

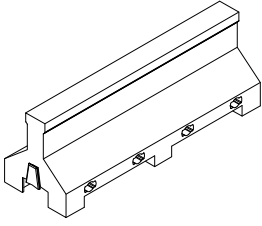
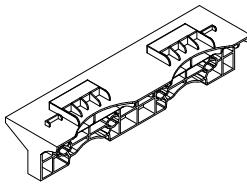
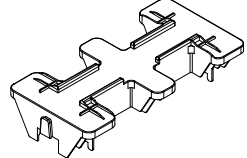
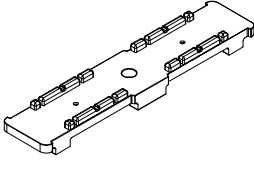
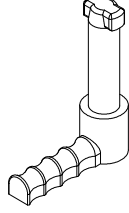

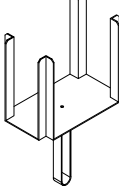
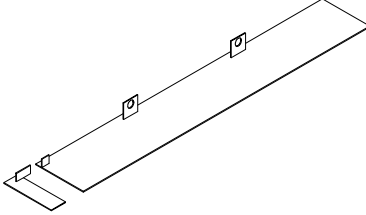
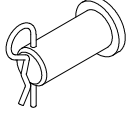
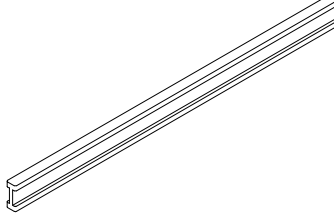
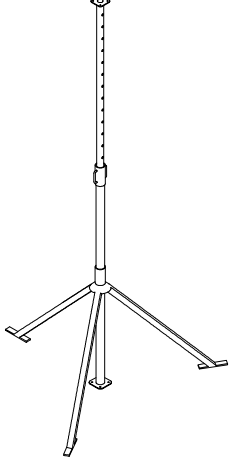


GEOSKY



MANUALE TECNICO 
TECHNICAL MANUAL 

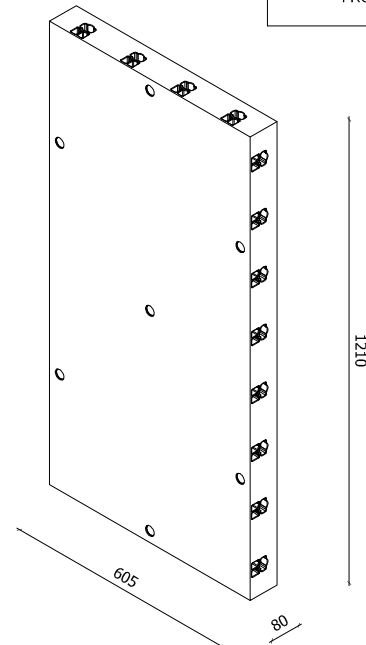
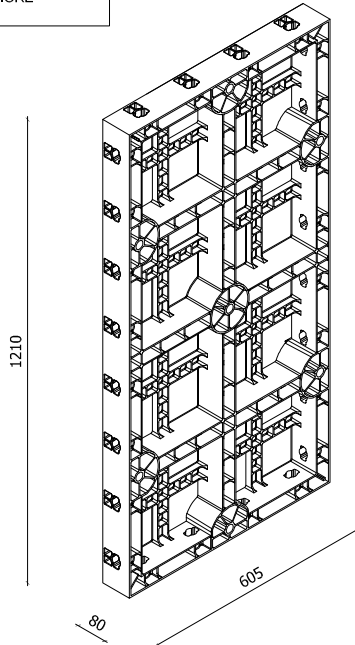
PAG. 2	LIST OF COMPONENTS - LISTA COMPONENTI
PAG. 4	GEOSKY H-Y SYSTEM ASSEMBLING - ASSEMBLAGGIO SISTEMA GEOSKY H-Y
PAG. 8	PANELS DISPOSITION - DISPOSIZIONE PANNELLI
PAG. 8	PROPS DISPOSITION - DISPOSIZIONE PUNTELLI
PAG. 9	GEOSKY H-Y SYSTEM DISMANTLING - DISARMO SISTEMA GEOSKY H-Y
PAG. 11	DISMANTLING REQUIREMENTS - PRESCRIZIONI DISARMO
PAG. 11	POST-PROPPING REQUIREMENTS - PRESCRIZIONI POST-PUNTELLAZIONE
PAG. 12	GEOSKY HS SYSTEM ASSEMBLING - ASSEMBLAGGIO SISTEMA GEOSKY HS
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PAG. 19	PERIMETRAL COMPENSATION WITH WP - COMPENSAZIONE PERIMETRALE CON WP
PAG. 19	PERIMETRAL WOOD COMPENSATION - COMPENSAZIONE PERIMETRALE IN LEGNO
PAG. 20	LOWER BEAM COMPENSATION WITH WP - COMPENSAZIONE TRAVE RIBASSATA CON WP
PAG. 20	LOWER BEAM WOOD COMPENSATION - COMPENSAZIONE TRAVE RIBASSATA IN LEGNO
PAG. 21	BOND BEAM COMPENSATION WITH WP - COMPENSAZIONE CORDOLO CON WP
PAG. 21	BOND BEAM WOOD COMPENSATION - COMPENSAZIONE CORDOLO IN LEGNO
PAG. 22	COLUMN COMPENSATION - COMPENSAZIONE COLONNA
PAG. 23	DILATATION PLATE WITH HS SYSTEM - PIASTRA DI DILATAZIONE CON SISTEMA HS
PAG. 24	DILATATION PLATE WITH H-Y SYSTEM - PIASTRA DI DILATAZIONE CON SISTEMA H-Y
PAG. 25	OPERATION AND MAINTENANCE REQUIREMENTS - PRESCRIZIONI DI USO E MANUTENZIONE
PAG. 25	SAFETY REQUIREMENTS - PRESCRIZIONI DI SICUREZZA

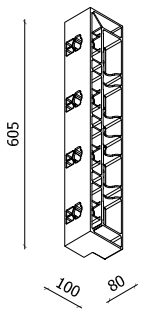
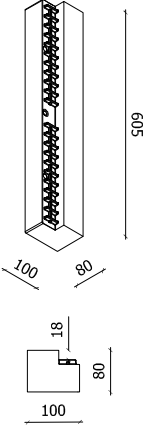
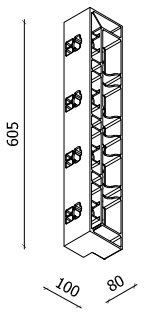
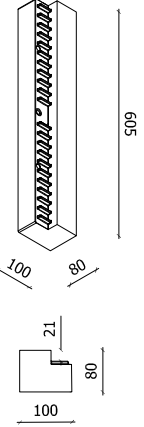
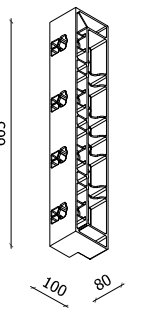
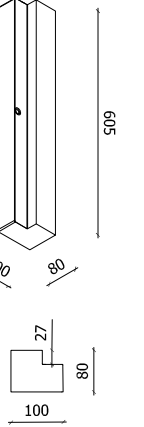
					
Y BEAM	TRAVETTO Y	WEDGE	CUNEO	H BEAM	TRAVETTO H
					
HS BEAM	TRAVETTO HS	HANDLE MANIGLIA	CAP Ø 25mm	TAPPO Ø 25mm	FORCELLA FORK
					
DILATION PLATE AND Y DILATION PLATE	PIASTRA DI DILATAZIONE E PIASTRA Y DI DILATAZIONE	PIN Ø 24 WITH R-CLIP	PERNO Ø 24 CON COPIGLIA	H20 BEAM	TRAVE H20
					PROP AND TRIPOD
					PUNTELLO E TREPIEDE

GEOPANEL 120X60

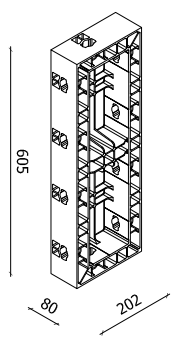
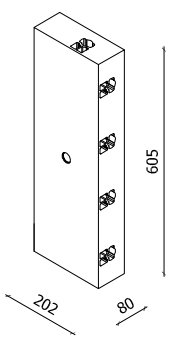
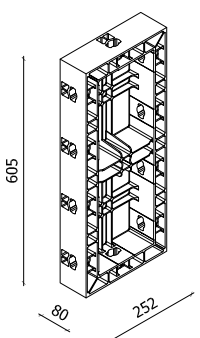
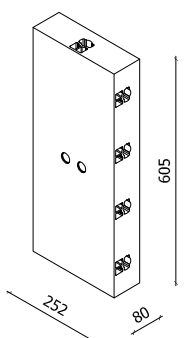
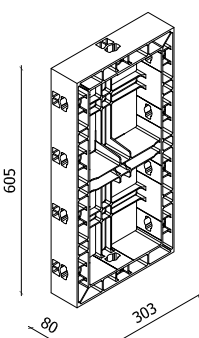
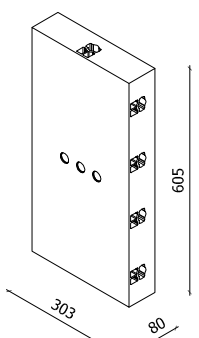
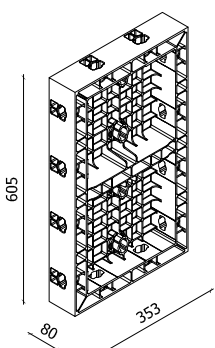
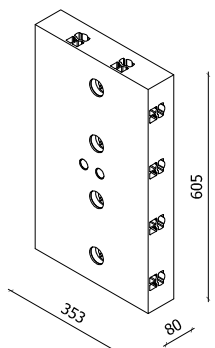
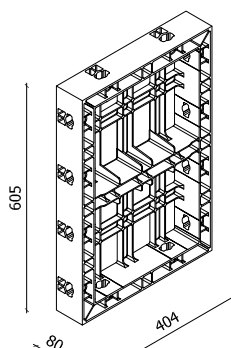
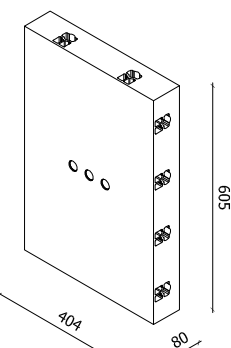
BACK VIEW / VISTA POSTERIORE

FRONT VIEW / VISTA ANTERIORE

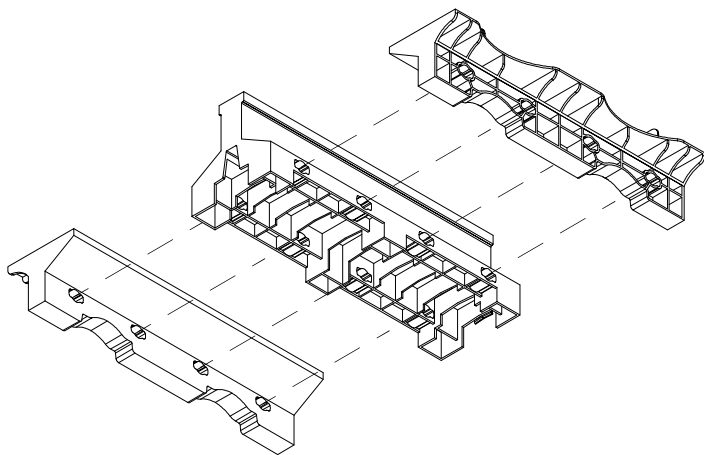


GEOPANEL WP 18		GEOPANEL WP 21		GEOPANEL WP 27	
					
BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE	BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE	BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE

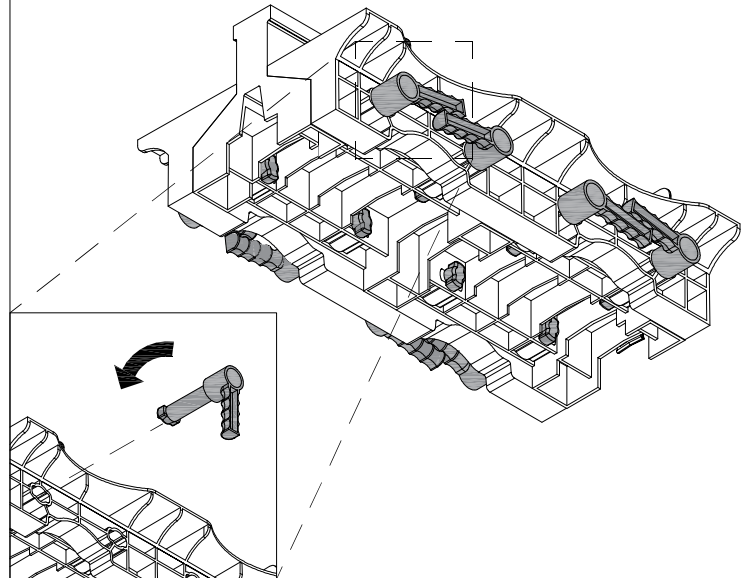
COMPENSATIONS - COMPENSAZIONI

GEOPANEL 20X60		GEOPANEL 25X60		GEOPANEL 30X60	
					
BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE	BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE	BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE
GEOPANEL 35X60		GEOPANEL 40X60			
					
BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE	BACK VIEW VISTA POSTERIORE	FRONT VIEW VISTA ANTERIORE		

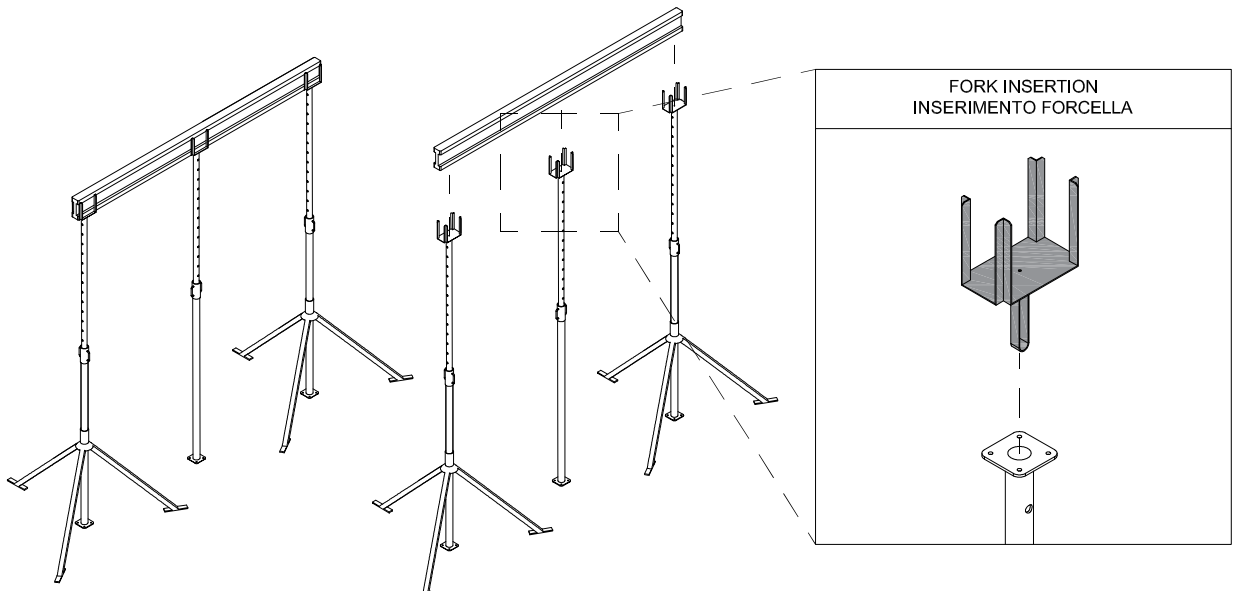
1. Y BEAM AND WEDGE ASSEMBLING
ASSEMBLAGGIO TRAVETTO Y E CUNEO



