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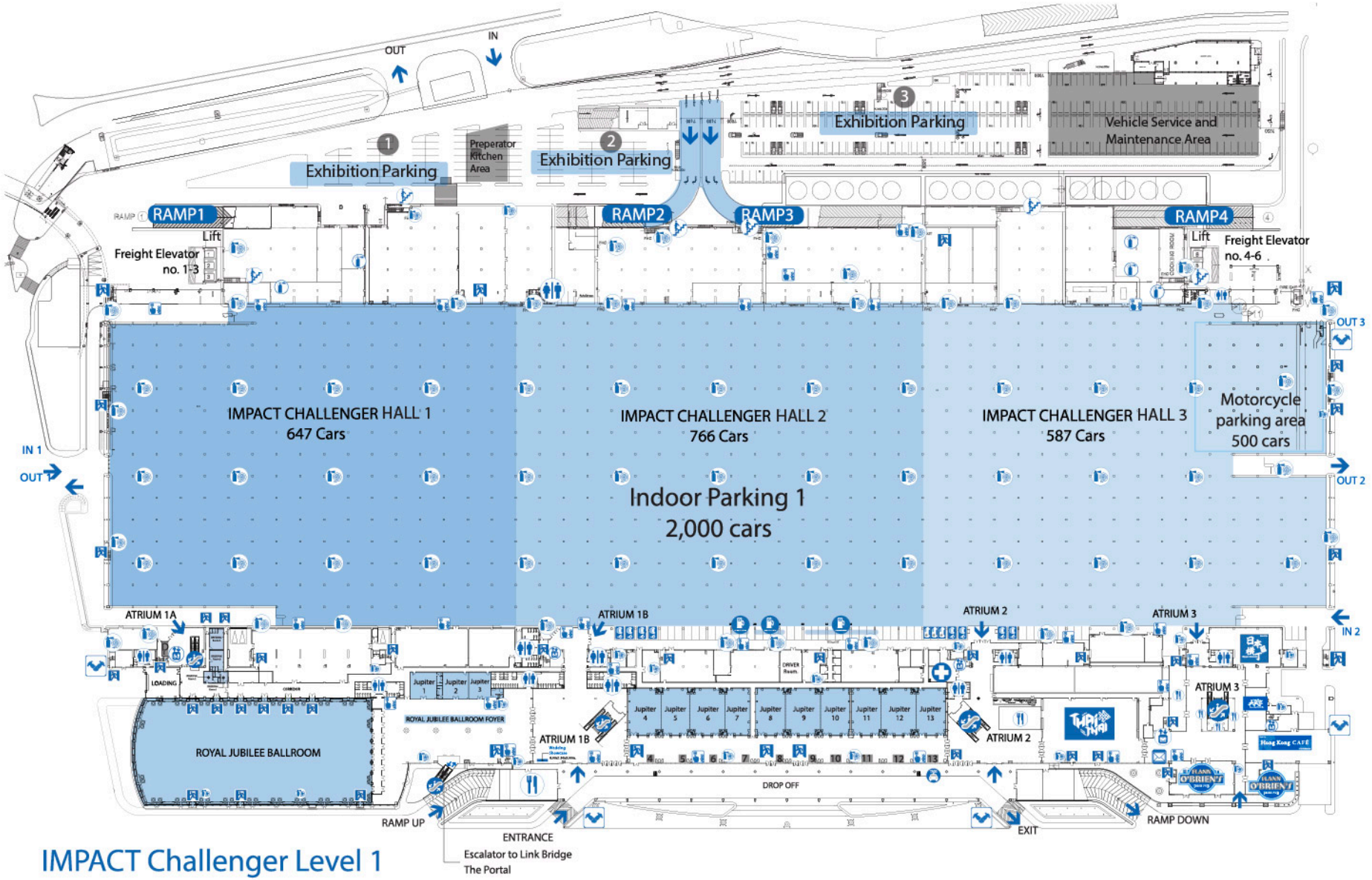


FACILITY GUIDE
IMPACT CHALLENGER



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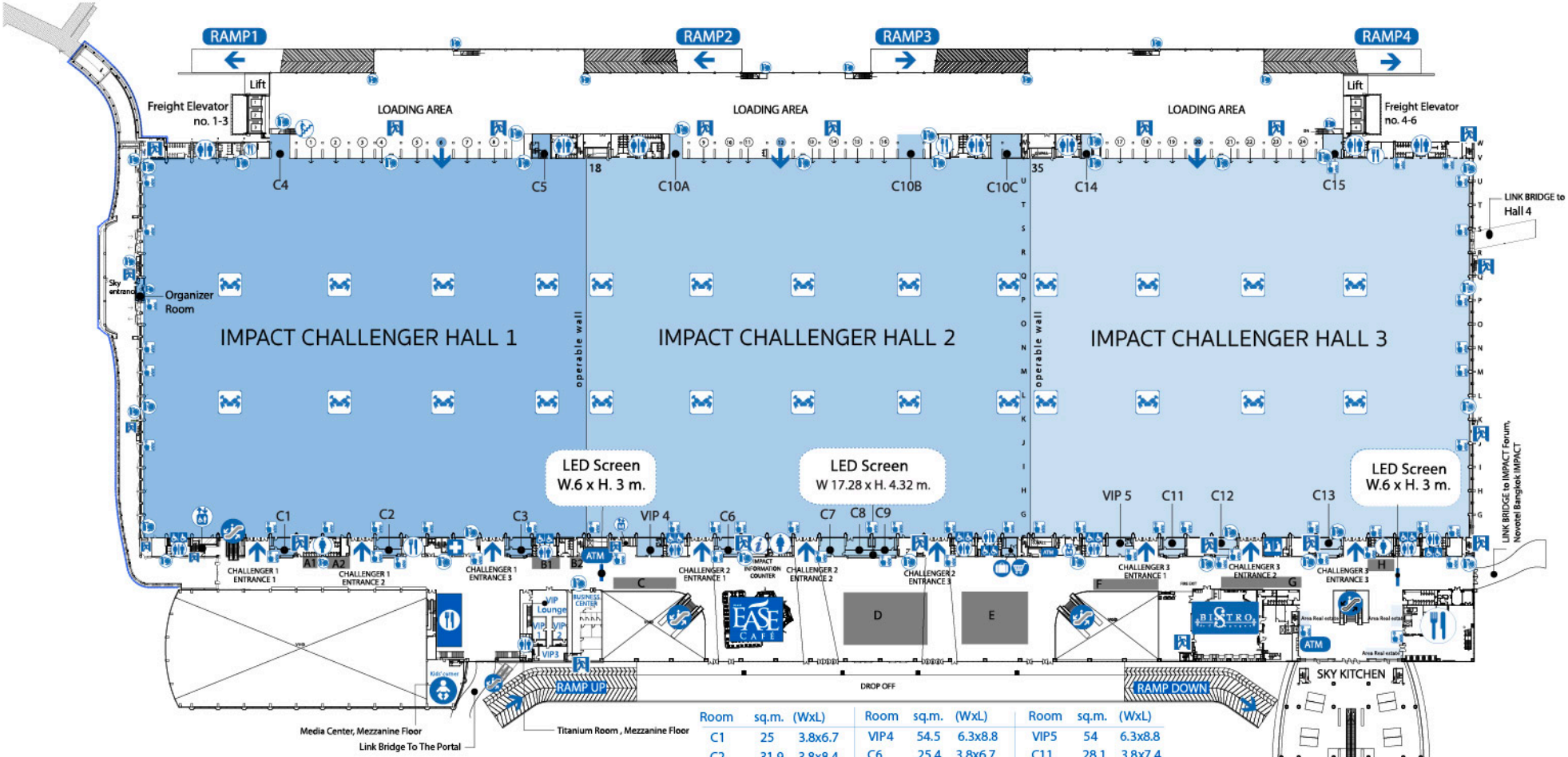
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IMPACT Challenger Level 1

