



# Addressing Severe Crowding in Entry to Prayer Areas at Shopping Malls in the Gulf Region

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# Outline

- Introduction and Research Problem.
- Background and Space Requirement.
- The Proposed Solution.
- Discussion.



# Introduction and Research Problem

- Nature of the New Malls.





















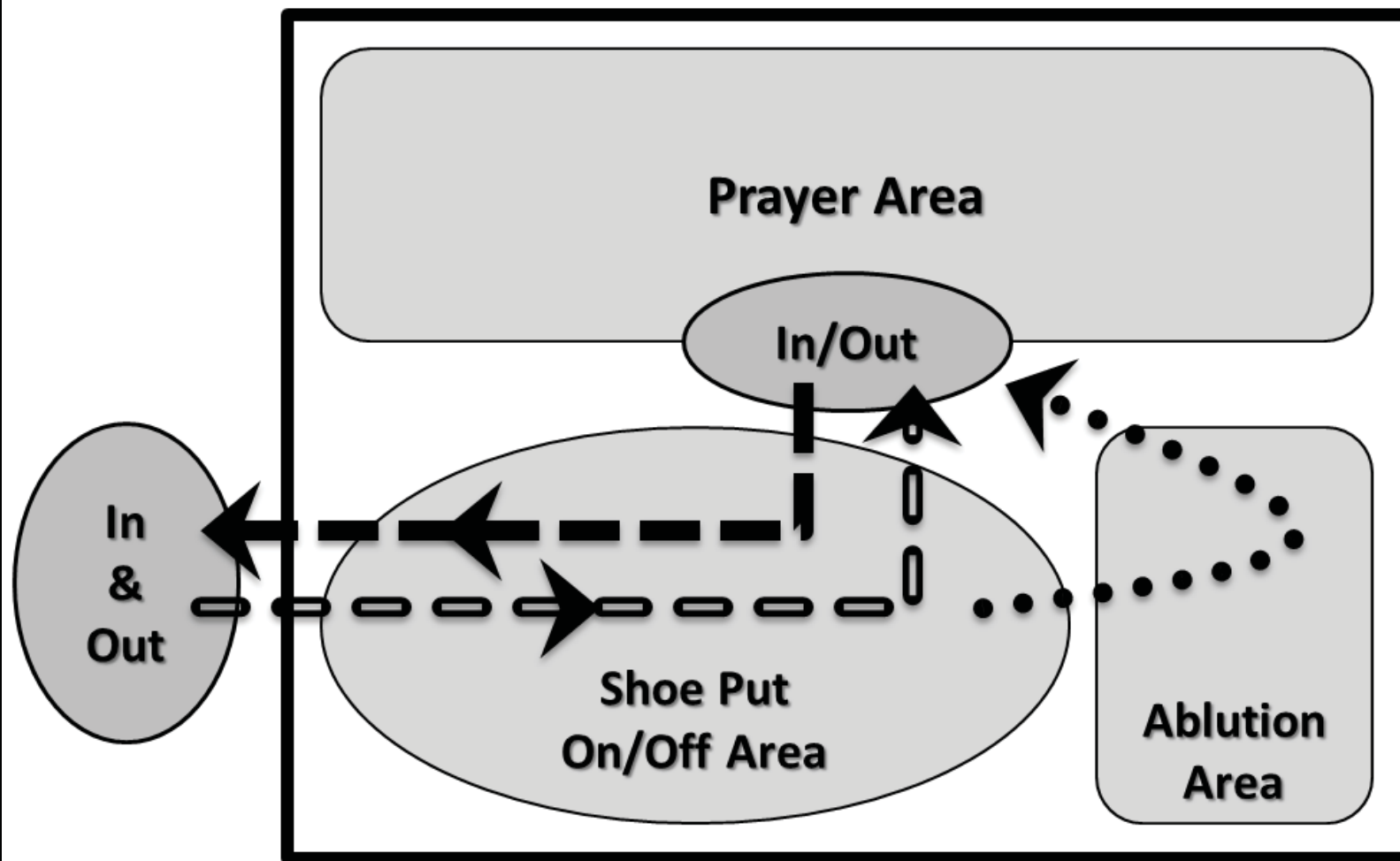




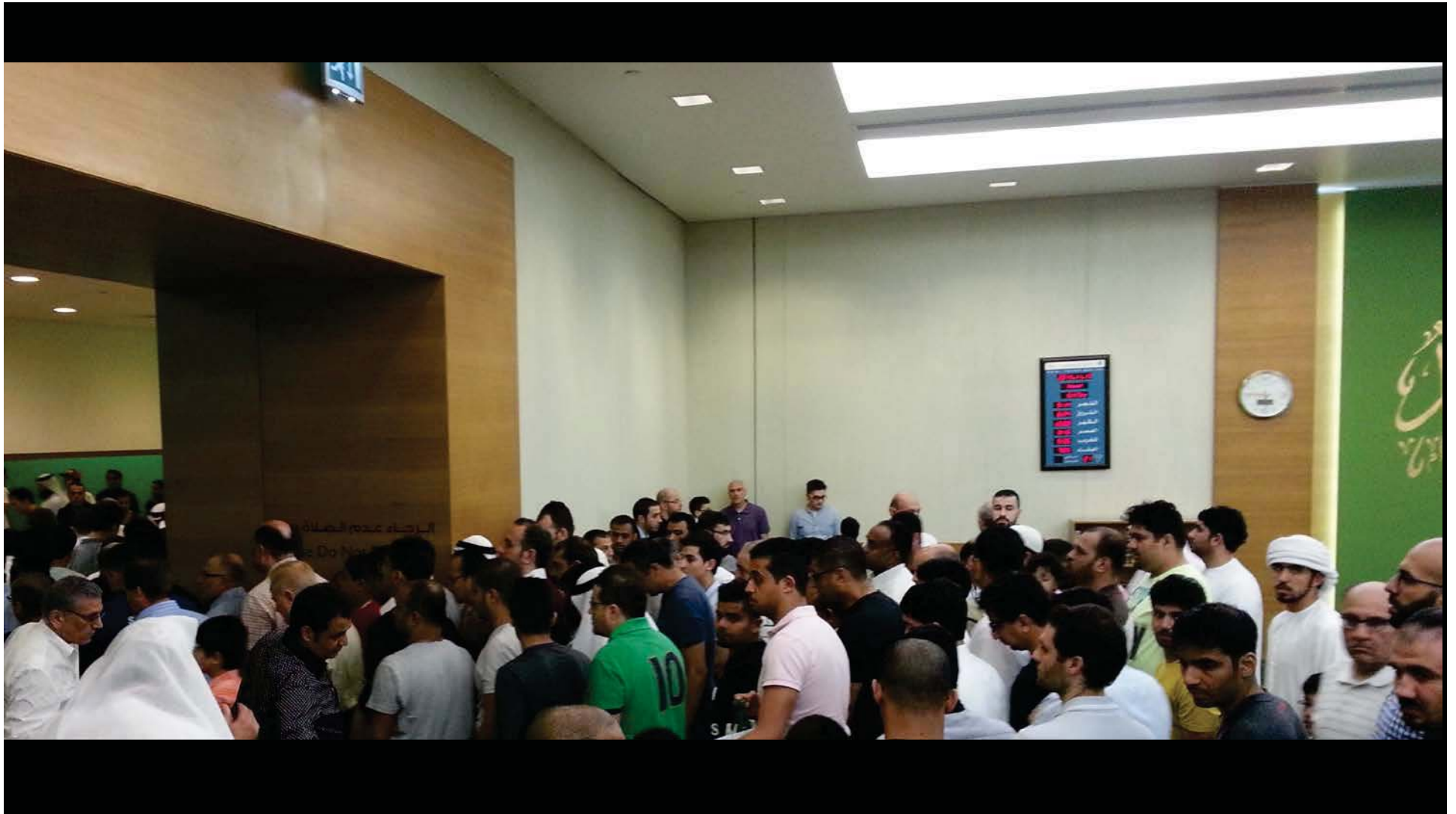








**Prayer Facility**





# Background

- Issues causing the problem.
  - The issue of prayer times.
  - The issue of clean zone.
  - The issue of group praying.

