

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. 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 available by contacting the **ESSHQ Procedures Coordinator, Bldg. 911A***

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.124.j.b ATF Laser Facility Gate Tests

ATF OPM Procedures in which this Attachment is used.		
4.120.124		

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 _____
 Physics Department Chair Date

V. Castillo

4.120.124.j.b ATF Laser Facility Gate Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ Life Number: _____

Safety Section Head's Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ Life Number: _____

RSC Member's Name (Sign): _____ Date: ____/____/____

1.1 CONDUCT Visual check on ATF Laser Facility doors following Table-1, below

Rooms	Door/Gate	Function	Micro Switch		Verify Elec Wiring OK	Verify Door Box OK	Verify Open/Close Fctns OK	Verify all x's Corr.	Inspn OK Init.
			Verify Align OK	Verify Opern OK					
Exp Hall South	EHG1	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
Exp Hall West	EHG2	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
Exp Hall to Fel Room	FHG1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
Fel Room to Vestibule 2	FV2G1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
Vestibule 2	EV2G1	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
CO2 Main to Vestibule 2	CV2G1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
CO2 Main to CO2 Amp	CCG1	Thru	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CO2 Main to CO2 Amp	MAINT	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
CO2 Amp Room	ECG1	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
Laser Lab	ELG1	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
Laser Lab	ELG2	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
Laser Lab to Vestibule 1	LV1G1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
Vestibule 1	EV1G1	Exit	<input type="checkbox"/>	<input type="checkbox"/>					
Gun Hutch to Vestibule 1	GV1G1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
Yag Room to Vestibule 1	YV1G1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					
Yag Room to Laser Lab	YLG1	Thru	<input type="checkbox"/>	<input type="checkbox"/>					

Legend: Tick = O.K. x = Problem N/A = Not Applicable

Table 1: Summary of Physical Inspection of ATF Laser Facility Doors

- Check for acceptance of Visual check on ATF Laser Facility Doors

1.2 Test Laser MS (LMS) at Exp Hall South Exit Gate 1 (EHG1)

- VERIFY OPEN** EHG1 has been inspected
EHG1 with Keypad (2306E)
- HOLD** EHG1 LMS **CLOSED**
- VERIFY** ACR sees on Exp Hall Blk I/O (EHBI/O) Input 8 **ON**
- HOLD** EHG1 LMS **OPEN**
- VERIFY** ACR sees EHBI/O Input 8 **OFF**
- CLOSE** EHG1
- VERIFY** ACR sees EHBI/O Input 8 **ON**
- PRESS** EHG1 outside pass P/B
- VERIFY** While P/B is pressed ACR sees EHBI/O Input 6 **ON**
- PRESS** EHG1 inside pass P/B
- VERIFY** While P/B is pressed ACR sees EHBI/O Input 6 **ON**
- PRESS** Outside **Interlock Off P/B** at gate EHG1
- VERIFY** While **Outside** Interlock Off P/B is pressed ACR sees EHBI/O In 9 **ON**
- PRESS** Inside **Interlock Off P/B** at Main Panel
- VERIFY** While **Inside** Interlock Off P/B on **Main Panel** in EH is pressed ACR sees EHBI/O In 9 **ON**
- Check for acceptance of Test Laser MS at Exp Hall South Exit Gate 1 (EHG1)

1.3 Test Laser MS (LMS) at Exp Hall West Exit Gate 2 (EHG2), Left and Right sides

- | | | | |
|--------------------------|---------------|----------------------------------|---------------|
| <input type="checkbox"/> | VERIFY | EGH2 has been inspected | |
| | OPEN | Padlock on EGH2 with ATF #15 key | |
| | HOLD | EGH2 LMS, Right | CLOSED |
| | HOLD | EGH2 LMS, Left | CLOSED |
| <input type="checkbox"/> | VERIFY | ACR sees EHBI/O Input 7 | ON |
| | HOLD | EGH2 LMS, Left | OPEN |
| <input type="checkbox"/> | VERIFY | ACR sees EHBI/O Input 7 | OFF |
| | CLOSE | EGH2 | |
| <input type="checkbox"/> | VERIFY | ACR sees EHBI/O Input 7 | ON |
| | HOLD | EGH2 LMS, Left | CLOSED |
| | HOLD | EGH2 LMS, Right | CLOSED |
| <input type="checkbox"/> | VERIFY | ACR sees EHBI/O Input 7 | ON |
| | HOLD | EGH2 LMS, Right | OPEN |
| <input type="checkbox"/> | VERIFY | ACR sees EHBI/O Input 7 | OFF |
| | CLOSE | EGH2 | |
| <input type="checkbox"/> | VERIFY | ACR sees EHBI/O Input 7 | ON |