Display Area (W x L x H)

D : size 2.4x5.3 m = 12.7 Sq. m. at Challenger 1
No. 4-16 : size 2x2.5 m. at Foyer Jupiter Rooms



Room	sq.m.	(WxL)	Room	sq.m.	(WxL)	Room	sq.m.	(WxL)
C1	25	3.8x6.7	VIP4	54.5	6.3x8.8	VIP5	54	6.3x8.8
C2	31.9	3.8x8.4	C6	25.4	3.8x6.7	C11	28.1	3.8x7.4
C3	28.1	3.8x7.4	C7	52.9	6.3x8.4	C12	31.5	3.8x8.3
C4	52.7	6.7x8.1	C8	30.3	4.1x7.4	C13	31.5	3.8x8.3
C5	31.7	4x8.1	C9	26.2	4.1x6.4	C14	28.3	3.5x8.1
VIP1	44	4.5x9.8	C10A	33.1	4.1x8.1	C15	53.9	6.3x8.1
VIP2	49	5x9.8	C10B	73.3	8.1x9.3	Organizer room	20.3	2.8x7.6
VIP3	57	5x11.8	C10C	85	8.1x10.5			

IMPACT Challenger Level 2

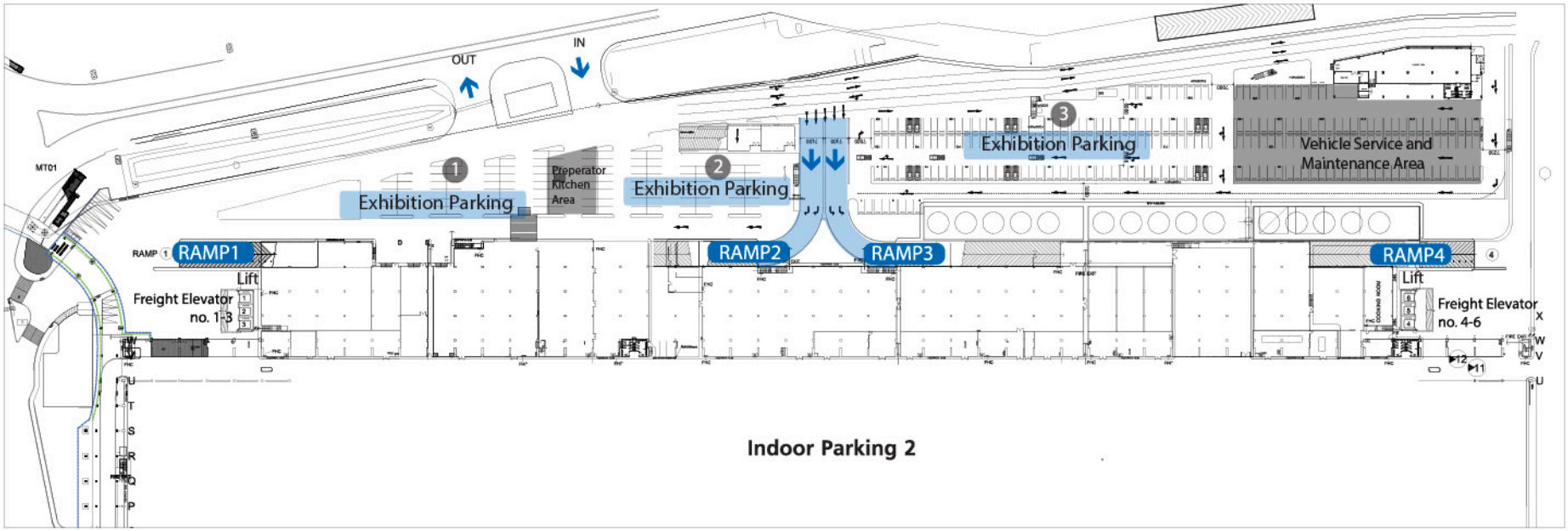
1 - 24 Freight Door

6 - 12 - 20 Elephant Door

Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities			
					Theatre	Banquet	Classroom	Standard Booth
IMPACT CHALLENGER HALL 1	20,000	215,278	131.2 x 153 x 16	430.5 x 501.11 x 52.92	20,000	14,000	14,000	1,120
IMPACT CHALLENGER HALL 2	20,000	215,278	131.2 x 153 x 16	430.5 x 501.11 x 52.92	20,000	14,000	14,000	1,155
IMPACT CHALLENGER HALL 3	20,000	215,278	131.2 x 153 x 16	430.5 x 501.11 x 52.92	20,000	14,000	14,000	1,155

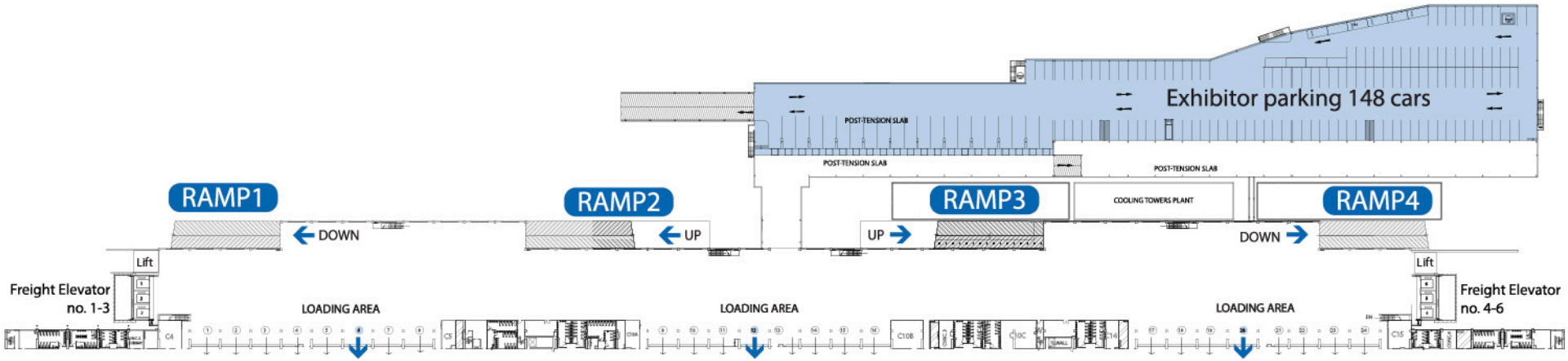
Display Area (W x L x H)

Challenger 1	A1	3x4x3=12 Sq.m.
	A2	3x7x3=21 Sq.m.
	B1	3x9x3=27 Sq.m.
	B2	3x3x3=9 Sq.m.
	C	3 x 24 x 3 m. = 72 Sq.m.
Challenger 2	D	18x28.5x7=513 Sq.m.
Challenger 3	E	22 x 18 x 7 m. = 396 Sq.m.
	F	3 x 24 x 3 m. =72 Sq.m.
	G	3 x 27 x 3 m. = 81 Sq.m.
	H	3 x 9 x 3 m. = 27 Sq.m.



