

# **Quaid-e-Azam Solar Power (Pvt.) Ltd**

## **TENDER FOR CONSTRUCTION WORKS**

Quaid-e-Azam Solar Power (Pvt.) Ltd invites sealed bids from firms having minimum 5 years experience in construction works. The process to be followed will be single stage - single envelope. Firms are required to submit their technical and financial bids in a single envelope. Firms must be registered with PEC and must provide maintenance support. The company requires works for the modifications (which may include construction of walls, plumbing, electrical wiring and finishing) in the main hall situated on the second floor of the Complex building. The company also requires works for the Construction, wiring and finishing of a square-sized room for housing telecommunications equipment near the PTCL Telecommunications tower. The location of both the Complex building and the PTCL tower is at Quaid-e-Azam Solar Power Bahawalpur Site. Technical details are shown in the following pages. The following points must be taken into consideration:

- Bids must be submitted no later than 1430hrs (PST, GMT +5), on 14<sup>th</sup> January 2016. The bids will be opened on the same day at 1500hrs in the presence of the representatives of bidders.
- QAS will not be responsible for any cost or expenses incurred by the bidder in connection with preparation or delivery of bids.
- All prices must be quoted in Pak Rupees and should include any taxes applicable.
- The bidders must ensure their technical proposal follow the Pakistan Building Codes.
- Only bids meeting the required criteria will be entertained.
- The competent authority will follow PPRA rules/ guidelines in selection / rejection of bids.
- Bids, inclusive of everything, shall be valid for 120 days.
- The firms are required to send their bids to the address given below.

### **MANAGER PROCUREMENT**

**3<sup>rd</sup> Floor, NIB Building, 83-A, E-I Main Boulevard Gulberg III, Lahore**

**Phone: 042-35790363-5**

## Technical Details

### Technical Details of two separate rooms in the Main Hall on 2<sup>nd</sup> Floor, Complex Building, QA Solar Bahawalpur Site:

Area of Room 1	= 18.2 m <sup>2</sup>
Area of Room 2	=19.4 m <sup>2</sup>
Area of each wash room	=2.97 m <sup>2</sup>
Wall Thickness	=9'
Toilet door Dimensions	= 2'4" x 7'
Room door Dimensions	= 3' x 7'

(The original and modified layout drawings are given on the next page)

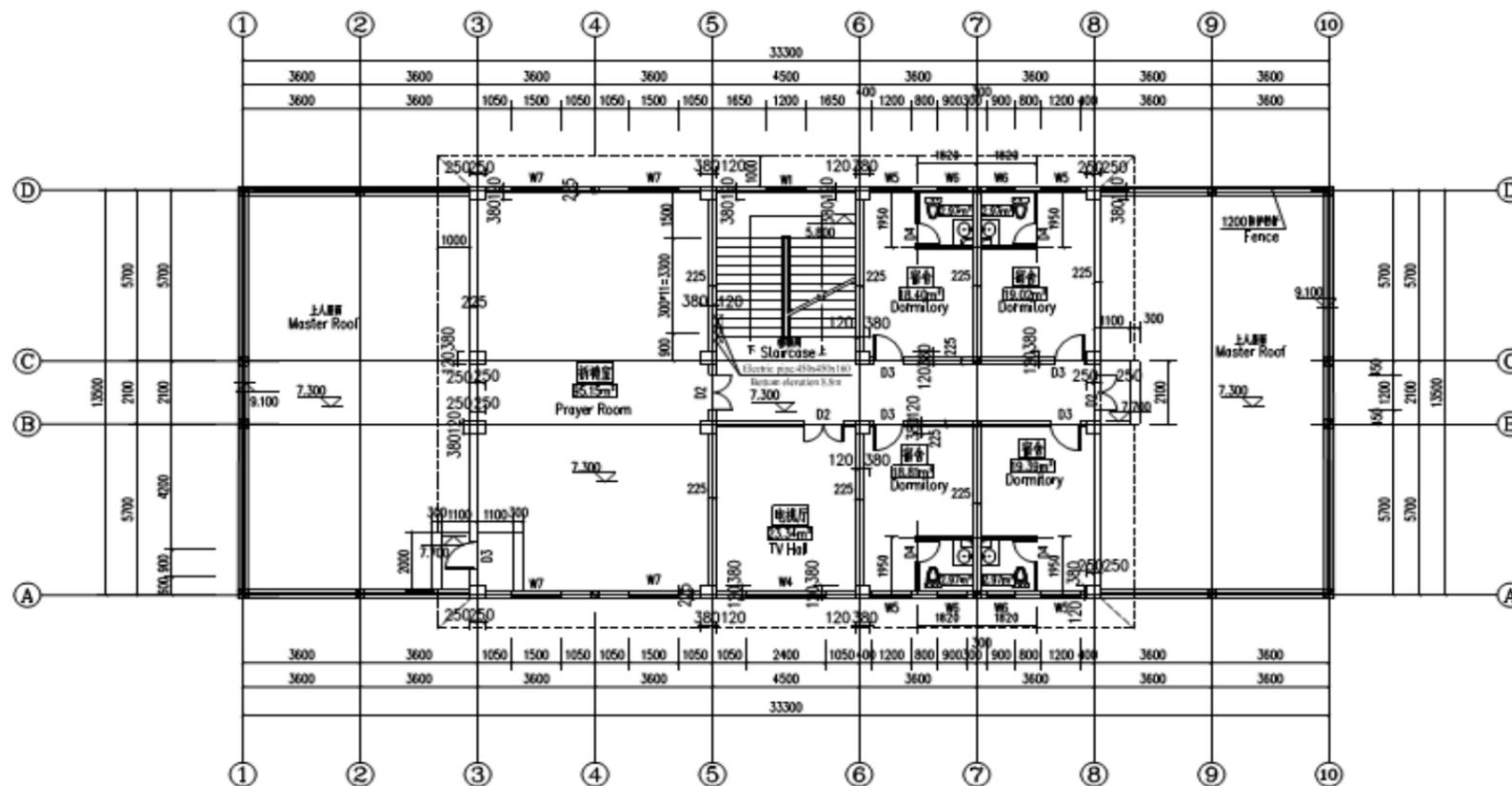
The works shall contain following activities as minimum.

