



# Hospital Building Safety Board

## **Standard Details Committee**

**June 2, 2016**

by

**Y. Henry Huang, Chair  
Michael O'Connor, Vice-Chair**

### **COMMITTEE MEMBERS:**

**John Donelan  
Mike Hooper  
Mark Hershberg, Consulting Member  
Pete Kreuser, Consulting Member**

### **OSHPD STAFF**

**Paul Coleman, FDD Deputy Director  
Brett Beekman  
Gary Dunger  
Mohammad Karim, Ph.D.  
Richard Tannahill  
Nanci Timmins  
Beth Wied  
Chris Tokas**



# Hospital Building Safety Board

## Meeting Reports

### MEETING REPORTS:

- Meeting Date: 06/02/2016



# Hospital Building Safety Board

## Meeting Reports

### Meeting Date: 06/02/2016: OVERVIEW OF TOPICS

1. Welcome and Introductions
2. Review the May 15, 2014 meeting report/minutes
3. Review of the current electronic process for application of OSHPD Preapproved Details (OPDs)
  - File size limitation when implemented on sheets
  - Discussion and public input
4. Review and discuss proposed amendments to current OSHPD Preapproved Details:
  - Allow for 2-hour wall using  $\frac{3}{4}$ " Gypsum Board
  - Allow some variations of columns such as box columns, tubes, pipes, etc.



## Meeting Date: 06/02/2016: OVERVIEW OF TOPICS (cont.)

- Clarity on partitions hitting exterior glass
  - 2016 CBC impact to existing details
  - Other recommended/proposed amendments
  - Discussion and public input
5. Review and discuss proposed amendments to current OSHPD Preapproved Details
  6. Comments from the Public/Board Members on issues not on this agenda - The board will receive comments from the public/members – for placement on a subsequent agenda



## 2. Review the May 15, 2014 meeting report/minutes

Mr. Huang stated that the meeting minutes had already been approved by the Board (*in 2014*).



3. Review of the current electronic process for application of OSHPD Preapproved Details (OPDs)
  - File size limitation when implemented on sheets
  - Discussion and public input

Mr. O'Connor mentioned there's an issue of electronic plans being rejected because the file was too large. Mr. Paul Coleman, OSHPD, stated that the details must first be put into the drawing in the CAD program, then flattened before converting to PDF. The process must be followed step-by-step.



3. (Cont.) Review of the current electronic process for application of OSHPD Preapproved Details (OPDs)
  - File size limitation when implemented on sheets
  - Discussion and public input

Mr. Tokas explained that OSHPD was keeping the June 27 Electronic Plan Review deadline in mind. There are now two ways to reduce the file size: by flattening it while in the CAD format – the preferable way – and by converting the CAD file to PDF, then flattening it.

*...Discussions...*

**(Next Step) OSHPD will look into the issue more and Mr. O'Connor also agreed to look into a preferable format.**



#### 4. Review and discuss proposed amendments to current OSHPD Preapproved Details

- General

Mr. O'Connor suggested turning this into a process question:

*If there are a few amendments to the already-approved details, how would they be submitted for consideration for a variation or an additional OSHPD Preapproved Detail (OPD)?*

Mr. Coleman suggested submitting them to Dr. Karim, as his unit handles preapprovals. That unit would bring them to the next committee meeting for discussion.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Committee's Mission

Mr. Huang raised the issue of the committee's mission. When a detail reaches this committee, it has been vetted by OSHPD staff who have found that they do not agree. Does this committee act as an appeal hearing body for technical issues? Mr. Huang stated that he does not feel comfortable approving things that are not tested.

Mr. Coleman answered that some of the details for today's meeting have not been reviewed by OSHPD. OSHPD is showing them in order to determine if they are in fact Standard Details. If they are, OSHPD will begin the process of in-house reviews.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- General - Committee's Mission

Mr. Huang sought to determine whether this committee is the final decision-making body on technical issues. Mr. Coleman replied that it is not, but the members provide a valuable weigh-in on technical issues.

Mr. Huang suggested that a standard procedure for this committee should be established; Mr. Coleman felt that was a great idea.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Allow some variations of columns such as box columns, tubes, pipes, etc.

Mr. Tokas read the comments submitted by Mr. Burt Hurlbut regarding the Fire Life Safety column variation issues. Ms. Nancy Timmins, OSHPD, felt that the tube and height details would need a different detail drawn up. Mr. Donelan felt that detail pictures are definitely necessary to aid in visualizing, as opposed to just notes.

Mr. Donelan suggested taking the round shape out of the equation for the structural steel column. A box column is shown in the Standard Details further into the document.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Allow some variations of columns such as box columns, tubes, pipes, etc. (*ref. Agenda for the specific detail*)

Mr. Coleman agreed that we should do something to assist the inspector in doing his job, rather than use something that is open to interpretation.

Mr. O'Connor volunteered to work on the box column and tube amendment.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- 2016 CBC impact to existing details

Mr. Tokas asked the group about leaving the 2013 details the way they are or amending them to incorporate this proposal; do we re-issue them as 2016?