# Background and Space Requirement

- The issue of prayer times

Prayer Name	Time
Fajr	04:01
Sunrise	05:25
Zuhr	12:07
Asr	15:34
Maghrib	18:48
Isha	20:07

Labels on the left: Dawn, Noon, After Noon, Sunset, Night



# Background and Space Requirement

- The issue of clean zone





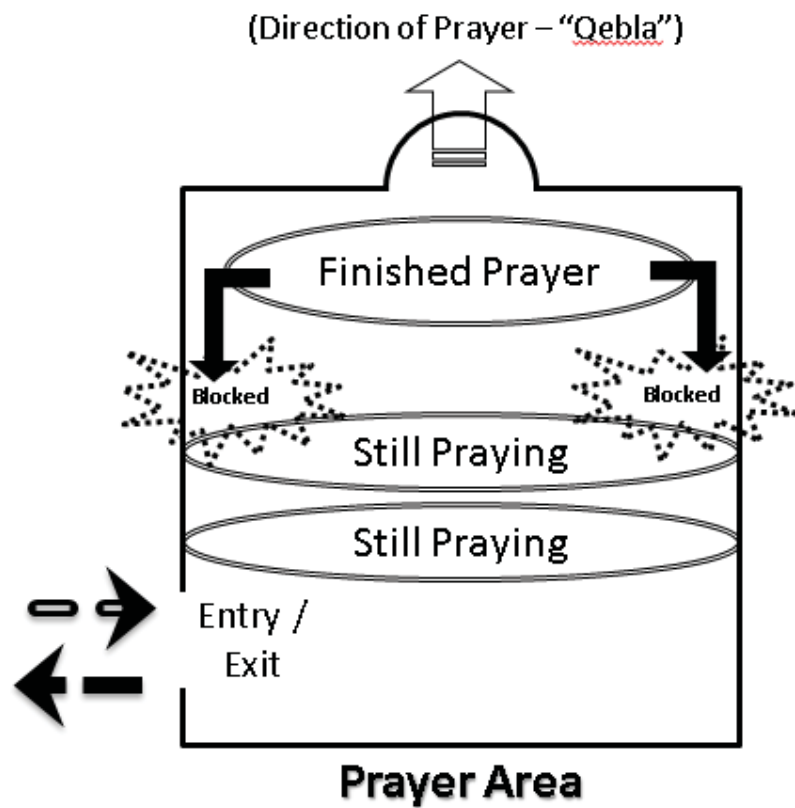


# Background and Space Requirement

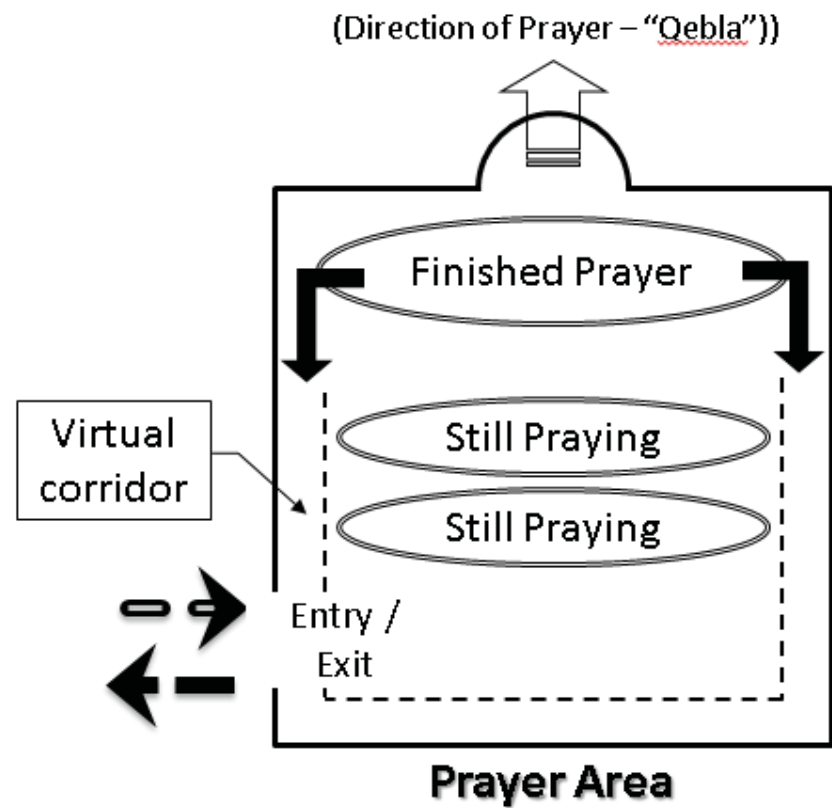