1. Construction of two walls in the main hall.
2. Construction of walls for two Toilets in the main hall.
3. Finishing of Toilets with standard accessories.
4. Installation of Air-conditioners/Heaters (inverter type) in both rooms.
5. All electric wiring including lights within the rooms and toilets.

### PTCL Tower Room, QA Solar Bahawalpur Site:

Room outer dimensions (L x W x H)	= 13'6" x 13'6" x 11'
Room inner dimensions (L x W x H)	= 12' x 12' x 9'4"
Front door Ramp dimensions (L x W x H)	= 3' x 3' x 1 (30° slope)
Front door Dimensions (L x W)	= 7' x 3'
Emergency Exit door Dimensions (L x W)	= 2'6" x 6'6"
Rear Window Dimensions (L x W)	= 4' x 4'
Rear Window Frame	= Aluminum
PVC Sleeve	= 3" Diameter
Paint color	= White (indoor and outdoor)
Painting method	= Plain (un-textured)
Floor	= Cemented, smooth finished surface

# Complex Building Layouts (Original and Modified)



The second floor layout plan of management and control building 1:100

3层平面图 1:100

建筑面积  
265.87m<sup>2</sup>  
FLOOR AREA:  
265.87m<sup>2</sup>

DRAWING & DOCUMENT TITLE / 图名 / 文件名称		DRAWING NO. / 图号
The second floor layout plan of management and control building		H194-C-D-0055
The structural position plan of the second floor of management and control building		H194-C-D-0057
The structural position plan of management and control building		H194-C-D-0059

### DOORS AND WINDOWS SCHEDULES

NO.	SIZE(mm)	QUANTITY	FRAME	MATERIAL
DOOR D3	900x2100	5	Wooden doors	
DOOR D2	1200x2100	3	Wooden doors	
DOOR D4	700x2100	4	Wooden doors	
WINDOW W1	1200x2200	1	Aluminium alloy	TINT GLASS 3 mm. T.H.
WINDOW W4	1800x2500	1	Aluminium alloy	TINT GLASS 3 mm. T.H.
WINDOW W5	1200x1800	4	Aluminium alloy	TINT GLASS 3 mm. T.H.
WINDOW W6	900x1200	4	Aluminium alloy	TINT GLASS 3 mm. T.H./Frosted glass
WINDOW W7	1500x900	4	Aluminium alloy	TINT GLASS 3 mm. T.H.

