

pORC_fi ndi ngs. txt

-----Original Message-----

> From: Bob Brooker [mailto:brooker@fnal.gov]
> Sent: Tuesday, September 22, 2009 2:27 PM
> To: Eric D McHugh
> Cc: 'Linda Bagby'; 'huffman@fnal.gov'; 'Bob DeMaat';
> 'martinez@fnal.gov'; 'Rob Bushek'; 'cader@fnal.gov'; 'Wayne Schmitt';
> James L. Priest
> Subject: Re: MINERvA PORC Request
>
> Eric,
>
> Correction... On item #1 below, I meant to say "On the FESB boxes".
>
> -Bob Brooker

Bob Brooker wrote:

>
>> Eric,
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>> Following today's inspection, I would like to make the following
>> recommendations.
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>> 1) On the FEB boxes, the uninsulated braided ground cable is being
>> terminated using nylon insulated ring-tongue lugs; which are being
>> crimped with a die designed for a non-insulated lug. A "dimple" type
>> die is not a preferred tool to crimp a nylon insulated lug (but would
>> be for a non-insulated lug). Observed at least one lug in which there
>> was a crimp that appeared to miss the crimp area under the nylon.
>> Recommend using a non-insulated type lug for the uninsulated ground
>> cable(s); also use appropriate compression die for lug type chosen.
>> 2) Noted several places where a braided ground cable was pinched
>> under a galvanized mounting clamp in order to establish a connection
>> to ground. Where a ground cable is to be bonded to a grounded raceway
>> (i.e. conduit), recommend using a cast bronze grounding clamp or
>> other device designed for said purpose. Also recommend attaching
>> surface labeling to identify the function of the ground point.
>> 3) On the lower platform, the area behind the LI rack seems
>> particularly hazardous for trip-fall considering the limited work
>> space provided. Recommend installing railing behind the LI rack.
>>
>> -Bob Brooker