

summary technical sheet

(EN 12810; EN 12811)



*EUROPEAN SCAFFOLDING OF
PREFABRICATED ELEMENTS*

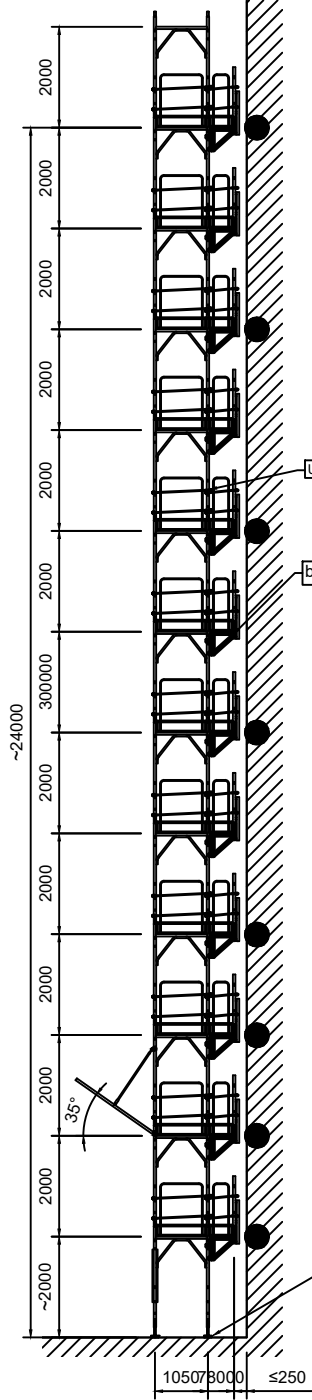
BF105 / RP 105 (RAPIDO 105)