### NOTES / 说明

- This drawing shows 100 MW PV POWER PLANT AT QAUID-E-AZAM SOLAR PARK, BAHAWALPUR, of management area building plans.
- This floor building area: 265.87 square meters, total construction area: 1,187.55 sqm.
2. 本层建筑面积: 265.87平方米, 总建筑面积: 1187.55平方米。
3. Structure: frame structure
3. 结构: 框架结构。
4. Without especially note, Building exterior and inner wall using brick with thickness of 225mm, 1:2.5 cement mortar.
4. 除特别说明, 建筑外墙、内墙采用225mm, 1:2.5水泥砂浆。
5. KZ1(Frame Column)-sectional size of 500x500mm, unlabeled column are KZ1 5JKZ1(Frame Column)-截面尺寸500mmx500mm, 未标注的柱为KZ1, 5JKZ1。
6. Note that this graph (line position, according to the drain location fine tuning to meet the exhaust, drainage and seepage layout.
6. 注意: 此图(线位置, 根据排水位置微调, 以满足排气、排水和渗水布局。
7. All dimensions are in mm. and all levels are in m.
7. 所有尺寸均为毫米, 所有标高均为米。

### LEGEND

■ SZ Refer to H194-C-D-0055

NO.	DATE / 日期	ISSUE / 说明	PREPARED / 编制	CHECKED / 审核	APPROVED / 批准
2	05.08.2014	ISSUED FOR CONSTRUCTION			
1	02.08.2014	ISSUED FOR INFORMATION			
D	26.08.2014	ISSUED FOR INFORMATION			
C	23.07.2014	ISSUED FOR APPROVAL			
B	06.08.2014	ISSUED FOR APPROVAL			
A	04.08.2014	ISSUED FOR APPROVAL			

PROJECT TITLE: 100 MW PV POWER PLANT AT QAUID-E-AZAM SOLAR PARK BAHAWALPUR

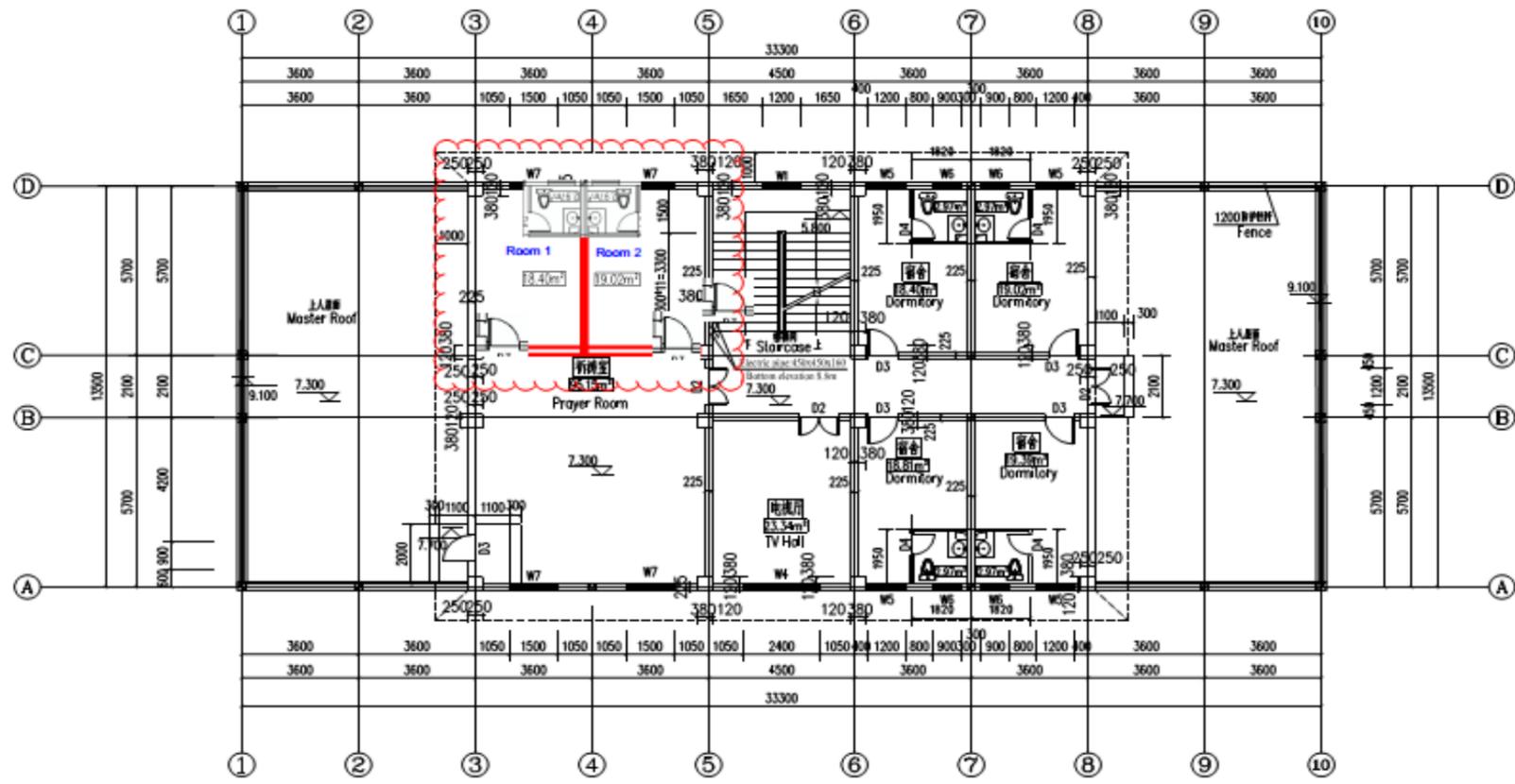
CLIENT: QAUID-E-AZAM SOLAR POWER Pvt. (Ltd)

