

**Tender Notification for the Furnishing of an “Auditorium (Named Professor K P Abraham Auditorium)” at IISc (Last Date for submission of tenders: 06/11/2020)**

Dear Sir/Madam,

We float this national tender for furnishing an auditorium at Department of Materials Engineering at Indian Institute of Science. The drawing for the auditorium is attached with this document and the critical technical specifications are mentioned below. We request you to kindly send your best quotation for the same (inclusive of taxes as applicable). Your quotation should clearly indicate the terms of delivery, delivery schedule, payment terms, etc. The tender should be submitted in two separate sealed envelopes - one containing the technical bid and the other containing the commercial bid, both of which should reach us, duly signed on or before 17:00 hours 6<sup>th</sup> November 2020. Please enclose a compliance certificate along with the technical bid.

**TECHNICAL SPECIFICATIONS**

**Seating (see pages 3 to 7 of the attached drawing for details):**

- Number of seats: 68 non-reclining chairs fitted to the floor with space for 4 wheelchairs in the front row.
- 64 chairs should be arranged in 8 rows with 8 chairs in each row. The front row (i.e., 9<sup>th</sup> row) should have 4 floor fitted non-reclining chairs with space for 4 additional chairs available for wheelchairs.
- Dimensions and fabric of chair as per drawing given in page 9 of the attached drawings.
- Frame of the chair should be powder coated

**Stage and flooring (see pages 2 to 5, 6 and 7 of the attached drawing for details):**

- A stepped flooring between each seating row;
- Floor can be made of concrete with proper adhesion consideration.
- All aisles will have smooth ramp (i.e., no step), flushed with the door landing.
- Podium should be provided on the stage
- Wheelchair access to the stage should be given

**Acoustics (see pages 5, 6 and 8 of the attached drawing for details):**

- Vinyl flooring: Minimum thickness of 5 mm (entire room, including stage)

- Acoustic wall fittings: Bottom 3 ft (or from floor up to the window whichever is less) with 5 mm thick vinyl (similar material as of the floor, but can be of different color) or wooden material; Remaining wall coverage (at least up to the false ceiling) by an acoustic material with an NRC of 0.8 or better
- False ceiling with a material having acoustics performance of 0.8 NRC or better and good light absorption performance (so that glare from lightening be reduced); provisions for accommodating existing AC ducting
- Acoustic double doors on all three doors of the auditorium; all doors should open outside the auditorium
- Acoustically graded (NRC > 0.45) window rolls/ curtains on all windows
- All wall and ceiling materials should be fire retardant (Class 150 or better)

**Electrical lightening (see pages 5, 6, 7 and 10 of the attached drawing for details):**

- Enough number of warm LED lights should be provided
- Lights for the stage and seating spaces should be switched on and off independently; At least one switch per row of lighting
- 10 universal plug points, 15 A each, accessible to the stage should be fitted
- 20 universal plug points, 5 A each, accessible to the seats should be fitted to designated chairs
- Conduits and fixtures should be provided at appropriate locations for audio-visual-TV connections
- All electrical cables should be concealed
- Electrical drawing should be provided

**General**

- Smoke detectors: 4 (connected to existing setup)
- Signs for exit and pathway lighting guiding towards the door should be provided.
- Provisions to place 4 fire extinguishers at each corner of the auditorium
- Provisions for AC controls inside the auditorium should be provided.
- Vendors should provide options for colors for floor, wall, curtain, etc.