Code 00152

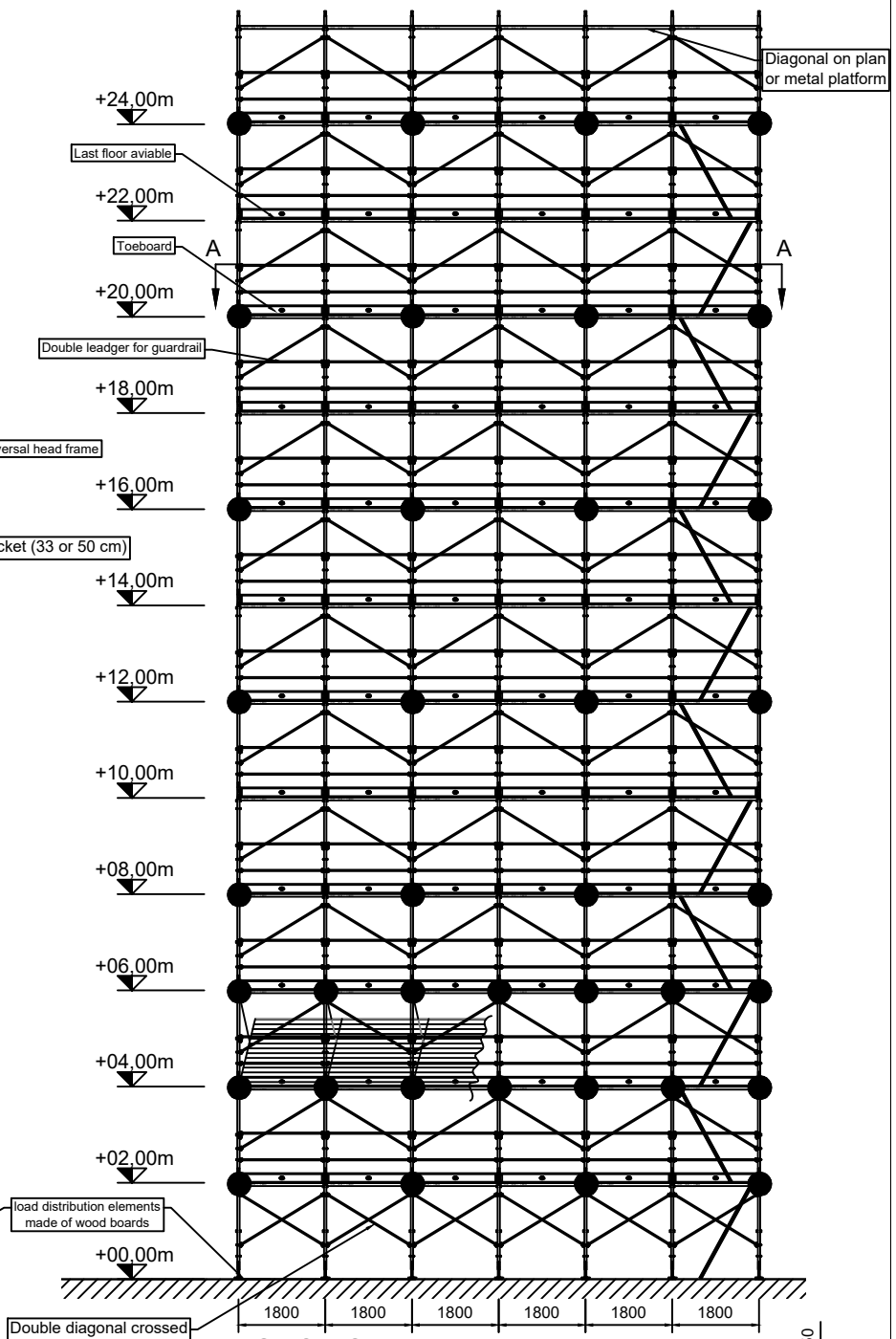
LIMIT OF USE CONDITIONS AND INSTRUCTIONS FOR ALL STANDARD DIAGRAMS				
1. Maximum height of the top workable plane				24 m
2. Maximum number of mountable planes				12
3. Maximum pressure of wind (on ground level)				$800 \frac{N}{m^2}$
4. Maximum pressure of snow load				$2\,670 \frac{N}{m^2}$
5. Maximum conditions of service load				
• class 4	$\left\{ \begin{array}{l} \text{for work area } 3.00 \frac{kN}{m^2} \\ \text{for platforms under work area } 1.50 \frac{kN}{m^2} \end{array} \right.$			
6. Maximum actions transmitted to the support plan				
	Internal pillar		External pillar	
	On service condition	Out service condition	On service condition	Out service condition
Layout 1	13'005 N	16'167 N	10'033 N	16'257 N
Layout 2	6'642 N	8'107 N	10'488 N	16'585 N
Layout 3	13'021 N	18'409 N	4'217 N	7'508 N
Layout 4	721 N	980 N	17'066 N	24'693 N
Layout 5	10'033 N	16'257 N	10'033 N	16'257 N
<i>*pillar doubled</i>				
7. Maximum actions transmitted to the anchor				
	Pulling force	Compression force	anchored pillars	type
Layout 1				
• floor with protection fan	1'798 N	5'664 N	each	●
• floor above the floor with protection fan	3'581 N	530 N	each	●
• all the other floor	5'704 N	5'974 N	alternating	●
Layout 2				
• floor with protection fan	2'152 N	4'955 N	each	●
• floor above the floor with protection fan	4'227 N	980 N	each	●

• all the other floor	4'227 N	4'955 N	alternating	●
Layout 3				
• floor with protection fan	1'831 N	5'722 N	each	●
• floor above the floor with protection fan	3'811 N	465 N	each	●