IMPACT Challenger Pre loading (Level 1)

1. Exhibitor Parking 42 Cars
2. Exhibitor Parking 48 Cars
3. Exhibitor Parking 141 Cars



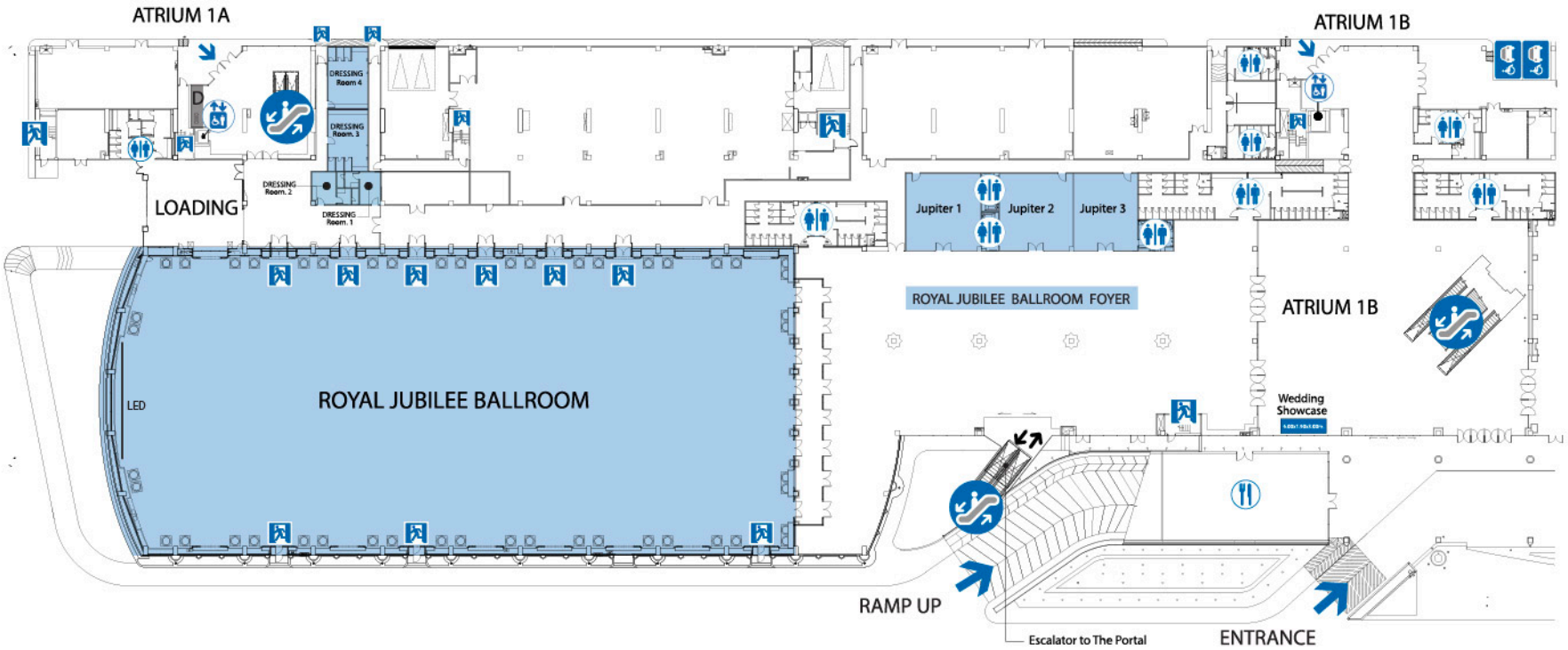
IMPACT CHALLENGER

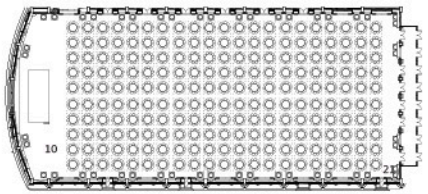
IMPACT Challenger Pre loading (Level 2)

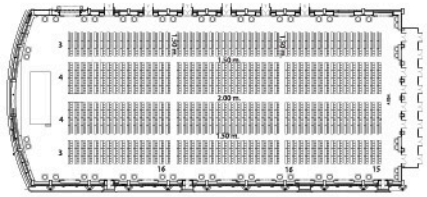
Exhibitor parking 148 cars

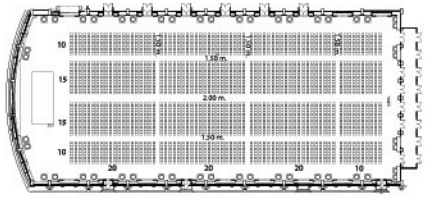
① - ㉔ Freight Door

⑥ - ⑫ - ⑳ Elephant Door




BANQUET

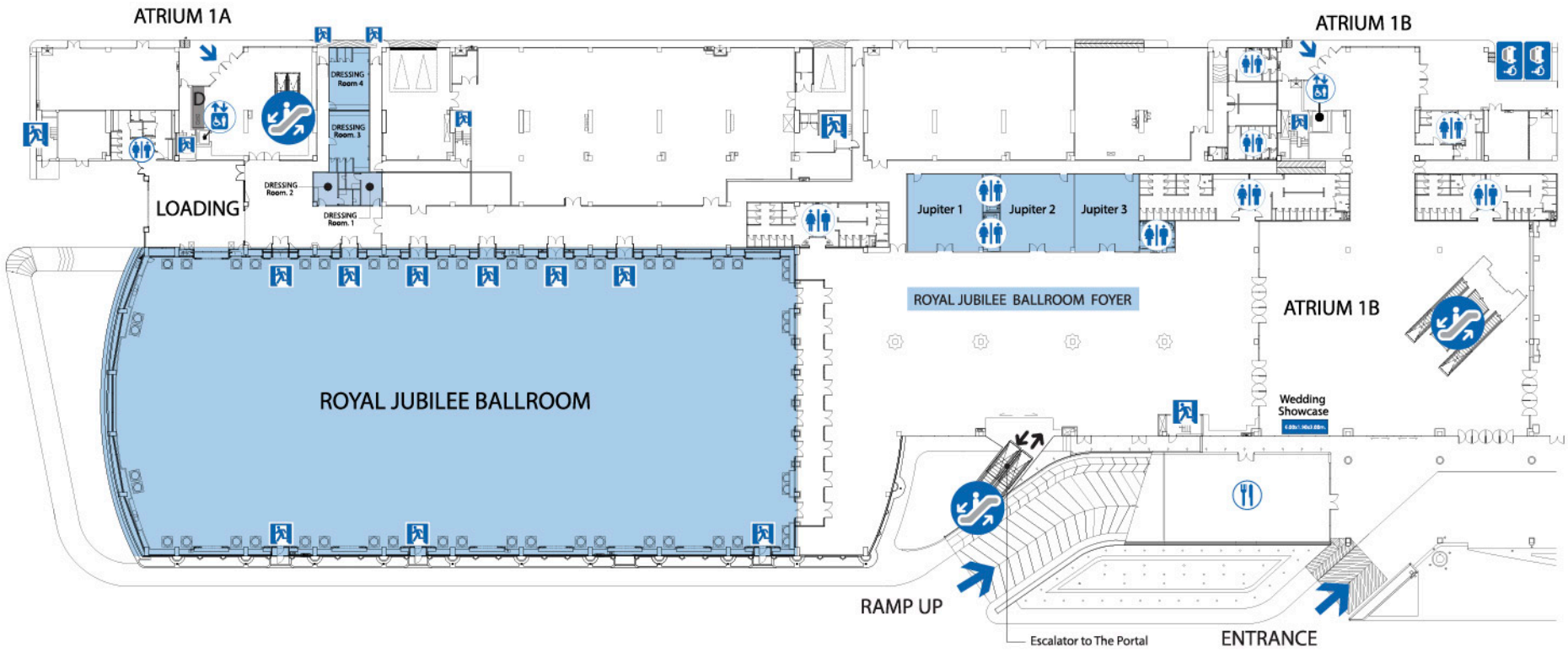

CLASSROOM


THEATRE

Stage : 4.8 X 12.0 m.
Standard Stage
4 m.