## **TERMS & CONDITIONS**

1. Two-bid system (separate technical and financial bids) in sealed tenders.
2. The technical bid must clearly specify the prescribed technical specifications without including the prices. Please provide in detail the specifications under the above subheads. Unique characteristics may be highlighted. Vendors who include price information in the technical bids will be automatically disqualified.
3. Technical bids will be opened first. IISc may seek clarifications after opening of technical bids and may ask them to give presentations. A third-party expert may attend the presentation, to access the validity of the claims made by the vendor.
4. There are several items that require information to be provided by the supplier. If information is not provided against any of these items, this will disqualify the supplier.
5. After technical evaluation by a committee, vendors may be asked to re-quote in a specific format to facilitate comparison of prices.
6. Price bids of only technically qualified vendors will be considered.
7. The price bids must include taxes, as applicable for IISc.
8. Indicate period for completion of the work.
9. Order will be placed on the lowest bid from technically qualified vendor.
10. Upon completion of the work, the quality and compliance of the job will be accessed by a third part expert. Only after successful certification of the work as per the tender document, the payment will be made.
11. As noted in the drawings below, the vendor must provide choices of color of various components of the auditorium (such as chairs, flooring, wall panels, ceiling panels, etc.) without any additional cost. The final color choices will be made after selection of the vendor and before the start of the work.
12. IISc also reserves the right to cancel the tender at any time without assigning any reason whatsoever.
13. Payment terms: As per IISc regulations
14. The tender documents can be sent at the following address:

The Chairman

Department of Materials Engineering

Indian Institute of Science, Bangalore 560012

Karnataka (INDIA)

SCHEMATIC PRESENTATION

# KPA AUDITORIUM

Department of Materials Engineering,  
Indian Institute of Science, Bangalore

## Drawing - Page 2

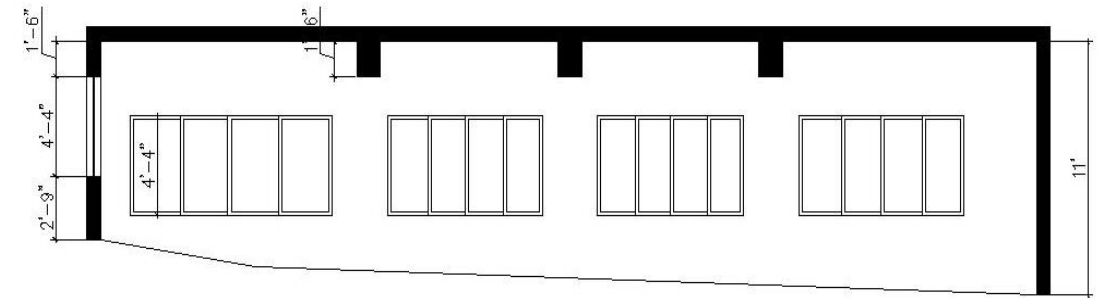
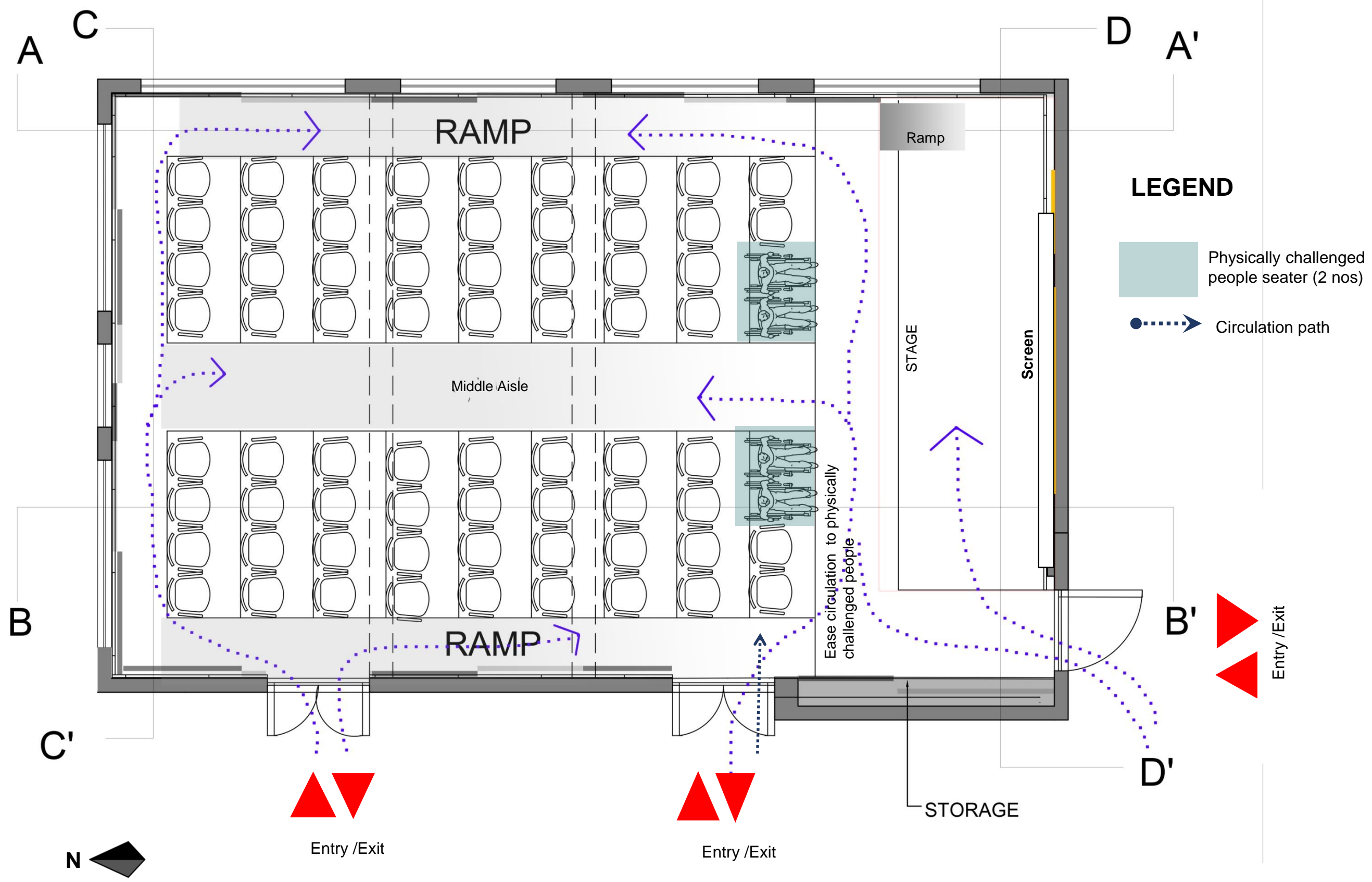