• all the other floor	5'452 N	6'055 N	alternating	●
Layout 4				
• first floor	0 N	8'094 N	each	●
• second floor	7'900 N	0 N	each	▲
• floor with protection fan	1'791 N	5'741 N	each	▲
• floor above the floor with protection fan	4'240 N	984 N	alternating	●
• all the other floor	5'436 N	6'111 N	alternating	●
Layout 5				
• floor with protection fan	3'016 N	5'527 N	each	●
• floor above the floor with protection fan	3'615 N	632 N	each	●
• all the other floor	5'435 N	6'125 N	alternating	●
<p>Considering the forces parallel to the façade of the building served the anchorages can be realized in each of the ways reported in the anchor report. For each anchorage it's required that the system building-anchorage guarantees a degree of safety not less than 2.5. This level of safety shall be determined by certificates issued by the system manufacturer or by tests carried out on site</p>				
<p>Considering the forces parallel to the facade of the building served, in the floor where the anchorage is provided, must be realized at least every 6 drawn a special anchorage (V type). For each anchorage it's required that the system building-anchorage guarantees a degree of safety not less than 2.5 (considering a project load of 6.6kN). This level of safety shall be determined by certificates issued by the system manufacturer or by tests carried out on site</p>				
8. Installation of wooden floors is prohibited				
9. Regulatory protection should be provided on all sides facing on the void				
10. Access to the scaffolding is to be achieved by steel access deck and ladder tops				