- Check for acceptance of Test Laser MS at Exp Hall West Exit Gate 2 (EHG2)**

1.4 Test Laser MS (LMS) at Fel Room to Exp Hall Gate (FHG1)

- | | | | |
|--------------------------|---------------|---|---------------|
| <input type="checkbox"/> | VERIFY | FHG1 has been inspected | |
| | OPEN | FHG1 | |
| | HOLD | FHG1 LMS | CLOSED |
| <input type="checkbox"/> | VERIFY | ACR sees on Fel Room Blk I/O (FRBI/O) Input 5 | ON |
| | HOLD | FHG1 LMS | OPEN |
| <input type="checkbox"/> | VERIFY | ACR sees FRBI/O Input 5 | OFF |
| | CLOSE | FHG1 | |
| <input type="checkbox"/> | VERIFY | ACR sees FRBI/O Input 5 | ON |
| | PRESS | FHG1 pass P/B on EH side | |
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees EHBI/O Input 5 | ON |
| | PRESS | FHG1 pass P/B on FR side | |
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees EHBI/O Input 5 | ON |

- Check for acceptance of Test Laser MS (LMS) at Fel Room to Exp Hall Gate (FHG1)**

1.5 Test Laser MS (LMS) at Fel Room to Vestibule 2 Gate (FV2G1)

- | | | | |
|--------------------------|---------------|--------------------------|--|
| <input type="checkbox"/> | VERIFY | FV2G1 has been inspected | |
| | OPEN | FV2G1 | |

- | | | | |
|--------------------------|---------------|--|---------------|
| | HOLD | FV2G1 LMS | CLOSED |
| <input type="checkbox"/> | VERIFY | ACR sees on Fel Room Blk I/O (FRBI/O) Input 4 | ON |
| | HOLD | FV2G1 LMS | OPEN |
| <input type="checkbox"/> | VERIFY | ACR sees FRBI/O Input 4 | OFF |
| | CLOSE | FV2G1 | |
| <input type="checkbox"/> | VERIFY | ACR sees FRBI/O Input 4 | ON |
| | PRESS | Fel Room side pass P/B | |
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees FRBI/O Input 3 | ON |
| | PRESS | Vestibule 2 side pass P/B | |
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees FRBI/O Input 3 | ON |
| | PRESS | FR Outside Interlock Off P/B at gate FV2G1 | |
| <input type="checkbox"/> | VERIFY | While FR Interlock Off P/B is pressed ACR sees FHBI/O In 6 | ON |
| | PRESS | Inside Interlock Off P/B on Main Panel in FR | |
| <input type="checkbox"/> | VERIFY | While Inside Interlock Off P/B is pressed ACR sees FHBI/O In 6 | ON |

- Check for acceptance of Test Laser MS (LMS) at Fel Room to Exp Hall Gate (FHG1)

1.6 Test Laser MS (LMS) at Vestibule 2 Exit Gate 1 (EV2G1)

- | | | | |
|--------------------------|---------------|----------------------------|--|
| <input type="checkbox"/> | VERIFY | EV2G1 has been inspected | |
| | OPEN | EV2G1 with Keypad (03826E) | |