2. BEAMS FIXING WITH HANDLES
FISSAGGIO TRAVETTI CON MANIGLIE

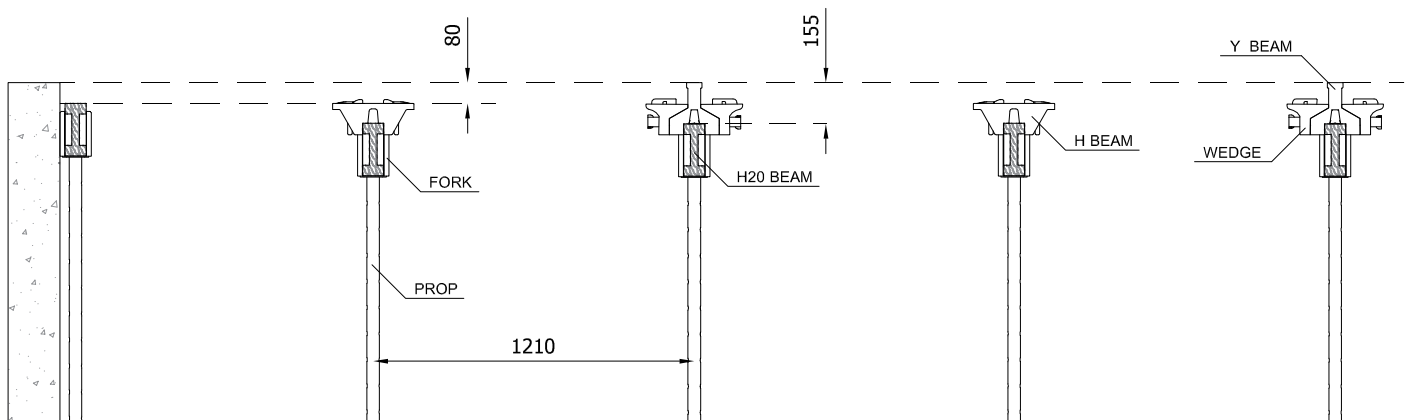


3. PROPS AND H20 BEAM INSTALLATION
INSTALLAZIONE PUNTELLI E TRAVE H20

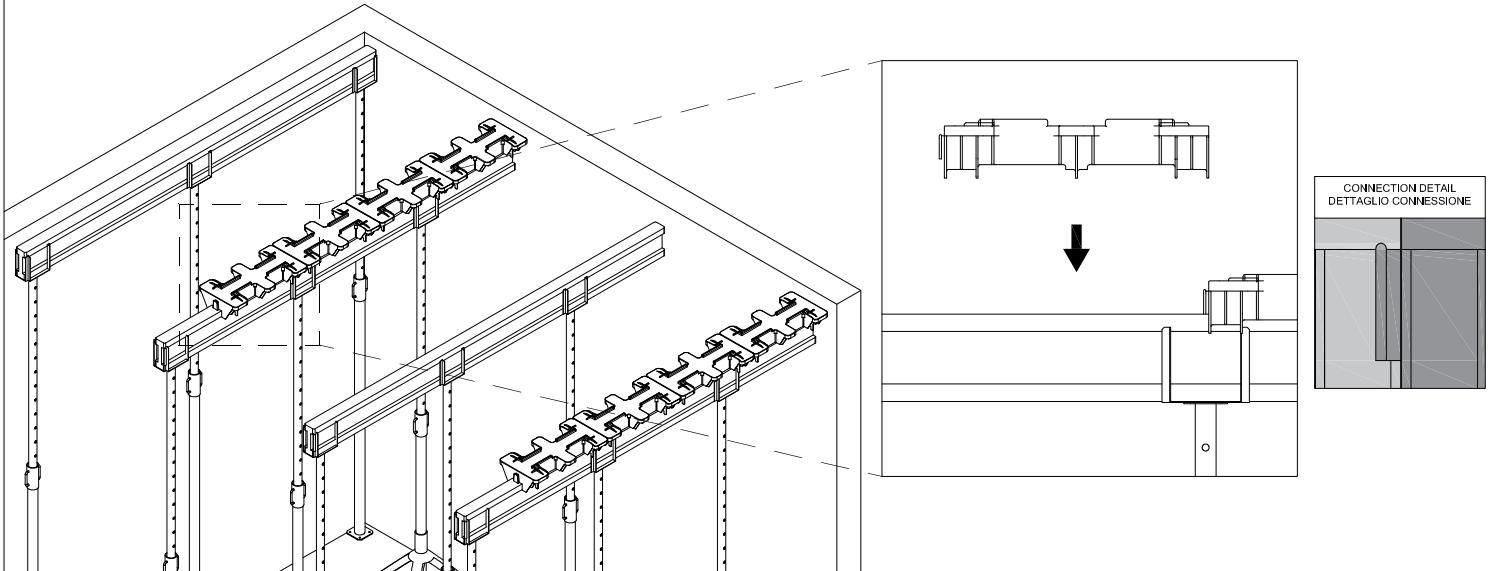


GENERAL BEAMS DISPOSITION
DISPOSIZIONE GENERALE DELLE TRAVI

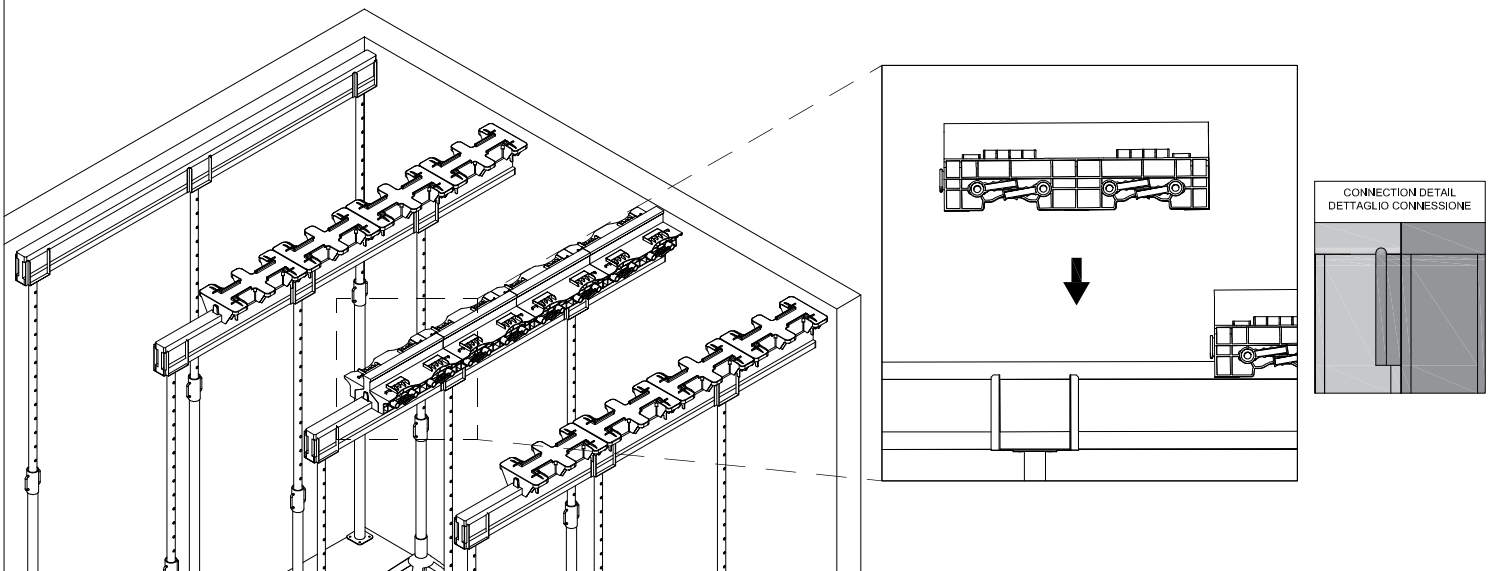
FRONT VIEW



4. H BEAMS INSTALLATION
 INSTALLAZIONE TRAVETTI H

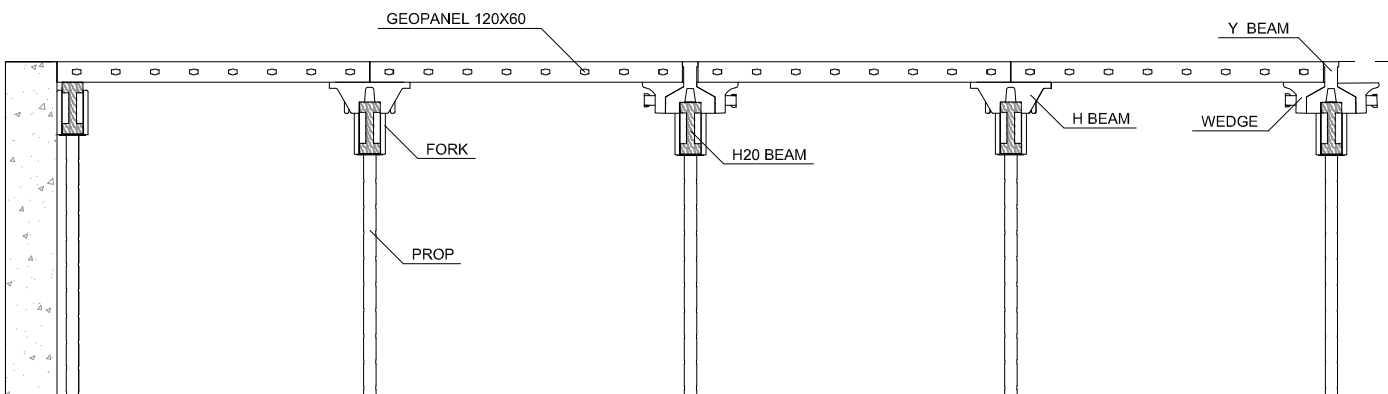


5. Y BEAMS AND WEDGES INSTALLATION
 INSTALLAZIONE TRAVETTI Y E CUNEI

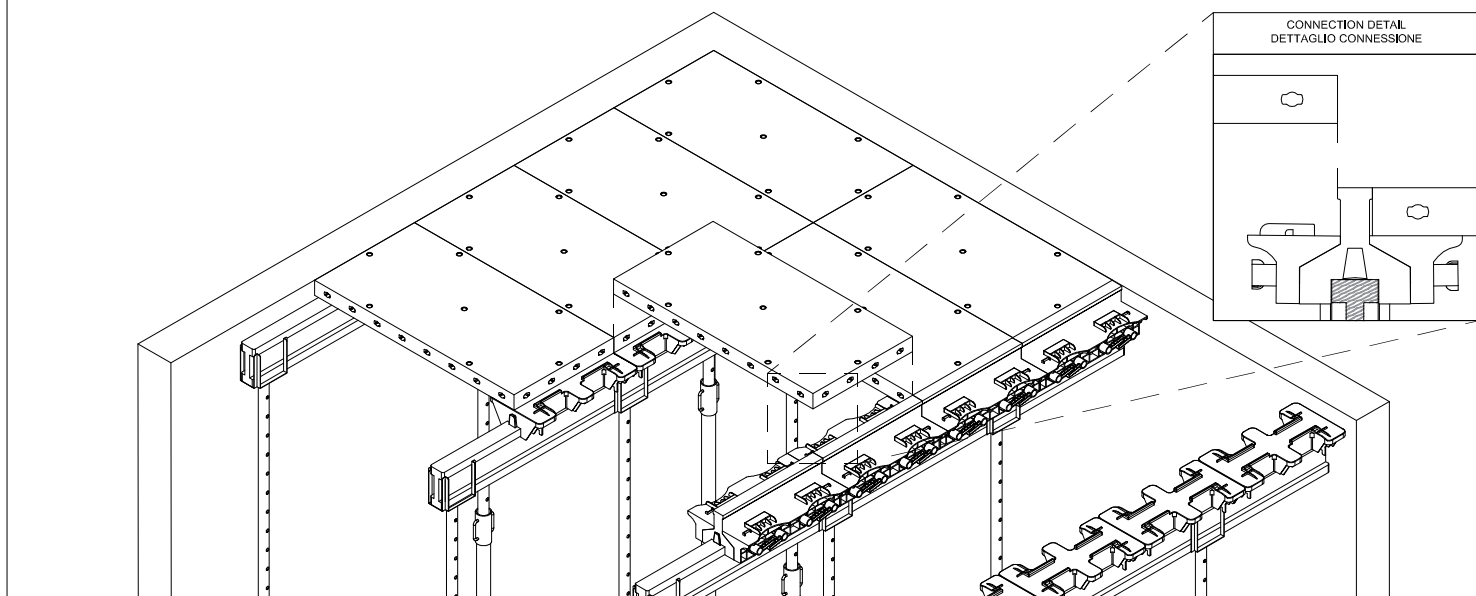


GENERAL PANELS DISPOSITION
 DISPOSIZIONE GENERALE DEI PANNELLI

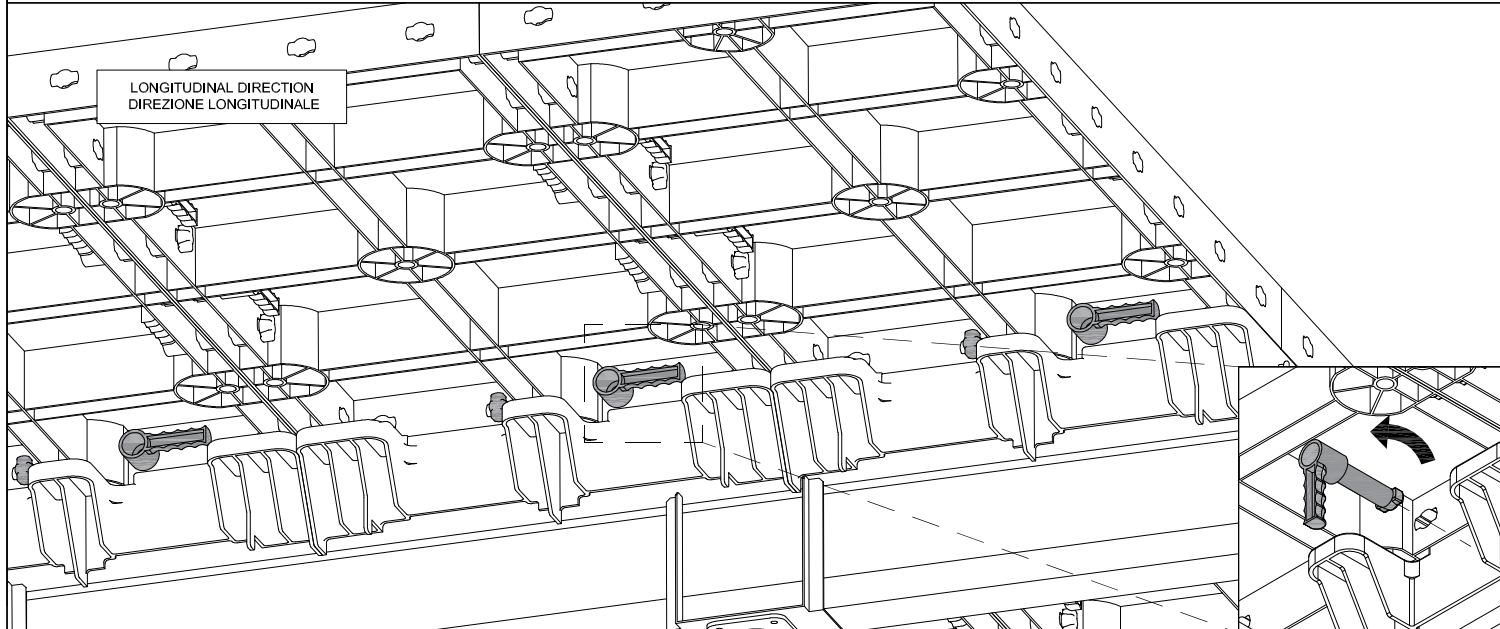
FRONT VIEW



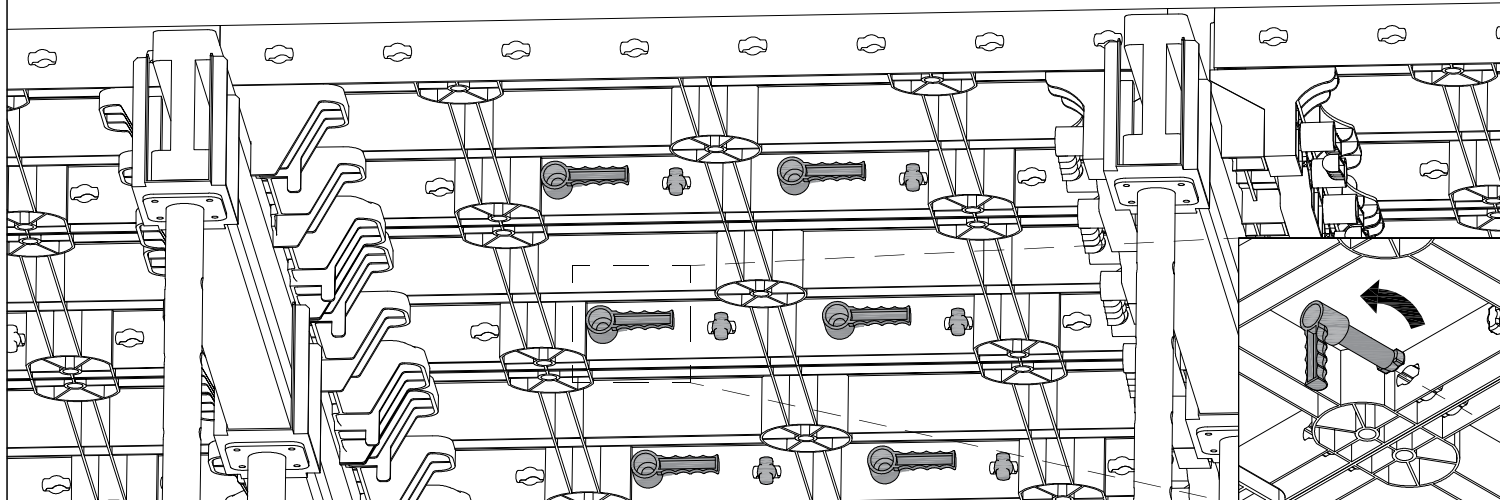
6. GEOPANEL 120X60 INSTALLATION
INSTALLAZIONE GEOPANEL 120X60



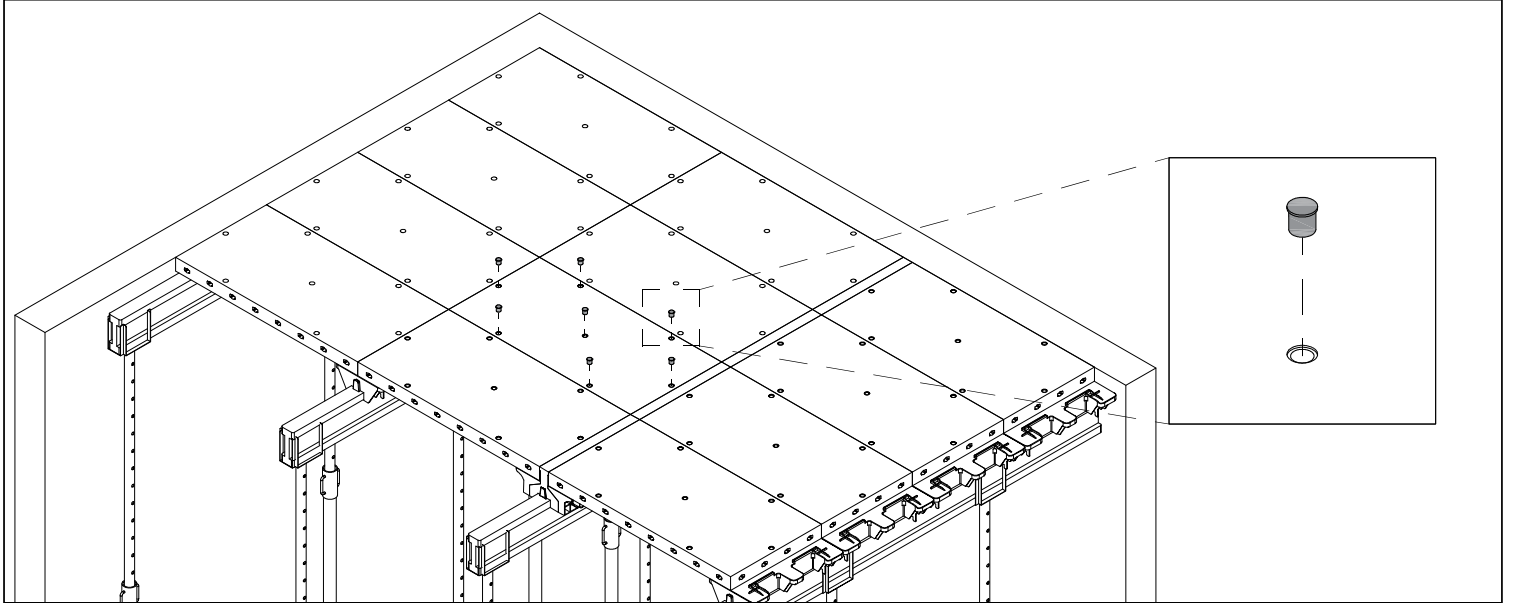
7. PANELS FIXING WITH HANDLES
FISSAGGIO PANNELLI CON MANIGLIE



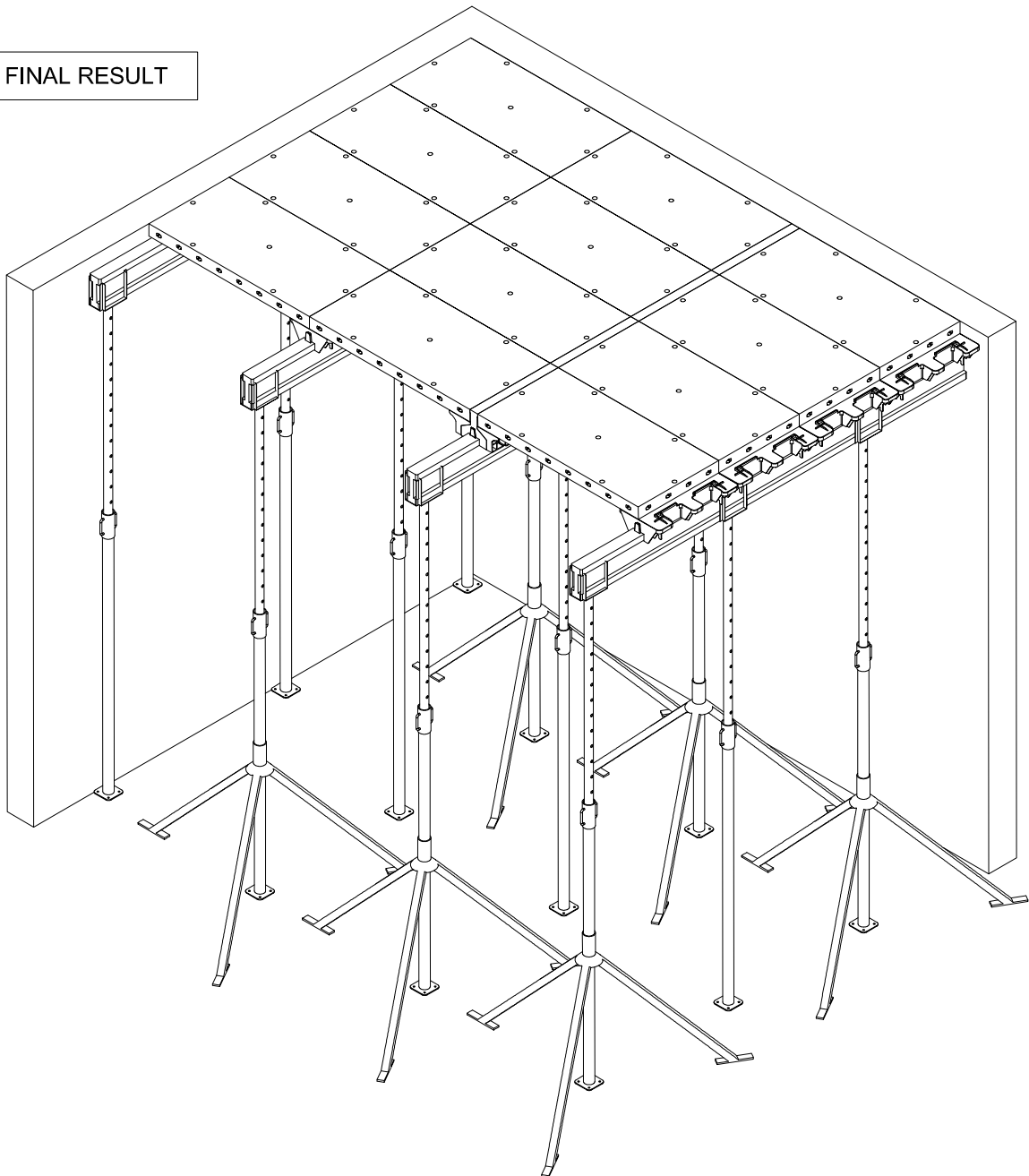
TRANSVERSAL DIRECTION
DIREZIONE TRASVERSALE