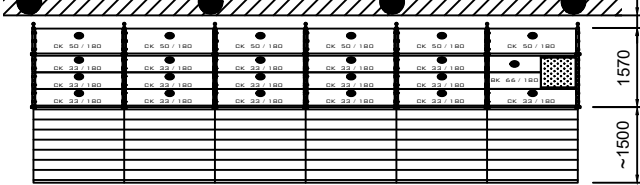
LATERAL VIEW



FRONT VIEW




SECTION A-A



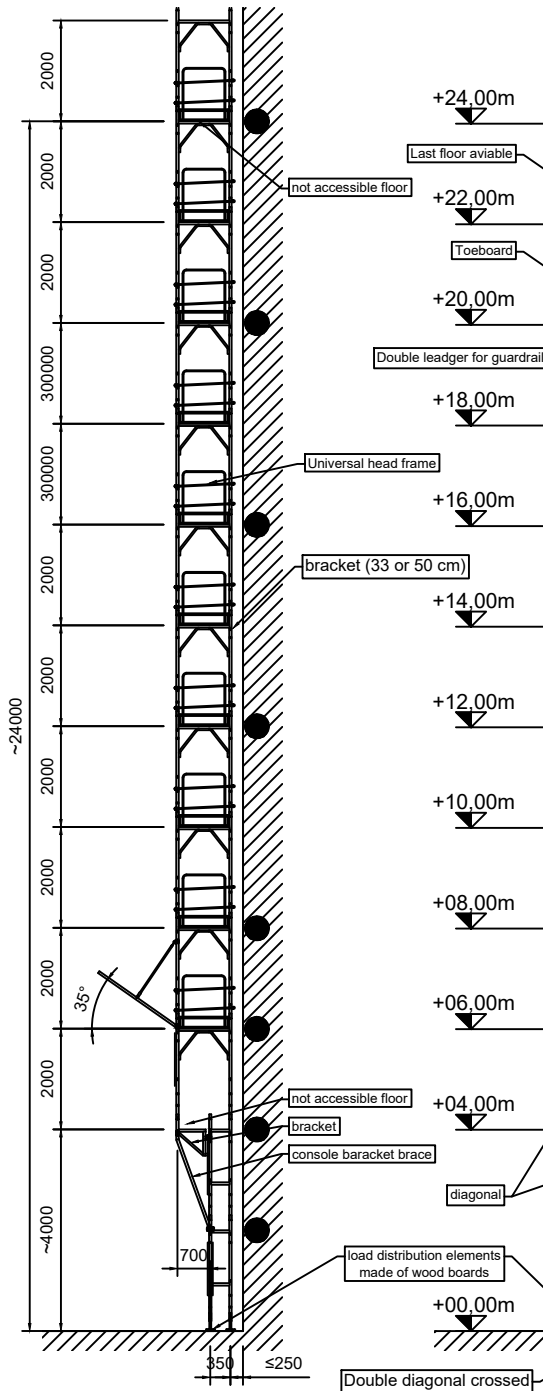
- Normal anchor
- ▲ Special anchor

ELEMENTS COMPOSING THE LAYOUT 1:

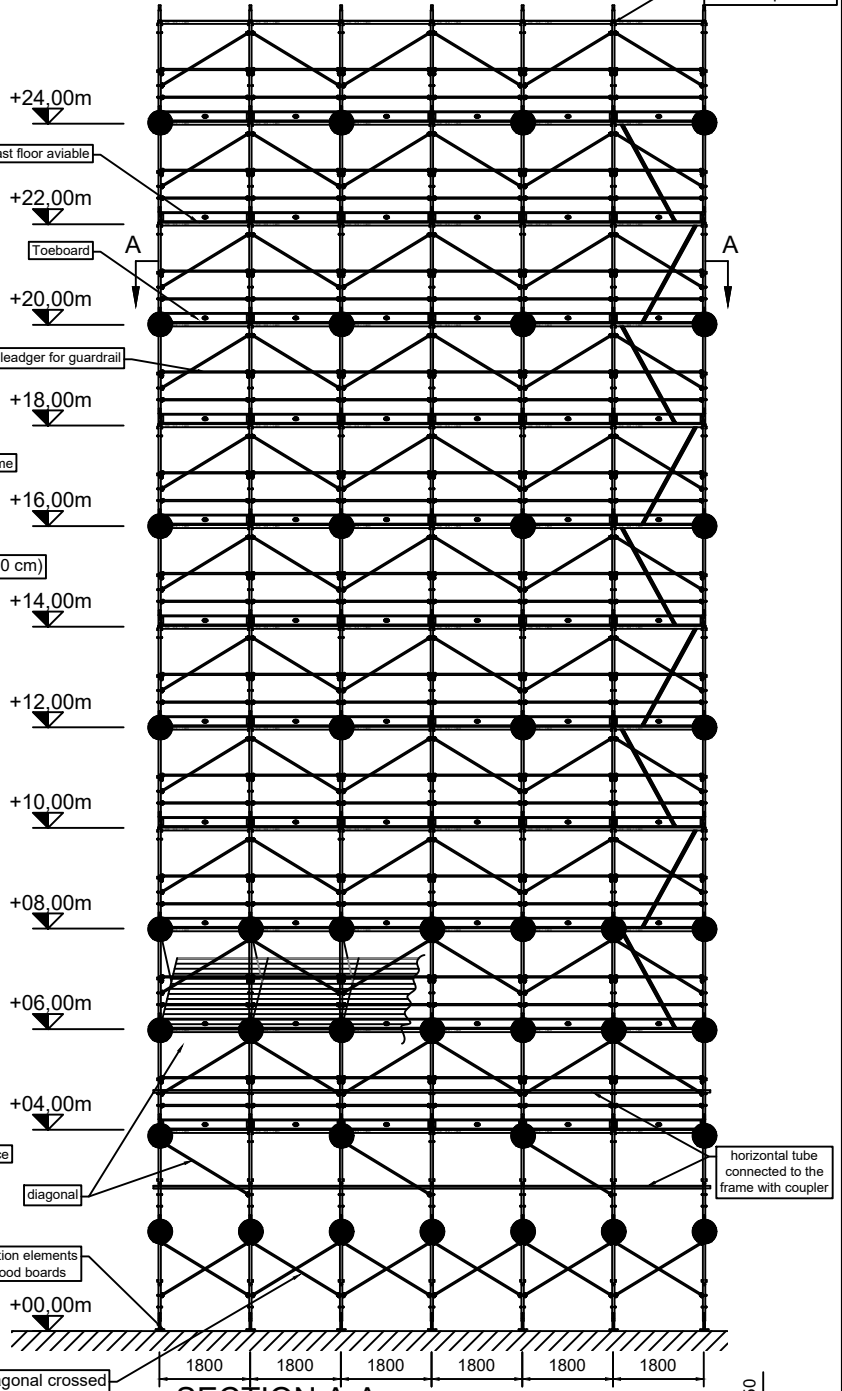
- Base plate, with load distribution elements
- Double diagonal crossed at the base of the scaffolding, placed on the outside
- Double leadger for safety guardrail, diagonal, toebord and steel board on each bay of each floor
- locking device at each connection between frame
- Universal head frame to protect the end sections facing the vacuum at all levels
- Provide at least one steel access deck whit ladder on each floor
- Protection fans for scaffolds placed to each bay of the second floor
- Internal bracket (33 or 50 cm) on each floor

Date : 05/10/2021		Description		SCAFFOLDING	
 CETA S.P.A. Via Grumello, 47/49 24127 Bergamo - Italia Tel. 035 4548511 mail: ceta@ceta.it		Layout with internal bracket composed by: internal bracket, metal platform on each floor, protection fans, ladder and bracket on the internal side		RAPIDO 105	
				TAV. 01-EU-RP105	
Scale		1:150	dimensions expressed on mm		

