

Kielling, John, NMENV



From: Jack Ellvinger [jee@lanl.gov]
Sent: Wednesday, July 29, 2009 12:52 PM
To: Kielling, John, NMENV
Cc: Bob Lechel; "Gian Bacigalupa"@lanl.gov
Subject: Changes to Dome 232 at TA-54 MDA G

Attachments: TENT REQUIREMENTS1-1.doc; im4511_20090724_044243-1.pdf; im4511_20090724_044243-2.pdf; im4511_20090724_055902-1.pdf



TENT im4511_20090724_im4511_20090724_im4511_20090724_
REMENTS1-1.doc (; 044243-1.pdf (... 044243-2.pdf (... 055902-1.pdf (...

John:

As you are aware we are working towards the closure and cleanup of MDA-G within the timeframe allowed in the consent order, 2015. To that end we need to establish another processing line for waste being held in storage at MDA-G. Our proposal is similar to that we made for the permacon in Dome 231. We want to install another similar facility in Dome 232. This would be an industrial tent with floor and ventilation. Please see the attached drawings and info but please keep in mind that they are very preliminary and once the design is finalized we will have better information. We would like to opportunity to discuss this with you further to determine the appropriate permitting path forward. I believe that we handled the addition of the permacon as an addition of equipment to Dome 232. We would like to pursue a similar path for this addition. Is it possible to meet for maybe an hour and discuss this? I would like to bring some of the ops people to discuss what will take place once installed, installation and purpose and scope of the operation. Let me know how you would like to proceed.

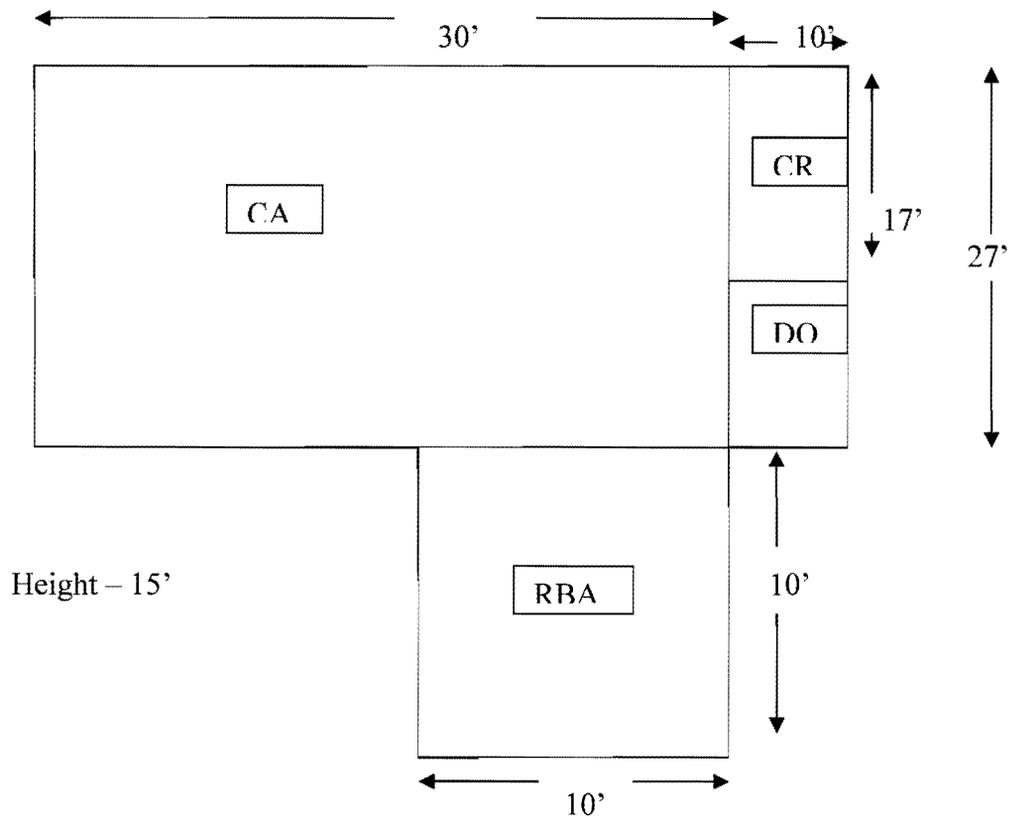
Thanks,

Jack

This inbound email has been scanned by the MessageLabs Email Security System.