8. CAPS Ø 25mm INSTALLATION ON GEOPANEL 120X60
 INSTALLAZIONE TAPPI Ø 25mm NEI GEOPANEL 120X60

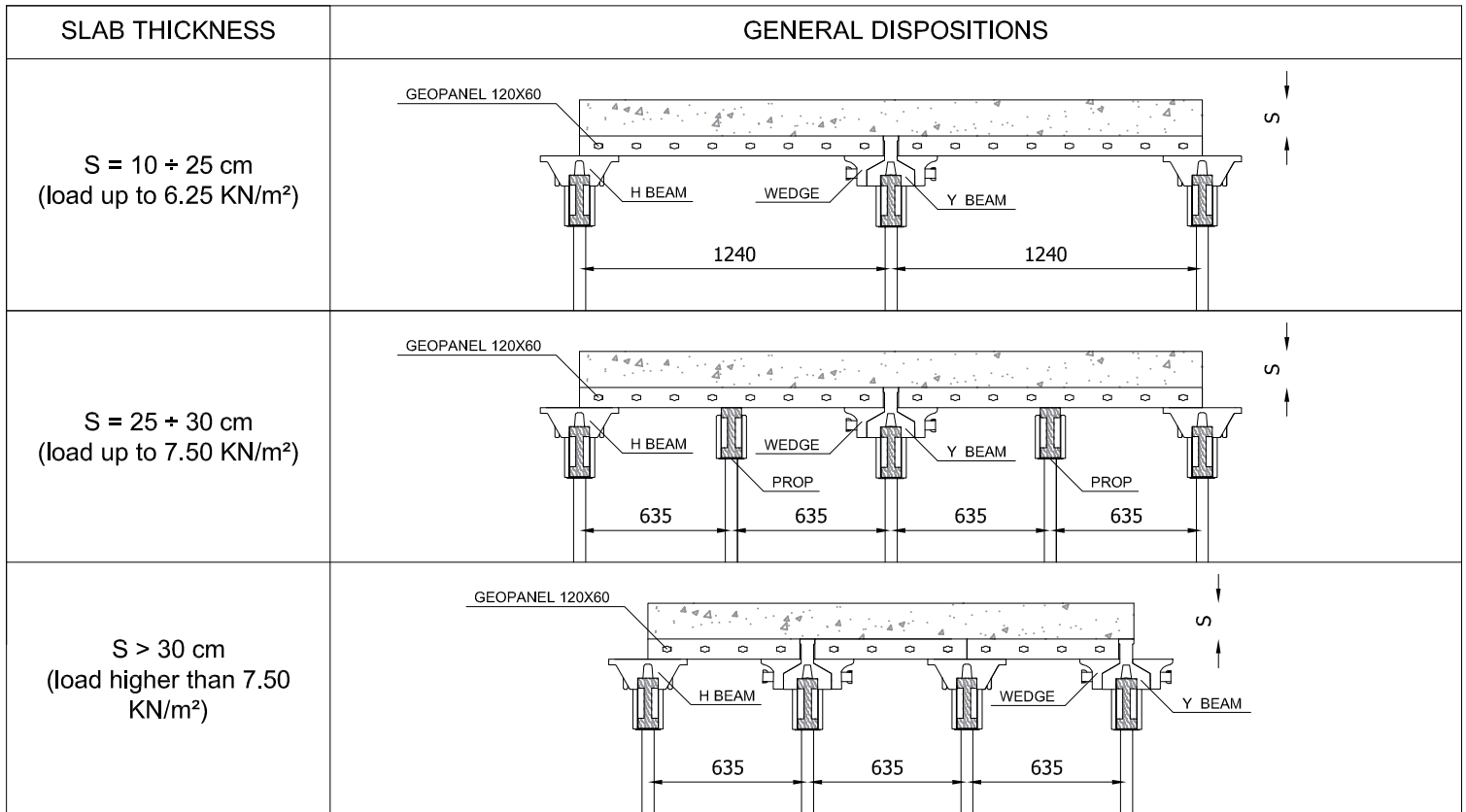


FINAL RESULT



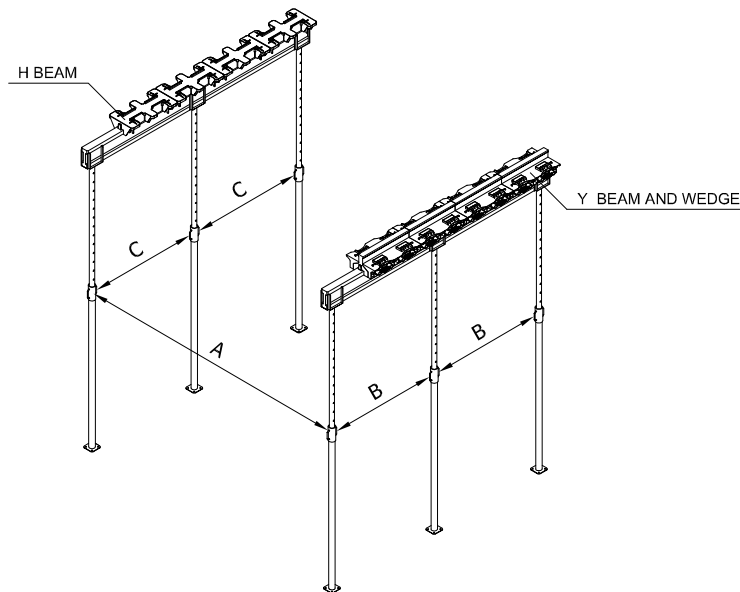
PANELS DISPOSITION

DISPOSIZIONE PANNELLI



PROPS DISPOSITION

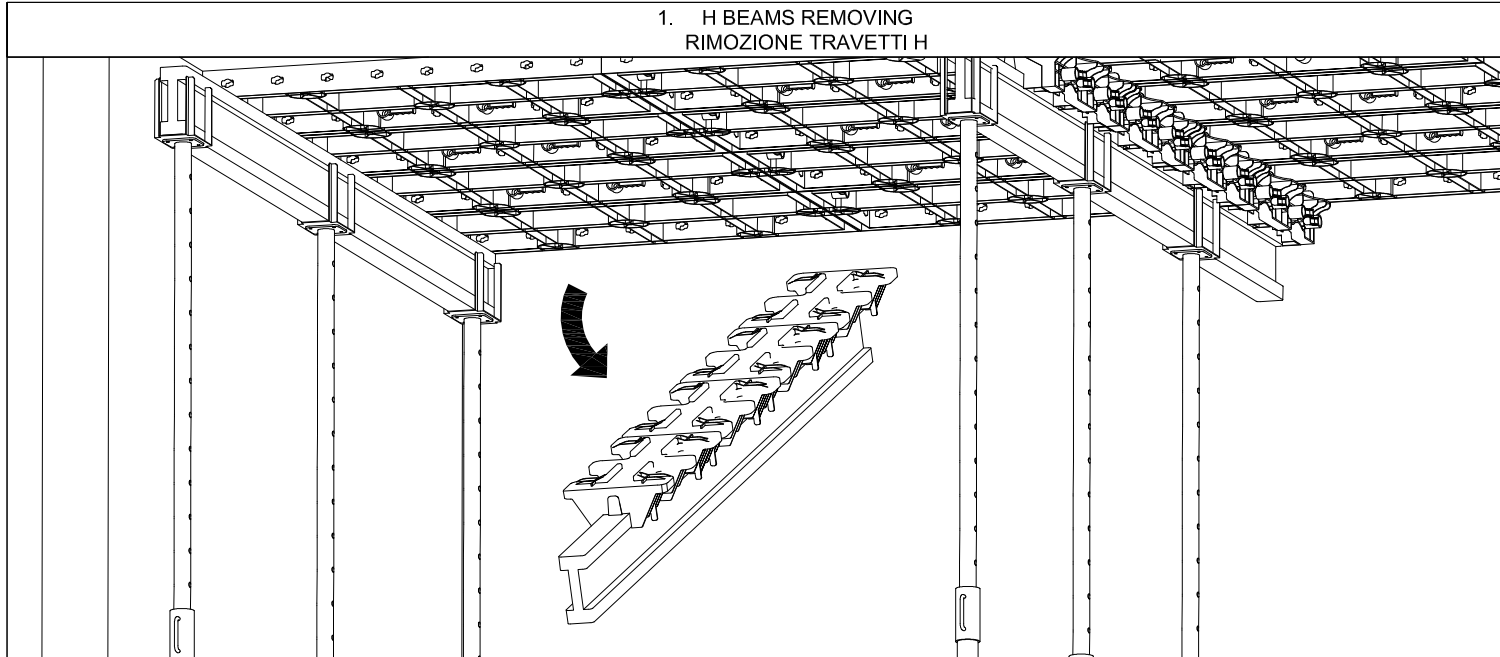
DISPOSIZIONE PUNTELLI



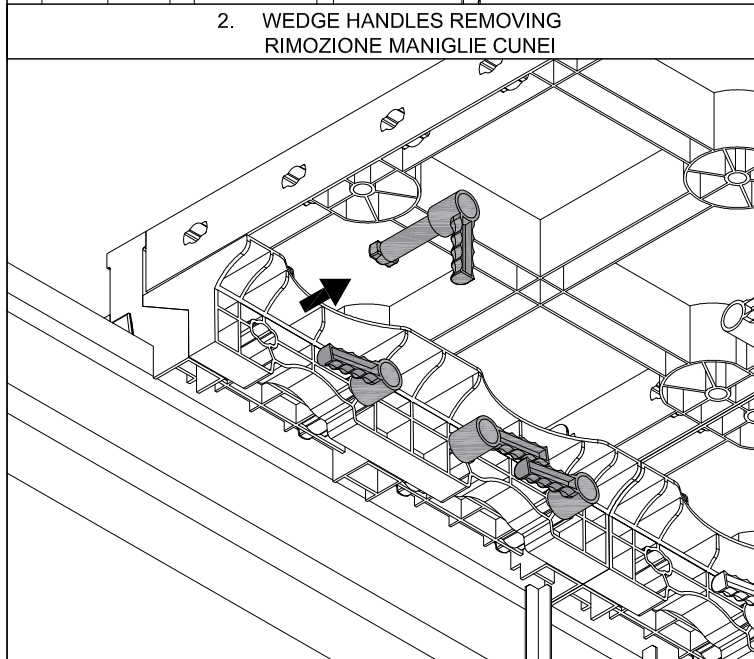
SLAB THICKNESS	S = 10 cm	S = 15 cm	S = 20 cm	S = 25* cm	S = 30 cm	S = 35 cm	S = 40 cm
A (cm)	124	124	124	124	63.5	63.5	63.5
B (cm)	200	160	140	130	180	160	140
C (cm)	180	180	180	220	180	180	160

* Installation of props with interaxis equals to 220 cm

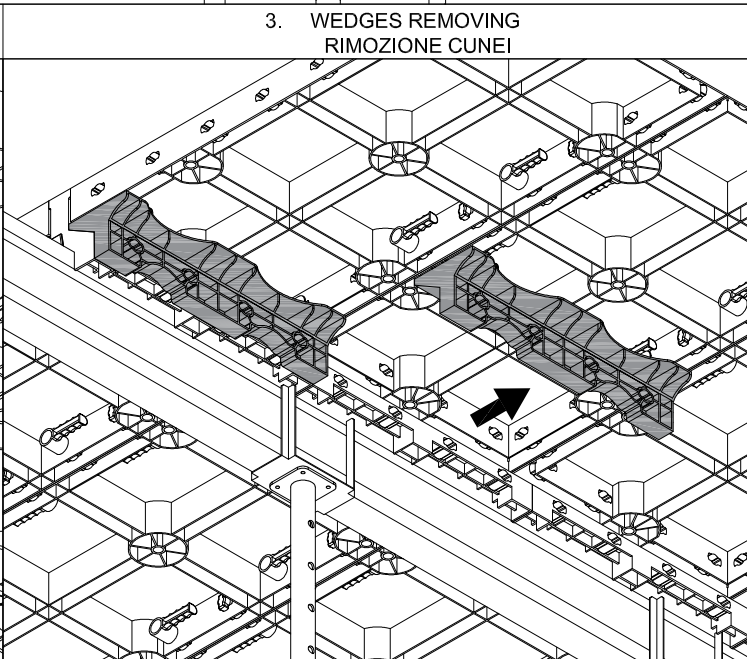
1. H BEAMS REMOVING
RIMOZIONE TRAVETTI H



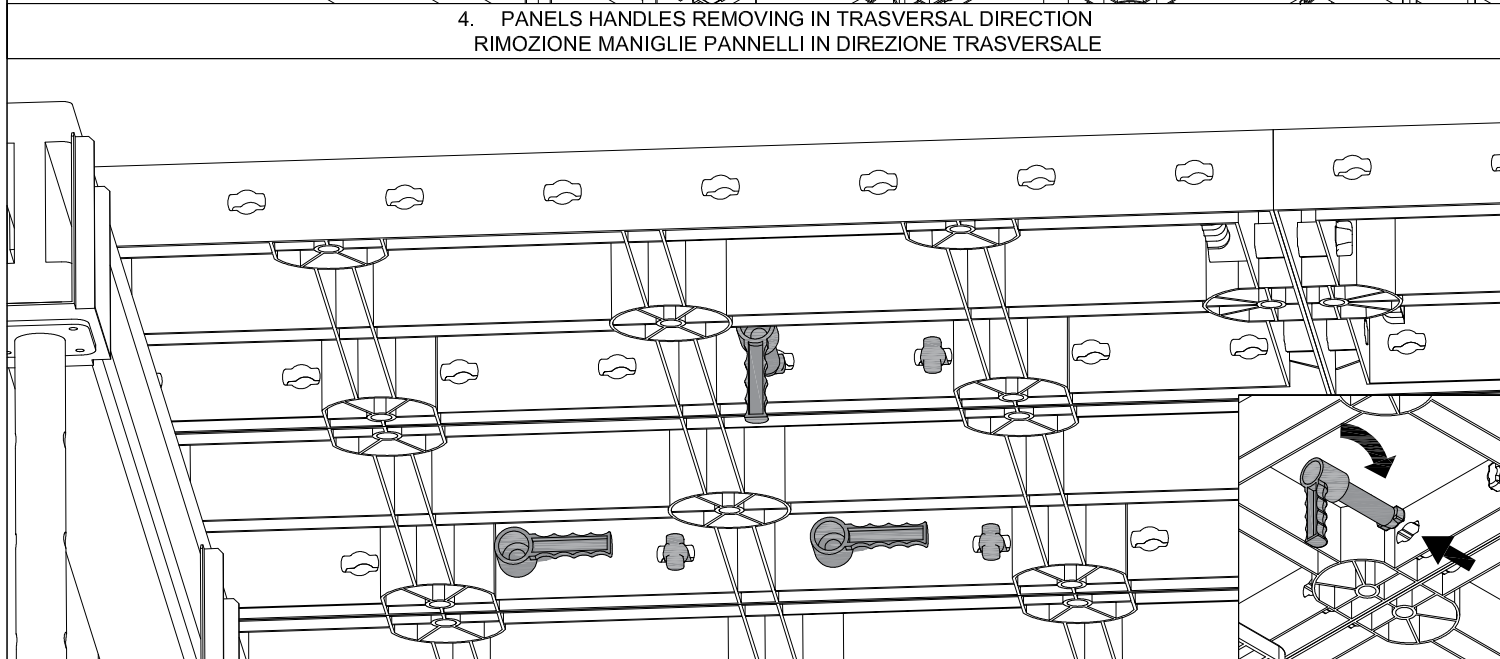
2. WEDGE HANDLES REMOVING
RIMOZIONE MANIGLIE CUNEI



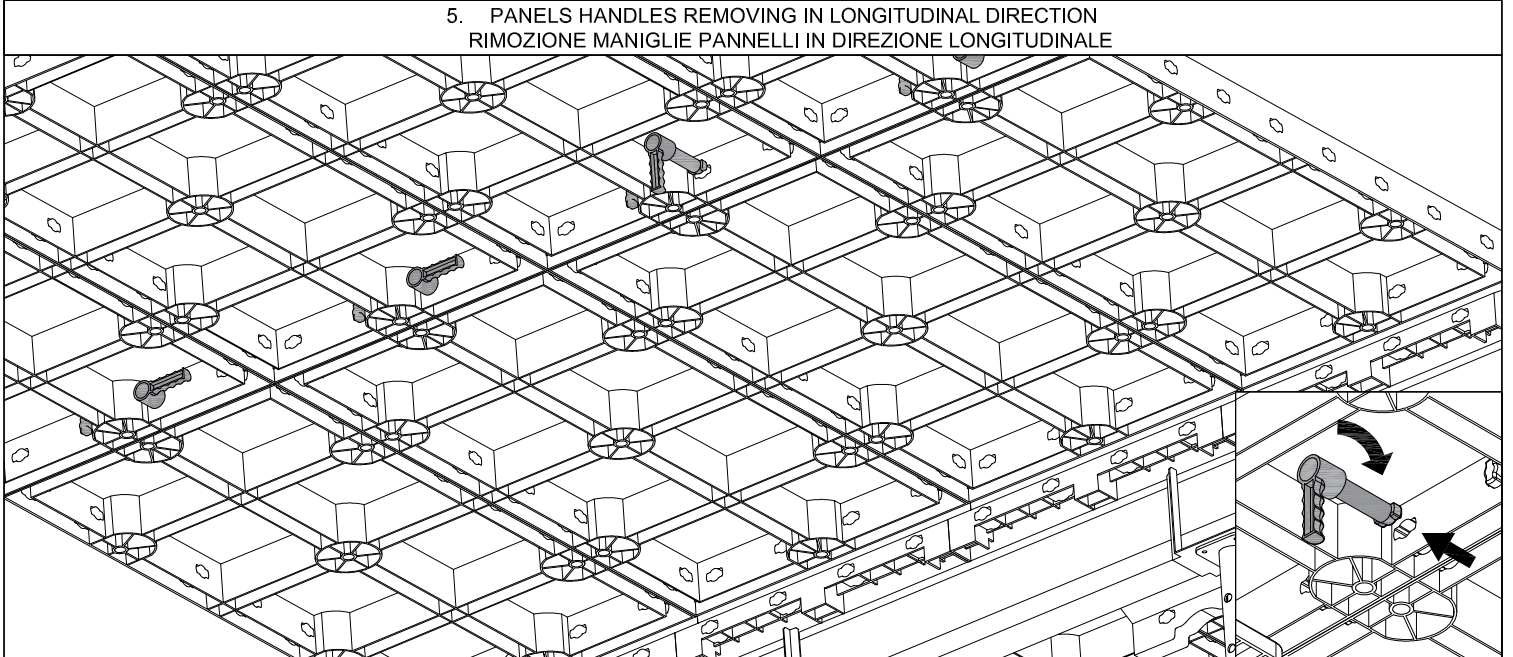
3. WEDGES REMOVING
RIMOZIONE CUNEI



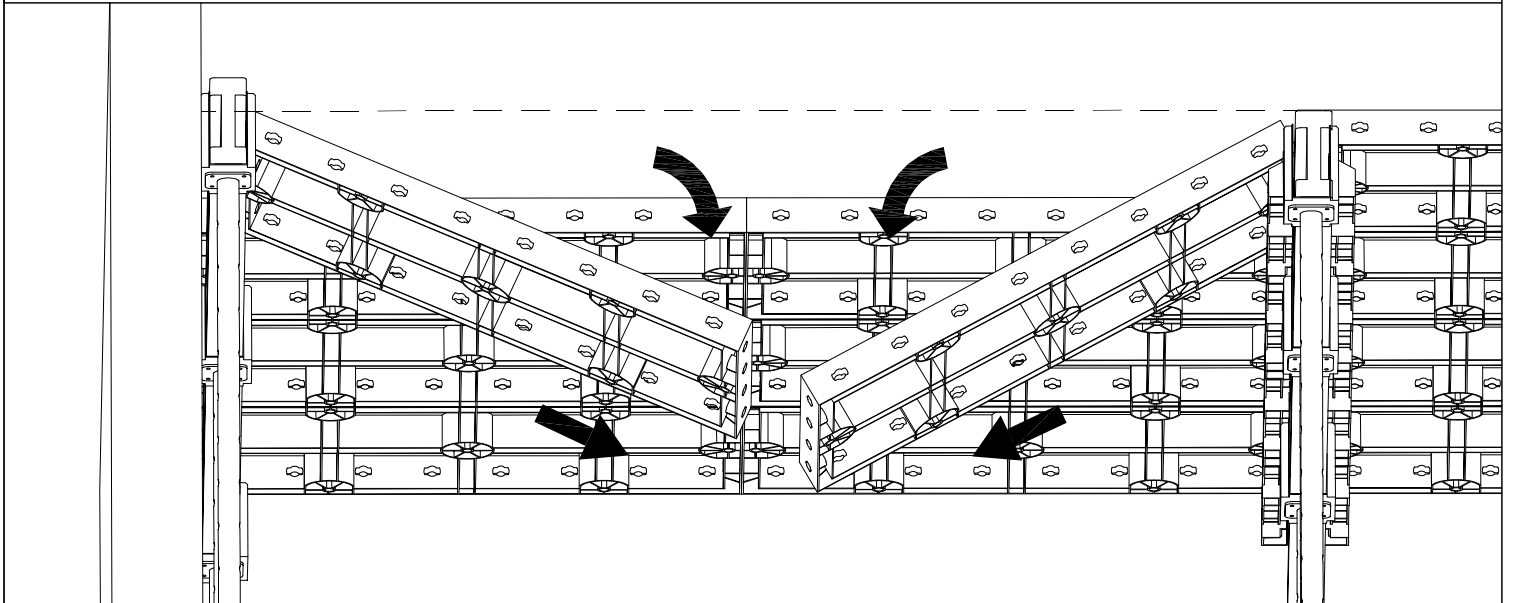
4. PANELS HANDLES REMOVING IN TRASVERSAL DIRECTION
RIMOZIONE MANIGLIE PANNELLI IN DIREZIONE TRASVERSALE