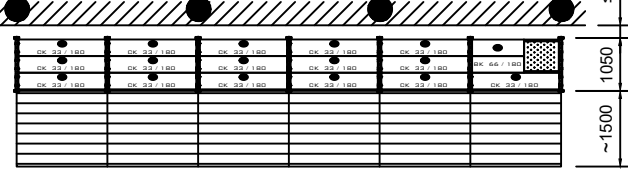
LATERAL VIEW



FRONT VIEW




SECTION A-A



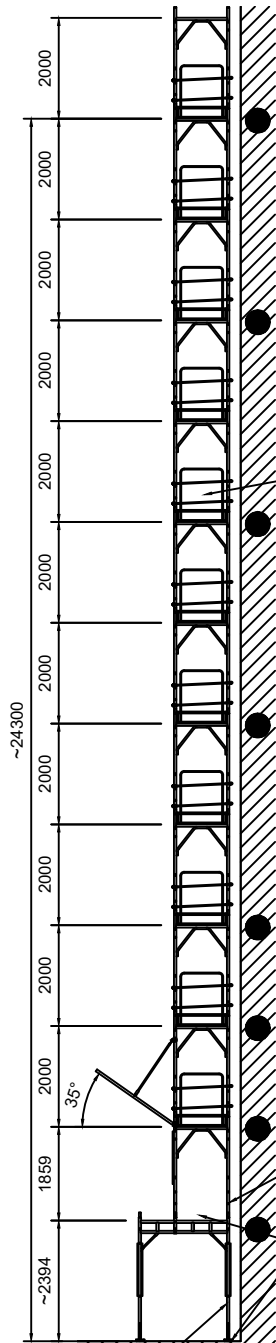
- Normal anchor
- ▲ Special anchor

ELEMENTS COMPOSING THE LAYOUT 2:

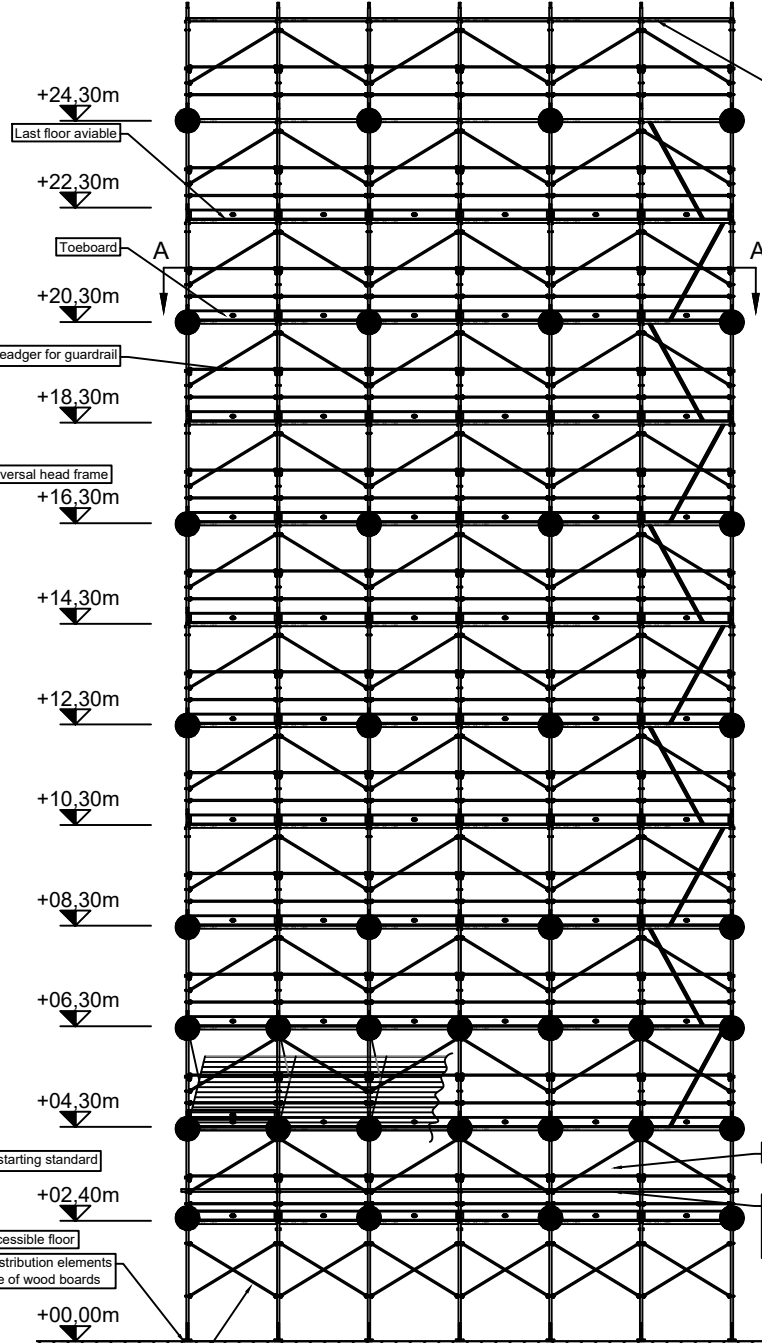
- Base plate, with load distribution elements
- Double diagonal crossed at the base of the scaffolding, placed on the outside
- Double leadger for safety guardrail, diagonal, toebord and steel board on each bay of each floor
- Locking device at each connection between frame
- Universal head frame to protect the end sections facing the vacuum at all levels
- Provide at least one steel access deck whit ladder on each floor
- Protection fans for scaffolds placed to each bay of the third floor
- Starter frame 35 cm wide with bracket 70 cm and console baracket brace