Diagram of a rectangular room layout. The left wall has a vertical dimension of 11'. A doorway on the left wall is labeled 4'-4". On the right wall, there is a vertical dimension of 7' and a horizontal dimension of 2'-1".

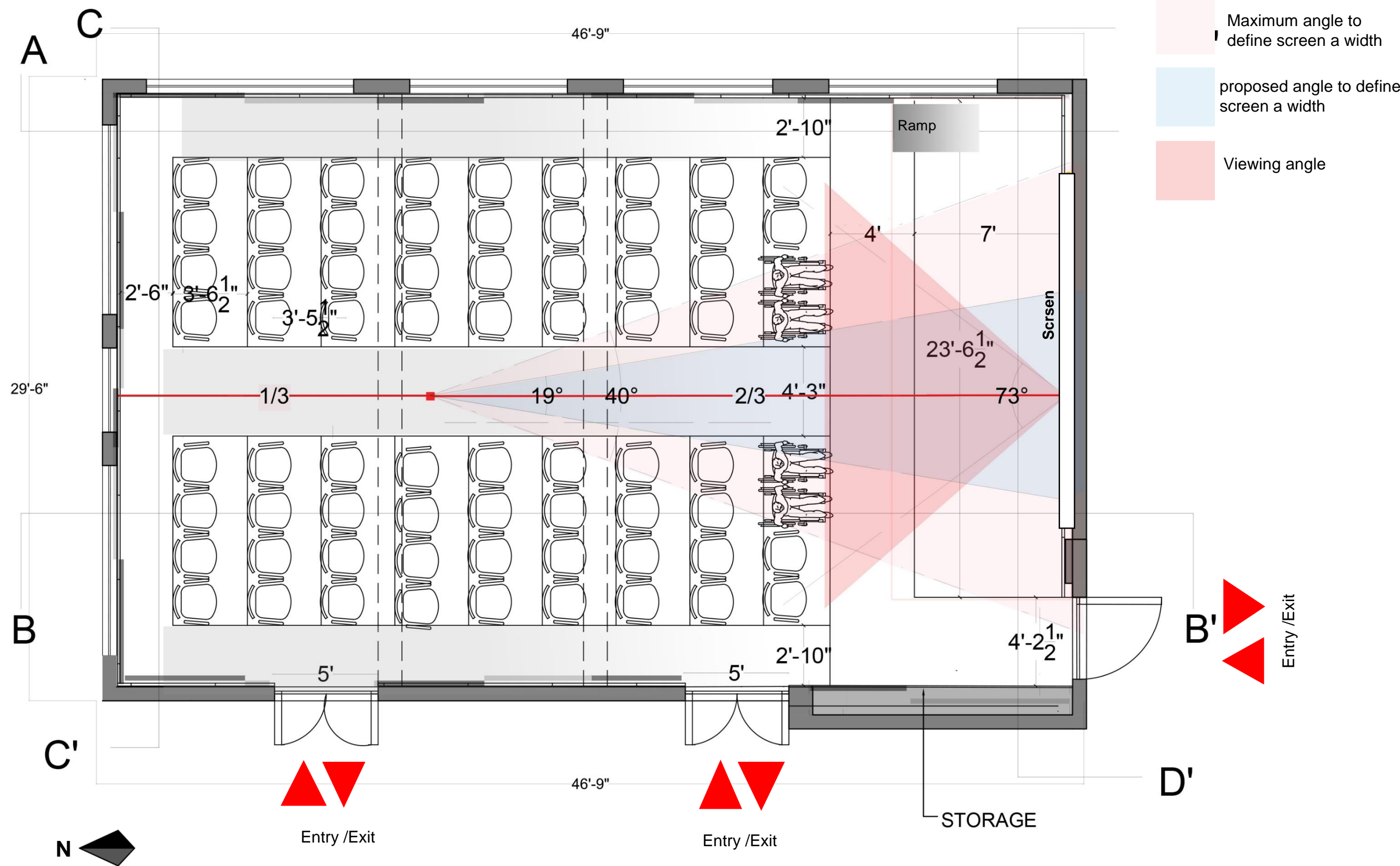
**+ 4 seats reserved for physically challenged**



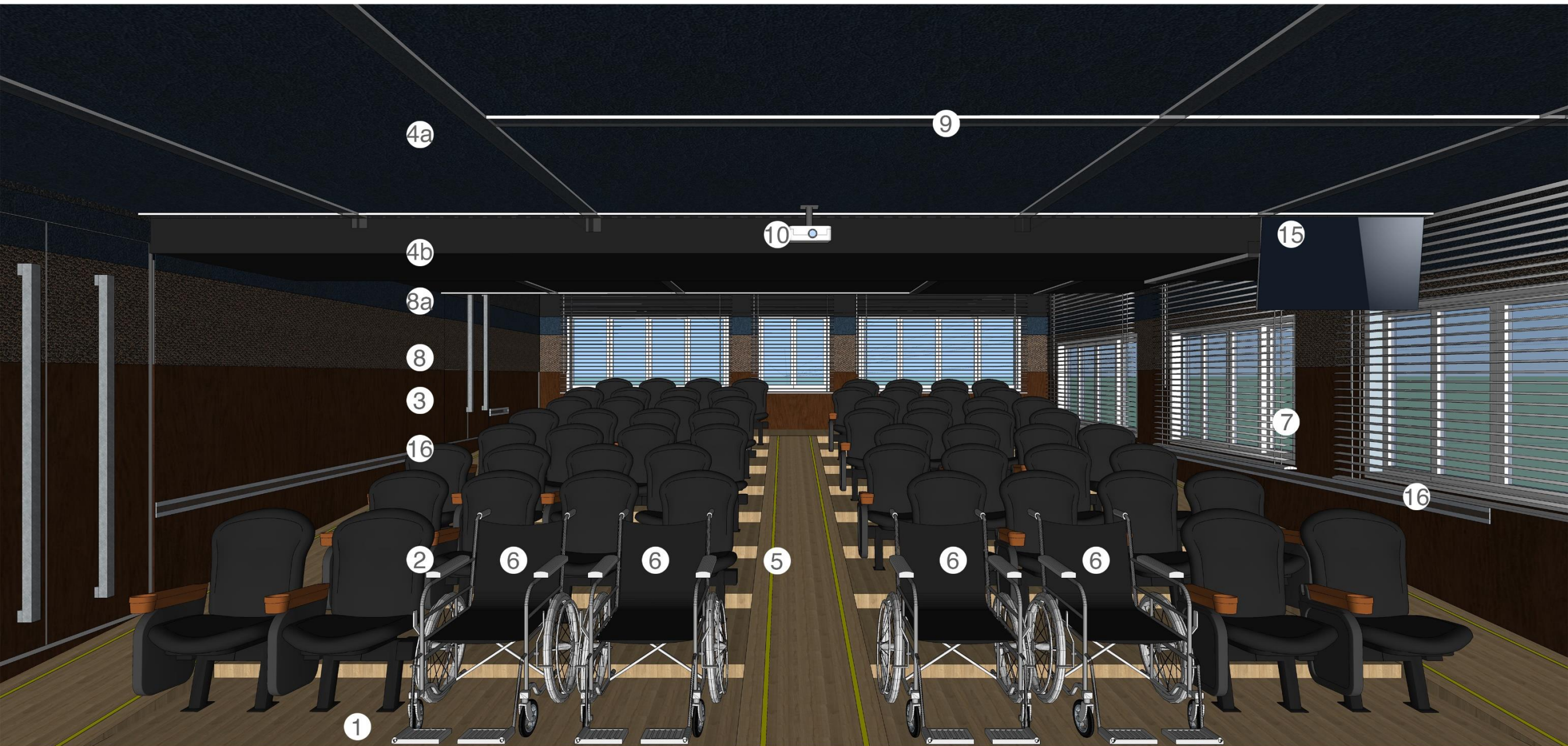
Maximum angle to  
define screen a width