- | | | | |
|--------------------------|---------------|--|---------------|
| | HOLD | EV2G1 LMS | CLOSED |
| <input type="checkbox"/> | VERIFY | ACR sees on CO2 Rm Blk I/O (C2RBI/O) Input 12 | ON |
| | HOLD | EV2G1 LMS | OPEN |
| <input type="checkbox"/> | VERIFY | ACR sees C2RBI/O Input 12 | OFF |
| | CLOSE | EV2G1 | |
| <input type="checkbox"/> | VERIFY | ACR sees C2RBI/O Input 12 | ON |
| | PRESS | EV2G1 Vestibule 2 side pass P/B | |
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees C2RBI/O-2 Input 13 | ON |
| | PRESS | EV2G1 Vestibule 2 outside pass P/B, any button on keypad | |
| <input type="checkbox"/> | VERIFY | While KP/B is pressed ACR sees C2RBI/O-2 Input 13 | ON |

- Check for acceptance of Test Laser MS (LMS) at Vestibule 2 Exit Gate 1 (EV2G1)

1.7 Test Laser MS (LMS) at CO2 Main Room to Vestibule 2 Gate (CV2G1)

- | | | | |
|--------------------------|---------------|--------------------------|--|
| <input type="checkbox"/> | VERIFY | CV2G1 has been inspected | |
| | OPEN | CV2G1 | |

- | | | | |
|--|-------------|-----------|---------------|
| | HOLD | CV2G1 LMS | CLOSED |
|--|-------------|-----------|---------------|
- | | | | |
|--------------------------|---------------|--|-----------|
| <input type="checkbox"/> | VERIFY | ACR sees on CO2 Rm Blk I/O (C2RBI/O)-2 Input 2 | ON |
|--------------------------|---------------|--|-----------|
- | | | | |
|--|-------------|-----------|-------------|
| | HOLD | CV2G1 LMS | OPEN |
|--|-------------|-----------|-------------|
- | | | | |
|--------------------------|---------------|----------------------------|------------|
| <input type="checkbox"/> | VERIFY | ACR sees C2RBI/O-2 Input 2 | OFF |
|--------------------------|---------------|----------------------------|------------|
- | | | | |
|--|--------------|-------|--|
| | CLOSE | CV2G1 | |
|--|--------------|-------|--|
- | | | | |
|--------------------------|---------------|----------------------------|-----------|
| <input type="checkbox"/> | VERIFY | ACR sees C2RBI/O-2 Input 2 | ON |
|--------------------------|---------------|----------------------------|-----------|
- | | | | |
|--|--------------|-----------------------------|--|
| | PRESS | CO2 Main Room side pass P/B | |
|--|--------------|-----------------------------|--|
- | | | | |
|--------------------------|---------------|---|-----------|
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees C2RBI/O Input 6 | ON |
|--------------------------|---------------|---|-----------|
- | | | | |
|--|--------------|---------------------------|--|
| | PRESS | Vestibule 2 side pass P/B | |
|--|--------------|---------------------------|--|
- | | | | |
|--------------------------|---------------|---|-----------|
| <input type="checkbox"/> | VERIFY | While P/B is pressed ACR sees C2RBI/O Input 6 | ON |
|--------------------------|---------------|---|-----------|
- | | | | |
|--|--------------|---|--|
| | PRESS | CO2 Main Outside Interlock Off P/B at gate CV2G1 | |
|--|--------------|---|--|
- | | | | |
|--------------------------|---------------|--|-----------|
| <input type="checkbox"/> | VERIFY | While CO2 Main Interlock Off P/B is pressed ACR sees C2BI/O In 12 | ON |
|--------------------------|---------------|--|-----------|
- | | | | |
|--|--------------|--|--|
| | PRESS | Inside Interlock Off P/B at CO2 Main Panel | |
|--|--------------|--|--|
- | | | | |
|--------------------------|---------------|--|-----------|
| <input type="checkbox"/> | VERIFY | While Inside Interlock Off P/B at Main Panel is pressed ACR sees C2BI/O-2 In 12 | ON |
|--------------------------|---------------|--|-----------|
- | | | | |
|--|--------------|---|--|
| | PRESS | Inside Interlock Off P/B at CO2 Amp Panel | |
|--|--------------|---|--|
- | | | | |
|--------------------------|---------------|---|-----------|
| <input type="checkbox"/> | VERIFY | While Inside Interlock Off P/B at Amp Panel is pressed ACR sees C2BI/O-2 In 11 | ON |
|--------------------------|---------------|---|-----------|
- | | | | |
|--|--------------|---|--|
| | PRESS | Interlock Off P/B at gate CCG1, CO2 Main side | |
|--|--------------|---|--|
- | | | | |
|--------------------------|---------------|---|-----------|
| <input type="checkbox"/> | VERIFY | Interlock Off P/B at gate CCG1 is pressed ACR sees C2BI/O-2 In 11 | ON |
|--------------------------|---------------|---|-----------|