CLIENT LOGO: TBEA Sun Oasis Pvt. (Ltd)

CLIENT LOGO: ILF CONSULTING ENGINEERS

DRAWING TITLE: THE Second Floor layout plan of Management and Control Building

SCALE: 1:100, PROJECT: H194, DRAWING NO: H194-C-D-0052/H194-C0202-06, SHEET: 1 OF 1



The second floor layout plan of management and control building 1:100  
 3层平面图 1:100  
 FLOOR AREA: 265.87m<sup>2</sup>

REFERENCE DRAWINGS & DOCUMENTS: (中外文对照)

DRAWING & DOCUMENT TITLE (中外文对照)	NO./NO. (DRAWING NO. / NO.)
The structure layout plan of column of Management and Control Building	H194-C-D-0055
The structure layout plan of the beam of Management and Control Building	H194-C-D-0057
The structure layout of column of Management and Control Building	H194-C-D-0059

DOORS AND WINDOWS SCHEDULES

NO.	SIZE (mm)	QUANTITY	FRAME	MATERIAL	
DOOR	D3	900x2100	5	Wooden doors	
	D2	1200x2100	3	Wooden doors	
	D4	700x2100	4	Wooden doors	
	W1	1200x1200	1	Aluminium alloy	TINT GLASS 3 mm. TPK.
WINDOW	W4	1800x1500	1	Aluminium alloy	TINT GLASS 3 mm. TPK.
	W5	1200x1800	4	Aluminium alloy	TINT GLASS 3 mm. TPK.
	W6	900x1200	4	Aluminium alloy	TINT GLASS 3 mm. TPK. (Tinted glass)
	W7	1500x900	4	Aluminium alloy	TINT GLASS 3 mm. TPK.

- NOTES / (CN)
- This drawing shows 100 MW PV POWER PLANT AT QUAID-E-AZAM SOLAR PARK, BAHAWALPUR, of management area building plans.
  - This floor building area: 265.87 square meters, total construction area: 1,187.55 sqm.
  - Structure: frame structure.
  - Without especially note, Building exterior and inner wall using brick with thickness of 225mm, 1:2.5 cement mortar.
  - K21 (Frame Column)-sectional size of 500x500mm, unlabeled column are K21.
  - K21 (Frame Column) 截面尺寸 500mmx500mm, 未标注的柱子均为 K21.
  - Note that this graph true position, according to the drain location line tuning to meet the exhaust, drainage and aesthetic layout.
  - All dimensions are in mm, and all levels are in m.
  - 所有尺寸均为毫米, 所有标高均为米。

