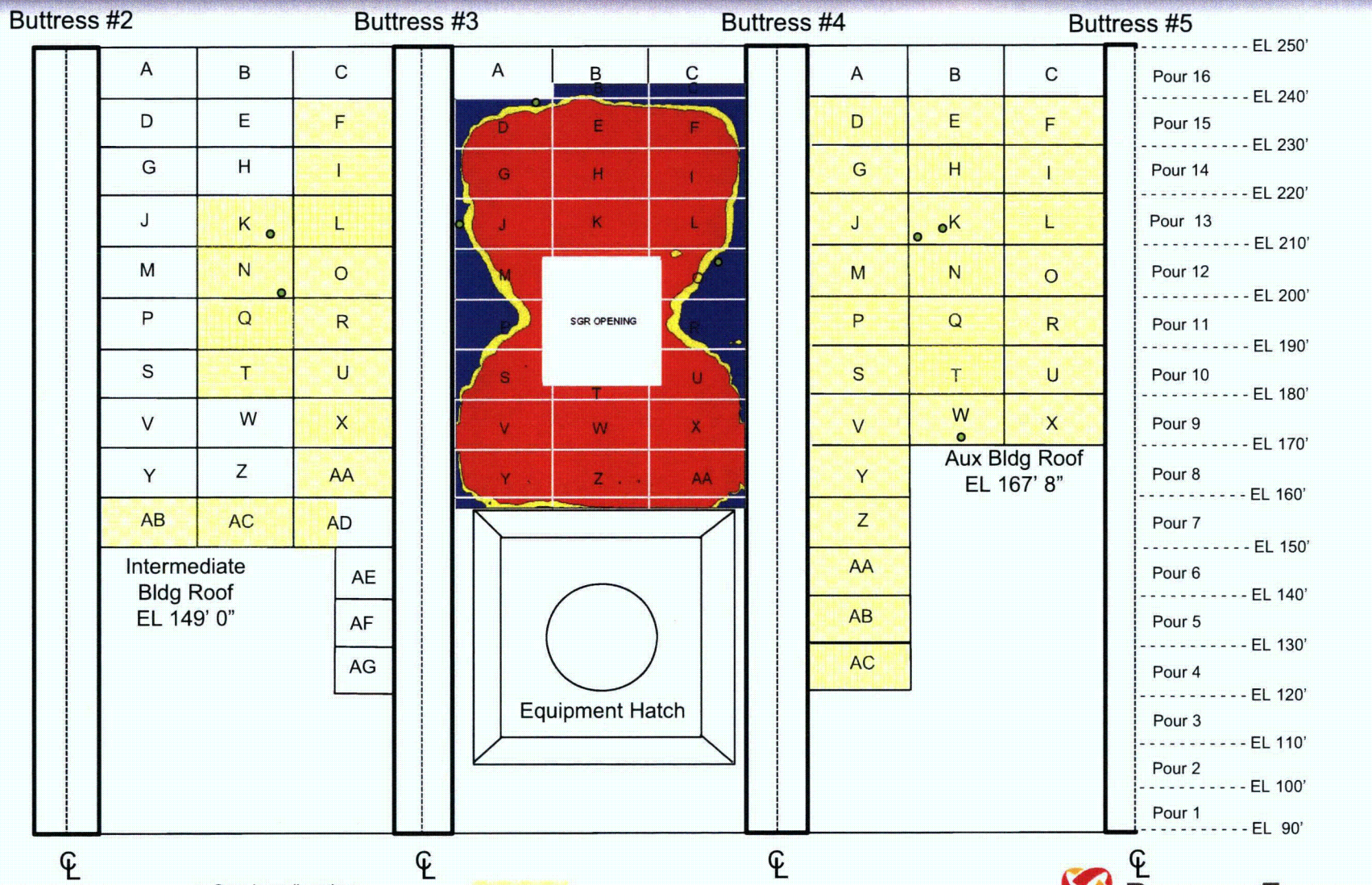
Tendon Pattern at time of cutting SGR Opening

- Energized Tendon
- Removed Tendon



Containment "Unfolded" – Buttress 2 to 5

Mosaic IR Overlay scale is approximate



Drawing is NOT-TO-SCALE

● Core bore (locations are approximate)

