

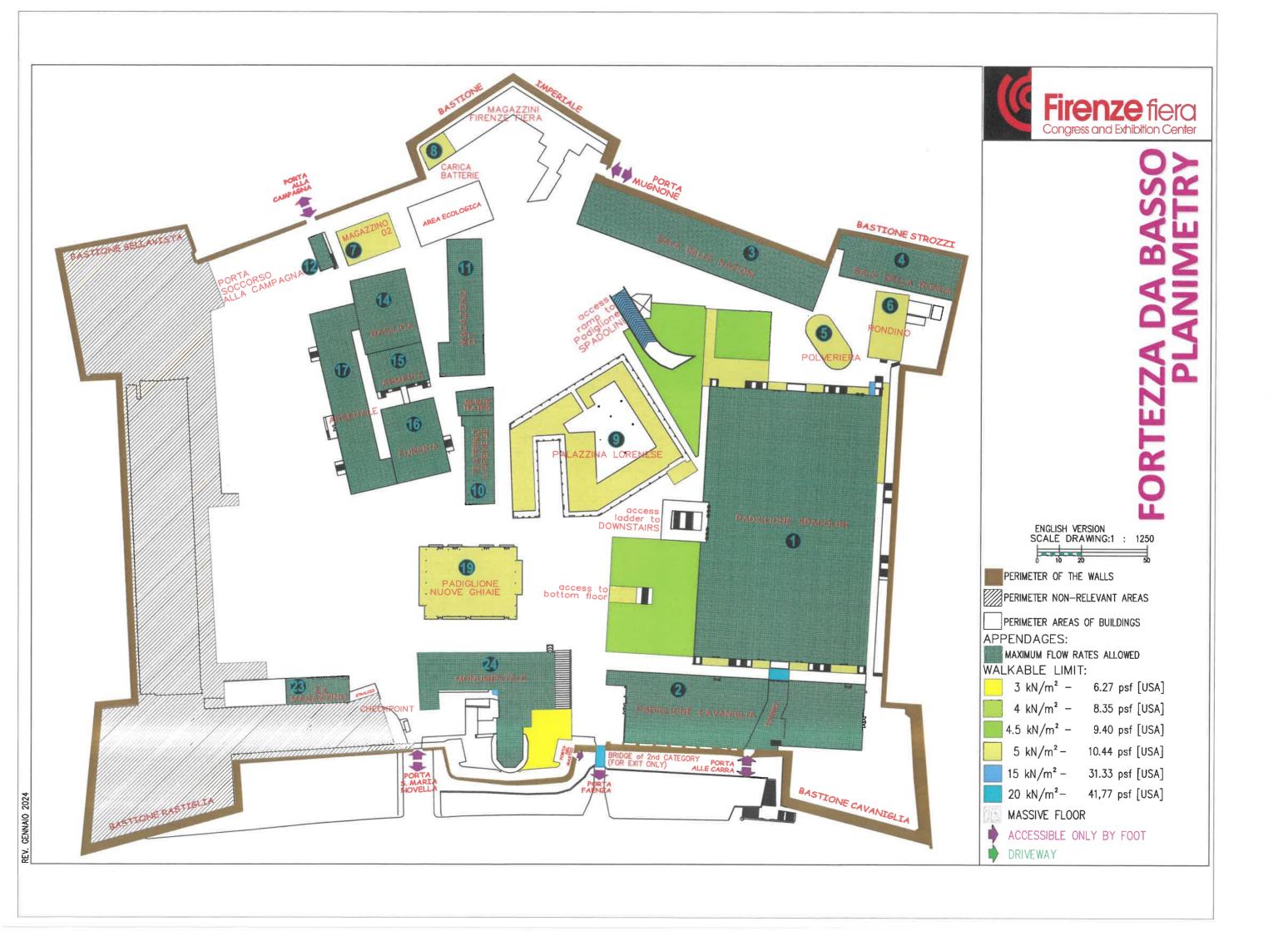


REV.

January 2024

ENGLISH VERSION
REVIEW OF LOADS
PLANTING THE BOARDS

APPENDAGES WALKABLE LIMIT





PURPOSE APPENDAGES AND WALKABLE LIMIT

The purpose of these tables is to indicate the maximum permissible capacities (loads) foreseeable for the appendices and to illustrate the procedures to be pursued in the preparations, including the limits of the trampling of environments managed by the Firenze Fiera Company at the Fortezza da Basso.

For this reason, for each individual pavilion, a summary diagram has been drawn up in each table, showing the limits and observations necessary for those who assemble the equipment in a concise and easy-to-read manner.

DEFINITIONS For a good understanding of the work, the tables report the symbologies provided by the recent provision issued by the Ministero dell'Interno, Dipartimento VV.FF., Circ. 1 aprile 2011, n. 1689 - Public performance premises of temporary or permanent type; Verification of the solidity and safety of suspended loads date 01 APR 2011. The definitions are:

> Suspended load any element (stage, furniture or other), placed in the air or held or anchored in suspension or supported at height or mechanically moved, before and/or during the show, by cranes, winches, bridge wagons, work platforms and similar . For the sake of clarity and for the sole purpose of this note, the most common types of suspen- ded loads and their suspension systems (simple or complex) normally used in premises or public performance venues either, permanent or temporary, are identified below and are subject to the opinion of the Supervisory Board for the issue by the municipality of the licence referred to in Articles 68 e 80 del TULPS.

> Fixed suspended load refers to a suspended load bound to one or more points of an upper or lower structure including ropes, tie-rods, chains and brackets; Load suspended from a lifting device: suspended load bound by a mobile element, be it rope, chain, belt and/or band, to a machine or to a complex lifting system.

Dynamic suspended load: suspended load constrained either by means of a device moved by a machine or by means of a complex lifting system capable of moving in space in one or more directions.

The following subdivision can be summarised:

SUPPORT STRUCTURE

constructive system to which loads area required to be anchored;

CONSTRAINT BETWEEN STRUCTURE AND MAIN LINK

hook / golfing / eyelet / etc.

MAIN CONNECTION

suspended load such as American beams, speakers, spotlights, projectors, etc.

In relation to suspended loads and fixed or temporary structures intended for anchoring them, reference was made to the provisions of the construction safety technical regulations D.M. 17 GEN 2018 updating the standards Norme tecniche per le costruzioni; In addition, occupational health and safety technical rules were also considered applicable, the consolidated law on safety at work [T.U.S. Dlg 81/2008].

APPENDAGES According to the above-mentioned legislation, the Appendages are defined as a whole of the supporting structure, constrains, and the foreseeable load to be suspended; for a better readability, the tables have been grouped per environment to which standardised values have been assigned and represented as follows, for example:

APPENDAGES						RATED LOAD E POINT	WARNINGS FOR CORRECT USE DISTRIBUTION OF LOADS	
Constructive system to which loads are required to be encored		Constraints to be adopted	Equipment	[qK = lb f ft]	Equipment	QK = kN (lb)	All suspended loads must have the main hook or cable, in additi to the security one	
GROUND B	AMBINATED WOODEN TRUSS - SQUARE TRUSS ANCHORAGES	CORRESP SERVED AT THE KNOT	idilimi kilimi	0.25 ини	kN	1.50 un		
+1 PENTHOUSE FLOOR				(17 Mett)	046	ST TO	The link of the appraisal it must be made in perfect correspondence of the node of each node of the apatial structure (bracket)	

Once the plan or level is defined, it is possible to identify the recurring typology of the constructive system to be used in order to adopt the type of constraint envisaged. The image clarifies that:

- All that is represented in **black/green** is competence of Firenze Fiera;
- All that is represented in **red** is instead competence of the fitter;

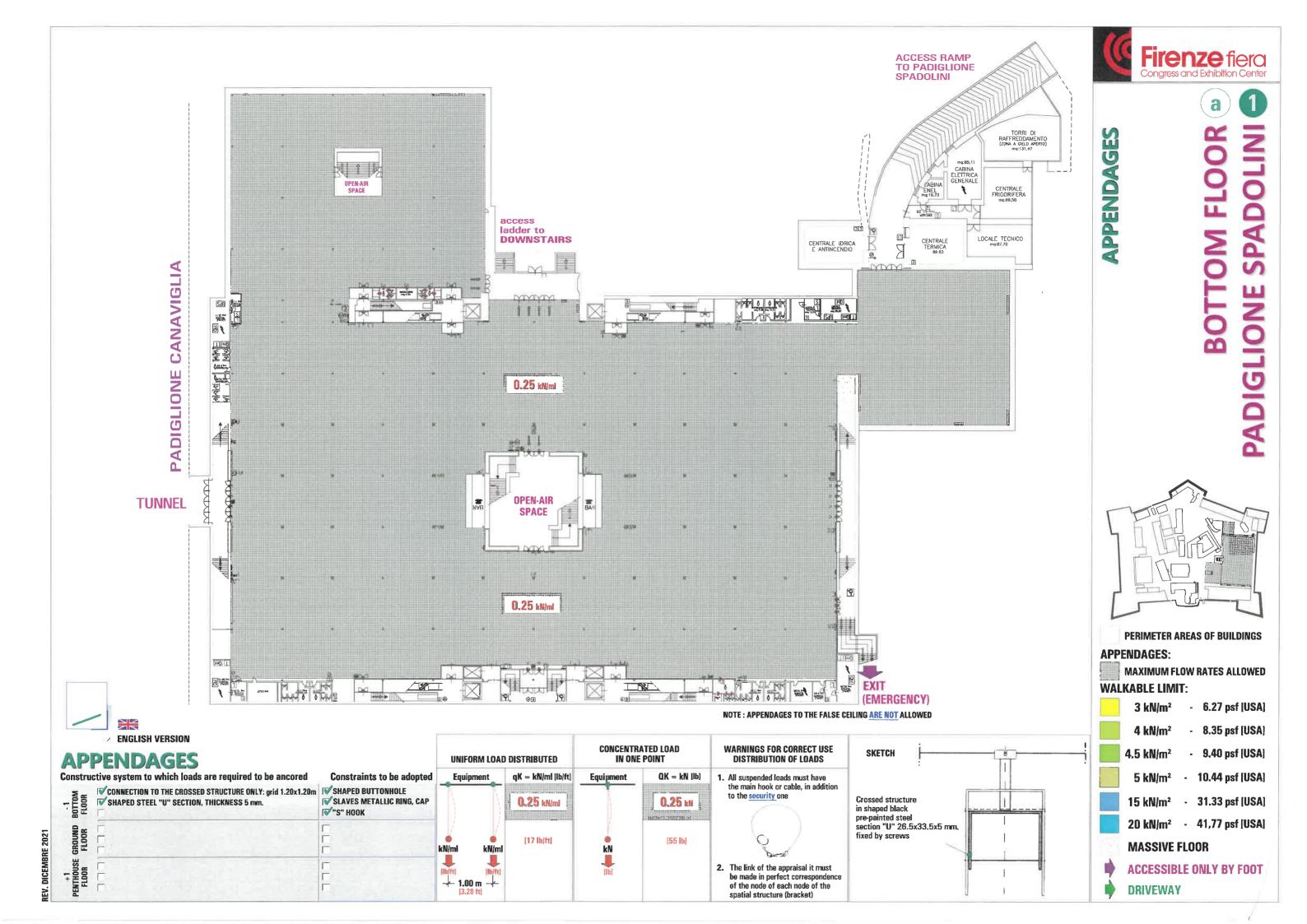
The same table also indicates the possible modes of attachment of loads depending on the needs of the fitter, together with, if provided, further instructions (also with explanatory sketches) of the actual permissible load conditions on the concerned structure.