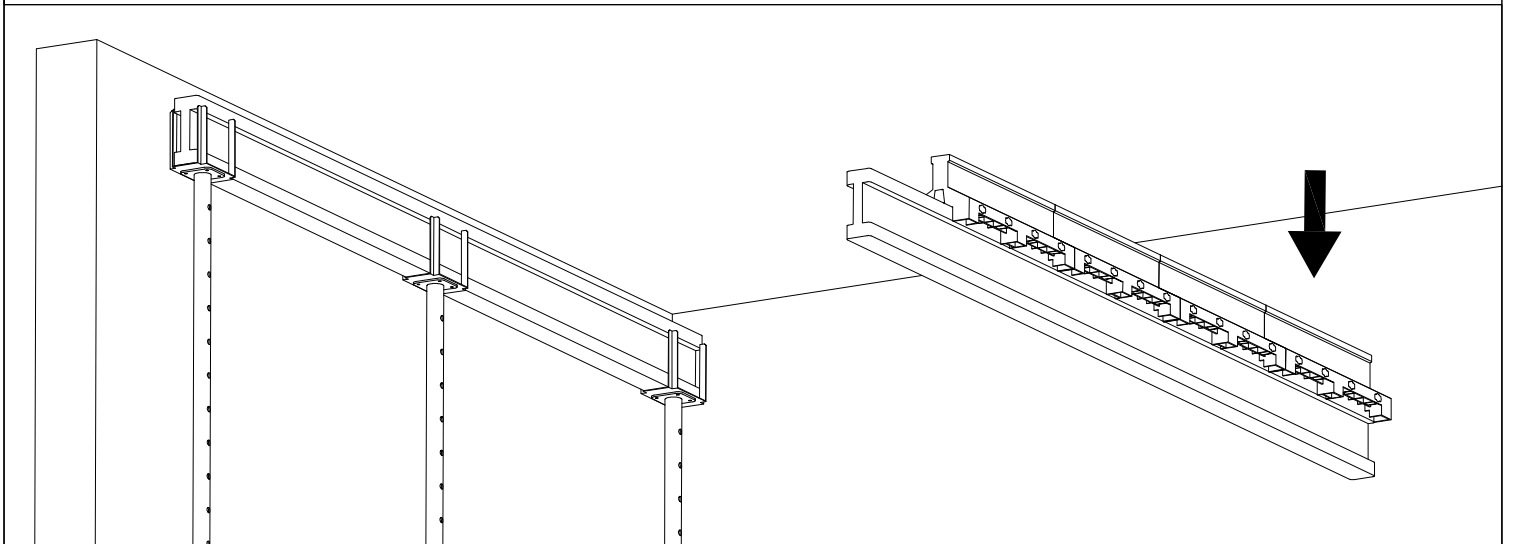
5. PANELS HANDLES REMOVING IN LONGITUDINAL DIRECTION
RIMOZIONE MANIGLIE PANNELLI IN DIREZIONE LONGITUDINALE



6. GEOPANEL 120X60 REMOVING
RIMOZIONE GEOPANEL 120X60



7. Y BEAMS REMOVING
RIMOZIONE TRAVETTI Y

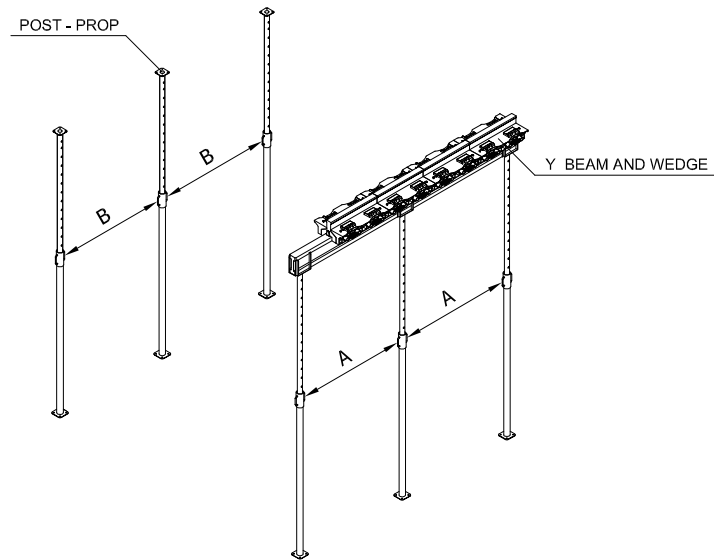


WARNING: THIS OPERATION MUST BE DONE WHEN THE CONCRETE CURING PHASE IS COMPLETED
ATTENZIONE: QUESTA OPERAZIONE DEVE ESSERE FATTA QUANDO LA FASE DI MATURAZIONE DEL CALCESTRUZZO E' COMPLETATA

DISMANTLING TIME		
TEMPERATURE	H BEAMS AND PANELS	Y BEAMS
20 °C	5 DAYS	28 DAYS

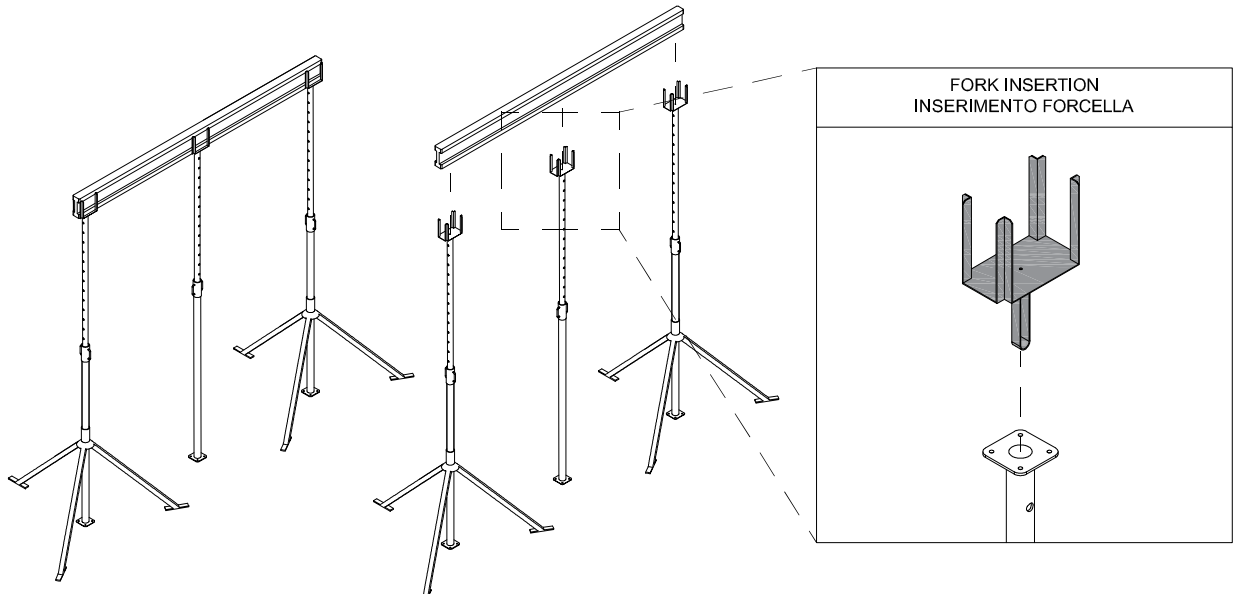
POST-PROPPING REQUIREMENTS

PRESCRIZIONI POST-PUNTELLAZIONE



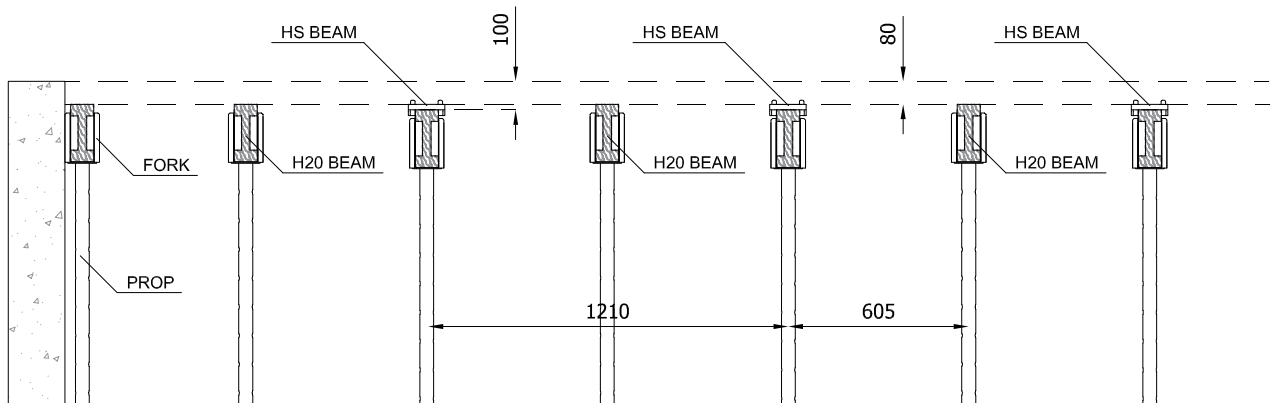
SLAB THICKNESS	S = 10 cm	S = 15 cm	S = 20 cm	S = 25 cm	S = 30 cm	S = 35 cm	S = 40 cm
A (cm)	200	160	140	130	180	160	140
B (cm)	360	330	330	280	330	330	280

