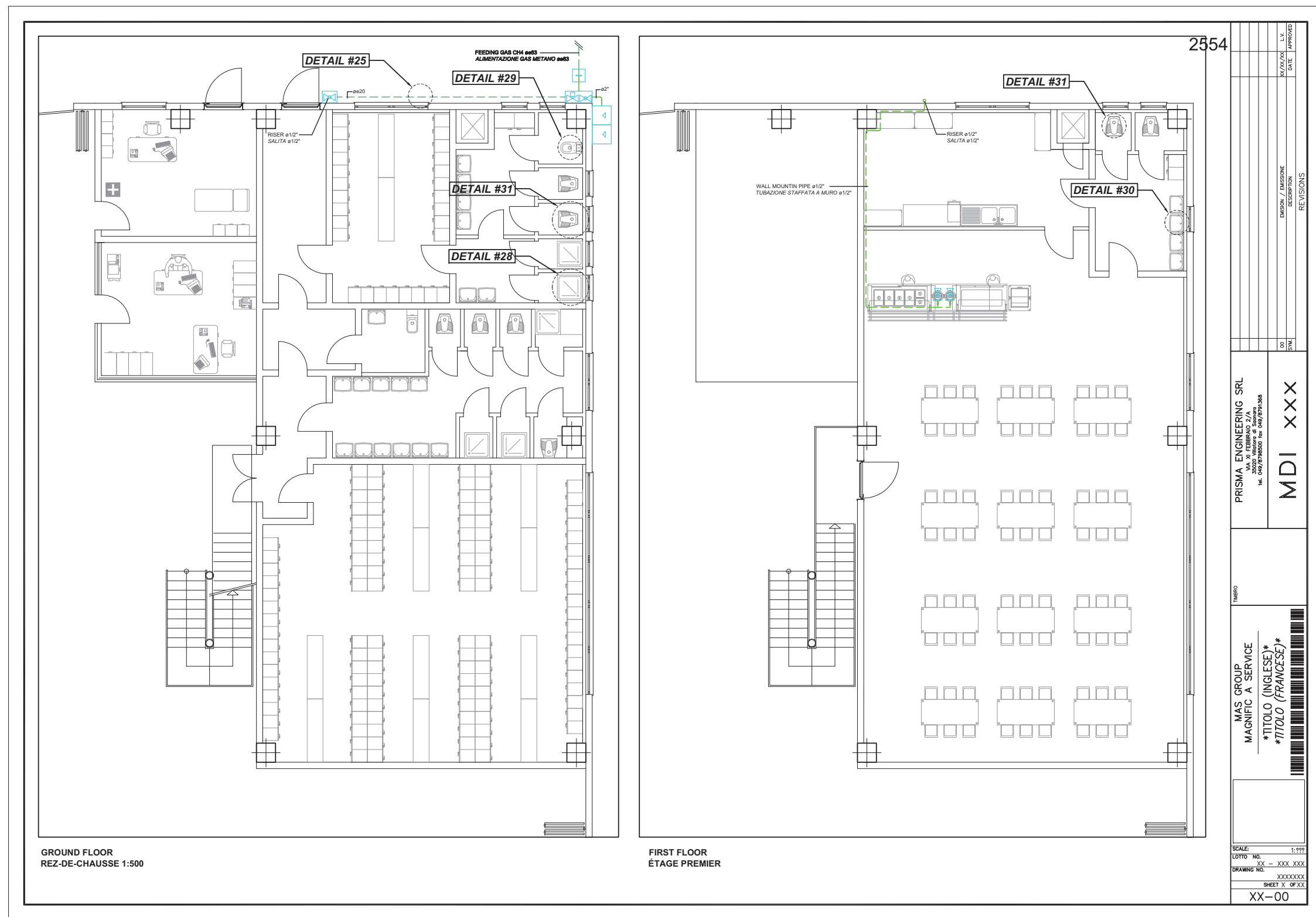
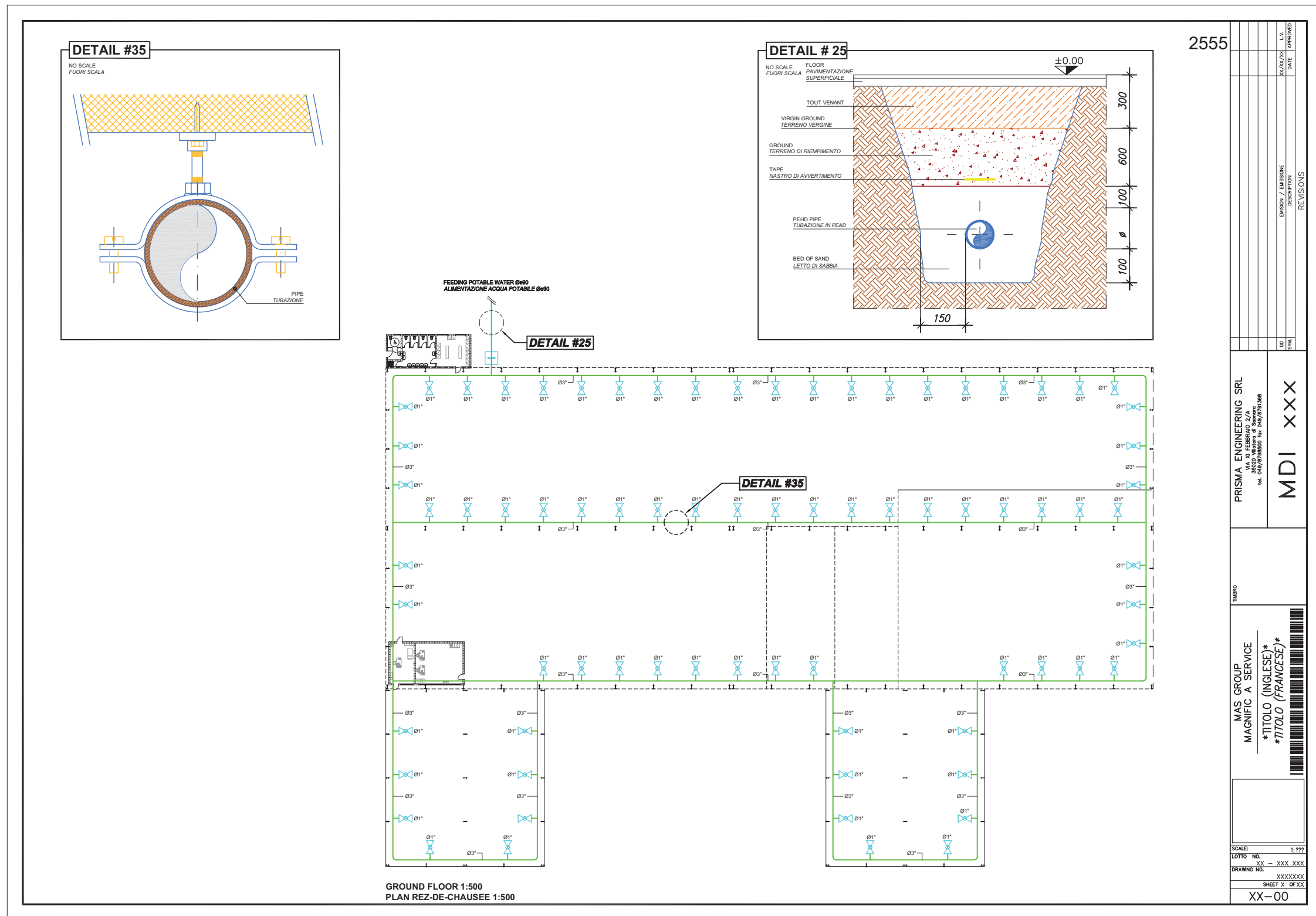
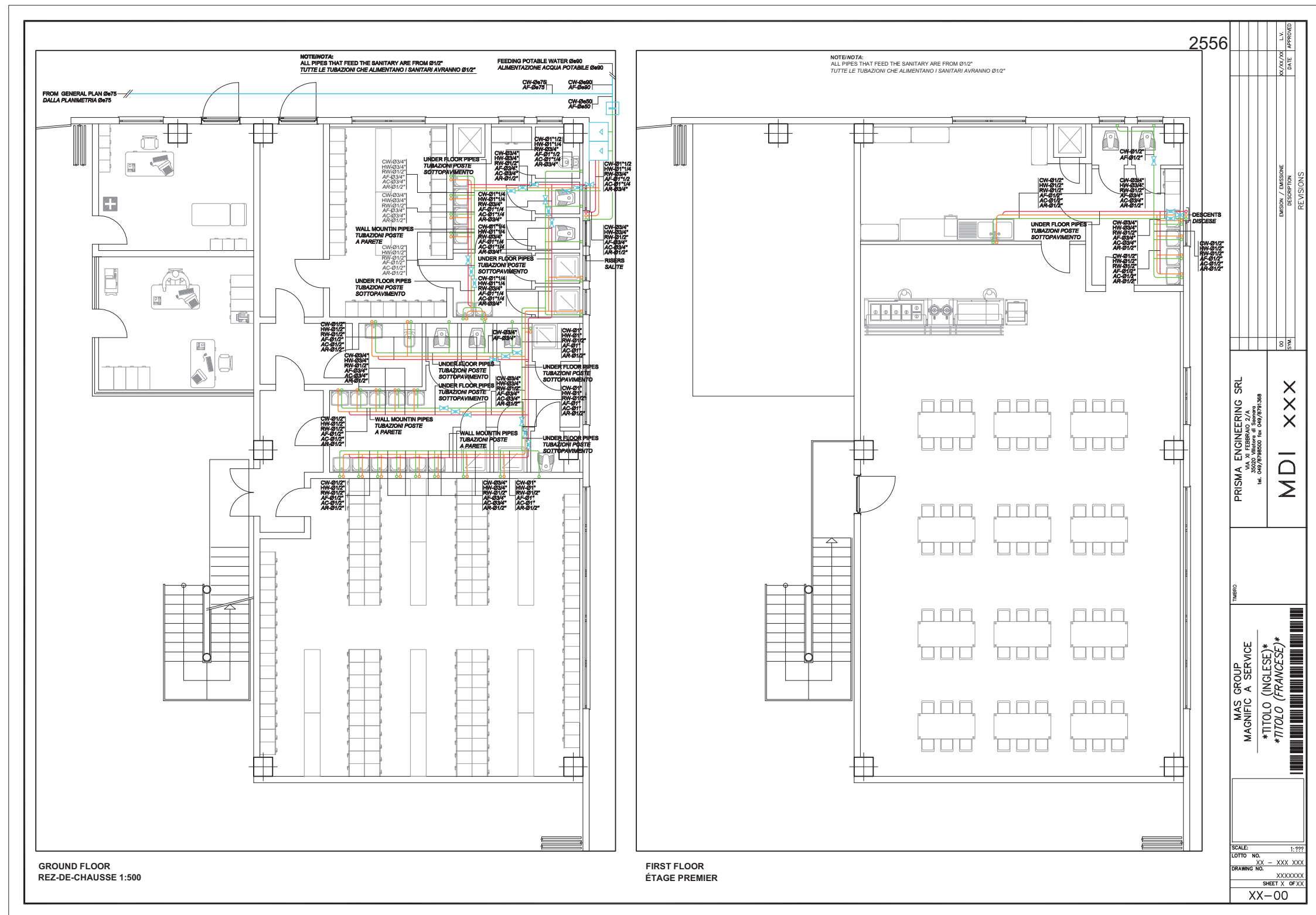
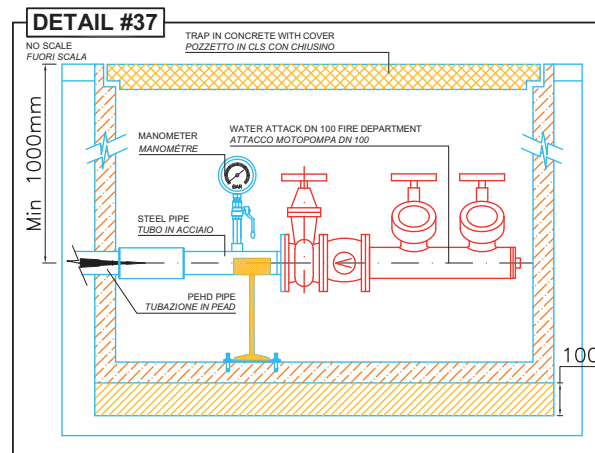
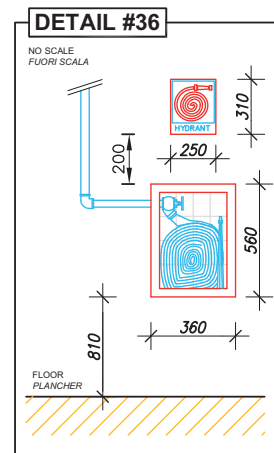
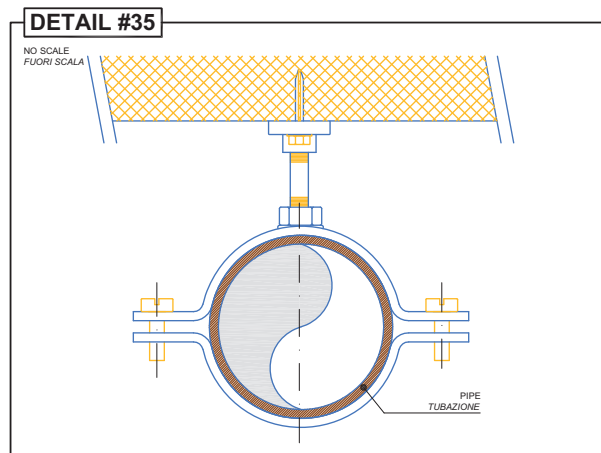
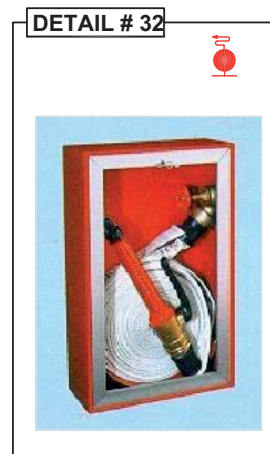
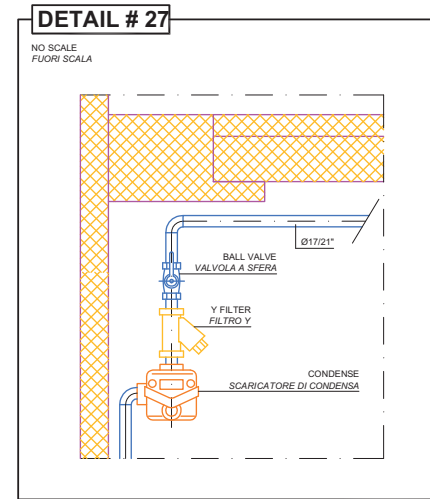
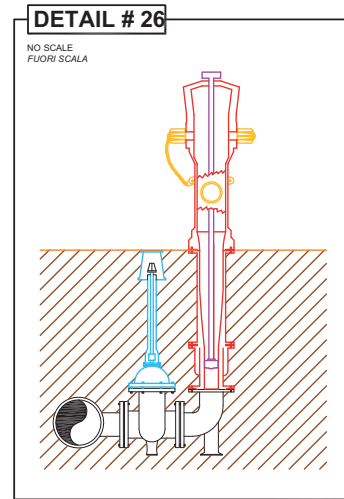
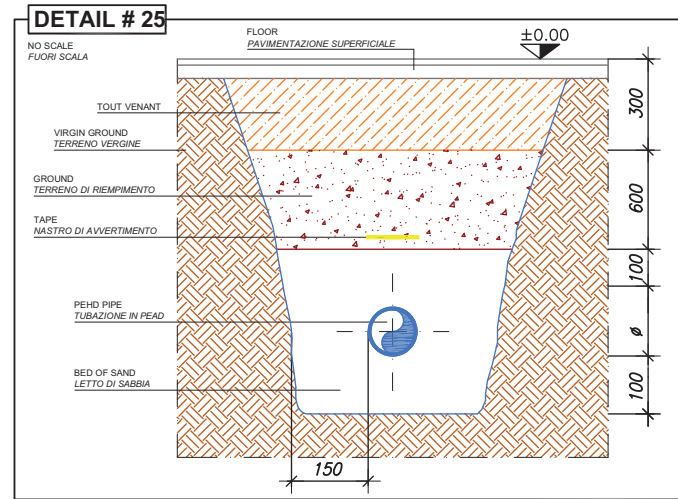
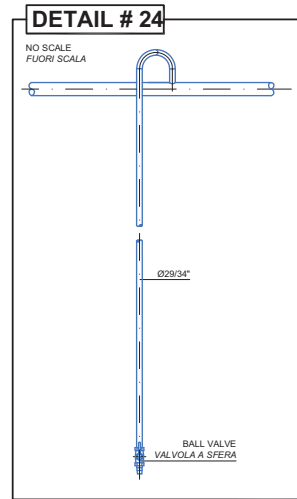




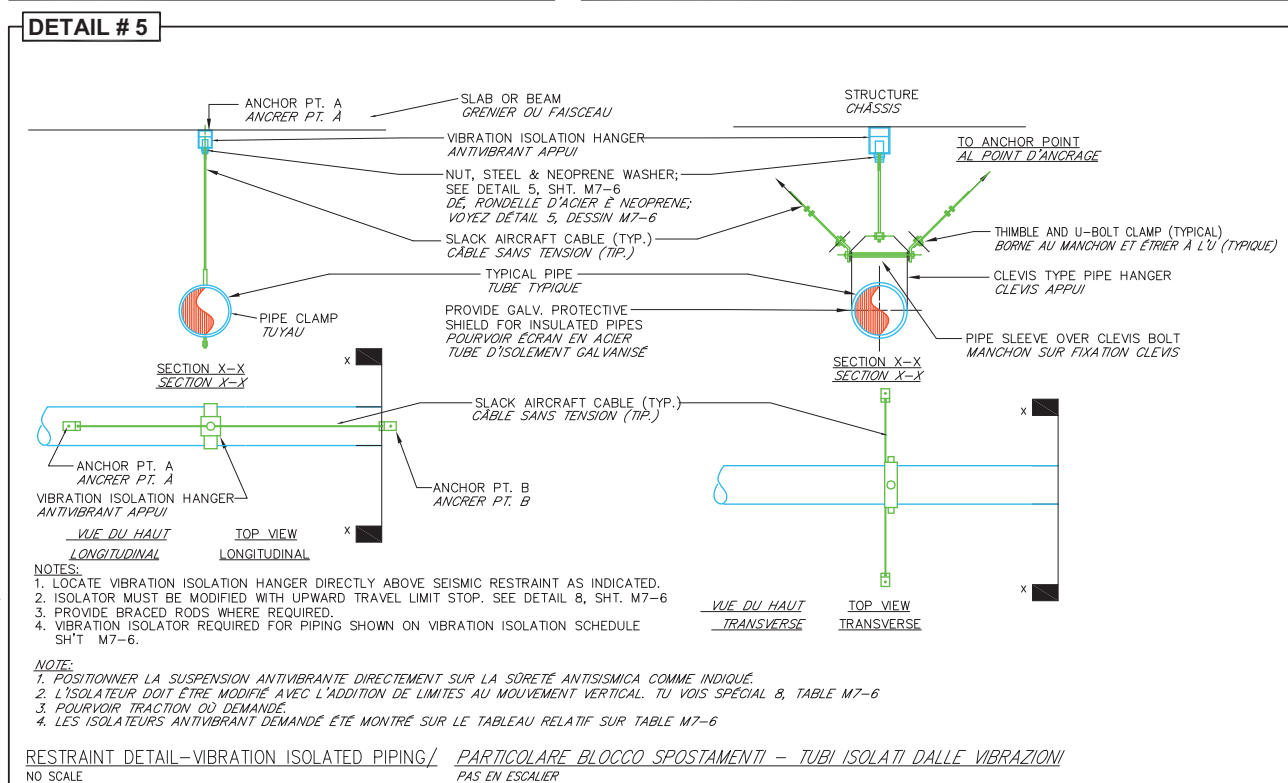
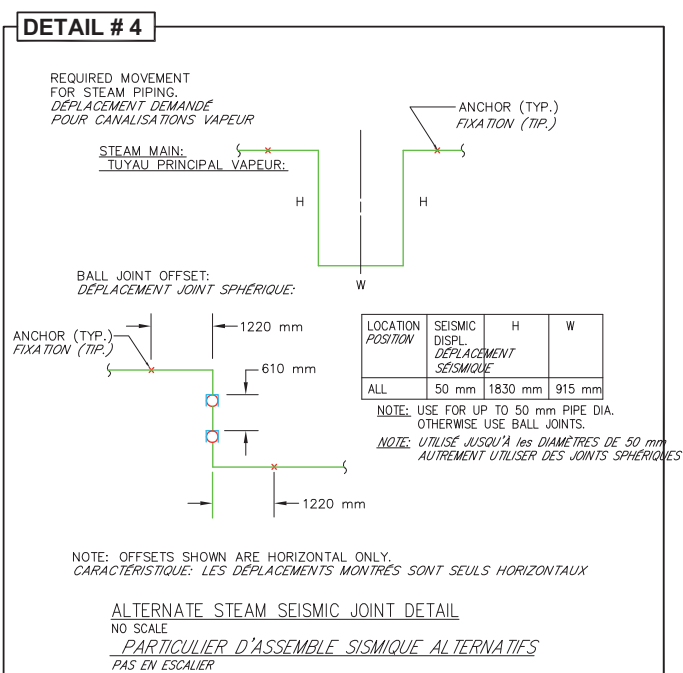
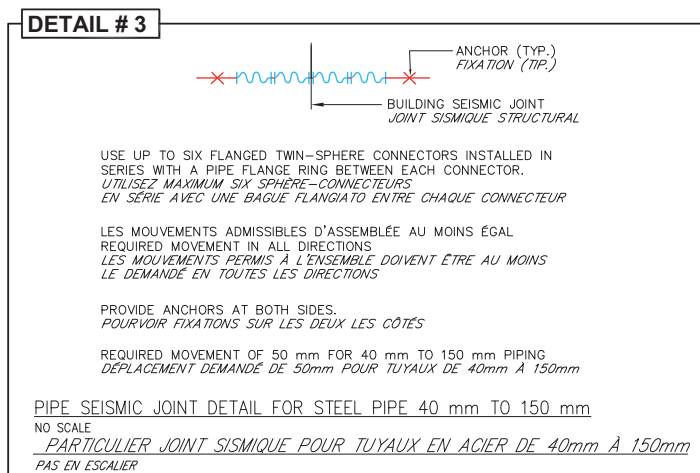
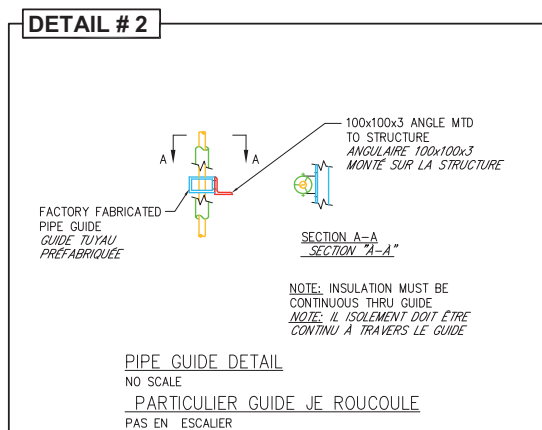
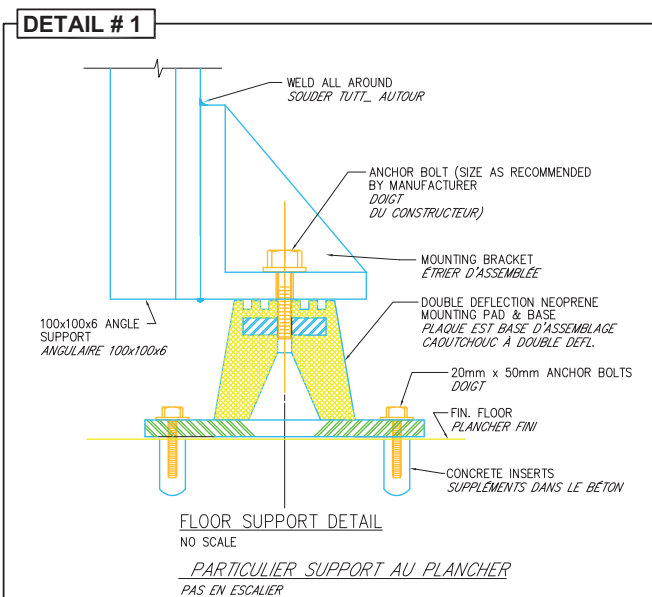






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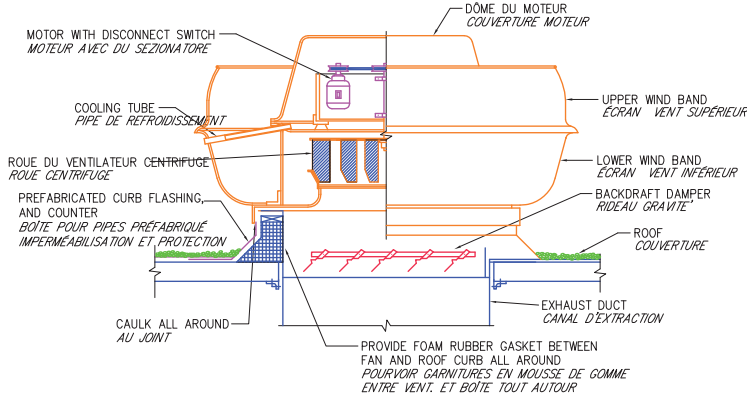
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SCALE: _____ 1:2 LOTTO NO: XX - XXX XX DRAWING NO: XXXXXX SHEET X OF 2		MAS GROUP MAGNIFIC A SERVICE *TITOLO (INGLESE)* *TITOLO (FRANCESE)* 		TIMPRO		PRISMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 33070 S. VIGILIO DI VENEZIA Tel. 041/8798200 Fax 041/8791348 MDI xxx		DIMENSIONE / DIMENSIONE L.V. DATE / APPROVED	
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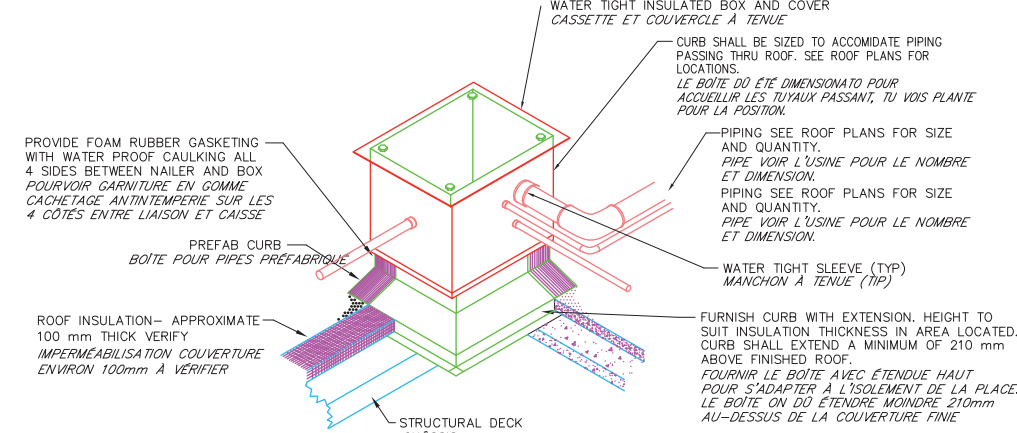


DETAIL # 12



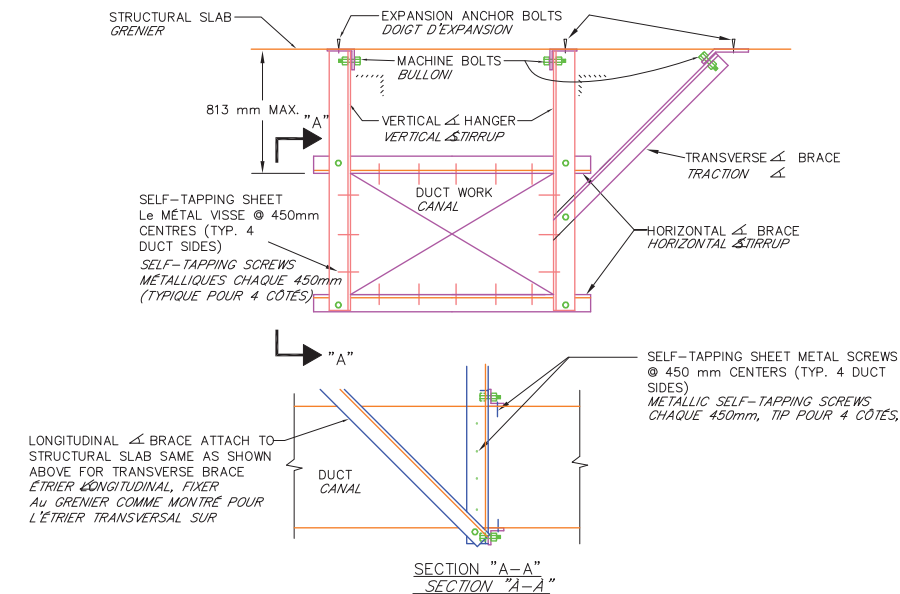
UPBLAST EXHAUST FAN DETAIL
NO SCALE
PARTICULIER EXTRACTEUR AU JET VERTICAL
PAS EN ESCALIER

DETAIL # 13



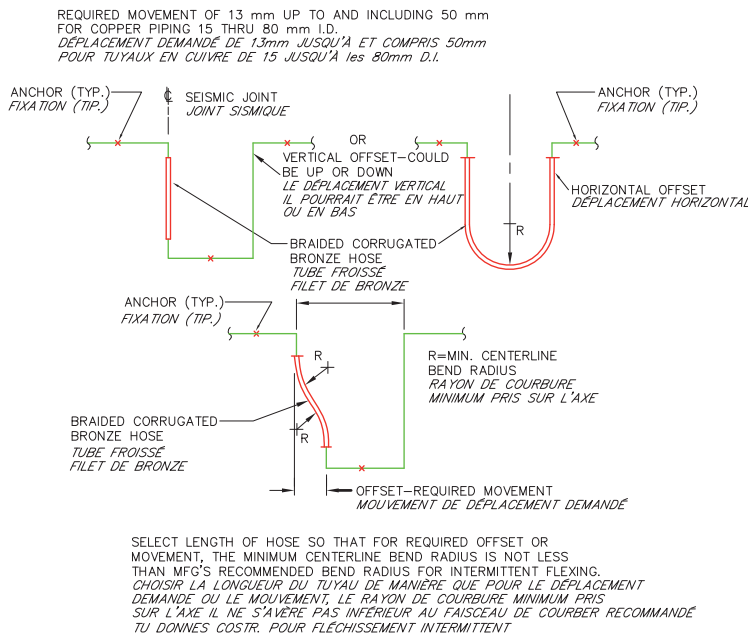
PIPE CURB DETAIL
NO SCALE
PARTICULIER REVENU TUBES
PAS EN ESCALIER

DETAIL # 14



LATERAL RESTRAINT DETAIL-DUCTWORK
NO SCALE
PARTICULIER RESTRICTION LATÉRAL - CANAUX
PAS EN ESCALIER

DETAIL # 15



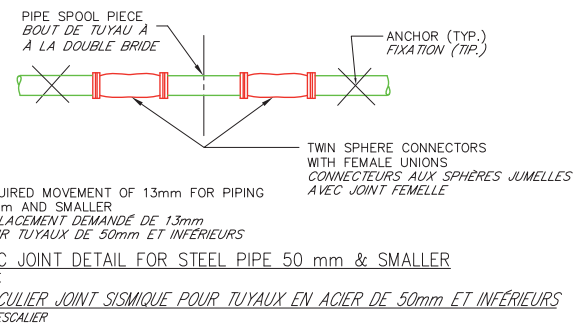
SEISMIC JOINT DETAIL FOR COPPER PIPING 15 THRU 80 mm I.D.
NO SCALE
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PAS EN ESCALIER

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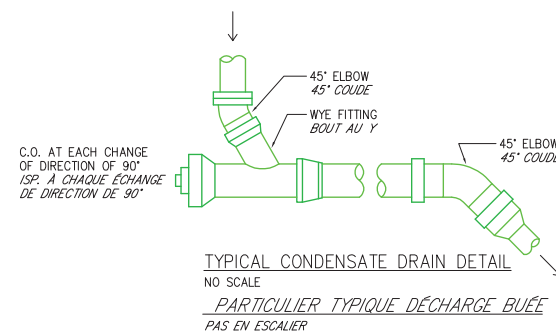
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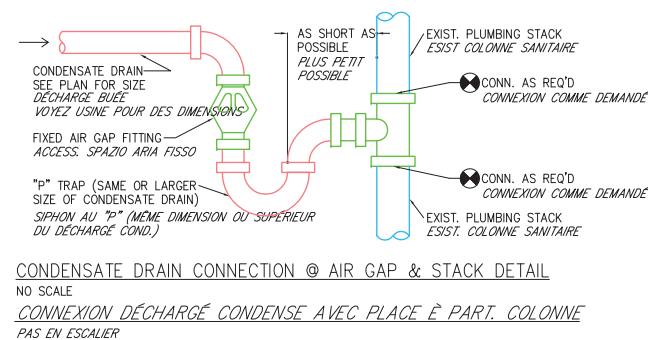
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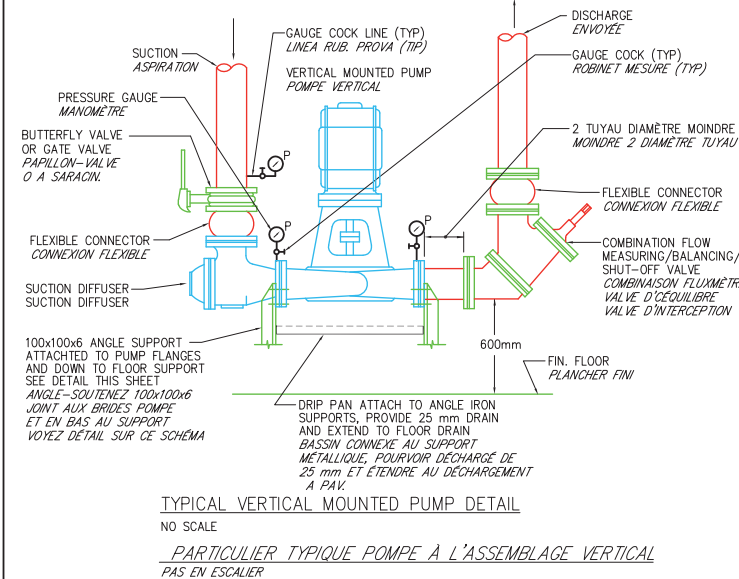
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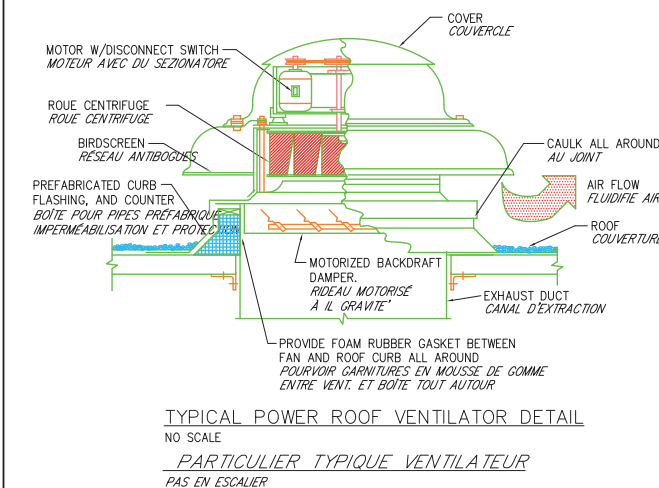
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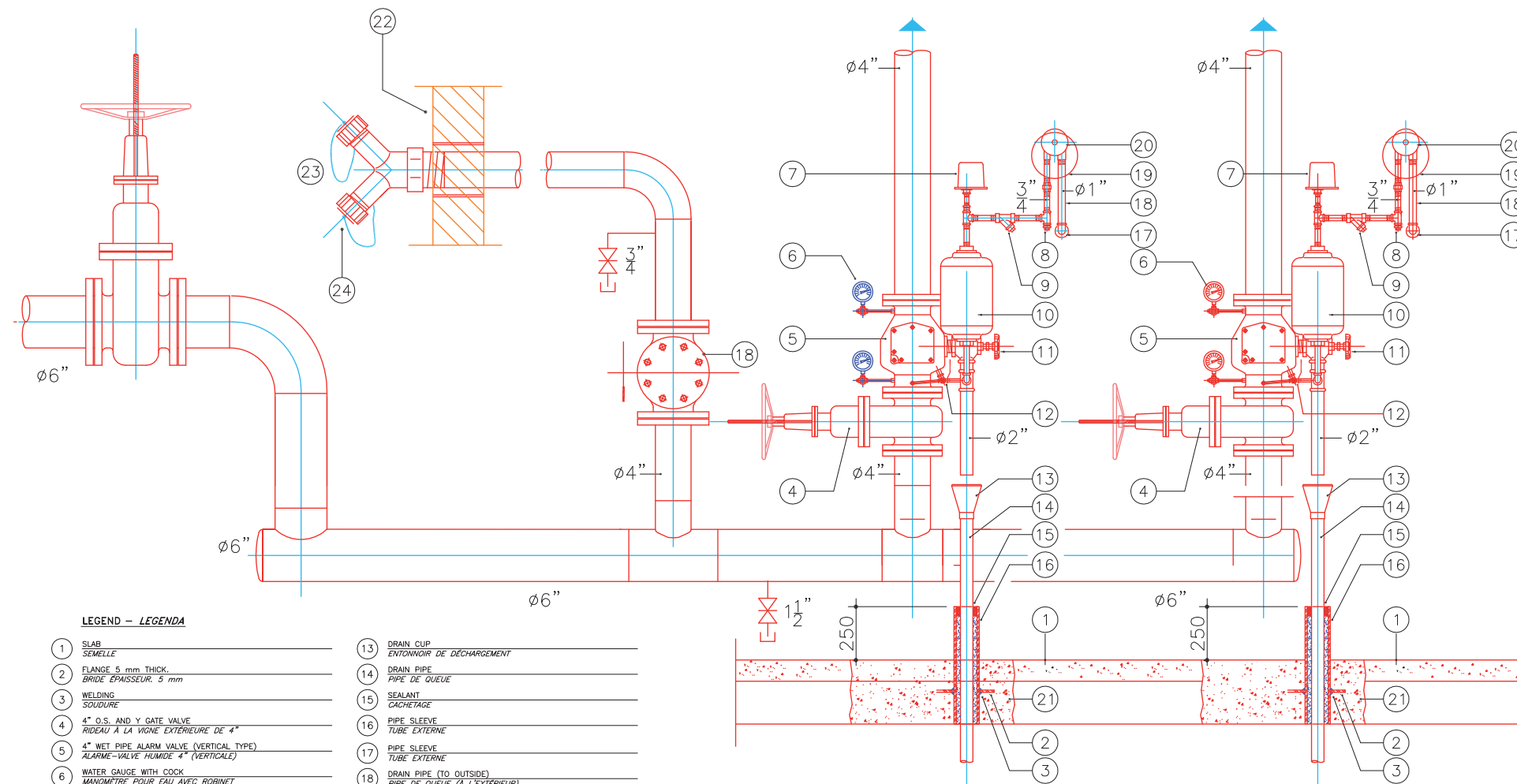
DETAIL # 19



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DETAIL # 21



- | LEGEND – LEGENDA | | | |
|------------------|--|------|--|
| (1) | SLAB
SEMELLE | (13) | DRAIN CUP
ENTONNOIR DE DÉCHARGEMENT |
| (2) | FLANGE 5 mm THICK,
BRIDE ÉPAISSEUR: 5 mm | (14) | DRAIN PIPE
PIPE DE QUEUE |
| (3) | WELDING
SOUDURE | (15) | SEALANT
CAGNETAGE |
| (4) | 4" O.S. AND Y GATE VALVE
RIDEAU À LA VIGNE EXTÉRIEURE DE 4" | (16) | PIPE SLEEVE
TUBE EXTÉRIEUR |
| (5) | 4" WET PIPE ALARM VALVE (VERTICAL TYPE)
ALARME-VALVE HUMIDE 4" (VERTICALE) | (17) | PIPE SLEEVE
TUBE EXTÉRIEUR |
| (6) | WATER GAUGE WITH COCK
MANOMÈTRE POUR EAU AVEC ROBINET | (18) | DRAIN PIPE (TO OUTSIDE)
PIPE DE QUEUE (À L'EXTÉRIEUR) |
| (7) | PRESSURE SWITCH
SONDE DE PRESSION D'ALARME | (19) | GONG
CLOCHE D'ALARME |
| (8) | PLUG
STOPPER | (20) | WATER MOTOR
MOTEUR HYDRAULIQUE |
| (9) | STRAINER
RAMASSEUR D'IMPURETÉ" | (21) | NON SHRINKING GROUT
ANTIRETRAIT MALTE |
| (10) | RETARD CHAMBER
CHAMBRE DE RETARD | (22) | EXTERIOR WALL SURFACE
PART EXTERIEUR MUR |
| (11) | 2"ANGLE VALVE (MAIN DRAIN VALVE)
SQUARE-VALVE 2" (VALVE PRINCIPALE DE DRAINAGE) | (23) | 4"x2-1/2"x2-1/2" FIRE DEPARTMENT CONNECTION
ATAQUE ANTIFEU 4"x2-1/2"x2-1/2" |
| (12) | ALARM TEST TRIM
DISPOSITIFS DE CONTRÔLE ET ALARME | (24) | CAP AND CHAIN
CHAÎNE ET CAP |

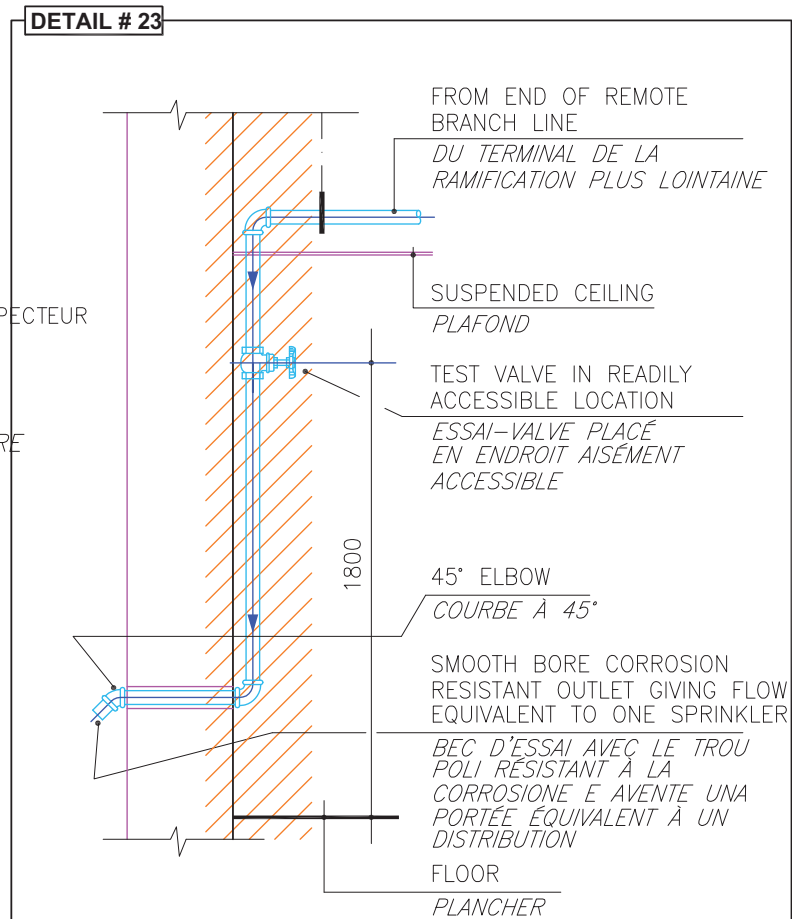
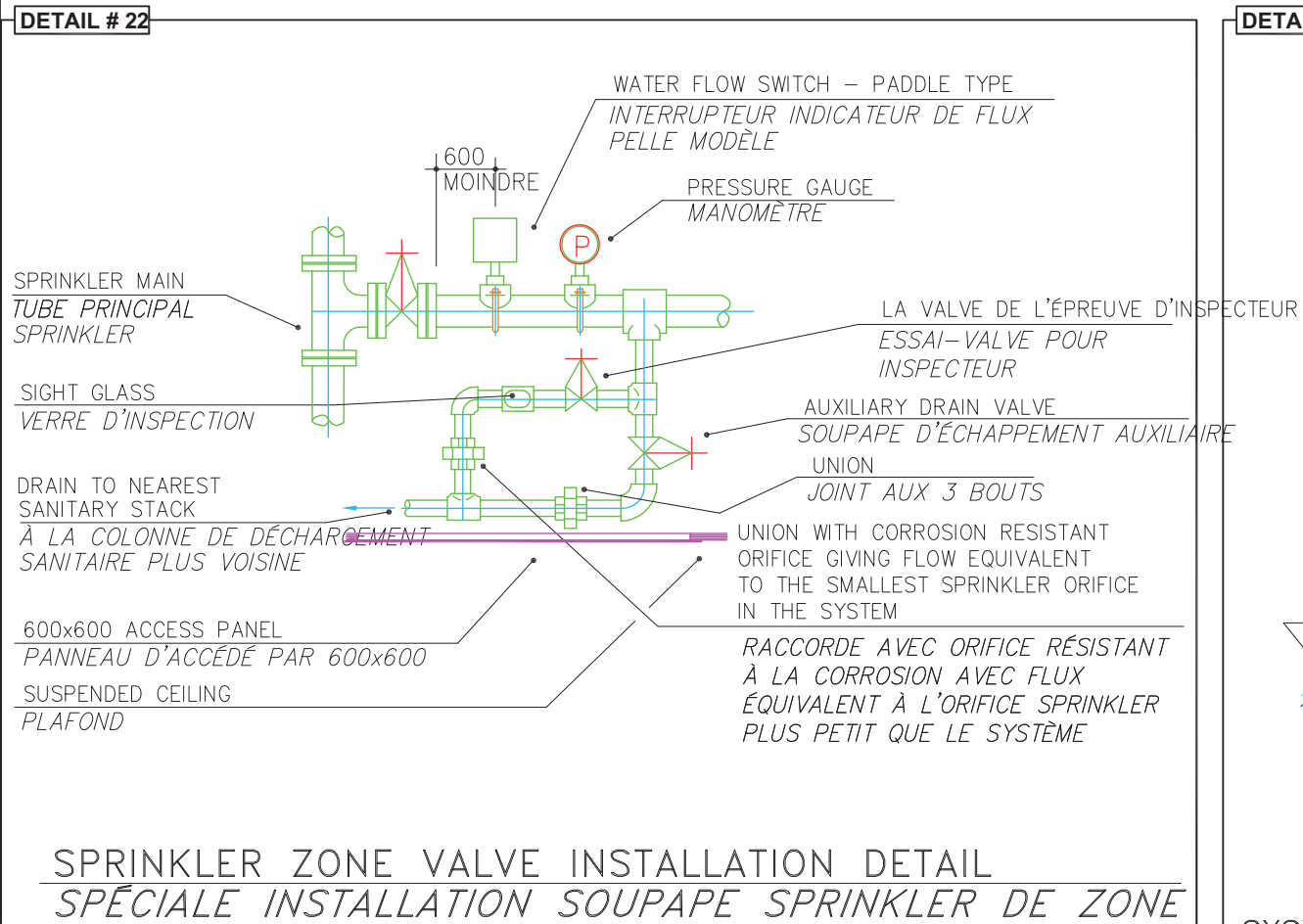
ALARM VALVE ASSEMBLY
WET PIPE

GROUPE SOUPAPE D'ALARME
MODÈLE HUMIDE

NOT TO SCALE
PAS EN ESCALIER

SCALE: 1:1 LOTTO NO. XX - XXX X DRAWING NO. XXXXXX		SHEET X OF	
MAS GROUP MAGNIFIC A SERVICE _____ *TITOLO (INGLESE)* *TITOLO (FRANCESE)*		IMBRO	
PRISMA ENGINEERING SRL VIA F. PETRARCA 2/A 33020 V. FRAZIGNO DI G. tel. 049/6798500 fax 049/6791588		MDI XXX	
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		DESCRIPTION	SYN
		DATE	DATE
		APPROVED	APPROVED
		K/A/K/A/XX	L.V.