IR Scans per PT 407T Complete

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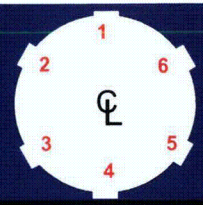
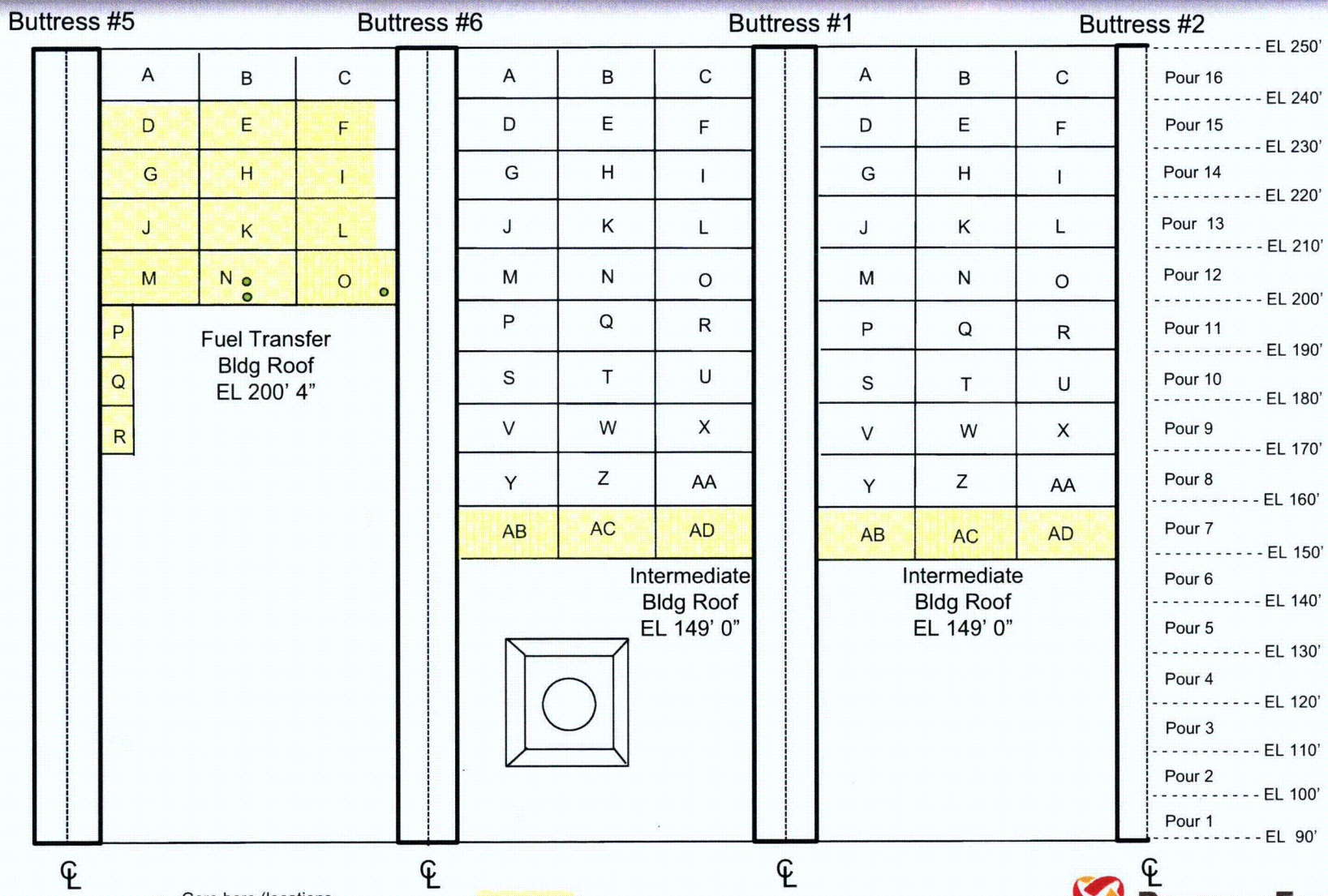
Containment "Unfolded" – Buttress 5 to 2





Core bore (locations are approximate)