LEGEND

■ SZ Refer to H194-C-D-0055

2	04.04.2014	ISSUED FOR CONSTRUCTION	DRG. NO.	REV. NO.	ISSUED FOR CONSTRUCTION
1	02.04.2014	ISSUED FOR INFORMATION	DRG. NO.	REV. NO.	ISSUED FOR INFORMATION
0	26.04.2014	ISSUED FOR INFORMATION	DRG. NO.	REV. NO.	ISSUED FOR INFORMATION
C	23.07.2014	ISSUED FOR APPROVAL	DRG. NO.	REV. NO.	ISSUED FOR APPROVAL
B	04.04.2014	ISSUED FOR APPROVAL	DRG. NO.	REV. NO.	ISSUED FOR APPROVAL
A	04.04.2014	ISSUED FOR APPROVAL	DRG. NO.	REV. NO.	ISSUED FOR APPROVAL

PROJECT: 100 MW PV POWER PLANT AT QUAID-E-AZAM SOLAR PARK BAHAWALPUR

CLIENT: QUAID-E-AZAM SOLAR POWER Pvt. (Ltd)

CLIENT LOGO:

CLIENT NAME: TBEA SUN OASIS Pvt. (Ltd)

CLIENT LOGO:

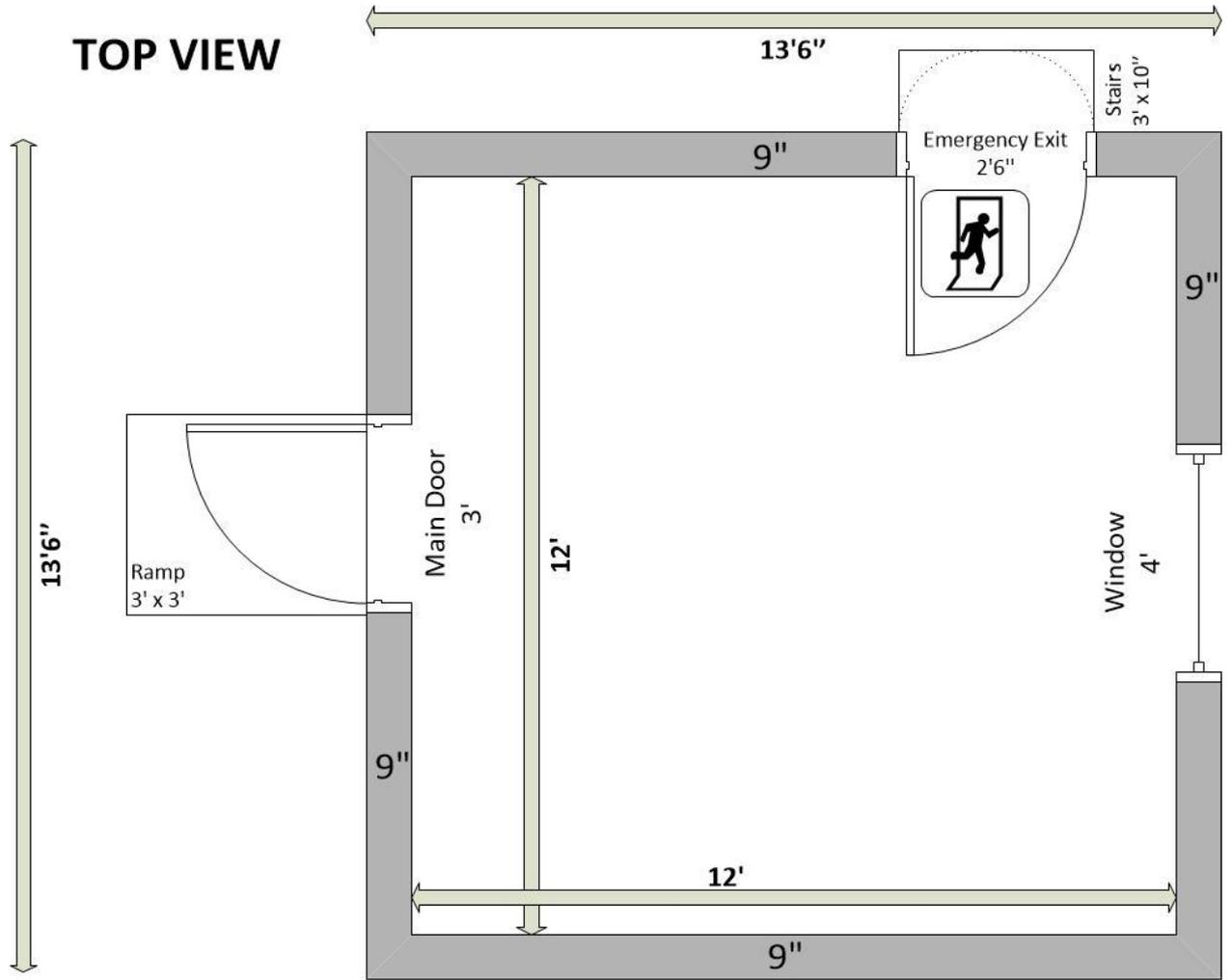
CONSULTANT: ILF CONSULTING ENGINEERS

CONSULTANT LOGO:

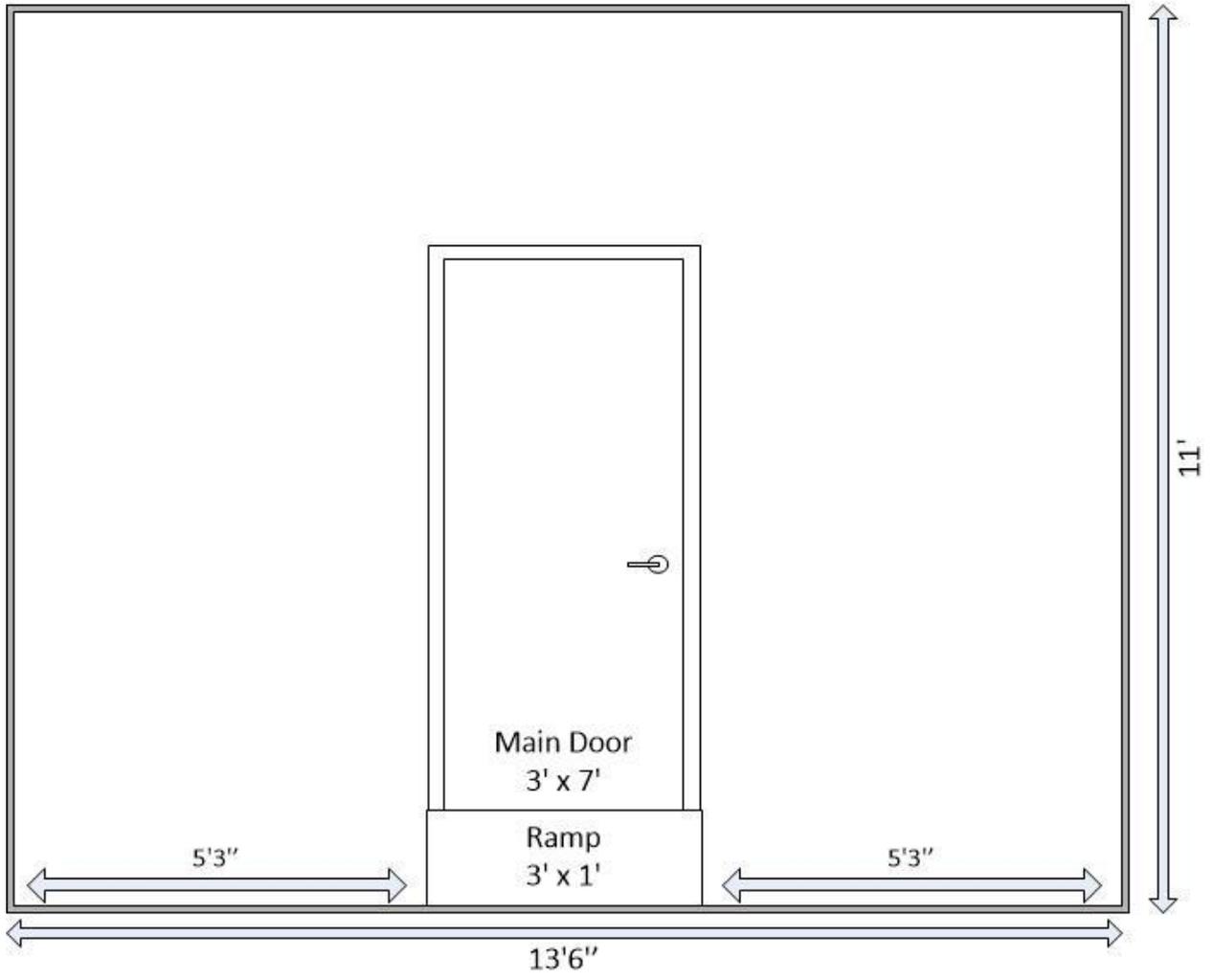
DRAWING TITLE: THE Second Floor layout plan of Management and Control Building