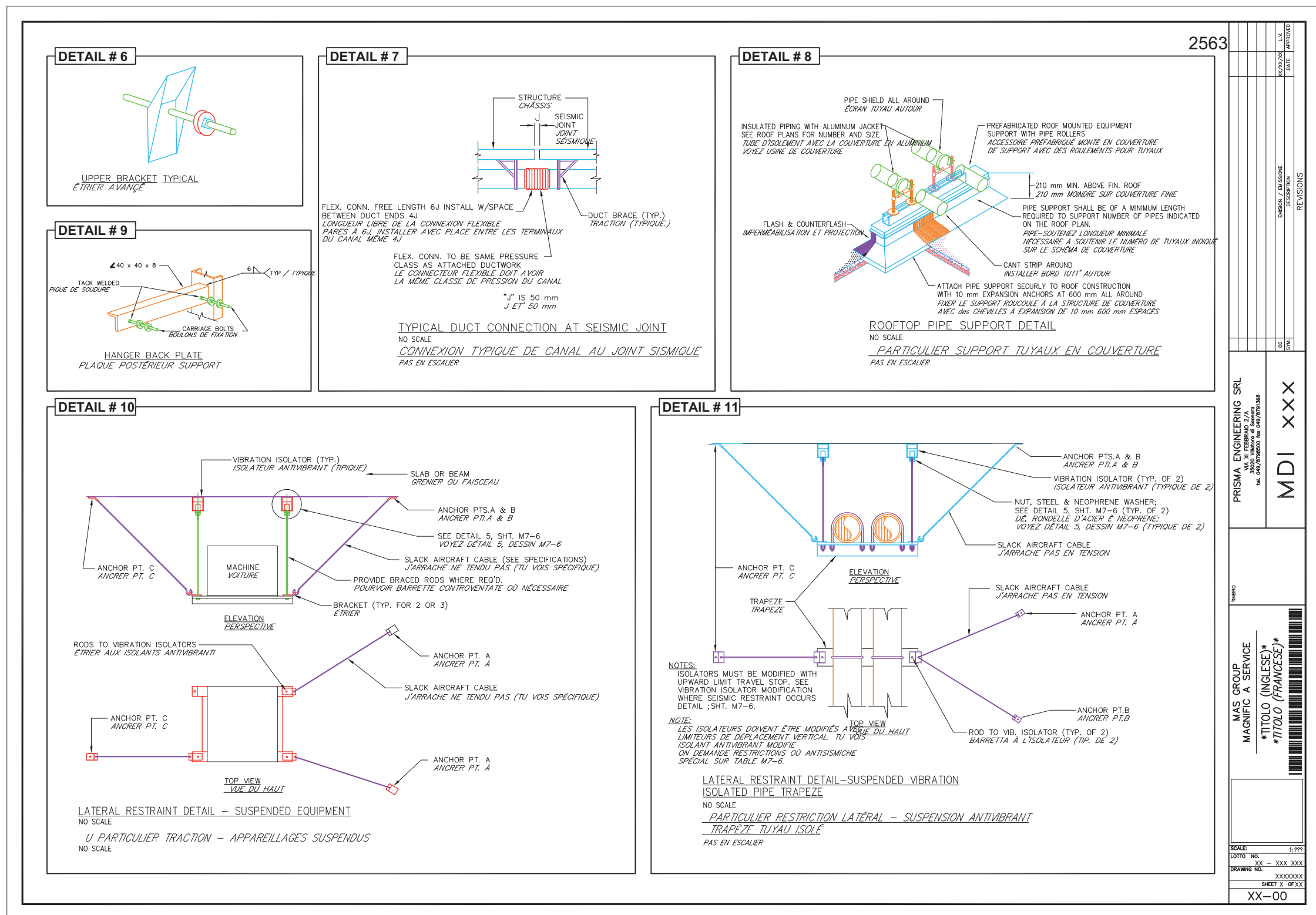


SYSTEM TEST CONNECTION DETAIL

SPECIALE LIAISON POUR PREUVE

MAS GROUP MAGNIFIC A SERVICE *TITOLO (INGLESE)* *TITOLO (FRANCESE)*		PRISMA ENGINEERING SRL Via M. Perugina, 24 33020 Veduggio di Sesto (VI) tel. 049/8798500 fax 049/8791368		2562	
SCALE: _____ 1:??? LOTTO NO. _____ DRAWING NO. _____		00 EMISION / EMISSION DATE APPROVED		MDI xxx	
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SHEET X OF XX		XXXXXXXXXXXX		XXXXXXXXXXXX	





LÉGENDE			
Symbole	Description	Symbole	Description
	PEHD PIPE HOT WELDED FOR SEWER TUBAZIONE IN PEAD TERMOSALDATA PER SCARICHI		FIRE EXTINGUISHER ESTINTORE A CO DA 5 kg CON CAPACITÀ ESTINGUENTE 89BC
	PVC PIPE FOR EXTERNAL SEWER TUBAZIONE IN PVC PER SCARICHI ESTERNI		FLOOR DRAIN PILETTA
	PVC PIPE FOR EXTERNAL DRAINAGE TUBAZIONE IN PVC PER DRENAGGI ESTERNI		SEWER SCARICO
	PEHD PIPE HOT WELDED FOR COMPRESSED AIR TUBAZIONE IN PEAD TERMOSALDATA PER ARIA COMPRESSA		VENT THRU ROOF COLONNA DI VENTILAZIONE
	STEEL BLACK PIPE EN 10220 SS FOR COMPRESSED AIR TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ARIA COMPRESSA		STORAGE BOILER CALDAIA CON ACCUMULO
	PEHD PIPE HOT WELDED FOR FIRE FIGHTING SYSTEM TUBAZIONE IN PEAD TERMOSALDATA PER ANTINCENDIO		BALL VALVE VALVOLA A SFERA
	STEEL BLACK PIPE EN 10220 SS FOR FIRE FIGHTING SYSTEM TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ANTINCENDIO		AUTOMATIC BLOCK VALVE, NORMALLY CLOSED ELETTROVALVOLA DI INTERCETTAZIONE, NORMALMENTE CHIUSA
	PEHD PIPE HOT WELDED UNI ISO 4437 FOR GAS CH4 TUBAZIONE IN PEAD TERMOSALDATA UNI ISO 4437 PER GAS METANO		AUTOMATIC CONDENS DRAINAGE GRUPPO DI DRENAGGIO AUTOMATICO CONDENSA DN 15
	STEEL BLACK PIPE UNI 8863 SS FOR GAS CH4 TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER GAS METANO		GATE BALL-Ø=ØPIPE-PN 16, ISPECTION TRAP IN CONCRETE, WITH COVER VALVOLE DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16 POSTA ENTRO POZZETTO CON CHIUSINO
	PEHD PIPE HOT WELDED FOR POTABLE WATER TUBAZIONE IN PEAD TERMOSALDATA PER ACQUA POTABILE		TRAP IN CONCRETE WITH COVER AND SPLICE POLYETHYLENE STEEL POZZETTO IN CLS CON CHIUSINO E GIUNZIONE POLIETILENE ACCIAIO
	STEEL BLACK PIPE UNI 8863 SS FOR POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA POTABILE		FLOOR DRAIN CADITOIA IN GHISA
	STEEL BLACK PIPE UNI 8863 SS FOR HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA CALDA POTABILE		TRAP IN CONCRETE WITH COVER, SPLICE POLYETHYLENE STEEL, GATE BALL-Ø=ØPIPE-PN 16 POZZETTO IN CLS CON CHIUSINO, GIUNZIONE POLIETILENE ACCIAIO, VALVOLA DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16
	PIPING GALVANIZED STEEL RICIRCULATION HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS ACQUA CALDA RICIRCOLO POTABILE		
	STANDPOST HYDRANT IDRANTE SOPRASSUOLO A COLONNA		
	UNI 45 FIRE HYDRANT, HOSE LENGHT 20 METERS IDRANTE UNI 45, LUNGHEZZA MANICHETTA 20 METRI		
	WATER ATTACK DN 100 FIRE DEPARTMENT ATTACCO MOTOPOMPA DN 100		
	FIRE EXTINGUISHER PORTABLE TYPE ABC 6 kg ESTINTORE PORTATILE A POLVERE DA 6 kg CLASSE 43A-233BC		

PRISMA ENGINEERING SRL
Via V. Veneto 10
33020 Vidor (Treviso) Italy
tel. 0423/2718500 fax 0423/271348

MDI XXX

MAS GROUP
MAGNIFIC A SERVICE
TITOLO (INGLESE)
TITOLO (FRANCESE)

SCALE: 1:???

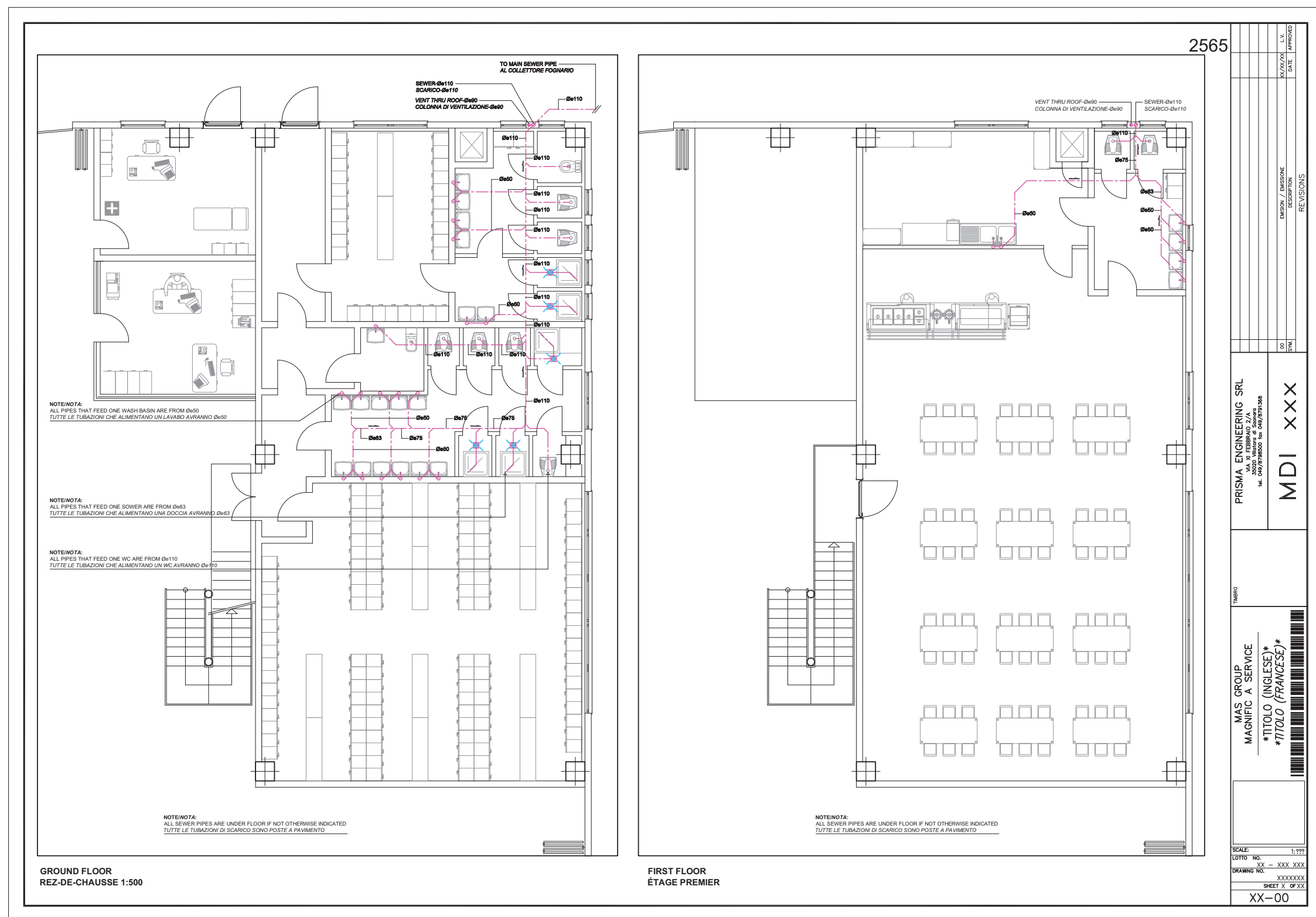
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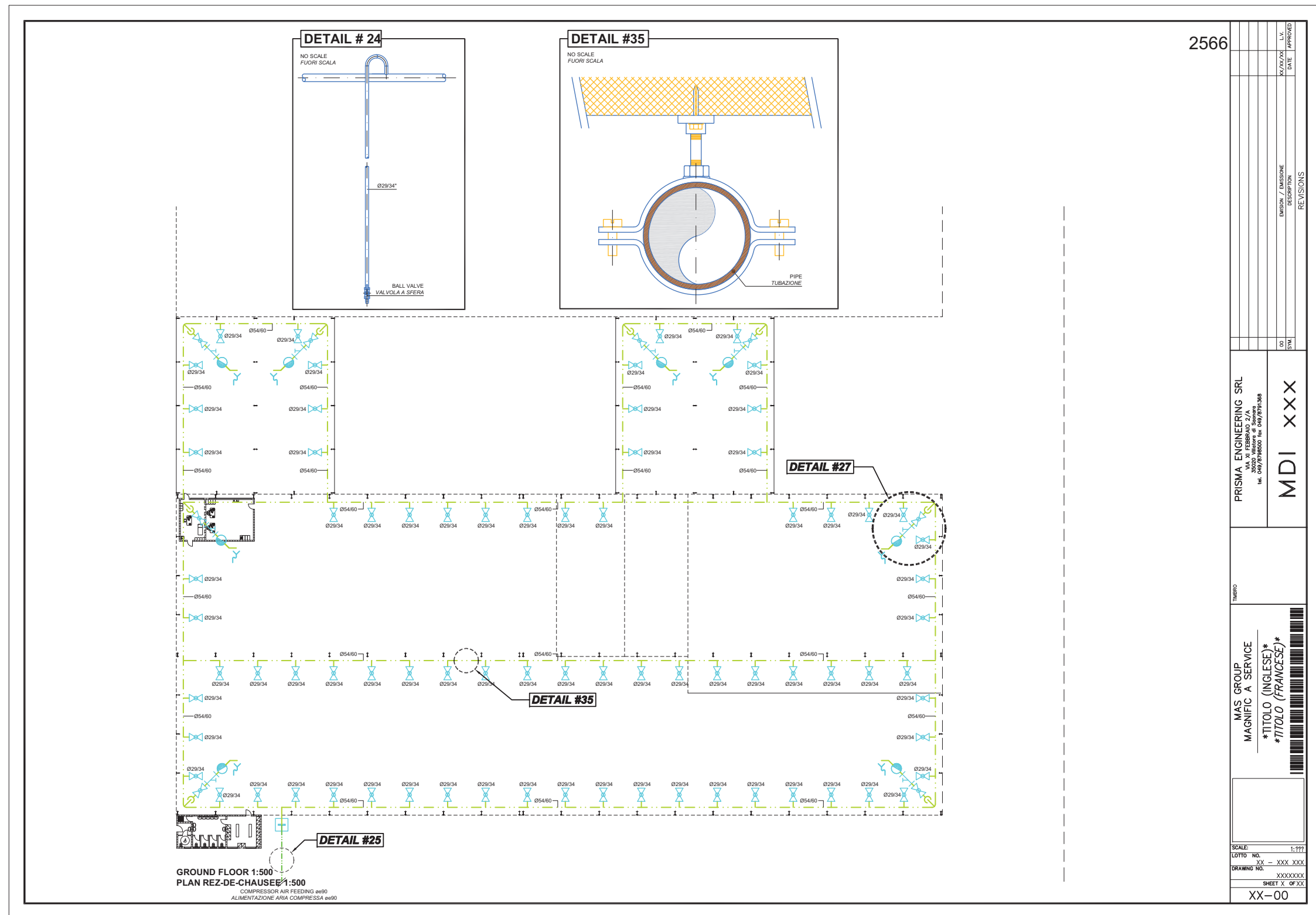
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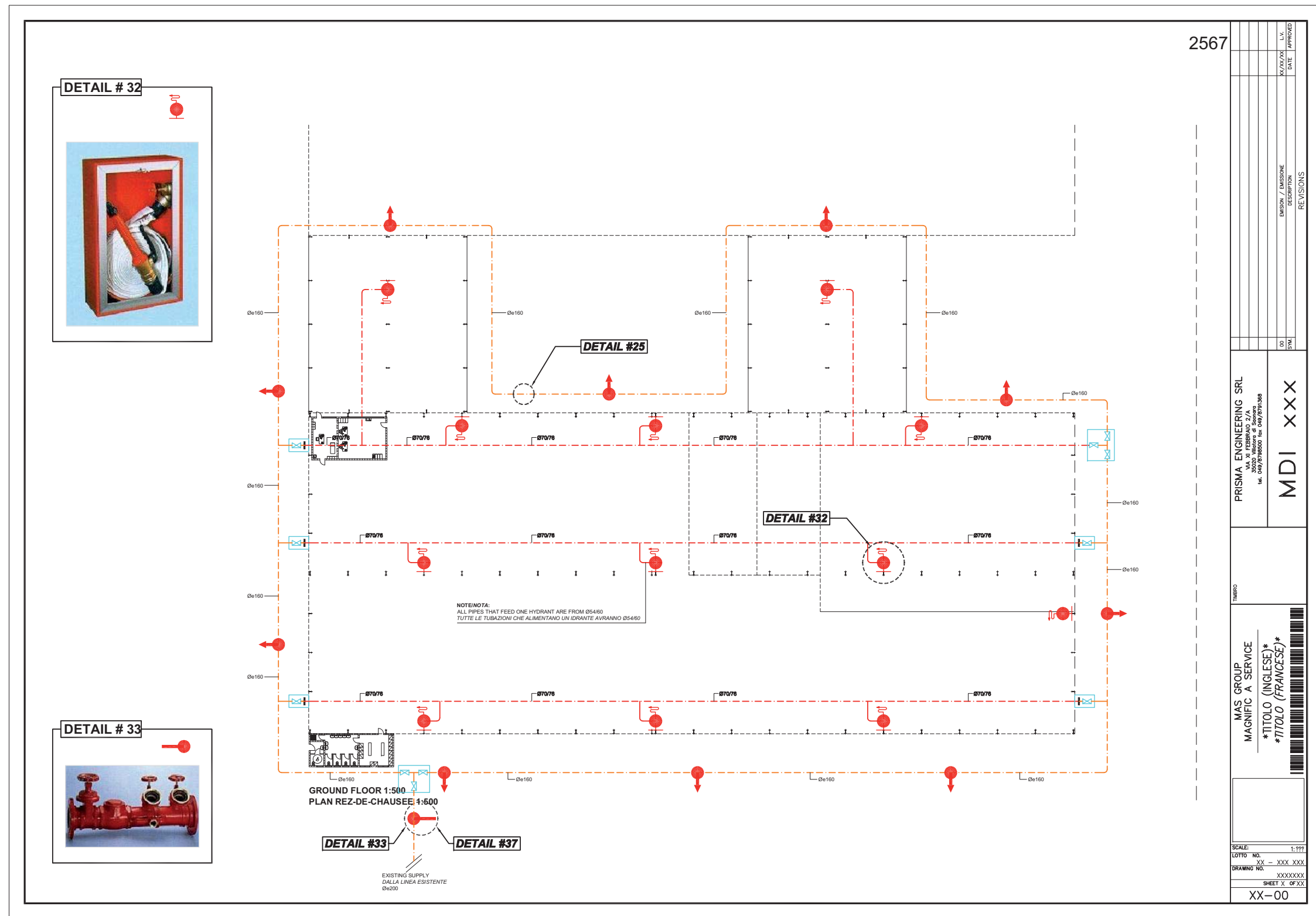
SHEET X OF XX

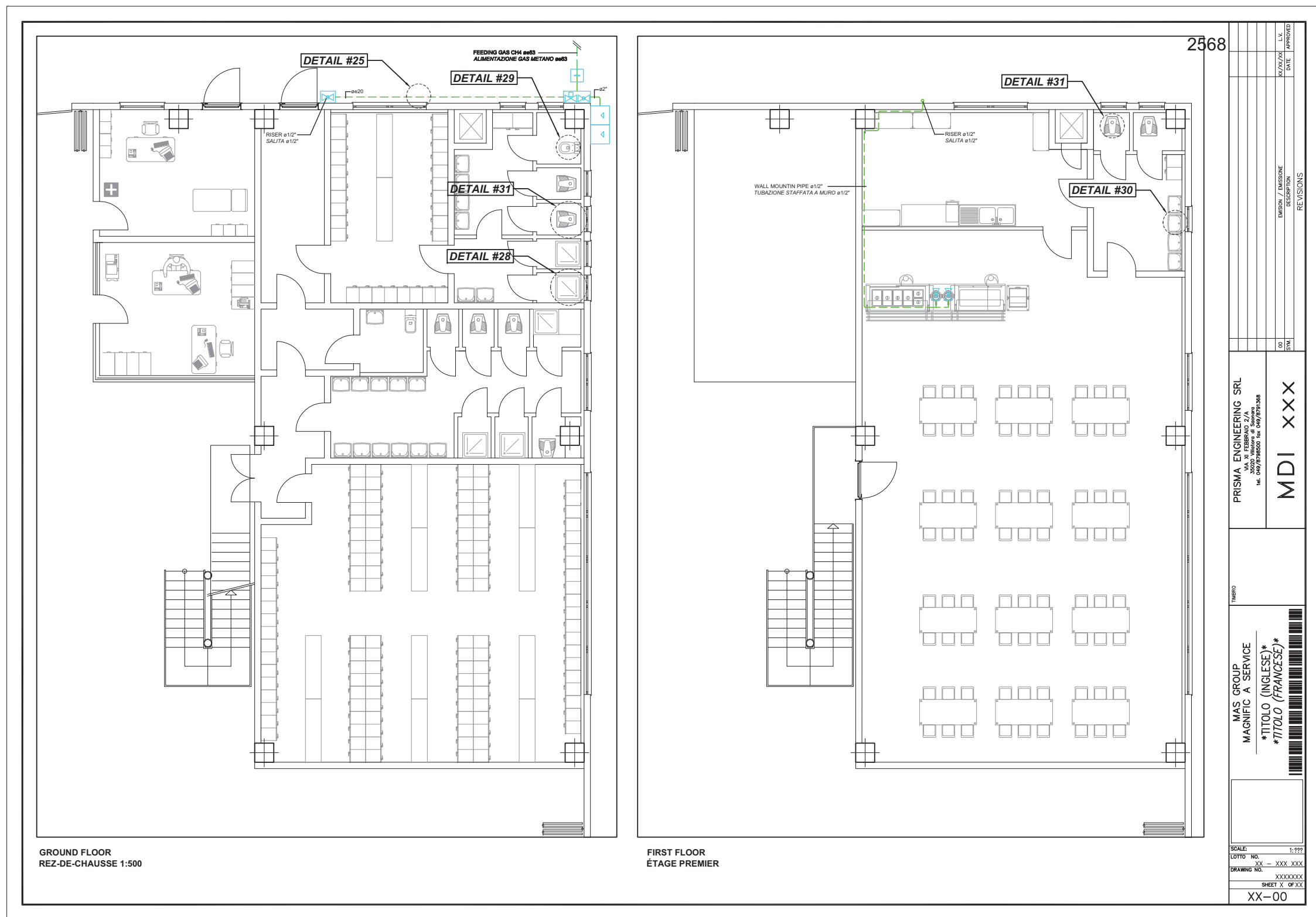
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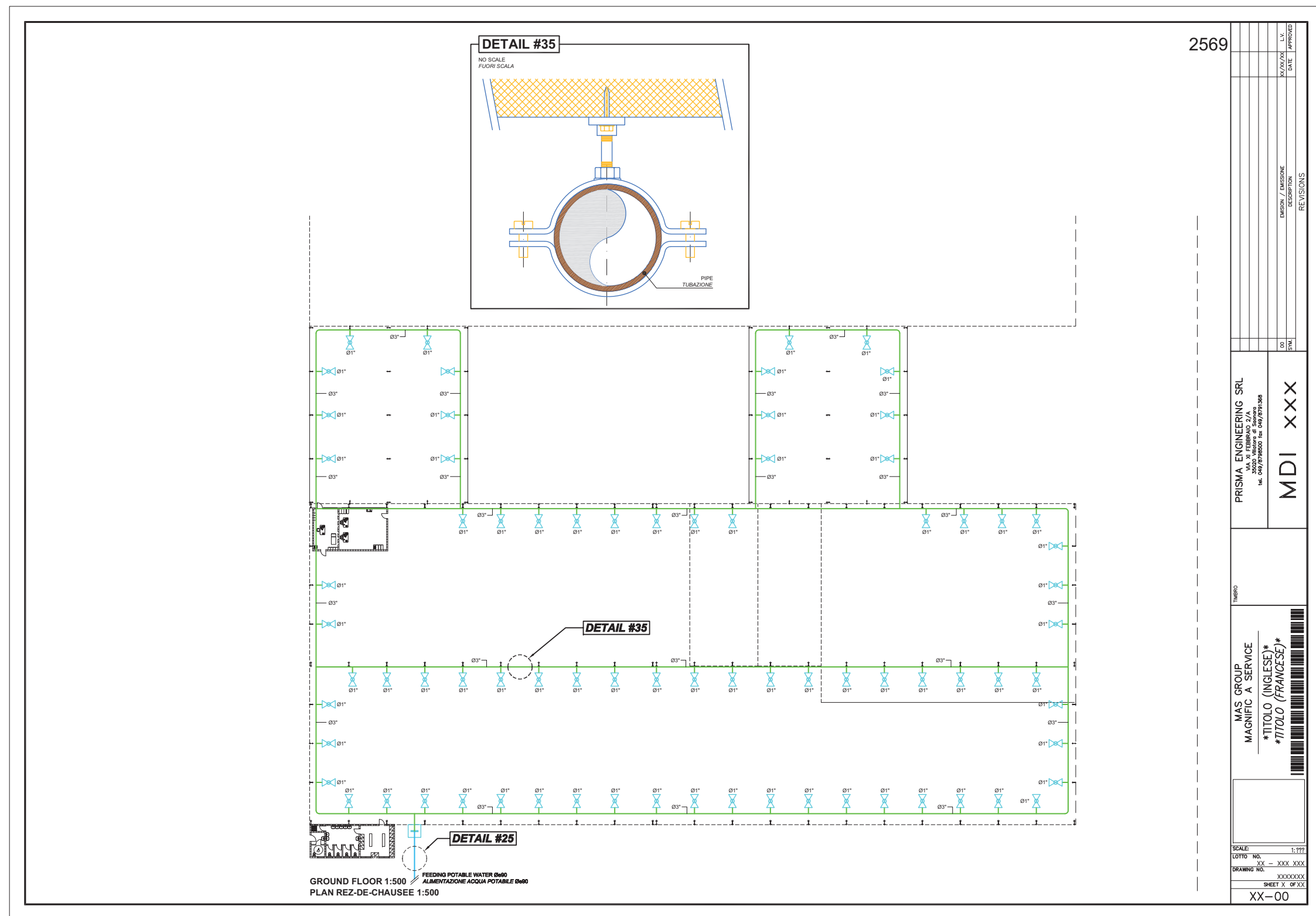


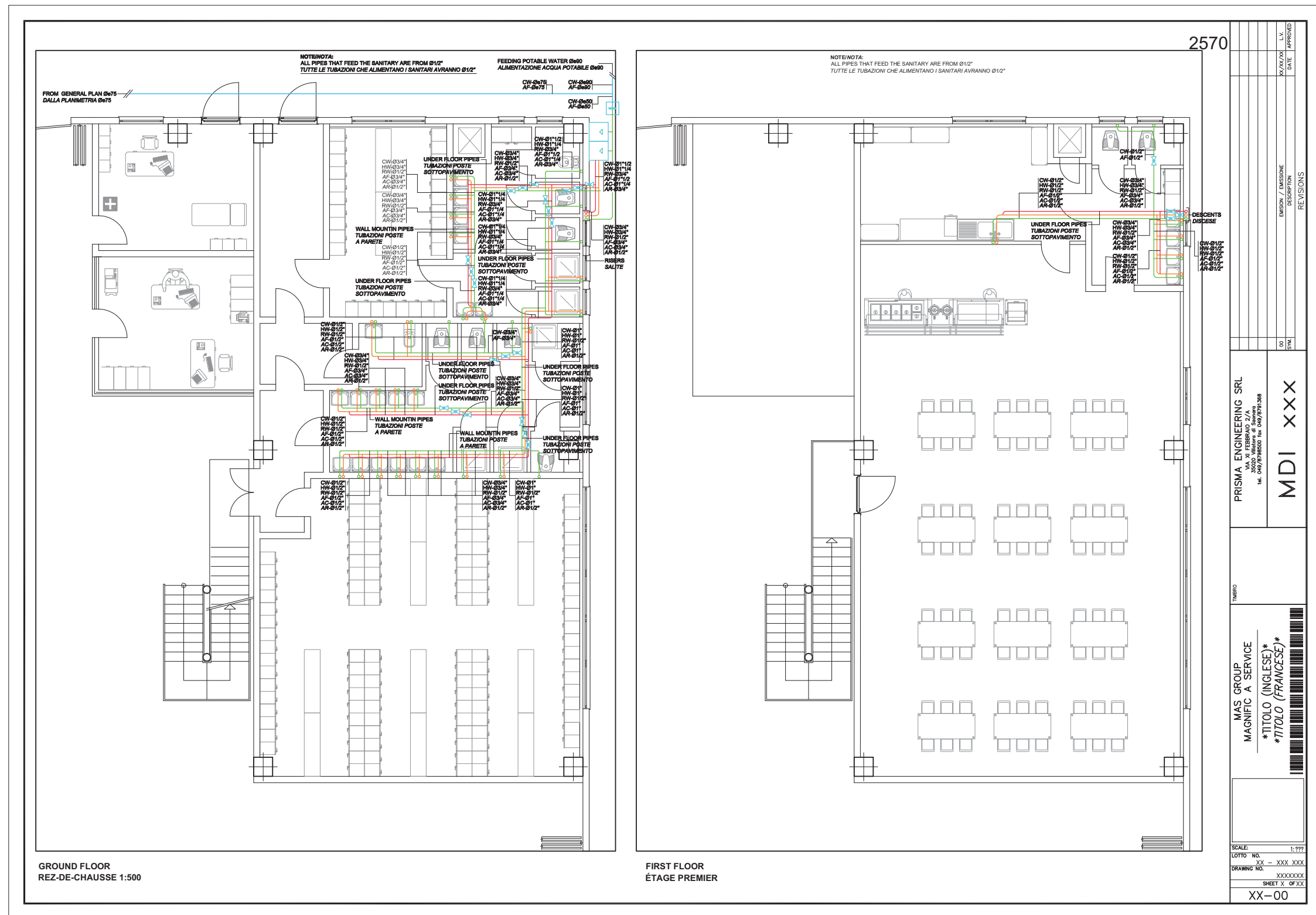


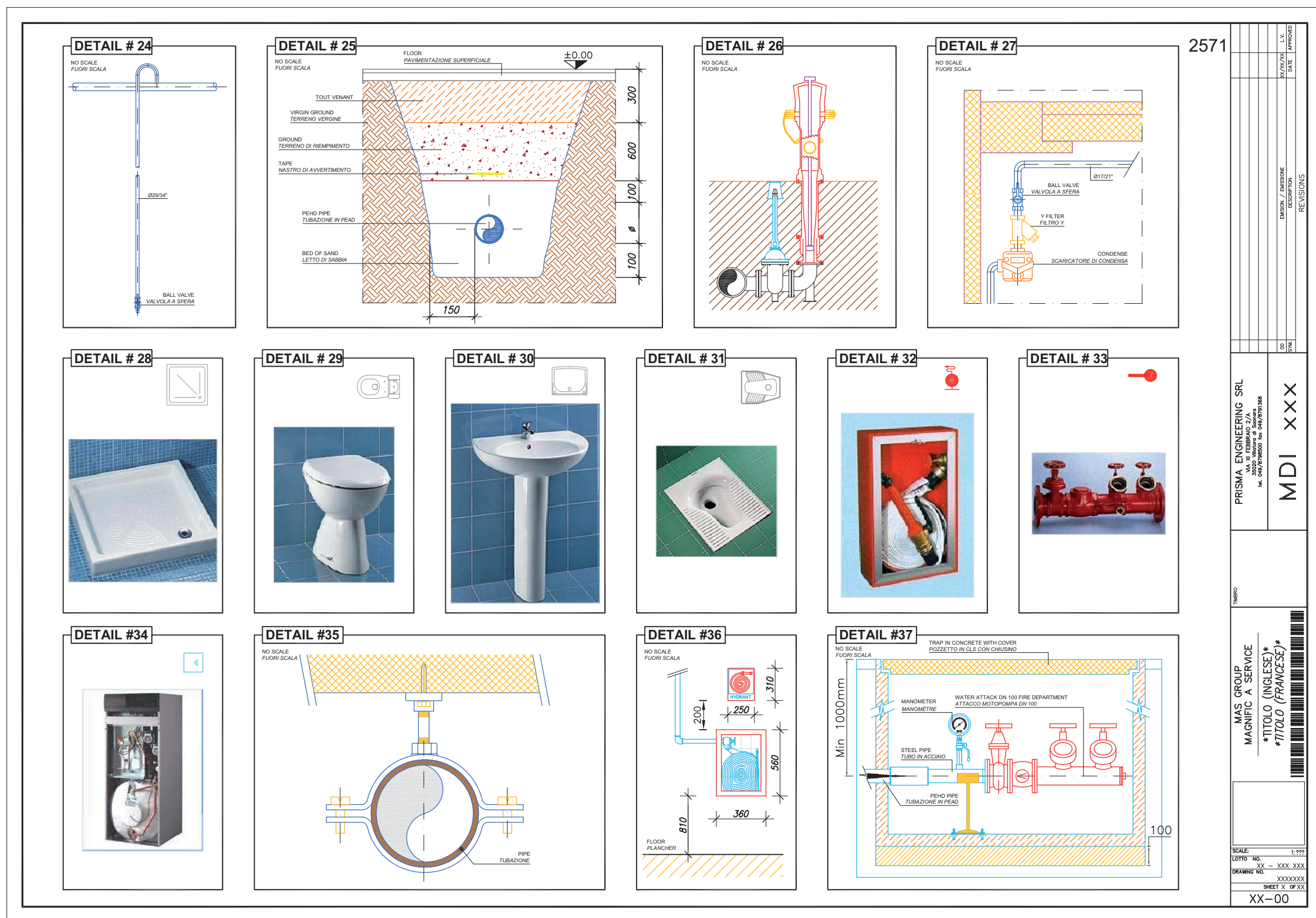




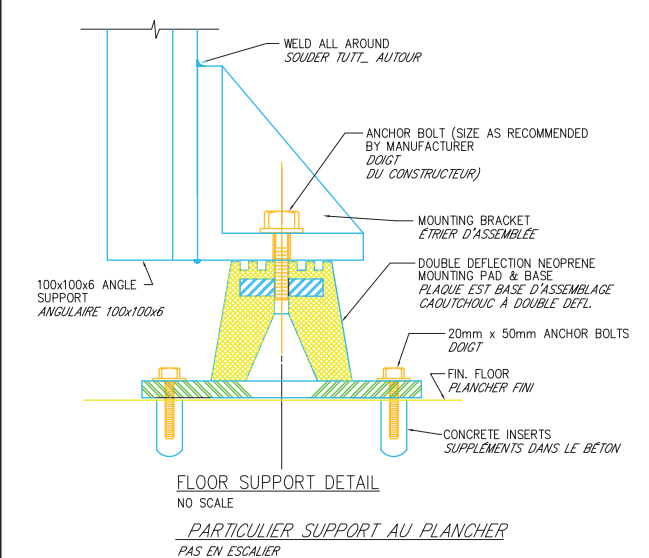




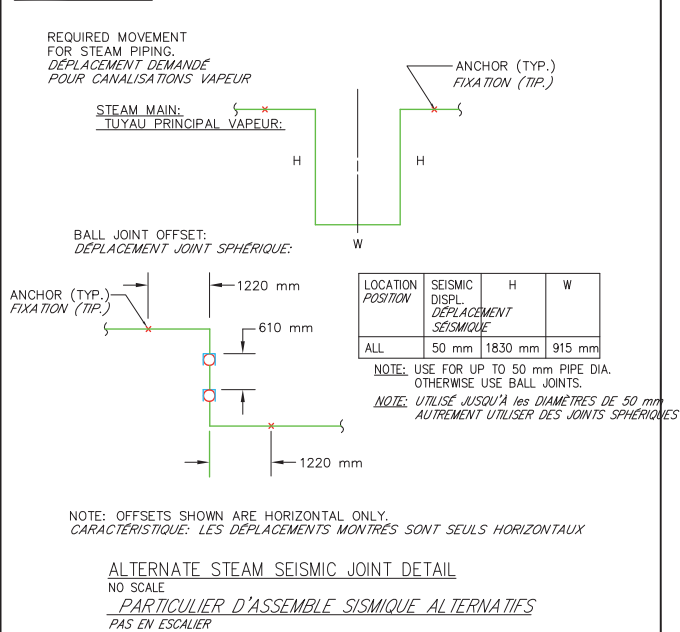




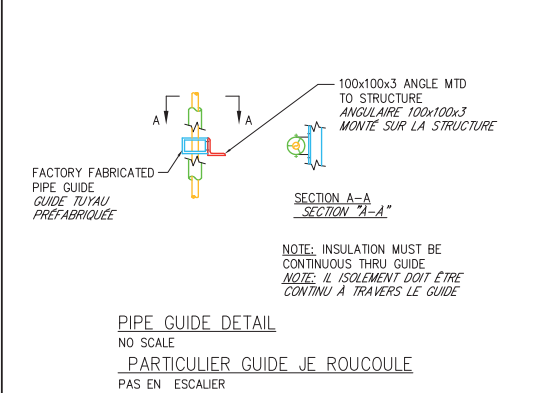
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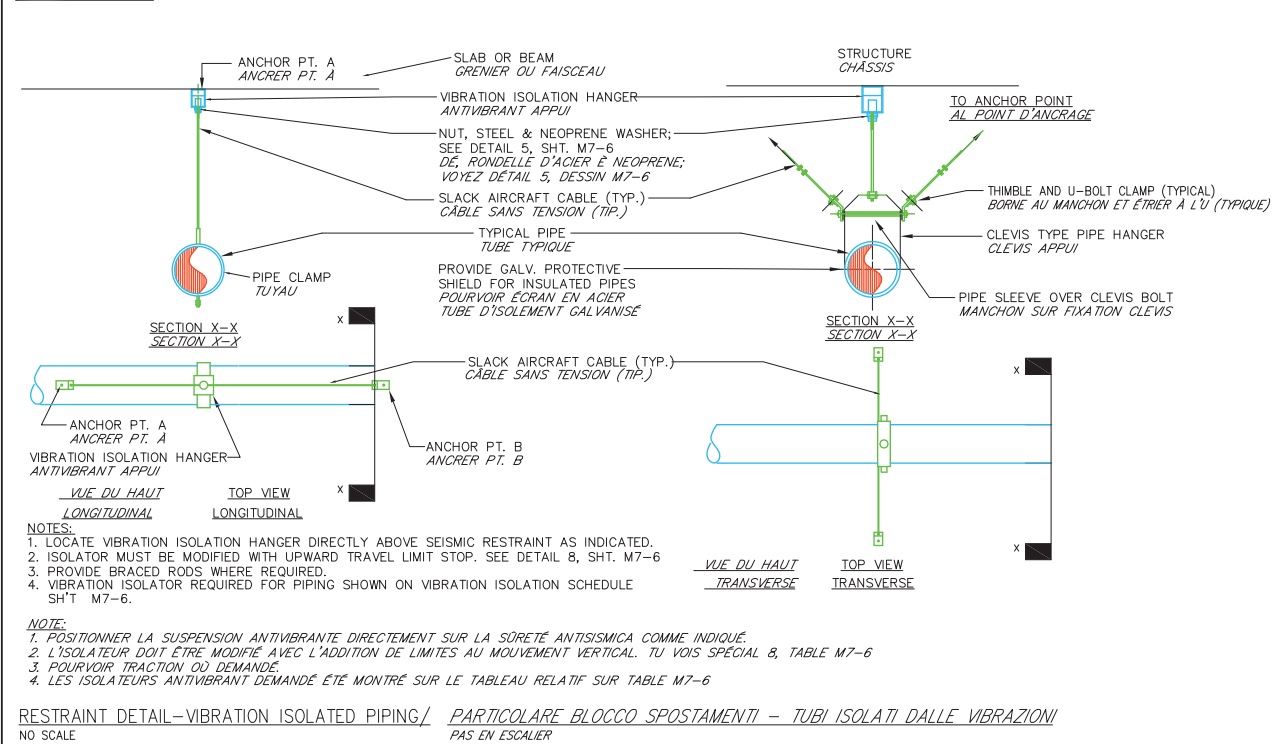
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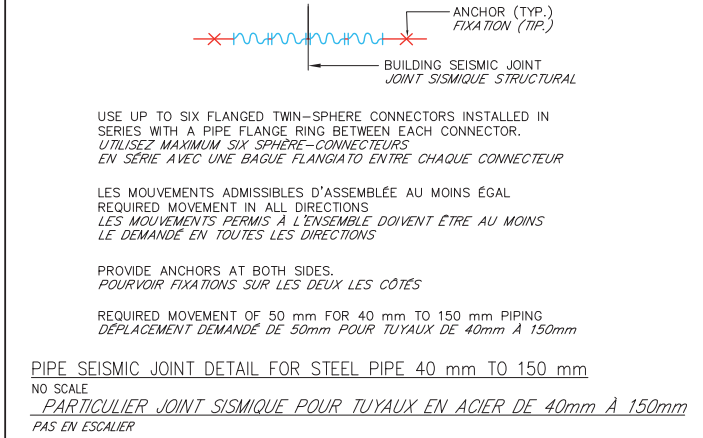
DETAIL # 2