1. PROPS AND H20 BEAM INSTALLATION
 INSTALLAZIONE PUNTELLI E TRAVE H20

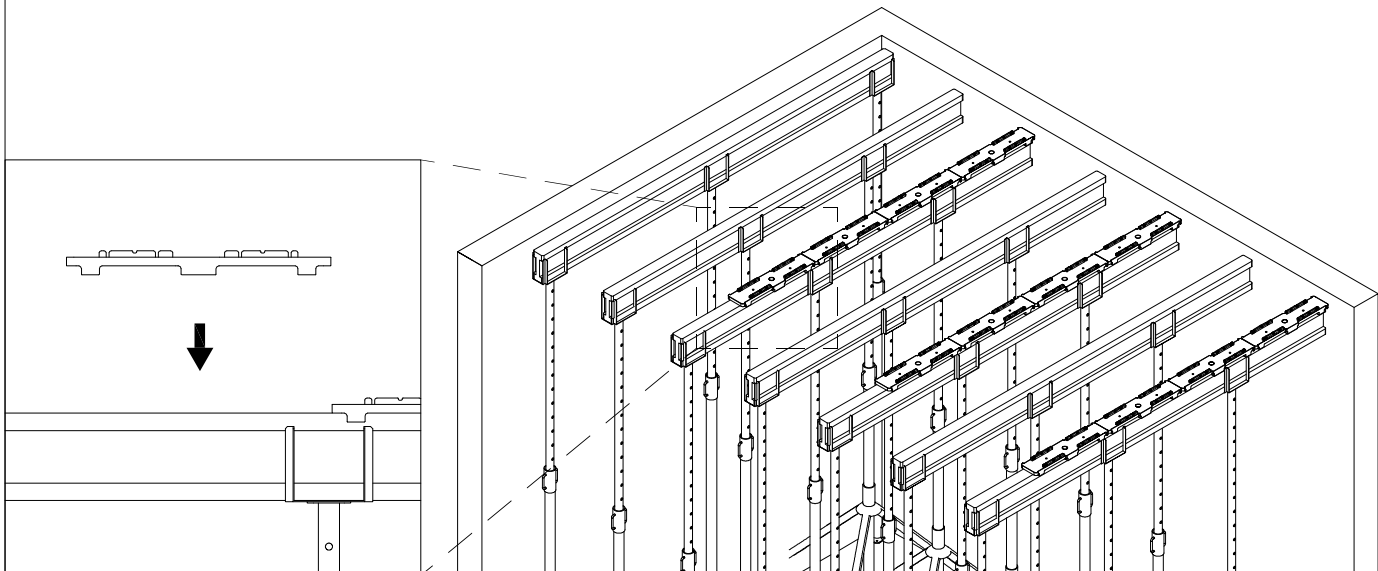


GENERAL BEAMS DISPOSITION
 DISPOSIZIONE GENERALE DELLE TRAVI

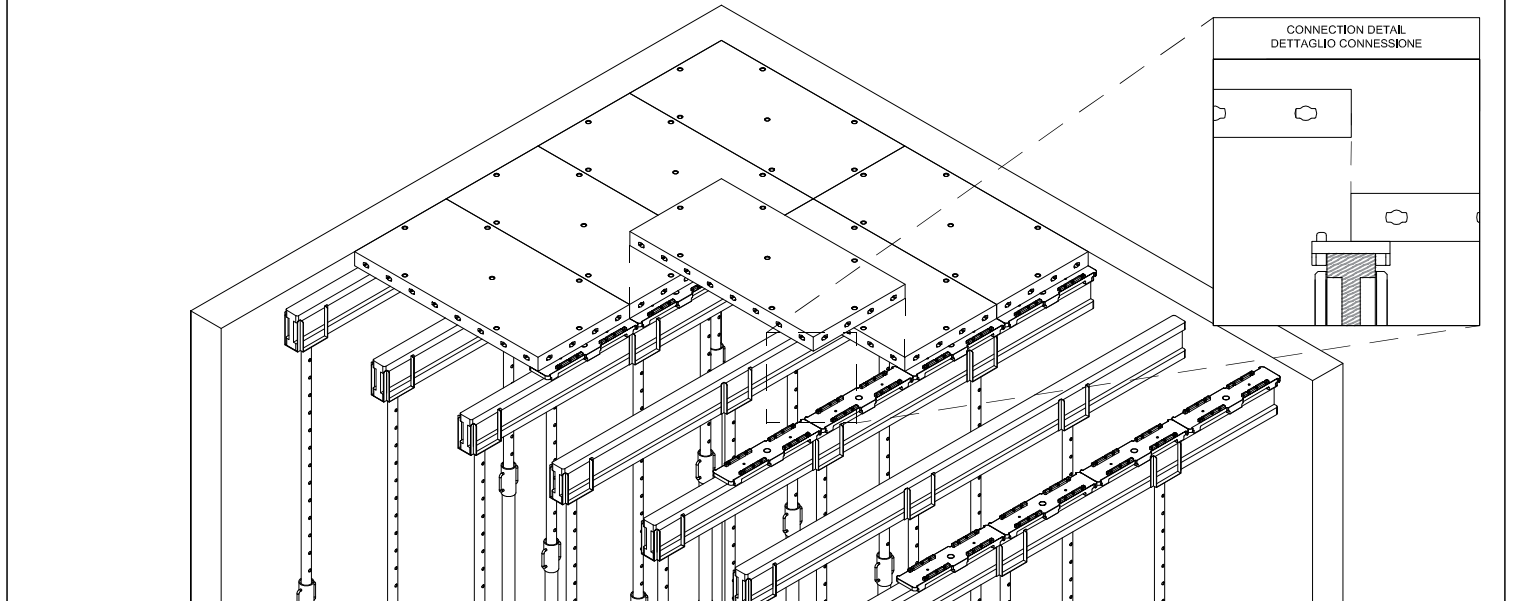
FRONT VIEW



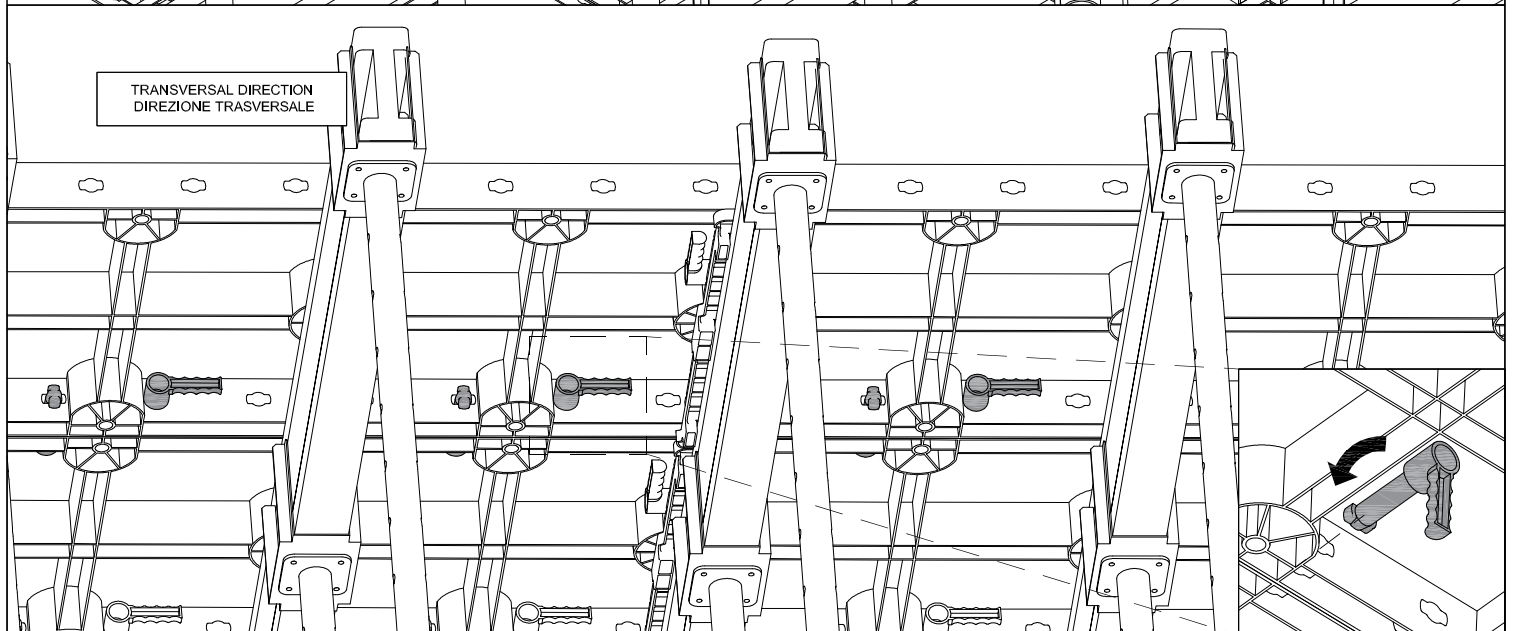
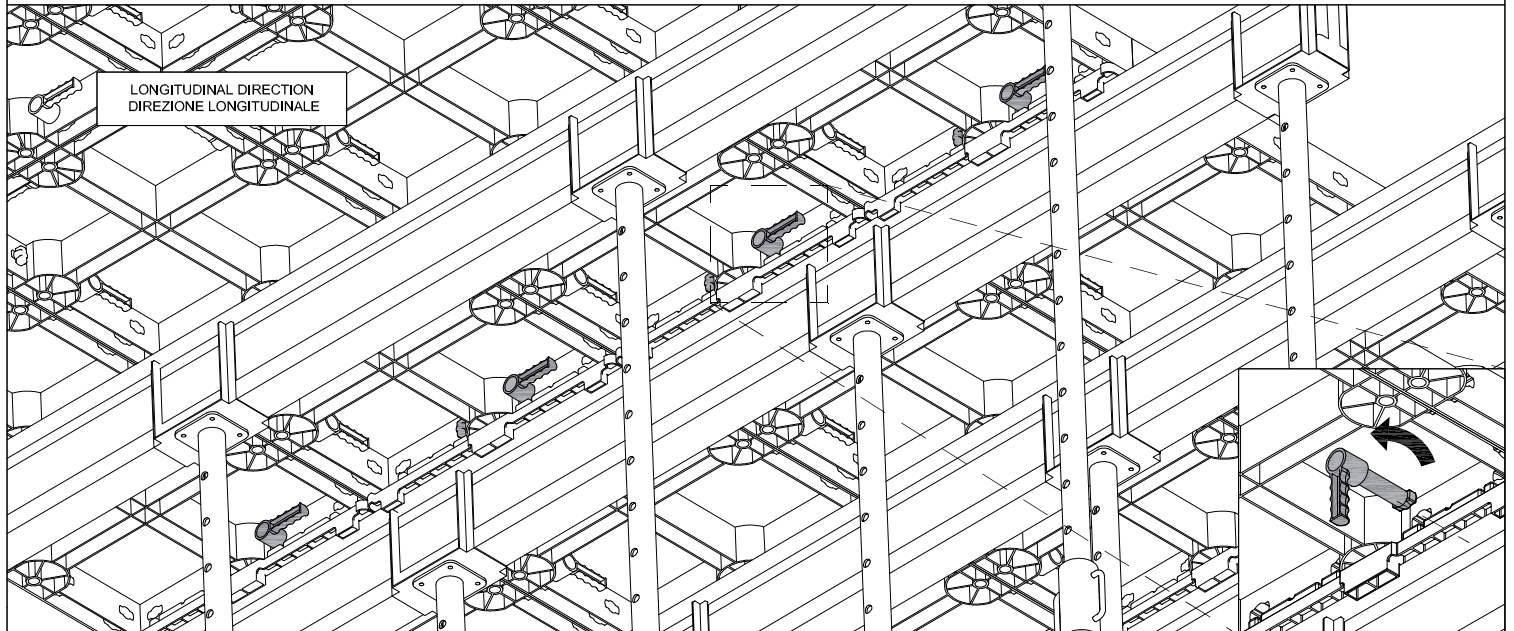
2. HS BEAMS INSTALLATION
 INSTALLAZIONE TRAVETTI HS



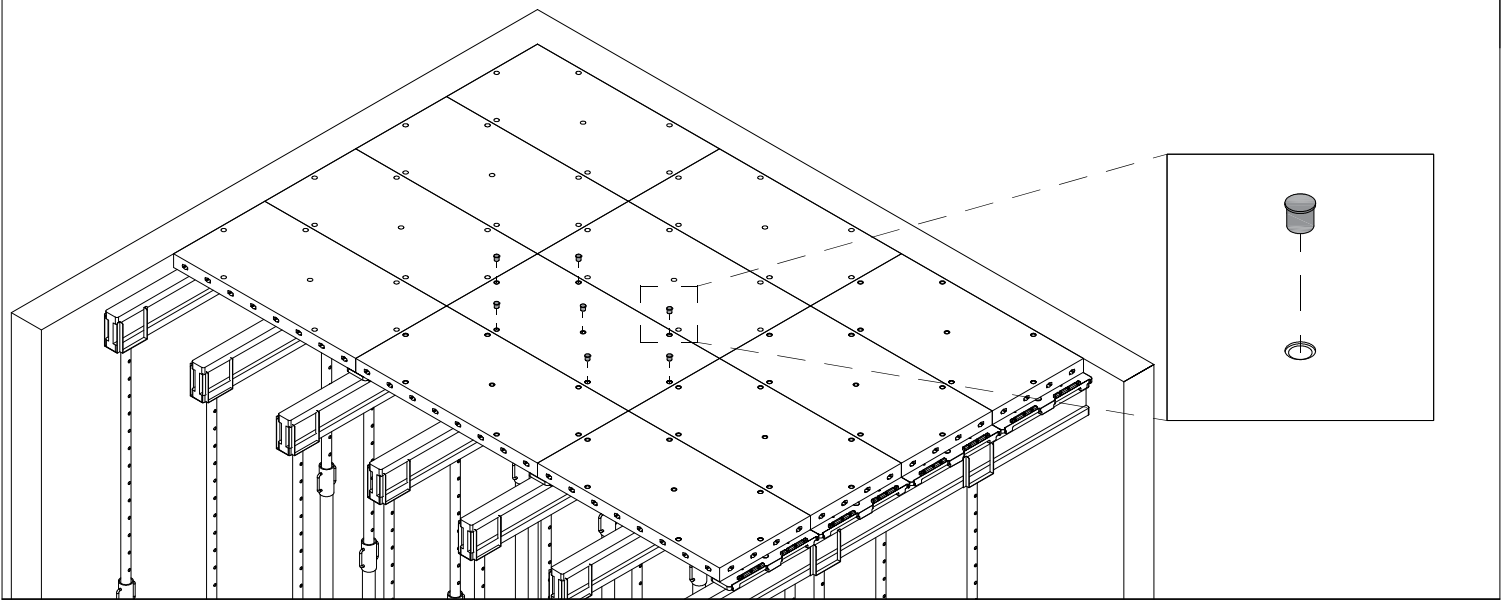
3. GEOPANEL 120X60 INSTALLATION
INSTALLAZIONE GEOPANEL 120X60



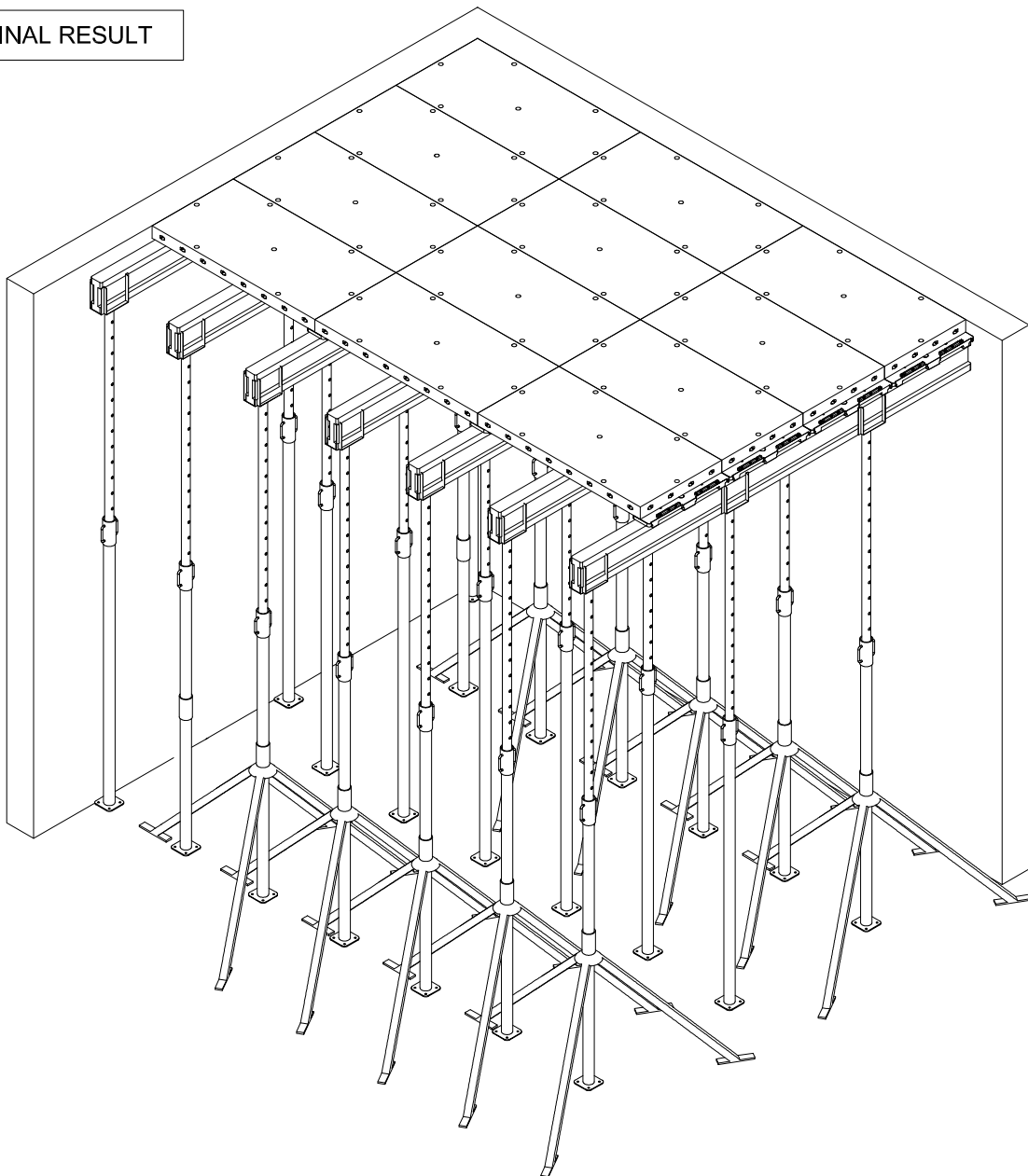
4. PANELS FIXING WITH HANDLES
FISSAGGIO PANNELLI CON MANIGLIE

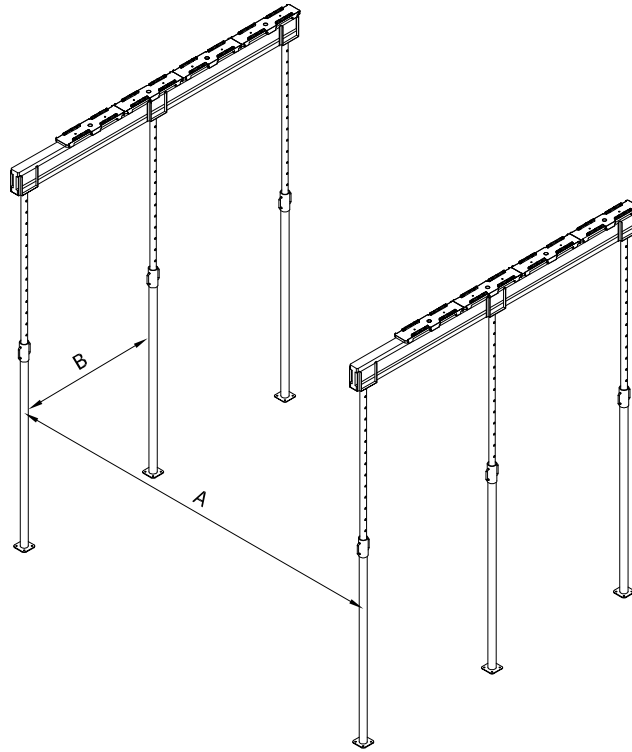


5. CAPS Ø 25mm INSTALLATION ON GEOPANEL 120X60
 INSTALLAZIONE TAPPI Ø 25mm NEI GEOPANEL 120X60



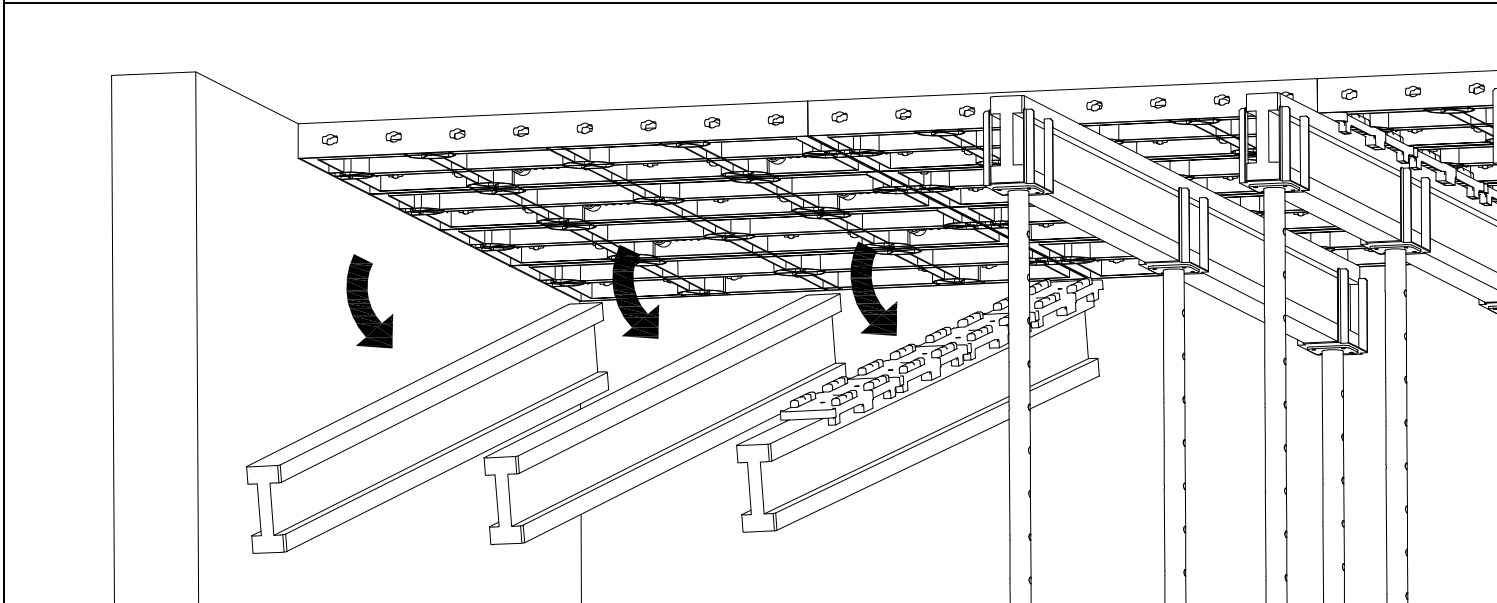
FINAL RESULT



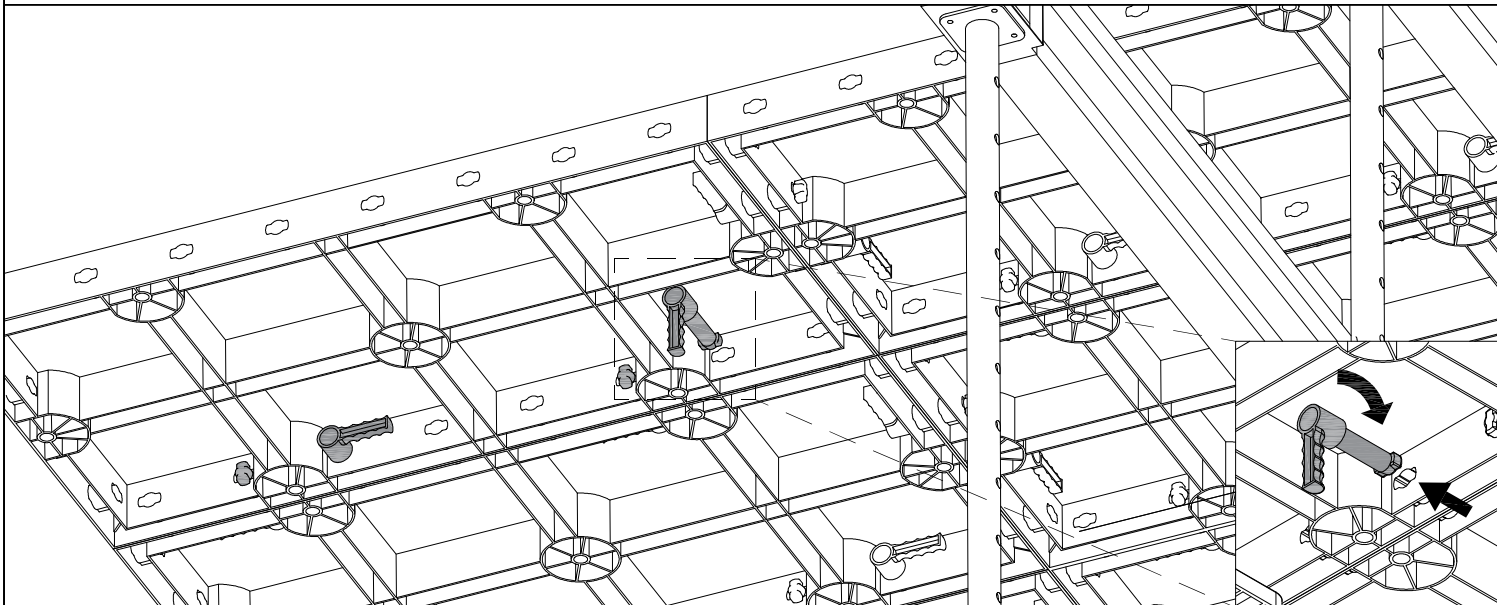


SLAB THICKNESS	S = 10 cm	S = 15 cm	S = 20 cm	S = 25 cm	S = 30 cm	S = 35 cm	S = 40 cm
A (cm)	60.5	60.5	60.5	60.5	60.5	60.5	60.5
B (cm)	360	330	270	240	210	190	170

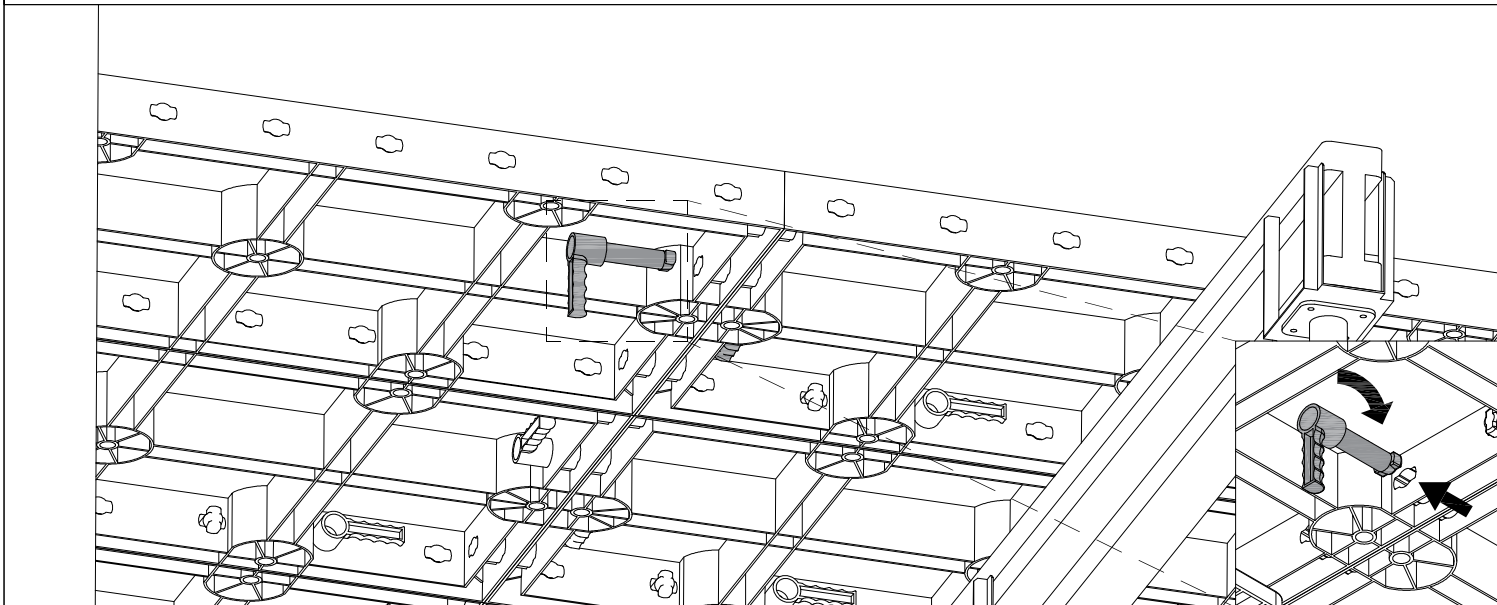
**1. EXTERNAL H20 AND HS BEAMS REMOVING
RIMOZIONE TRAVI H20 E HS ESTERNE**