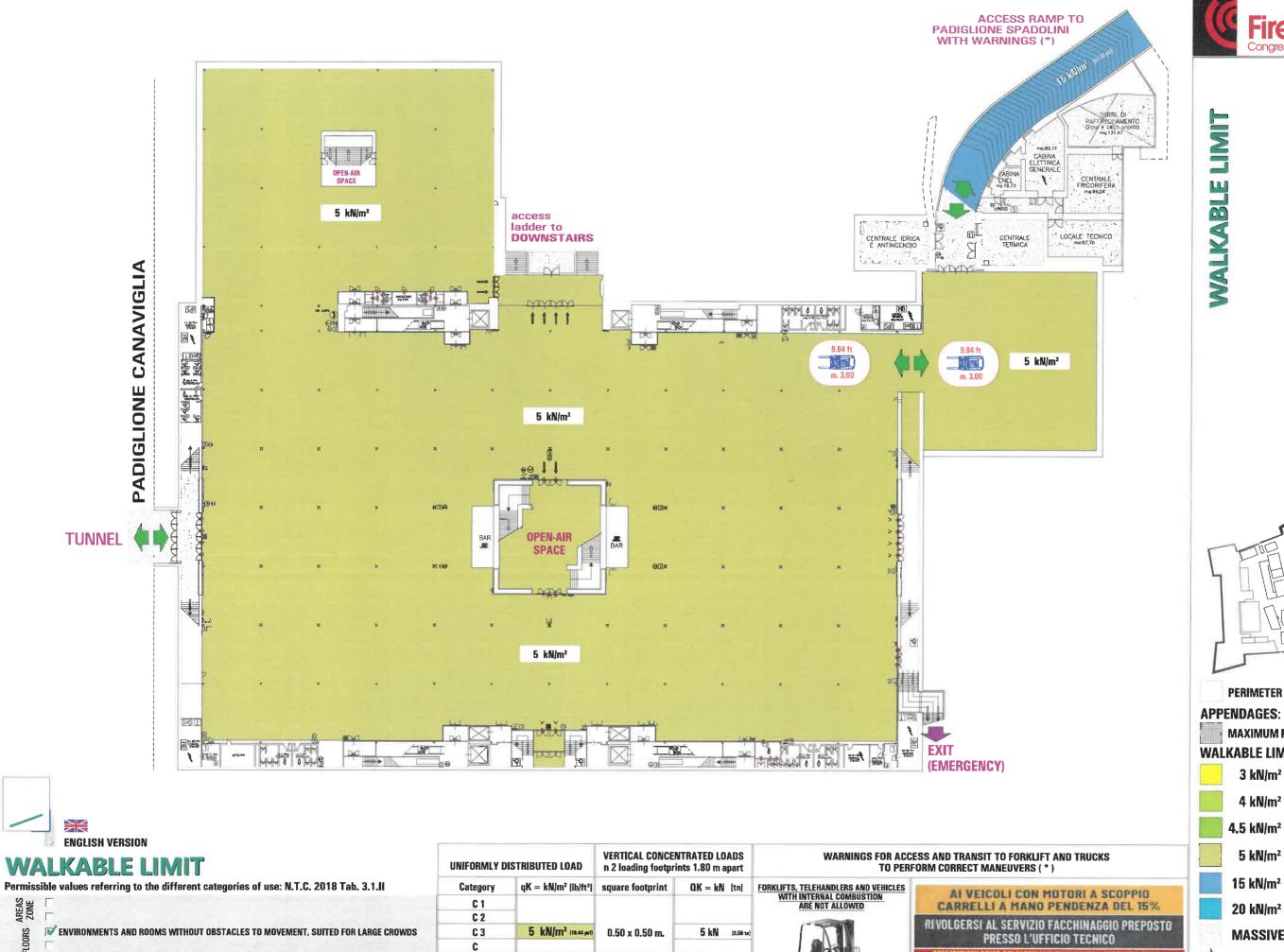
Equal instructions are provided for the loading and overloading conditions of the WALKABLE LIMIT of floor surfaces (Walkable Limit) in relation to the environments, both external and internal that identify, the maximum limits provided in correspondence with the category of use of the environment as foreseen by the mentioned technical [UNI-EN] regulation.

For example:

WALKABLE LIMIT		UNIFORMLY D	ISTRIBUTED LOAD	VERTICAL CONCE n 2 loading footpr		WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES
Permiss	Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II		qK = kN/m² (lb/ft²)	square footprint	QK = kN [tn]	FORKLIFTS, TELEHANDLERS AND VEHICLES
AREAS	SHE ENVIRONMENTS WITH TABLES, COFFEE, RESTAURANTS AND STAND SUBJECT TO CROWDING	C 1	3 kN/m² 18.27 pat)	0.50 x 0.50 m.	3 kH (130 to)	(~ Salar
ARE		C 2				
88	EV ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS	C 3	5 kN/m² penson		5 kN man	
FLOORS		C				
		F				- 1
RAMPS SLAB TUNNEL		G	1			
중앙건		(2	J			ACT TO

- **DOCUMENTATION** The file attached clarifies how to safely set appendages and indicates suspension modes in relation to the permissible loads. It is specified: :
 - the type and consistency of suspended loads: see schemes of the systems provided for suspension/appending as indicated in the aforementioned decrees;
 - complex systems, where existing: for instance, support structures which are, themselves, hanged to "American - square truss".
 - the regulations on the safety of workplaces in the case of stabilization of loads operated during the stages of preparation of the indicated environments.





1.00 x 1.00 m.

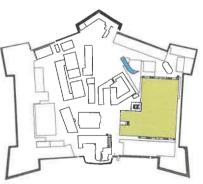
ACCESS RAMP UNDERGROUND FLOOR FOR INTENSIVE THANSITE OF SOLIDARY BUILDING ON EXISTING BALLAST - MASSIVE FLOOR

ACCESS RAMP UNDERGROUND FLOOR FOR INTENSIVE TRANSIT - LOADING / UNLOADING DEPOT

20 kN

Firenze fiera Congress and Exhibition Center

PADIGLION



PERIMETER AREAS OF BUILDINGS

MAXIMUM FLOW RATES ALLOWED **WALKABLE LIMIT:**

3 kN/m² 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

- 9.40 psf [USA] 4.5 kN/m²

5 kN/m² - 10.44 psf [USA]

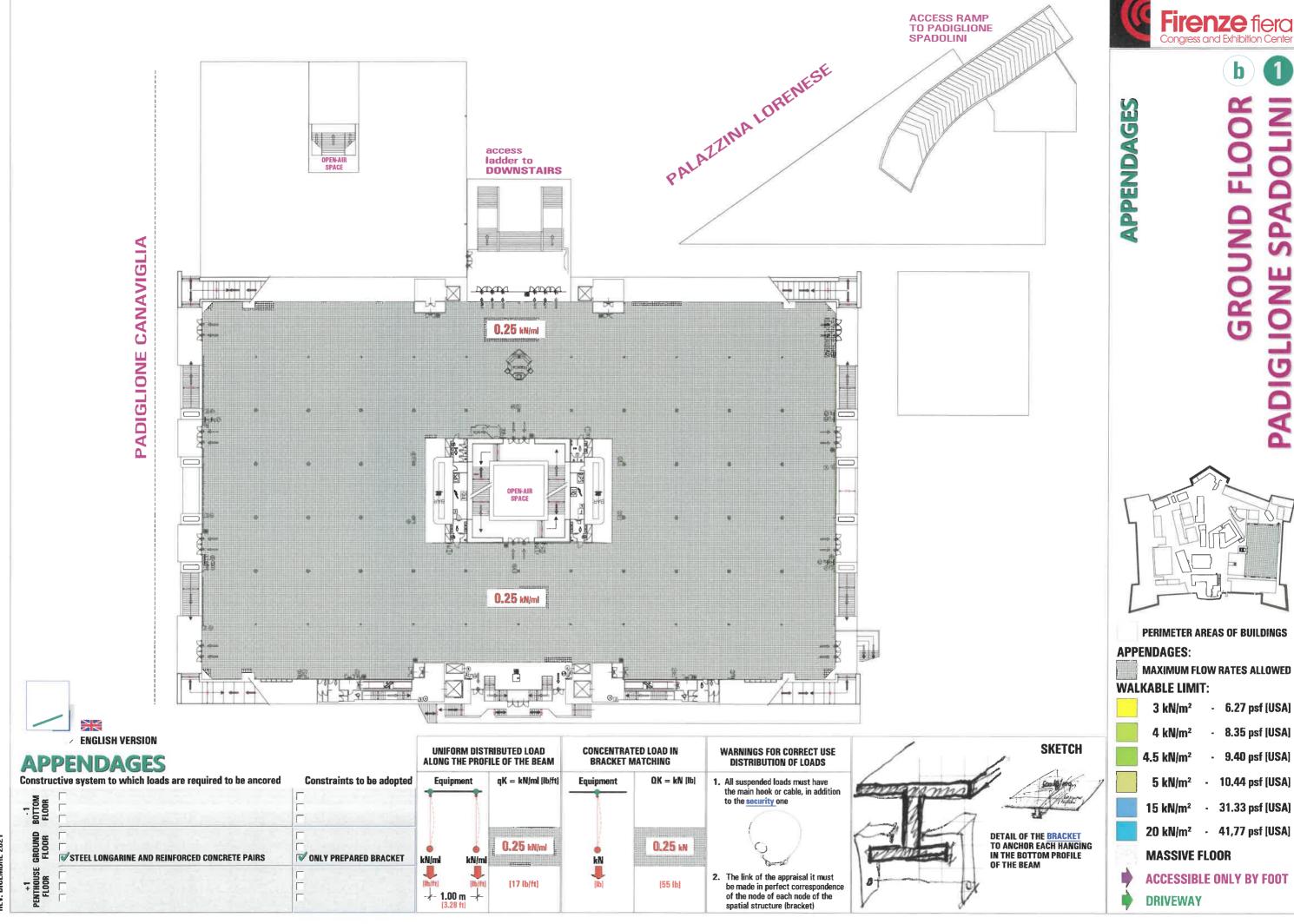
15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