DETAIL # 5



DETAIL # 3



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PRIMA ENGINEERING SRL
Via V.le dell'Industria, 10
30020 Vigonovo di Padova
tel. 049/8798500 fax 049/8791368

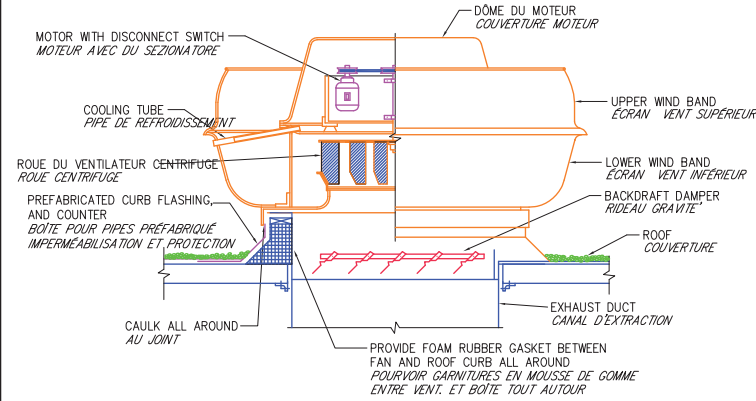
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MAS GROUP
MAGNIFIC A SERVICE
TITOLO (INGLESE)
TITOLO (FRANCESE)

SCALE: 1:100
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SHEET X OF XX
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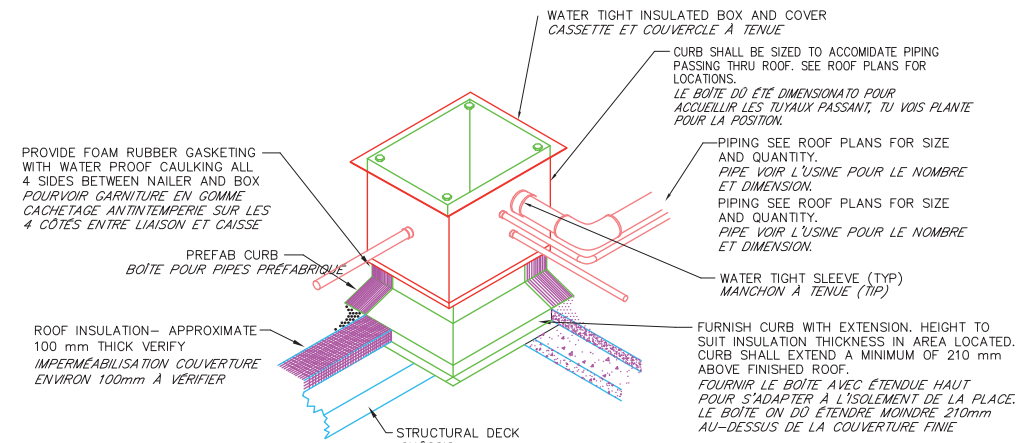


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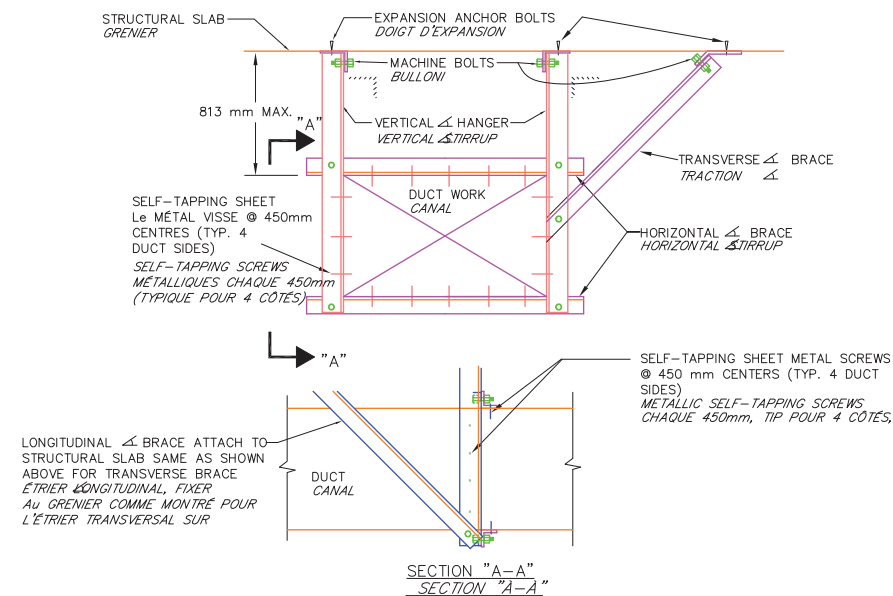
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PARTICULIER EXTRACTEUR AU JET VERTICAL
PAS EN ESCALIER

DETAIL # 13



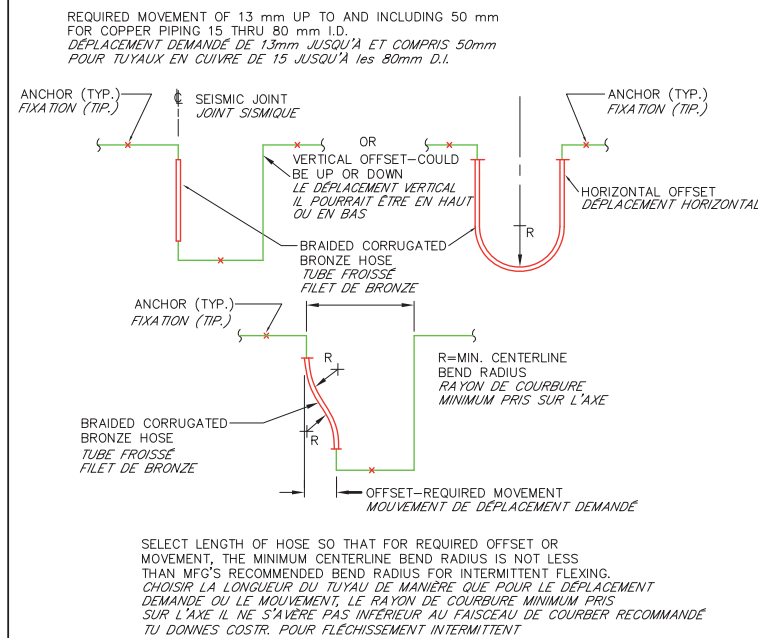
PIPE CURB DETAIL
NO SCALE
PARTICULIER REVENU TUBES
PAS EN ESCALIER

DETAIL # 14



LATERAL RESTRAINT DETAIL-DUCTWORK
NO SCALE
PARTICULIER RESTRICTION LATÉRAL - CANAUX
PAS EN ESCALIER

DETAIL # 15



SEISMIC JOINT DETAIL FOR COPPER PIPING 15 THRU 80 mm I.D.
NO SCALE
S SPÉCIAL JOINT SISMIQUE POUR TUYAUX DE CUIVRE DE 15 Aux 80 mm D.I.
PAS EN ESCALIER

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PRIMA ENGINEERING SRL
Via V.le dell'Industria, 1
30020 Vidor (PD) - Italy
Tel. 049/8798500 Fax 049/7791368

MDI XXX

MAS GROUP
MAGNIFIC A SERVICE

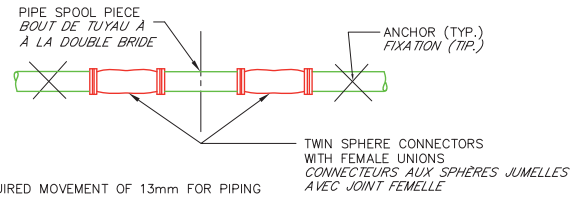
TITOLO (INGLESE)
TITOLO (FRANCESE)



SCALE: 1:100
LOTTO NO. XX - XXX XXX
DRAWING NO. XXXXXXX
SHEET X OF XX
XX-00



DETAIL # 16

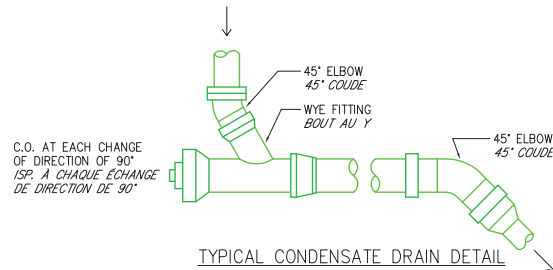


REQUIRED MOVEMENT OF 13mm FOR PIPING
50mm AND SMALLER
DÉPLACEMENT DEMANDÉ DE 13mm
POUR TUYAUX DE 50mm ET INFÉRIEURS

SEISMIC JOINT DETAIL FOR STEEL PIPE 50 mm & SMALLER
NO SCALE

PARTICULIER JOINT SISMIQUE POUR TUYAUX EN ACIER DE 50mm ET INFÉRIEURS
PAS EN ESCALIER

DETAIL # 18

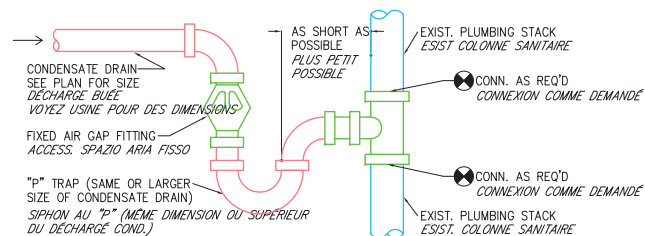


C.O. AT EACH CHANGE
OF DIRECTION OF 90°
*ISP. À CHAQUE ÉCHANGE
DE DIRECTION DE 90°*

TYPICAL CONDENSATE DRAIN DETAIL
NO SCALE

PARTICULIER TYPIQUE DÉCHARGE BUÉE
PAS EN ESCALIER

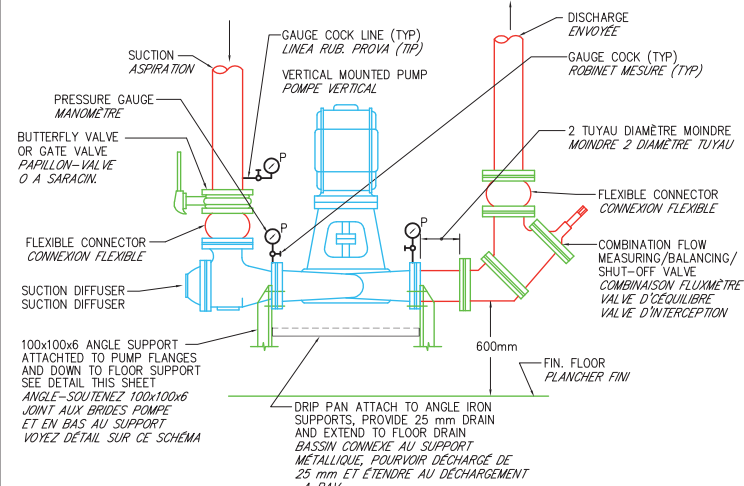
DETAIL # 20



CONDENSATE DRAIN CONNECTION @ AIR GAP & STACK DETAIL
NO SCALE

CONNEXION DÉCHARGÉ CONDENSE AVEC PLACE È PART. COLONNE
PAS EN ESCALIER

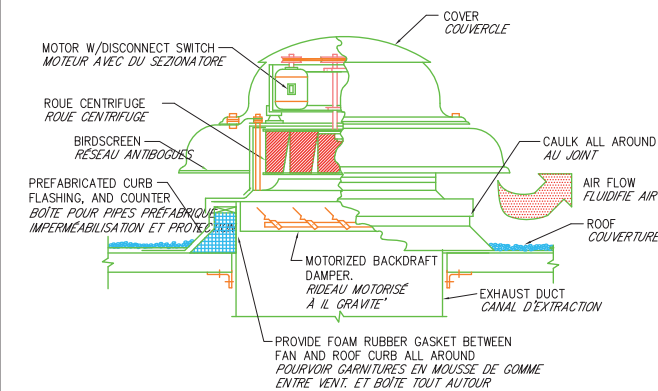
DETAIL # 17



TYPICAL VERTICAL MOUNTED PUMP DETAIL
NO SCALE

PARTICULIER TYPIQUE POMPE À L'ASSEMBLAGE VERTICAL
PAS EN ESCALIER

DETAIL # 19



TYPICAL POWER ROOF VENTILATOR DETAIL

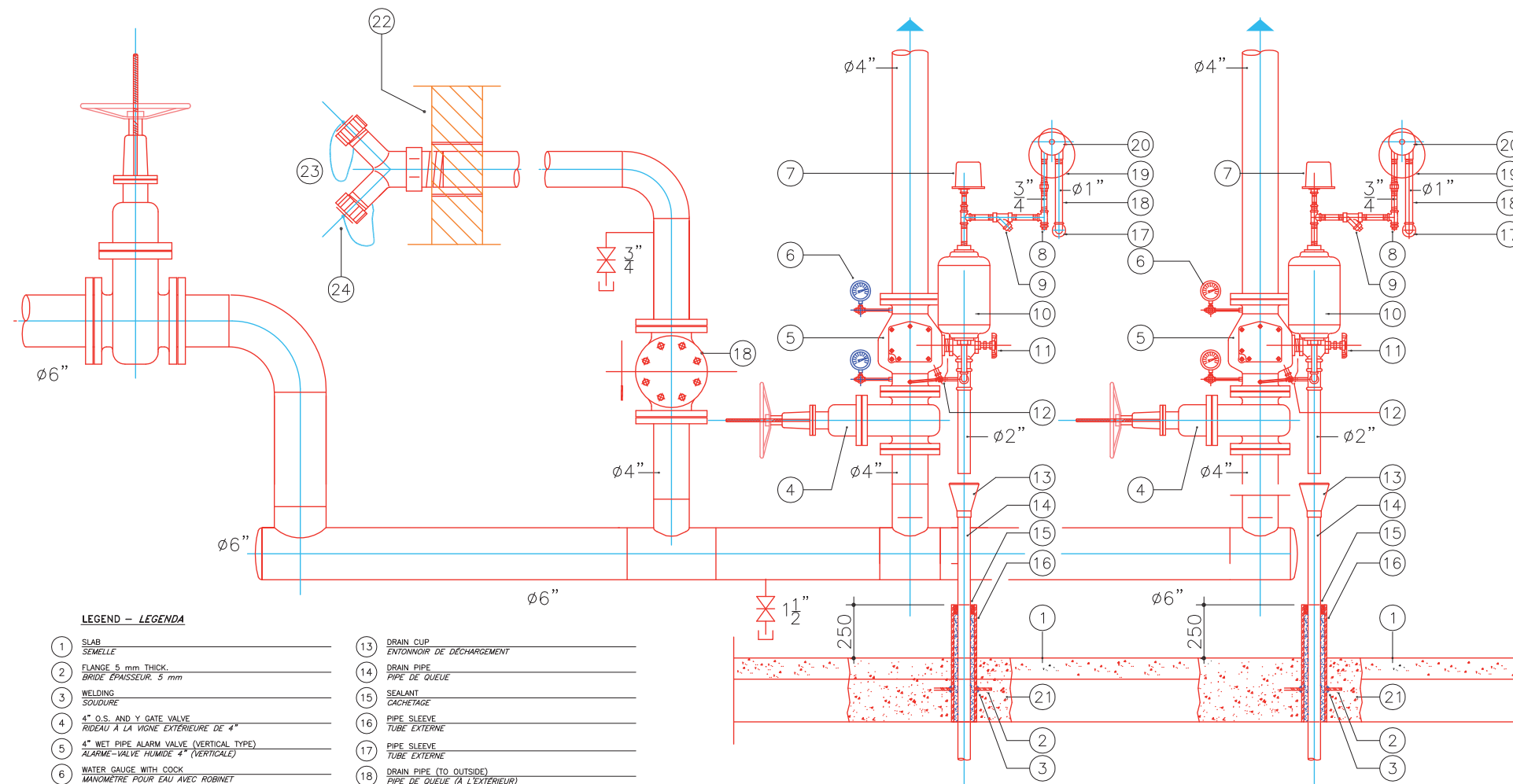
NO SCALE
PARTICULIER TYPIQUE VENTILATEUR
PAS EN ESCALIER

2574

[illegible]

2575

DETAIL # 21



LEGEND - LEGENDA

- | | |
|--|--|
| 1 SLAB
SEMELLE | 13 DRAIN CUP
ENTONNOIR DE DÉCHARGEMENT |
| 2 FLANGE 5 mm THICK
BRIDE ÉPAISSEUR 5 mm | 14 DRAIN PIPE
PIPE DE QUEUE |
| 3 WELDING
SOUDURE | 15 SEALANT
CACHETAGE |
| 4 4" O.S. AND Y GATE VALVE
RIDEAU À LA VIGNE EXTÉRIEURE DE 4" | 16 PIPE SLEEVE
TUBE EXTERNE |
| 5 4" WET PIPE ALARM VALVE (VERTICAL TYPE)
ALARME-VALVE HUMIDE 4" (VERTICALE) | 17 PIPE SLEEVE
TUBE EXTERNE |
| 6 WATER GAUGE WITH COCK
MANOMÈTRE POUR EAU AVEC ROBINET | 18 DRAIN PIPE (TO OUTSIDE)
PIPE DE QUEUE (À L'EXTÉRIEUR) |
| 7 PRESSURE SWITCH
SONDE DE PRESSION D'ALARME | 19 GONG
CLOCHE D'ALARME |
| 8 PLUG
STOPPER | 20 WATER MOTOR
MOTEUR HYDRAULIQUE |
| 9 STRAINER
RAMASSEUR D'IMPURETÉ | 21 NON SHRINKING GROUT
ANTIRETRAIT MALTE |
| 10 RETARD CHAMBER
CHAMBRE DE RETARD | 22 EXTERIOR WALL SURFACE
PART EXTÉRIEUR MUR |
| 11 2" ANGLE VALVE (MAIN DRAIN VALVE)
SQUARE-VALVE 2" (VALVE PRINCIPALE DE DRAINAGE) | 23 4"x2-1/2"x2-1/2" FIRE DEPARTMENT CONNECTION
ATTACHE ANTIFEU 4"x2-1/2"x2-1/2" |
| 12 ALARM TEST TRIM
DISPOSITIFS DE CONTRÔLE ET ALARME | 24 CAP AND CHAIN
TAQUET ET CHAÎNE |

ALARM VALVE ASSEMBLY
WET PIPE

GROUPE SOUPAPE D'ALARME
MODÈLE HUMIDE

NOT TO SCALE

PAS EN ESCALIER

PRISMA ENGINEERING SRL

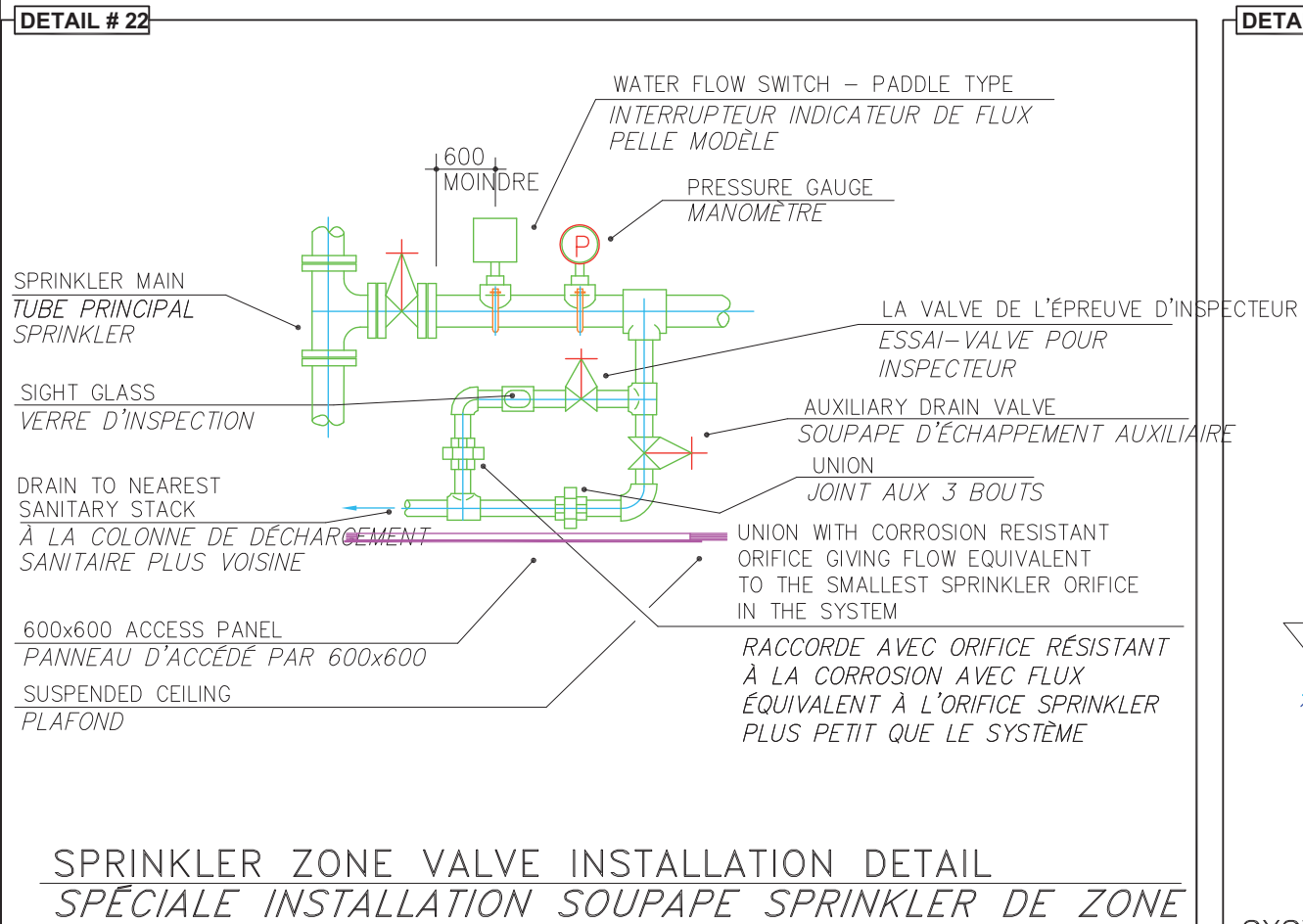
PRISMA ENGINEERING SRL
30020 Vidorio di Sarnano
tel. 049/8798500 fax 049/8791368

MDI XXX

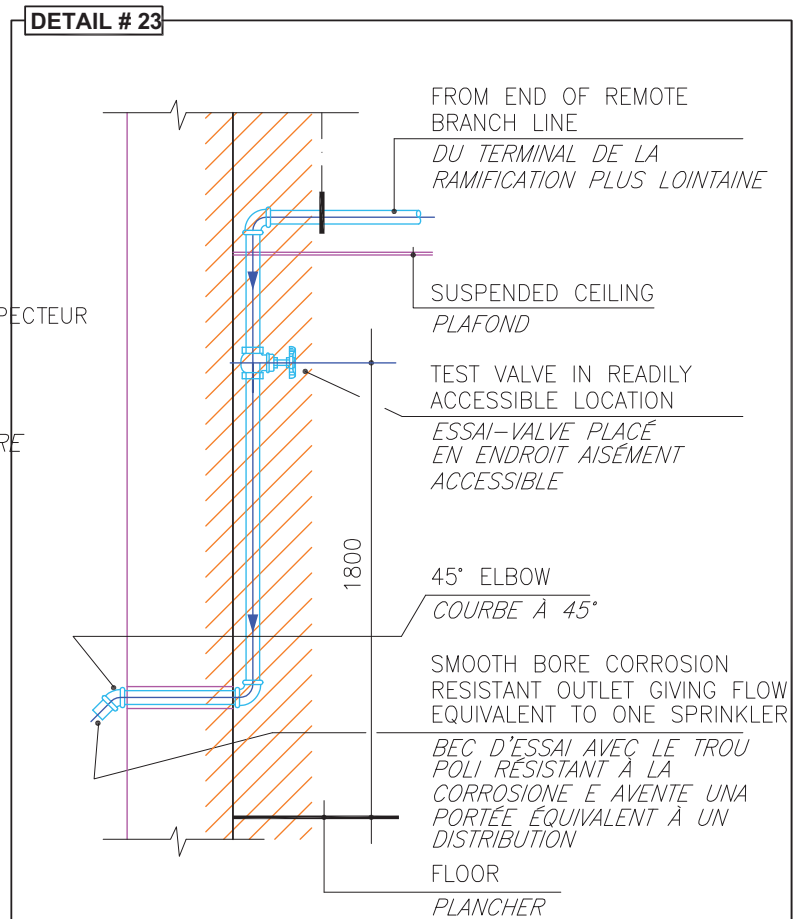
MAS GROUP
MAGNIFIC A SERVICE

MAGNIFIC A SERVICE
TITOLO (INGLESE)
TITOLO (FRANÇAISE)

SCALE: 1:100
LOTTO NO. XX - XXX XXX
DRAWING NO. XXXXXXX
SHEET X OF XX
XX-00

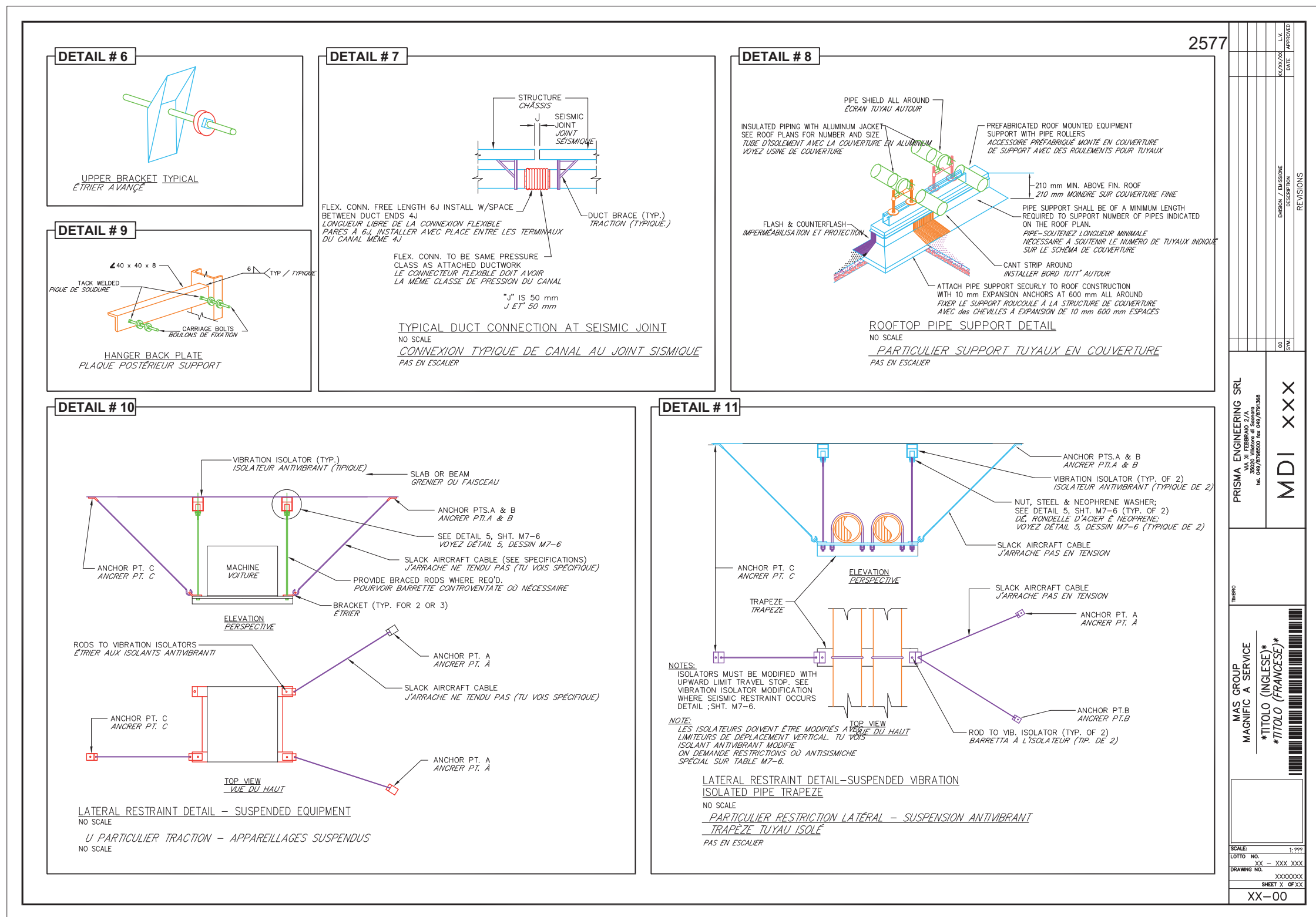
SPRINKLER ZONE VALVE INSTALLATION DETAIL SPÉCIALE INSTALLATION SOUPAPE SPRINKLER DE ZONE



SYSTEM TEST CONNECTION DETAIL
SPÉCIALE LIAISON POUR PREUVE

2576

[illegible]

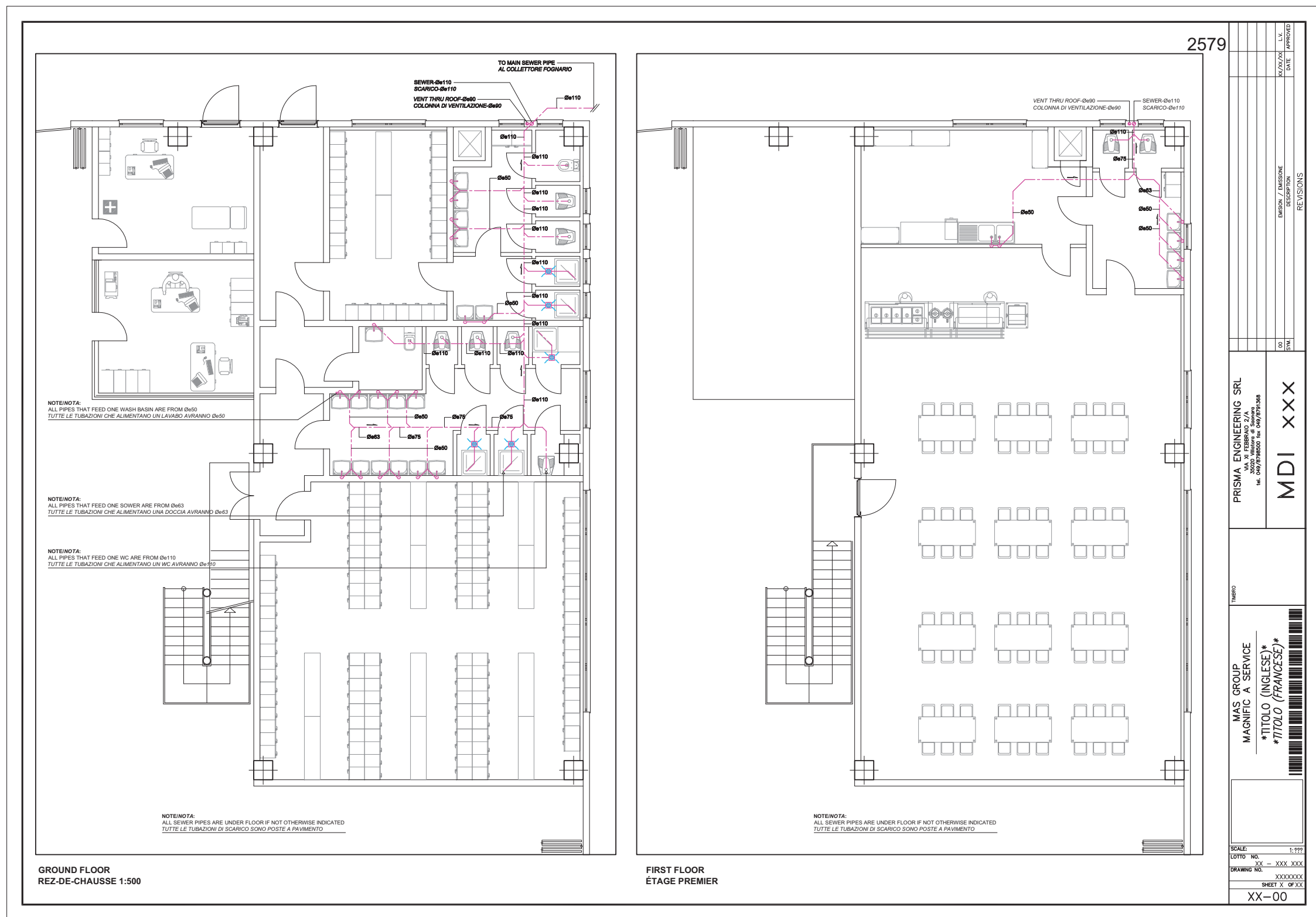


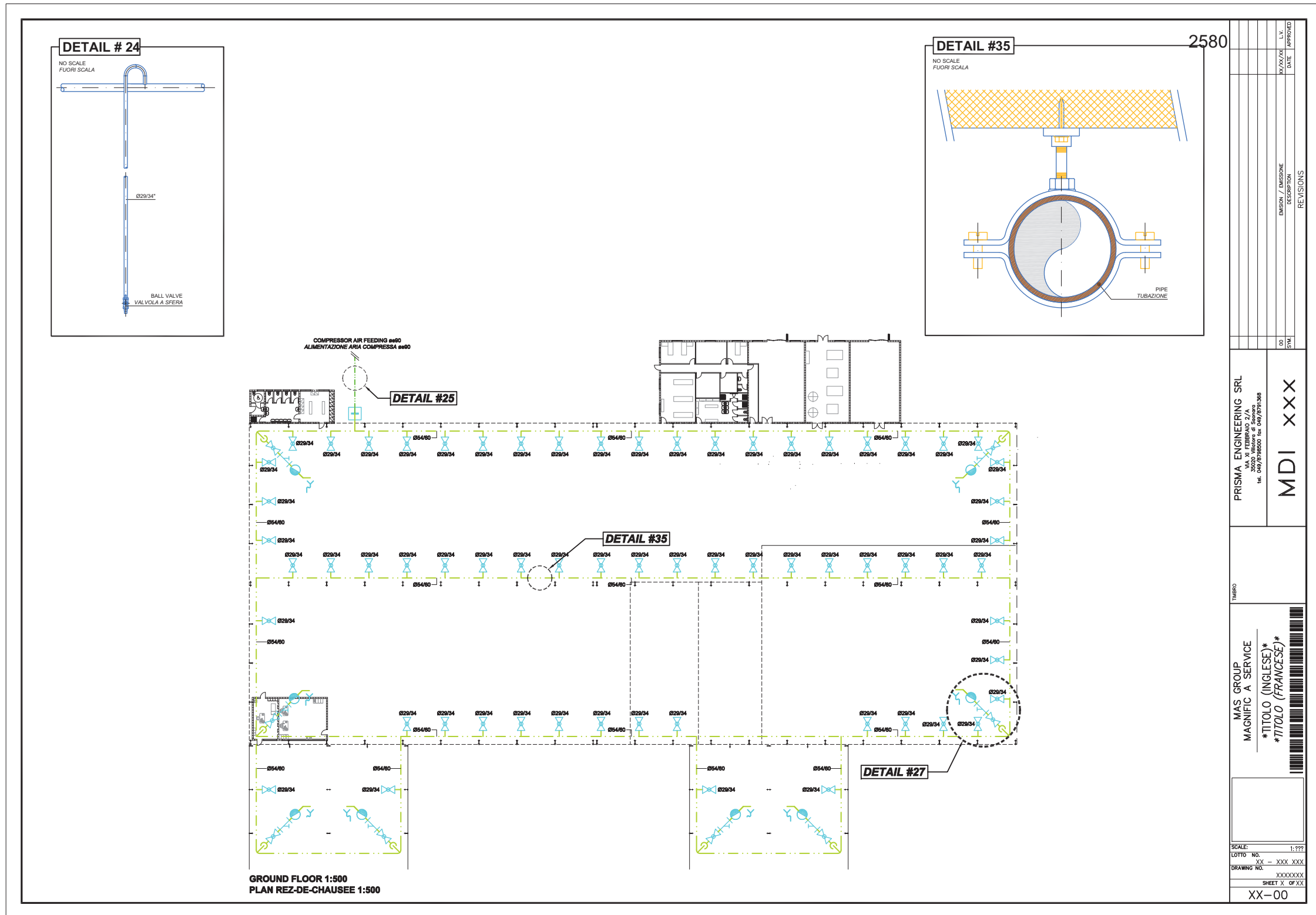
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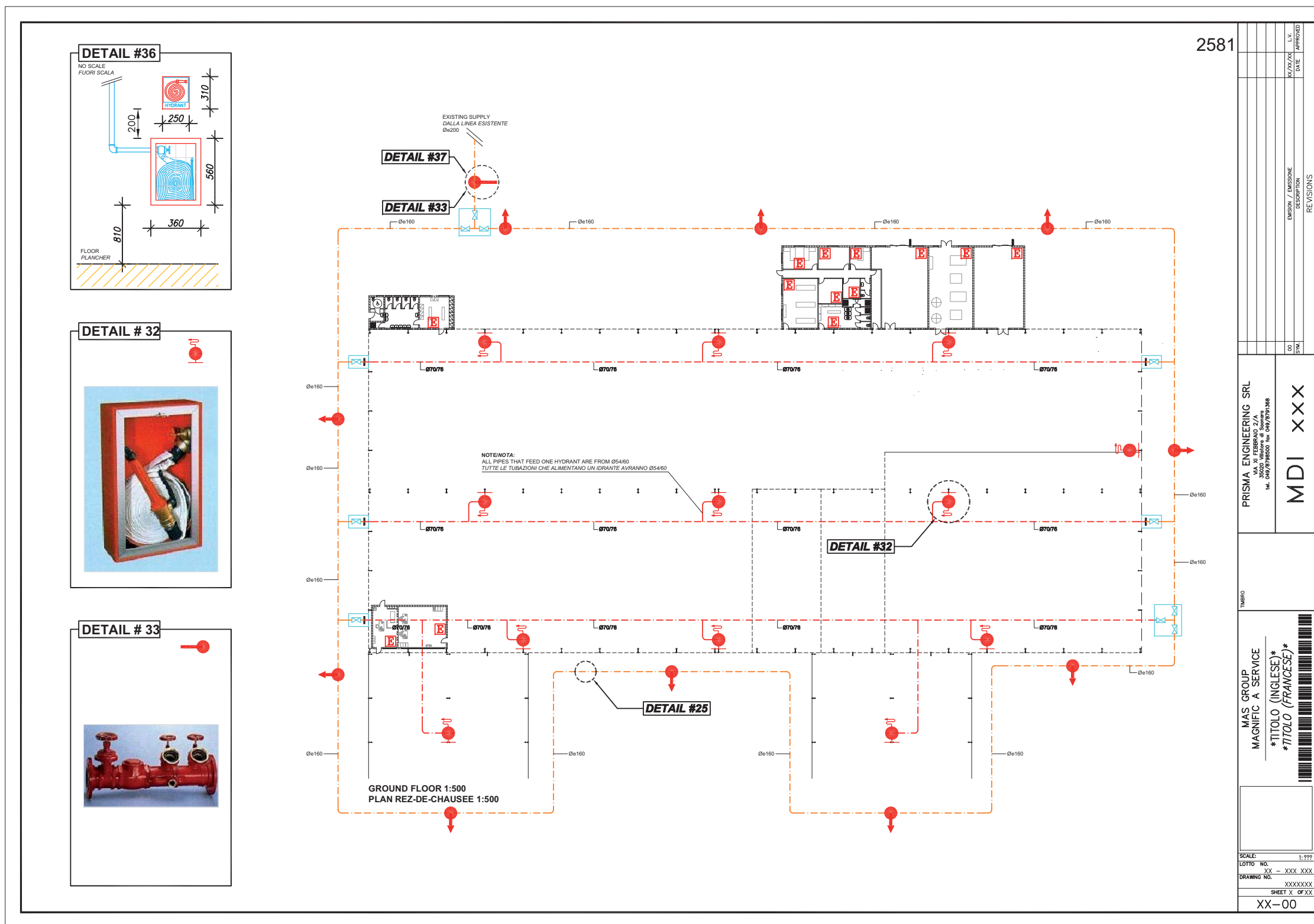
LÉGENDE