Dr. Karim stated that there are three OPDs for structure; there are virtually no structural changes between 2013 and 2016 as far as OPDs are concerned. OSHPD's plan is not to change them at all – to allow the 2013 OPD to be used for all codes. However, there are enough changes in the Fire Life Safety to upgrade it to 2016.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Clarity on partitions hitting exterior glass

Mr. Tokas showed the example detail “Clarity on Partitions Hitting Exterior Glass.” OSHPD had received three proposals that morning that show the partition terminating against the mullion in each.

Mr. Gary Dunger, OSHPD, gave a historical perspective. When OSHPD originally discussed the rated wall terminations as non-rated curtain walls, they shared with the committee that there are so many variations that it does not make sense to use one or two as Standard Details – there would be very limited usage. OSHPD recommended that they be detailed on the plans. However, the committee wanted to have one or two Standard Details to point at, so that is what OSHPD did.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Clarity on partitions hitting exterior glass

The group discussed the dilemma of what to include and what not to include.

Mr. Coleman said that this kind of detail should not be put in per se.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Other recommended/proposed amendments

Mr. Tokas explained the proposed new detail (“Electrical penetration – T-rating”) with a building cross-section showing an equipment path at the top of the floor. It shows electrical conduit going from the equipment through the floor and back into the service system.

Mr. Coleman asked about having a separate detail for this specific condition. You already have the penetration, and if you have the depth from the slab on top, then there should be a logical conclusion.

It was agreed that a specific detail isn’t needed.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- (out of order) Fire Life Safety details: Allow for 2-hour wall using 3/4" Gypsum

Mr. O'Connor explained that this was a notation from Mr. Hurlbut suggesting that the consideration of 3/4" gyp board is sufficient in the industry and could be an alternate to some details (in lieu of two layers of 5/8").

An Interested Party said that he would reach out to his contacts at the Gypsum Association to see if they could back the claim.



## 5. Consider suggestions for new OSHPD Preapproval Details

Mr. Coleman stated that one of the areas OSHPD was considering for developing Standard Details was single-story Skilled Nursing Facilities (SNFs) using metal framing and wood framing. Standard Details for 2-hour walls when the framing is parallel or perpendicular, and all the various conditions. There will be Fire Life Safety details and some Structural details.

OSHPD already has the expedited building permit for replacement of water heaters, installation of TV and monitor brackets, and replacement of handrails.

OSHPD is working on a detail for replacement of HVAC equipment on the roof – there are all kinds of roofs to deal with.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Discussion and public input

Ms. Timmins mentioned details for incidental use rooms in 5-As. Mr. Donelan commented that there is some junk code that hasn't been fixed describing the separation in 5-As. Mr. Coleman asked if this topic would require details or Code Application Notices (CANs). Mr. Dunger commented that it would definitely be a variation from the prescriptive requirement of the code. A horizontal fire barrier is needed, although code does not allow that. Mr. Donelan offered to do some drawings if Ms. Timmins could supply sketches.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Discussion and public input

An Interested Party mentioned the older multi-story buildings with a SNF on a certain level, that had met code at one time. When the buildings are upgraded, the owner hears that he no longer needs closers on the doors because of the new code. That degrades the paths of Fire Safety.

Mr. Coleman responded that typically, new construction must comply with current code. However, multi-stories with SNFs are a case-by-case because some are the entire building and some are one floor. Changes to any floors in a building that also impact the OSHPD floors bring OSHPD into the loop.



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#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Discussion and public input

Mr. Coleman mentioned that at one time, there had been talk of Accessibility Standard Details. However, most design professionals now have standard Accessibility sheets that show the typical details, most of which come out of the code itself.



#### 4. (Cont.) Review and discuss proposed amendments to current OSHPD Preapproved Details

- Discussion and public input

Mr. O'Connor mentioned that there constantly seem to be discussions on mounting heights for devices based on types. If there were some consensus, it would be very beneficial.

Mr. Coleman mentioned that code requires all electrical junction boxes to be independently supported. OSHPD has run into a number of cases where they are supported by several orange conduits on each side attached to the structure within a foot of the box. You still must have independent support for that box – but that seems a bit excessive. Details for typical examples could be appropriate so that we don't keep coming up with variations and applications out in the field; or they might be best as FAQs, PINs or CANs.



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## Meeting Reports

### Meeting Date: 06/02/2016: OVERVIEW OF MOTIONS

- None



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## **NEXT STEPS:**

- Mr. Huang suggested that a standard procedure for this committee should be established; Mr. Coleman felt that was a great idea.
- Mr. Coleman said that for the details discussed on this day, the committee should meet between the July and November Full Board meetings, so the Board can project activities for next year.



# Hospital Building Safety Board

## Meeting Reports

### Meeting Date: 06/02/2016: CONCLUSION

- Questions and Answers
- This report constitutes a MOTION to the BOARD and must be SECONDED by a Board Member that does not serve on the Committee for further ACTION.



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**CONCLUSION / DISCUSSION / Q&A**