proposed angle to define  
screen a width

Viewing angle







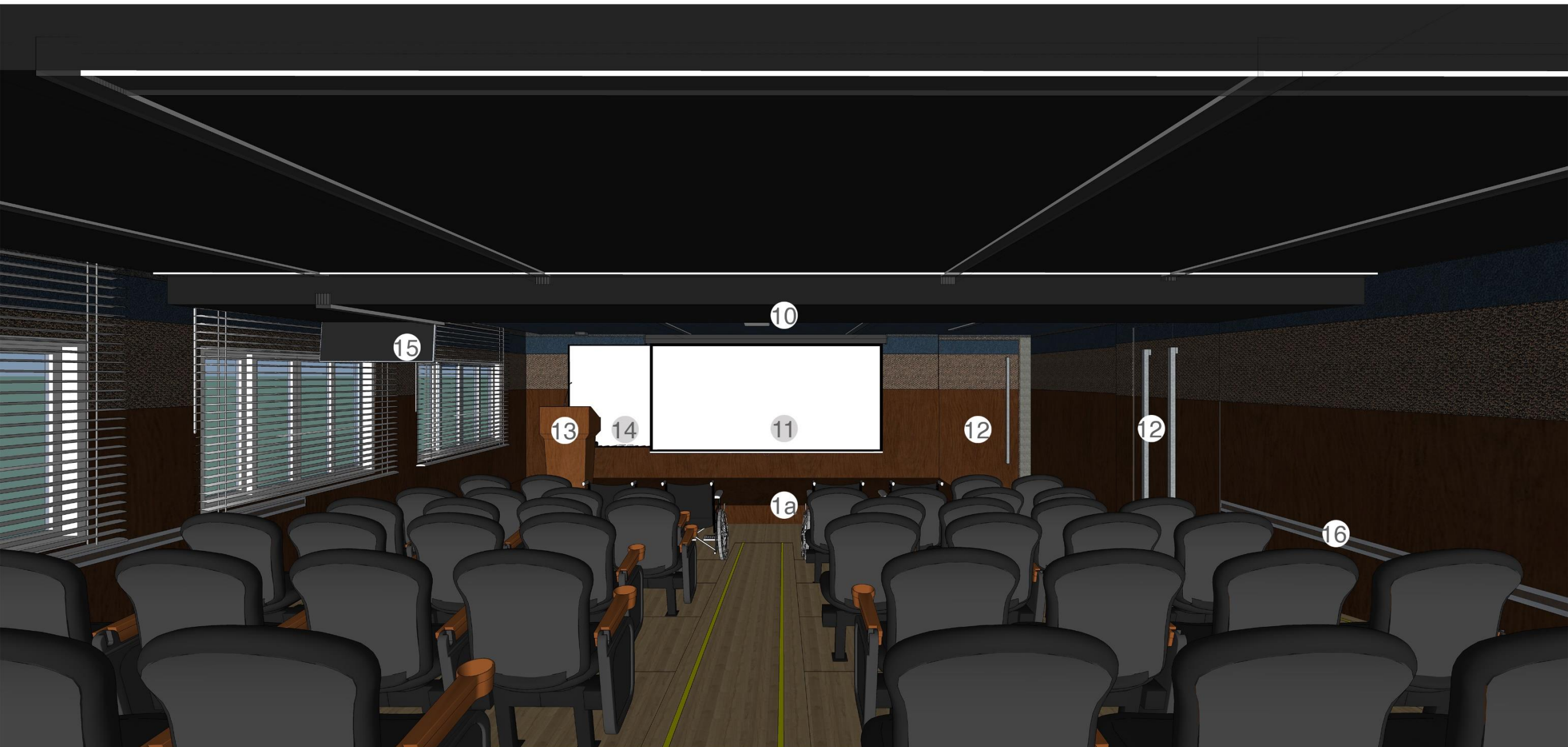
1. 5mm thick vinyl flooring.
2. Retractable Upholstered chairs with writing desk.
3. 5mm thick vinyl skirting of 3' high.
4. (a) Ceiling : Acoustical wooden wool Ceiling panels.  
(b) Acoustical wooden wool Ceiling panels.
5. Strip lighting to illuminate path.
6. 4 seats reserved for physically challenged.