TENT REQUIREMENTS



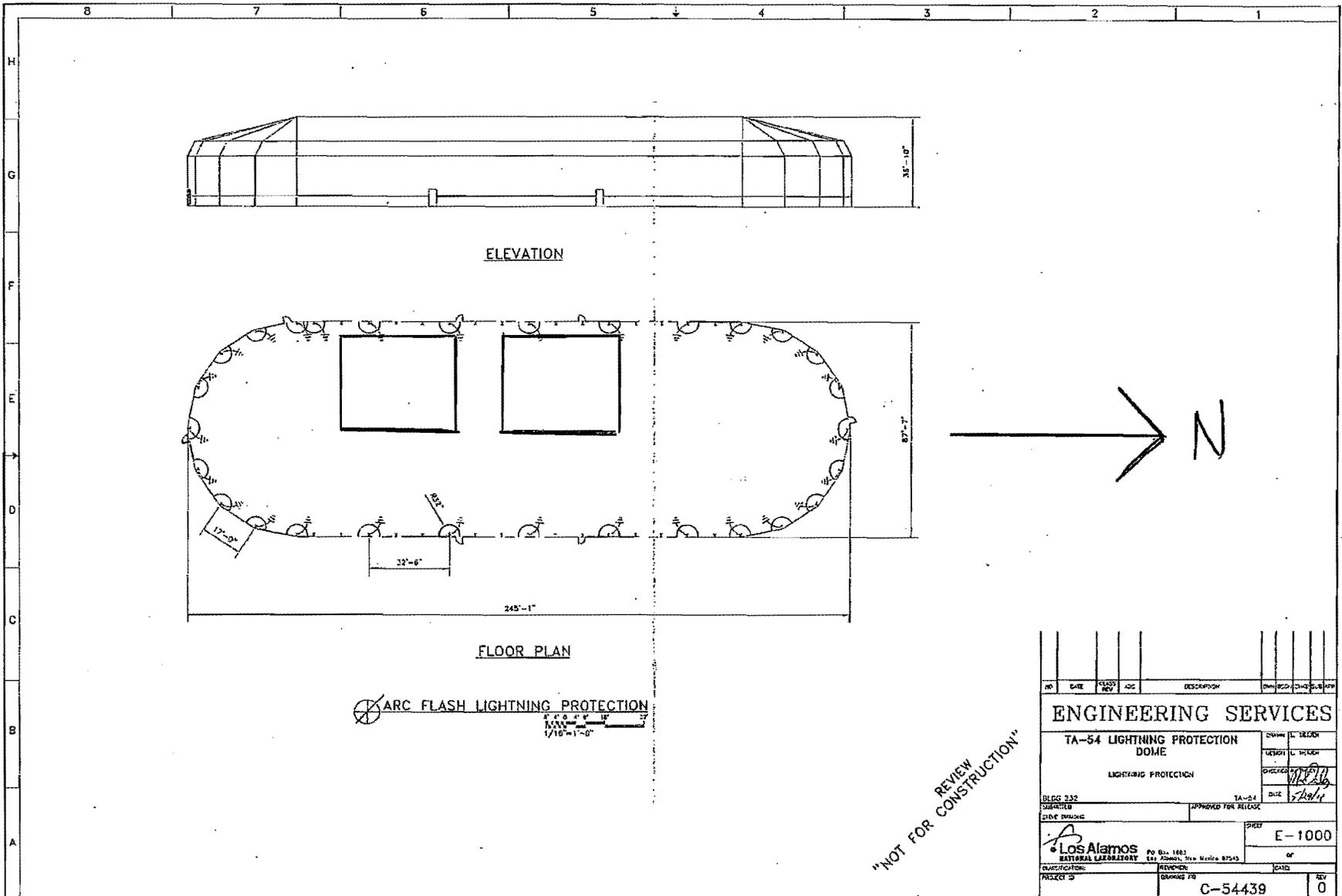
Each CA: (2) 600 cfm Fans
(1) Mac-21 – 400 cfm
Total – 1600 cfm [Need 1575 cfm for 7 air changes per hour]