- The issue of group praying



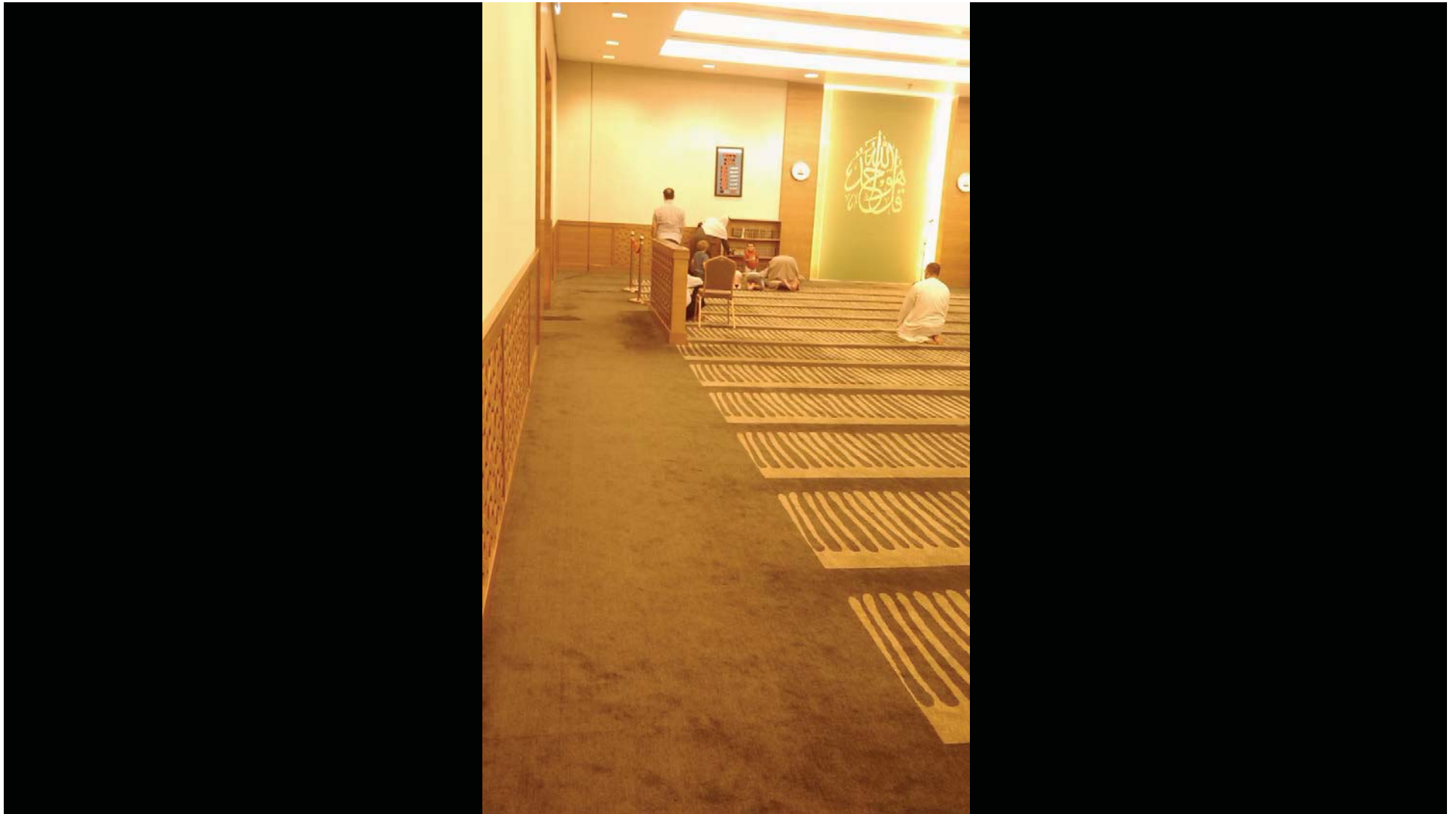


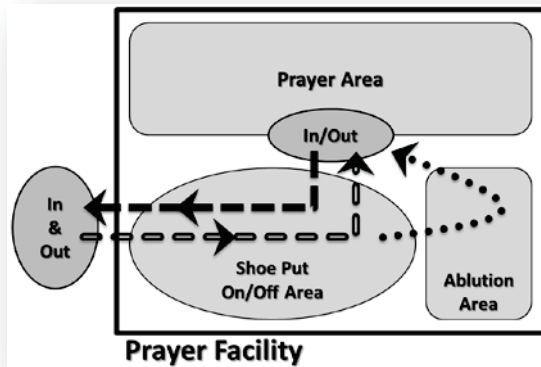


Case (A)



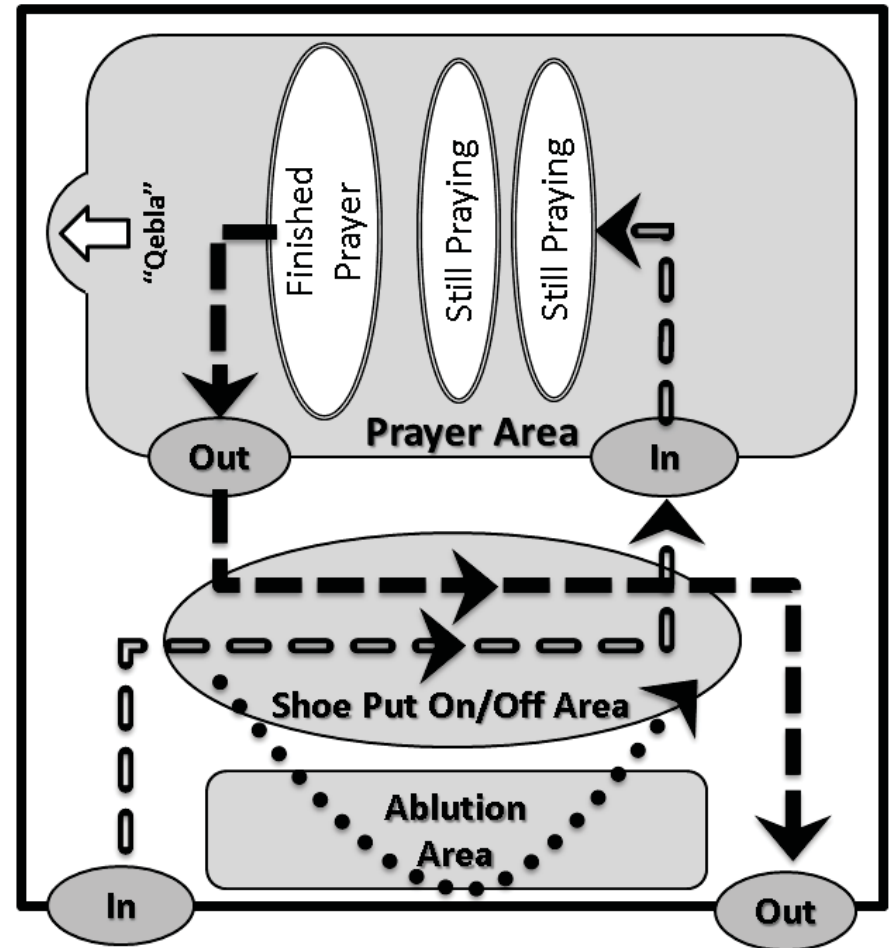
Case (B)