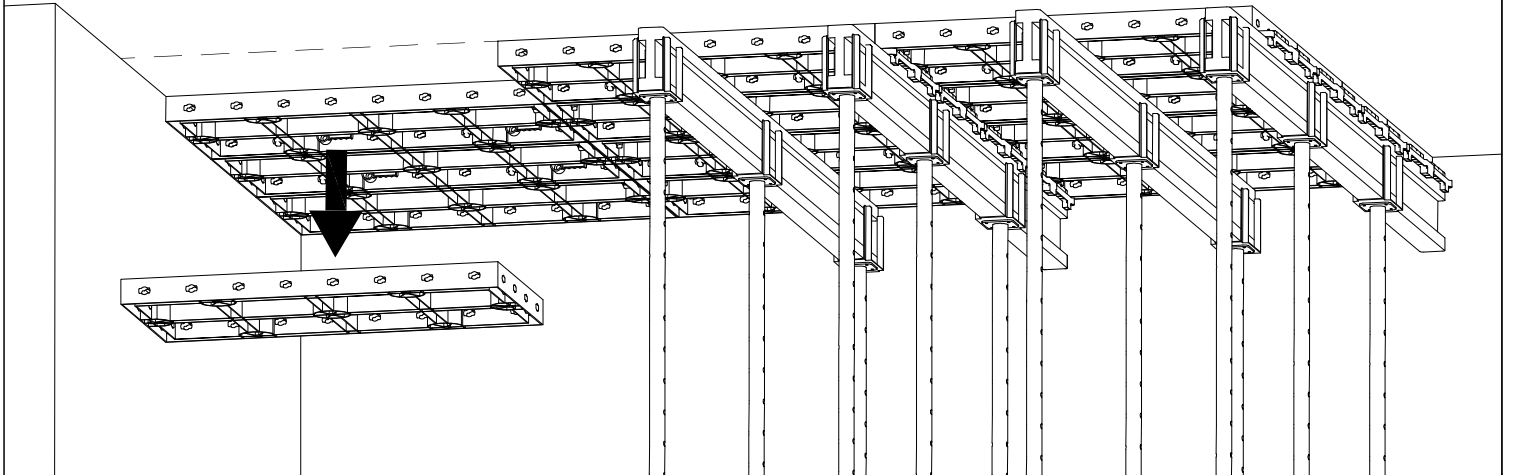
**2. PANELS HANDLES REMOVING IN TRASVERSAL DIRECTION
RIMOZIONE MANIGLIE PANNELLI IN DIREZIONE TRASVERSALE**



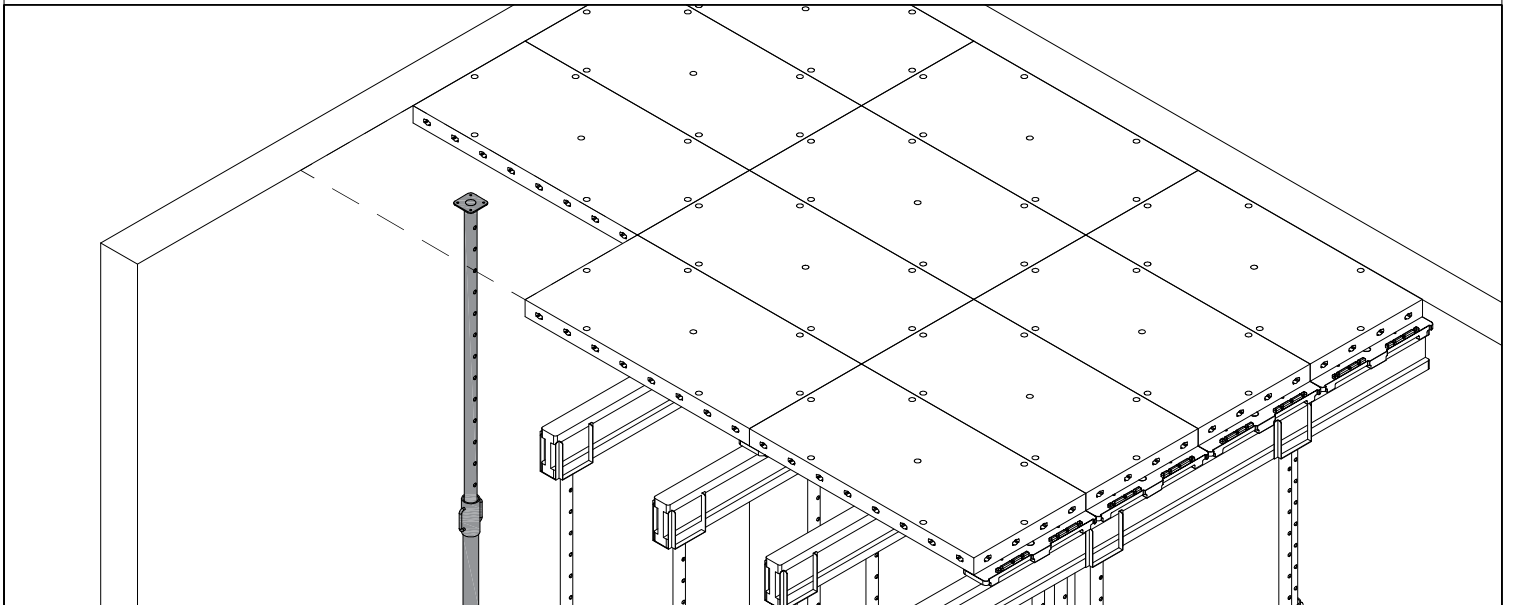
**3. PANELS HANDLES REMOVING IN LONGITUDINAL DIRECTION
RIMOZIONE MANIGLIE PANNELLI IN DIREZIONE LONGITUDINALE**



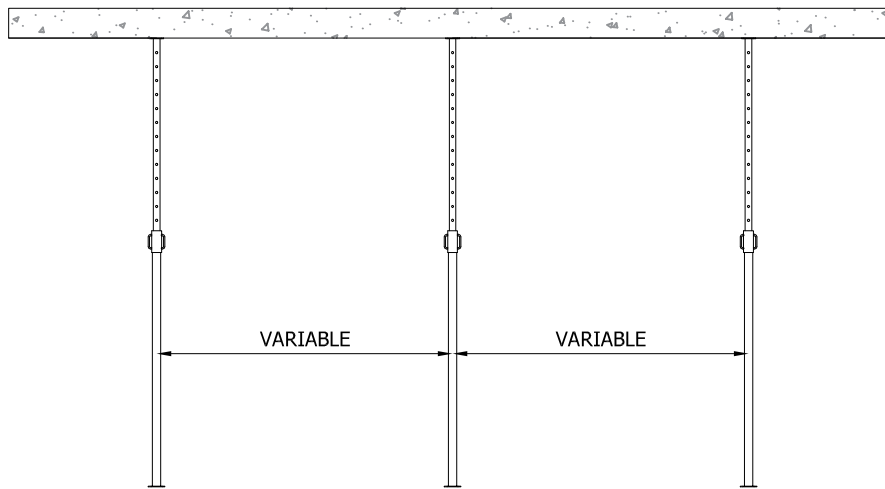
4. GEOPANEL 120X60 REMOVING
RIMOZIONE GEOPANEL 120X60



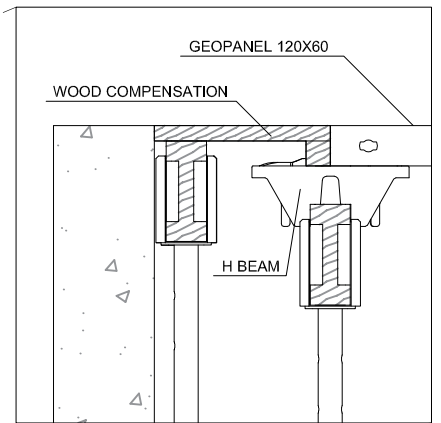
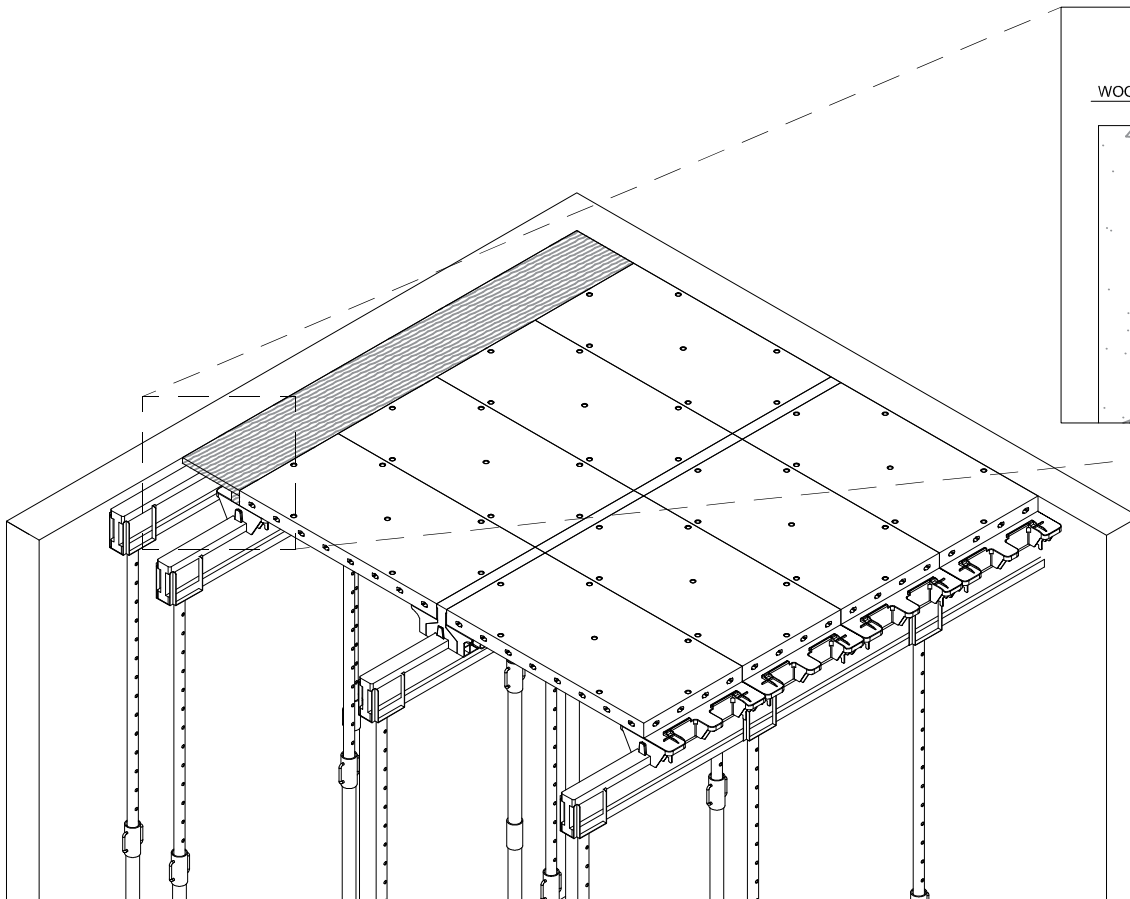
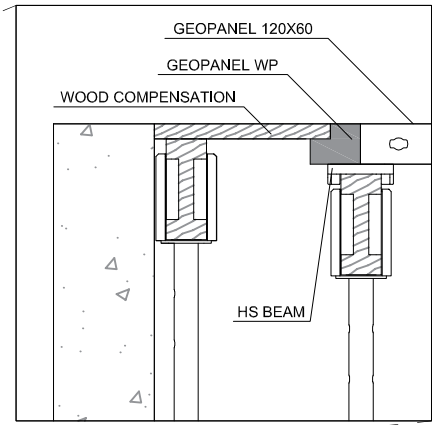
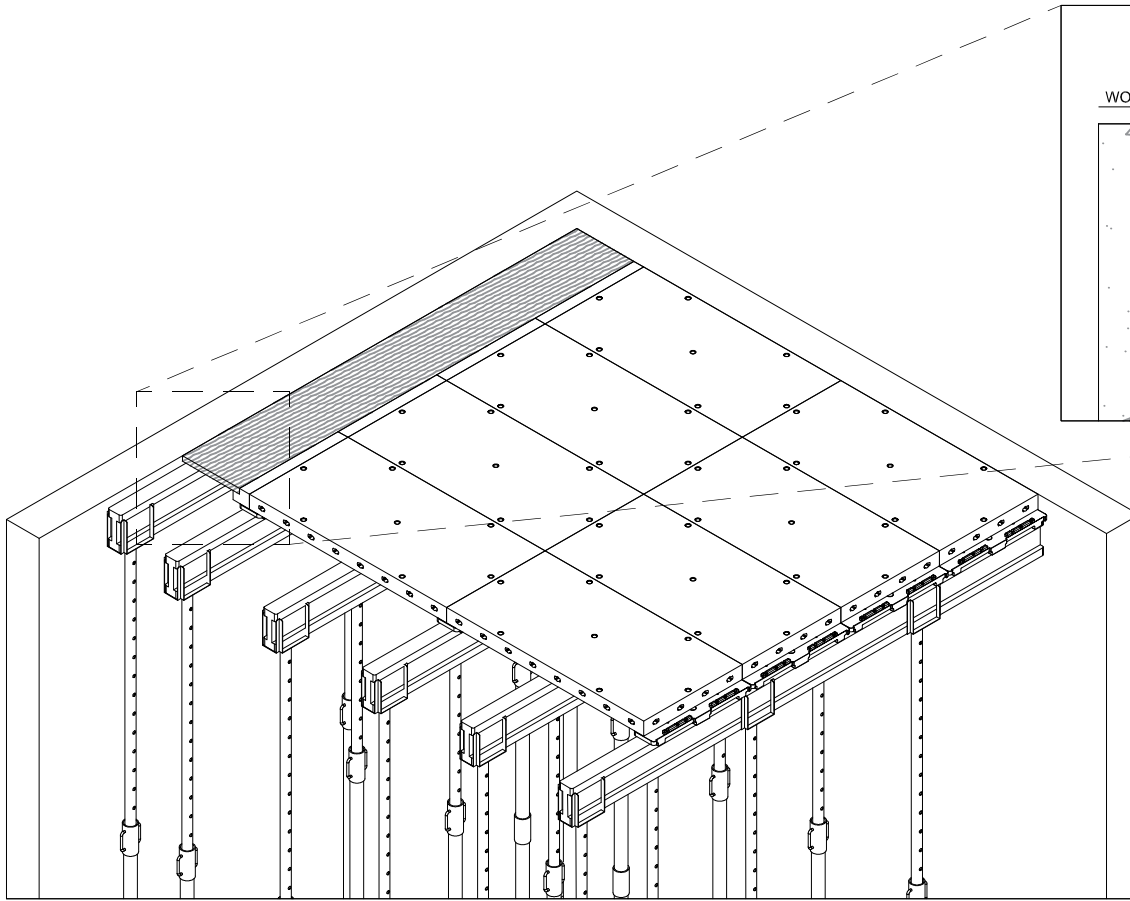
5. POST-PROPPING INSTALLATION
INSTALLAZIONE POST PUNTELLAZIONE



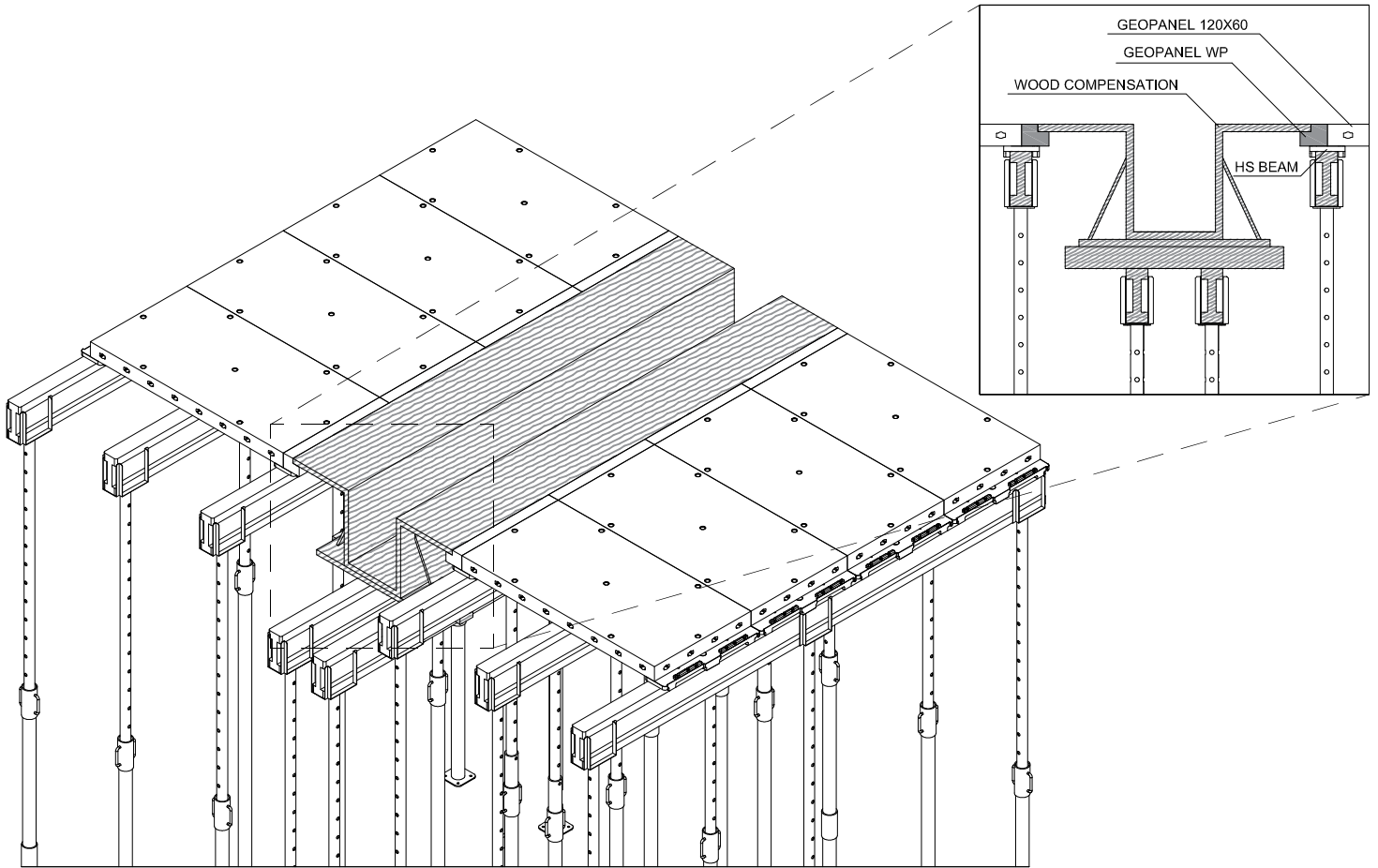
DISMANTLING TIME	
TEMPERATURE	HS BEAMS AND PANELS
20 °C	5 DAYS