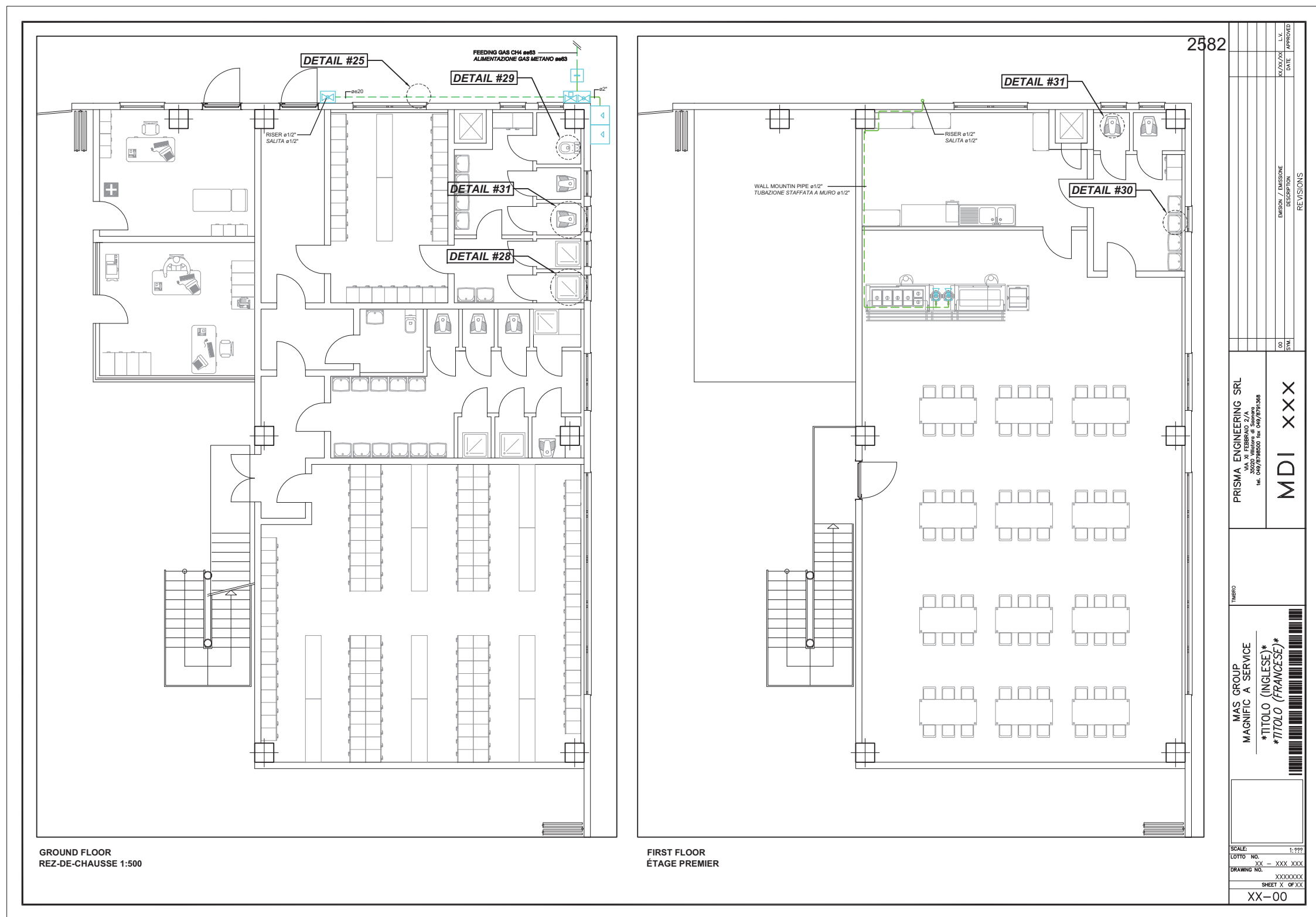
Symbol	Description	Symbol	Description
	PEHD PIPE HOT WELDED FOR SEWER TUBAZIONE IN PEAD TERMOSALDATA PER SCARICHI		FIRE EXTINGUISHER ESTINTORE A CO DA 5 kg CON CAPACITÀ ESTINGUENTE 89BC
	PVC PIPE FOR EXTERNAL SEWER TUBAZIONE IN PVC PER SCARICHI ESTERNI		FLOOR DRAIN PILETTA
	PVC PIPE FOR EXTERNAL DRAINAGE TUBAZIONE IN PVC PER DRENAGGI ESTERNI		SEWER SCARICO
	PEHD PIPE HOT WELDED FOR COMPRESSED AIR TUBAZIONE IN PEAD TERMOSALDATA PER ARIA COMPRESSA		VENT THRU ROOF COLONNA DI VENTILAZIONE
	STEEL BLACK PIPE EN 10220 SS FOR COMPRESSED AIR TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ARIA COMPRESSA		STORAGE BOILER CALDAIA CON ACCUMULO
	PEHD PIPE HOT WELDED FOR FIRE FIGHTING SYSTEM TUBAZIONE IN PEAD TERMOSALDATA PER ANTINCENDIO		BALL VALVE VALVOLA A SFERA
	STEEL BLACK PIPE EN 10220 SS FOR FIRE FIGHTING SYSTEM TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ANTINCENDIO		AUTOMATIC BLOCK VALVE, NORMALLY CLOSED ELETTROVALVOLA DI INTERCETTAZIONE, NORMALMENTE CHIUSA
	PEHD PIPE HOT WELDED UNI ISO 4437 FOR GAS CH4 TUBAZIONE IN PEAD TERMOSALDATA UNI ISO 4437 PER GAS METANO		AUTOMATIC CONDENS DRAINAGE GRUPPO DI DRENAGGIO AUTOMATICO CONDENSA DN 15
	STEEL BLACK PIPE UNI 8863 SS FOR GAS CH4 TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER GAS METANO		GATE BALL-Ø=ØPIPE-PN 16, ISPECTION TRAP IN CONCRETE, WITH COVER VALVOLE DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16 POSTA ENTRO POZZETTO CON CHIUSINO
	PEHD PIPE HOT WELDED FOR POTABLE WATER TUBAZIONE IN PEAD TERMOSALDATA PER ACQUA POTABILE		TRAP IN CONCRETE WITH COVER AND SPLICE POLYETHYLENE STEEL POZZETTO IN CLS CON CHIUSINO E GIUNZIONE POLIETILENE ACCIAIO
	STEEL BLACK PIPE UNI 8863 SS FOR POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA POTABILE		FLOOR DRAIN CADITOIA IN GHISA
	STEEL BLACK PIPE UNI 8863 SS FOR HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA CALDA POTABILE		TRAP IN CONCRETE WITH COVER, SPLICE POLYETHYLENE STEEL, GATE BALL-Ø=ØPIPE-PN 16 POZZETTO IN CLS CON CHIUSINO, GIUNZIONE POLIETILENE ACCIAIO, VALVOLA DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16
	PIPING GALVANIZED STEEL RICIRCULATION HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS ACQUA CALDA RICIRCOLO POTABILE		
	STANDPOST HYDRANT IDRANTE SOPRASSUOLO A COLONNA		
	UNI 45 FIRE HYDRANT, HOSE LENGHT 20 METERS IDRANTE UNI 45, LUNGHEZZA MANICHETTA 20 METRI		
	WATER ATTACK DN 100 FIRE DEPARTMENT ATTACCO MOTOPOMPA DN 100		
	FIRE EXTINGUISHER PORTABLE TYPE ABC 6 kg ESTINTORE PORTATILE A POLVERE DA 6 kg CLASSE 43A-233BC		

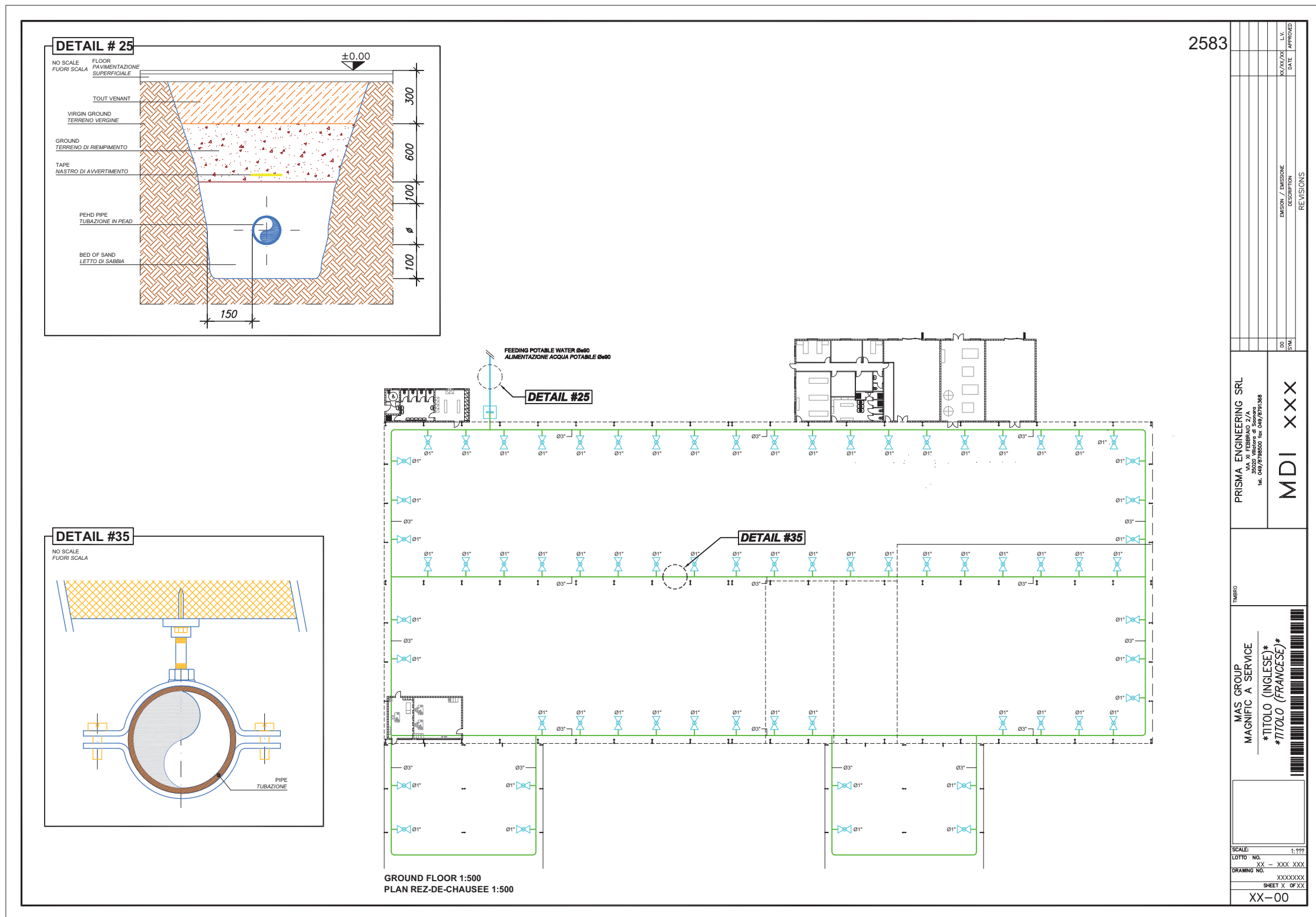
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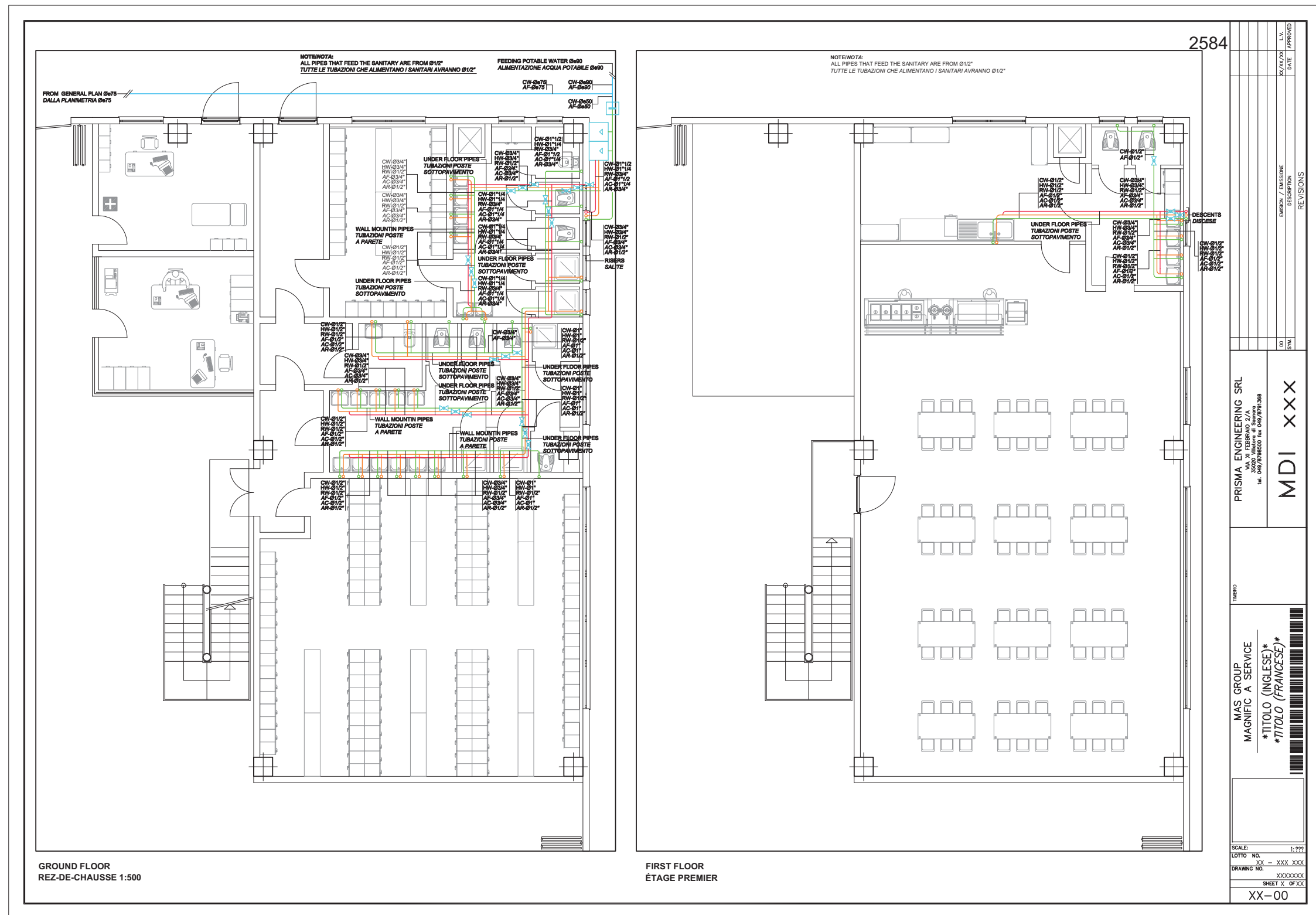


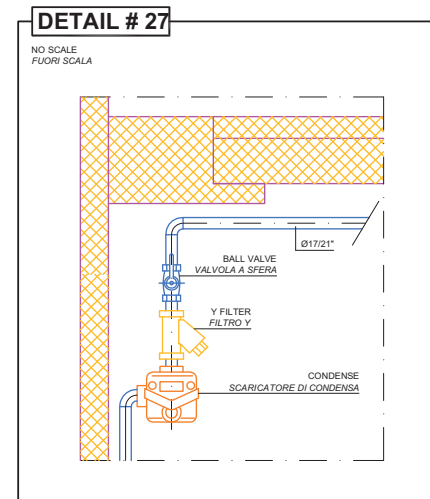
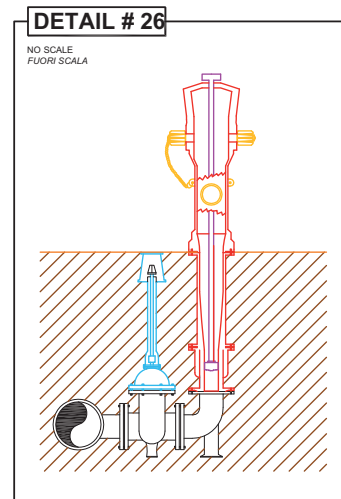
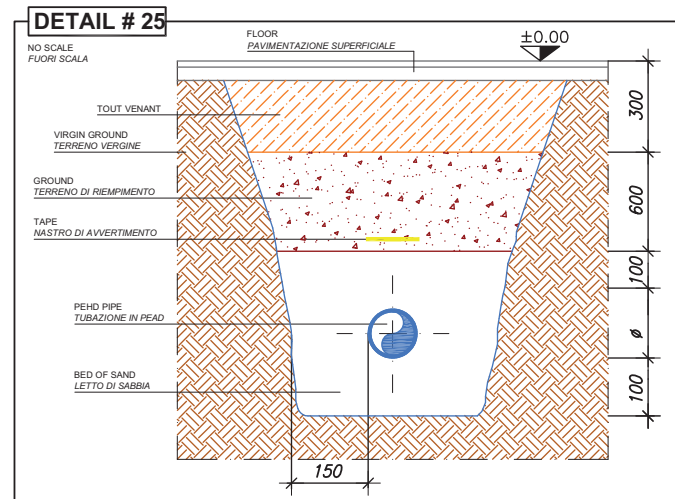
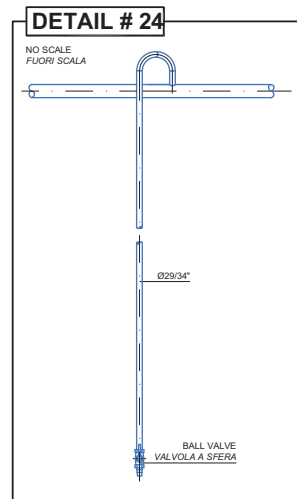




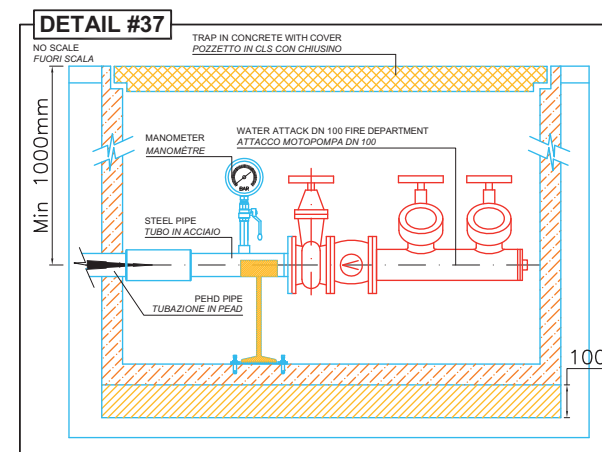
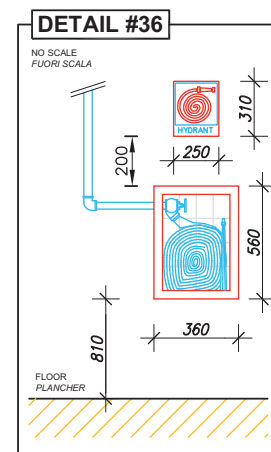
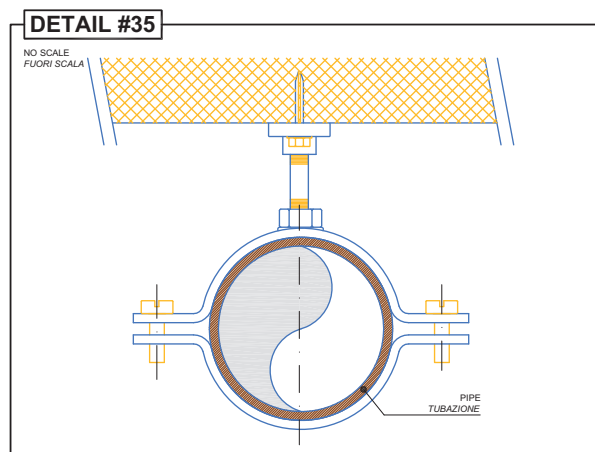
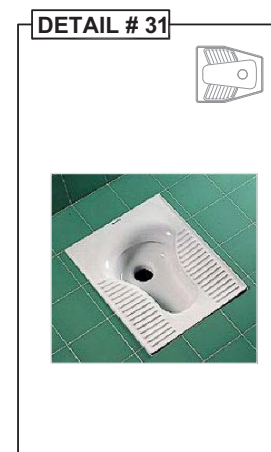






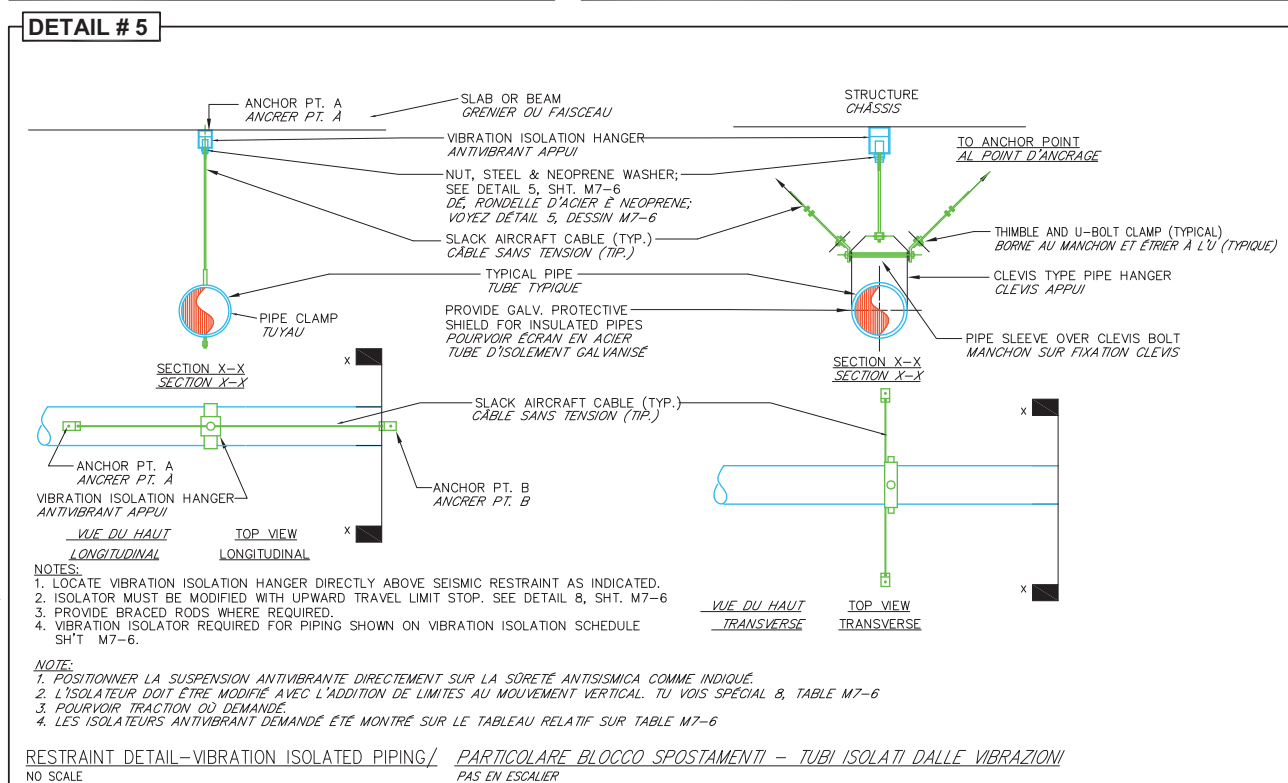
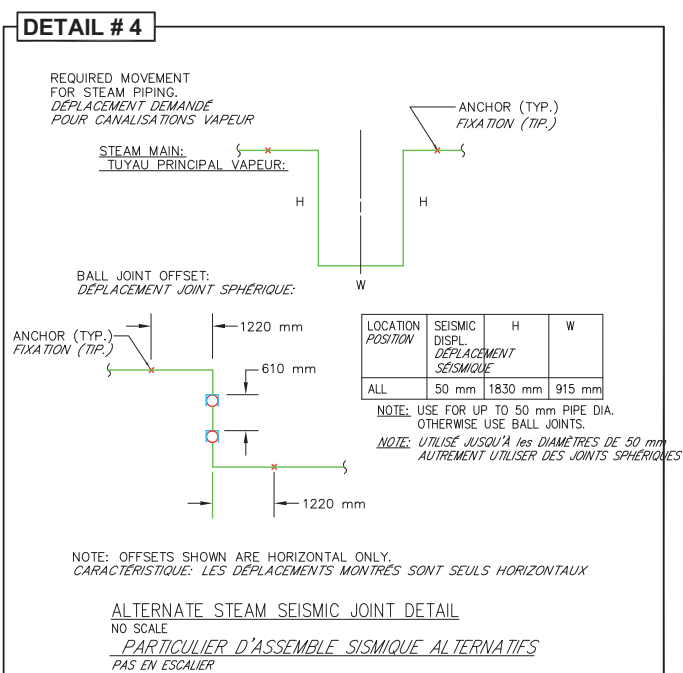
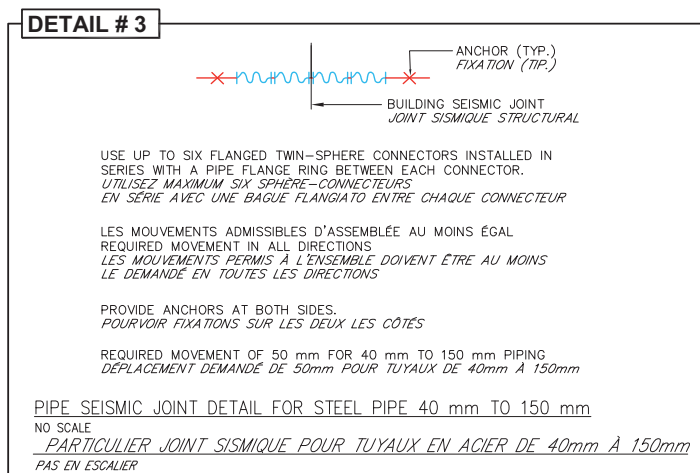
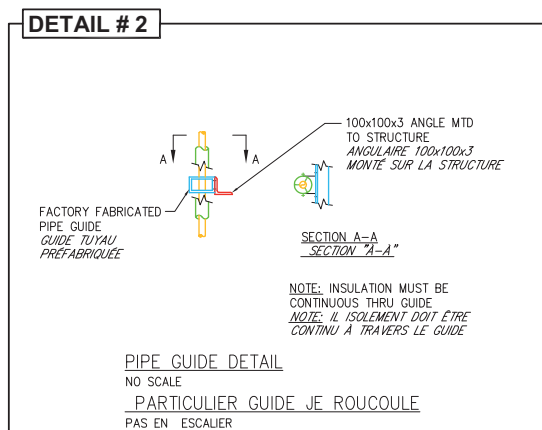
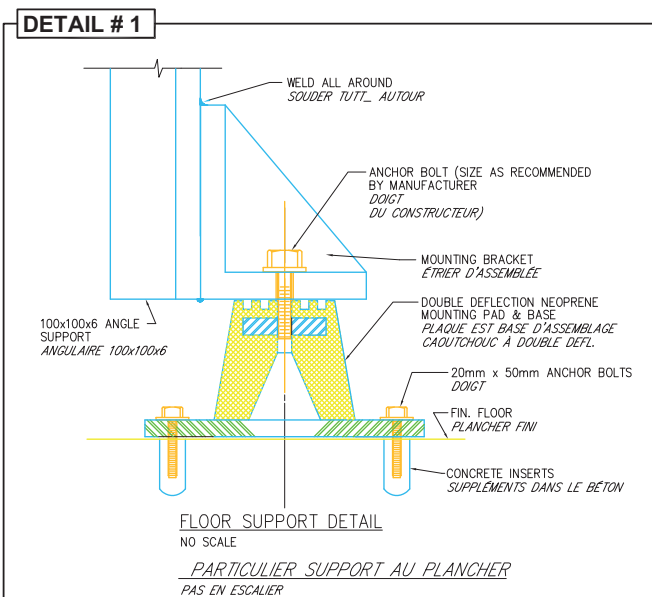


2585



MAS. GROUP MAGNIFIC A SERVICE _____ *TITOLO (INGLESE)* *TITOLO (FRANCESE)* 		PRIMA ENGINEERING SRL Via S. Maria Maddalena, 10 33020 Vestre di S. V. (UD) tel. 0461/9798500 fax 0461/9791388 MDI xxx		5	
SCALE: 1:1 LOTTO NO. XXX - XXX XX DRAWING NO. XXXXXXXX SHEET X OF X		TUBO 00 STA		EMISION / EMISIONE DESCRIZIONE DATE L.V. APPROVED	

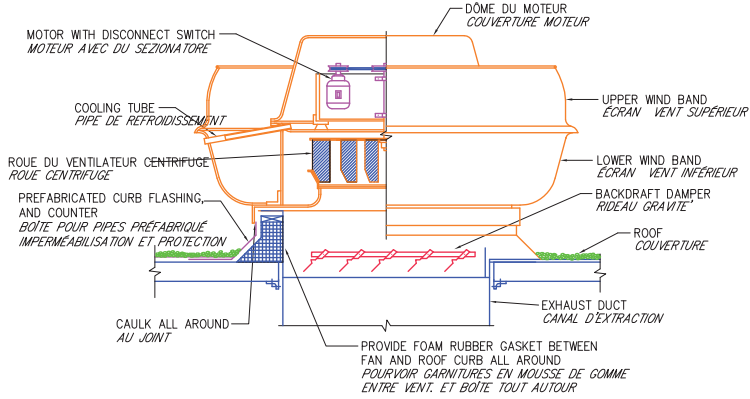




SCALE: _____ 1:2 LOTTO NO. XX - XXX XX DRAWING NO. XXXXXX SHEET X OF X		MAS GROUP MAGNIFIC A SERVICE _____ *TITOLO (INGLESE)* *TITOLO (FRANCESE)* 		TIMPRO	PRISMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 30045 Montebelluna di Montebelluna (TV) Tel. 0423/798500 Fax 0423/7991348 MDI XXX		DIMENSIONE / DIMENSIONE DECISIONI DATE APPROVATO L.V. DATA
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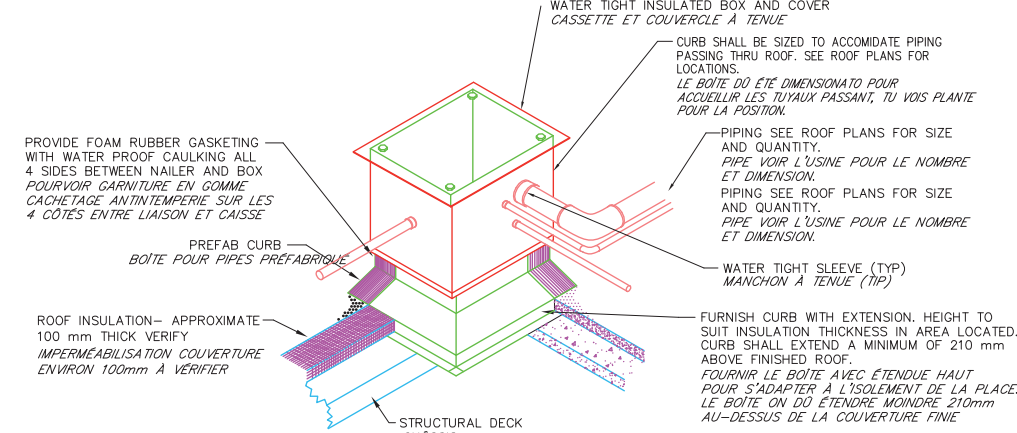


DETAIL # 12



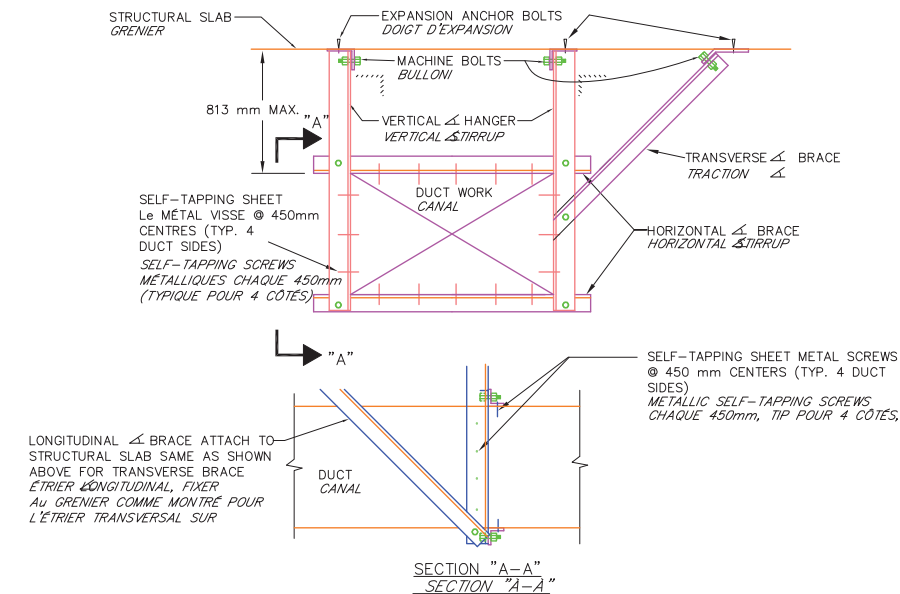
UPBLAST EXHAUST FAN DETAIL
NO SCALE
PARTICULIER EXTRACTEUR AU JET VERTICAL
PAS EN ESCALIER

DETAIL # 13



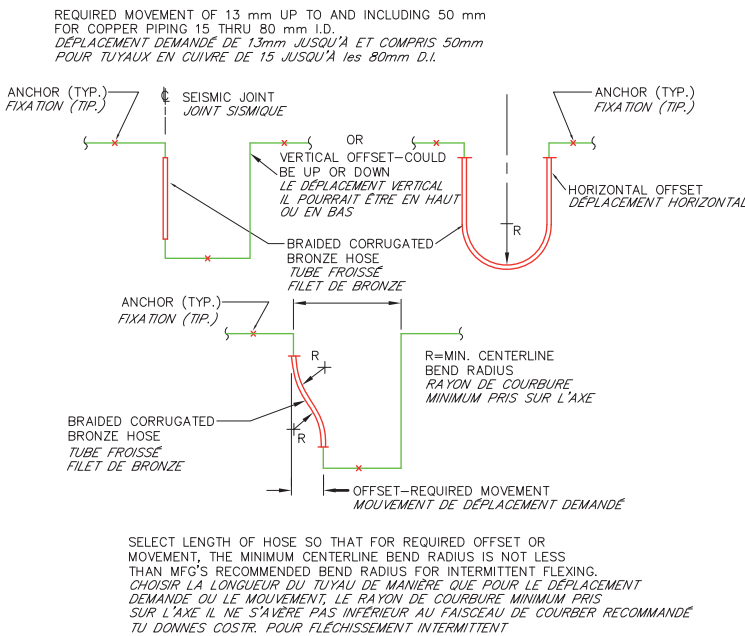
PIPE CURB DETAIL
NO SCALE
PARTICULIER REVENU TUBES
PAS EN ESCALIER

DETAIL # 14



LATERAL RESTRAINT DETAIL-DUCTWORK
NO SCALE
PARTICULIER RESTRICTION LATÉRAL - CANAUX
PAS EN ESCALIER

DETAIL # 15

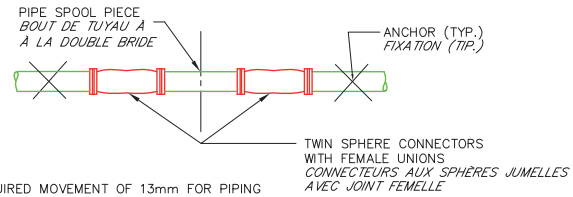


SEISMIC JOINT DETAIL FOR COPPER PIPING 15 THRU 80 mm I.D.
NO SCALE
S SPÉCIAL JOINT SISMIQUE POUR TUYAUX DE CUIVRE DE 15 Aux 80 mm D.I.
PAS EN ESCALIER

2587

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DETAIL # 16

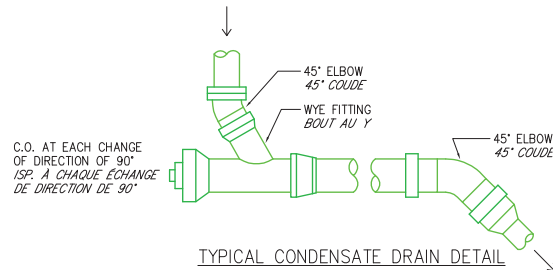


REQUIRED MOVEMENT OF 13mm FOR PIPING
50mm AND SMALLER
DÉPLACEMENT DEMANDÉ DE 13mm
POUR TUYAUX DE 50mm ET INFÉRIEURS

SEISMIC JOINT DETAIL FOR STEEL PIPE 50 mm & SMALLER
NO SCALE

PARTICULIER JOINT SISMIQUE POUR TUYAUX EN ACIER DE 50mm ET INFÉRIEURS
PAS EN ESCALIER

DETAIL # 18

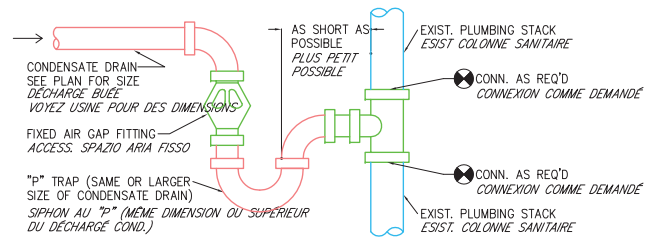


C.O. AT EACH CHANGE
OF DIRECTION OF 90°
ISP. À CHAQUE ÉCHANGE
DE DIRECTION DE 90°

TYPICAL CONDENSATE DRAIN DETAIL
NO SCALE

PARTICULIER TYPIQUE DÉCHARGE BUÉE
PAS EN ESCALIER

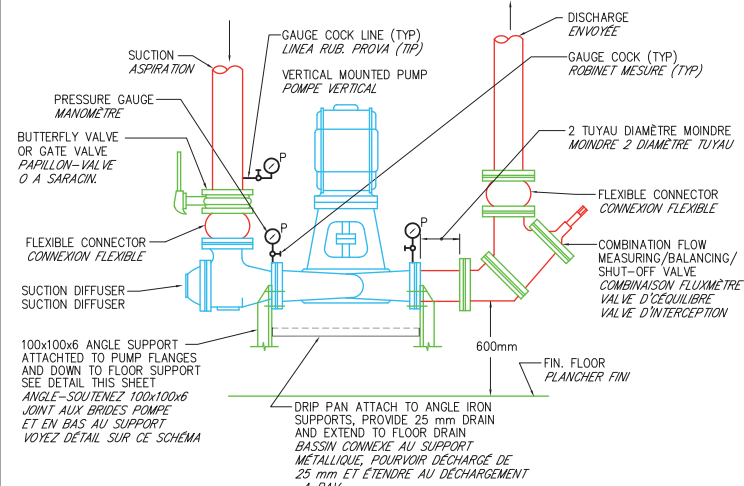
DETAIL # 20



CONDENSATE DRAIN CONNECTION @ AIR GAP & STACK DETAIL
NO SCALE

CONNEXION DÉCHARGÉ CONDENSE AVEC PLACE È PART. COLONNE
PAS EN ESCALIER

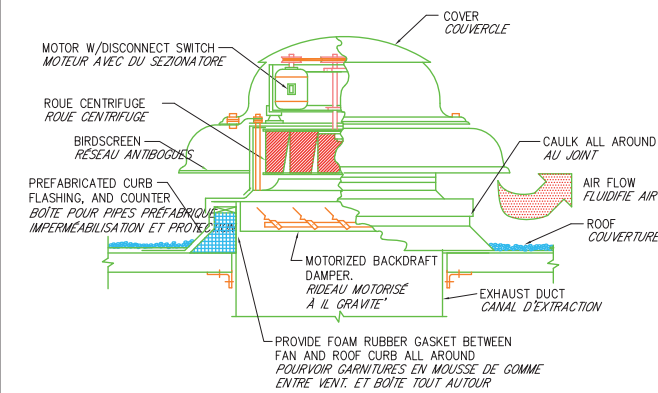
DETAIL # 17



TYPICAL VERTICAL MOUNTED PUMP DETAIL
NO SCALE

PARTICULIER TYPIQUE POMPE À L'ASSEMBLAGE VERTICAL
PAS EN ESCALIER

DETAIL # 19



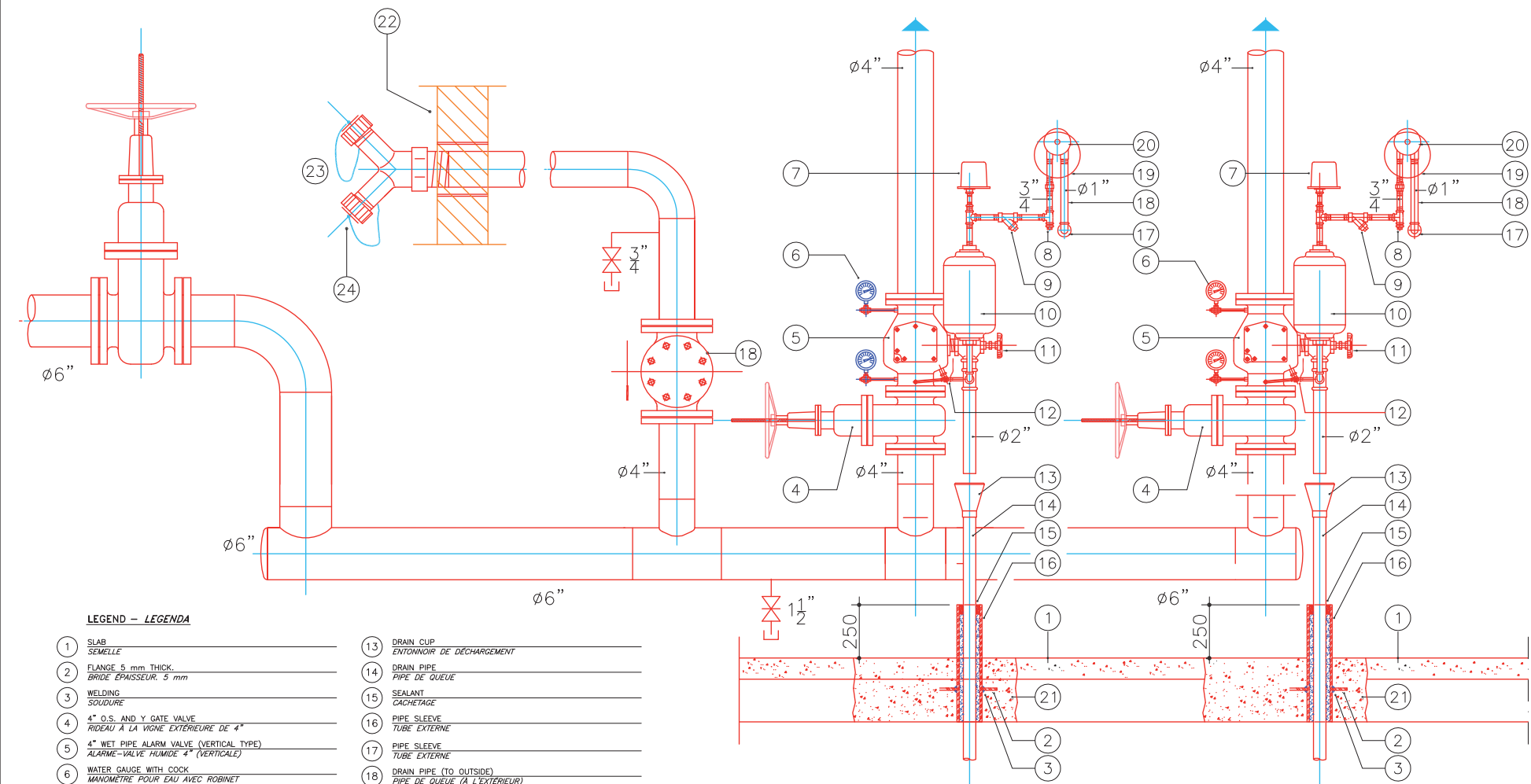
TYPICAL POWER ROOF VENTILATOR DETAIL
NO SCALE

PARTICULIER TYPIQUE VENTILATEUR
PAS EN ESCALIER

2588

SCALE: _____ LOTTO NO. _____ DRAWING NO. _____		MAS GROUP MAGNIFIC A SERVICE _____ *TITOLO (INGLESE)* *TITOLO (FRANCESE)*		TIMBRE PRIMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 35029, Vidorio di Sovizzo Tel. 047/2982821 Fax 047/293466				8	
1:99 XXXXXX SHEET X OF X				MDI XXX		IS DIM		DIMENSION / DESCRIPTION DATE APPROVED	





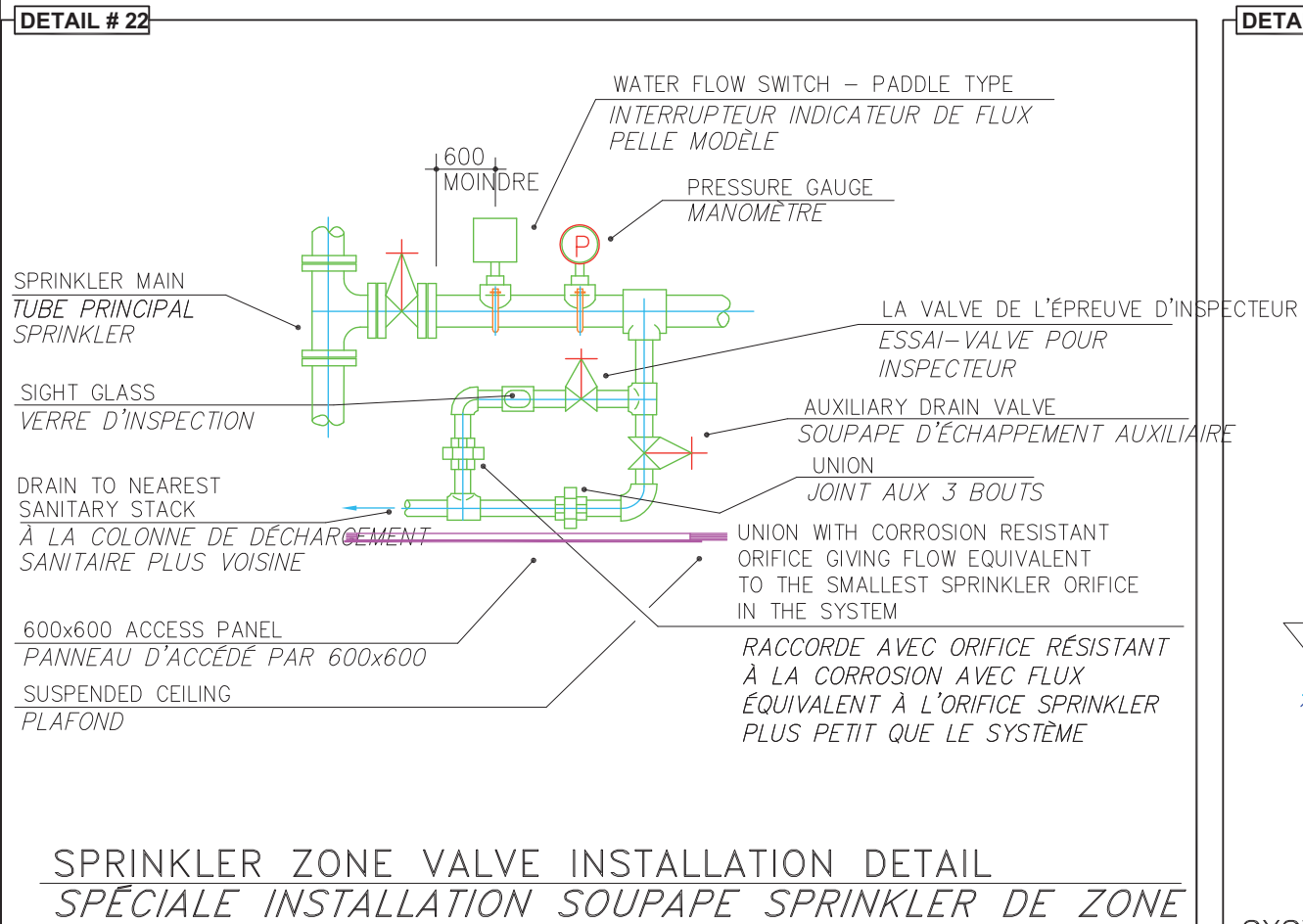
SLAR

- | | | | |
|----|--|----|---|
| 1 | SLAB
SEMELLE | 13 | DRAIN CUP
ENTONNOIR DE DÉCHARGEMENT |
| 2 | FLANGE 5 mm THICK,
BRIDE ÉPAISSEUR 5 mm | 14 | DRAIN PIPE
PIPE DE QUEUE |
| 3 | WELDING
SOUDURE | 15 | SEALANT
CACHETAGE |
| 4 | 4" O.S. AND Y GATE VALVE
RÉSEAU À LA VIGNE EXTÉRIEURE DE 4" | 16 | PIPE SLEEVE
TUBE EXTÉRIEURE |
| 5 | 4" WET PIPE ALARM VALVE (VERTICAL TYPE)
ALARME-VALVE HUMIDE 4" (VERTICALE) | 17 | PIPE SLEEVE
TUBE EXTÉRIEURE |
| 6 | WATER GAUGE WITH COCK
MANOMÈTRE POUR EAU AVEC ROBINET | 18 | DRAIN PIPE (TO OUTSIDE)
PIPE DE QUEUE (À L'EXTÉRIEUR) |
| 7 | PRESSURE SWITCH
SONDE DE PRESSION D'ALARME | 19 | GONG
CLOCHE D'ALARME |
| 8 | PLUG
STOPPER | 20 | WATER MOTOR
MOTEUR HYDRAULIQUE |
| 9 | STRAINER
RAMASSEUR D'IMPURETÉ | 21 | NON SHRINKING GROUT
ANTIRETRAIT MALTE |
| 10 | RETARD CHAMBER
CHAMBRE DE RETARD | 22 | EXTERIOR WALL SURFACE
PART EXTERIEUR MUR |
| 11 | 2"ANGLE VALVE (MAIN DRAIN VALVE)
SQUARE-VALVE 2" (VALVE PRINCIPALE DE DRAINAGE) | 23 | 4"x2-1/2"x2-1/2" FIRE DEPARTMENT CONNECTION
ATTACHE ANTEFUX 4"x2-1/2"x2-1/2" |
| 12 | ALARM TEST TRIM
DISPOSITIFS DE CONTRÔLE ET ALARME | 24 | CAP AND CHAIN
CROCHET ET CHAÎNE |