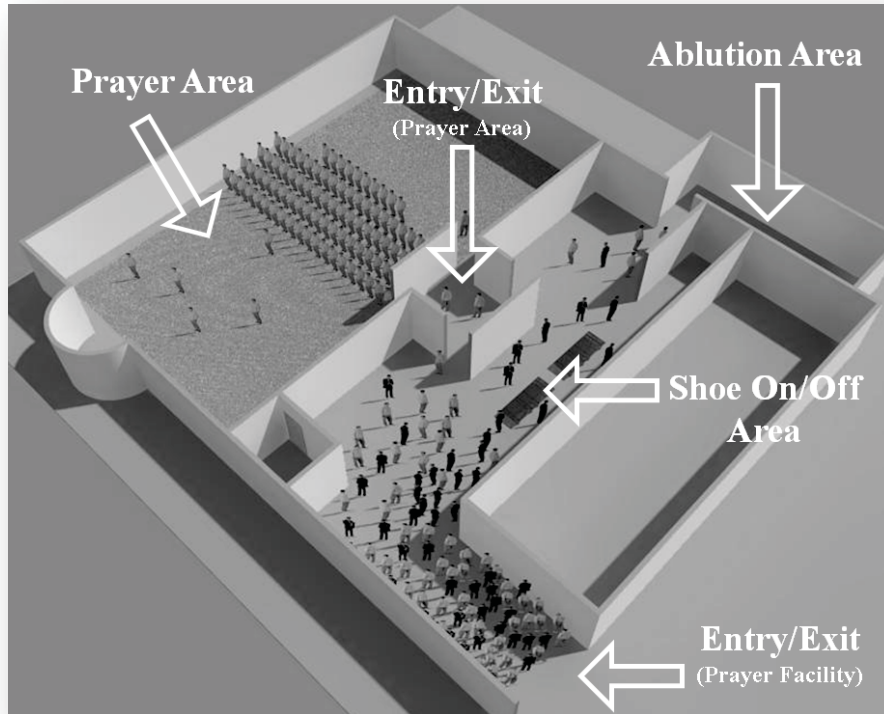
Existing

## The Proposed Solution

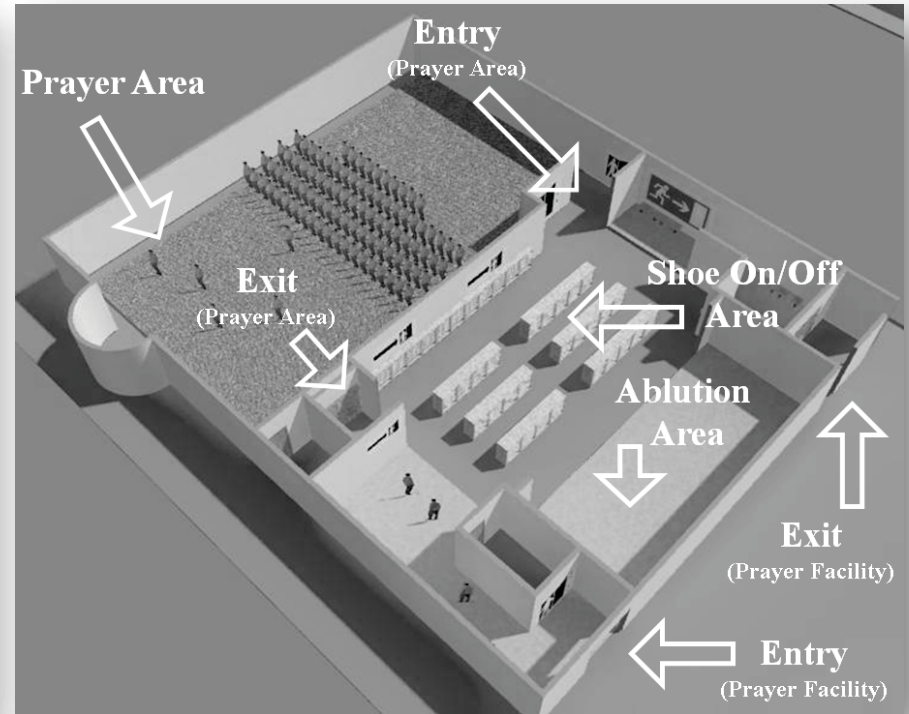