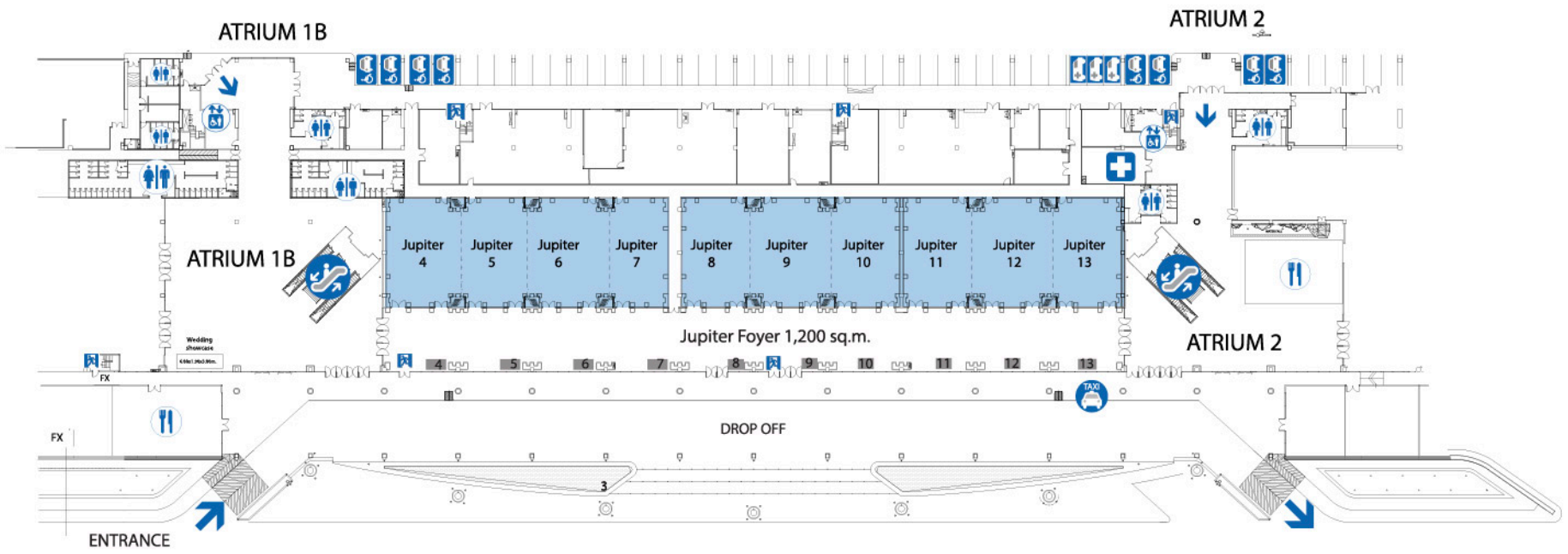
Royal Jubilee Ballroom

Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities		
					Theatre	Banquet	Classroom
Royal Jubilee Ballroom	3,500	37,673	40 x 90 x 14	131.23 x 295.27 x 45.93	3,500	2,100	1,974
Royal Jubilee Ballroom Foyer	1,662	17,889	24 x 56 x 4.4/3.7	78.74 x183.72 x14.43/12.13	-	-	-
Jupiter 1	103	1,108	9.9 x 10.3 x 4.2/2.96	32.48 x 33.79 x 13.77/9.71	48	20	27
Jupiter 2	98	1,054	9.6 x 10.3 x 4.2/2.96	31.49 x 33.79 x 13.77/9.71	48	20	27
Jupiter 3	87	936	8.5 x 10.3 x 4.2/2.96	27.88 x 33.79 x 13.77/9.71	48	20	27
Dressing ROOM. 1	19.3	63.3	4.2 x 4.6 x 2.75/2.95	13.77 x 15.08 x 9/9.67	-	-	-
Dressing ROOM. 2	19.3	63.3	4.2 x 4.6 x 2.75/2.95	13.77 x 15.08 x 9/9.67	-	-	-
Dressing ROOM. 3	40.9	134.15	5.15 x 7.95 x 2.75/2.95	16.89 x 26.07 x 9/9.67	-	-	-
Dressing ROOM.4	41.4	135.75	5.15 x 8.05 x 2.75/2.95	16.89 x 26.40 x 9/9.67	-	-	-



Royal Jubilee Ballroom and Jupiter 1-3

Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities		
					Theatre	Banquet	Classroom
Royal Jubilee Ballroom	3,500	37,673	40 x 90 x 14	131.23 x 295.27 x 45.93	3,500	2,100	1,974
Royal Jubilee Ballroom Foyer	1,662	17,889	24 x 56 x 4.4/3.7	78.74 x183.72 x14.43/12.13	-	-	-
Jupiter 1	103	1,108	9.9 x 10.3 x 4.2/2.96	32.48 x 33.79 x 13.77/9.71	48	20	27
Jupiter 2	98	1,054	9.6 x 10.3 x 4.2/2.96	31.49 x 33.79 x 13.77/9.71	48	20	27
Jupiter 3	87	936	8.5 x 10.3 x 4.2/2.96	27.88 x 33.79 x 13.77/9.71	48	20	27

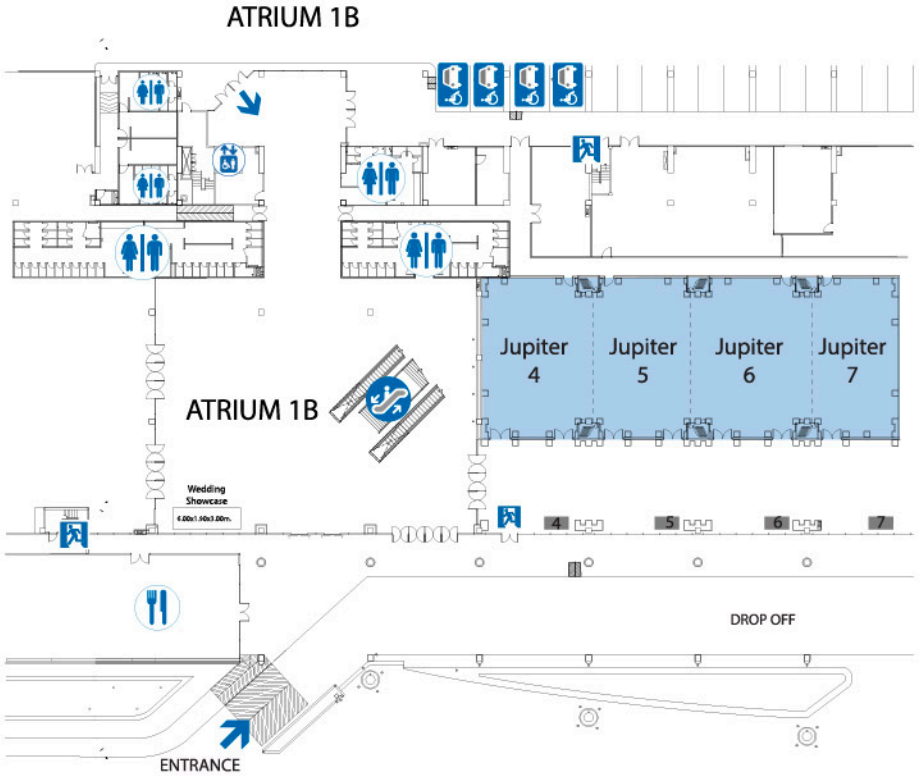


Display Area (W x L x H)