GROUPE SOUPAPE D'ALARME
MODÈLE HUMIDE

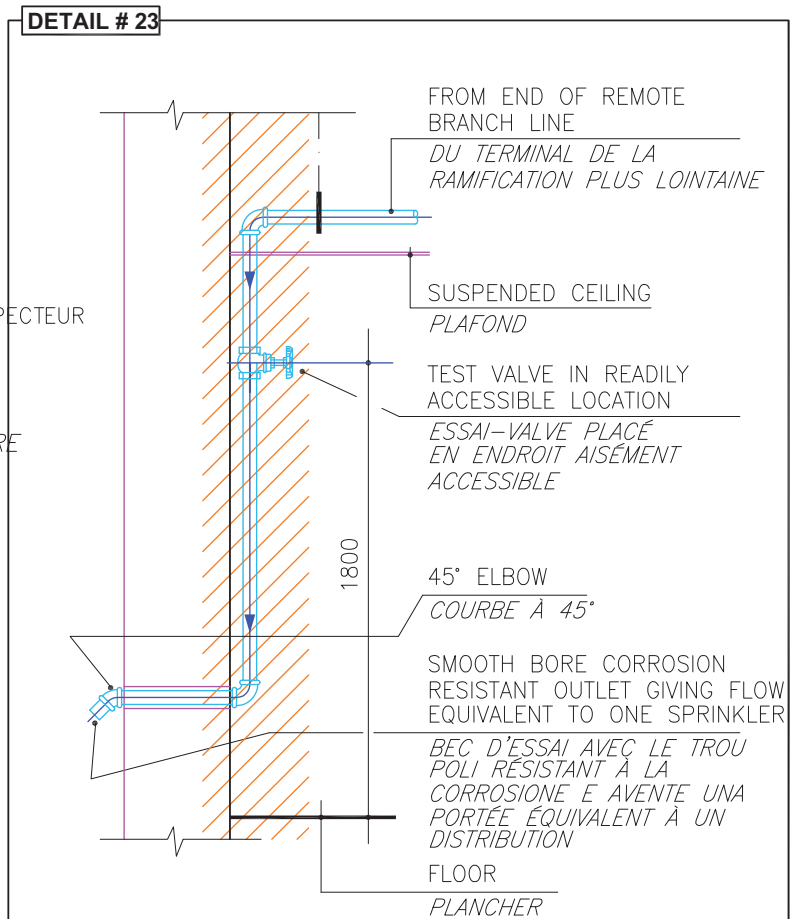
PAS EN ESCALIER

SCALE: 1:2 LOTTO NO. XX - XXXX XX DRAWING NO. XXXXXXXX SHEET X OF 2		MAS GROUP MAGNIFIC A SERVICE *TITOLO (INGLESE)* *TITOLO (FRANCESE)* 		TIMBRO		PRIMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 20050 Veduggio di Sesto San Giovanni (MI) Tel. 039/276261 Fax 039/2763048 MDI xxx		EMISIONE / DIMENSIONE DESCRIZIONE DATA		L.V. APPROVATO	
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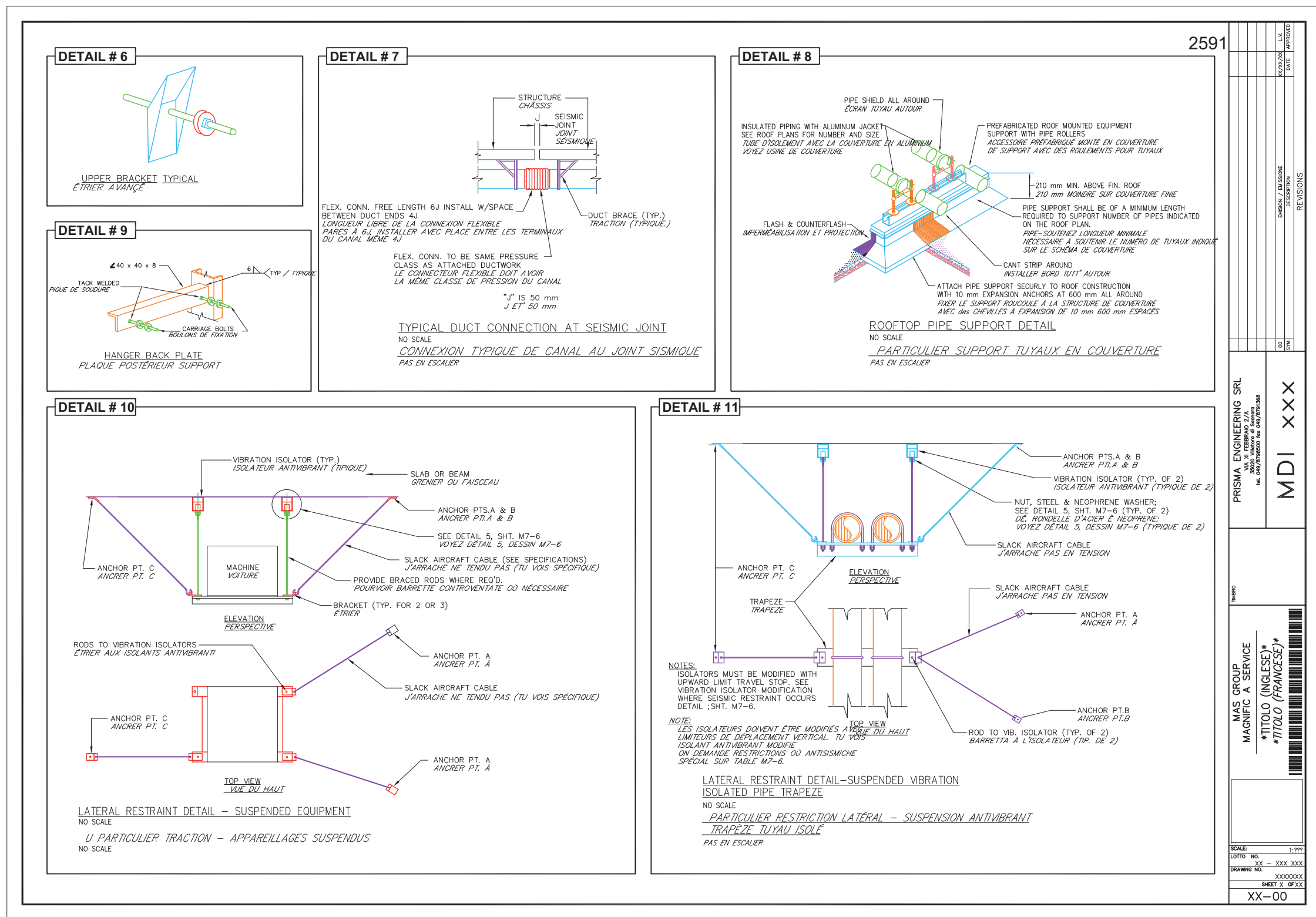
SPRINKLER ZONE VALVE INSTALLATION DETAIL

SPÉCIALE INSTALLATION SOUPAPE SPRINKLER DE ZONE



SYSTEM TEST CONNECTION DETAIL

[illegible]



2592

LÉGENDE

Symbole	Description	Symbole	Description
	PEHD PIPE HOT WELDED FOR SEWER TUBAZIONE IN PEAD TERMOSALDATA PER SCARICHI		FIRE EXTINGUISHER ESTINTORE A CO ₂ DA 5 kg CON CAPACITÀ ESTINGUENTE 89BC
	PVC PIPE FOR EXTERNAL SEWER TUBAZIONE IN PVC PER SCARICHI ESTERNI		FLOOR DRAIN PILETTA
	PVC PIPE FOR EXTERNAL DRAINAGE TUBAZIONE IN PVC PER DRENAGGI ESTERNI		SEWER SCARICO
	PEHD PIPE HOT WELDED FOR COMPRESSED AIR TUBAZIONE IN PEAD TERMOSALDATA PER ARIA COMPRESSA		VENT THRU ROOF COLONNA DI VENTILAZIONE
	STEEL BLACK PIPE EN 10220 SS FOR COMPRESSED AIR TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ARIA COMPRESSA		STORAGE BOILER CALDAIA CON ACCUMULO
	PEHD PIPE HOT WELDED FOR FIRE FIGHTING SYSTEM TUBAZIONE IN PEAD TERMOSALDATA PER ANTINCENDIO		BALL VALVE VALVOLA A SFERA
	STEEL BLACK PIPE EN 10220 SS FOR FIRE FIGHTING SYSTEM TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ANTINCENDIO		AUTOMATIC BLOCK VALVE, NORMALLY CLOSED ELETTROVALVOLA DI INTERCETTAZIONE, NORMALMENTE CHIUSA
	PEHD PIPE HOT WELDED UNI ISO 4437 FOR GAS CH4 TUBAZIONE IN PEAD TERMOSALDATA UNI ISO 4437 PER GAS METANO		AUTOMATIC CONDENS DRAINAGE GRUPPO DI DRENAGGIO AUTOMATICO CONDENSA DN 15
	STEEL BLACK PIPE UNI 8863 SS FOR GAS CH4 TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER GAS METANO		GATE BALL-Ø=ØPIPE-PN 16, ISPECTION TRAP IN CONCRETE, WITH COVER VALVOLE DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16 POSTA ENTRO POZZETTO CON CHIUSINO
	PEHD PIPE HOT WELDED FOR POTABLE WATER TUBAZIONE IN PEAD TERMOSALDATA PER ACQUA POTABILE		TRAP IN CONCRETE WITH COVER AND SPLICE POLYETHYLENE STEEL POZZETTO IN CLS CON CHIUSINO E GIUNZIONE POLIETILENE ACCIAIO
	STEEL BLACK PIPE UNI 8863 SS FOR POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA POTABILE		FLOOR DRAIN CADITOIA IN GHISA
	STEEL BLACK PIPE UNI 8863 SS FOR HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA CALDA POTABILE		TRAP IN CONCRETE WITH COVER, SPLICE POLYETHYLENE STEEL, GATE BALL-Ø=ØPIPE-PN 16 POZZETTO IN CLS CON CHIUSINO, GIUNZIONE POLIETILENE ACCIAIO, VALVOLA DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16
	PIPING GALVANIZED STEEL RICIRCULATION HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS ACQUA CALDA RICIRCOLO POTABILE		
	STANDPOST HYDRANT IDRANTE SOPRASSUOLO A COLONNA		
	UNI 45 FIRE HYDRANT, HOSE LENGHT 20 METERS IDRANTE UNI 45, LUNGHEZZA MANICHETTA 20 METRI		
	WATER ATTACK DN 100 FIRE DEPARTMENT ATTACCO MOTOPOMPA DN 100		
	FIRE EXTINGUISHER PORTABLE TYPE ABC 6 kg ESTINTORE PORTATILE A POLVERE DA 6 kg CLASSE 43A-233BC		

PRISMA ENGINEERING SRL
Via Vercelli 10
33020 Vidor (Treviso) Italy
tel. 0423/2918500 fax 0423/291348

MDI XXX

MAS GROUP
MAGNIFIC A SERVICE
TITOLO (INGLESE)
TITOLO (FRANCESE)

SCALE: 1:???

LOTTO NO. XX - XXX XXX

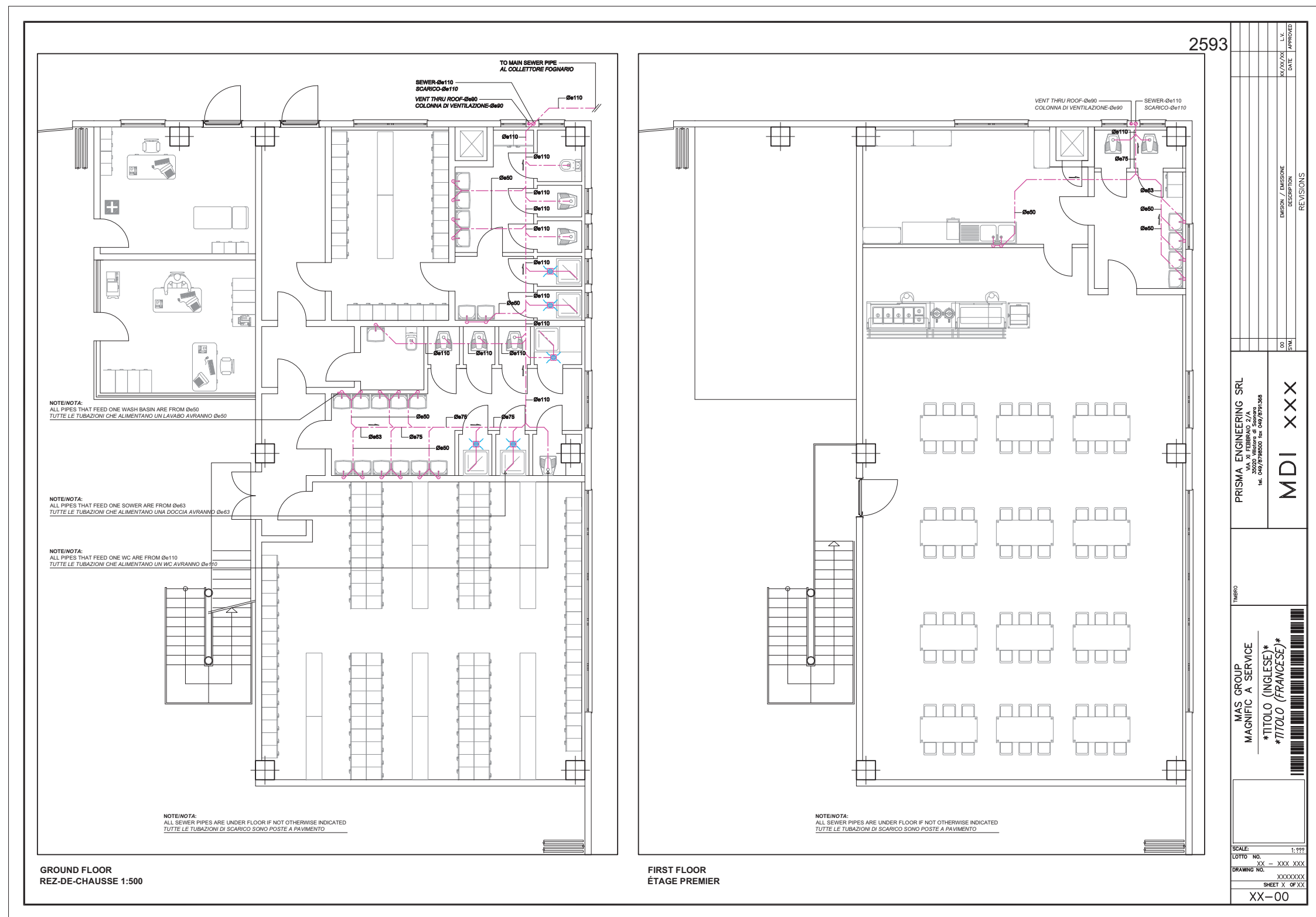
DRAWING NO. XXXXXXXX

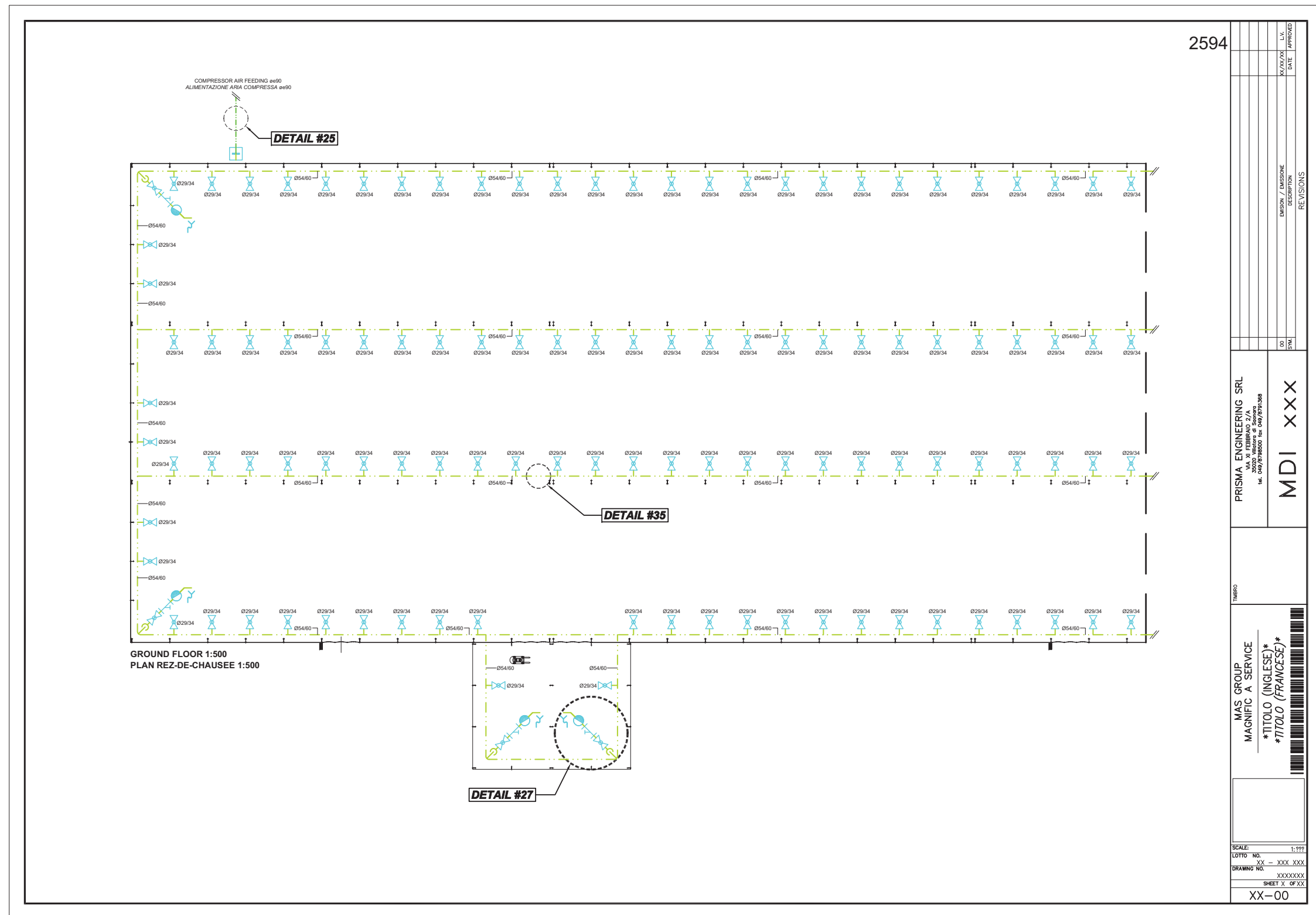
SHEET X OF XX

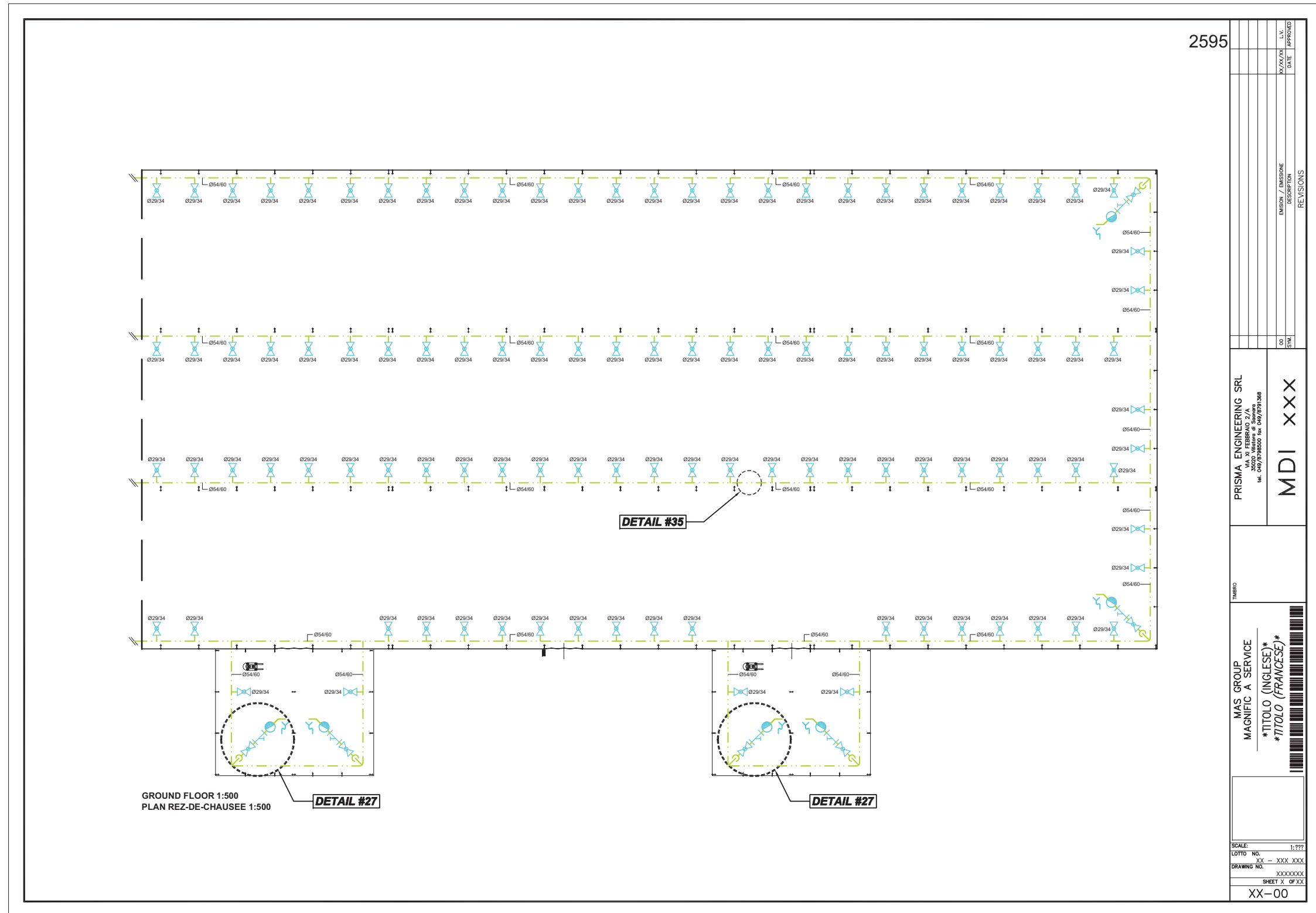
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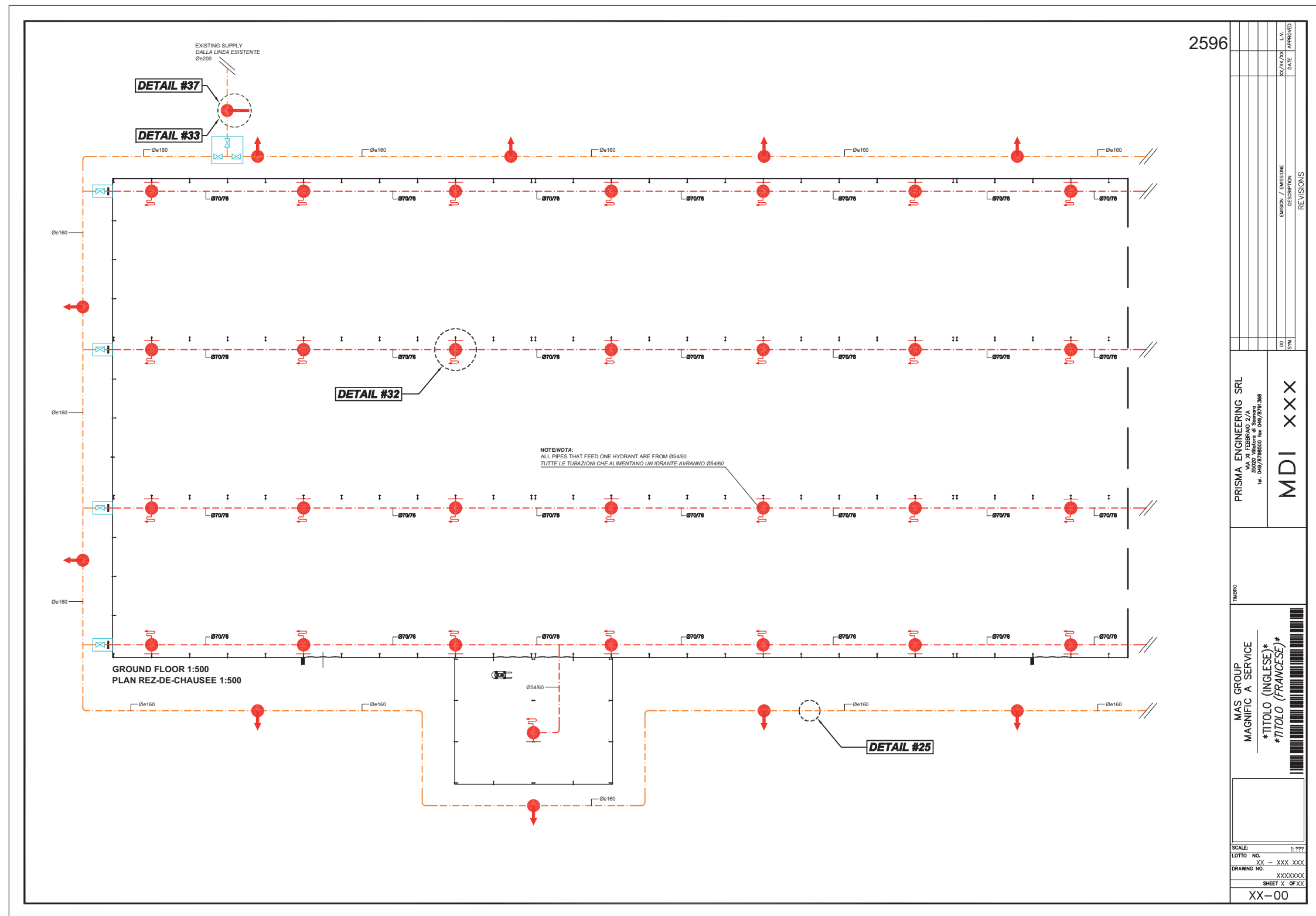
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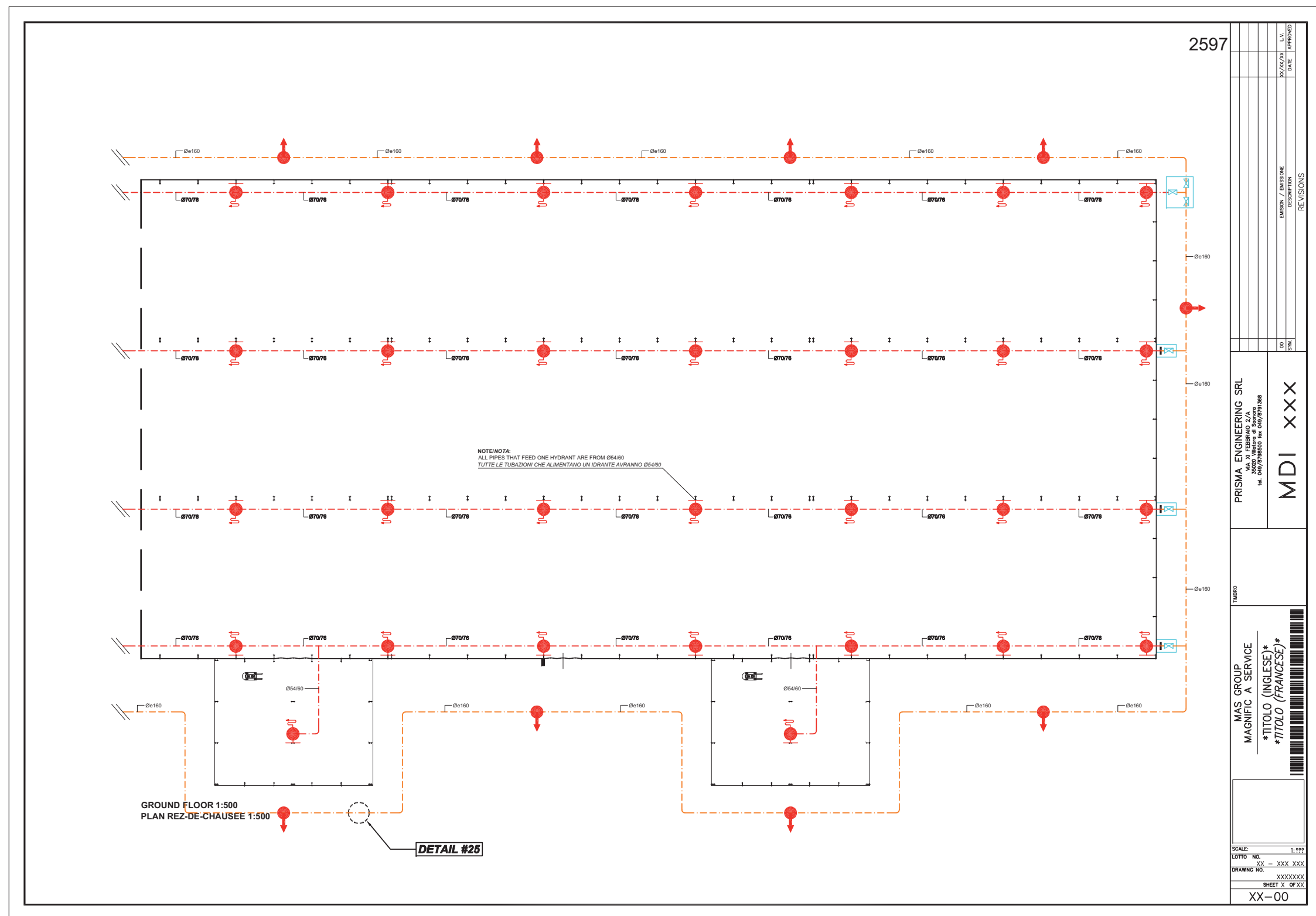
FUTURE OF AFRICA