(4) Halogen lights – 8000 watts total (2000 W/ light) in each corner
(4) 20 Amp circuits for equipment

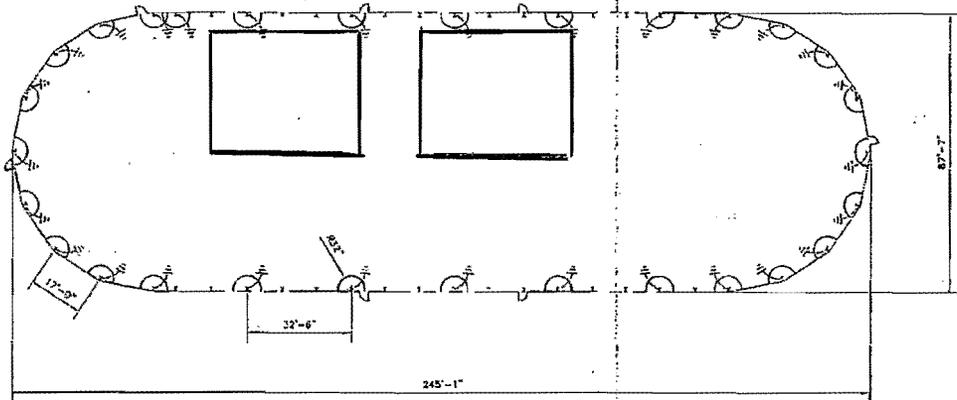
Each RBA (2) Halogen lights – 4000 watts total
(1) 20 amp circuit

Dress Out (1) Halogen light – 2000 watts
(1) 20 amp circuit

Control Room (4) 20 amp circuits



ELEVATION



FLOOR PLAN

ARC FLASH LIGHTNING PROTECTION
 1/16" = 1'-0"



REVIEW
 NOT FOR CONSTRUCTION

| NO | DATE | CLASS | REV | ACC | DESCRIPTION | DESIGNED | CHECKED | APP'D |
|--|------|-------|-----|-----|-------------|--|--------------------|-------|
| ENGINEERING SERVICES | | | | | | DESIGN | L. TRIGGS | |
| TA-54 LIGHTNING PROTECTION DOME | | | | | | DESIGN | L. TRIGGS | |
| LIGHTNING PROTECTION | | | | | | CHECKED | <i>[Signature]</i> | |
| BLDG 232 | | | | | | DATE | 5/20/11 | |
| SUBMITTED | | | | | | APPROVED FOR RELEASE | | |
| DATE ISSUED | | | | | | PROJECT | E-1000 | |
| Los Alamos NATIONAL LABORATORY | | | | | | PO Box 1663 4542 Alamos, N.M. 87545 | | |
| PROJECT NO | | | | | | ISSUED TO | C-54439 | REV 0 |

Work Tent Material

All materials used by LanCS in fabricating tents are fire retardant to ensure worker safety.

Tent walls and ceilings are generally made using Pacifitex 1400 with a yellow exterior and white interior (see Section 600 for detail.)

Floors are made using Pacifitex 1800 in yellow or white, for durability. Removable floors can be included to facilitate decontamination for extended use tents.

Windows made using 20 mil double polished clear PVC will be included to ensure adequate light.

Service sleeves and access ports are attached wherever required and are made using 12 mil translucent yellow PVC.

Doors are made using YKK Vislon #10 heavy duty molded tooth zipper with double pull sliders.

Frames are made from galvanized steel pipe (see Section 400 for detail) with custom-machined fittings for easy assembly.

Work Tent Fabrication

All wall, floor, and ceiling panels are heat sealed together using RF electronic technology. Work chamber panels are double sealed to ensure integrity and maximize tensile strength.

All window panels and service sleeves are heat sealed with a minimum 1/2" seam.

Door zippers are double stitched to prevent rip-out. Velcro flaps are included as covers for added security.

Inlet filters made from reticulated foam filter media in mesh screen pouches can be included to support negative ventilation.

Tie-off points made from heavy duty injection molded PVC are attached to tent exterior by heat sealing at spaced intervals along external frame lines to provide adequate support of tent chamber.