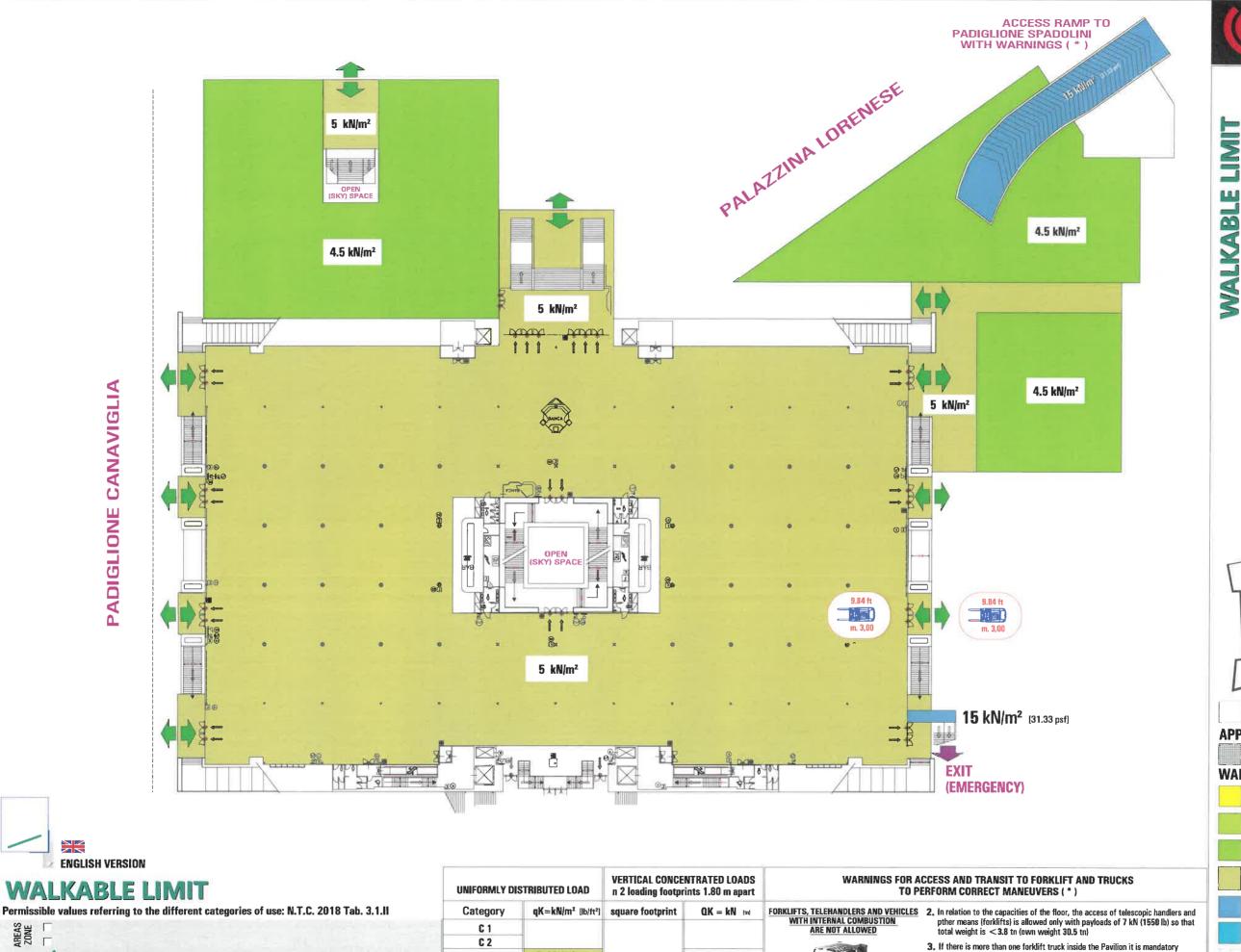
MASSIVE FLOOR



DRIVEWAY



REV. DICEMBRE 2021



C 3

C

G

5 kN/m2 |18.44 peff

4.5 kN/m2 1840 pm

0.50 x 0.50 m.

1.00 x 1.00 m.

5 kN (0.50 m)

4.50 kN (0.46 tn)

20 kN [2.04 tn]





SPADOLINI GROUND FLOOR **PADIGLIONE**



PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

3 kN/m² - 6.27 psf [USA]

4 kN/m² 8.35 psf [USA]

4.5 kN/m² 9.40 psf [USA]

5 kN/m² · 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]







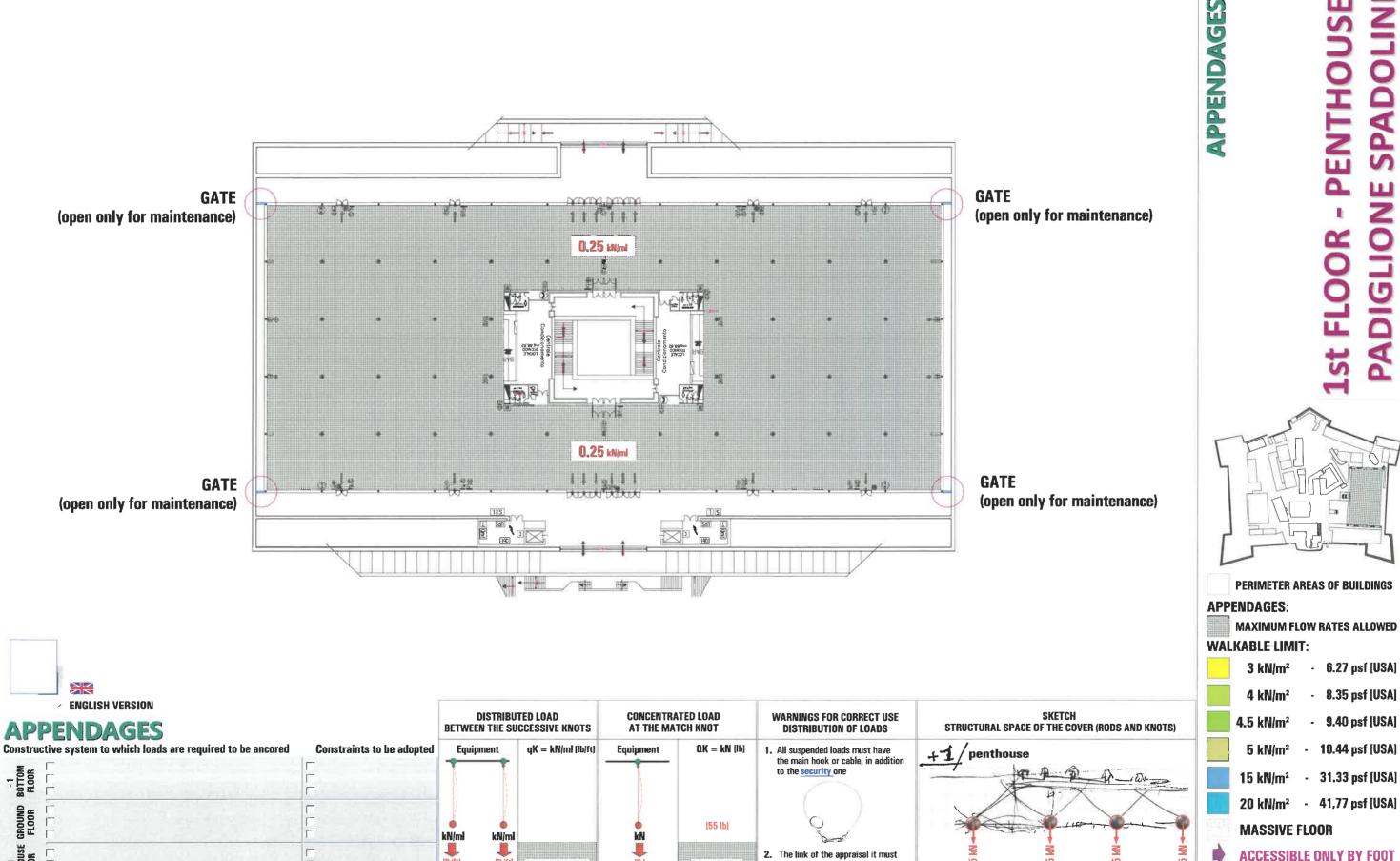
to respect the mutual safety distance between the means of at 3.00 m. (10 ft)

m. 3,00 9.84 ft

■ ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS

COMMON ENVIRONMENTS, TERRACES AND SPACES ACCORDING TO THE CATEGORY (> 4.00 km

ACCESS RAMP UNDERGROUND FLOOR FOR INTENSIVE TRANSIT - LOADING / UNLOADING DEPOT



0.25 ten

0.25 kN/ml

CORRESPONDENCE OF THE KNOT

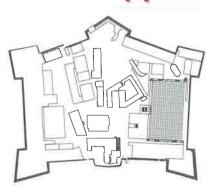
SPATIAL STRUCTURE CONSISTING WITH BAR AND KNOTS

be made in perfect correspondence of the node of each node of the

spatial structure (bracket)



PADIGLIONE



PERIMETER AREAS OF BUILDINGS

MAXIMUM FLOW RATES ALLOWED

- 6.27 psf [USA]

- 8.35 psf [USA]

- 9.40 psf [USA]

5 kN/m² · 10.44 psf [USA]

20 kN/m² - 41,77 psf [USA]

ACCESSIBLE ONLY BY FOOT

DRIVEWAY



WALKABLE LIMIT

PERIMETER AREAS OF BUILDINGS

MAXIMUM FLOW RATES ALLOWED **WALKABLE LIMIT:**

APPENDAGES:

- 6.27 psf [USA] 3 kN/m²

- 8.35 psf [USA] 4 kN/m²

- 9.40 psf [USA] 4.5 kN/m²

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

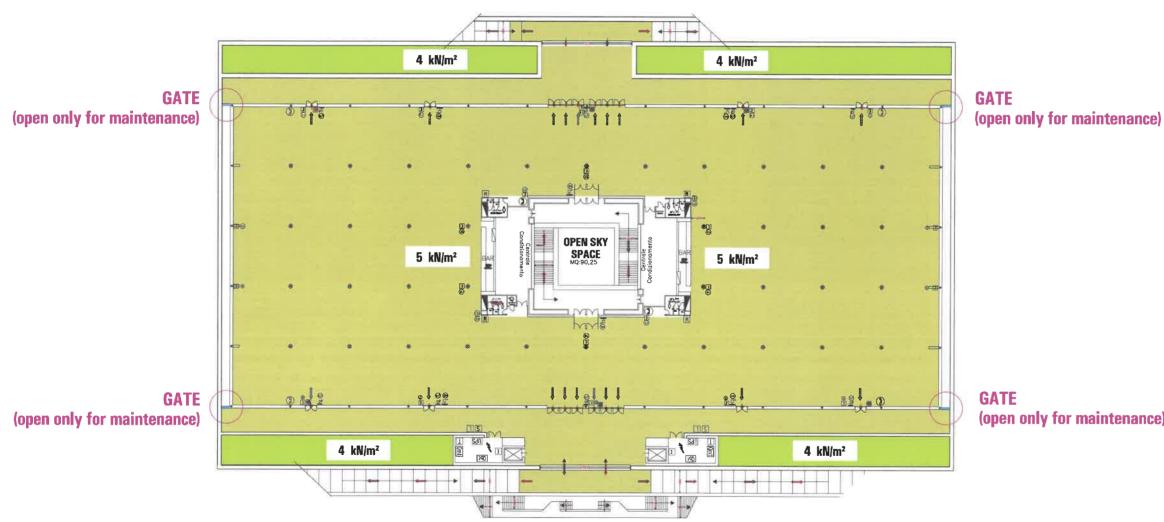
20 kN/m² · 41,77 psf [USA]

MASSIVE FLOOR



ACCESSIBLE ONLY BY FOOT

DRIVEWAY



GATE (open only for maintenance)

Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II

VERTICAL CONCENTRATED LOADS UNIFORMLY DISTRIBUTED LOAD qK = kN/m² {lb/ft²] square footprint QK = kN [tn] Category C 1 C 2 4 kN [0.4 tn] 4 kN/m² 18.35 pm C 3 5 kN/m2 110.44 p 5 kN [0.5 tn] C G