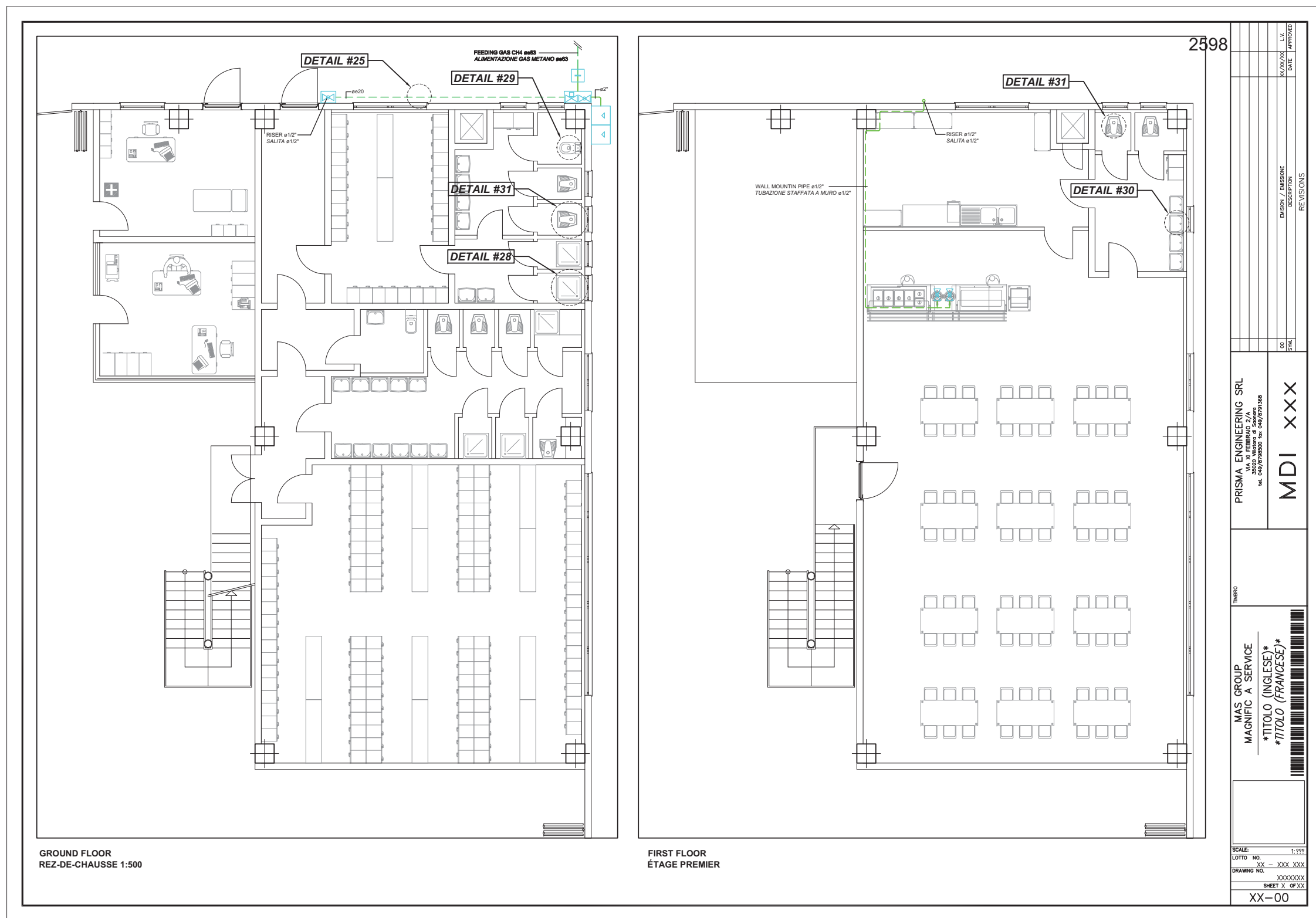


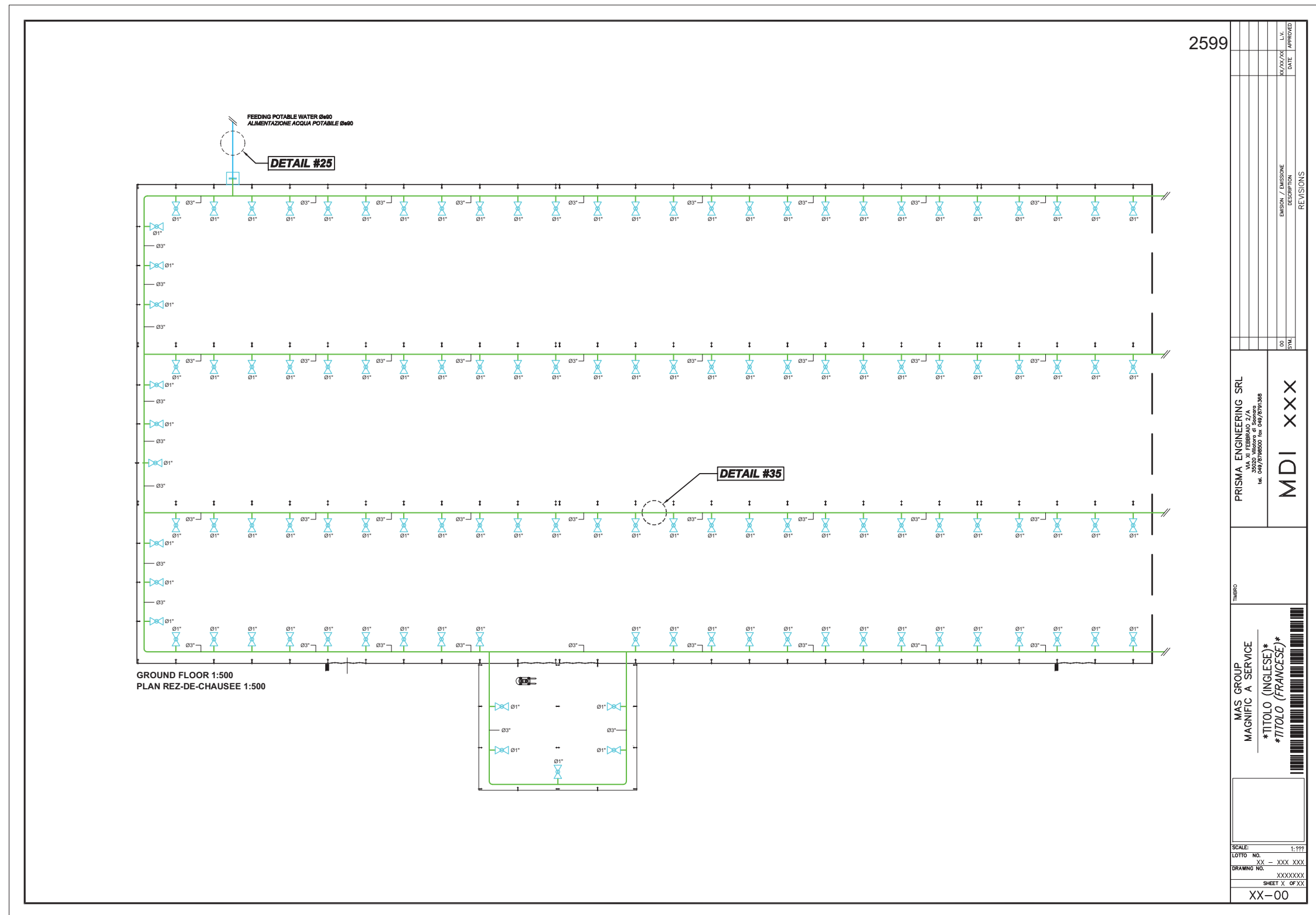


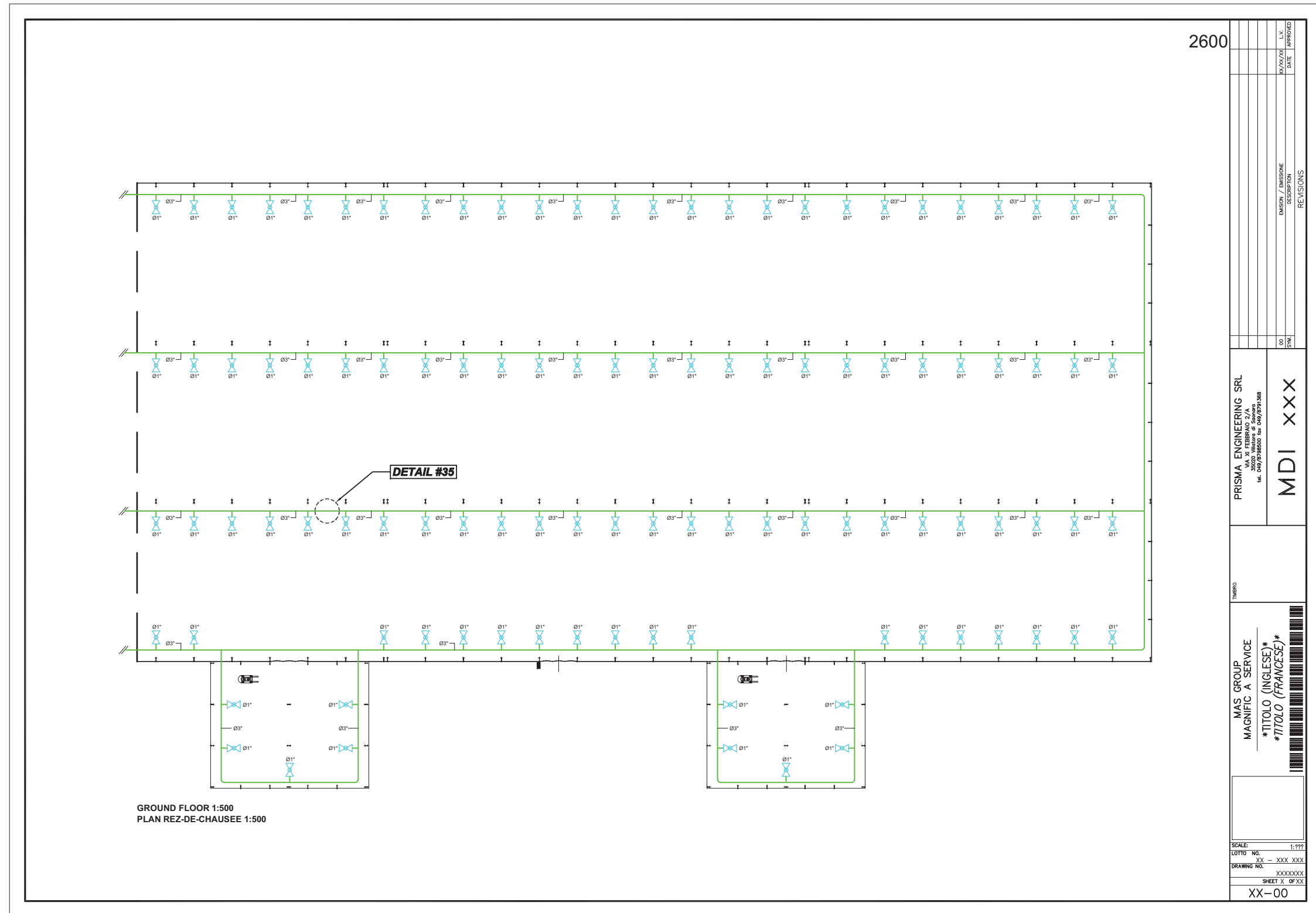


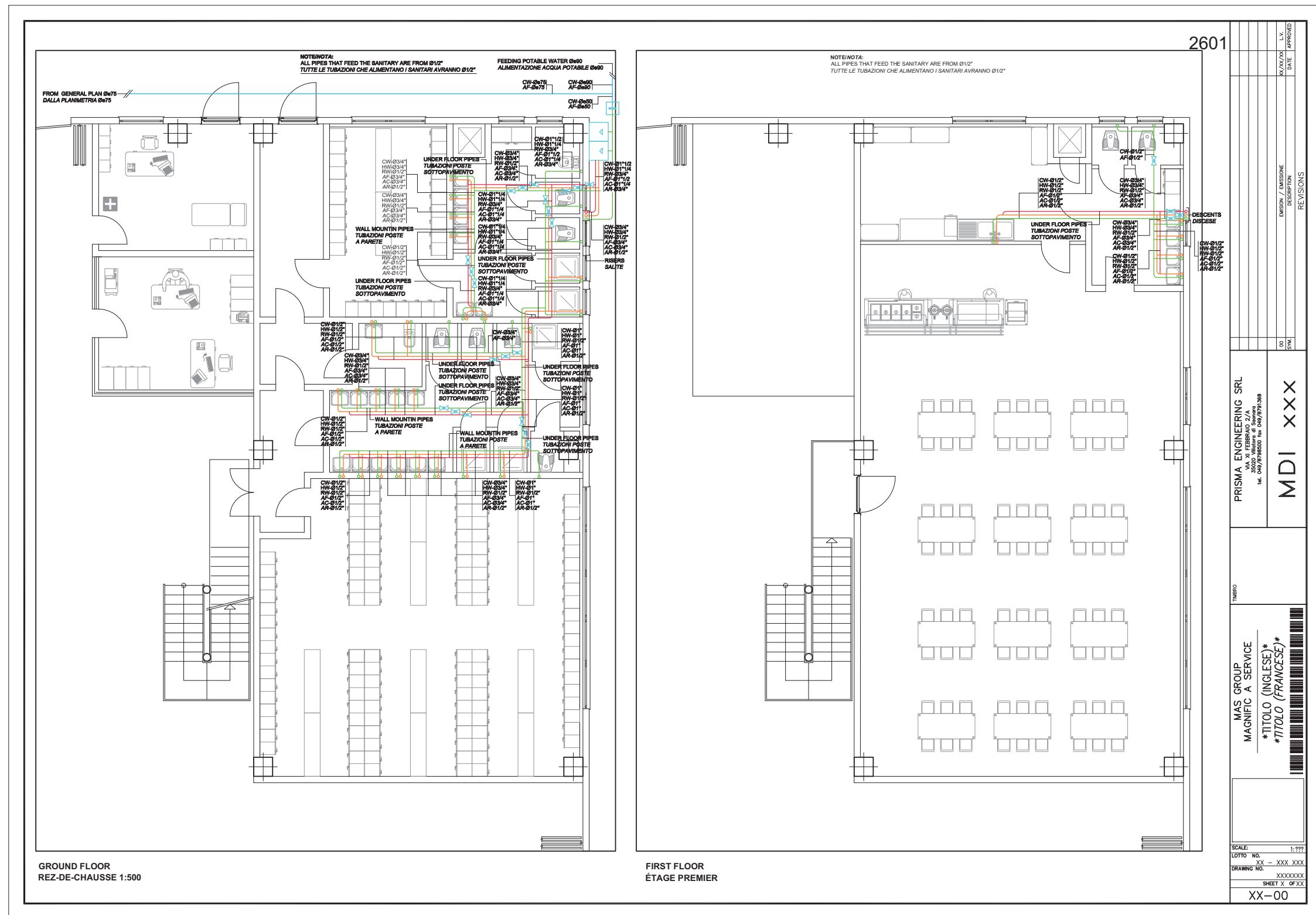


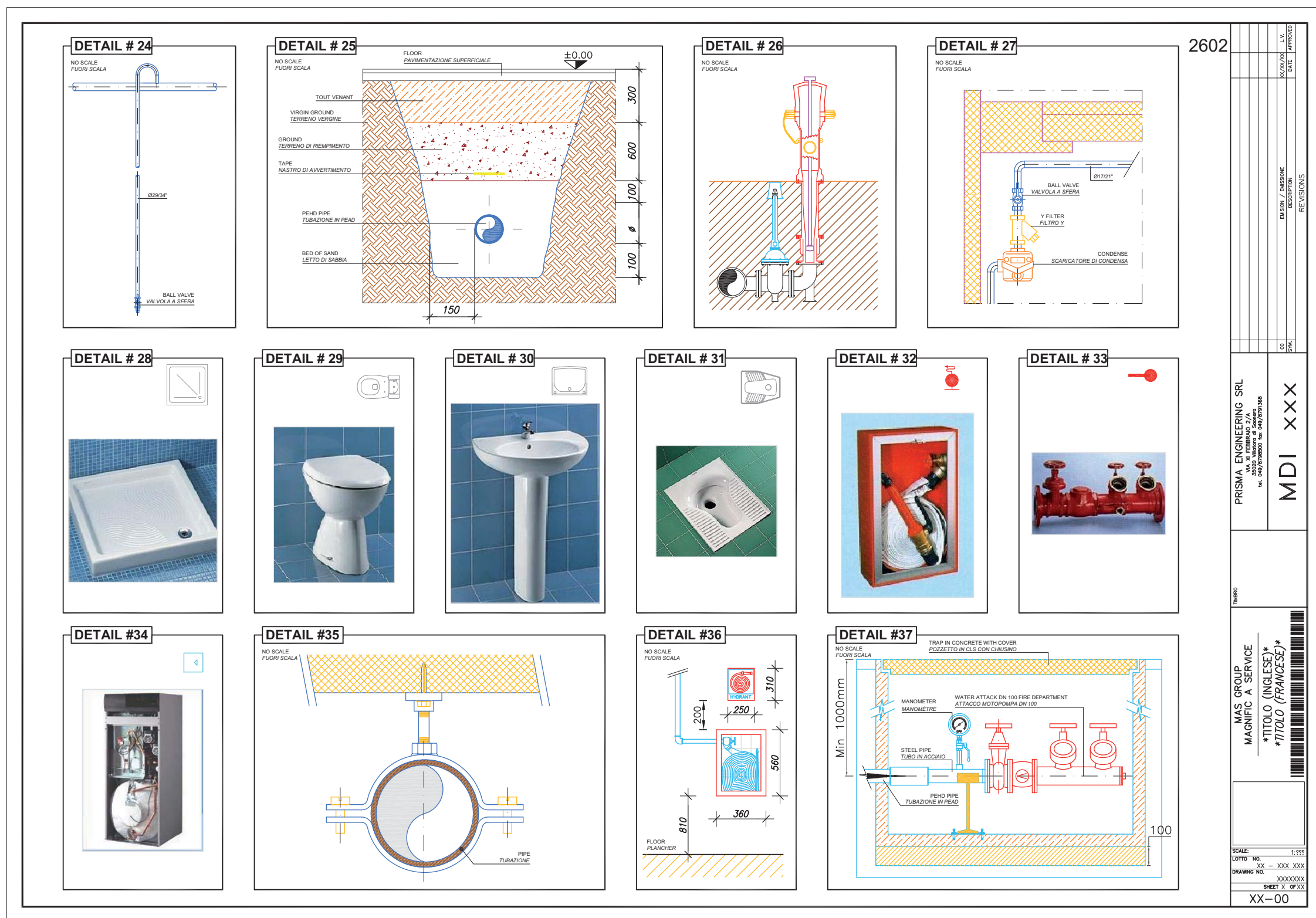


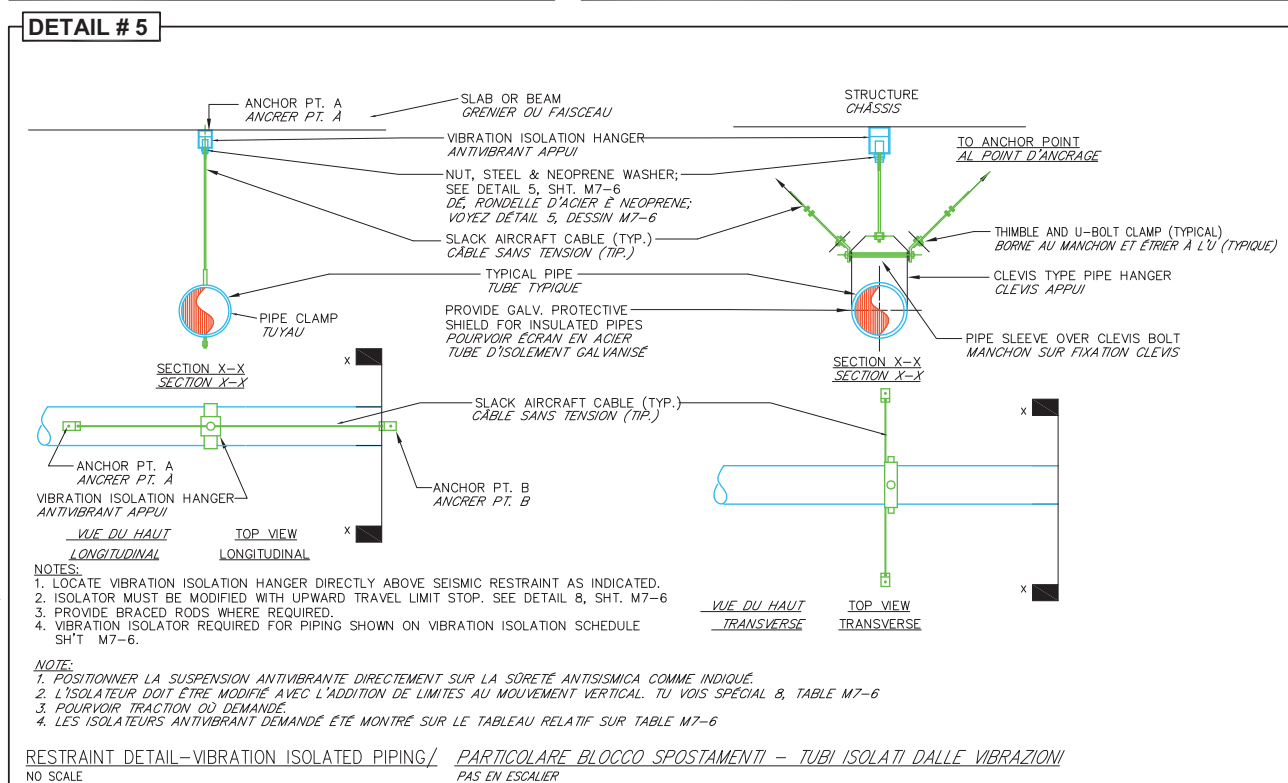
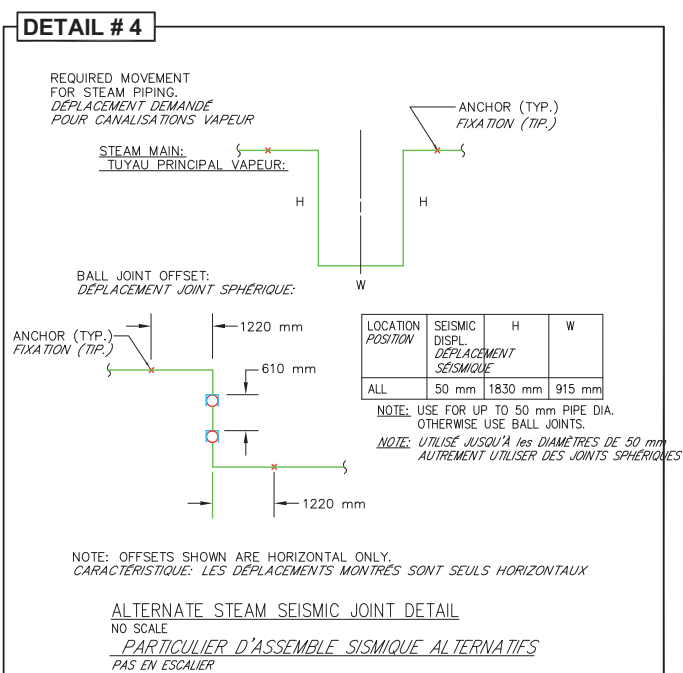
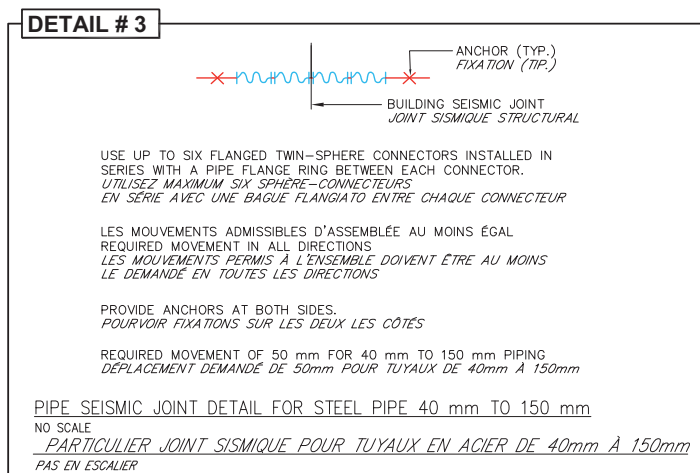
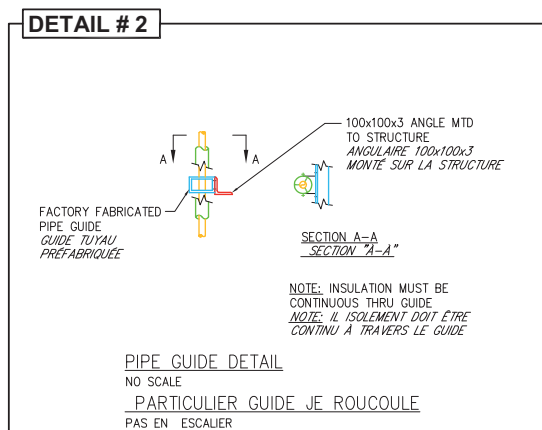
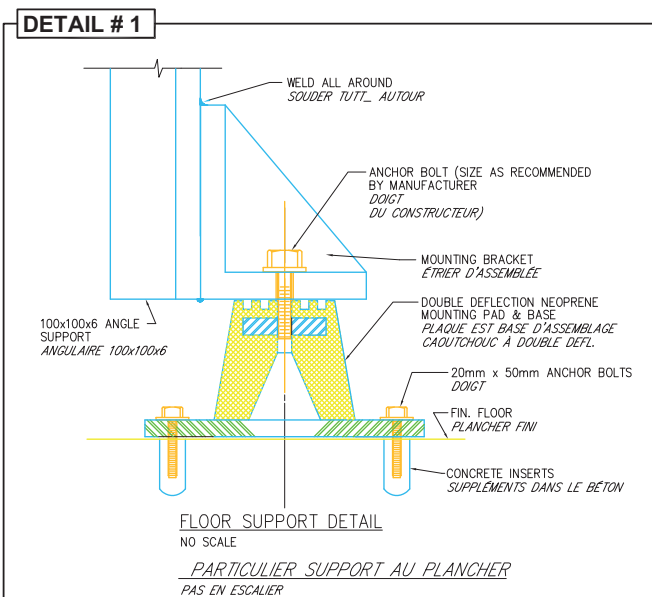






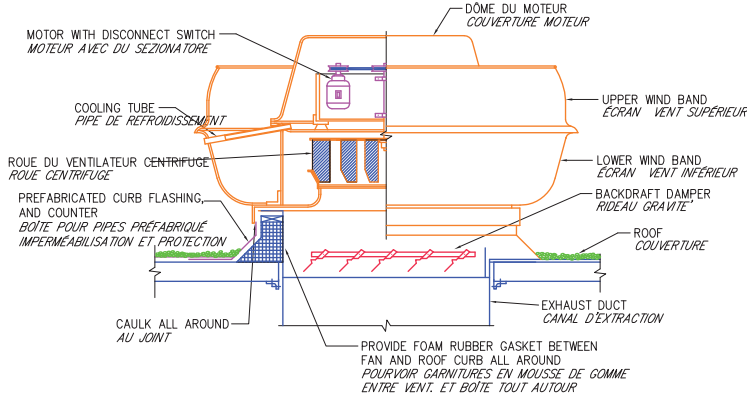






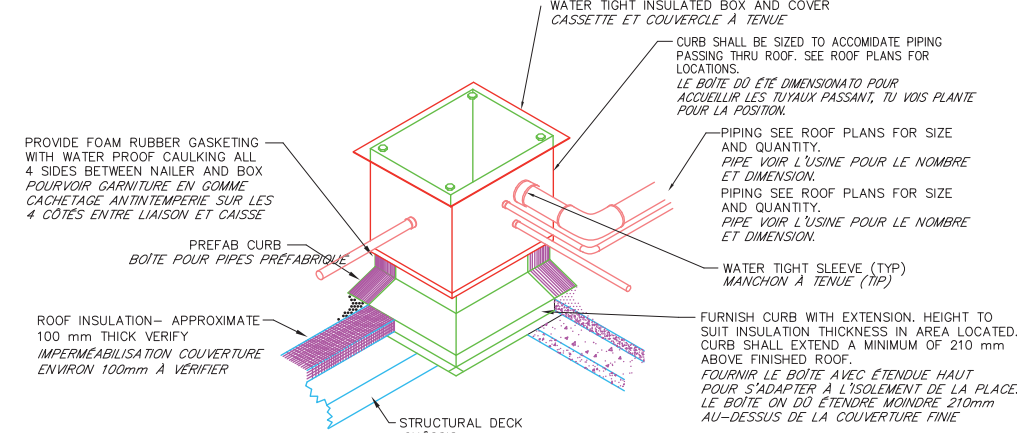
SCALE: _____ 1:2 LOTTO NO. XX - XXX XX DRAWING NO. XXXXXX SHEET X OF X		MAS GROUP MAGNIFIC A SERVICE *TITOLO (INGLESE)* *TITOLO (FRANCESE)* 		TIMPRO	PRISMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 33070 S. VIGILIO DI VENEZIA Tel. 041/8798200 Fax 041/8791348 MDI xxx	DIMENSIONE / DIMENSIONE DECISIONI / DATE L.V. APPROVED
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DETAIL # 12



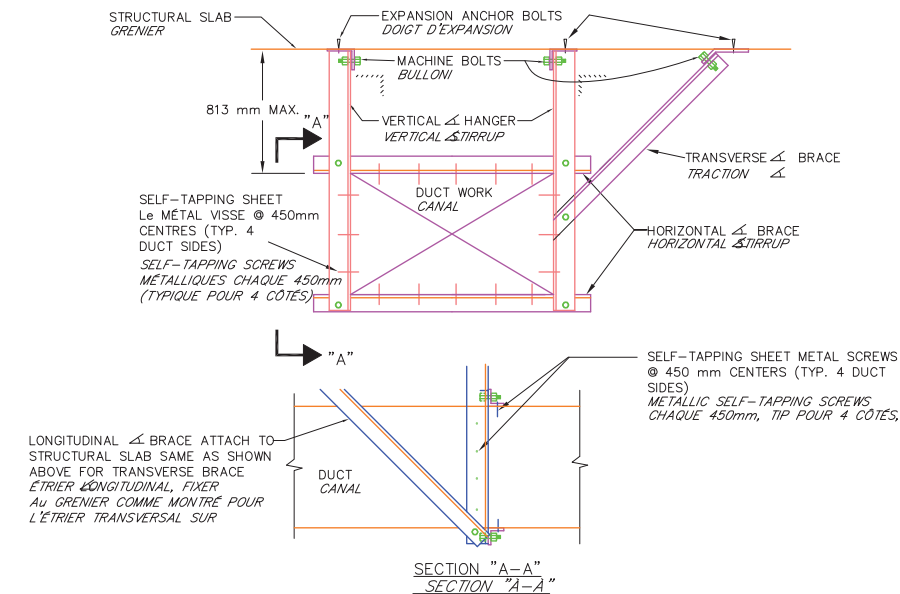
UPBLAST EXHAUST FAN DETAIL
NO SCALE
PARTICULIER EXTRACTEUR AU JET VERTICAL
PAS EN ESCALIER

DETAIL # 13



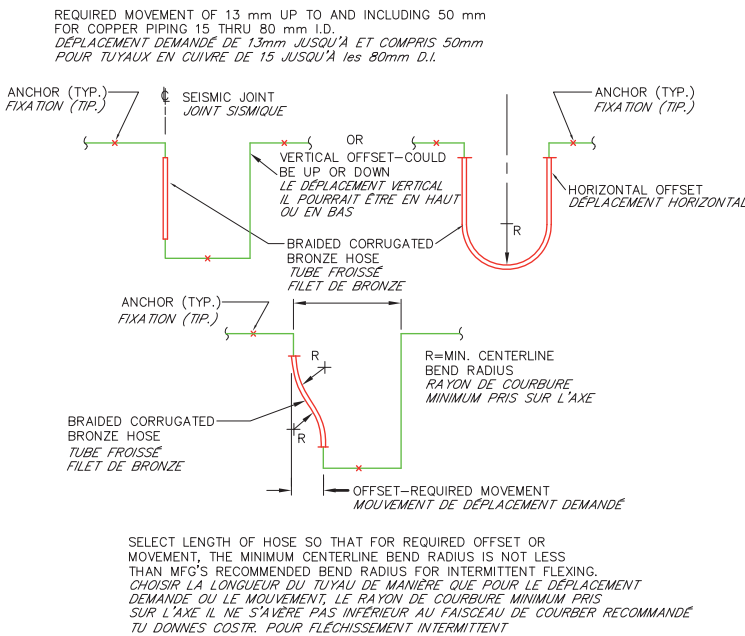
PIPE CURB DETAIL
NO SCALE
PARTICULIER REVENU TUBES
PAS EN ESCALIER

DETAIL # 14



LATERAL RESTRAINT DETAIL-DUCTWORK
NO SCALE
PARTICULIER RESTRICTION LATÉRAL - CANAUX
PAS EN ESCALIER

DETAIL # 15

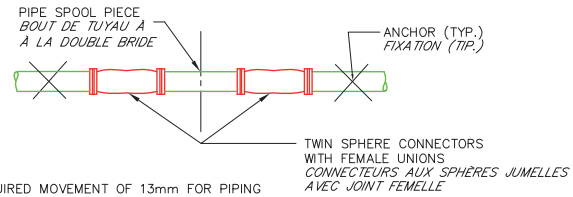


SEISMIC JOINT DETAIL FOR COPPER PIPING 15 THRU 80 mm I.D.
NO SCALE
S SPÉCIAL JOINT SISMIQUE POUR TUYAUX DE CUIVRE DE 15 Aux 80 mm D.I.
PAS EN ESCALIER

2604

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DETAIL # 16

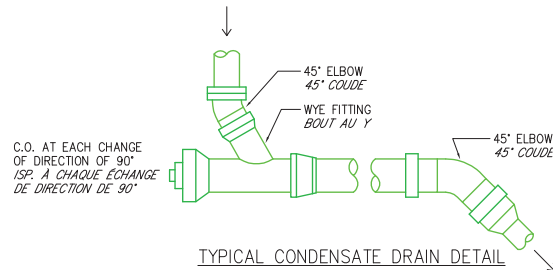


REQUIRED MOVEMENT OF 13mm FOR PIPING
50mm AND SMALLER
DÉPLACEMENT DEMANDÉ DE 13mm
POUR TUYAUX DE 50mm ET INFÉRIEURS

SEISMIC JOINT DETAIL FOR STEEL PIPE 50 mm & SMALLER
NO SCALE

PARTICULIER JOINT SISMIQUE POUR TUYAUX EN ACIER DE 50mm ET INFÉRIEURS
PAS EN ESCALIER

DETAIL # 18

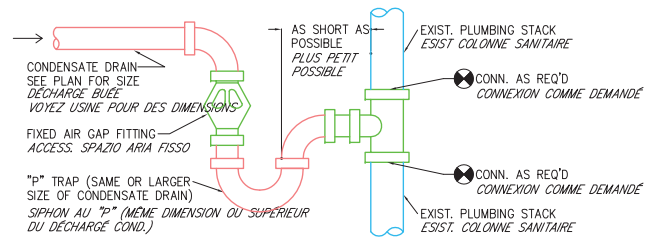


C.O. AT EACH CHANGE
OF DIRECTION OF 90°
ISP. À CHAQUE ÉCHANG
DE DIRECTION DE 90°

TYPICAL CONDENSATE DRAIN DETAIL
NO SCALE

PARTICULIER TYPIQUE DÉCHARGE BUÉE
PAS EN ESCALIER

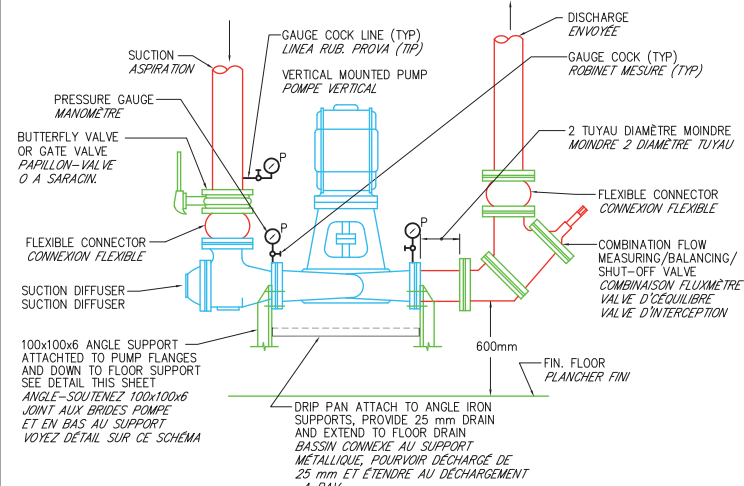
DETAIL # 20



CONDENSATE DRAIN CONNECTION @ AIR GAP & STACK DETAIL
NO SCALE

CONNEXION DÉCHARGÉ CONDENSE AVEC PLACE È PART. COLONNE
PAS EN ESCALIER

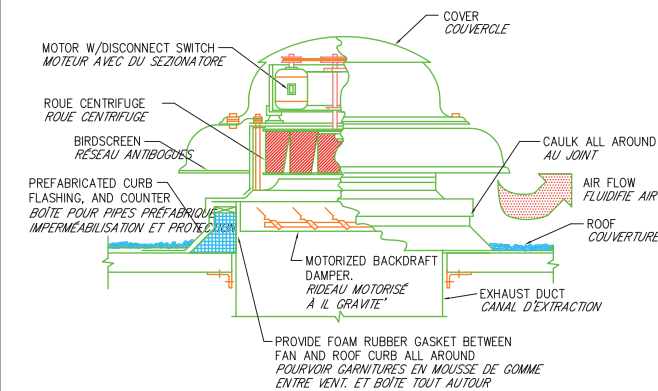
DETAIL # 17



TYPICAL VERTICAL MOUNTED PUMP DETAIL
NO SCALE

PARTICULIER TYPIQUE POMPE À L'ASSEMBLAGE VERTICAL
PAS EN ESCALIER

DETAIL # 19



TYPICAL POWER ROOF VENTILATOR DETAIL
NO. SCALE

PARTICULIER TYPIQUE VENTILATEUR
PAS EN ESCALIER

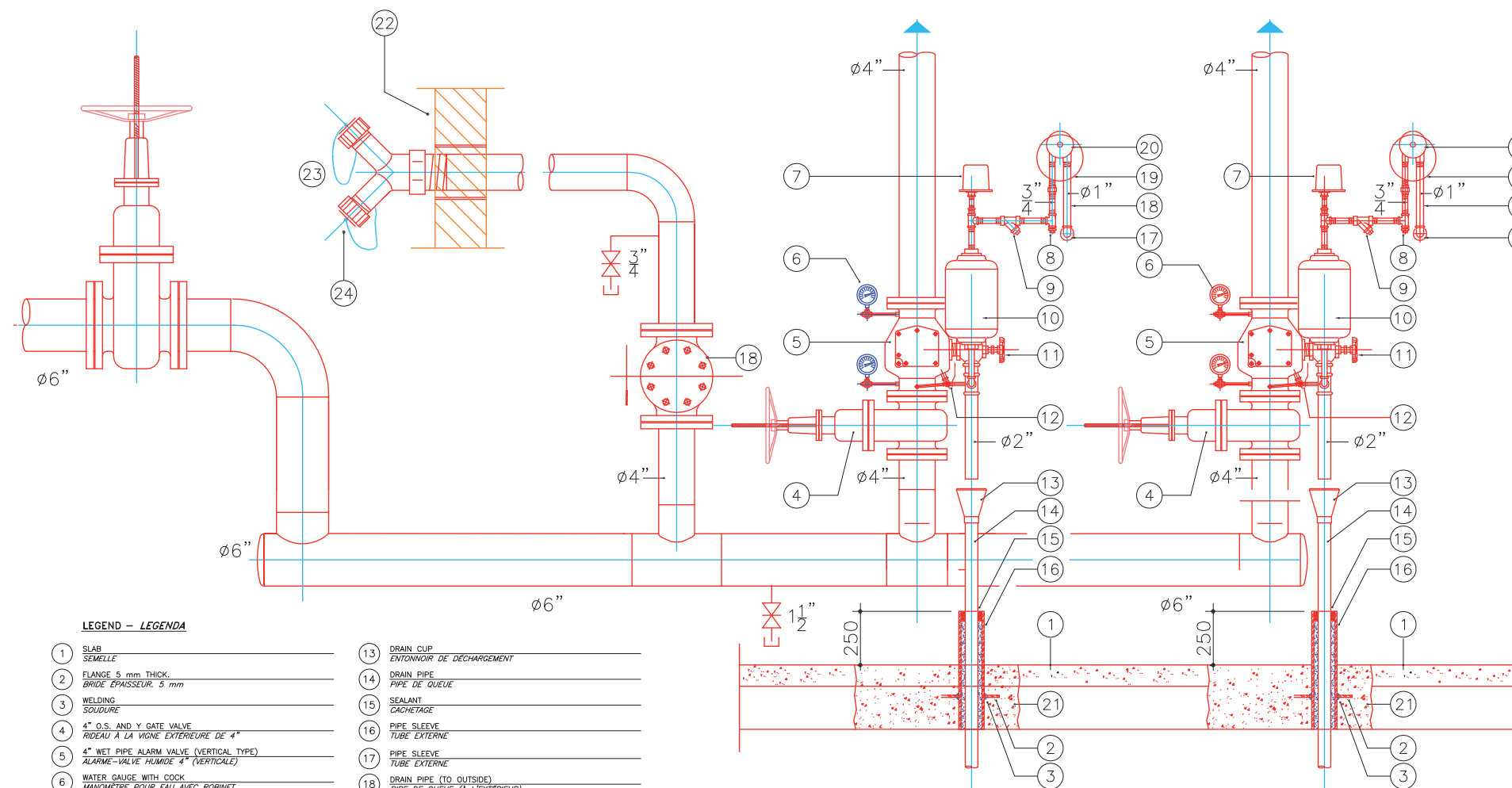
2605

SCALE: _____ 1:99 LOTTO NO. _____ XX - XXX XXX DRAWING NO. _____ XXXXXXXX SHEET X OF X		MAS GROUP MAGNIFIC A SERVICE *TITOLO (INGLESE)* *TITOLO (FRANCESE)*		TIMBRE 		PRISMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 35029, Vidorio di Sovizzo Tel. 047/2982821 Fax 047/293466				5	
						MDI XXX OS DIM		DIMENSIONE DESCRIPTION		XX/XX/XX L.V. DATE APPROVED	



2606

DETAIL # 21



LEGEND - LEGENDA

- | | |
|--|--|
| 1 SLAB
SEMELLE | 13 DRAIN CUP
ENTONNOIR DE DÉCHARGEMENT |
| 2 FLANGE 5 mm THICK
BRIDE ÉPAISSEUR 5 mm | 14 DRAIN PIPE
PIPE DE QUEUE |
| 3 WELDING
SOUDURE | 15 SEALANT
CACHETAGE |
| 4 4" O.S. AND Y GATE VALVE
RIDEAU À LA VIGNE EXTÉRIEURE DE 4" | 16 PIPE SLEEVE
TUBE EXTERNE |
| 5 4" WET PIPE ALARM VALVE (VERTICAL TYPE)
ALARME-VALVE HUMIDE 4" (VERTICALE) | 17 PIPE SLEEVE
TUBE EXTERNE |
| 6 WATER GAUGE WITH COCK
MANOMETRE POUR EAU AVEC ROBINET | 18 DRAIN PIPE (TO OUTSIDE)
PIPE DE QUEUE (À L'EXTÉRIEUR) |
| 7 PRESSURE SWITCH
SONDE DE PRESSION D'ALARME | 19 GONG
CLOCHE D'ALARME |
| 8 PLUG
STOPPER | 20 WATER MOTOR
MOTEUR HYDRAULIQUE |
| 9 STRAINER
RAMASSEUR D'IMPURETÉ | 21 NON SHRINKING GROUT
ANTIRETRAIT MALTE |
| 10 RETARD CHAMBER
CHAMBRE DE RETARD | 22 EXTERIOR WALL SURFACE
PART EXTERIEUR MUR |
| 11 2" ANGLE VALVE (MAIN DRAIN VALVE)
SQUARE-VALVE 2" (VALVE PRINCIPALE DE DRAINAGE) | 23 4"x2-1/2"x2-1/2" FIRE DEPARTMENT CONNECTION
ATTACHE ANTIFEU 4"x2-1/2"x2-1/2" |
| 12 ALARM TEST TRIM
DISPOSITIFS DE CONTRÔLE ET ALARME | 24 CAP AND CHAIN
TAQUET ET CHAÎNE |

ALARM VALVE ASSEMBLY
WET PIPE
GROUPE SOUPAPE D'ALARME
MODÈLE HUMIDE

NOT TO SCALE
PAS EN ESCALIER

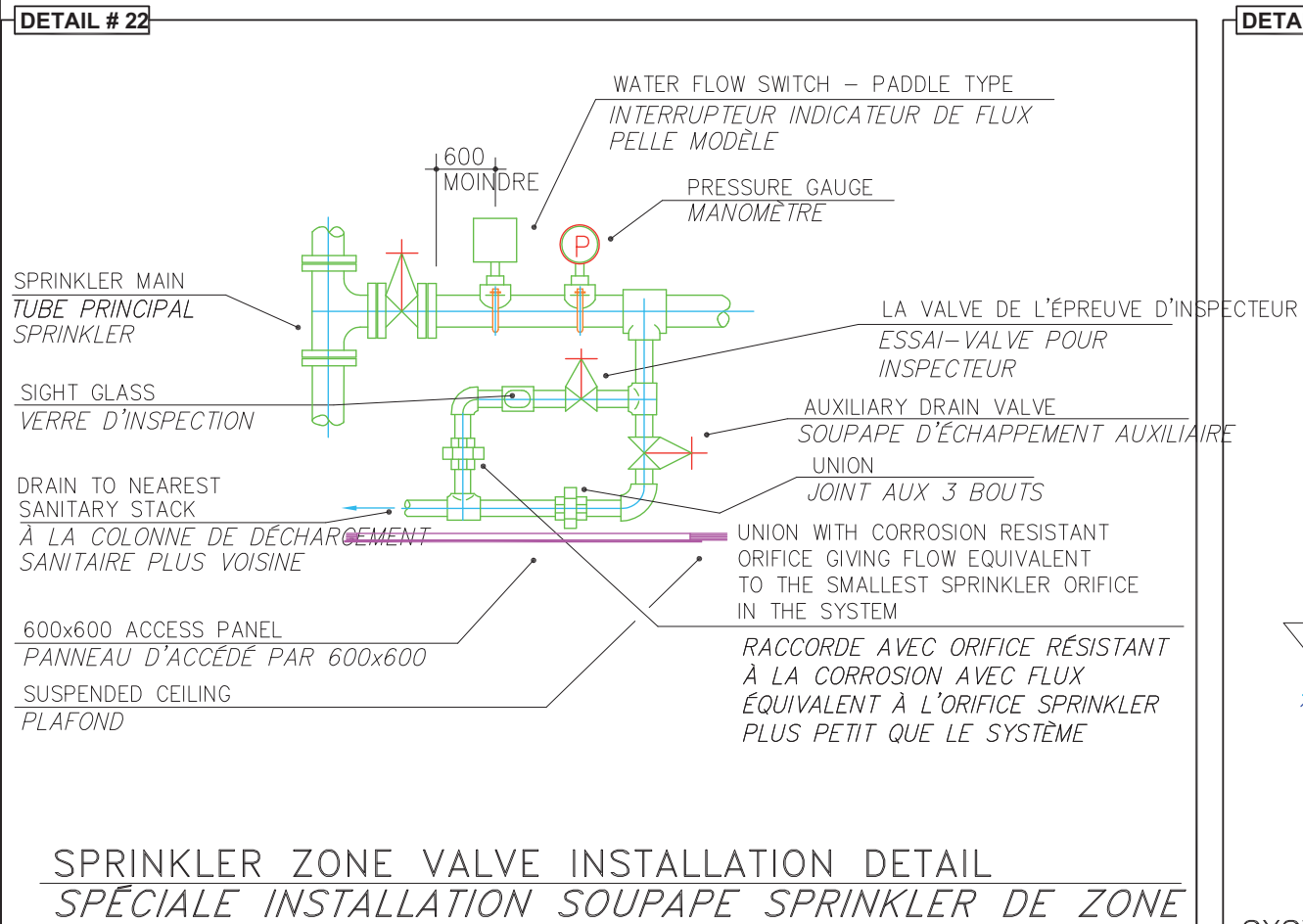
PRIMA ENGINEERING SRL
Via Valsugana, 10
38020 Valsugana di Sopra
tel. 0461/878500 fax 0461/8781368

MDI XXX

MAS GROUP
MAGNIFIC A SERVICE
TITOLO (INGLESE)
TITOLO (FRANCESE)

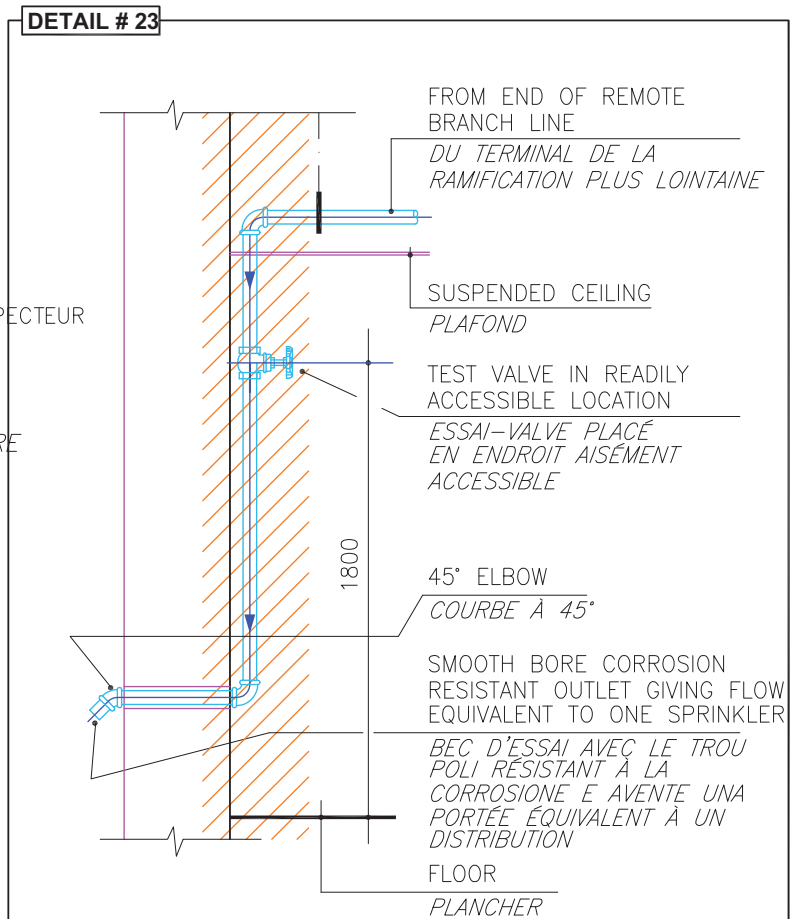
SCALE: 1:100
LOTTO NO. XX - XXX XXX
DRAWING NO. XXXXXXX
SHEET X OF XX
XX-00





SPRINKLER ZONE VALVE INSTALLATION DETAIL

SPÉCIALE INSTALLATION SOUPAPE SPRINKLER DE ZONE

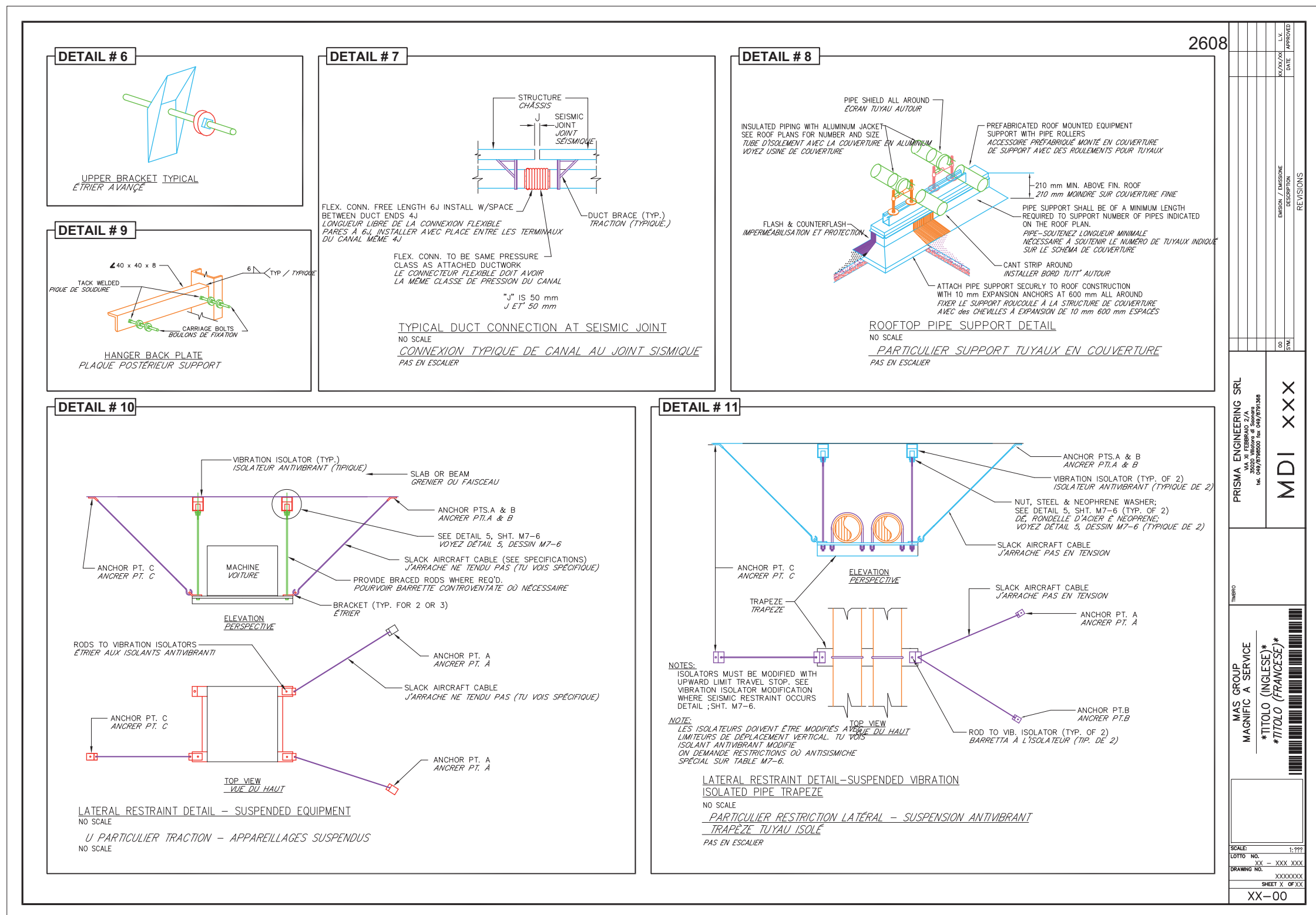


SYSTEM TEST CONNECTION DETAIL
SPÉCIALE LIAISON POUR PREUVE

2607

SCALE: _____ 1:xx LOTTO NO. _____ XXX XXX DRAWING NO. _____ XXXXXXXX SHEET X OF X		MAS GROUP MAGNIFIC A SERVICE *TITOLO (INGLESE)* *TITOLO (FRANCESE)*		TIMBRE 		PRISMA ENGINEERING SRL VIA XI FEBBRAIO 2/A 35029, Vidorio di Sovizzo Tel. 047/2982821 Fax 047/293466				7	
						MDI XXX		OS DIM			
								DIMENSIONI / DIMENSIONS DESCRIPTION			
								APPROVED / APPROUVÉ DATE			





