



<input type="checkbox"/> ADMINISTRATE POLICY & PROCEDURE (APP)		<input type="checkbox"/> INSTITUTIONAL POLICY & PROCEDURE (IPP)	
		<input type="checkbox"/> INTERDEPARTMENTAL	<input type="checkbox"/> INTERNAL
TITLE		POLICY NUMBER/V#	
Wall Penetration		MMC-IPC-14 (01)	
INITIATED DATE	EFFECTIVE DATE	REVISED DATE	
02/08/2025	01/09/2025	01/08/2028	
REPLACES NUMBER		NO. OF PAGES	
NA		04	
APPLIES TO		RESPONSIBILITY	
All staff		Nursing and housekeeping	

### 1. PURPOSE:

To outline the process of ensuring that wall penetration on smoke and fire rated walls are sealed resulting from performing maintenance work and major renovation projects in all facilities to avoid spreading smoke and fire as a safety concern in case of any fire incident.

### 2. DEFINITION

Wall Penetration will provide a reasonable defense from fire to the building and structure for safe evacuation.

### 3. RESPONSIBILITY

3.1 Maintenance Manager shall:

3.1.1 Ensure that all scope for maintenance work and renovation project will include the sealing of penetration created during the work.

3.1.2 Evaluate all work requests from the end user that may penetrate smoke or wall barrier.

3.1.3 Conduct inspection of the completed work order to ascertain that all penetration is sealed in accordance with the scope. Require MS Manager to have a list of contractors working in the



facility that may create wall penetration. 3.1.4 Institute a wall inspection schedule to all facilities once every six (6) months.

3.1.5 Issue a notification for any wall penetration items discovered during the inspection for immediate correction.

3.1.6 Ensure that Facility Engineers will inspect all projects done by contractors in compliance of this policy.

3.1.7 Monitor the compliance with this policy. 3

3.1.8 Ensure that all bids and contracts will include the sealing of all smoke and fire barrier penetrations as a result of maintenance work and major projects.

3.1.9 Instruct electricians, plumbers, fire alarm maintenance workers, communication and IT technician, contractors and other maintenance workers to comply with this policy.

3.1.10 Require Section Supervisors to closely monitor their workers and ensure that penetrations are sealed on all the work that was done.

3.1.11 Take immediate corrective action as soon as a penetration is discovered.

3.1.12 Ensure that all fire stop material is readily available and brought thru an accredited fire stop material company.

3.1.13 Inform the Director of FMD of any Contractor who is not compliant with this policy.

## 5. POLICY

This policy is implemented to ensure that the contractor shall abide by the rules and regulation related to the IMC Infection control guidelines in renovation and construction processes, and to the Work Permit policy, Renovation and Construction Process.

## 6. PROCEDURE

### 6.1 Maintenance work and renovation project may involve but is not limited to the following work:

- 6.1.1 Construction
- 6.1.2 Remodeling
- 6.1.3 Expansion
- 6.1.4 Replacement
- 6.1.5 Renovation
- 6.1.6 Interior design/decoration
- 6.1.7 Fabrication



- 6.1.8 Welding
- 6.1.9 Plastering
- 6.1.10 Repair and or
- 6.1.11 Inspection of equipment or facility component.

#### 6.2 Requirements:

- 6.2.1 All pipes, conduit, air ducts, cable trays, pneumatic tubes, wires, cables and other building service equipment that penetrates fire and smoke walls/barriers will be sealed to prevent spread of fire and passage of smoke and fumes.
- 6.2.2 The space between penetrating object and the wall will be filled with an approved fire stop material capable of maintaining the fire resistance of the wall and device.
- 6.2.3 If the penetrating object uses a sleeve to penetrate the barrier, the sleeve will be secured to the barrier. The space between the barrier and the sleeve will be filled with approved fire stop material capable of maintaining the fire resistance of the wall and the device of the specific purpose.
- 6.2.4 Insulation for pipes and ducts will not pass through fire and smoke barrier unless the material is capable of maintaining the fire resistance of the fire smoke barrier and the device specific for its purpose.

#### 6.3 Penetration seals:

- 6.3.1 Fire stopping or fill material will be of nonflammable material which can be shaped, fitted and permanently secured in position of the penetration.
- 6.3.2 Concrete, mortar, grout or gypsum board will be permitted provided it is capable of maintaining the fire resistance of the wall.
- 6.3.3 Certificate from the fire stop material company will be placed in every sealed location by an authorized person.

#### 6.4 Inspection:

- 6.4.1 wall penetration inspections will be conducted every 6 months.

### 7. REFERENCES

- 7.1 NFPA-101 Life Safety Code
- 10.2 Saudi ARAMCO Medical Services Organization



## 8. APPROVAL

APPROVALS & REVIEWS:			
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