Prayer Facility





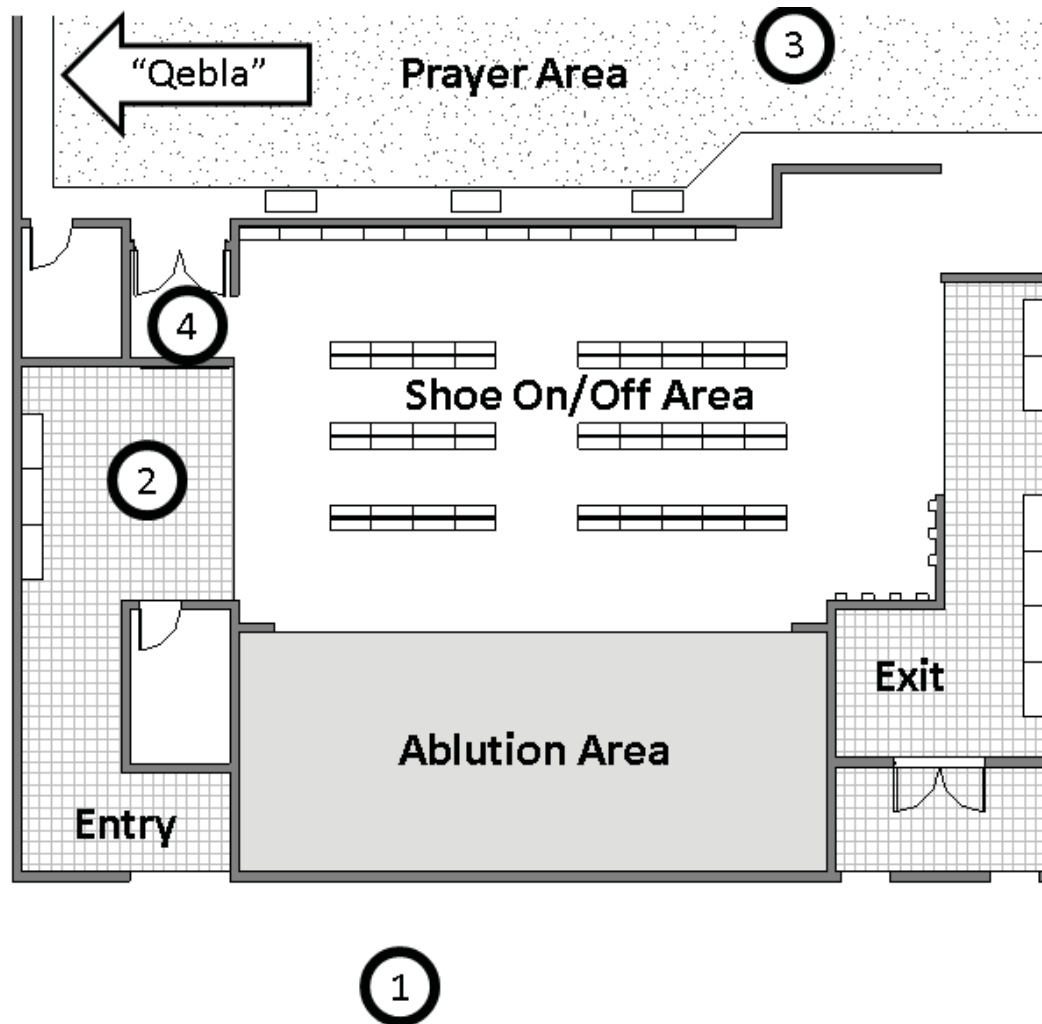
**Perspective plan for the  
existing prayer facility**