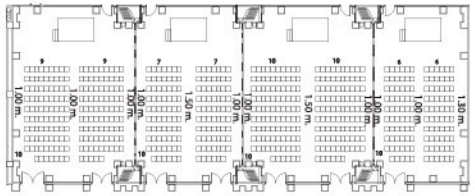
No. 4 -13 : size 2x2.5x3 m. at Foyer Jupiter Rooms

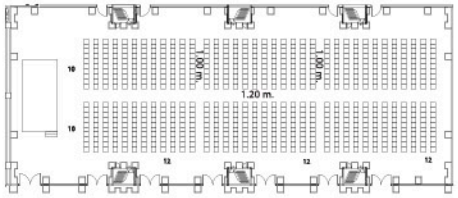
Jupiter 4 - 13

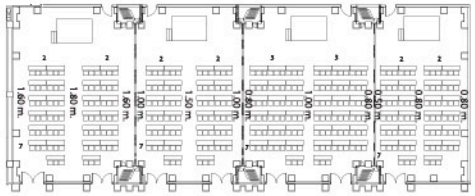
Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities		
					Theatre	Banquet	Classroom
Jupiter 4	224	734.10	12.6 x 17.8 x 4.65/3.7	41.33 x 58.39 x 15.25/12.13	174	90	78
Jupiter 5	192	629.11	10.8 x 17.8 x 4.65/3.7	35.43 x 58.39 x 15.25/12.13	138	90	78
Jupiter 6	224	734.10	13.2 x 17.8 x 4.65/3.7	43.33 x 58.39 x 15.25/12.13	192	90	114
Jupiter 7	170	557.8	9.6 x 17.8 x 4.65/3.7	31.49 x 58.39 x 15.25/12.13	119	60	78
Jupiter 8	200	656.2	11.25 x 17.8 x 4.65/3.7	36.9 x 58.39 x 15.25/12.13	157	80	78
Jupiter 9	234	767.85	13.2 x 17.8 x 4.65/3.7	43.3 x 58.39 x 15.25/12.13	192	90	114
Jupiter 10	202	662.87	11.4 x 17.8 x 4.65/3.7	37.4 x 58.39 x 15.25/12.13	157	80	78
Jupiter 11	202	662.87	11.4 x 17.8 x 4.65/3.7	37.4 x 58.39 x 15.25/12.13	157	80	78
Jupiter 12	234	767.85	13.2 x 17.8 x 4.65/3.7	43.3 x 58.39 x 15.25/12.13	192	90	114
Jupiter 13	202	662.87	11.4 x 17.8 x 4.65/3.7	37.4 x 58.39 x 15.25/12.13	157	80	78
Jupiter 4 to 7	810	2,657.57	46.2 x 17.8 x 4.65/3.7	151.57 x 58.39 x 15.25/12.13	720	400	432
Jupiter 8 to 10	636	2,086.73	35.85 x 17.8 x 4.65/3.7	117.61 x 58.39 x 15.25/12.13	520	280	306
Jupiter 11 to 13	638	2093.24	36 x 17.80 x 4.65/3.7	118.11 x 58.39 x 15.25/12.13	520	280	306
Jupiter Foyer 4 -13	1,200	3,937	10 x 120 x 4.65/3.7	32.8 x 393.7 x 15.25/12.13	-	-	-

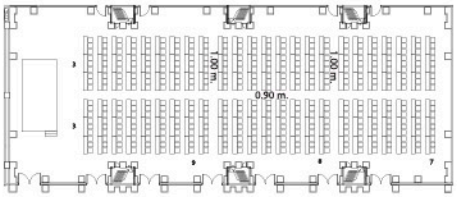


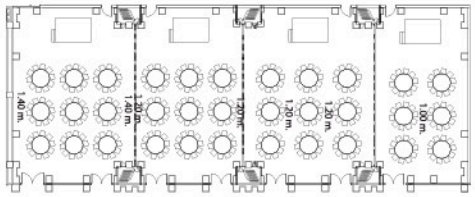
Display Area (W x L x H)
No. 4-7 : size 2x2.5x3 m. at Foyer Jupiter Rooms

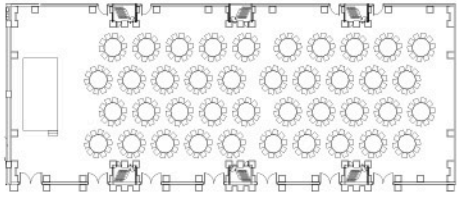

THEATRE


THEATRE


CLASSROOM

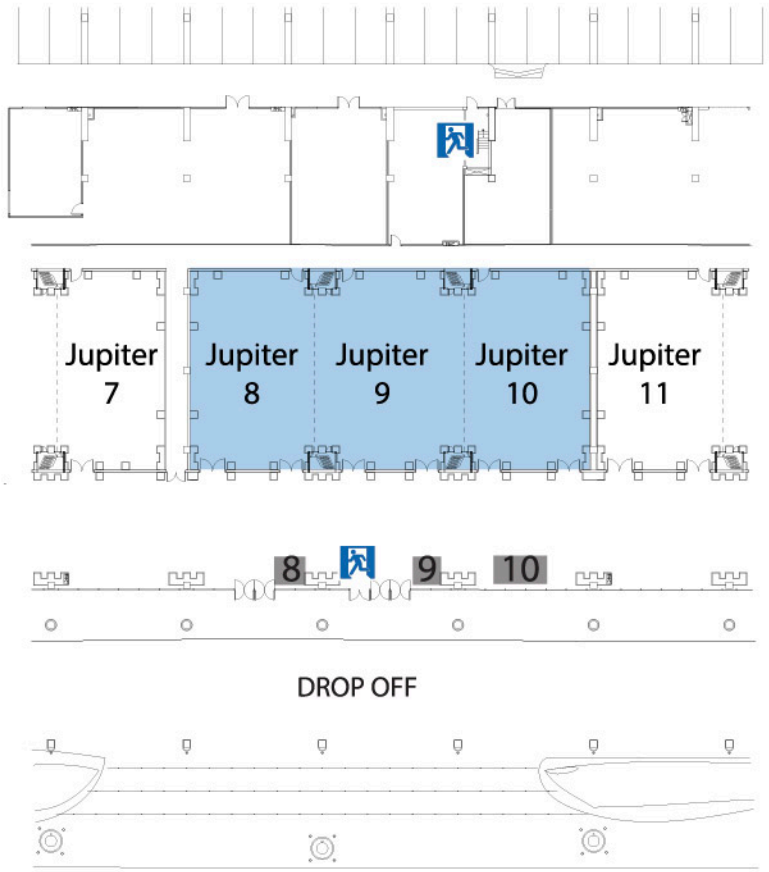

CLASSROOM


BANQUET
SIZE : 2.4 X 3.6 m.
Standard Stage
3 m.


BANQUET
SIZE : 3.6 X 7.2 m.
Standard Stage
3 m.