7. Window Blinds with NRC more than 0.45 grade.
8. Acoustic fabric wrapped panels for walls.
- 8a. Acoustic fabric wrapped panels for walls.
9. Recessed strip lighting in ceiling.

10. Projector
15. TV screen for presenter. ] PROVISIONS
16. Recessed power track on either side of walls at window sill lvl.

Note: (i) For 4(a), 4(b), 8 and 8a the NRC should be more or equal to than 0.8 grade  
(ii) Multiple color option for vinyl flooring, wall panel, ceiling panels, etc. should be provided





1a. 5mm thick vinyl flooring for stage.

10. Projector

11. Screen

12.Acoustic grade Door.

13.Podium with a mike and light facility.

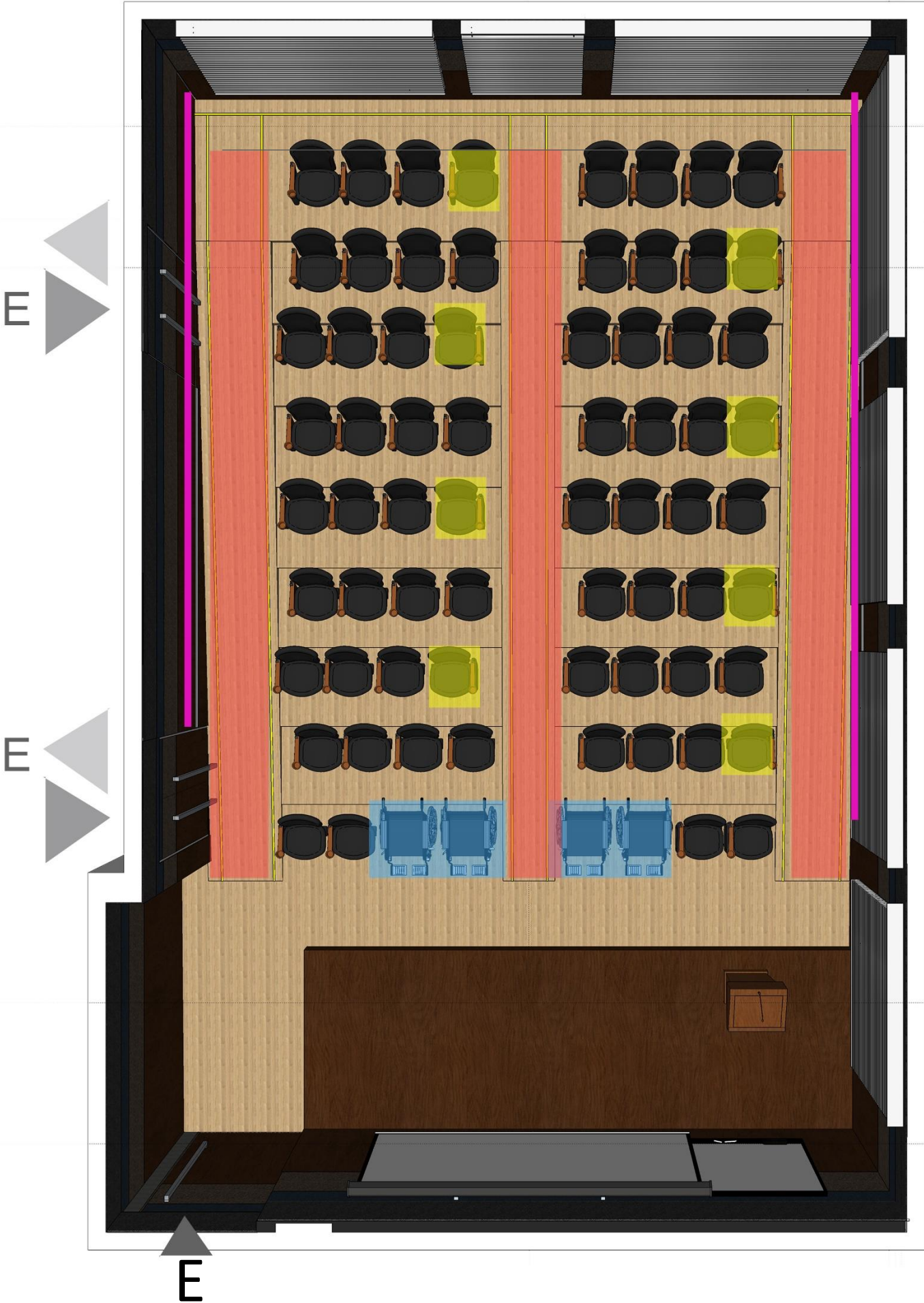
14.White board

15.TV Screen for presenter.

16.Recessed power track on either side of walls.

Materials used are fire retardanr/ firesafe grade.





Retractable chairs for right handers.(60 Seats)



Retractable chairs for left handers. ( 8 Seats )



Reserved for physically challenged. ( 4 Seats)