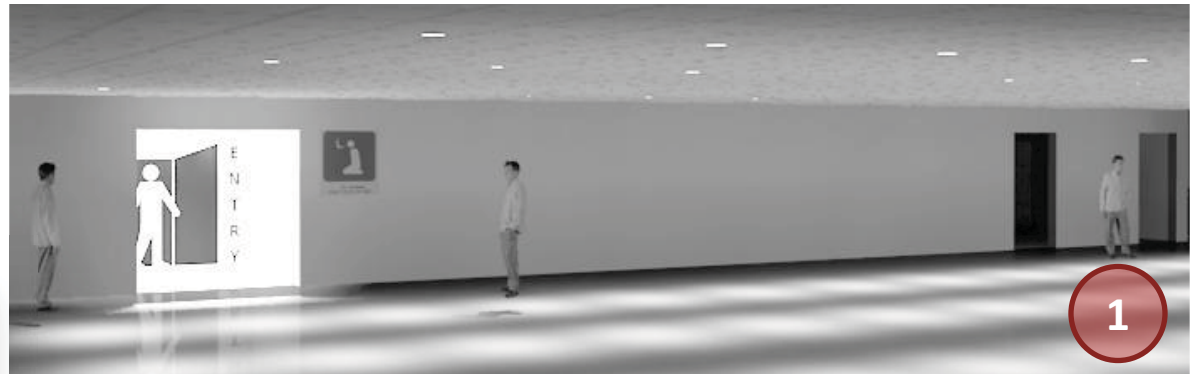
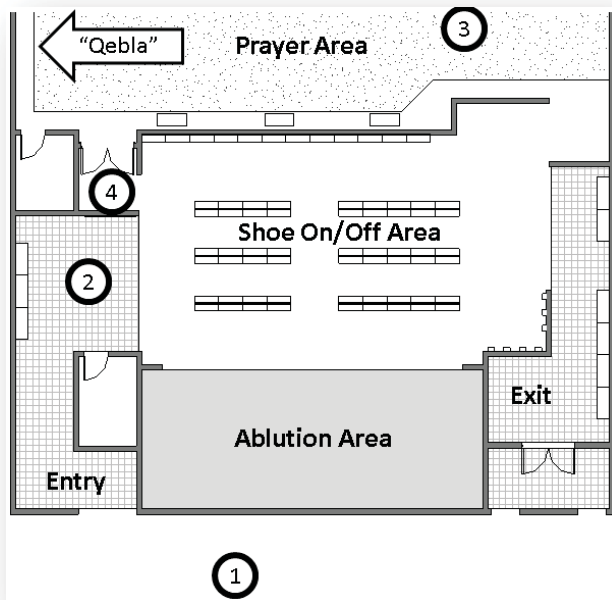
**Perspective plan for the proposed  
design of the prayer facility**

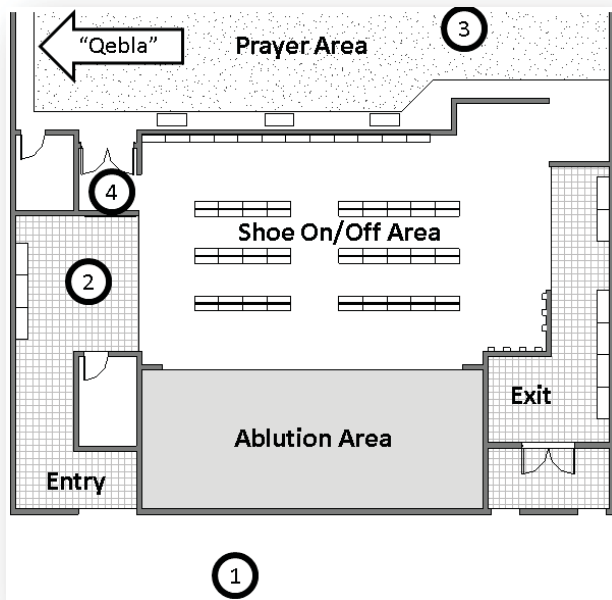
# The Proposed Solution

- Design of the entries and the exits.
- Design of the light.
- Design of the way-finding.
- Design of the virtual corridors.









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**Thank You**