Date :	05/10/2021	Description	SCAFFOLDING
 CETA S.P.A. Via Grumello, 47/49 24127 Bergamo - Italia Tel. 035 4548511 mail: ceta@ceta.it	Layout with narrow start composed by: starter frame 35 cm wide, bracket 70 cm, console baracket brace metal platform on each floor, protection fans, ladder and bracket on the internal side		RAPIDO 105
	Scale	1:150	dimensions expressed on mm

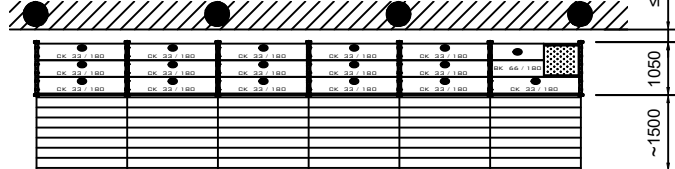
LATERAL VIEW



FRONT VIEW




SECTION A-A



- Normal anchor
- ▲ Special anchor

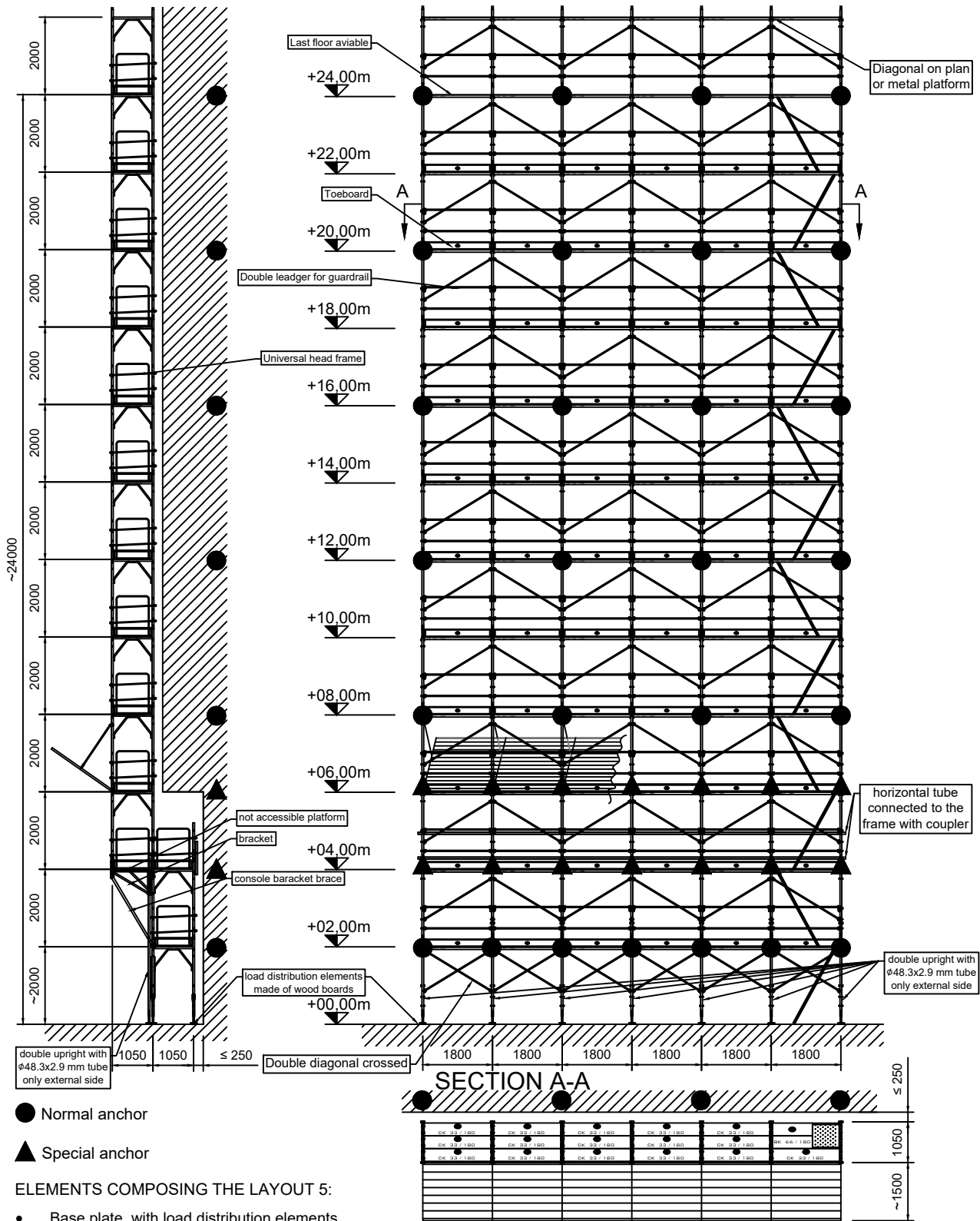
ELEMENTS COMPOSING THE LAYOUT 3:

