# Radiological Safety

	Ext. 4299
This section to be completed by RP if the penetration will be within a rac management area, or accelerator housing. Please allow two days.	
Pre-work survey required Radiological HEPA vacuum cleane	ner required
Additional requirements for this penetration:	
Penetration does not need special requirements	
Checked by: Date:	
/	
Review, Approval, and Authorization	
Review, Approval, and Authorization  Any deviation from the scope of work identified on this permit. This penetration permit expires 30 days after issues.	20 A S.C A CALL AND CO.
Any deviation from the scope of work identified on this pe	20 A S.C A CALL AND CO.
Any deviation from the scope of work identified on this per permit. This penetration permit expires 30 days after issue	kers and verified that they are
Any deviation from the scope of work identified on this per permit. This penetration permit expires 30 days after issue Class 1 & 2 Authorizations  I have discussed the hazards and controls with the works trained/qualified to perform the work.	kers and verified that they are
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Penetration Safety: Penetration Permit

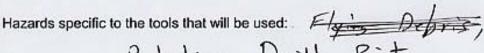
# Hazards and Required Controls

May reference JHAM or AHA if hazards/controls are documented there

#### Hazards

Type and size of energy sources present (including results from NDT, if used):





Work environment hazards (such as moisture, lead, asbestos, etc.):



Flying Debris

Other hazards:

#### Controls

Other controls:

Complete the "Radiological Safety" section if appropriate, and complete the Review, Approval, and Authorization section at the end of this form.

## Class 2 Penetration Checklist

Greater than 2 inches into solid material

	Yes	N/A
Reviewed historical records, engineering plans, and drawings?		/
Area responsible person/designee, customer/requester, or other personnel consulted?	_	
Visually inspected proposed location of penetration?		
Checked other side of walls, under floors, or through false ceilings for hazards?		
De-energized and locked/tagged-out energy sources as required?		
NDT used to determine if additional hazards exist?		
If yes, list results under "Həzərds."		
NDT used to determine wall reinforcement?		
Electrical tools equipped with GFCI or double-insulated?		
GFCIs tested?		
Appropriate PPE specified (see page 3) and obtained?	-	
PPE inspection(s) up to date?		
Short drill bits used or equipment marked to limit penetration depth?		
Penetration is within a radiologically controlled area or a radioactive material management area. If yes, complete the "Radiological Safety" section of the form		
Penetration is part of accelerator shielding (for example: the Accelerator Housing Structure, End Station A Hall, Klystron Gallery Floor)? If yes, complete the "Radiological Safety" section of the form.	9	
A Radiation Safety Work Control Form (RSWCF) is required for all penetrations that meet any of the following conditions (contact the		
area safety officer for more information):		
Into or through non-concrete radiation shielding	200	
<ul> <li>Into concrete radiation shielding, with penetration exceeding 2 inches in diar</li> </ul>	neter	
<ul> <li>Into concrete radiation shielding, with penetration exceeding 6 inches deep</li> </ul>	154	222
<ul> <li>Into concréte radiation shielding where penetration is not re-filled with a den- concreté or steel)</li> </ul>	se mate	erial (e.g.
All the way through concrete radiation shielding		
Checklist completed by: Date:		

Complete "Hazards and Required Controls" section.

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#### General Information

Area/location	Date(s) work will be performed	Job description (location of penetration, material to be penetrated, tools, etc)		
NEH Laser Room	12-11-08+0	Drill holes in converte wall to set £"x13 anchors		
Responsible line manager or designee Name/Organization)	Phone #	Other information (e.g., depth of penetration, etc)		
Han Infeld/AEG	x3472	≤ 2"		

## Class 1 Penetration Checklist

Hollow walls, ceilings or floors, or 2 inches or less into solid material

	Yes	N/A
Checked other side of walls, under floors, or through false ceilings for hazards?		_
Verified stud locations?		_
Non-conductive tools to be used?		_
Masonry bits and hand tools to be used for initial penetration?	/	PO
Orill bit stops or short drill bits (2 inches or less) to be used for solid material?	_	
Electrical tools equipped with GFCIs or double insulated?	_	
GFCIs tested?	_	// <u></u>
Appropriate PPE specified (see page 3) and obtained?	/	
PPE inspection(s) up to date?		
Penetration is within a radiologically controlled area or a radioactive material management area? If yes, complete the "Radiation Safety" portion of the form.		_
Penetration is part of accelerator shielding (for example: the Accelerator Housin Structure, End Station A Hall, Klystron Gallery Floor)? If yes, complete the "Radiological Safety" section of the form.	g 	_
A Radiation Safety Work Control Form (RSWCF) is required for all penetrations that meet any of the following conditions (contact the area safety officer for more information):		
Into or through non-concrete radiation shielding	- 12	
<ul> <li>Into concrete radiation shielding, with penetration exceeding 2 inches in dia</li> </ul>	meter	
Into concrete radiation shielding, with penetration exceeding 6 inches deep		F-1 F-
Into concrete radiation shielding where penetration is not re-filled with a den concrete or steel)  ///	se mate	nal (e.g.
All the way through concrete radiation shielding		
Checklist completed by: Date:	12-11	-08

Complete "Hazards and Required Controls" section.