FALSE CEILINGS

FLOOR

PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED **WALKABLE LIMIT:**

 6.27 psf [USA] 3 kN/m²

 8.35 psf (USA) 4 kN/m²

- 9.40 psf [USA] 4.5 kN/m²

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR



DRIVEWAY



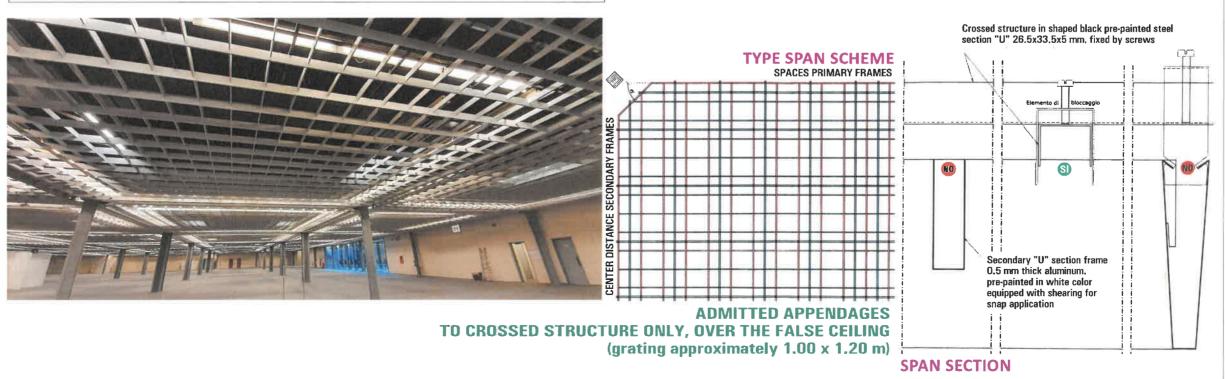


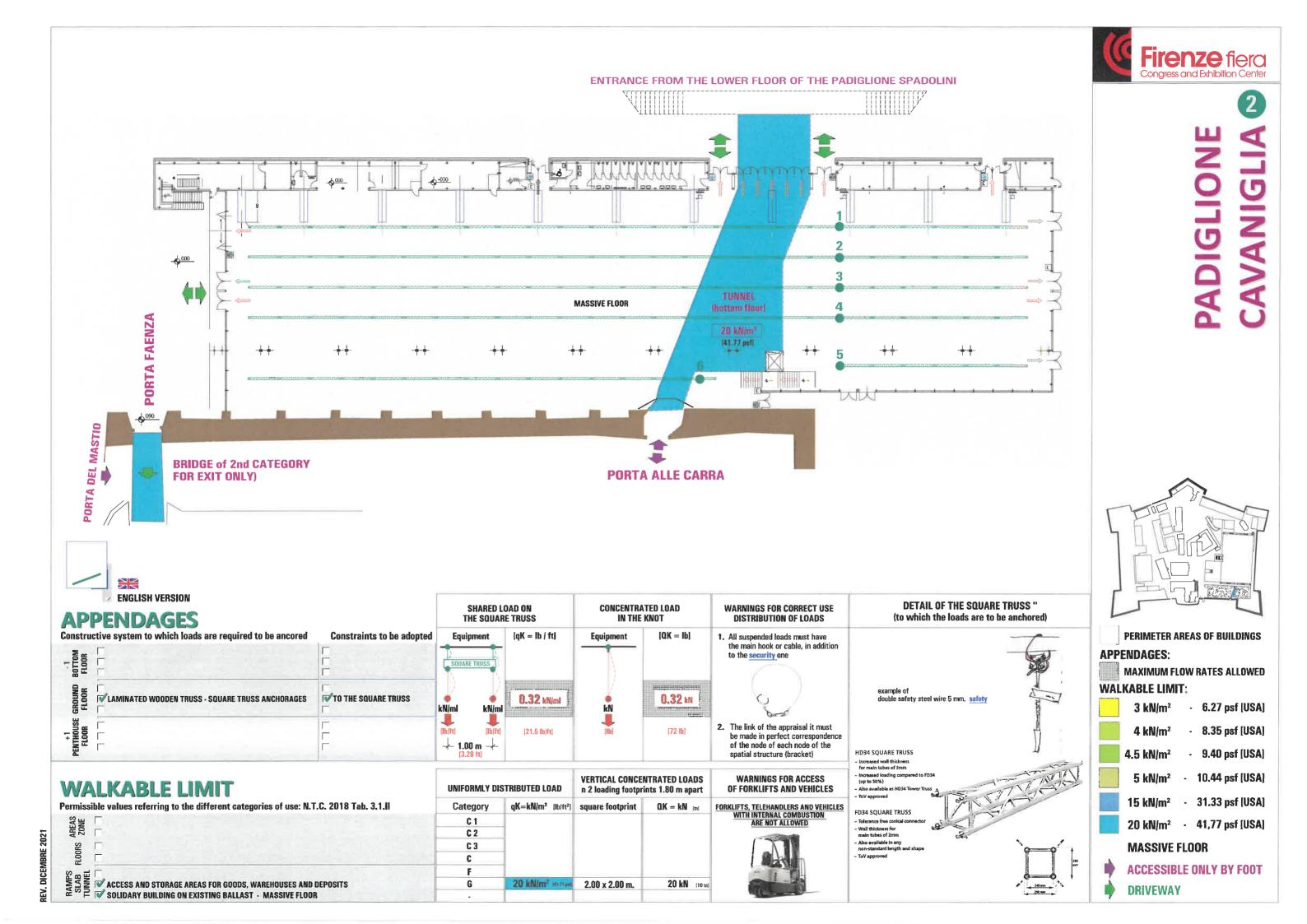
APPENDAGES ARE NOT ALLOWED TO THE FALSE CEILINGS

APPENDAGES ARE NOT ALLOWED TO THE FALSE CEILINGS

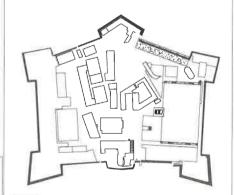
DOWNSTAIRS - BOTTOM FLOOR

APPENDAGES ARE NOT ALLOWED TO THE FALSE CEILINGS











APPENDAGES:

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

- 6.27 psf [USA] 3 kN/m²

4 kN/m² 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

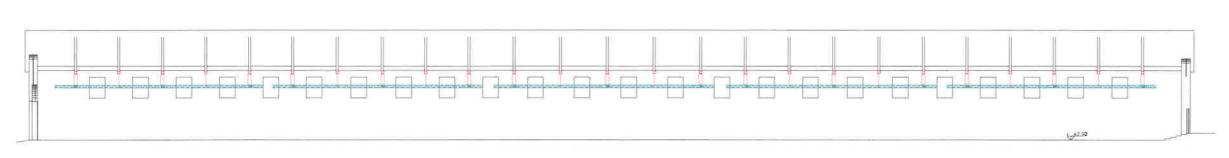
15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

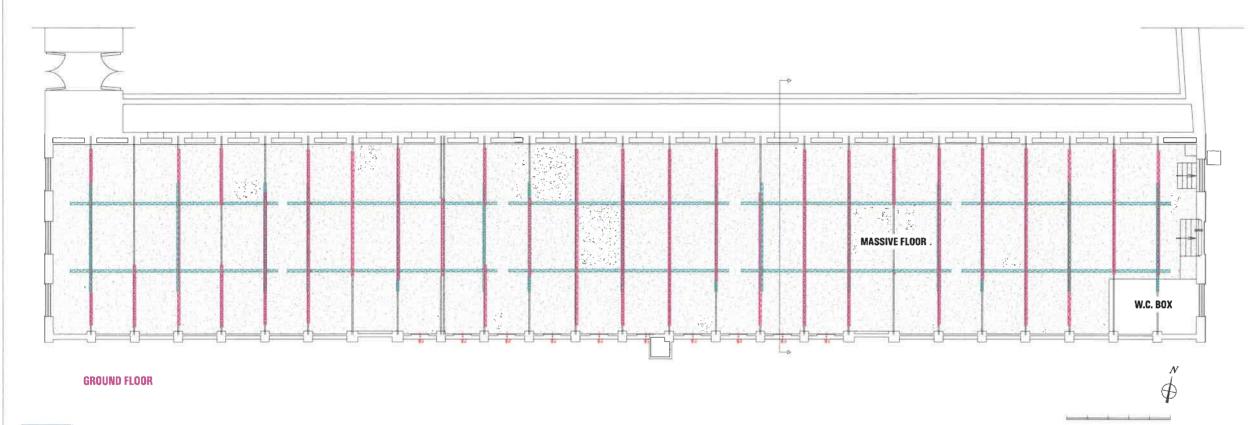
MASSIVE FLOOR



DRIVEWAY



LONGITUDINAL SECTION



ENGLISH VERSION **APPENDAGES** Constructive system to which loads are required to be ancored

Constraints to be adopted TO THE LOAD-BEARING TRUSS ₹ REINFORCED CONCRETE TRUSSES - SQUARE TRUSS ANCHORAGES ₹ TO THE SQUARE TRUSS "EDISON" +1 PENTHOUSE FLOOR 1.00 m 1.00 m

THE SQUARE TRUSS IN ONE POINT aK = lb/ftEquipment 0.36 kN/ml kN/ml kN/ml kN/ml kΝ [25 lb/ft]

SHARED LOAD ON

ONLY n. 2 attacks for each truss 3.60 kN [800 lb]

[QK = Ib]

CONCENTRATED LOAD

2. The link of the appraisal it must be made in perfect correspondence of the node of each node of the spatial structure (bracket)

WARNINGS FOR ACCESS

WARNINGS FOR CORRECT USE

DISTRIBUTION OF LOADS

the main hook or cable, in addition

1. All suspended loads must have

to the security one

IT IS REQUIRED TO CONNECT THE HANGER IN PERFECT CORRESPONDENCE OF THE STRUCTURAL KNOT (PLATE OF REINFORCEMENT) OF THE REINFORCED CONCRETE TRUSS

3.60 kN 🌡

SKETCH

CONSTRAINTS FOR APPENDICES

[800 lb] 43.60 kN

THE SQUARE TRUSS ARE ANCHORED AND PUT IN SAFETY ONLY IN THE SPANS OF THE HOISTS. THE OTHER SPANS ARE ALREADY PREPARED WITH THE CABLES OF STEEL, BUT STILL NOT CONNECTED TO THE SQUARE TRUSS

3. TO OBTAIN THE TOTAL FLOW RATES INDICATED: - WEIGHT OF 3.60 kN FOR EACH CONNECTION · n. 2 MAX CONNECTIONS FOR EACH TRUSS IT WILL THEREFORE BE, AT THE TIME OF PREPARATION, ANCHOR AND SECURE LOADS WITH CABLES OF STEEL ANCHORING THEM TO THE SQUARE TRUSS

