From: Mitch Bowman <mbowman@sunedison.com>
Sent: Thursday, July 2, 2015 1:00 PM
To: Tim Wedding; Allen Smith
Cc: Howard Ho
Subject: FW: CAB Mechanical Design Guide 6-26-15.pptx

Tim & Allen,

See below. We will be specing the new CAB [redacted] system on all the below projects.

Quick question I was hoping you could help me out with:

- Can you provide a spec on the [redacted] steel messenger wire
  - Surface finish – [redacted]
  - Cable material – [redacted]
  - Tensile strength

Thanks again for all the help this week and I think we are off to the races.

-Mitch

From: Yun Lee
Sent: Thursday, July 02, 2015 9:06 AM
To: Tran, James; [redacted]
Cc: [redacted] Mitch Bowman
Subject: RE: CAB Mechanical Design Guide 6-26-15.pptx

Thanks James.

Mitch, per James' question below, can you confirm the ¼" messenger cable is sufficient to hold the additional bundle of cable?

From: Tran, James [mailto:James.Tran@hdrinc.com]
Sent: Thursday, July 02, 2015 9:49 AM
To: [redacted] Yun Lee
Cc: [redacted]
Subject: FW: CAB Mechanical Design Guide 6-26-15.pptx

All,

Going forward, we will implement this new CAB system for all projects with NT tracker system including

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

Yun, have we confirmed that [redacted] messenger cable has adequate strength to handle the cables?

Let us know if you have any questions.

Thanks and Happy 4th ☺

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James Tran, PE
Sr. Electrical Engineer

HDR
1670 Broadway, Suite 3400
Denver, CO 80202-4824
D 303.323.9796 M 303.726.6914
James.Tran@hdrinc.com

hdrinc.com/follow-us

From: Yun Lee [mailto:ylee@sunedison.com]
Sent: Wednesday, July 01, 2015 7:00 PM
To: [redacted]; Tran, James
Cc: [redacted]
Subject: FW: CAB Mechanical Design Guide 6-26-15.pptx

Hi all,

Please find revised CAB hanger details for [redacted] attached. The revised hanger is about [redacted] less per hanger and will allow us to run twice as many cables in the CAB so potentially able to remove a DC trench. HDR electrical team, can you incorporate into the IFC set?

Tim, please double check the hole pattern for the CAB supports for your shop drawings of the array pile. I believe the end attachments do not change, but the middle attachments do.

Thanks,

Yun

From: Mitch Bowman
Sent: Wednesday, July 01, 2015 6:05 PM
To: [redacted]; Yun Lee; [redacted]
Cc: [redacted]; Howard Ho
Subject: RE: CAB Mechanical Design Guide 6-26-15.pptx

All,

The new CAB design has been finalized and approved. The new cable hanger part number is [redacted]. The supplier is able to manufacture both the old and new versions of the cable hanger today.

Attached are all the relevant details. This new CAB system should be spec'd on all future project designs using CAB. Each project engineer should make the decision as to whether they want to change in progress designs to this new system or not.

Soon to follow will be final standard details on [redacted]. We are waiting on feedback from DNV on both these topics.

Please let me know if you have any questions and please feel free to forward this information to any internal or external stakeholders.

Best,

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