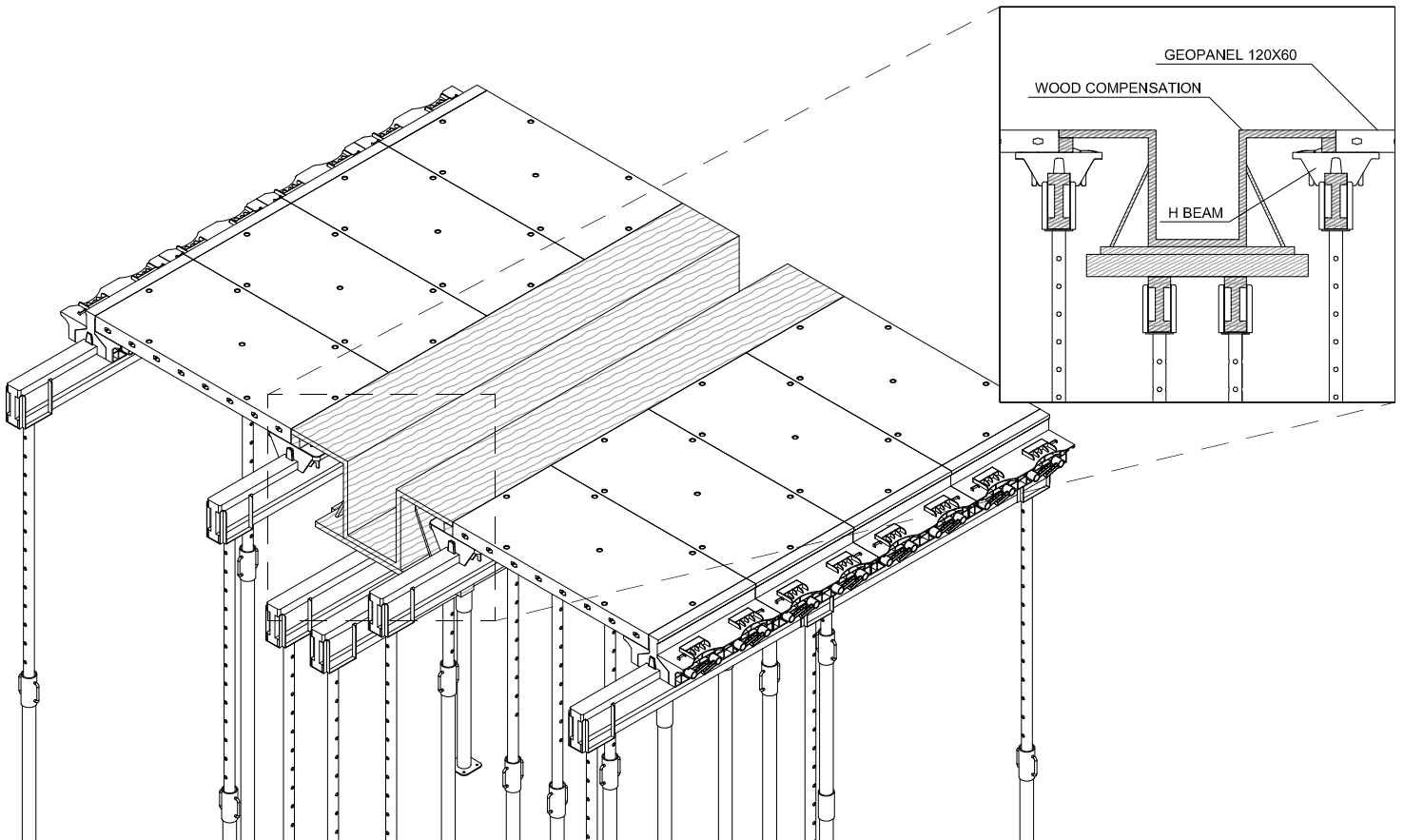
SLAB THICKNESS	S = 10 cm	S = 15 cm	S = 20 cm	S = 25 cm	S = 30 cm	S = 35 cm	S = 40 cm
Max area per prop (m ²)	5.60	4.60	3.70	3.20	2.80	2.40	2.20

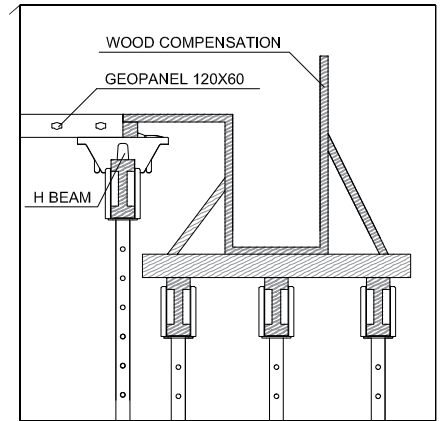
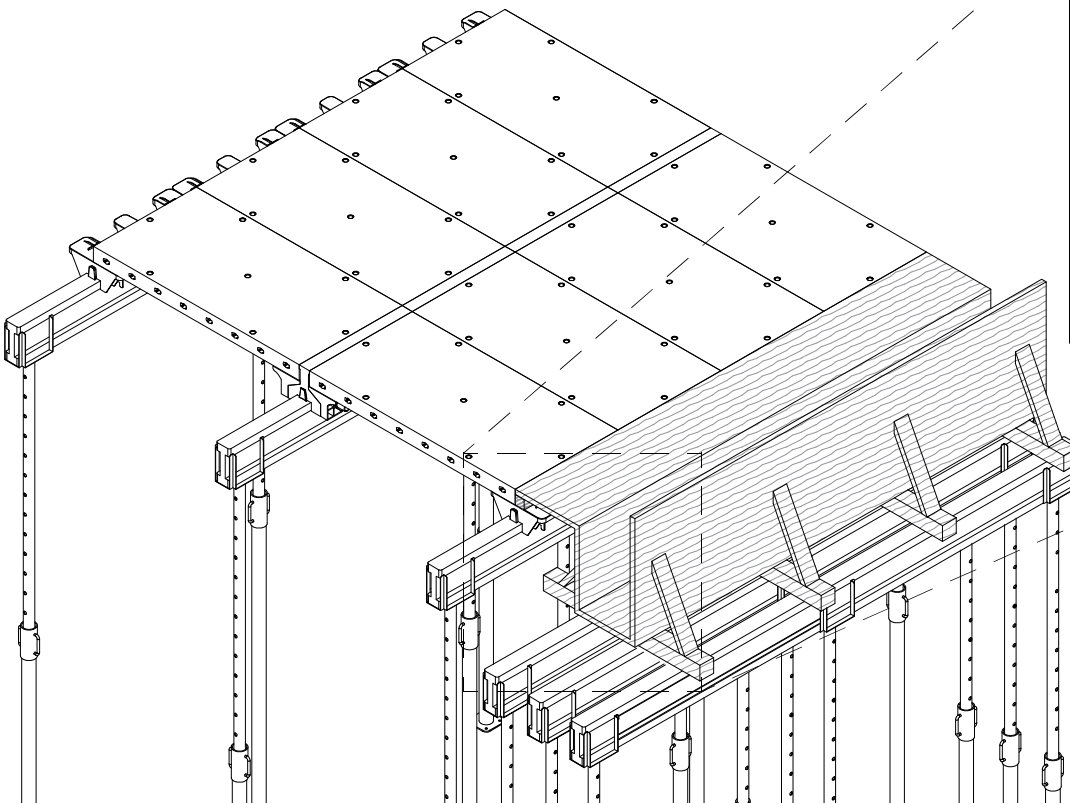
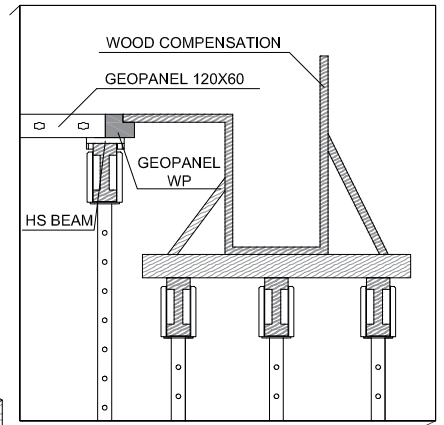
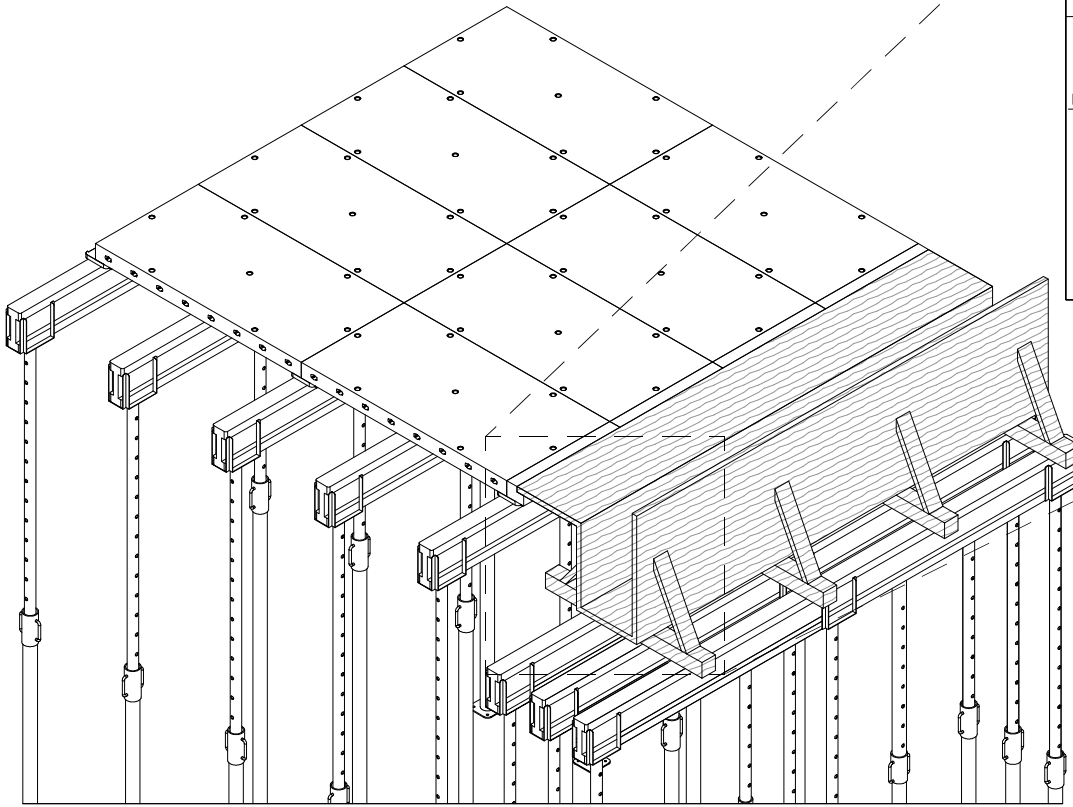


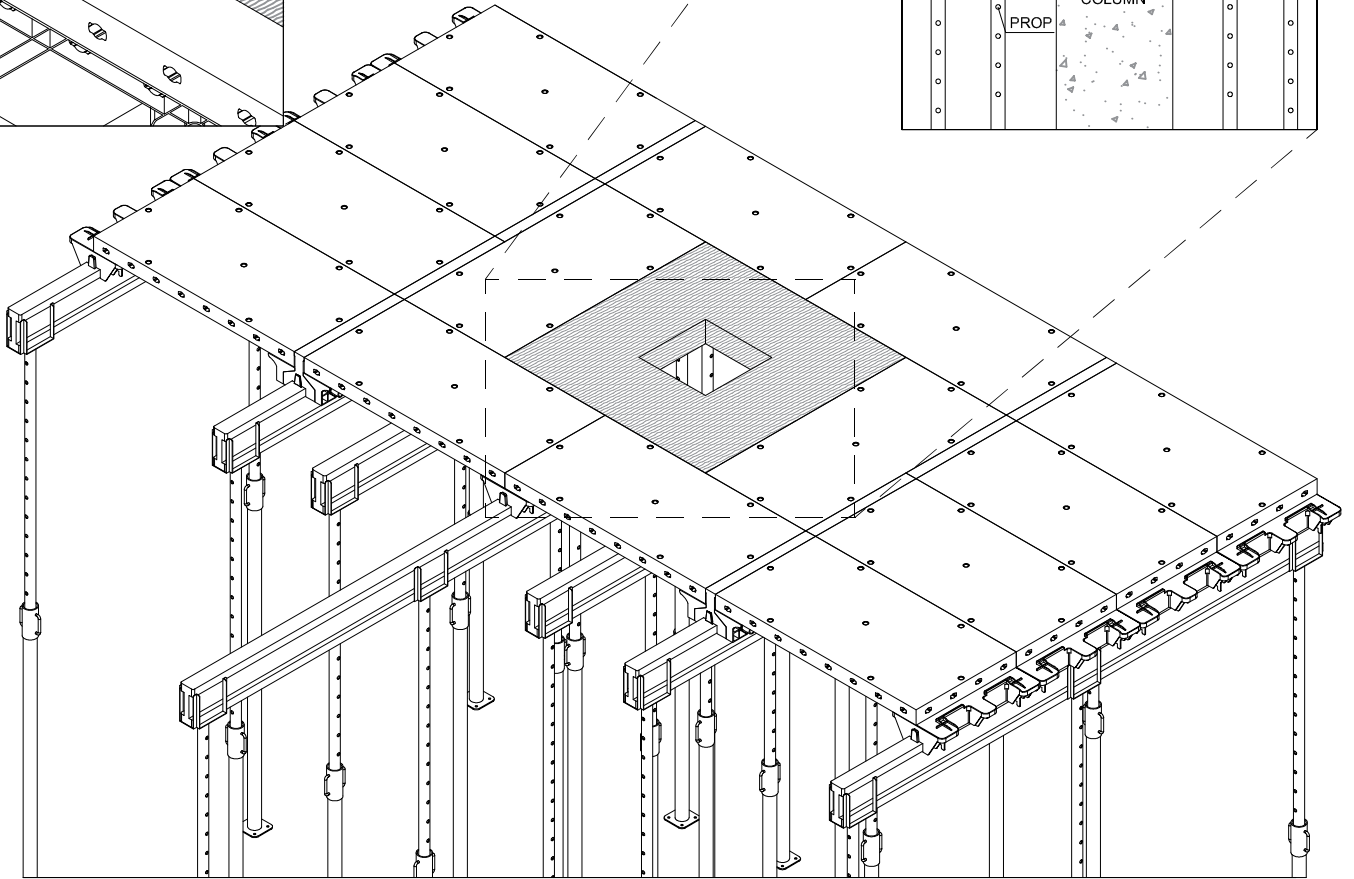
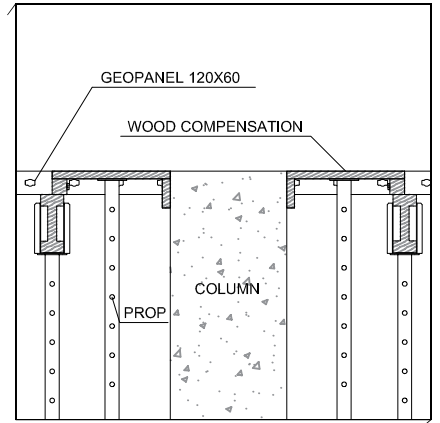
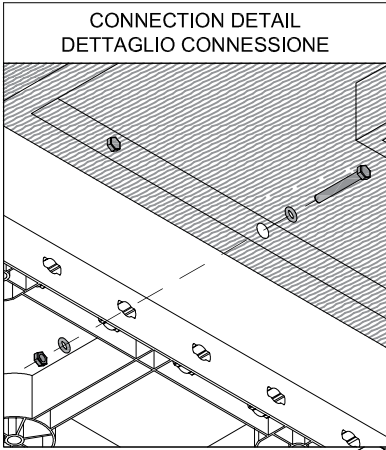
LOWER BEAM COMPENSATION WITH WP — COMPENSAZIONE TRAVE RIBASSATA CON WP



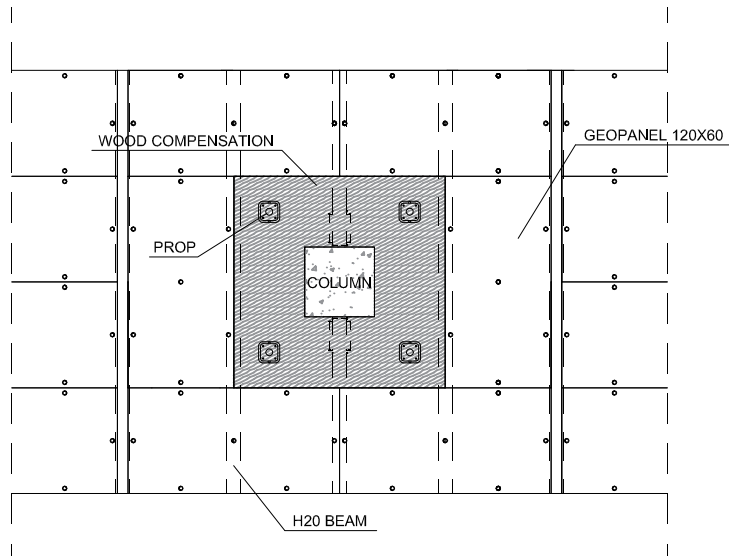
LOWER BEAM WOOD COMPENSATION — COMPENSAZIONE TRAVE RIBASSATA IN LEGNO