WALKABLE LIMIT

Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II

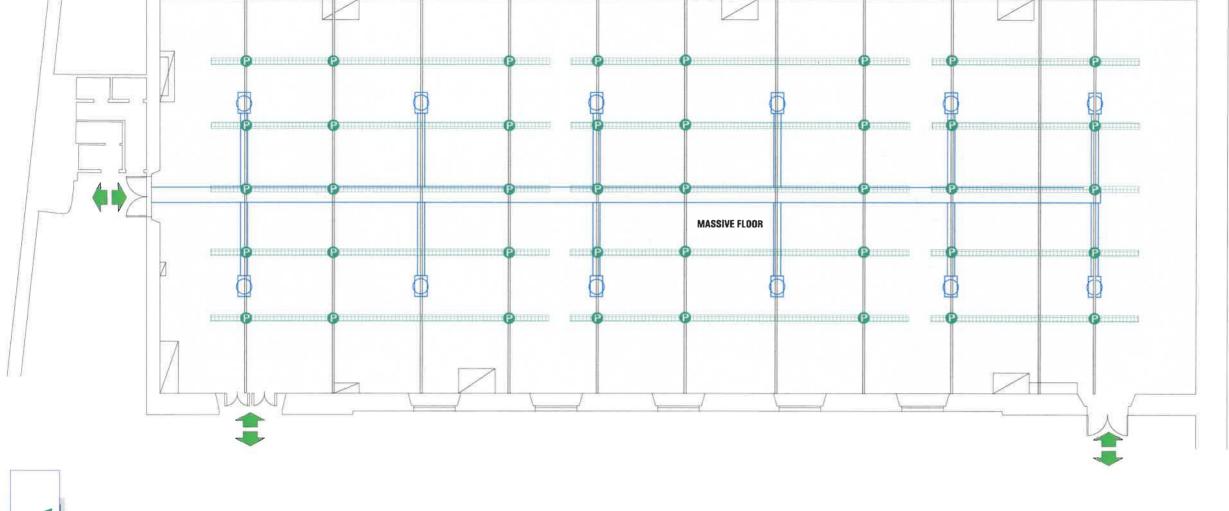
Category C 1 C 2 C 3 C SCAMP SCIENCE TO SCIENCE FOR STATE OF SCIENCE FOR SCIE G

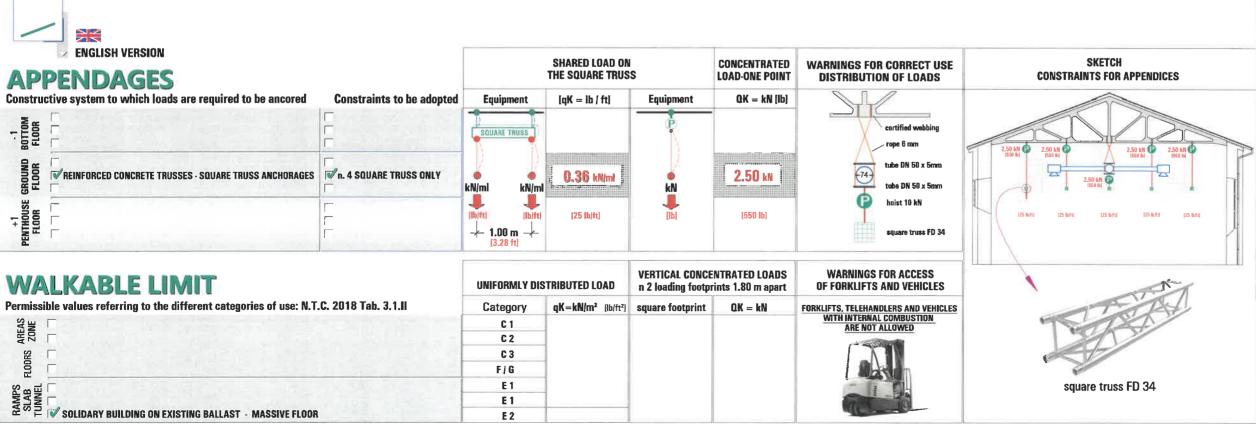
UNIFORMLY DISTRIBUTED LOAD OF FORKLIFTS AND VEHICLES n 2 loading footprints 1.80 m apart qK=kN/m² [lb/ft²] square footprint $\mathbf{QK} = \mathbf{kN}$ [tn] FORKLIFTS, TELEHANDLERS AND VEHICLES WITH INTERNAL COMBUSTION

VERTICAL CONCENTRATED LOADS

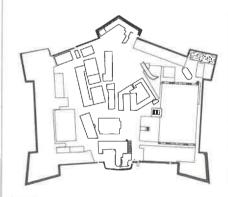
REV. DICEMBRE 2021







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PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED **WALKABLE LIMIT:**

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

15 kN/m² · 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

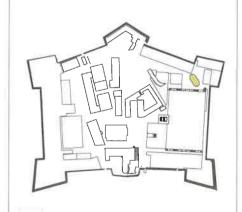
MASSIVE FLOOR

ACCESSIBLE ONLY BY FOOT

DRIVEWAY



POLVERIERA



PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED **WALKABLE LIMIT:**

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

15 kN/m² · 31.33 psf [USA]

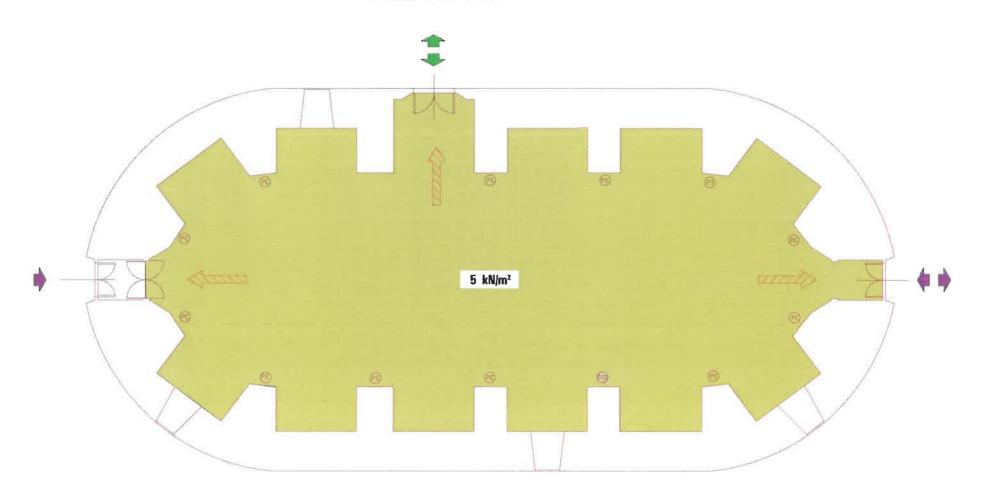
20 kN/m² · 41,77 psf [USA]

MASSIVE FLOOR



DRIVEWAY

PIAZZALE NORD-OVEST





APPENDAGES

NO APPENDAGES IS ALLOWED

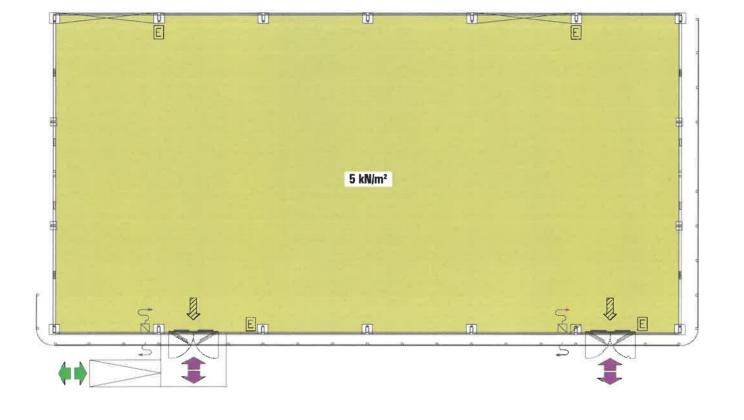
W	ALKABLE LIMIT	UNIFORMLY DI	STRIBUTED LOAD	VERTICAL CONCER		WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES	
Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II		Category	qK=kN/m² [lb/ft²]	square footprint	QK = kN [tn]	FORKLIFTS, TELEHANDLERS AND VEHICLES	
AS AS		C 1				WITH INTERNAL COMBUSTION ARE NOT ALLOWED	
AREAS		C 2					
SRS	■ ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS	C 3	5 kN/m² 118.44 pm?	0.50 x 0.50 m.	5.00 kN (0.50 m)		
F.00		C				DATE	
S ~ = [F					
RAMPS SLAB TUNNEL		G					
多った	SOLIDARY BUILDING ON EXISTING BALLAST - MASSIVE FLOOR	*					



10mt



RONDINO

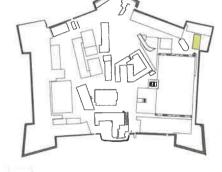




APPENDAGES

CHECK OUT FROM TIME TO TIME

WALKABLE LIMIT Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II				NTRATED LOADS ints 1.80 m apart	WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES	
		qK=kN/m² [lb/ft²]	square footprint	QK = kN [tn]	FORKLIFTS, TELEHANDLERS AND VEHICLES	
ZONE	C 1		0.50 x 0.50 m.	5.00 kN 10.50 tr	WITH INTERNAL COMBUSTION ARE NOT ALLOWED	
AREA TO SEE THE SECOND OF THE	C 2					
☑ ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS	C 3	5 kN/m ² (10.44 pcf)				
	C					
	F					
SAMPS CONNECTION OF TAXABLE PARTY AND SHIP VALUE OF TAXABLE P	G					
≥ ° ≥ solidary building on existing ballast · Massive Floor	*					



PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED

WALKABLE LIMIT:

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

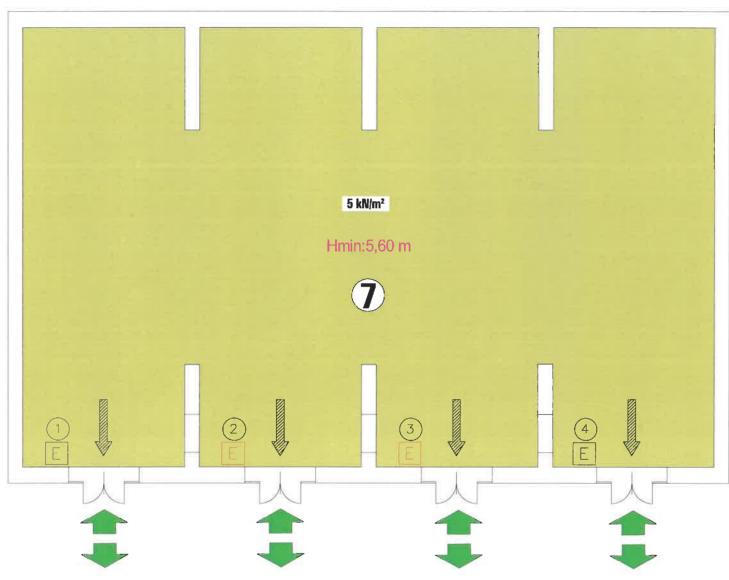
15 kN/m² - 31.33 psf [USA]

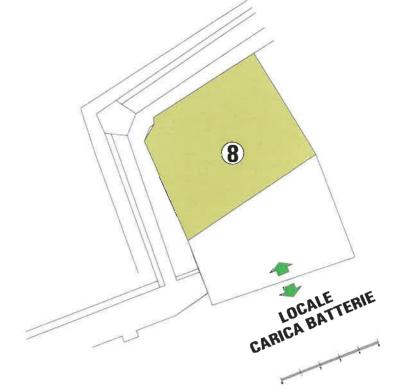
20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR



ACCESSIBLE ONLY BY FOOT DRIVEWAY



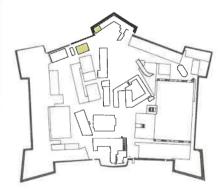








LOCALE CARICA BATTERIE MAGAZZINO 02



PERIMETER AREAS OF BUILDINGS

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

4 kN/m² - 8.35 psf [USA]

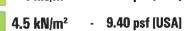
20 kN/m² - 41,77 psf [USA]

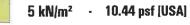
MASSIVE FLOOR

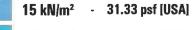




3 kN/m² - 6.27 psf [USA]















APPENDAGES

NO APPENDAGES IS ALLOWED

WALKABLE LIMIT Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II		STRIBUTED LOAD	BUTED LOAD VERTICAL CONCENTRATED LOADS n 2 loading footprints 1.80 m apart		WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES
		qK=kN/m² [lb/ft²]	square footprint	QK = kN (tn)	FORKLIFTS, TELEHANDLERS AND VEHICLES
AREAS	C 1		0.50 x 0.50 m. 5.00 kN (0.50 m)	WITH INTERNAL COMBUSTION ARE NOT ALLOWED	
ZOBE	C 2				
☑ ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS	C 3	5 kN/m ² 10.44 per]		5.00 kN (0.50 tn)	
	C				
	F				
SOLIDARY BUILDING ON EXISTING BALLAST - MASSIVE FLOOR					

1st FLOOR





APPENDAGES

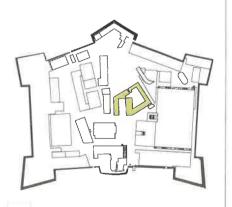
CHECK OUT FROM TIME TO TIME

WALKABLE LIMIT Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II		UNIFORMLY DISTRIBUTED LOAD		VERTICAL CONCENTRATED LOADS n 2 loading footprints 1.80 m apart		WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES	
		Category	qK=kN/m² [lb/ft²]	square footprint	QK = kN [m]	FORKLIFTS, TELEHANDLERS AND VEHICLES	
AS L	SE FIXED SEATING AREAS SUCH AS CONFERENCE HALLS FOR PUBLIC USE ■ ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS	C 1		0.50 x 0.50 m.			
ARE ZO		C 2	4 kN/m ² 18.35 psfj		4.00 kN [0.40 tn]		
8		C 3	5 kN/m ² (10.44 per)		5.00 kN (0.50 tn)		
FE00		C					
S ~ H		F					
RAMPS SLAB TUNNEL		G					
₹01 L							

GROUND FLOOR



PALAZZINA LORENESE



PERIMETER AREAS OF BUILDINGS **APPENDAGES:**

MAXIMUM FLOW RATES ALLOWED **WALKABLE LIMIT:**

3 kN/m² - 6.27 psf [USA]

4 kN/m² · 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

15 kN/m² · 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR



ACCESSIBLE ONLY BY FOOT









APPENDAGES: MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² 9.40 psf (USA)

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

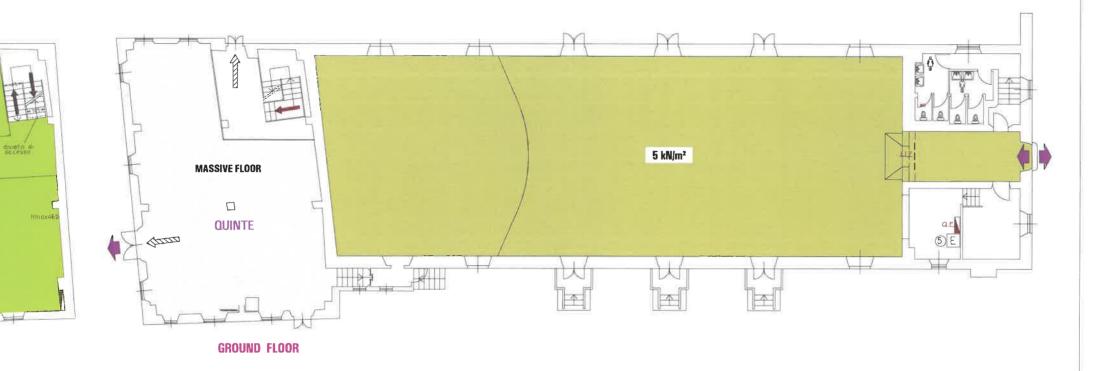
20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR

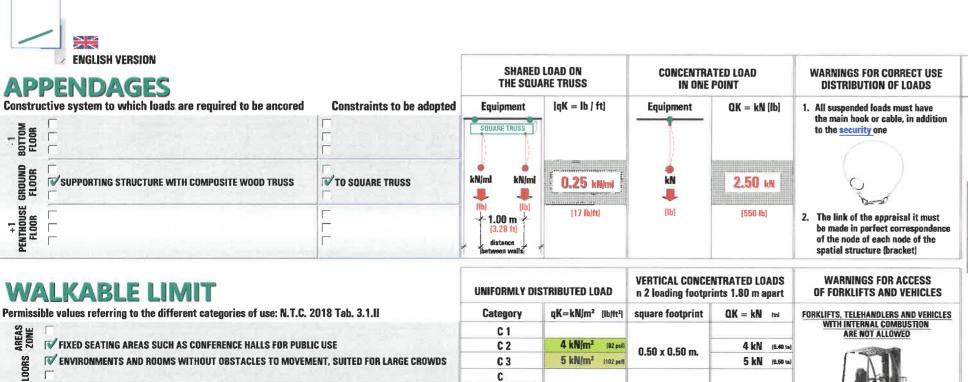


DRIVEWAY







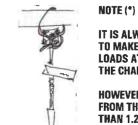


G

maximum 4.00 ft 2.50 kM kn 2.50 [550 lb] [550 ІЬ]

SKETCH

CONSTRAINTS FOR APPENDICES



IT IS ALWAYS PREFERABLE TO MAKE CONNECTIONS LOADS AT THE NODE BETWEEN THE CHAIN AND THE TRUSS STRUD

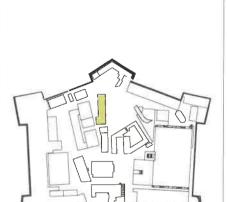
> HOWEVER, THE MAX DISTANCE FROM THE SUPPORTS NOT GREATER THAN 1.20 m [4 ft] IT MUST BE RESPECTED

4 kN/m²

1st FLOOR

S S TAN SOLIDARY BUILDING ON EXISTING BALLAST - MASSIVE FLOOR







AFFERWARES:

NAACHAUGA/FEDOV/RIA/TEISSAALDOVEDD WAAHAAREH LIMITT:

4 kN/m² - - 8.853 psp(s(1535)A)

4.5 kN/m² - - 9.804psps[USIS]A]

5 kN/m² -- 10047Hpsff[LE64]

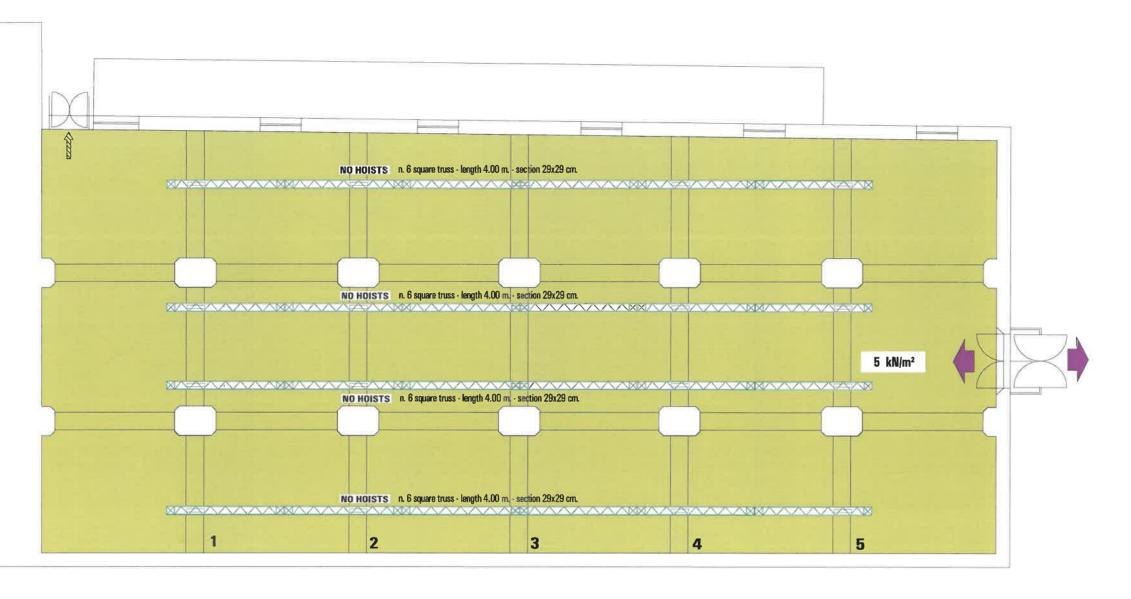
15 kN/m² -- 33113333psff[US94]

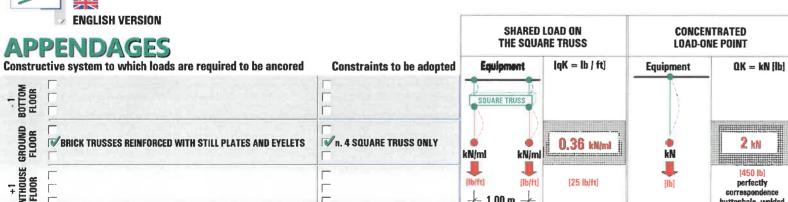
20 kN/m² -- 4#1,7777 ppsff(LEEA)

MASSWEIGOOR

ACCESSIBLE NONBY BY FOOT

DRIVEYWAY



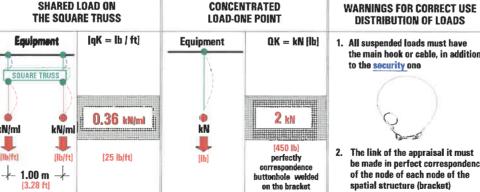


WALKABLE LIMIT

Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II

SOLIDARY BUILDING ON EXISTING BALLAST - MASSIVE FLOOR

 ${\it iv}$ environments and rooms without obstacles to movement, suited for large crowds



qK=kN/m² [lb/ft²] square footprint

5 kN/m² намью 0.50 x 0.50 m.