NO.	ARTICLE CODE	BRIEF DESCRIPTION	UNIT	QUANTITY	PRICE/UNIT	AMOUNT	CHAPTER	%
EXCAVATION								
1	02.01.01a	Compulsory excavation, etc	m³	1.206,83	6,00	7.240,98		
2	02.02.01a	Reburial, etc	m³	1.269,21	6,14	7.792,95		
3	02.02.03b	Supply, spreading, rolling, etc	m³	5.023,89	18,59	93.394,12		
		CHAPTER TOTAL				108.428,04	108.428,04	7,93
CONCRETE - STEEL - FORMWORK								
4	03.01.09a	High-density inert matter concrete, etc	m³	118,11	75,07	8.866,52		
5	03.01.10c	Concrete for foundations, etc	m³	409,07	94,36	38.599,85		
6	12.01.01	Anti-termite treatment	kg	5.976,56	5,00	29.882,80		
7	03.04.01b	Feb44k steel	kg	24.544,32	1,08	26.507,87		
8	3.04.02	Electrically melded net	kg	140.567,32	1,32	186.416,14		
9	03.01.11a	Wooden formwork , etc	m²	297,64	21,69	6.455,81		
		CHAPTER TOTAL				296.728,98	296.728,98	21,70
FLOORS AND LININGS								
10	12.01.04a	Industrial flooring	m²	17.414,00	28,40	494.557,60		
11	12.01.04b	Anti-dust treatment, etc	m²	17.414,00	3,46	60.252,44		
		CHAPTER TOTAL				554.810,04	554.810,04	40,57
GATES								
12	12.01.11	Iron sliding gates, etc automation included	kg	4.193,20	3,00	12.579,60		
		CHAPTER TOTAL				12.579,60	12.579,60	0,92
GREEN AREAS								
13	14.01.01	Spreading and modelling of cultivation land	m³	13.464,00	26,25	353.430,00		
14	14.01.02	Mechanical plowing, etc	m²	13.464,00	0,315	4.241,16		
15	14.01.03	Mechanical spading, etc	m²	13.464,00	0,222	2.989,01		
16	14.01.04	Plants distribution and settling, etc	each	70	100,00	7.000,00		
17	14.01.05	Lawn setting, etc (seeds included)	m²	7.760,00	3,00	23.280,00		
18	14.01.06	Plants' manuring, etc	each	70	0,60	42,00		
19	14.01.07	Lawn manuring, etc	m²	7.760,00	0,52	4.035,20		
		CHAPTER TOTAL				395.017,37	395.017,37	28,88
		TOTAL WORKS					1.367.564,03	100

N.	CODE ART.	DESCRIPTION SYNTETIQUE	U.M	Q.TE'	PR. UN.	MONTANT	CHAPITRE	%
EXCAVATIONS								
1	02.01.01a	Excavations à section oblique, etc.	mc.	1.206,83	6,00	7.240,98		
2	02.02.01a	Remblais, etc.	mc.	1.269,21	6,14	7.792,95		
3	02.02.03b	Fourniture, étalement et cylindrage, etc.	mc.	5.023,89	18,59	93.394,12		
		TOTAL CHAPITRE				108.428,04	108.428,04	7,93
BETON-ACIER-COFRAGES								
4	03.01.09a	Béton pour lits, etc.	mc.	118,11	75,07	8.866,52		
5	03.01.10c	Béton en fondations, etc.	mc.	409,07	94,36	38.599,85		
6	12.01.01	Additif antitermites	kg.	5.976,56	5,00	29.882,80		
7	03.04.01b	Acier Feb44k	kg.	24.544,32	1,08	26.507,87		
8	3.04.02	Réseau électrosoudé, etc.	kg.	140.567,32	1,32	186.416,14		
9	03.01.11a	Coffrages en bois, etc.	mq.	297,64	21,69	6.455,81		
		TOTAL CHAPITRE				296.728,98	296.728,98	21,70
MAÇONNERIES-PLANCHERS								
10	12.01.04a	Plancher industriel	mq.	17.414,00	28,40	494.557,60		
11	12.01.04b	Traitement antipoussière, etc.	mq.	17.414,00	3,46	60.252,44		
		TOTAL CHAPITRE				554.810,04	554.810,04	40,57
GRILLES								
12	12.01.11	Grilles en fer, etc. y compris automation	kg.	4.193,20	3,00	12.579,60		
		TOTAL CHAPITRE				12.579,60	12.579,60	0,92
DISPOSITIONS ZONES VERTES								
13	14.01.01	Étalement et modelage terrain cultivable, etc	mc.	13.464,00	26,25	353.430,00		
14	14.01.02	Labourage mécanique, etc.	mq.	13.464,00	0,32	4.241,16		
15	14.01.03	Béchage mécanique, etc.	mq.	13.464,00	0,22	2.989,01		
16	14.01.04	Repiquage de plantes, etc.	cad.	70,00	100,00	7.000,00		
17	14.01.05	Formation de pré, etc. y compris graine	mq.	7.760,00	3,00	23.280,00		
18	14.01.06	Fumure plantes, etc.	cad.	70,00	0,60	42,00		
19	14.01.07	Fumure pré, etc.	mq.	7.760,00	0,52	4.035,20		
		TOTAL CHAPITRE				395.017,37	395.017,37	28,88
		TOTAL TRAVAUX					1.367.564,03	100



COSTS ESTIMATE								
NO.	ARTICLE CODE	BRIEF DESCRIPTION	UNIT	QUANTITY	PRICE/UNIT	AMOUNT EURO	CHAPTER	%
EXCAVATION								
1	02.01.01a	Open working-face excavations, etc	m ³	270,40	6,00	1.622,40		
2	02.01.05.a	Compulsory excavations, etc	m ³	5.807,80	11,44	66.441,23		
3	02.02.01a	Reburials, etc	m ³	3.767,20	6,14	23.130,61		
4	03.01.01d	Drilled pole, etc	meters	5.440,00	82,92	451.084,80		
5	02.02.03b	Supply, spreading, rolling, etc	m ³	2.537,46	18,59	47.171,38		
		CHAPTER TOTAL				589.450,42	589.450,42	28,42
CONCRETE - STEEL - FORMWORK								
6	03.01.09a	High-density inert matter concrete	m ³	146,00	75,07	10.960,22		
7	03.01.10c	Concrete for foundations, etc	m ³	3.908,00	94,36	368.758,88		
8	12.01.01	Anti-termite treatment, etc	kg	5.308,49	5,00	26.542,44		
9	03.04.01b	Feb44k steel	kg	312.729,00	1,08	337.747,32		
10	3.04.02	Electrically melded net, etc	kg	122.097,00	1,32	161.168,04		
11	12.01.02	U-bars, pannel fastening, etc	kg	0,00	2,00	0,00		
12	03.01.11a	Wooden formwork, etc	m ²	6.401,30	21,69	138.844,20		
		CHAPTER TOTAL				1.044.021,11	1.044.021,11	50,33
MASONWORK - BASE BOARDING - INTERNAL DIVISIONS								
13	05.01.09b	Masonwork in 15-cm-thick concrete blocks, e	m ²	160,00	21,04	3.366,40		
14	05.01.09c	Masonwork in 20-cm-thick concrete blocks, e	m ²	940,00	22,38	21.037,20		
15	05.01.09.d	Masonwork in 25-cm-thick concrete blocks, e	m ³	0,00	186,14	0,00		
		CHAPTER TOTAL				24.403,60	24.403,60	1,18
PLASTERING								
16	07.01.02c	Rustic plastering, etc	m ²	1.276,80	17,56	22.420,61		
17	07.01.03c	"Civil Plaster"	m ²	748,80	18,74	14.032,51		
		CHAPTER TOTAL				36.453,12	36.453,12	1,76
LOOSE STONE FOUNDATION								
18	12.01.03	Loose stone foundation with igloo	m ²	540,80	55,20	29.852,16		
		CHAPTER TOTAL				29.852,16	29.852,16	1,44
FLOORINGS AND LININGS								
19	12.01.04a	Industrial flooring	m ²	7.797,00	28,40	221.434,80		
20	12.01.04b	Anti-dust treatment, etc	m ²	7.797,00	3,46	26.977,62		
21	3.02.10	Foundations, etc	m ²	540,80	11,75	6.354,40		
22	08.01.18d	Stoneware tiles, etc	m ²	730,00	25,00	18.250,00		
23	07.02.03b	False ceiling, etc	m ²	480,00	32,48	15.590,40		
		TOTAL CHAPTER				288.607,22	288.607,22	13,91

ESTIMATION DES TRAVAUX								
N.	CODE ART.	DESCRIPTION SYNTETIQUE	U.M	Q.TE'	PR. UN. EURO	MONTANT EURO	CHAPITRE	%
EXCAVATIONS								
1	02.01.01a	Excavations à ciel ouvert, etc.	mc.	270,40	6,00	1.622,40		
2	02.01.05.a	Excavations à section obligée, etc.	mc.	5.807,80	11,44	66.441,23		
3	02.02.01a	Remblais, etc.	mc.	3.767,20	6,14	23.130,61		
4	03.01.01d	Pieu foré	ml.	5.440,00	82,92	451.084,80		
5	02.02.03b	Fourniture, étalement et cylindrage, etc.	mc.	2.537,46	18,59	47.171,38		
		TOTAL CHAPITRE				589.450,42	589.450,42	28,42
BETON-ACIER-COFFRAGES								
6	03.01.09a	Béton pour lits, etc.	mc.	146,00	75,07	10.960,22		
7	03.01.10c	Béton en fondations, etc.	mc.	3.908,00	94,36	368.758,88		
8	12.01.01	Additif antitermites	kg.	5.308,49	5,00	26.542,44		
9	03.04.01b	Acier Feb44k	kg.	312.729,00	1,08	337.747,32		
10	3.04.02	Réseau électrosoudé, etc.	kg.	122.097,00	1,32	161.168,04		
11	12.01.02	Fers en U, fermeture panneaux, etc.	Kg.	0,00	2,00	0,00		
12	03.01.11a	Coffrages en bois, etc.	mq.	6.401,30	21,69	138.844,20		
		CHAPTER TOTAL				1.044.021,11	1.044.021,11	50,33
MAÇONNERIES-PLANCHERS-DIVISIONS INTERIEURES								
13	05.01.09b	Murage en blocs de béton, ép. 15 cm etc.	mq.	160,00	21,04	3.366,40		
14	05.01.09c	Murage en blocs de béton, ép. 20 cm etc.	mq.	940,00	22,38	21.037,20		
15	05.01.09.d	Murage en blocs de béton, ép. 25 cm etc.	mc.	0,00	186,14	0,00		
		CHAPTER TOTAL				24.403,60	24.403,60	1,18
ENDUITS								
16	07.01.02c	Enduit rustique, etc.	mq.	1.276,80	17,56	22.420,61		
17	07.01.03c	Enduit à civil	mq.	748,80	18,74	14.032,51		
		TOTAL CHAPITRE				36.453,12	36.453,12	1,76
VIDES SANITAIRES								
18	12.01.03	Vide sanitaire avec igloo, etc.	mq.	540,80	55,20	29.852,16		
		TOTAL CHAPITRE				29.852,16	29.852,16	1,44
PLANCHERS ET REVETEMENTS								
19	12.01.04a	Plancher industriel	mq.	7.797,00	28,40	221.434,80		
20	12.01.04b	Traitement antipoussière, etc.	mq.	7.797,00	3,46	26.977,62		
21	3.02.10	Hourdis, etc.	mq.	540,80	11,75	6.354,40		
22	08.01.18d	Carreaux en grès, etc.	mq.	730,00	25,00	18.250,00		
23	07.02.03b	Faux plafond, etc.	mq.	480,00	32,48	15.590,40		
		TOTAL CHAPTER				288.607,22	288.607,22	13,91



DOORS							
24	09.01.04a	Wooden inner door, etc	m²	44,60	100,00	4.460,00	
25	12.01.05	Book door, etc	m²	25,00	350,00	8.750,00	
26	12.01.06	Impactable doors, etc	m²	0,00	200,00	0,00	
27	12.01.07	Sectional doors, etc	m²	0,00	180,00	0,00	
28	12.01.08	Small entrance doors, etc	each	7,00	560,00	3.920,00	
29	12.01.09	External doorframes and glass doors	m²	23,60	300,00	7.080,00	
TOTAL CHAPTER				24.210,00		24.210,00	1,17
PREFABRICATED STRUCTURES							
30	13.01.01	Prefabricated plinth, etc	each	0,00	920,00	0,00	
31	13.01.02	Prefabricated pillar, etc	meters	0,00	200,00	0,00	
32	13.01.03	Prefabricated beams of variable height, etc	meters	0,00	250,00	0,00	
33	13.01.04	Prefabricated beams (height: 70 cm)	meters	0,00	150,00	0,00	
34	03.03.01c	Concrete load for the filling of false ceilings, etc	m³	0,00	117,95	0,00	
35	3.04.02	Electrically melded net, etc	kg	0,00	1,32	0,00	
36	13.01.05	Prefabricated U-beams, etc	meters	0,00	120,00	0,00	
37	13.01.06	Prefabricated buffering panels, etc	m²	0,00	90,00	0,00	
38	13.01.07	Prefabricated roof tiles, etc	m²	0,00	50,00	0,00	
39	13.01.08	Tiles for false ceiling, etc	m²	0,00	100,00	0,00	
40	13.01.09	Sandwich panels for roofings, etc	m²	0,00	30,00	0,00	
41	13.01.10	Fiberglass transparent flagstones	m²	0,00	28,20	0,00	
42	13.01.11	Wavy fiberglass, etc	m²	0,00	13,20	0,00	
43	13.01.12	Fittings for roofings, etc	m²	0,00	14,80	0,00	
44	13.01.13	Gutter lining, etc	m²	0,00	14,70	0,00	
45	13.01.14	Rubber profile for joints	meters	0,00	9,00	0,00	
TOTAL CHAPTER				0,00		0,00	0,00
MISCELLANEOUS							
46	12.01.10	Iron stairs, etc	each	1,00	10.000,00	10.000,00	
TOTAL CHAPTER				10.000,00		10.000,00	0,48
MASONRY ASSISTANCE							
47	13.01.15	Assistance for prefabricated structure, etc	each	136,00	200,00	27.200,00	
TOTAL CHAPTER				27.200,00		27.200,00	1,31
TOTAL WORKS						2.074.197,63	100

PORTES ET PORTES COCHÈRES							
24	09.01.04a	Tambour en bois, etc.		44,60	100,00	4.460,00	
25	12.01.05	Porte cochère plante, etc.		25,00	350,00	8.750,00	
26	12.01.06	Porte cochère accordéon, etc.		0,00	200,00	0,00	
27	12.01.07	Porte cochère sectionnaire, etc.		0,00	180,00	0,00	
28	12.01.08	Portes d'entrée, etc.		7,00	560,00	3.920,00	
29	12.01.09	Serrureries extérieures et vitrages		23,60	300,00	7.080,00	
TOTAL CHAPTER				24.210,00		24.210,00	1,17
STRUCTURE PREFABRIQUEE							
30	13.01.01	Plinthe préfabriqué, etc.	cad.	0,00	920,00	0,00	
31	13.01.02	Pilier préfabriqué, etc	ml.	0,00	200,00	0,00	
32	13.01.03	Poutres préf. à hauteur variable, etc.	ml.	0,00	250,00	0,00	
33	13.01.04	Poutres préf. hauteur 70 cm, etc.	ml.	0,00	150,00	0,00	
34	03.03.01c	Jet de complètement mézanines, etc.	mc.	0,00	117,95	0,00	
35	3.04.02	Réseau électrosoudé, etc.	kg.	0,00	1,32	0,00	
36	13.01.05	Poutres préfab. en U, etc.	ml.	0,00	120,00	0,00	
37	13.01.06	Panneaux de tamponnement préf. etc.	mq.	0,00	90,00	0,00	
38	13.01.07	Tuiles de couvertures préf. etc.	mq.	0,00	50,00	0,00	
39	13.01.08	Tuiles pour mézanines, etc.	mq.	0,00	100,00	0,00	
40	13.01.09	Panneaux sandwich pour couverture, etc.	mq.	0,00	30,00	0,00	
41	13.01.10	Plaques transparentes en vitrorésine, etc.	mq	0,00	28,20	0,00	
42	13.01.11	Vitrorésine ondulée, etc.	mq.	0,00	13,20	0,00	
43	13.01.12	Solins de couronnement, etc.	mq.	0,00	14,80	0,00	
44	13.01.13	Revêtement chéneaux, etc.	mq.	0,00	14,70	0,00	
45	13.01.14	Profil en caoutchouc pour joints, etc.	ml.	0,00	9,00	0,00	
TOTAL CHAPTER				0,00		0,00	0,00
DIVERS							
46	12.01.10	Escaliers en fer, etc.	cad.	1,00	10.000,00	10.000,00	
TOTAL CHAPTER				10.000,00		10.000,00	0,48
ASSISTANCES DE MAÇONNERIE							
47	13.01.15	Assistance structure, etc.	cad.	136,00	200,00	27.200,00	
TOTAL CHAPTER				27.200,00		27.200,00	1,31
TOTAL TRAVAUX						2.074.197,63	100



SUMMARY CHART AREAS AND COSTS

FACTORY CODE
CDA F1

LOT AREA m ²	COVERED AREA m ²	PARKING, ROAD AND YARD AREA m ²	PERMEABLE AREA m ²
38.675,00	7.797,00	17.414,00	13.464,00

COST OF FACTORY BUILDINGS €	COST OF OPEN AREA €	TOTAL COST €
3.136.449,61	1.367.564,03	5.004.025,32

TABLEAU RÉCAPITULATIF SURFACES ET COÛTS

CODE DE LA MAISON
CDA F1

SURFACE LOTTISSEMENT m ²	SURFACE COUVERTE m ²	SURFACE PARKINGS, ROUTES ET PLACES m ²	SURFACE PERMEABLES m ²
38.675,00	7.797,00	17.414,00	13.464,00

COÛT USINES €	COÛT ZONE DÉCOUVERTE €	COÛT TOTAL €
3.136.449,61	1.367.564,03	5.004.025,32



TECHNICAL REPORT

GENERAL ARRANGEMENT

Company coding

Production sector of the company

Ferre

Type of raw material used

Ferre

Type of finished product

Electrowelded mesh / steel-reinforced concrete

Employees

- Total no. of employees : n. 94
- No. employees per shift : n. 47

Town planning data

- lot area : 38.675,00 m²
- covered area : 7.797,00 m²
- gross area : 7.797,00 m²
- road and yard area : 14.540,00 m²
- parking area : 2.874,00 m²
- permeable area : 13.464,00 m²
- distance between buildings : /
- distance from boundaries : min. 45,85 m
- ratio of covered area : 20,16%
- ratio of permeability : 34,81%

General construction data

- Number of buildings : 1
- Number of types : 1
- Type of infill : prefabricated concrete panel
- Type of interior flooring : concrete
- Type of exterior paving : concrete
- Enclosure between lots : prefabricated concrete slabs
- Enclosure from the road : prefabricated concrete - "comb" type

RAPPORT TECHNIQUE

DISPOSITION GENERALES

Codification de la société

Secteur de marchandises de la société

Iron

Typologie des matières premières utilisées

Iron

Typologie de produit fini

Treillis soudé / rond à béton pour l'armature

Préposés employés

- Total employés : n. 94
- Employés par roulement : n. 47

Données urbanistiques

- surface lotissement : 38.675,00 m²
- surface couverte : 7.797,00 m²
- surface brut : 7.797,00 m²
- surface routes et places : 14.540,00 m²
- surface parkings : 2.874,00 m²
- surface perméables : 13.464,00 m²
- distance entre les immeubles : /
- distance des limites : min. 45.85 m
- rapport de couverture : 20,16%
- rapport de perméabilité : 34,81%

Données de construction générales

- Nombre immeubles : 1
- Nombre typologie : 1
- Typologie de tamponnement : panneau préfabriqué en cls
- Typologie de pavage interne : béton
- Typologie de pavane externe : béton
- Clôture entre les lotissements : plaques préfabriquées en cls
- Clôture vers la route : préfabriquée en cls - type à "peigne"



DUAL SLOPE construction

The structure is composed of dual slope trusses and I-beam roofing elements, both of variable length, as well as eaves and valley gutter elements.

The roofing elements are laid side by side or spaced out to enable light to enter from above.

The dual slope trusses are made of pre-stressed reinforced concrete, with variable cross-section and thickness from 10 to 50 cm and slope of 10%.

The type envisaged in the project reaches a maximum length of 25 m.

The I-beam roofing element is made of pre-stressed reinforced concrete and is produced in various heights in relation to the span.

Valley gutter and eaves truss. The valley gutter eaves are unified components in pre-stressed reinforced concrete.

Curtain wall panels. Horizontal type, hooked to the bearing structures or set with mixed portal-framed system. They are 20 cm thick and reach a maximum height of 320 cm. The types differ according to the thermal protection and the construction system. They are made of vibrated reinforced concrete and have insulating material in between to achieve good thermal protection. The joints are male and female. The insulation used is thermal cutting sandwich type. The exterior trims can be smooth formwork, with washed river grit, with washed crushed marble, or on matrix in rubber as regards the identification of the buildings. The horizontal panels are positioned outside the structure and attached to the columns with concealed metal elements. The window arrangement can be continuous strip or with single compartments.

The anchorings are made of special "Halfen" type metal profiles that are incorporated in the casting of the columns of the trusses or of the roofing elements, bolted "L" plates attach the panels to the structure.

Foundations. The prefabricated socket that will house the column is set on reinforced concrete plate about 50 cm thick supported by 4 reinforced concrete poles diameter 60 cm that reach a depth of 25 m. There is also a connecting truss between the perimeter columns with variable thickness depending on the structural layout.

Système constructif à DOUBLE PENTE

La structure se compose de poutres principales à double pentes et d'éléments de couverture à double T, chacun de longueur variable, ainsi que d'éléments gouttière et cornière.

Les éléments de couverture sont posés accostés ou avec des intervalles pour permettre l'éclairage zénithal.

La poutre à double pente est en béton armé précomprimé à section variable avec épaisseur de 10 à 50 cm. et pente de 10% .

La typologie prévue dans le projet atteint la longueur maximum de. 25m.

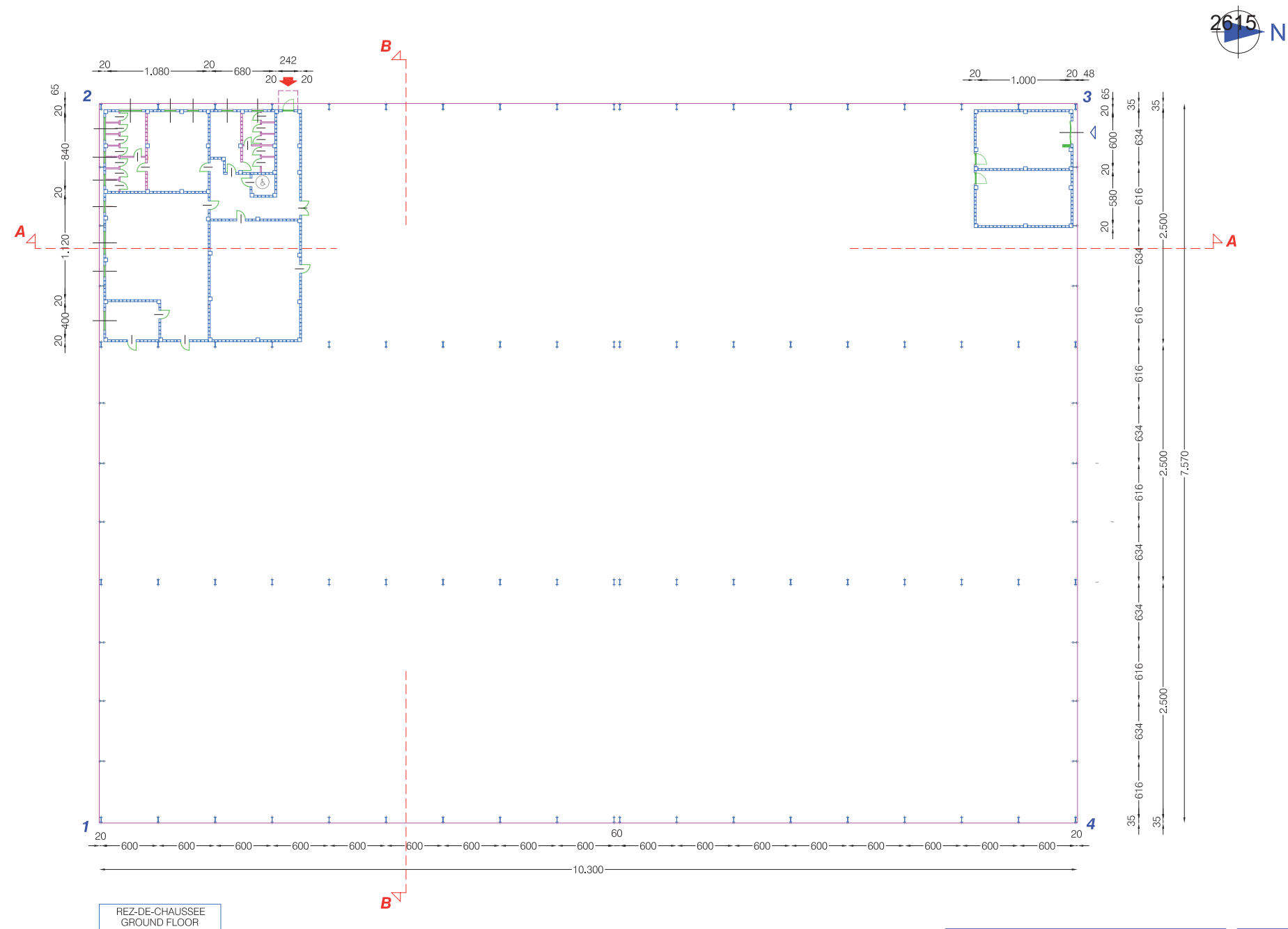
L'élément de couverture à double T est en béton armé précomprimé et produit en différentes hauteurs en relation à la lumière.

Poutre de cornière et de gouttière. Les gouttières cornières sont des composants unifiés en béton armé précomprimé.

Panneaux de tamponnement. Ils sont du type horizontal accrochés aux structures portants ou appuyés avec un système mixte à portail. Ils ont une épaisseur de 20 cm et une hauteur maximum pouvant atteindre 320 cm. Les typologies se différencient d'après la protection thermique et du système constructif. Ils sont réalisés en béton armé vibré et ont du matériel isolant interposé pour une meilleure protection thermique. Les joints sont mâle ou femelle. La typologie d'isolation utilisée est à sandwich à coupe thermique. Les finitions externes peuvent être à coffrage , avec gravillon de fleuve lavé, avec des morceaux de marbre lavés ou sur empreinte de matrice en ce qui concerne l'identification des édifices. Les panneaux horizontaux sont positionnés à l'extérieur de la structure et fixés aux poutres par des éléments métalliques coulissants. Les fenêtrages peuvent être continues à bande ou à ouverture singulière. Les ancrages sont réalisés avec des profils métalliques spéciaux type "Halfen" incorporés dans la coulée des poutres ou des éléments de couverture, des plaques à "elle" boulonnées fixent les panneaux à la structure.

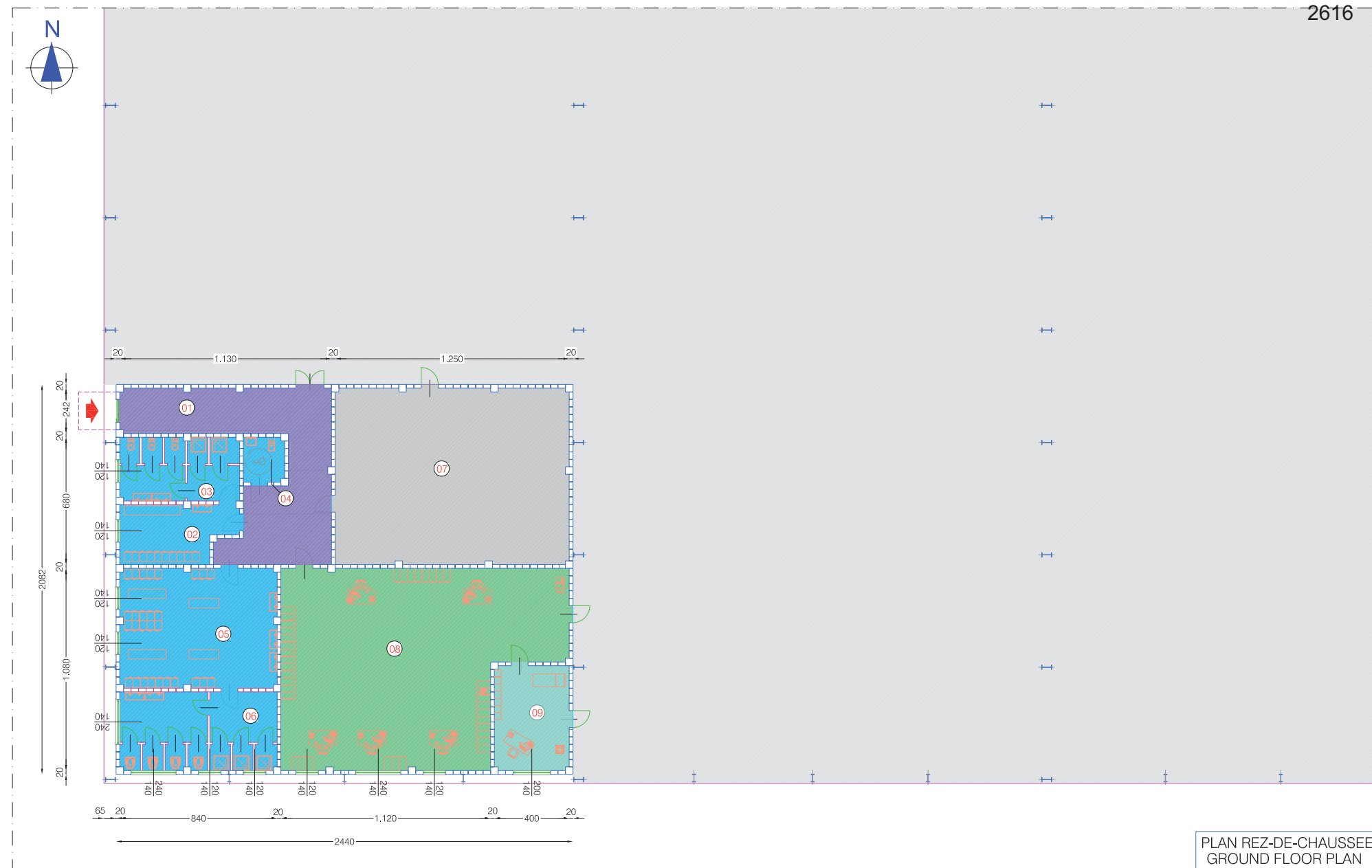
Les fondations . L'emboîtement préfabriqué qui logera la poutre est appuyé sur une plaque en béton armé d'une épaisseur d'environ 50 cm., celle-ci est soutenue par 4 poteaux en béton armé de 60 cm de diamètre atteignant une profondeur de 25 m. Une poutre de connexion est en outre prévue entre les poutres périmétrales d'une épaisseur variable en fonction de la maille structurale.





DRAWING DESSIN	03	CDA
PLAN PLAN	 a 1	





- | | | |
|---|---|--|
| 01 entrée - dégagement
entrance | 05 vestiaire pour hommes
men locker room | 09 secours d'urgence
first aid area |
| 02 vestiaire pour femmes
women locker room | 06 douches-services pour hommes
showers-toilet for men | entrée ouvrier
entrance workers |
| 03 douches-services pour femmes
showers-toilet for women | 07 magasins
storage | |
| 04 services pour handicapés
service for disabled person | 08 bureau
office | |

- | | |
|--|---------------------------------|
| entrée - dégagement
entrance | zone de travail
working area |
| zone vestiaire - services
locker room - service | magasins
storage |
| aire du secours d'urgence
first aid area | bureau
office |

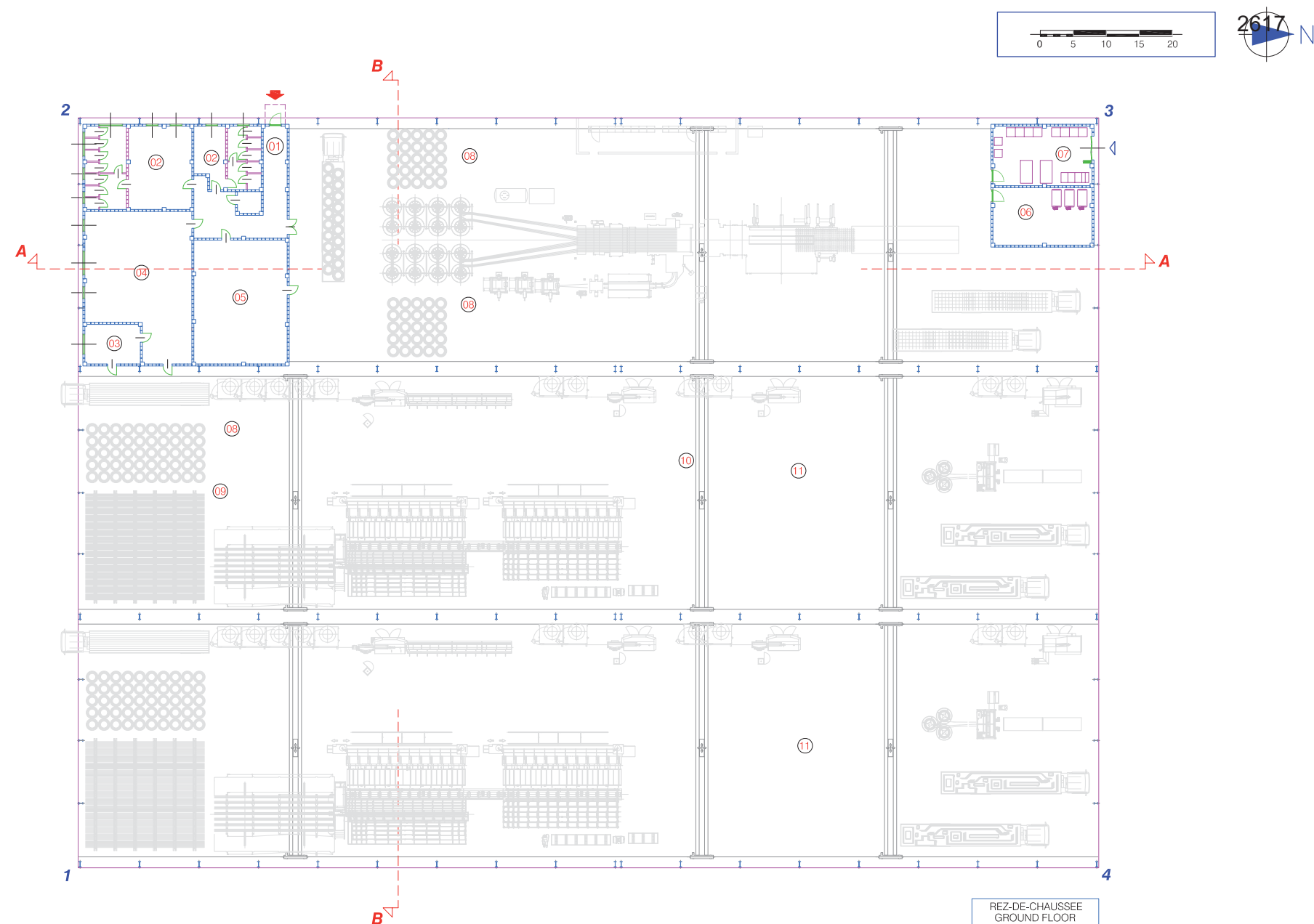
DESSIN
DRAWING

04

CDA

SERVICES GENERAUX
GENERAL SERVICE





- | | | | | | |
|---|--|---|--|---------------------------------------|------------------------------------|
| 01 entrée ouvrier
entrance workers | 03 secours d'urgence
first aid area | 05 magasins
storage | 07 MT/LT cabine électrique 2 MW
MT/LT transformere station 2 MW | 09 depot barres
rebar storing area | 11 zone de travail
working area |
| 02 zone vestiaire - services
locker room - service | 04 bureau
office | 06 chambre des compresseurs
compressors room | 08 depot couronnes
coils storing area | 10 pont roulant
bridge crane | |

DESSIN
DRAWING

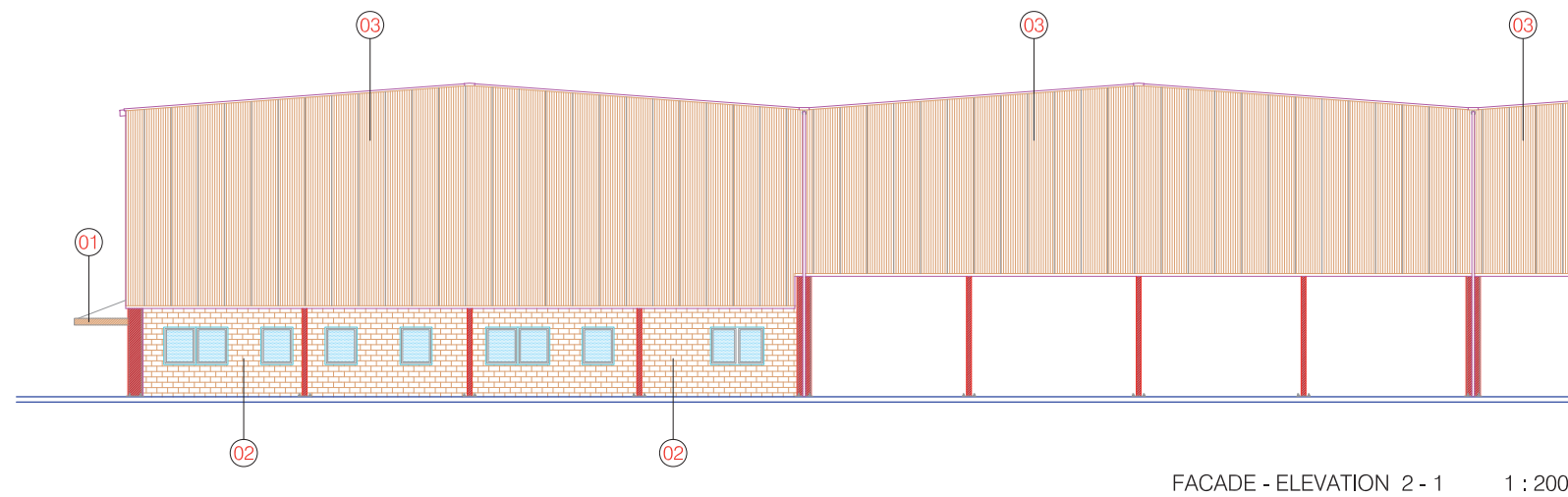
05

CDA

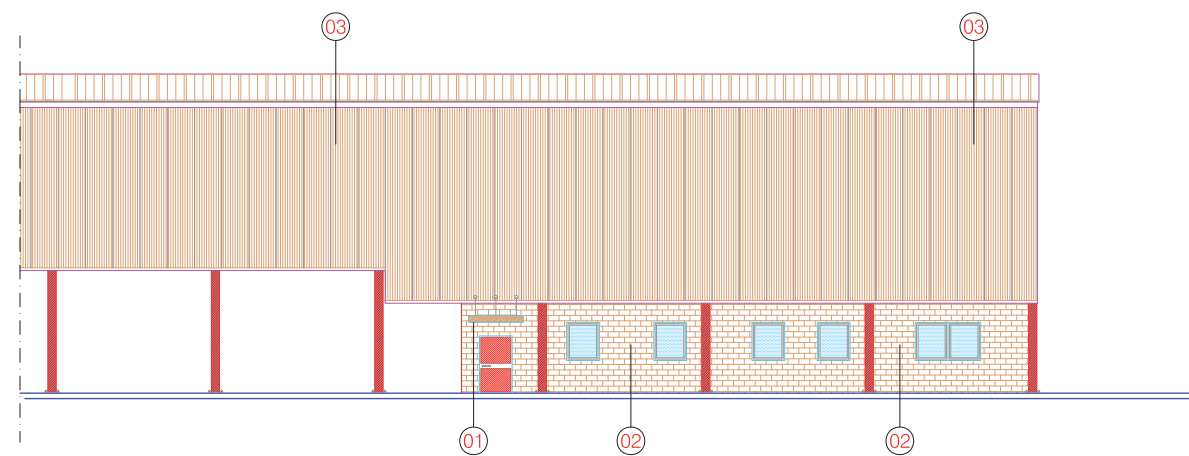
ZONES FONCTIONNELLES
FUNCTIONAL AREAS

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a 1





FACADE - ELEVATION 2 - 1 1 : 200



FACADE - ELEVATION 3-2 1 : 200

- 01 auvent de couverture entrée
entrance covering platform
- 02 mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- 03 panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation

DESSIN
DRAWING 08a

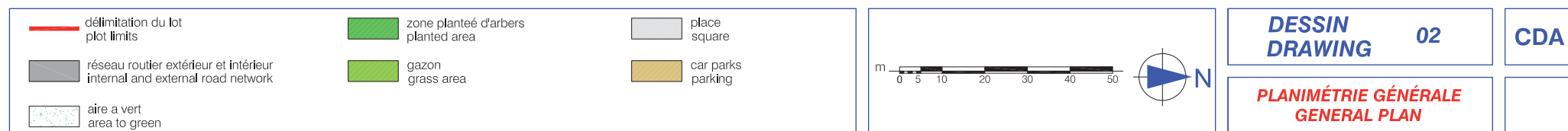
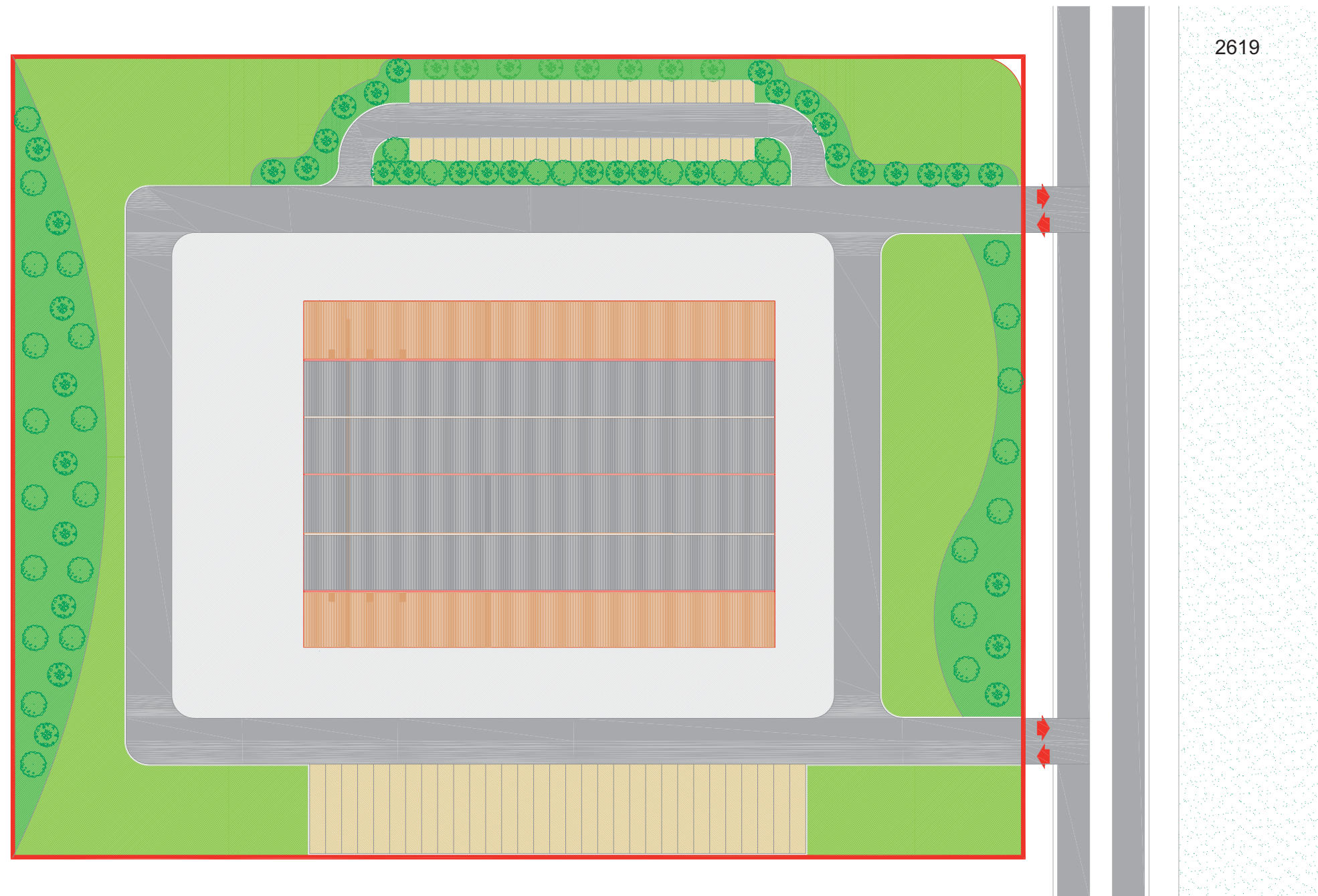
CDA