- | | | | |
|--------------------------|---|--|--|
| <input type="checkbox"/> | Check for acceptance of Test Laser MS (LMS) at CO2 Main Room to Vestibule 2 Gate (CV2G1) | | |
|--------------------------|---|--|--|

1.8 Test Laser MS (LMS) at CO2 Main Room to CO2 Amp Room Gate (MAINT)

- | | | | |
|--------------------------|---------------|--------------------------|--|
| <input type="checkbox"/> | VERIFY | MAINT has been inspected | |
| | OPEN | MAINT | |

- | | | | |
|--|-------------|-----------|---------------|
| | HOLD | MAINT LMS | CLOSED |
|--|-------------|-----------|---------------|
- | | | | |
|--------------------------|---------------|-----------------------------|-----------|
| <input type="checkbox"/> | VERIFY | ACR sees on C2BI/O Input 10 | ON |
|--------------------------|---------------|-----------------------------|-----------|
- | | | | |
|--|-------------|-----------|-------------|
| | HOLD | MAINT LMS | OPEN |
|--|-------------|-----------|-------------|
- | | | | |
|--------------------------|---------------|--------------------------|------------|
| <input type="checkbox"/> | VERIFY | ACR sees C2BI/O Input 10 | OFF |
|--------------------------|---------------|--------------------------|------------|
- | | | | |
|--|--------------|-------|--|
| | CLOSE | MAINT | |
|--|--------------|-------|--|
- | | | | |
|--------------------------|---------------|--------------------------|-----------|
| <input type="checkbox"/> | VERIFY | ACR sees C2BI/O Input 10 | ON |
|--------------------------|---------------|--------------------------|-----------|

- | | | | |
|--------------------------|--|--|--|
| <input type="checkbox"/> | Check for acceptance of Test Laser MS (LMS) at CO2 Main Room to CO2 Amp Room Gate (MAINT) | | |
|--------------------------|--|--|--|

- 1.9 Test Laser MS (LMS) at CO2 Amp Room Exit Gate 1 (ECG1)**
- VERIFY** ECG1 has been inspected
 - OPEN** ECG1
 - HOLD** ECG1 LMS **CLOSED**
 - VERIFY** ACR sees on CO2 Rm Blk I/O (C2RBI/O) Input 11 **ON**
 - HOLD** ECG1 LMS **OPEN**
 - VERIFY** ACR sees C2RBI/O Input 11 **OFF**
 - CLOSE** ECG1
 - VERIFY** ACR sees C2RBI/O Input 11 **ON**
 - PRESS** ECG1 outside pass P/B
 - VERIFY** While P/B is pressed ACR sees C2RBI/O Input 7 **ON**
 - PRESS** ECG1 inside pass P/B
 - VERIFY** While P/B is pressed ACR sees C2RBI/O Input 7 **ON**
 - Check for acceptance of Test Laser MS (LMS) at CO2 Amp Room Exit Gate 1 (ECG1)**

- 1.10 Test Laser MS (LMS) at Laser Lab Exit Gate 1 (ELG1), left and right sides**
- VERIFY** ELG1 has been inspected
 - OPEN** ELG1
 - KEEP** ELG1 LMS right **CLOSED**
 - HOLD** ELG1 LMS left **CLOSED**
 - VERIFY** ACR sees on Laser Lab Blk I/O (LLBI/O) Input 5 **ON**
 - HOLD** ELG1 LMS left **OPEN**
 - VERIFY** ACR sees LLBI/O Input 5 **OFF**
 - CLOSE** ELG1
 - KEEP** ELG1 LMS left **CLOSED**
 - HOLD** ELG1 LMS right **CLOSED**
 - VERIFY** ACR sees on Laser Lab Blk I/O (LLBI/O) Input 5 **ON**
 - HOLD** ELG1 LMS right **OPEN**
 - VERIFY** ACR sees LLBI/O Input 5 **OFF**
 - CLOSE** ELG1
 - VERIFY** ACR sees LLBI/O Input 5 **ON**
 - Check for acceptance of Test Laser MS (LMS) at Laser Lab Exit Gate 1 (ELG1)**