UNIFORMLY DISTRIBUTED LOAD

Category

C 1

C 2

C 3

F/G

E1 E 1

E 2



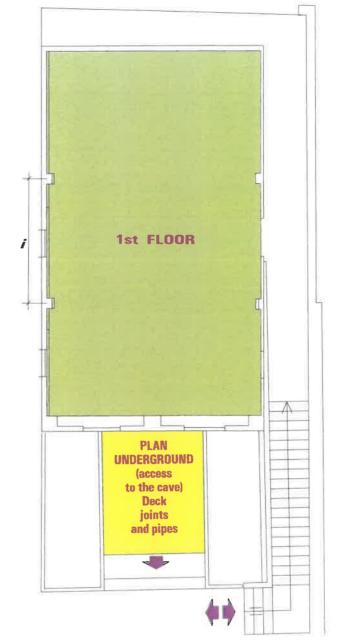


IN THE CASE OF CONNECTIONS WITH RAILS THE LOAD MUST ALWAYS BE USED INTENDING EQUALLY DISTRIBUTED IN CORRESPONDENCE OF EYELETS

SKETCH

n. 5 square tress length 4.00 m. length 4.00 m. section 29x29 cm. section 29x29 m. 0.36 kN/ml 0.36 kN/ml

CONSTRAINTS FOR APPENDICES



VERTICAL CONCENTRATED LOADS

n 2 loading footprints 1.80 m apart

3 kN (0.30 to)

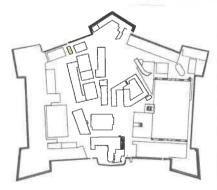
5 kN (0.50 tm)

UNIFORMLY DISTRIBUTED LOAD





PORTA SOCCORSO



PERIMETER AREAS OF BUILDINGS APPENDAGES:

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:,

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR



ACCESSIBLE ONLY BY FOOT DRIVEWAY

ENGLISH VERSION SHARED LOAD ON **CONCENTRATED LOAD APPENDAGES** THE SQUARE TRUSS IN ONE POINT Constructive system to which loads are required to be ancored Constraints to be adopted Equipment [qK = !b / ft]SQUARE TRUSS kN VLAMINATED WOODEN TRUSS - SQUARE TRUSS ANCHORAGES CORRESPONDENCE OF THE KNOT kN/ml 0.25 kN/ml 1,50 kN kN/ml [337 lb] 1.00 m +1 PENTHOUS FLOOR

WARNINGS FOR CORRECT USE DISTRIBUTION OF LOADS

> 1. All suspended loads must have the main hook or cable, in addition to the security one

 The link of the appraisal it must be made in perfect correspondence of the node of each node of the

spatial structure (bracket)

OF FORKLIFTS AND VEHICLES FORKLIFTS, TELEHANDLERS AND VEHICLES
WITH INTERNAL COMBUSTION

WARNINGS FOR ACCESS

ARE NOT ALLOWED



IT IS REQUIRED TO CONNECT THE INPROSSIMITE HANGING OF THE GRAFT BETWEEN THE STRUT AND THE CHAIN OF THE STRUTTURAL WOODEN TRUSS MUST IN ANY CASE RESPECT THE MAX DISTANCE FROM THE PERIMETER WALLS, NOT GREATER THAN 4.00 ft

SKETCH

CONSTRAINTS FOR APPENDICES

0.25 kN/ml [17 lb/ft]

maximum 4.00 ft

KN 1.50 (550 lb)

maximum 4.00 ft

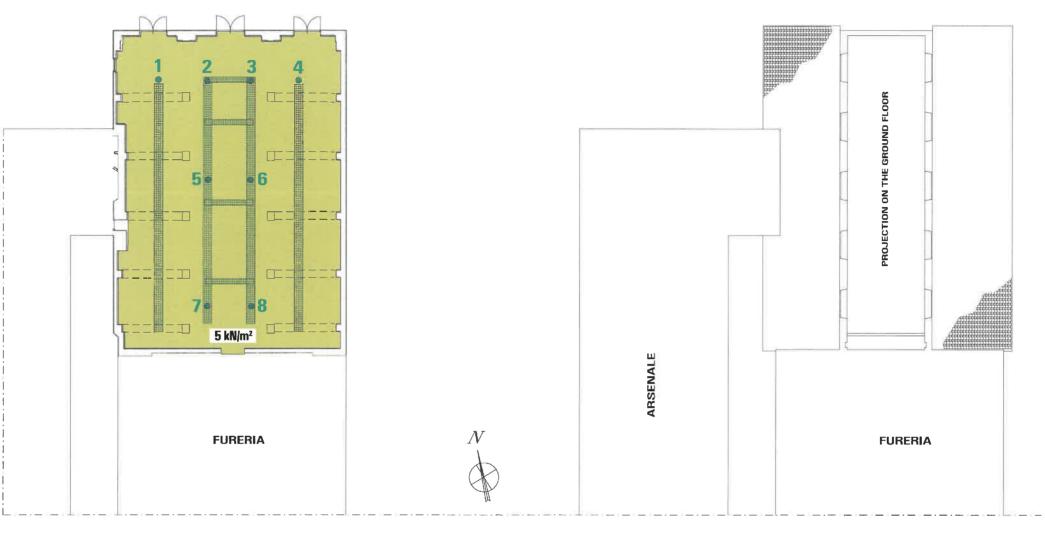
1.50 kN

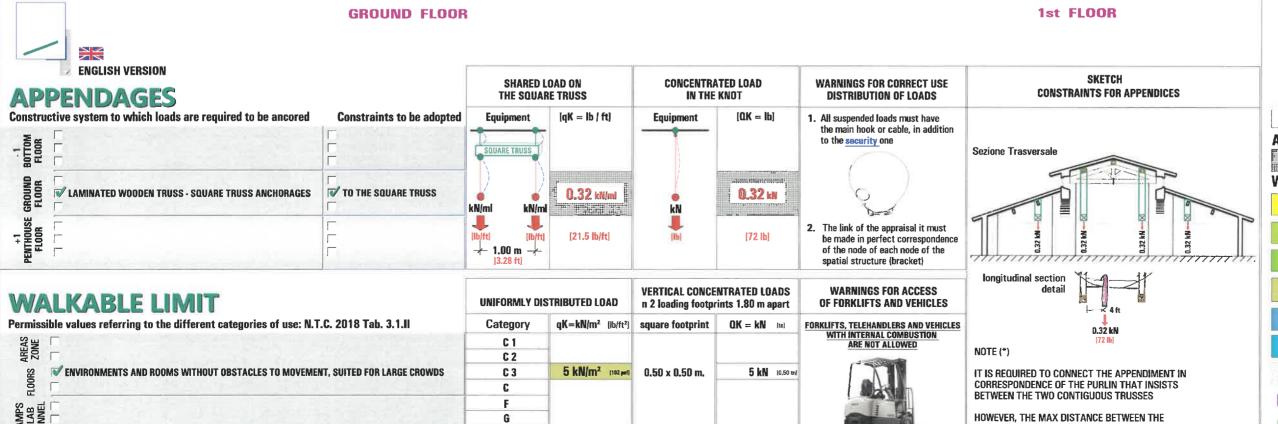
WALKABLE LIMIT

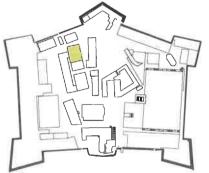
Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II qK = kN/m² [lb/ft²] square footprint Category QK = kN [tn] ENVIRONMENTS WITH TABLES, COFFEE, RESTAURANTS AND STAND SUBJECT TO CROWDING C 1 3 kN/m² 18.27 psf) C 2 $0.50 \times 0.50 \text{ m}$. **ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS** C 3 5 kN/m² (10.44 per) C G











PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf (USA)

15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

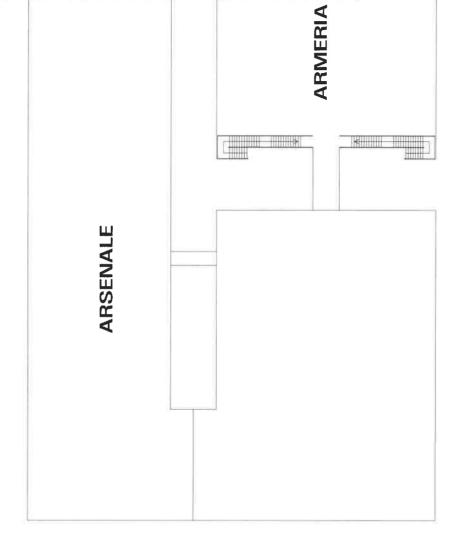
MASSIVE FLOOR

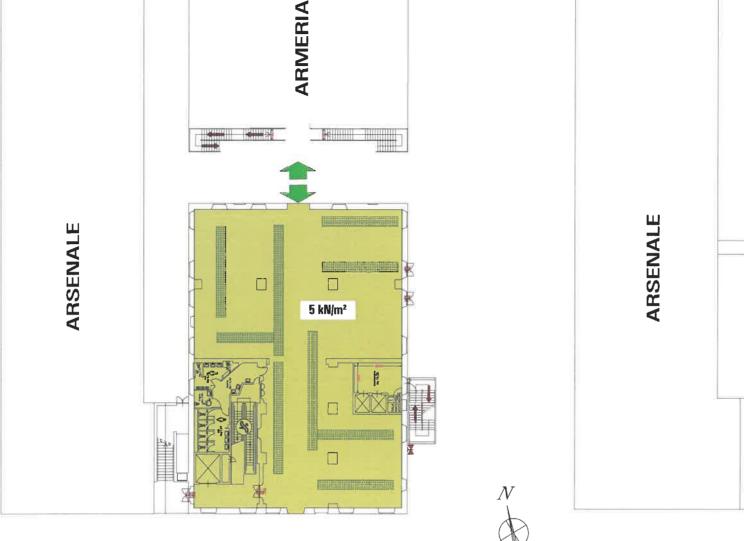




SUPPORTS, NOT GREATER THAN 4 ft





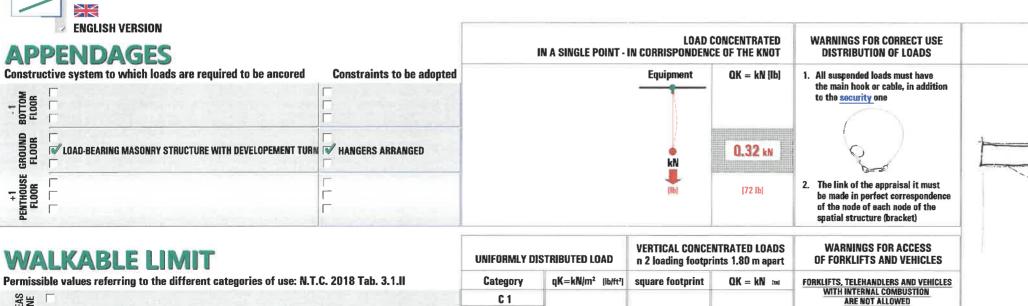


GROUND FLOOR

1st FLOOR

SKETCH

CONSTRAINTS FOR APPENDICES



C 2

C 3

C

G

5 kN/m² 110.44 pell 0.50 x 0.50 m.