IR Scans per PT 407T Complete

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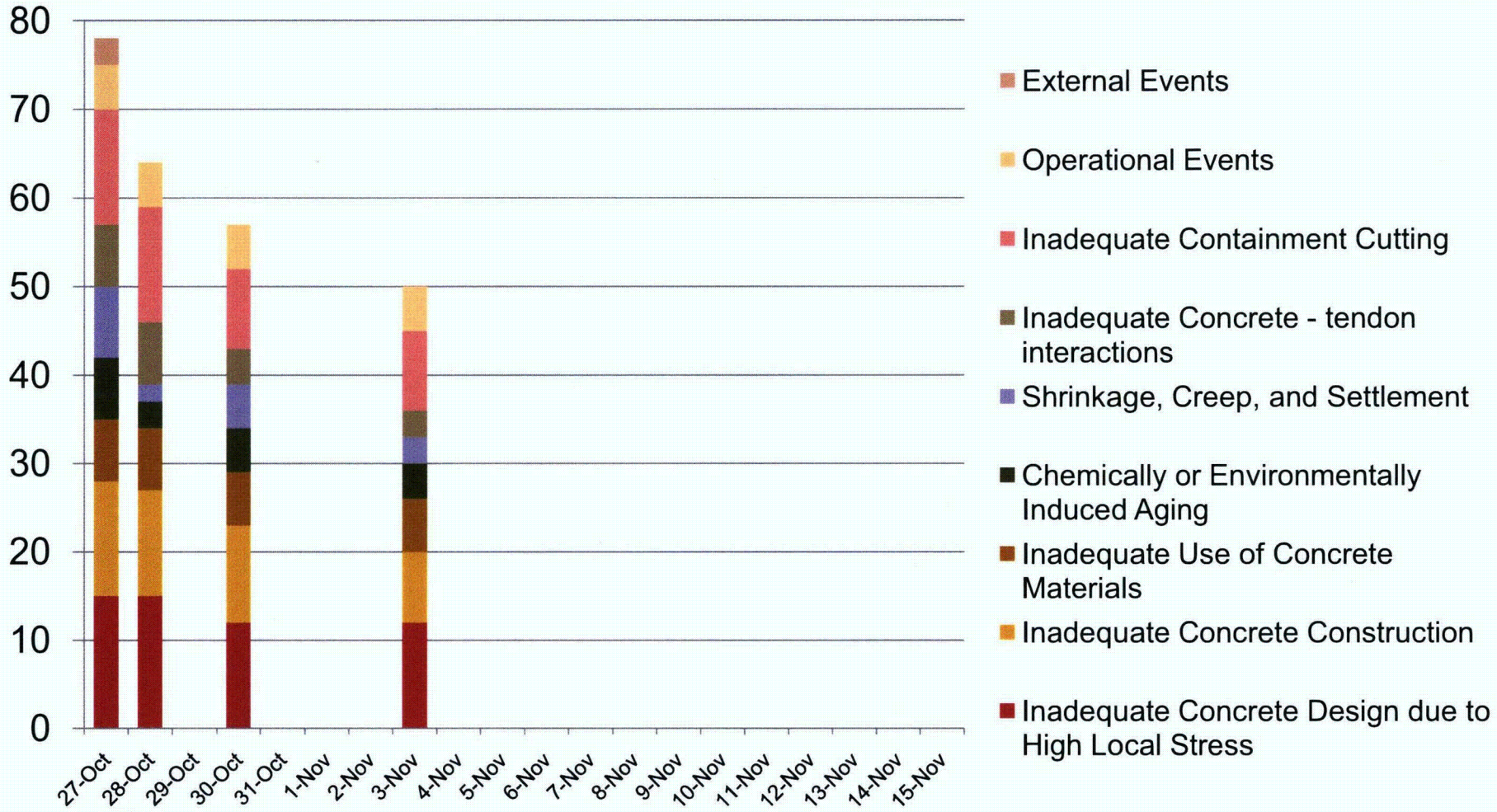
Root Cause Analysis – PII Metrics

Un-refuted Failure Modes as of Nov 3rd 2009



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External Support

- **Root Cause Analysis**
  - *Performance Improvement International (PII)*
  - *Bechtel*
- **Design Basis Analysis**
  - *MPR Associates, Inc.*
  - *Worley Parsons*
- **Condition Assessment**
  - *Construction Technology Laboratories (CTL)*
  - *MacTec*
- **Utility Involvement**
  - *SCANA*
  - *Exelon*
  - *Southern Company*

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Nuclear Safety Oversight Committee (NSOC)
Sub-Committee Membership

Bob Bazemore (PGN)	VP - Audit
Joe Donahue (PGN)	VP - Nuclear Oversight
Chris Burton (PGN)	VP - Harris Nuclear Plant
Greg Selby	Technical Director - EPRI
Dr. Shawn Hughes	VP - Shaw Stone & Webster
Dr. Paul Zia	N. C. State University (retired)
Hub Miller	NRC (retired)
Daryl Eisenhut	NRC (retired)

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