

# Cancelled

*If you are using a printed version, then you **MUST** make sure the dates are correct. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 4.56.p SEB "C" Target Primary Cave Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.		
4.56		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ *Signature on File* \_\_\_\_\_  
Collider-Accelerator Department Chairman Date

P. Ingrassia

## SEB "C" TARGET PRIMARY CAVE SWEEP CHECKLIST

(Team Leader) \_\_\_\_\_

Time: \_\_\_\_\_ Date: \_\_\_\_\_

### **Warning:**

If any personnel are encountered during the sweep, **then** they will remain with the sweeper or the sweep shall be aborted. **If** the sweep is aborted **then** the person(s) must be escorted out of the cave by unlocking and opening the "C" Target Cave Gate.

### **Prerequisites**

- One Operator to perform the sweep
- BNL keys, Nos. H693, 15 and AA225
- C-A-OPM-ATT 4.56.p - SEB "C" Target Primary Cave Sweep Checklist (3 pages)
- Controlled Access enabled by simultaneous operation of H693 key switch & MCR\_2-1N2 push-button.
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD) and Pencil Type (SRD)

### **Warning:**

"C" Target radiation levels can exceed 20-50 Rem/hr. at contact

### **Note 1:**

The controls for the Movable Target Curtain are located opposite CQ12, about 10 feet upstream of the target. If the dose rate at the target were 50 Rem/hr at contact, then an operator could be exposed to a dose of 17 mRem in the two minutes required to open and then close the Curtain.

Close the Curtain if the stay in the vicinity of the target is expected to be longer than two minutes. Open the Curtain before you leave the scene.

### **Note 2:**

Operate the target curtain drive at slow speed only.

### **Note 3:**

If the movable curtain fails to move, do not abort the sweep. Spend less time in the vicinity of the target during the sweep.

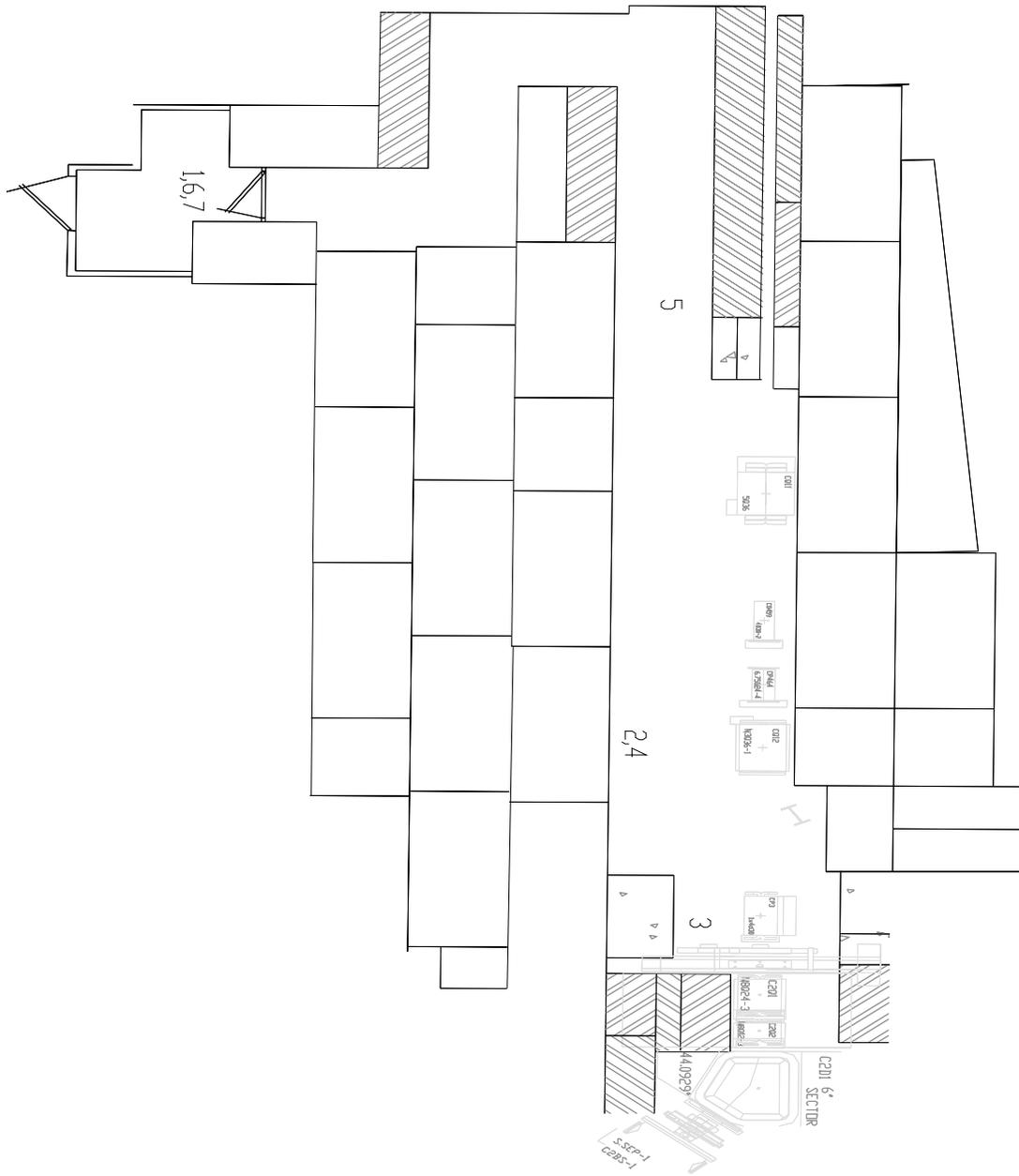
**CONTINUED ON REVERSE SIDE**

## Check

- \_\_\_\_\_ 1. Enter "C" Target Gate and lock (BNL 15 Key) gate behind you.
- \_\_\_\_\_ 2. Proceed to CQ12 and, if needed, close the Movable Target Curtain by using controls mounted on the wall:
  - \_ Turn Open/Close selector (third position) Counter Clockwise to CLOSE
  - \_ Turn drive speed control (fourth position) Counter Clockwise for SLOW
  - \_ Push Green (first position) START button
  - \_ When the clunk is heard or the curtain motion stops press the Red (second position) STOP button.
- \_\_\_\_\_ 3. Proceed downstream to "C" Target area. View target area for personnel.
- \_\_\_\_\_ 4. IF the Movable Target Curtain is closed THEN open it using the controls opposite CQ12.
- \_\_\_\_\_ 5. Sweep upstream through the "C" Target Gate and close behind you.
- \_\_\_\_\_ 6. Lock and reset the "C" Target Gate (BNL 15 Key in ACS 3150 box).
- \_\_\_\_\_ 7. Verify with MCR personnel that "C" is reset for beam by viewing indicator at MCR\_2-1N6
- \_\_\_\_\_ 8. File the checklists in the Completed Sweep Checklist Binder.

***SEE MAP, NEXT PAGE***

# SEB "C" TARGET PRIMARY CAVE SWEEP CHECKLIST MAP



Numbers refer to steps in the checklist