5 kN (0.60 tn)

haedband
holts
with steel tie rods
SUQRE TRUSS

NA 25.0

[72 lb]

PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

3 kN/m² · 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² - 9.40 psf (USA)

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf (USA)

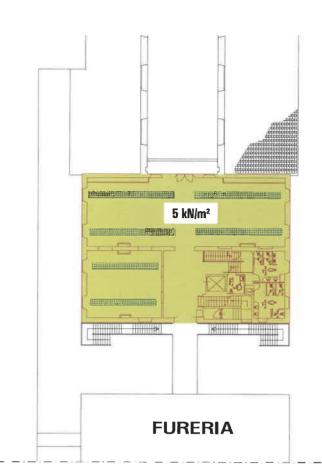
20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR



W ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS

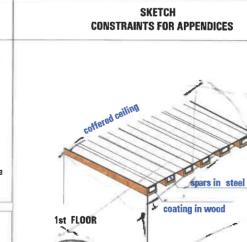




BASILICA FURERIA

1st FLOOR





GROUND FLOOR

PERIMETER AREAS OF BUILDINGS

APPENDAGES:

MAXIMUM FLOW RATES ALLOWED WALKABLE LIMIT:

3 kN/m² - 6.27 psf [USA]

4 kN/m² - 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR

ACCESSIBLE ONLY BY FOOT

DRIVEWAY

GROUND FLOOR

ENGLISH VERSION

APPENDAGES

Constructive system to which loads are required to be ancored

GROUND ■ LOAD-BEARING MASONRY STRUCTURE WITH DEVELOPMENT TURN

■ HANGERS ARRANGED

ARSENALE

Constraints to be adopted

LOAD CONCENTRATED IN A SINGLE POINT - IN CORRISPONDENCE OF THE KNOT Equipment [72 lb]

0.50 x 0.50 m.

. All suspended loads must have the main hook or cable, in addition 0.32 kN

QK = kN tol

5.00 kN (0.50 ta)

The link of the appraisal it must be made in perfect correspondence of the node of each node of the spatial structure (bracket)

WARNINGS FOR CORRECT USE

DISTRIBUTION OF LOADS

to the security one

ARSENALE

OF FORKLIFTS AND VEHICLES FORKLIFTS, TELEHANDLERS AND VEHICLES
WITH INTERNAL COMBUSTION
ARE NOT ALLOWED

WARNINGS FOR ACCESS

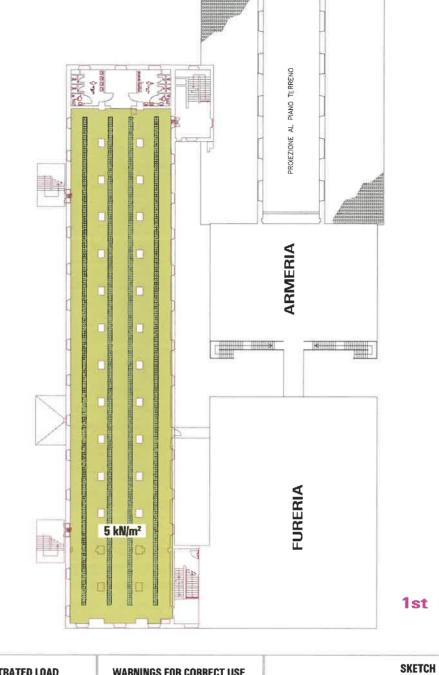


VERTICAL CONCENTRATED LOADS **WALKABLE LIMIT** UNIFORMLY DISTRIBUTED LOAD n 2 loading footprints 1.80 m apart Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II Category qK=kN/m² [lb/ft²] square footprint C 1

C 2 ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS C 3 C G

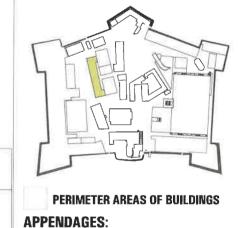






1st FLOOR

CONSTRAINTS FOR APPENDICES



MAXIMUM FLOW RATES ALLOWED

WALKABLE LIMIT: 3 kN/m² · 6.27 psf [USA]

4 kN/m² 8.35 psf [USA]

4.5 kN/m² - 9.40 psf (USA)

5 kN/m² - 10.44 psf [USA]

15 kN/m² - 31.33 psf [USA]

20 kN/m² · 41,77 psf [USA]

MASSIVE FLOOR





CONCENTRATED LOAD **UNIFORM LOAD DISTRIBUTED** Constraints to be adopted 0.15 kN/ml 0.15 kNkN/ml kN III kN/ml 0.15 kN/ml $0.15 \, \mathrm{kN}$ **VERTICAL CONCENTRATED LOADS**

ARMERIA

2. The link of the appraisal it must be made in perfect correspondence of the node of each node of the spatial structure (bracket) WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES

WARNINGS FOR CORRECT USE

DISTRIBUTION OF LOADS

1. All suspended loads must have the main hook or cable, in addition

to the <u>security</u> one

FORKLIFTS, TELEHANDLERS AND VEHICLES
WITH INTERNAL COMBUSTION
ARE NOT ALLOWED

WALKABLE LIMIT UNIFORMLY DISTRIBUTED LOAD n 2 loading footprints 1.80 m apart qK=kN/m² (lb/ft²) square footprint Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II Category QK = kN ttnl C 2 **W**ENVIRONMENTS AND ROOMS WITHOUT OBSTACLES TO MOVEMENT, SUITED FOR LARGE CROWDS C 3 5 kN/m² [102 part] 0.50 x 0.50 m. C G

TO THE "ALTALITE" TRUSS

TO THE "ALTALITE" TRUSS

5 kN/m²

GROUND FLOOR

ENGLISH VERSION

Constructive system to which loads are required to be ancored

TRIANGULAR PRINTED STEEL PROFILES SECTION 4 mm x 4mm

TRIANGULAR PRINTED STEEL PROFILES SECTION 4 mm x 4mm

APPENDAGES

5 kN |0,50 tn)

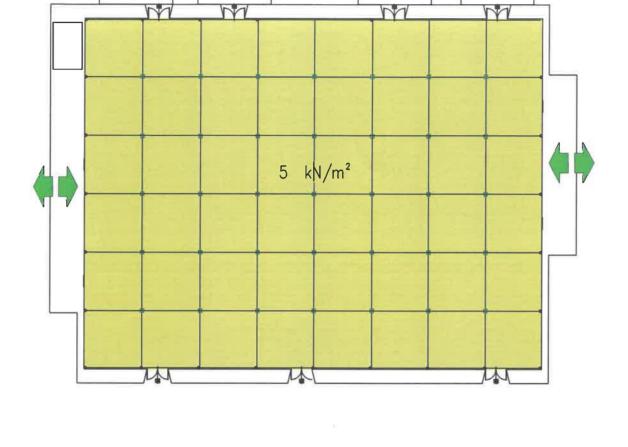
+1 PENTHOUSE FLOOR

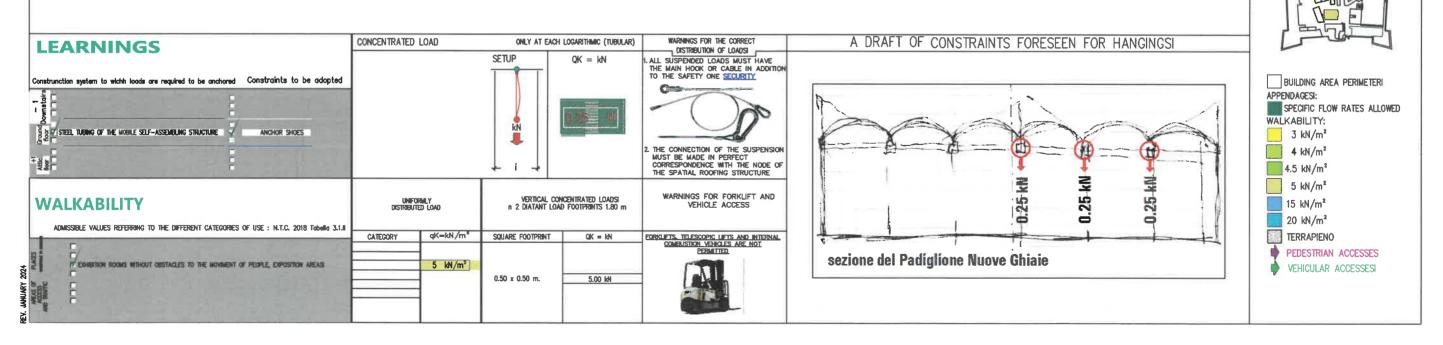
DRIVEWAY







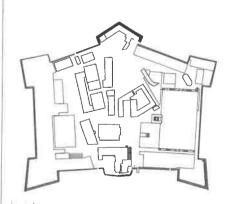








EX MAGAZZINO



PERIMETER AREAS OF BUILDINGS

APPENDAGES: MAXIMUM FLOW RATES ALLOWED

WALKABLE LIMIT:

3 kN/m² - 6.27 psf [USA]

4 kN/m² · 8.35 psf [USA]

4.5 kN/m² - 9.40 psf [USA]

5 kN/m² - 10.44 psf [USA]

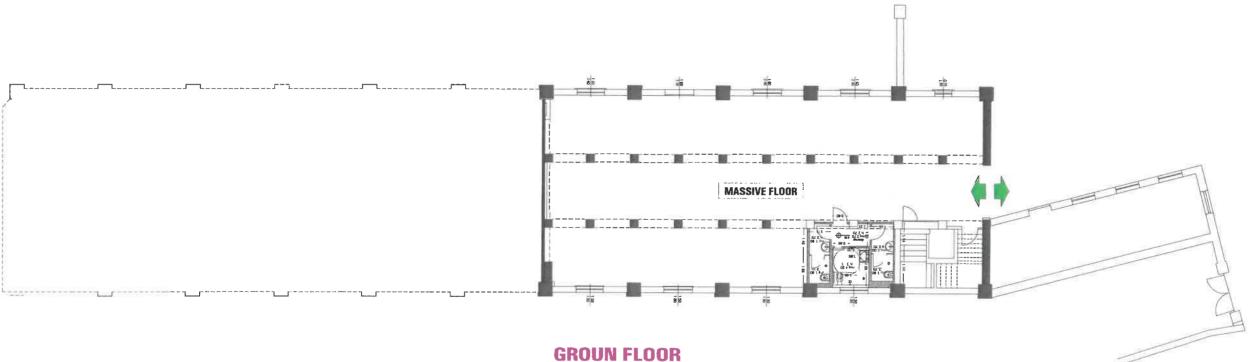
15 kN/m² · 31.33 psf [USA]

20 kN/m² - 41,77 psf [USA]

MASSIVE FLOOR



DRIVEWAY



ENGLISH VERSION

APPENDAGES

CHECK OUT FROM TIME TO TIME

WALKABLE LIMIT	UNIFORMLY DI	STRIBUT
Permissible values referring to the different categories of use: N.T.C. 2018 Tab. 3.1.II	Category	qK=
SOUR AREAS USED FOR OFFICES (OPEN AND NOT OPEN TO THE PUBLIC)	В	
W S C S C S C S C S C S C S C S C S C S	C 2	
Se La	C 3	
FLOORS CONTRACTOR OF THE PROPERTY OF THE PROPE	C	
8, , ⊒ [F	
	G	
≈° ≥ √ solidary building on existing ballast - Massive Floor		

UNIFORMLY DI	STRIBUTED LOAD	VERTICAL CONCER n 2 loading footpri		WARNINGS FOR ACCESS OF FORKLIFTS AND VEHICLES		
Category	qK=kN/m² (lb/ft²)	square footprint	QK = kN (m)	FORKLIFTS, TELEHANDLERS AND VEHICLES		
В				WITH INTERNAL COMBUSTION ARE NOT ALLOWED		
C 2		-				
C 3						
C				1 1 1 1 1 1 1 1 1 1		
F		1		THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM		
G						
				4		

