1. Use CS High Bay space north of NSCX.
2. Remove existing shield wall sections north of NSCX.
3. Provide access from control room to platform.
4. Provide access stairway from first floor in front of existing roll up doors.
5. Use non-magnetic materials.
    a. Aluminum members.
    b. Fiberglass grating.
6. Removable grating for access to all machine ports.
7. Upper tier for access to top side machine ports.
8. Integrated hoist system for removal of machine end bells and flux core.
    a. 2 rails rated with a combined rating of 6 tons at each end bell.
    b. Hand geared trolleys
9. Top of platform 9’-0” above first floor.
10. Minimum clearance to experiment:
    a. 8’ N/S
    b. 16’ E/W
    c. 9’-6” Height.
    d. 5’ projection at all ports
11. Bolted connections.
12. 25 psf Dead Load plus equipment (TBD).
13. 250 psf Live Load
14. Break up electrically conductive paths through the platform by electrically insulating any conductive structural members from each other and ground as required
15. Lighting at underside of platform.
16. Sprinklers at underside of platform.
17. Guardrails at all unprotected edges.

Michael Kalish

Digitally signed by Michael Kalish
DN: cn=Michael Kalish, o=PPPL, ou=Engineering, email=mkalish@pppl.gov, c=US
Date: 2015.04.16 14:23:09 -04'00'

Michael Kalish Date

Hantao Ji

Digitally signed by Hantao Ji
DN: cn=Hantao Ji, o, ou, email=hji@pppl.gov, c=US
Date: 2015.04.16 16:10:09 -05'00'

Hantao Ji Date

Michael Viola Date

David P. Pryor

Digitally signed by David P. Pryor
DN: cn=David P. Pryor, o=PPPL, ou=Facilities, email=dpryor@pppl.gov, c=US
Date: 2015.04.16 13:05:03 -04'00'

David Pryor Date