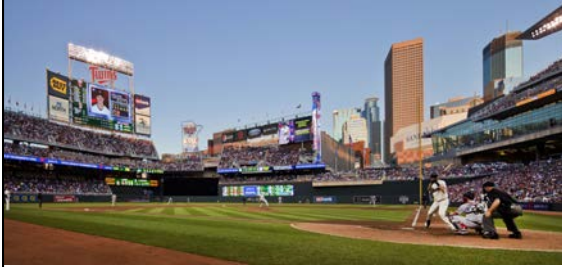


### Target Field – MMA Flooring Failure



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If I were to tell you...

We have a flooring product debonding from concrete.

What's the cause?



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### What is MMA Flooring



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### Where did this occur:



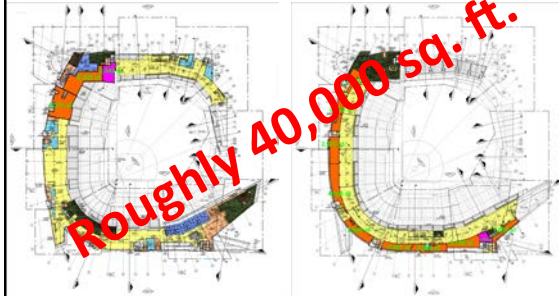
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### Where did this occur:



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### Where did this occur:



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Who's circus:

- Customer: Minnesota Twins Baseball Club
- General Contractor: Mortenson Construction
- Architect: [REDACTED]
- Subcontractor: [REDACTED]
- Manufacturer: [REDACTED]
- GC's Consultant: [REDACTED]
- GC's Consultant 2: [REDACTED]
- Sub's Consultant: [REDACTED]
- Owner's Consult.: [REDACTED]



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MN Twins Organization  
Mortenson Construction  
Associated Consultants

Vs.



Product Manufacturer  
Installing Subcontractor  
Associated Consultant

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Architect

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When did this all go down:

```

    graph TD
      A[Summer 2008: 3rd Base Club Level Pour 1] --> B[Fall 2008: 3rd Base Terrace Pour 1]
      B --> C[Fall of 2008: Hired subcontractor]
      C --> D[Winter 2009: Interior spaces installed]
      D --> E[Fall 2009: "The RFI"]
      E --> F[Fall 2009: First install on Club & Terrace]
      F --> G[Fall 2009: First punchlisty-issues pop-up]
      G --> H["Late-Fall" 2009: Final Installation]
      H --> I[Summer 2010: First major-ish issue.]
      I --> J[Spring 2012: Second major-ish issue.]
      J --> K[Spring 2015: Third major issue]
      K --> L[Spring 2016: Completely reinstalled]
  
```


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If at first you don't fail...

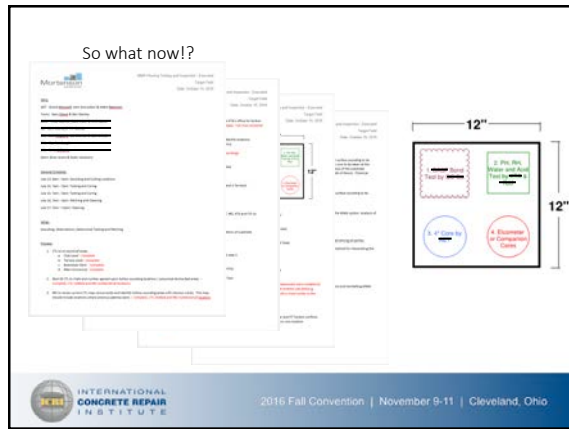
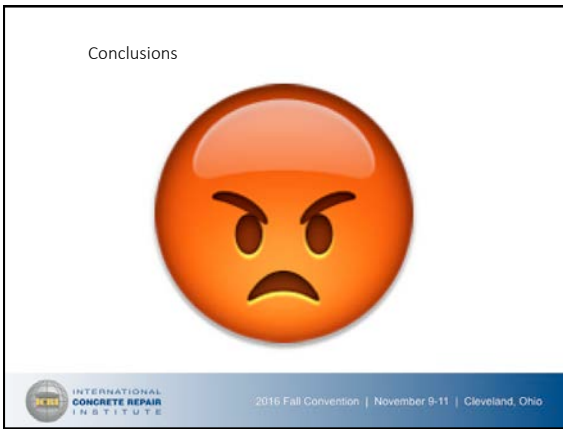
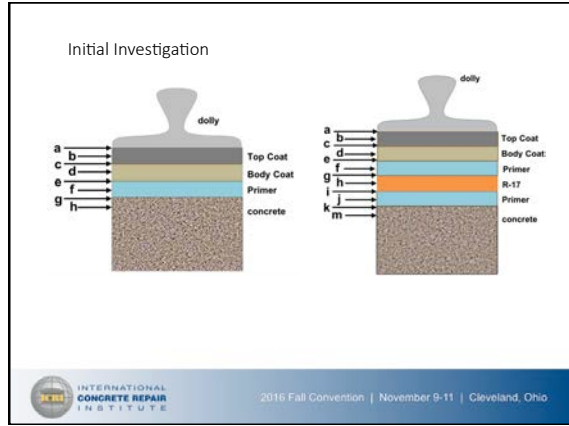
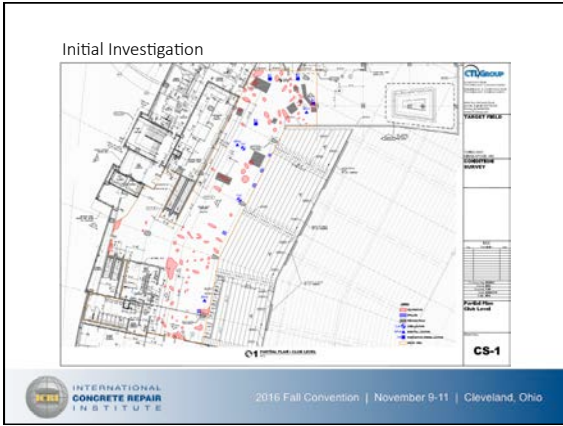


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Initial Investigation



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Conclusions



**BLAME GAME**  
I didn't say it was your fault. I said I was going to blame you.

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Well, we want this...




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...but, we got this!




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Super Mock-up



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What does good look like?



**SURFACE**      **PASS**      **FAIL**

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Re-Prep



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