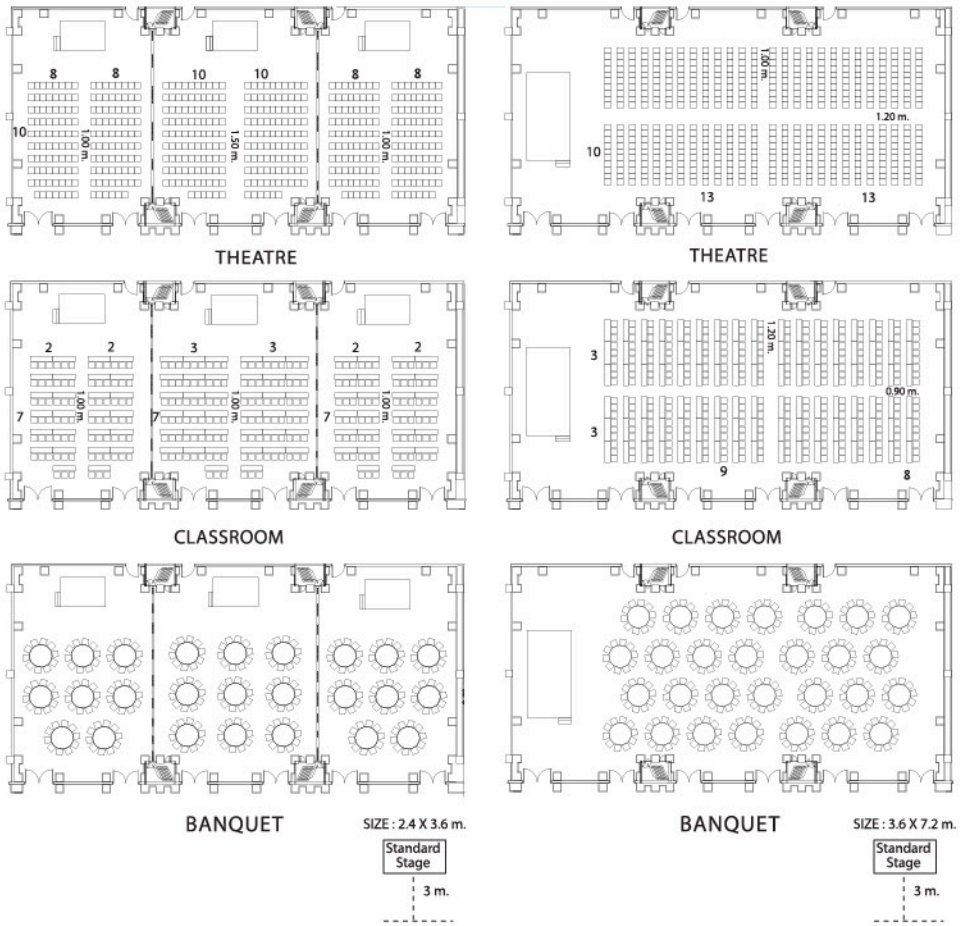
Jupiter 4,5,6,7

Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.m.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities		
					Theatre	Banquet	Classroom
Jupiter 4	224	734.10	12.60 x 17.8 x 4.65/3.7	41.33 x 58.39 x 15.25/12.13	174	90	78
Jupiter 5	192	629.11	10.80 x 17.8 x 4.65/3.7	35.43 x 58.39 x 15.25/12.13	138	90	78
Jupiter 6	224	734.10	13.20 x 17.8 x 4.65/3.7	43.3 x 58.39 x 15.25/12.13	192	90	114
Jupiter 7	170	557.89	9.60 x 17.8 x 4.65/3.7	31.49 x 58.39 x 15.25/12.13	119	60	78
Jupiter 4 to 7	810	2657.57	46.20 x 17.8 x 4.65/3.7	151.57 x 58.39 x 15.25/12.13	720	400	432



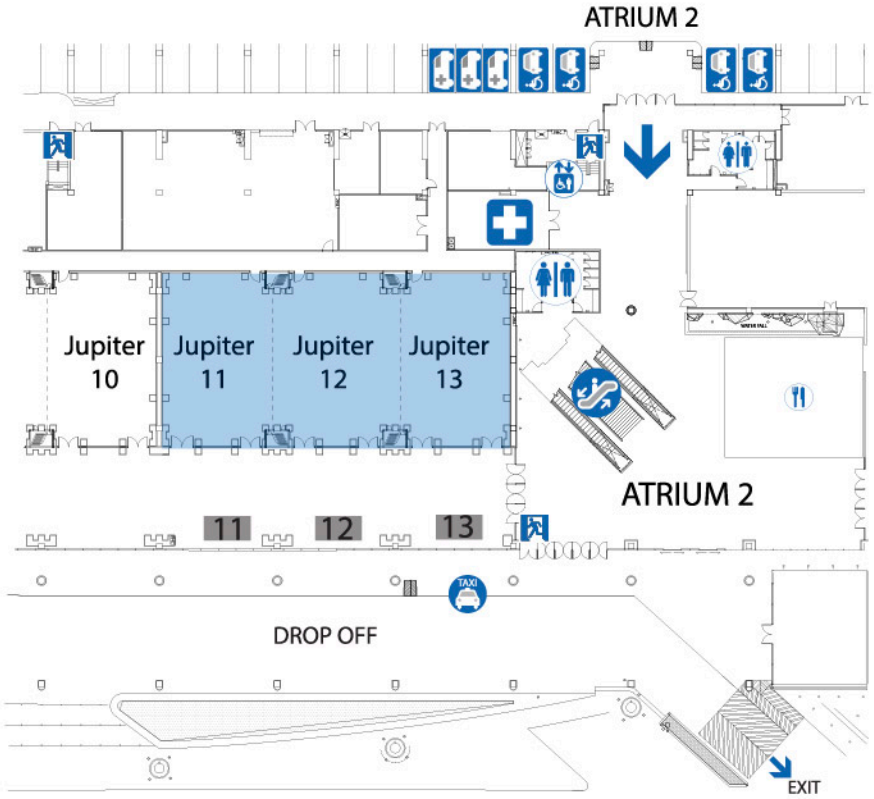
Display Area (W x L x H)

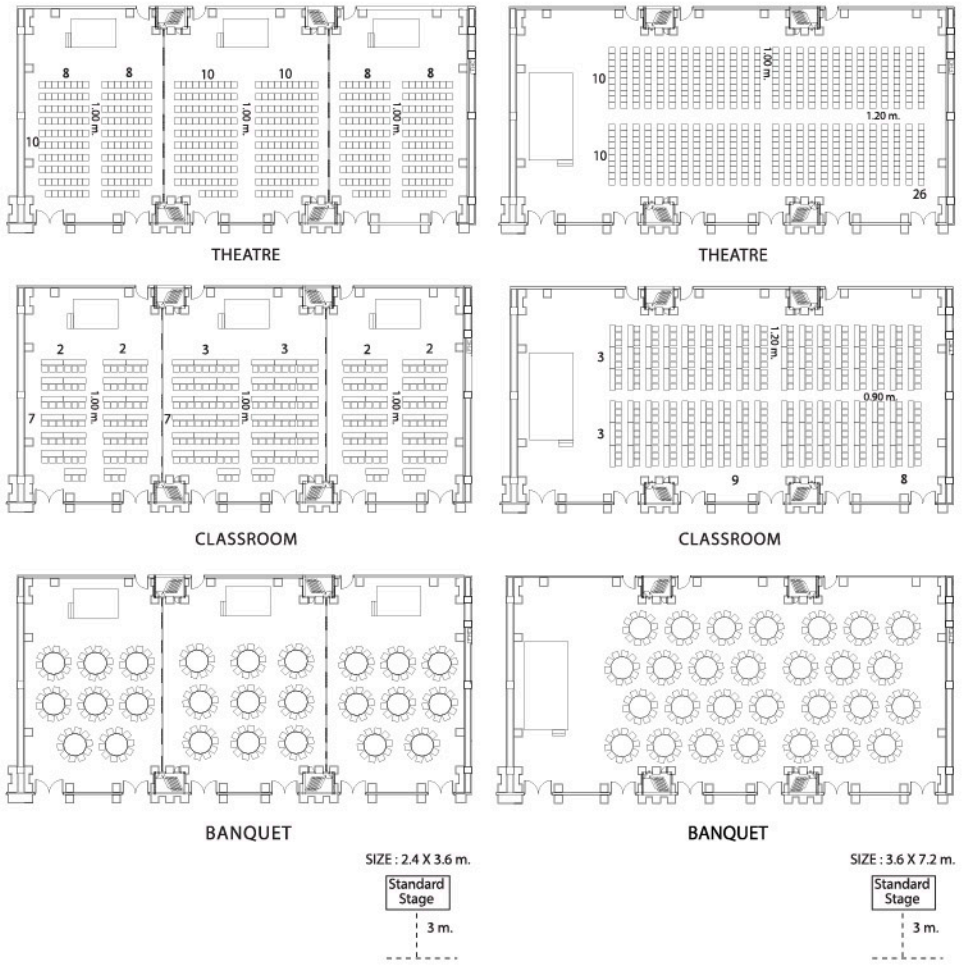
No. 8-10 : size 2x2.5X3 m. at Foyer Jupiter Rooms