Total number of seating capacity for auditorium - 72



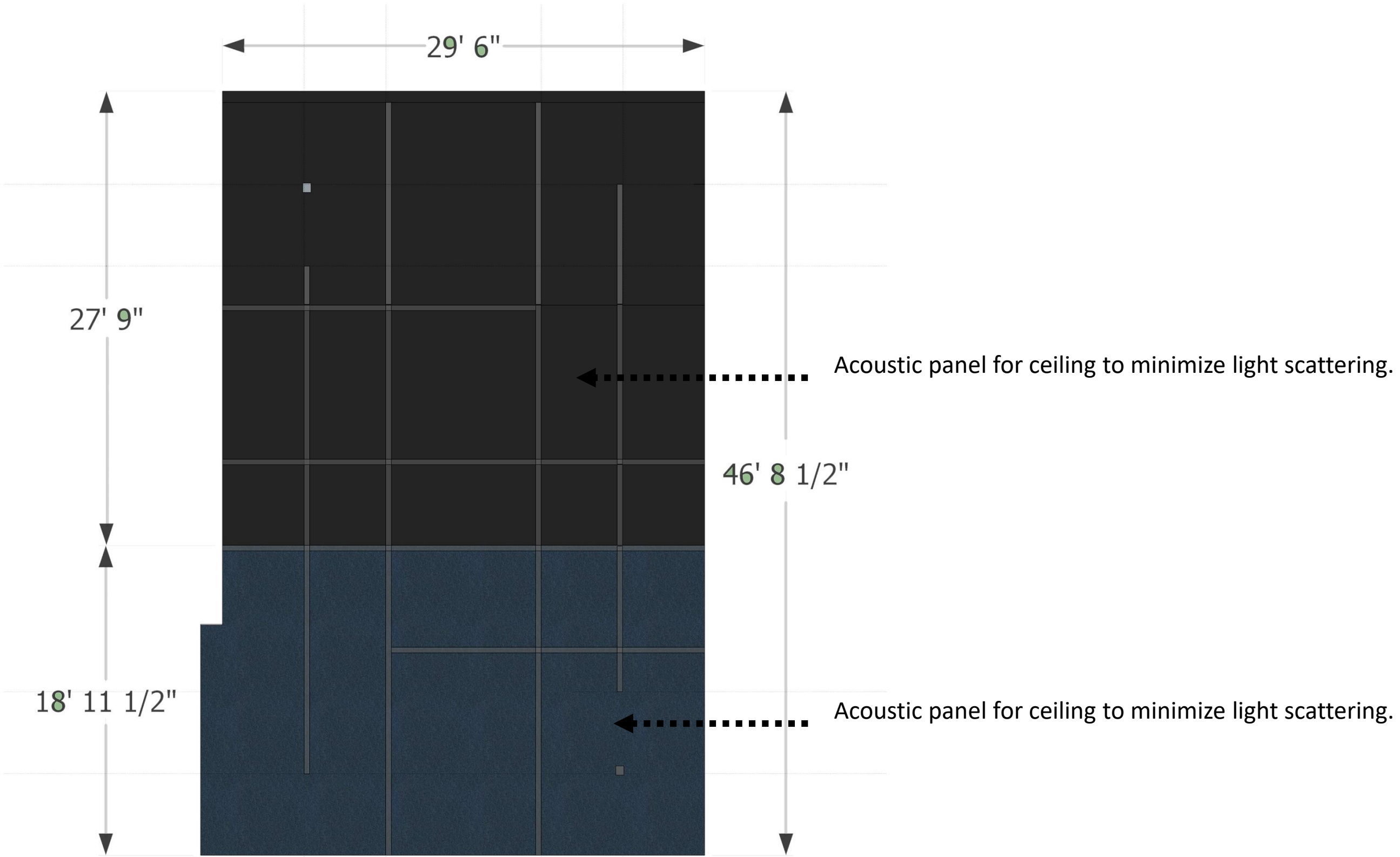
Ramps



Entry / Exits



Recessed power track on either side of walls at the window sill height.



Recessed strip lighting for ceiling

Note: (i) For ceiling material/ panels, NRC should be more or equal to than 0.8 grade  
(ii) Multiple colors options for the ceiling material/ panels should be provided.



## Key Features

- luimatic™ slider mechanism for superlative comfort.
- Polypropylene back and seat pan for easy maintenance.
  - “U” wing pocket that houses accessories discretely.
  - 4-bolt flange for extra stability.

- W – 1030mm (backrest)
- X – 460mm (seat)
- Y – 570 mm (Hand rest)
- Z – 700mm

**Note:** (i) The chair seat does not need to be retractable (i.e., it can be fixed)  
(ii) Color option for fabric should be provided for the chair.  
(iii) Chairs for physically challenged persons should not to be quoted (included in cost analysis)





# POWER TRACK ON WALL - RACEWAYS

Drawing - Page 10

Raceways are an affordable way to run networking and power cables.



**Aluminum Raceways-** PVC raceways are light weight, maintenance free and non-magnetic. Electrical losses are kept to a minimum with this material.

**Standard Length** – 2500mm.

**Height** – 30mm,40mm,50mm, 75mm and 100mm.

**Width** –40mm,50mm,75mm,100mm,150mm, 300mm,450mm,600mm,750mm and 1000mm.

THANK YOU