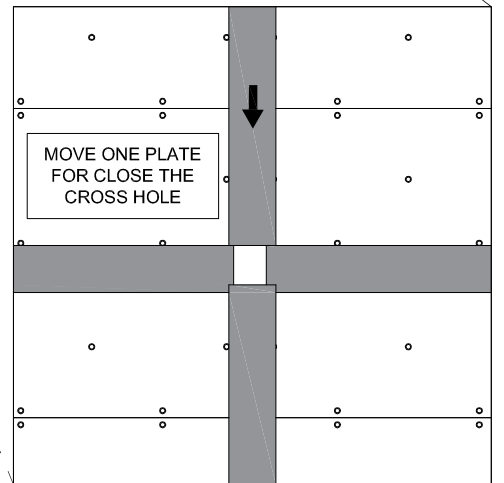
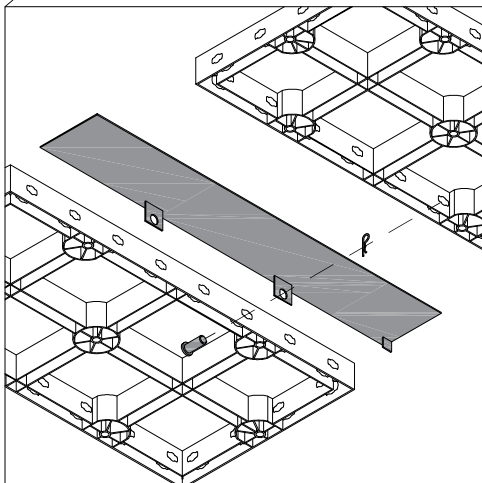
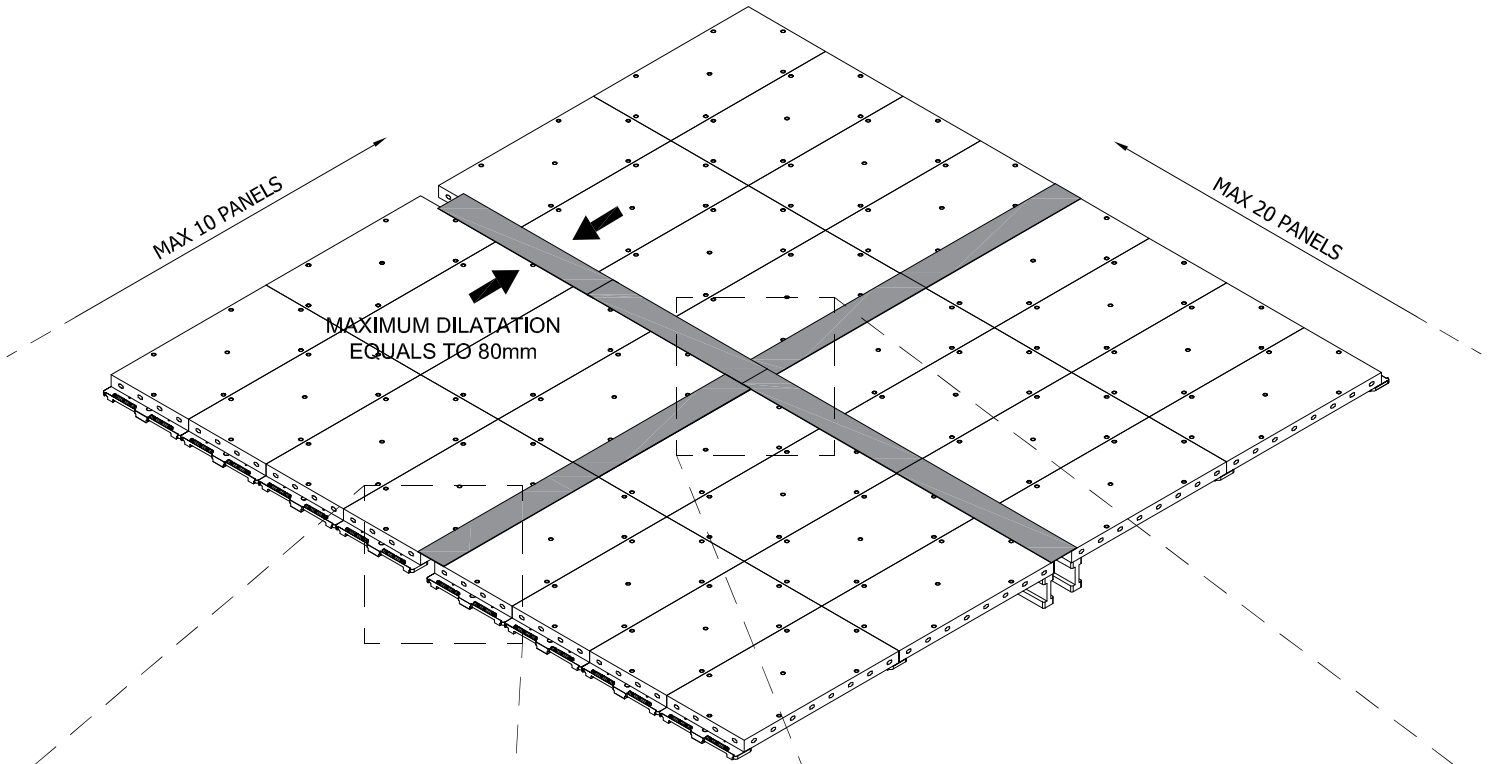
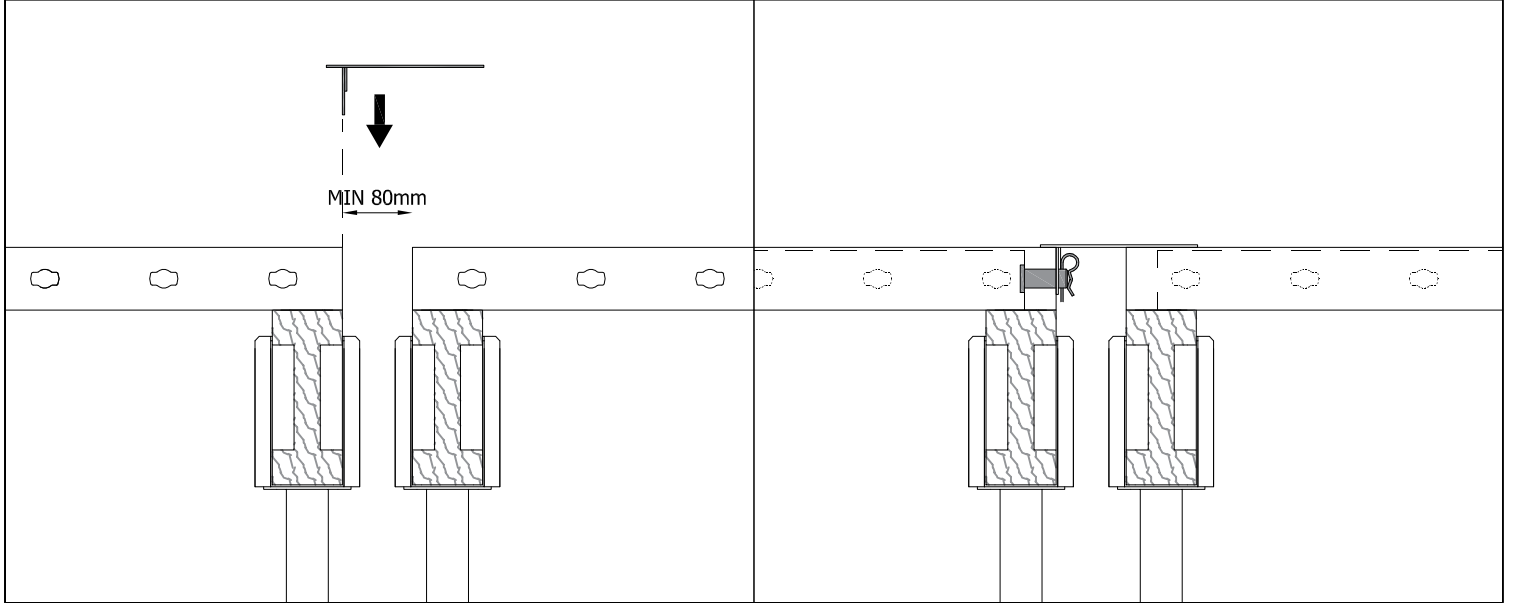


TOP VIEW



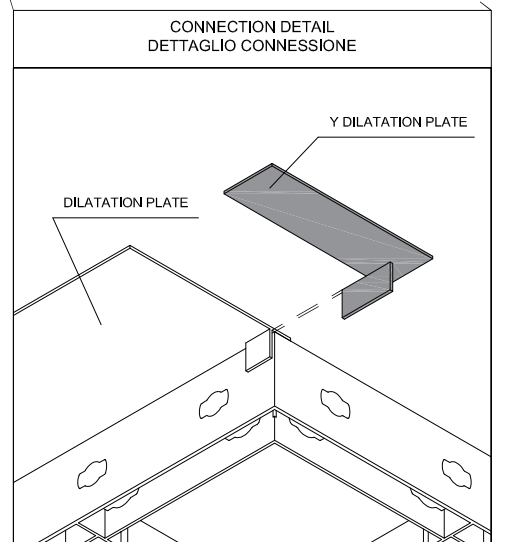
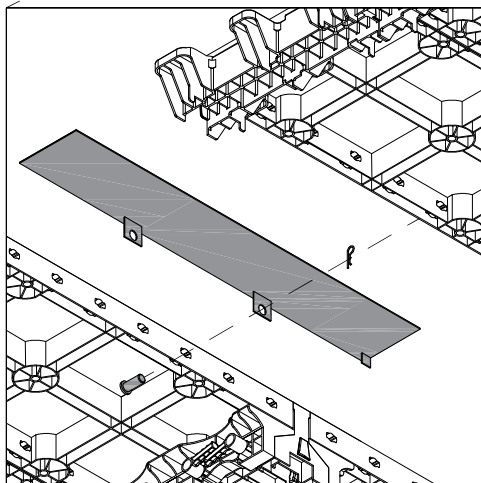
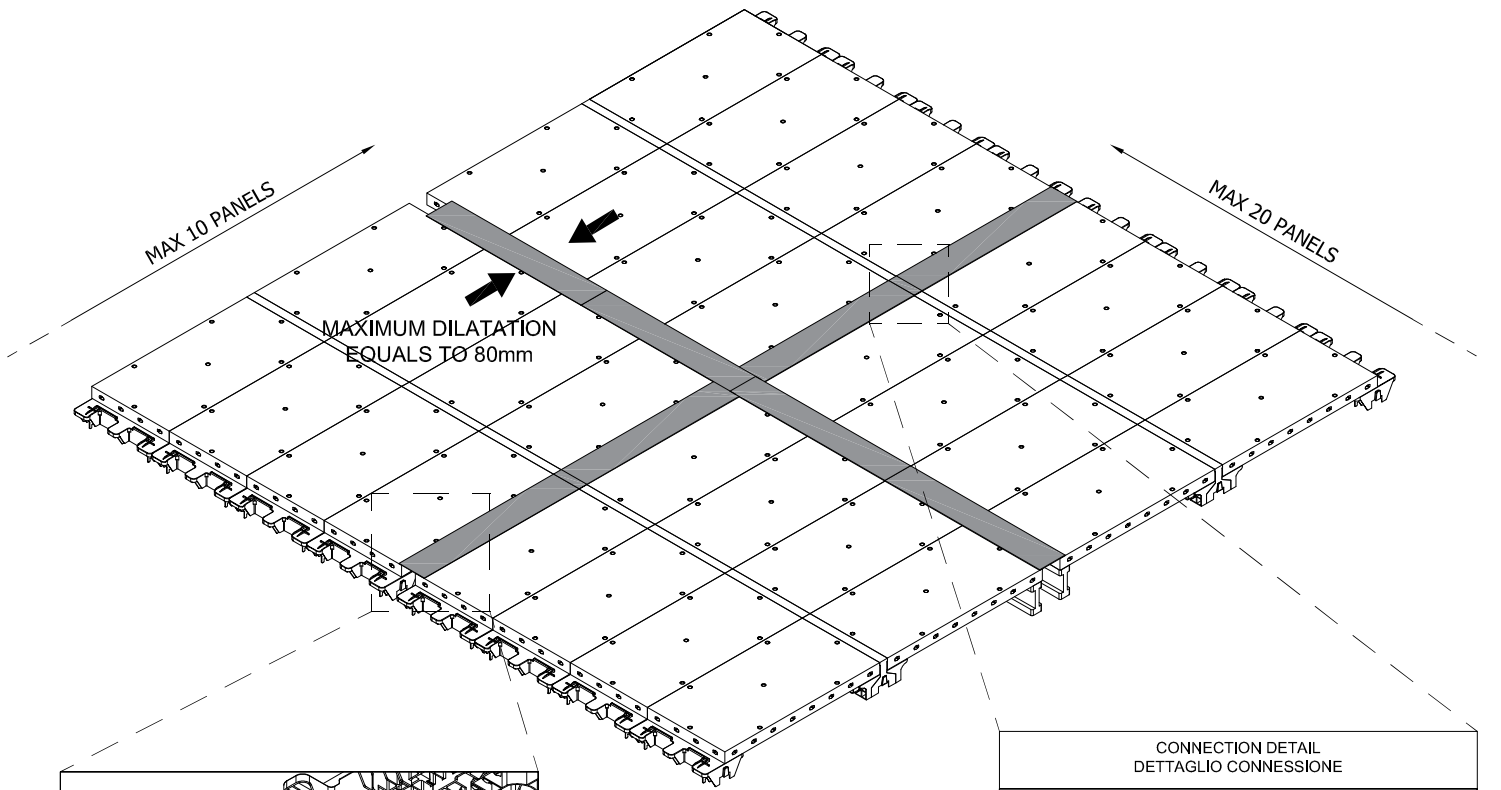
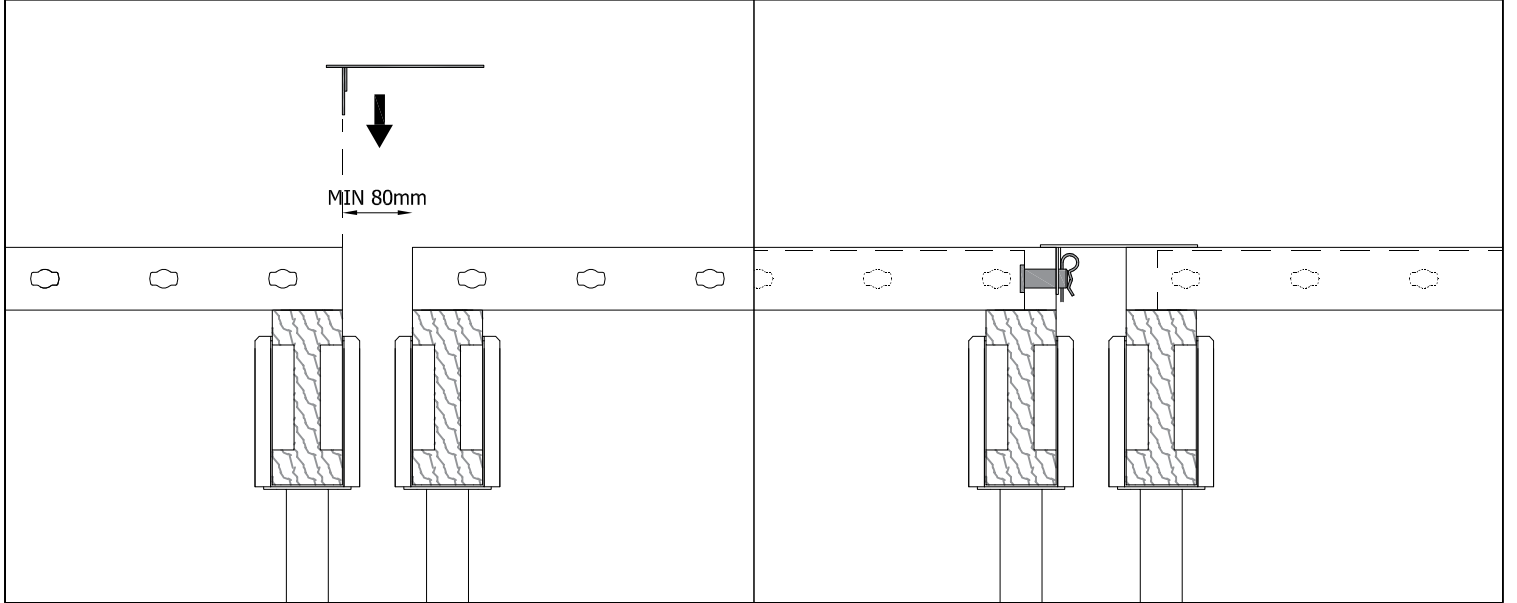
1. DILATATION PLATE INSTALLATION
 INSTALLAZIONE PIASTRA DI DILATAZIONE

2. PIN Ø 24 INSTALLATION
 INSTALLAZIONE PERNO Ø 24



1. DILATATION PLATE INSTALLATION
 INSTALLAZIONE PIASTRA DI DILATAZIONE

2. PIN Ø 24 INSTALLATION
 INSTALLAZIONE PERNO Ø 24



POUR

Only immersion type concrete vibrators are approved for use. The ABS formwork is not fireproof, do not place close to free flame or hot objects.

HANDLING

Use the lifting clamp to transport the formwork with a crane. Before lifting make sure the load is symmetrical and that the leg lengths are equal. Follow the diagram on p. 25 for the correct use of the lifting clamp.

ABS FORMWORK CLEANING

ABS is a particularly smooth and non-porous material on which concrete has difficulty adhering.

After each use, clean the formwork jet-washers, preferably using a high-pressure cleaner with a maximum pressure of 1.000 bar max. We recommend removing any concrete build-up with the help of plastic scrapers or brushes.

In the case of old concrete residues or encrustations that are particularly difficult to remove, we recommend cleaning with suitable concrete remover products based on vegetal oils.

The application of products containing alcohol or polycyclic aromatic hydrocarbons (PAH), such as benzene, is not permitted.

APPLICATION OF RELEASE AGENTS

As long as the contact surface of ABS formwork shows no signs of wear, no release agent is required prior to pouring.

Only release agents based on vegetal oils may be used, i.e. these must not contain (even in minute concentrations) polycyclic aromatic hydrocarbons (PAH), such as benzene.

ABS formwork may only be treated with vegetable oil-based products.

STORAGE

Store formwork in a dry place, away from heat sources and out of direct sunlight.

GETTO

Sono ammessi solamente sistemi di vibrazione ad immersione. Il cassero un ABS non è ignifugo, non porre a contatto diretto con corpi incandescenti o a fiamma libera.

MOVIMENTAZIONE

Utilizzare il gancio per Geopanel per sollevare i pannelli con gru e, prima della movimentazione, assicurarsi che le funi di sollevamento abbiano un uniforme tiraggio. Seguire lo schema di pag. 44 per il corretto utilizzo del gancio.

PULIZIA DEI PRODOTTI IN ABS

L'ABS è un materiale particolarmente liscio e non poroso sul quale il calcestruzzo ha difficoltà ad aderire.

Al termine di ogni utilizzo pulire i casseri con getti di acqua, preferibilmente utilizzando un'idropulitrice con pressione massima di 1.000 bar. Si consiglia di rimuovere eventuali incrostazioni del calcestruzzo con l'ausilio di spatole o spazzole in plastica.

In caso di vecchi residui di calcestruzzo o incrostazioni particolarmente difficili da rimuovere, si consiglia l'intervento di pulizia tramite prodotti decapanti a base oli vegetali.

Non è consentita l'applicazione di prodotti contenenti alcool o idrocarburi policiclici aromatici (IPA), come ad esempio benzene.

APPLICAZIONE DI PRODOTTI DISTACCANTI

Finché la superficie di contatto dei prodotti in ABS non mostra segni di usura, non è necessario alcun agente distaccante prima del getto.

È permesso l'utilizzo di prodotti distaccanti solo a base di oli vegetali, quindi questi non devono contenere (nemmeno in minime concentrazioni) idrocarburi policiclici aromatici (IPA), come ad esempio benzene.

I casseri in ABS possono essere trattati solo con prodotti a base di oli vegetali.

STOCCAGGIO

Stoccare i prodotti in ABS in luoghi asciutti, distanti da fonti di calore e al riparo dalla luce diretta del sole.

The operations of placing, assembly, disassembly, plumb, handling and cleaning of the Geopanel product, as well as the pouring of the concrete must be carried out by qualified and properly trained personnel, or under the supervision of the Site Manager or an Engineer of Geoplast SpA, who must ensure that:

- all the above operations are carried out in a workmanlike manner,
- every person working with the formwork is equipped with suitable tools and personal protective equipment to perform all necessary actions in compliance with the safety standards,
- all panels and the supplied accessories are checked before use, and that any part that does not meet the minimum standards of reliability and safety due to deformation or breakage is discarded,
- the formwork is installed on a perfectly flat surface, so as to work in maximum safety conditions and guarantee perfect propping and plumb,
- all connection, alignment and plumb accessories of the formwork are tight and fixed to the ground before beginning the pour.

Geoplast SpA disclaims any liability arising from improper use of the formwork Geopanel. Any assembly of formwork and/or use of accessories otherwise described in this manual must first be approved by Geoplast SpA.

Le operazioni di posizionamento, montaggio, smontaggio, messa a piombo, movimentazione e pulizia del prodotto Geopanel, nonché del getto del calcestruzzo, devono essere effettuate da personale competente e debitamente istruito o comunque sotto il controllo del responsabile di cantiere oppure di un tecnico Geoplast SpA, i quali devono assicurarsi che:

- tutte le operazioni sopra elencate vengano svolte a regola d'arte,
- gli addetti alle operazioni sopra elencate siano muniti di idonea strumentazione e di dispositivi di protezione individuale per poter effettuare tutte le azioni nel pieno rispetto delle norme di sicurezza,
- tutti i pannelli e gli accessori in dotazione vengano controllati prima del loro utilizzo, in modo tale da poter eliminare quelli che non abbiano sufficiente garanzia di affidabilità a causa di eventuali presenze di rotture e/o deformazioni,
- il piano di appoggio dei casseri sia perfettamente piano, in modo da poter operare in massima sicurezza e garantire la perfetta puntellazione e piombatura dei pilastri,
- tutti gli accessori di collegamento, di allineamento e di piombatura dei casseri, siano ben serrati e fissati al suolo prima di iniziare le operazioni di getto.

Geoplast SpA declina ogni responsabilità derivante da un uso improprio dei casseri Geopanel. Eventuali assemblaggi dei casseri e/o uso di accessori diversamente illustrati in questo manuale, devono essere prima approvati da Geoplast SpA.



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