Jupiter 8,9,10

Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities		
					Theatre	Banquet	Classroom
Jupiter 8	200	2,152	11.25 x 17.8 x 4.65/3.7	36.9 x 58.39 x 15.25/12.13	157	80	78
Jupiter 9	234	2,518	13.2 x 17.8 x 4.65/3.7	43.3 x 58.39 x 15.25/12.13	192	90	114
Jupiter 10	202	2,174	11.4 x 17.8 x 4.65/3.7	37.4 x 58.39 x 15.25/12.13	157	80	78
Jupiter 8 to 10	636	6,867	35.85 x 17.8 x 4.65/3.7	117.61 x 58.39 x 15.25/12.13	520	280	306





Display Area (W x L x H)

No. 11-13 : size 2x2.5x3 m. at Foyer Jupiter Rooms

Jupiter 11,12,13

Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities		
					Theatre	Banquet	Classroom
Jupiter 11	202	662.87	11.40 x 17.8 x 4.65/3.7	37.4 x 58.39 x 15.25/12.13	157	80	78
Jupiter 12	234	767.85	13.20 x 17.8 x 4.65/3.7	43.3 x 58.39 x 15.25/12.13	192	90	114
Jupiter 13	202	662.87	11.40 x 17.8 x 4.65/3.7	37.4 x 58.39 x 15.25/12.13	157	80	78
Jupiter 11 to 13	638	2,093.21	36 x 17.8 x 4.65/3.7	117.61 x 58.39 x 15.25/12.13	520	280	306

Challenger Hall 1-3
General and Technical Specification

Dimension	
IMPACT Challenger Hall 1-3	131.20 x 459.00 x 30.00/ 10.00-25.75 m. (W x L x H) 430.00 x 1,506.00 x 98.43/ 32.80-84.48 ft. (W x L x H)
Royal Jubilee Ballroom	90.00 x 40.00 x 14.00/8.00 m. (W x L x H) 295.27 x 131.23 x 45.93/ 26.24 ft. (W x L x H)
Gross Useable Space	
IMPACT Challenger Hall 1-3,Exhibition Space	60,000 sq.m. (645,834 sq.ft.)
Challenger Hall 1-3, Lobby	9,700 sq.m. (104,410 sq.ft.)
Royal jubilee Ballroom	3,500 sq.m. (37,660 sq.ft.)
Floor Material	Concrete sealed material (Hardened concrete)
Floor Loading Capacity	
Challenger Hall 1	2,000 to 4,000 kg./ sq.m.
Challenger Hall 2-3	2,000 kg./ sq.m.
Loading Area ,carpark level1	2,500 kg./ sq.m.
Royal Jubilee Ballroom	1,000 kg./ sq.m.
Jupiter Room, Foyer, Lobby	650 kg./ sq.m.
Ceiling Material	Rockwool insulation and exposed steel structure
Ceiling Loading Capacity	
Challenger Hall 1-3	700 kg. to 2,000 kg./ hanging point Total of 1,600 hanging points at 700-kg./ point Total of 800 hanging points at 1,000-kg./ point Total of 500 hanging points at 2,000-kg./ point
Royal Jubilee Ballroom	Total of 86 hanging points at 1,000-kg./ point with 12 sets of hoist at stage area
Catwalk	
Challenger	0.80 m. in width, handrails are 1.10 m. in height on both side
Royal Jubilee Ballroom	1.00 m. in width, handrails are 1.20 m. in height on both side
Loading System	- 6 sets freight elevators and 6 conveyor belt - 4 loading ramps
Freight Door	24 sets at service area each measuring 17 doors: 8.30 x 5.00 m. (W x H) 4 doors: 6.00 x 5.00 m. (W x H) 3 doors (Elephant door): 8.30 x 8.00 m. (W x H), 27.20 x 26.20 ft. (W x H)
Exhibition Hall Entrance	27 doors 2.20 x 2.50 m. (W x H), 7.21 x 8.20 (W x H) 9 double doors at the back 1.60 x 2.00 m. (W x H), 5.24 x 6.56 ft. (W x H)
Restroom	34 male restrooms, 38 female restroom, 28 disabled restrooms and 11 private restrooms

Meeting Room

Sound/ AV/ Lighting System Royal Jubilee Ballroom	- Standard AV system - LED screen 16x6m. build-in for presentation - Digital dimmer control
Jupiter 4-13	- Standard AV system - 2.50x2.50 m. motorize front screen built-in for presentation - Digital dimmer control

Organizer Room/ Service Room

Organizer Room IMPACT Challenger Hall 1 IMPACT Challenger Hall 2 IMPACT Challenger Hall 3	 - Room C1-C5 ,Organizer room - Room C6-C9 , C10A-C - Room C11-C15
Ballroom/Meeting Room	Royal Jubilee Ballroom (dressing room 1,2,3,4) Jupiter 1-13
Service Room	Business center Business meeting room 1-4 Driver's room 2 First Aid rooms Information counter Luggage room/ Shopping trolley Prayer room Media Center VIP 1-5 Titanium Room Kids Corner

Mechanical and Electrical Specification

Main Feeder	Energize high voltage 24 kilovolts 3 feeders (Power distribution through meter 4,500 amps 2,400 volts/ feeder) By Metropolitan Electricity Authority
Electrical	Dry-type transformers: 36,600 kilovolt-amps and 1 set of 630 kilovolt-amps of standby-type generator (Total of 2,930 kilovolt-amps), Supply 30% or light illuminance
Distribution Board	Total electrical load for exhibition booth is 13,000 amps 3 phases
Floor Pit IMPACT Challenger Hall 1-3 IMPACT Challenger Hall 1	4,284 Floor Pits Total. Every 4 units is at 6.00 x 9.00 meters on the grid, allowing direct access to typical booth layout 1,118 units. 15 amps 1 phase 688 units. 30 amps 1 phase 344 units. 30 amps 3 phases 93 units. 60 amps 3 phases 93 units. 100 amps 3 phases 34 units. 200 amps 3 phases 34 units. 400 amps 3 phases
IMPACT Challenger Hall 2	1,118 units. 15 amps 1 Phase 688 units. 30 amps 1 phase 344 units. 30 amps 3 phases 93 units. 60 amps 3 phases 93 units. 100 amps 3 phases 33 units. 200 amps 3 phases 33 units. 400 amps 3 phases
IMPACT Challenger Hall 3	1,118 units. 15 amps 1 phase 688 units. 30 amps 1 phase 344 units. 30 amps 3 phases 93 units. 60 amps 3 phases 93 units. 100 amps 3 phases 33 units. 200 amps 3 phases 33 units. 400 amps 3 phases
Air Condition System	Water-Cooled chilled water Air conditioning system with maximum cooling capacity 8,200 tons of refrigeration
Compressed Air	Available to all booths upon request - typical booth layout via booth pit
Water Supply	Cold water tank 2,200 cubic meters (maximum of 1-day standby) pressure 40-60 pounds Direct connection available to all booths (typical booth layout)
Drainage Point	Direct connection available to all booths (typical booth layout)
Lighting system	LED high bay 450 watts with 300 luxes and halogen 1,500 watts energency.
Broadcasting and Communication	Cat5E cable with RJ-45 modular jack Connected to data/ Voice equipment rack