- Base plate, with load distribution elements
- Double diagonal crossed at the base of the scaffolding, placed on the outside
- Double ledger for safety guardrail, diagonal, toebord and steel board on each bay of each floor
- locking device at each connection between frame
- Universal head frame to protect the end sections facing the vacuum at all levels
- Provide at least one steel access deck whit ladder on each floor
- Protection fans for scaffolds placed to each bay of the second floor
- Starter frame for pedestrain crossing

Date : 05/10/2021		Description		SCAFFOLDING	
 CETA S.P.A. Via Grumello, 47/49 24127 Bergamo - Italia Tel. 035 4548511 mail: ceta@ceta.it		Layout with pedestrain crossing composed by: pedestrain crossing, metal platform on each floor, protection fans and ladder		RAPIDO 105	
				TAV. 03-EU-RP105	
Scale		1:150	dimensions expressed on mm		

LATERAL VIEW


FRONT VIEW



- Normal anchor
- ▲ Special anchor

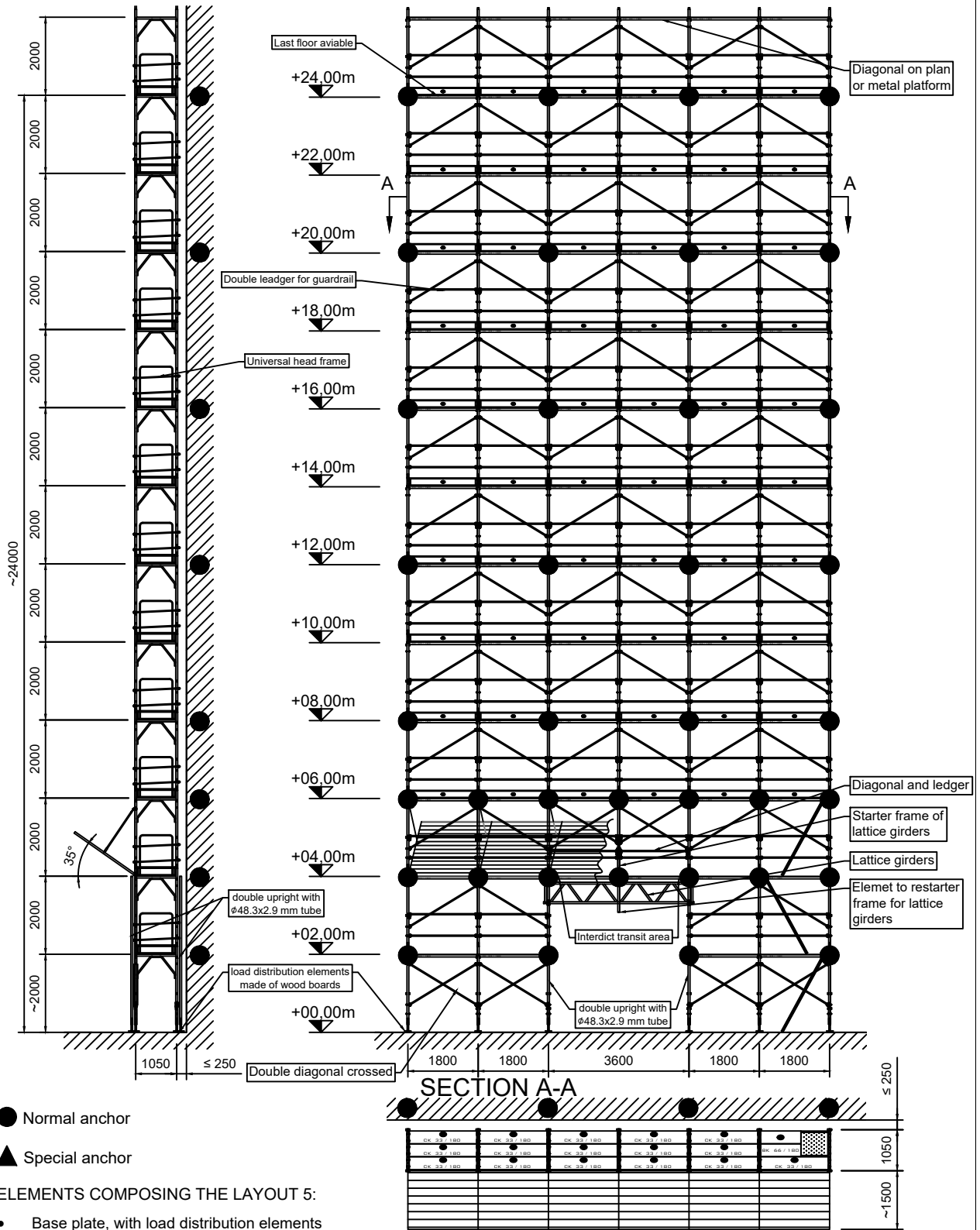
ELEMENTS COMPOSING THE LAYOUT 5:

- Base plate, with load distribution elements
- Double diagonal crossed at the base of the scaffolding, placed on the outside
- Double ledger for safety guardrail, diagonal, toebord and steel board on each bay of each floor
- locking device at each connection between frame
- Universal head frame to protect the end sections facing the vacuum at all levels
- Provide at least one steel access deck whit ladder on each floor
- Protection fans for scaffolds placed to each bay of the second floor
- Bracket 70 cm and console baracket brace

Date : 05/10/2021		Description		SCAFFOLDING	
 CETA S.P.A. Via Grumello, 47/49 24127 Bergamo - Italia Tel. 035 4548511 mail: ceta@ceta.it		Layout with bracket on the external side metal platform on each floor, protection fans and ladder		RAPIDO 105	
				TAV. 04-EU-RP105	
Scale		1:150	dimensions expressed on mm		

LATERAL VIEW

FRONT VIEW




● Normal anchor

▲ Special anchor

ELEMENTS COMPOSING THE LAYOUT 5:

- Base plate, with load distribution elements
- Double diagonal crossed at the base of the scaffolding, placed on the outside
- Double ledger for safety guardrail, diagonal, toebord and steel board on each bay of each floor
- locking device at each connection between frame
- Universal head frame to protect the end sections facing the vacuum at all levels
- Provide at least one steel access deck whit ladder on each floor
- Protection fans for scaffolds placed to each bay of the second floor
- Double lattice girders, starter frame of lattice girders, elemet to restarter frame for lattice girders

Date :	05/20/2020	Description	SCAFFOLDING
 <p>CETA S.P.A. Via Grumello, 47/49 24127 Bergamo - Italia Tel. 035 4548511 mail: ceta@ceta.it</p>	Layout with lattice girders composed by: lattice girders, metal platform on each floor, protection fans and ladder		RAPIDO 105
	Scale	1:150	dimensions expressed on mm