SCALE: 1:100	DATE: 04.04.2014	PROJECT NO.: H194-C-D-0052/H194-C-0020-06	NO. OF SHEETS: 1 OF 1
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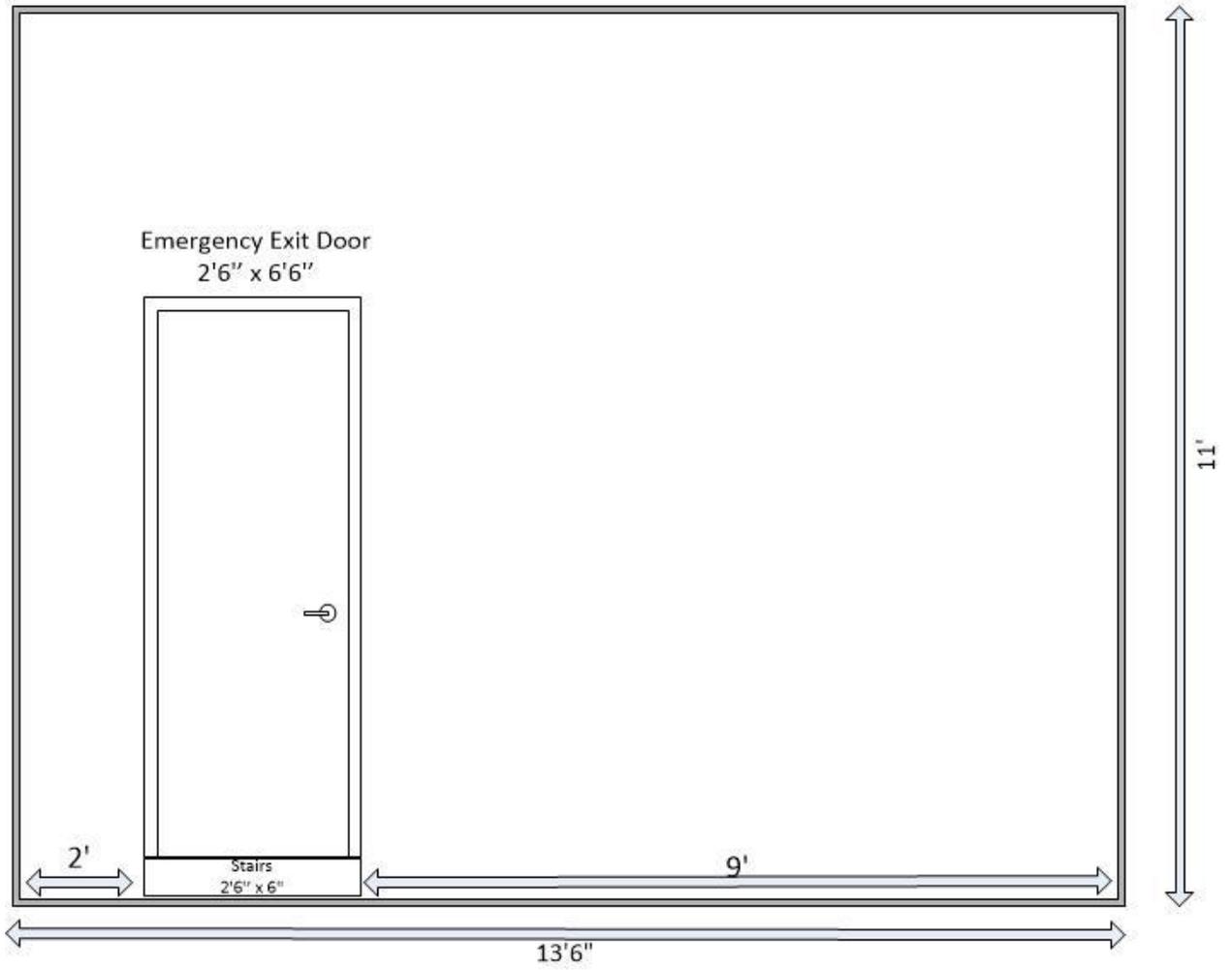
# PTCL TOWER ROOM (Layout Drawings)



# FRONT VIEW



# SIDE VIEW



# REAR VIEW