Mechanical and Electrical Specification

LED Screen	
Lobby Challenger Hall 1	LED screen 6.00 x 3.00 meters (W x H)
Lobby Challenger Hall 2	17.28 x 4.32 meters (W x H) light emitting diode screen complimented by a set of stereo speakers
Lobby Challenger Hall 3	LED screen 6.00 x 3.00 meters (W x H)
Sky Entrance Indoor	LED Screen : 5.44 x 2.4 meter (W x H)
PA System	Paging and announcement system (Emergency line support)
Security	Surveillance system

Symbol



Dimension & Capacity Chart

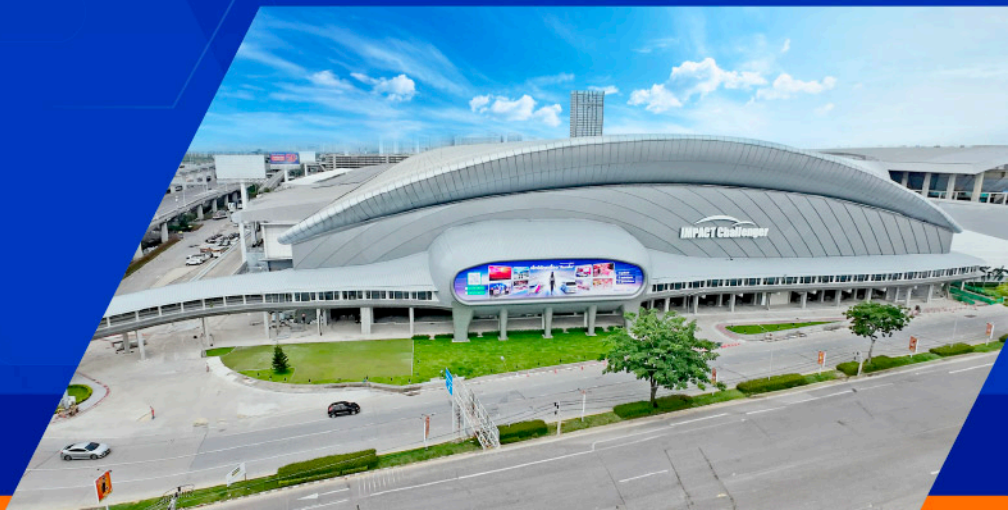
Facility	Approximate Floor Area (sq.m.)	Approximate Floor Area (sq.ft.)	Approximate Dimension (W x L x H) m.	Approximate Dimension (W x L x H) ft.	Suggested Room Capacities			
					Theatre	Banquet	Classroom	Standard Booth 3m. x 3m.
IMPACT Challenger 2nd Floor								
Lobby Challenger Hall 1	2,100	23,626	-	-	-	-	-	-
Lobby Challenger Hall 2	4,893	52,000	-	-	-	-	-	-
Lobby Challenger Hall 3	2,613	28,126	-	-	-	-	-	-
IMPACT Challenger Hall 1	20,000	215,278	131.20 x 153 x 16	430.44 x 501.96 x 52.49	20,000	14,000	14,000	1,120
IMPACT Challenger Hall 2	20,000	215,278	131.20 x 153 x 16	430.44 x 501.96 x 52.49	20,000	14,000	14,000	1,155
IMPACT Challenger Hall 3	20,000	215,278	131.20 x 153 x16	430.44 x501.96 x 52.49	20,000	14,000	14,000	1,155
IMPACT Challenger Hall 1-3	60,000	645,785	459 x 131.20 x 16	1505.88 x 430.44 x 52.49	60,000	42,000	42,000	35,000
IMPACT Challenger Ground FL.								
Atrium 1	991	10,667	-	-	-	-	-	-
Atrium 2	813	8,751	-	-	-	-	-	-
Atrium 3	926	9,967	-	-	-	-	-	-
Royal Jubilee Ballroom	3,500	37,673	40 x 90 x 14	131.23 x 295.27 x 45.93	3,500	2,100	1,974	-
Royal Jubilee Ballroom Foyer	1,662	17,889	24 x 56 x 4.40/3.70	78.74x183.72 x14.43/12.13	-	-	-	-
Jupiter 1	103	1,108	9.90 x 10.30 x 4.20/2.96	32.48x33.79x13.77/9.71	48	20	27	-
Jupiter 2	98	1,054	9.90 x 10.30 x 4.20/2.96	31.49x33.79x13.77/9.71	48	20	27	-
Jupiter 3	87	936	8.50 x10.30 x 4.20/2.96	27.88x33.79x13.77/9.71	48	20	27	-
Jupiter 4	224	2,411	12.60x17.80x4.65/3.70	41.33x58.39x15.25/12.13	174	90	78	-
Jupiter 5	192	2,066	10.80x17.80x4.65/3.70	35.43x58.39x15.25/12.13	138	90	78	-
Jupiter 6	224	2,411	13.20x17.80x4.65/3.70	43.30x58.39x15.25/12.13	192	90	114	-
Jupiter 7	170	1,829	9.60x17.80x4.65/3.70	31.49x58.39x15.25/12.13	119	60	78	-
Jupiter 8	200	2,152	11.25x17.80x4.65/3.70	36.90x58.39x15.25/12.13	157	80	78	-
Jupiter 9	234	2,518	13.20x17.80x4.65/3.70	43.30x58.39x15.39/12.13	192	90	114	-
Jupiter 10	202	2,174	11.40x17.80x4.65/3.70	37.40x58.39x15.25/12.13	157	80	78	-
Jupiter 11	202	2,174	11.40x17.80x4.65/3.70	37.40x58.39x15.25/12.13	157	80	78	-
Jupiter 12	234	2,518	13.20x17.80x4.65/3.70	43.30x58.39x15.25/12.13	192	90	114	-
Jupiter 13	202	2,174	11.40x17.80x4.65/3.70	37.40x58.39x15.25/12.13	157	80	78	-
Jupiter 4-7	810	8,718	46.20x17.80x4.65/3.70	151.57x58.39x4.65/3.70	720	400	432	-
Jupiter 8-10	636	6,845	35.85x17.80x4.65/3.70	117.61x58.39x15.25/12.13	520	280	306	-
Jupiter 11-13	636	6,845	35.85x17.80x4.65/3.70	117.61x58.39x15.25/12.13	520	280	306	-
Jupiter Foyer 4-13	1,200	12,916	10.00x120.00x4.65/3.70	32.80x393.70x15.25/12.13	-	-	-	-

@ = per room

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