- 1.11 Test Laser MS (LMS) at Laser Lab Exit Gate 2 (ELG2)**
- VERIFY** ELG2 has been inspected
 - OPEN** ELG2
 - HOLD** ELG2 LMS **CLOSED**
 - VERIFY** ACR sees on Laser Lab Blk I/O (LLBI/O) Input 5 **ON**
 - HOLD** ELG2 LMS **OPEN**
 - VERIFY** ACR sees LLBI/O Input 5 **OFF**
 - CLOSE** ELG2
 - VERIFY** ACR sees LLBI/O Input 5 **ON**
 - Check for acceptance of Test Laser MS (LMS) at Laser Lab Exit Gate 1 (ELG2)**

- 1.12 Test Laser MS (LMS) at Laser Lab to Vestibule 1 Gate (LV1G1)**
- VERIFY** LV1G1 has been inspected
 - OPEN** LV1G1
 - HOLD** LV1G1 LMS **CLOSED**
 - VERIFY** ACR sees on Laser Lab Blk I/O (LLBI/O) Input 4 **ON**
 - HOLD** LV1G1 LMS **OPEN**
 - VERIFY** ACR sees LLBI/O Input 4 **OFF**
 - CLOSE** LV1G1
 - VERIFY** ACR sees LLBI/O Input 4 **ON**
 - PRESS** Laser Lab side pass P/B
 - VERIFY** While P/B is pressed ACR sees LLBI/O Input 3 **ON**
 - PRESS** Vestibule 1 side pass P/B
 - VERIFY** While P/B is pressed ACR sees LLBI/O Input 3 **ON**
 - PRESS** LL Outside Interlock Off P/B at gate LV1G1
 - VERIFY** While LL Interlock Off P/B is pressed ACR sees **ON**
 - LLBI/O In 6
 - PRESS** Inside Interlock Off P/B on LL Main Panel
 - VERIFY** While Inside Interlock Off P/B is pressed ACR sees **ON**
 - LLBI/O In 6
 - Check for acceptance of Test Laser MS (LMS) at Laser Lab to Vestibule 1 Gate (LV1G1)**

- 1.13 Test Laser MS (LMS) at Vestibule 1 Exit Gate 1 (EVG1)**
- VERIFY** EVG1 has been inspected
 - OPEN** EVG1
 - HOLD** EVG1 LMS **CLOSED**
 - VERIFY** ACR sees on Gun Hutch Blk I/O (GHBI/O) Input 4 **ON**
 - HOLD** EVG1 LMS **OPEN**
 - VERIFY** ACR sees GHBI/O Input 4 **OFF**
 - CLOSE** EVG1
 - VERIFY** ACR sees GHBI/O Input 4 **ON**
 - PRESS** Vestibule 1 side pass P/B
 - VERIFY** While P/B is pressed ACR sees GHBI/O Input 9 **ON**
 - PRESS** Hall side pass P/B
 - VERIFY** While P/B is pressed ACR sees GHBI/O Input 9 **ON**
 - Check for acceptance of Test Laser MS (LMS) at Vestibule 1 Exit Gate 1 (EVG1)**

1.14 Test Laser MS (LMS) at Gun Hutch to Vestibule 1 Gate (GV1G1), Left and Right sides

- VERIFY** GV1G1 has been inspected
- OPEN** GV1G1
- KEEP** GV1G1 LMS right **CLOSED**
- HOLD** GV1G1 LMS left **CLOSED**
- VERIFY** ACR sees on Gun Hutch Blk I/O (GHBI/O) Input 5 **ON**
- HOLD** GV1G1 LMS left **OPEN**
- VERIFY** ACR sees GHBI/O Input 5 **OFF**
- CLOSE** GV1G1
- VERIFY** ACR sees GHBI/O Input 5 **ON**
- KEEP** GV1G1 LMS left **CLOSED**
- HOLD** GV1G1 LMS right **CLOSED**
- VERIFY** ACR sees GHBI/O Input 5 **ON**
- HOLD** GV1G1 LMS right **OPEN**
- VERIFY** ACR sees GHBI/O Input 5 **OFF**
- CLOSE** GV1G1
- VERIFY** ACR sees GHBI/O Input 5 **ON**
- PRESS** Gun Hutch side pass P/B
- VERIFY** While P/B is pressed ACR sees GHBI/O Input 3 **ON**
- PRESS** Vestibule 1 side pass P/B
- VERIFY** While P/B is pressed ACR sees GHBI/O Input 3 **ON**
- PRESS** Outside **Interlock Off P/B** at gate **GV1G1**
- VERIFY** While **Outside** Interlock Off P/B is pressed ACR **ON**
sees GHBI/O In 6
- PRESS** Inside **Interlock Off P/B** on **GH** Main Panel
- VERIFY** While **Inside** Interlock Off P/B is pressed ACR sees **ON**
GHBI/O In 6
- Check for acceptance of Test Laser MS (LMS) at Gun Hutch to Vestibule 1 Gate (GV1G1)**

1.15 Test Laser MS (LMS) at Yag Room to Vestibule 1 Gate (YV1G1)

- VERIFY** YV1G1 has been inspected
- OPEN** YV1G1
- HOLD** YV1G1 LMS **CLOSED**
- VERIFY** ACR sees on Yag Room Blk I/O (YRBI/O) Input 4 **ON**
- HOLD** YV1G1 LMS left **OPEN**
- VERIFY** ACR sees YRBI/O Input 4 **OFF**
- CLOSE** YV1G1
- VERIFY** ACR sees on Yag Room Blk I/O (YRBI/O) Input 4 **ON**
- PRESS** Yag Room side pass P/B
- VERIFY** While P/B is pressed ACR sees YRBI/O Input 3 **ON**
- PRESS** Vestibule 1 side pass P/B
- VERIFY** While P/B is pressed ACR sees YRBI/O Input 3 **ON**
- PRESS** Outside **Interlock Off P/B** at gate **YV1G1**
- VERIFY** While **Outside** Interlock Off P/B is pressed ACR **ON**
sees YRBI/O In 6
- PRESS** Inside **Interlock Off P/B** on **YR** Main Panel
- VERIFY** While **Inside** Interlock Off P/B is pressed ACR sees **ON**
YRBI/O In 6
- Check for acceptance of Test Laser MS (LMS) at Yag Room to Vestibule 1 Gate (YV1G1)**

1.16 Test Laser MS (LMS) at Yag Room to Laser Lab Gate (YLG1), Left and Right sides

- | | | |
|---------------|-------------------------|---------------|
| VERIFY | YLG1 has been inspected | |
| OPEN | YLG1 | |
| KEEP | YLG1 LMS right | CLOSED |
| HOLD | YLG1 LMS left | CLOSED |
- | | | |
|---------------|---|-------------|
| VERIFY | ACR sees on Yag Room Blk I/O (YRBI/O) Input 5 | ON |
| HOLD | YLG1 LMS left | OPEN |
- | | | |
|---------------|-------------------------|---------------|
| VERIFY | ACR sees YRBI/O Input 5 | OFF |
| CLOSE | YLG1 | |
| KEEP | YLG1 LMS left | CLOSED |
| HOLD | YLG1 LMS right | CLOSED |
- | | | |
|---------------|---|-------------|
| VERIFY | ACR sees on Yag Room Blk I/O (YRBI/O) Input 5 | ON |
| HOLD | YLG1 LMS right | OPEN |
- | | | |
|---------------|-------------------------|------------|
| VERIFY | ACR sees YRBI/O Input 5 | OFF |
| CLOSE | YLG1 | |
- | | | |
|---------------|-------------------------|-----------|
| VERIFY | ACR sees YRBI/O Input 5 | ON |
|---------------|-------------------------|-----------|
- Check for acceptance of Test Laser MS (LMS) at Yag Room to Laser Lab Gate (YLG1)**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____