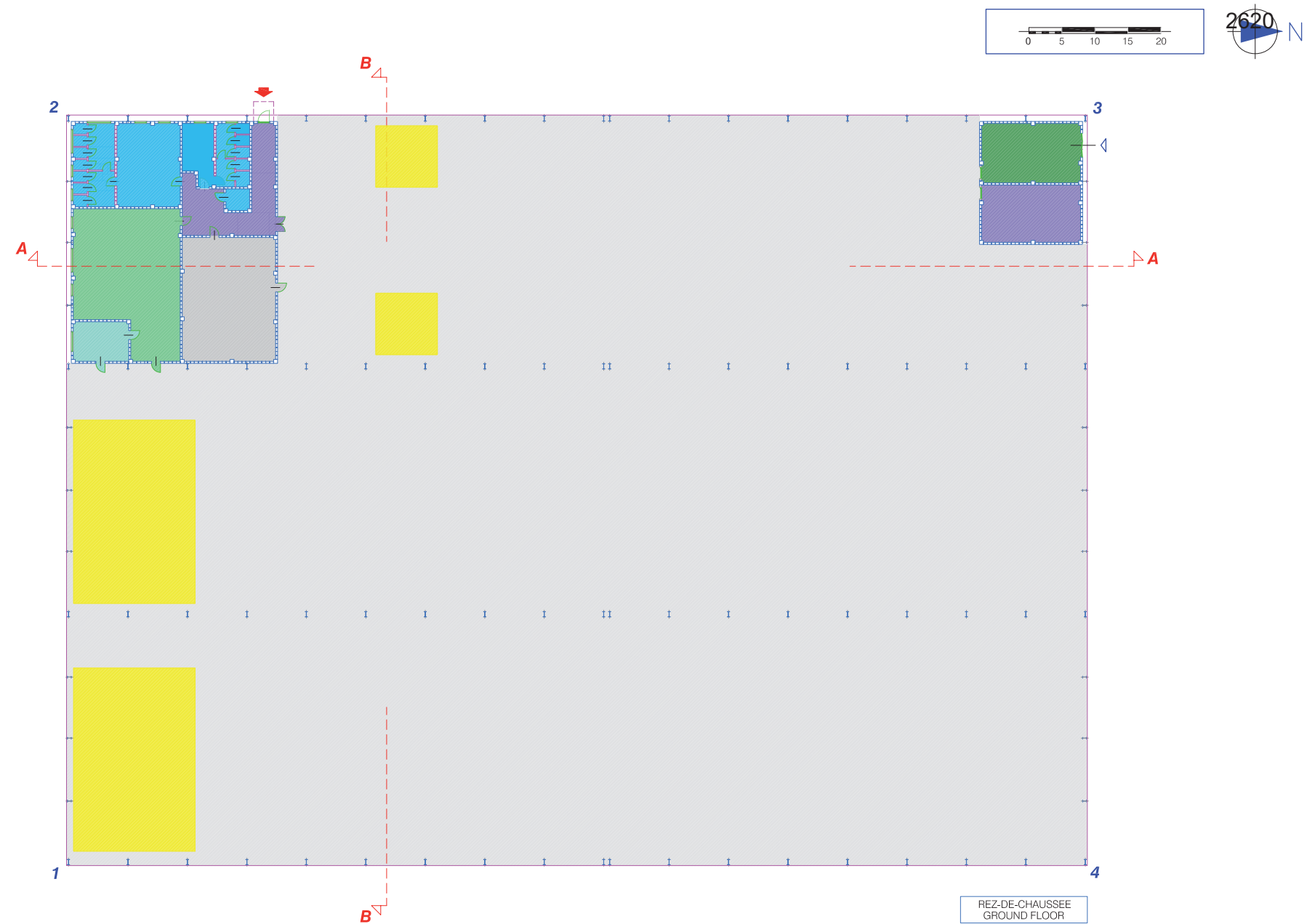
COUPES-FACADES

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a 1

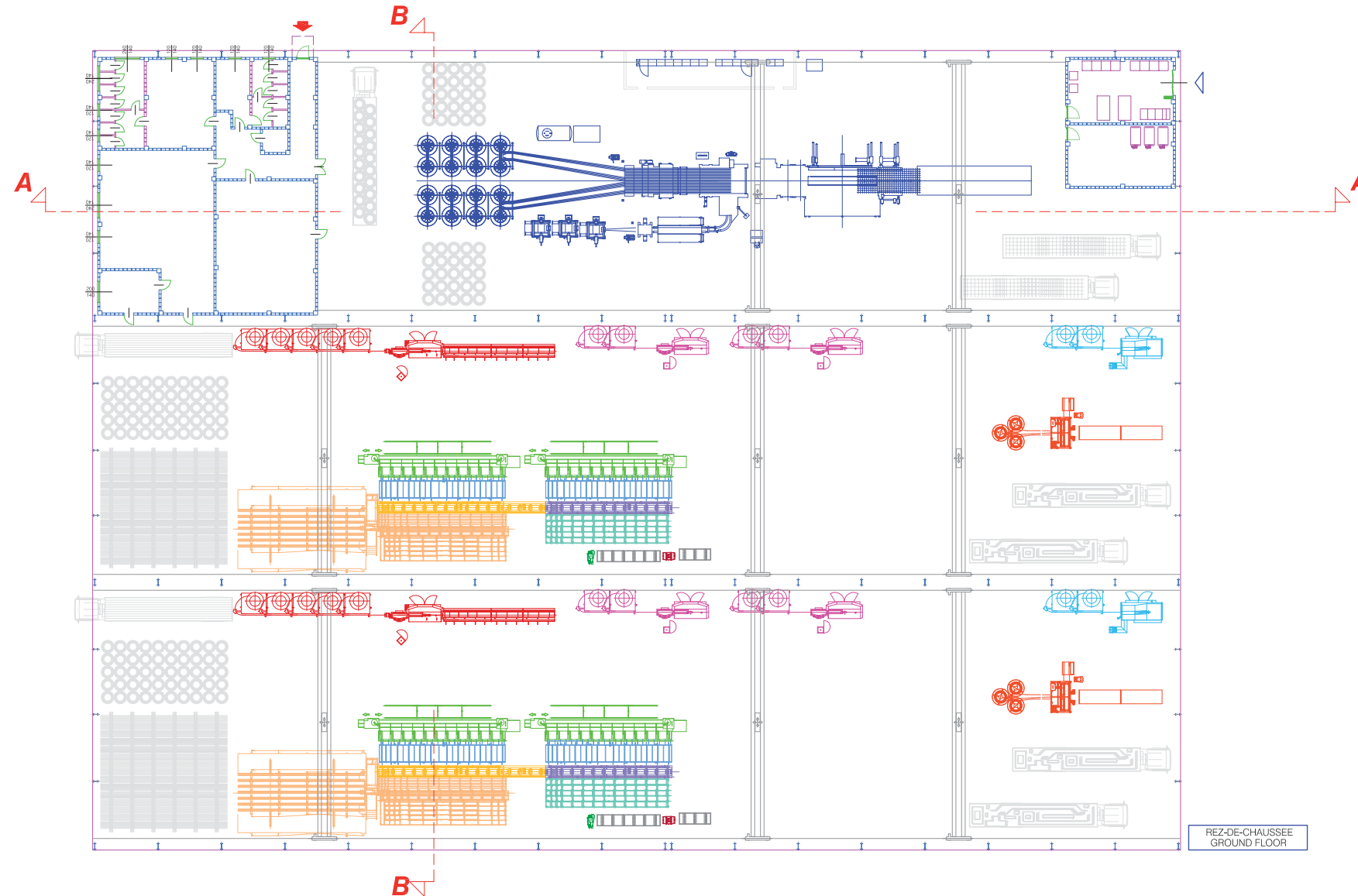
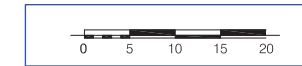


U+





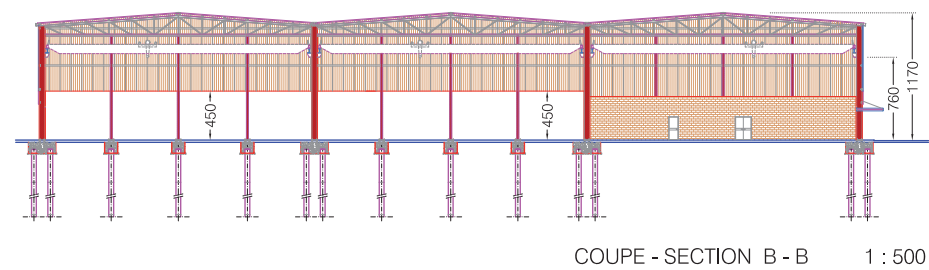
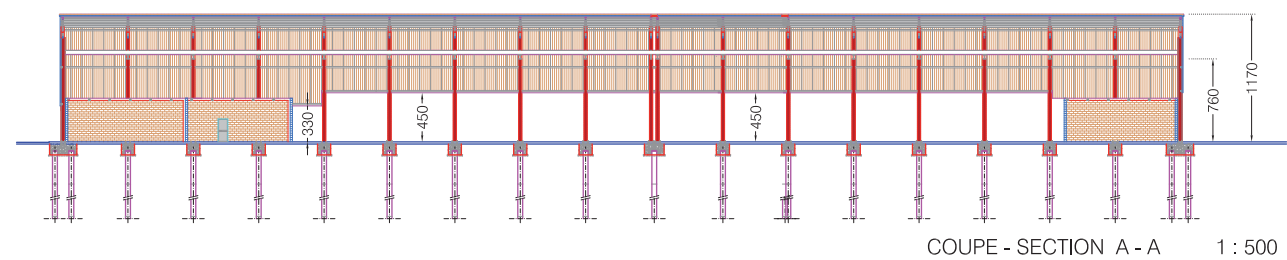
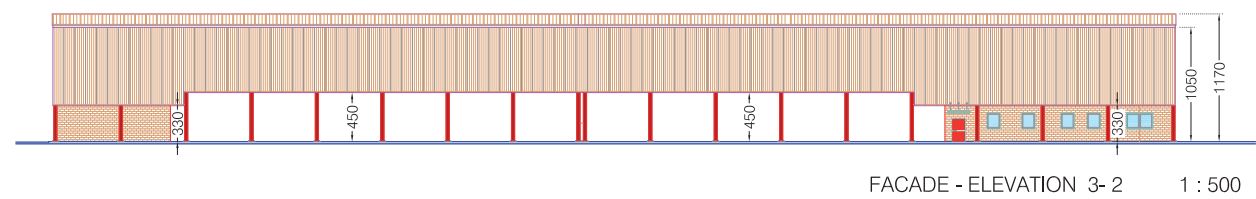
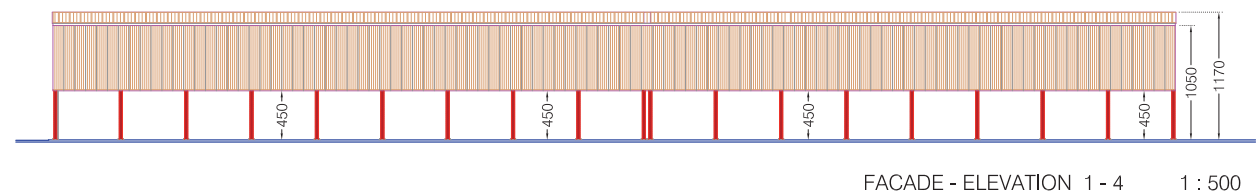
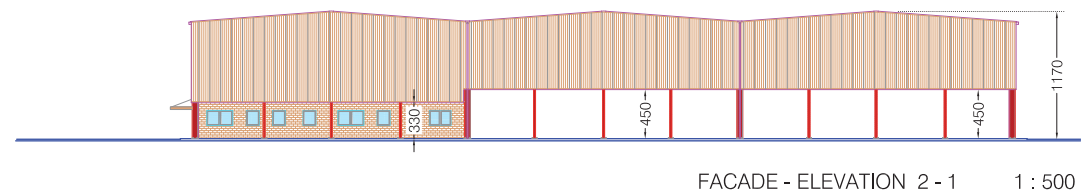
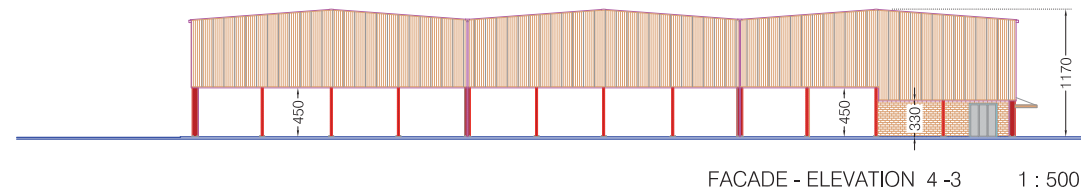
 bureau office	 stock produit fini stock final product	 MT/LT cabine de transformation MT/LT transformer station	 aire du secours d'urgence first aid area
 zone de travail working area	 zone vestiaire - services locker room - service	 zone technique technical area	 magasins storage
DESSIN DRAWING 02 CDA			
ZONES FONCTIONNELLES FUNCTIONAL AREAS a 1			



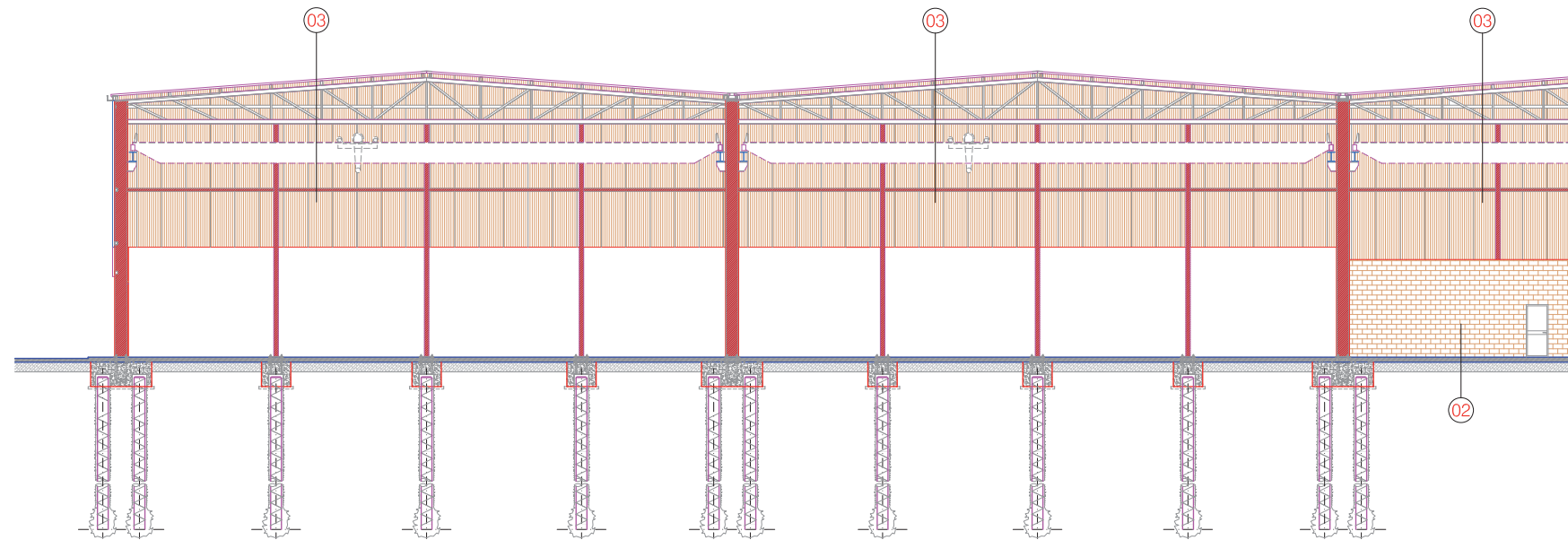
- twin p weld - redresseuses automatique preform - cadreuse automatique format-s - cadreuse automatique concept 91 - centre de faonnage mod. cs 40 sx	- extention dispositif d'alimentation par chaîne, 6 casiers 12m - rateller de stockage, 4 casiers 12m mod. rb4s/12 - voei a galets motorise, dachargement unilateral, 15m mod. b1m1r/15 - systeme automatique de couoe mod. cut-line - cadreuse-faconneuse automatique mini syntax	- banc de transport et travail, 6m mod. tpr 6 - coudeuses bi-directionelle mod. p130e - cisaille électrique mod. t245 - voie galets motorise, de chargement sur les 2 cotes, 12m mod. b1m2r/12
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DESSIN DRAWING	06	CDA
PLAN PRODUCTION PRODUCTION LAY-OUT		

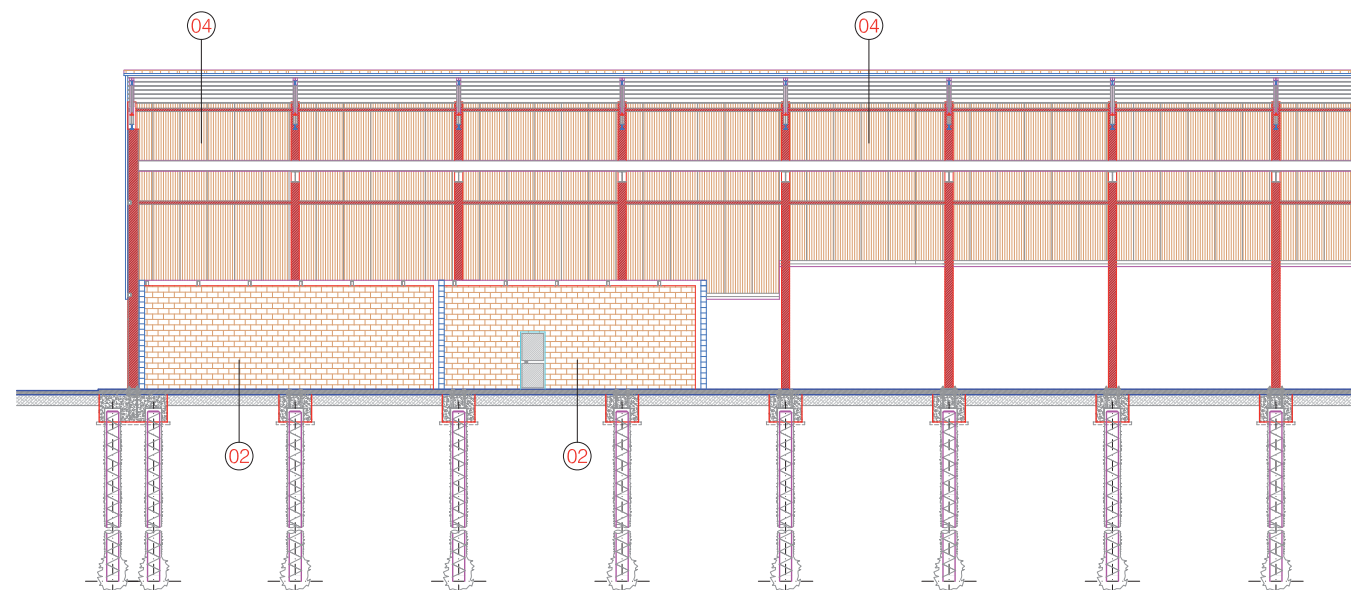




DESSIN DRAWING	07	CDA
COUPES-FACADES SECTIONS-ELEVATIONS	 a 1	



COUPE - SECTION B - B 1 : 200



COUPE - SECTION A - A 1 : 200

- 02 mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- 03 panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation

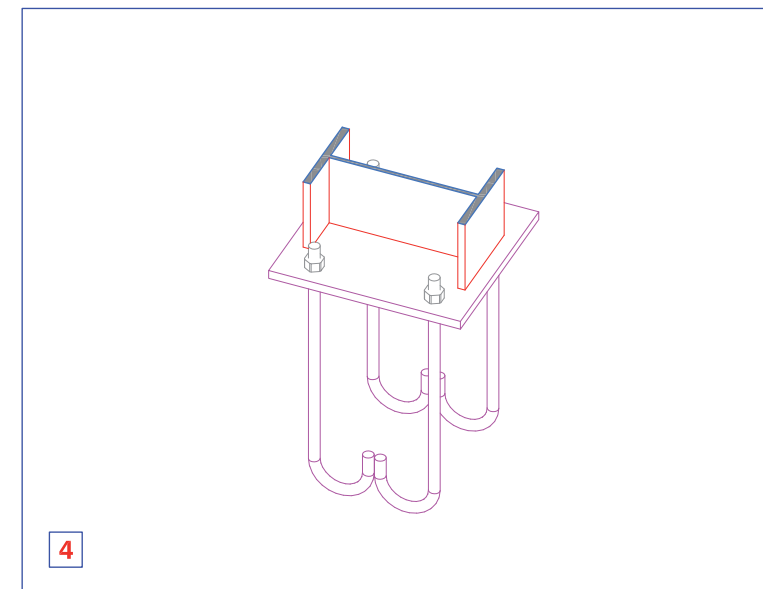
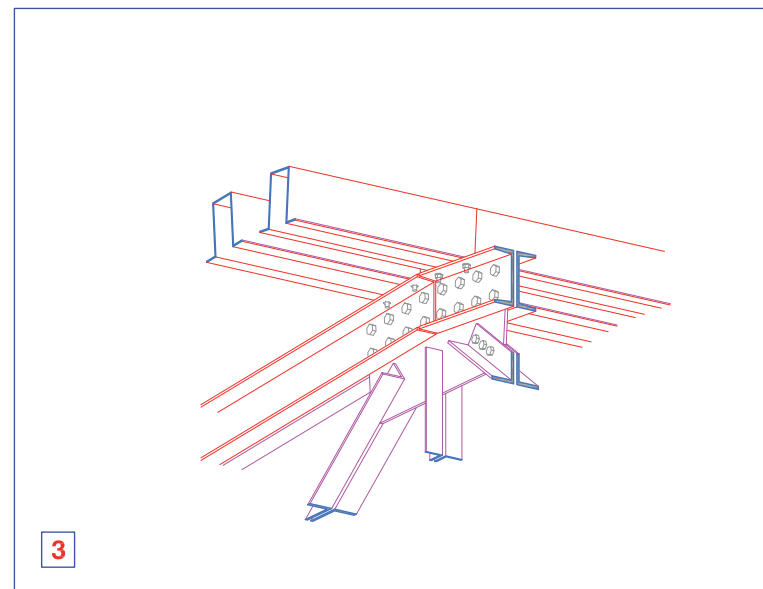
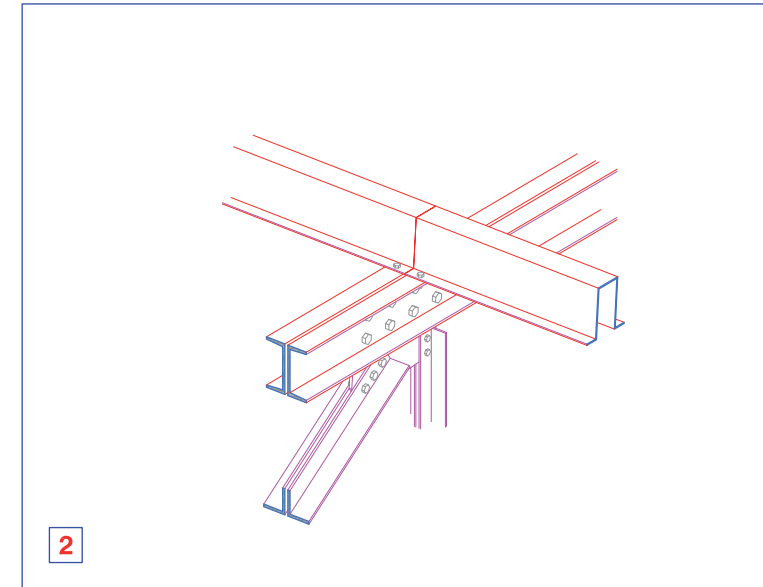
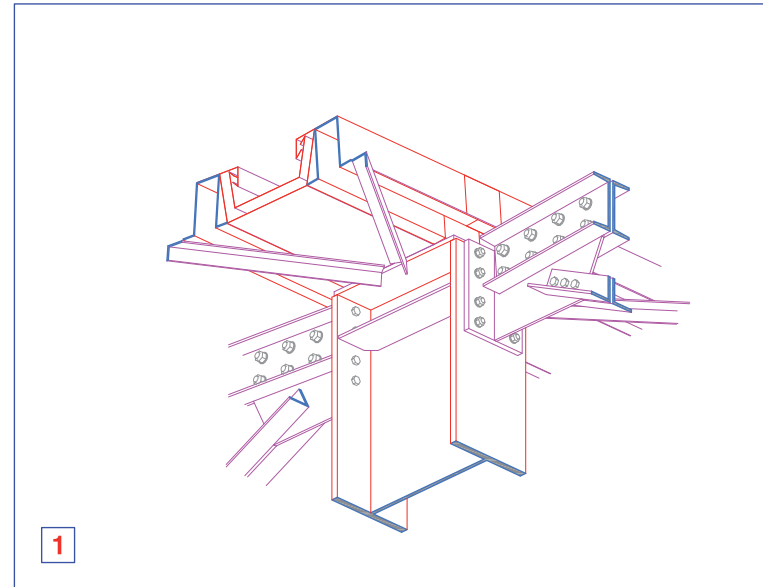
DESSIN
DRAWING 08

CDA

SECTIONS-ELEVATIONS

.....
a 1

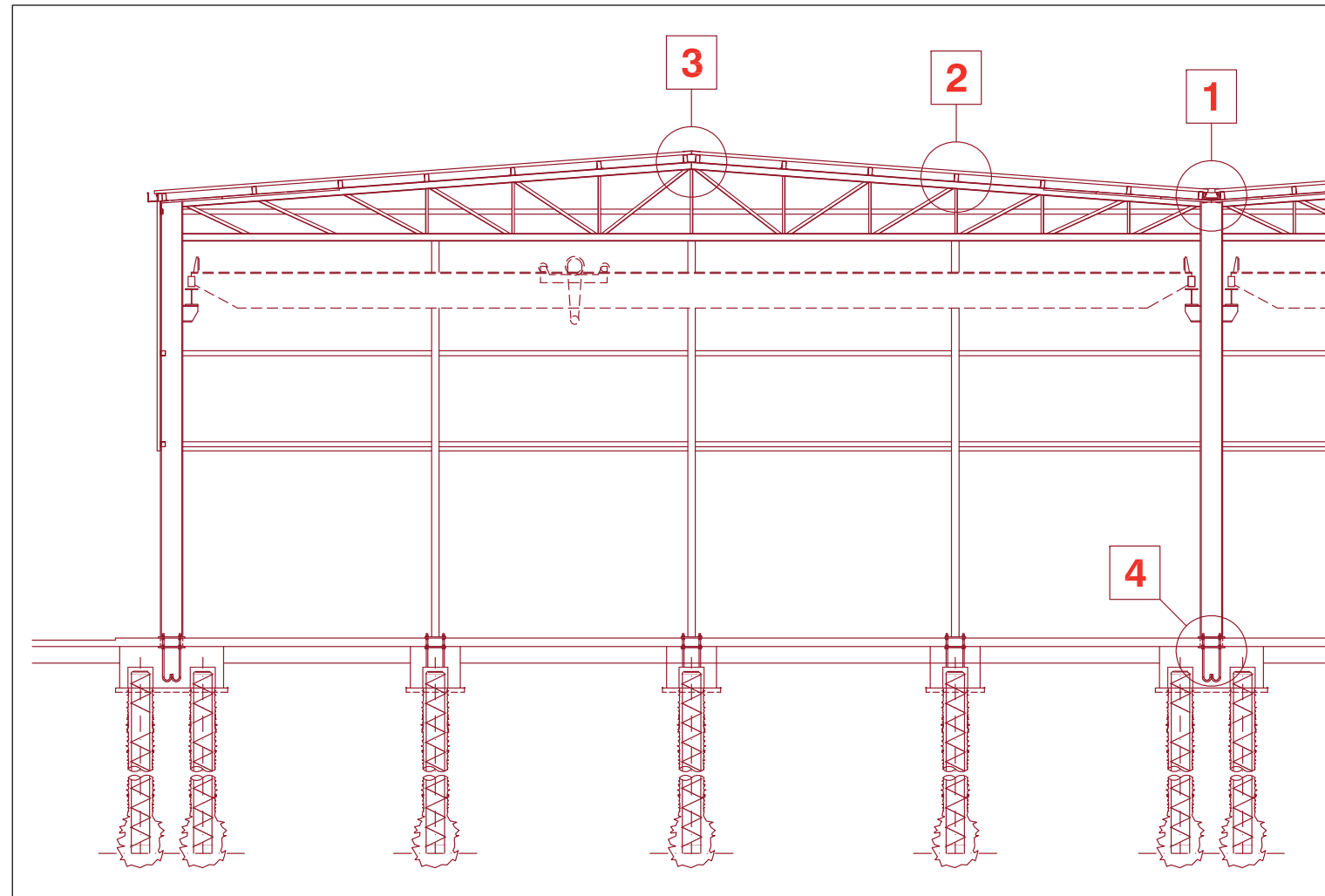




DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A1

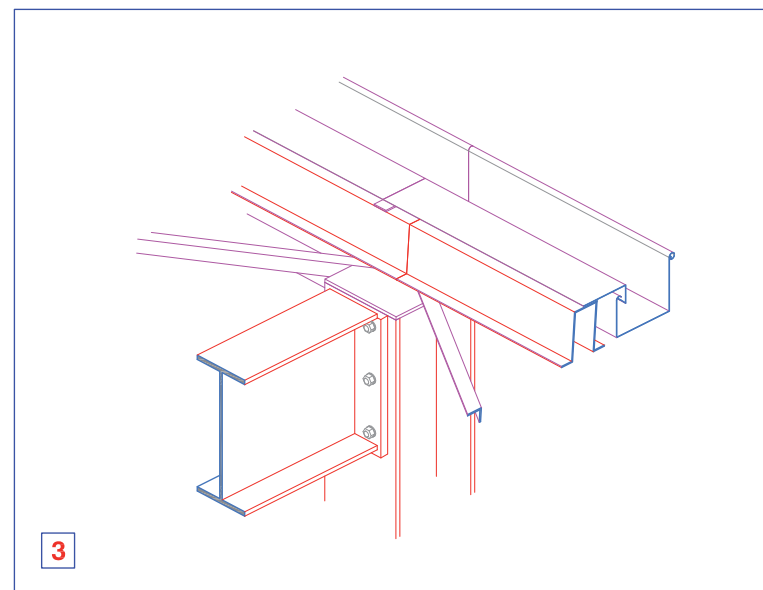
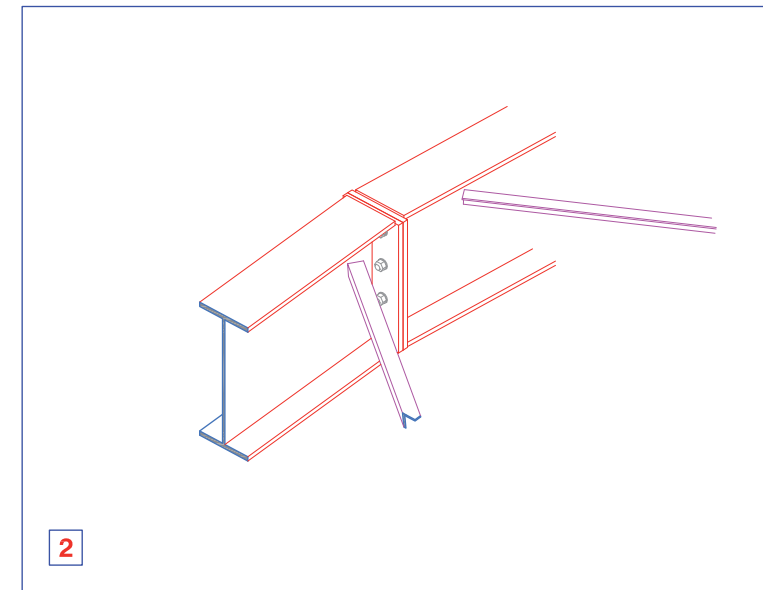
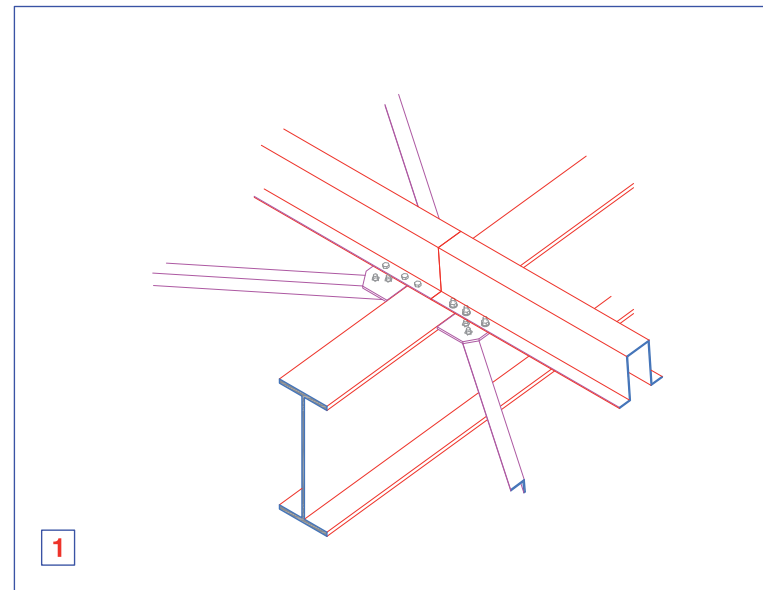
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A

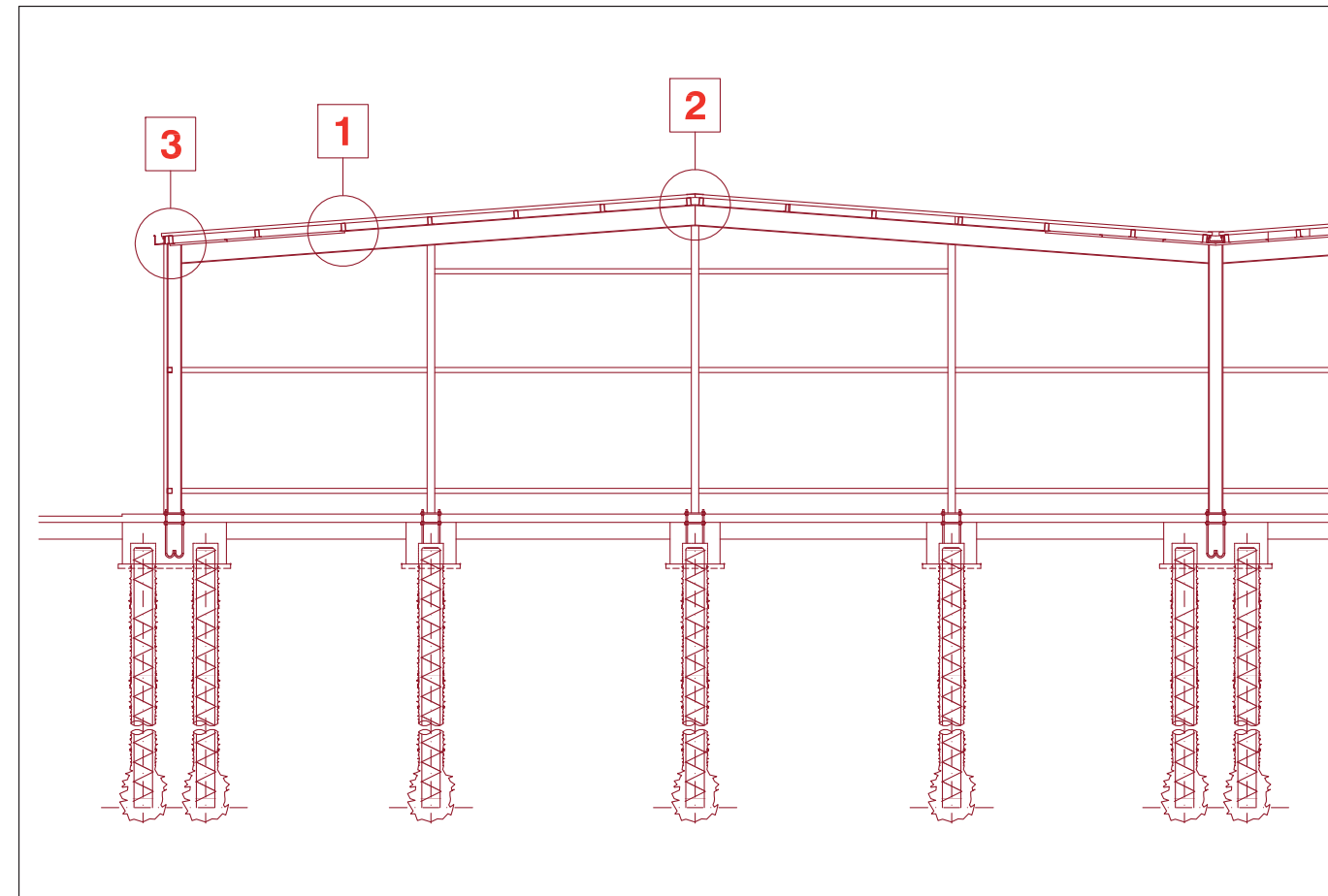
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**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

B1

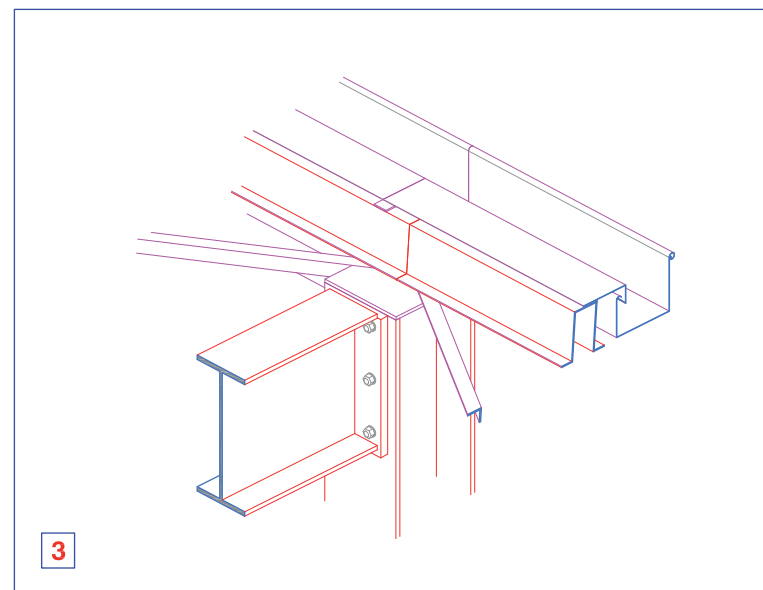
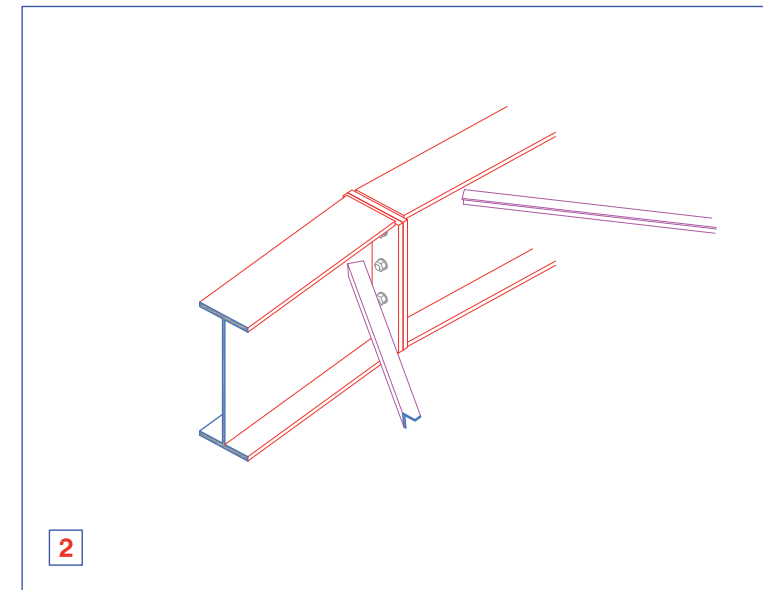
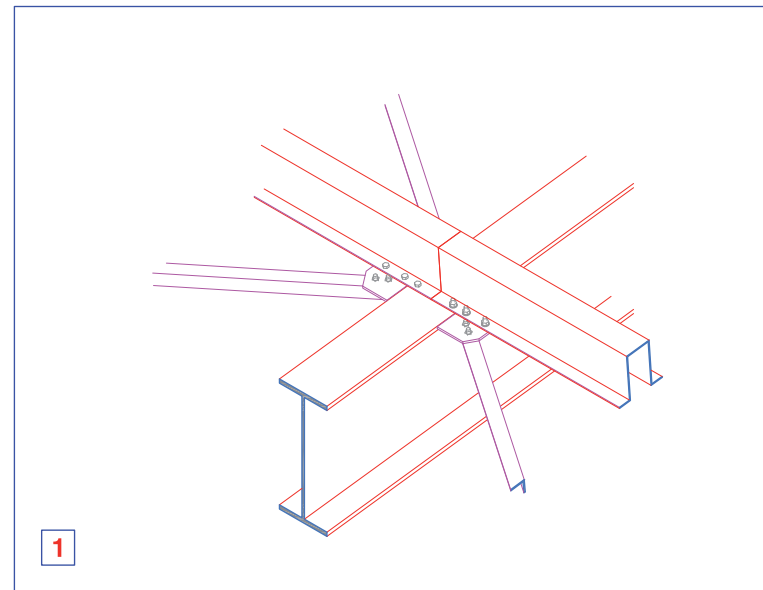
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**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

B

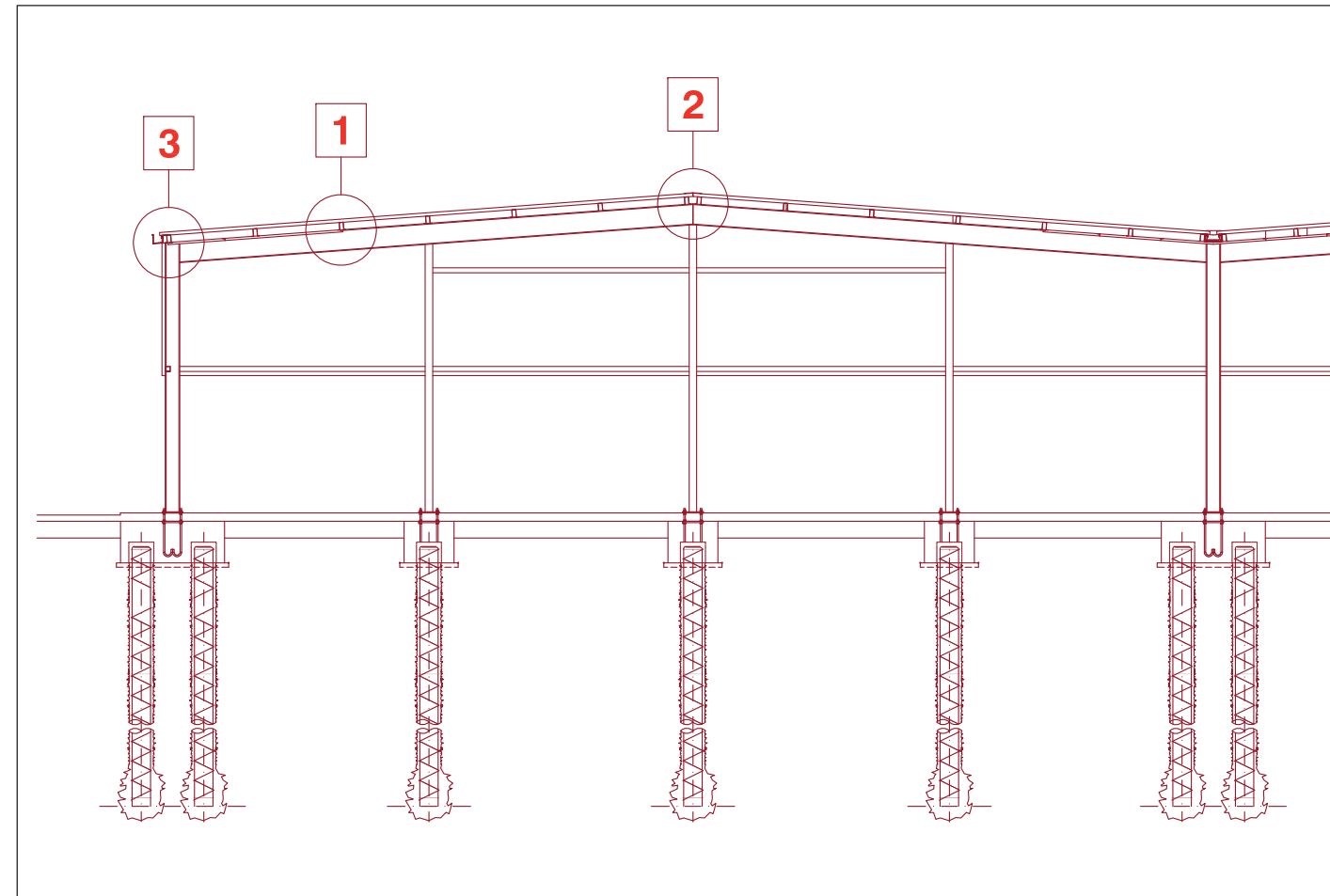
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

C1

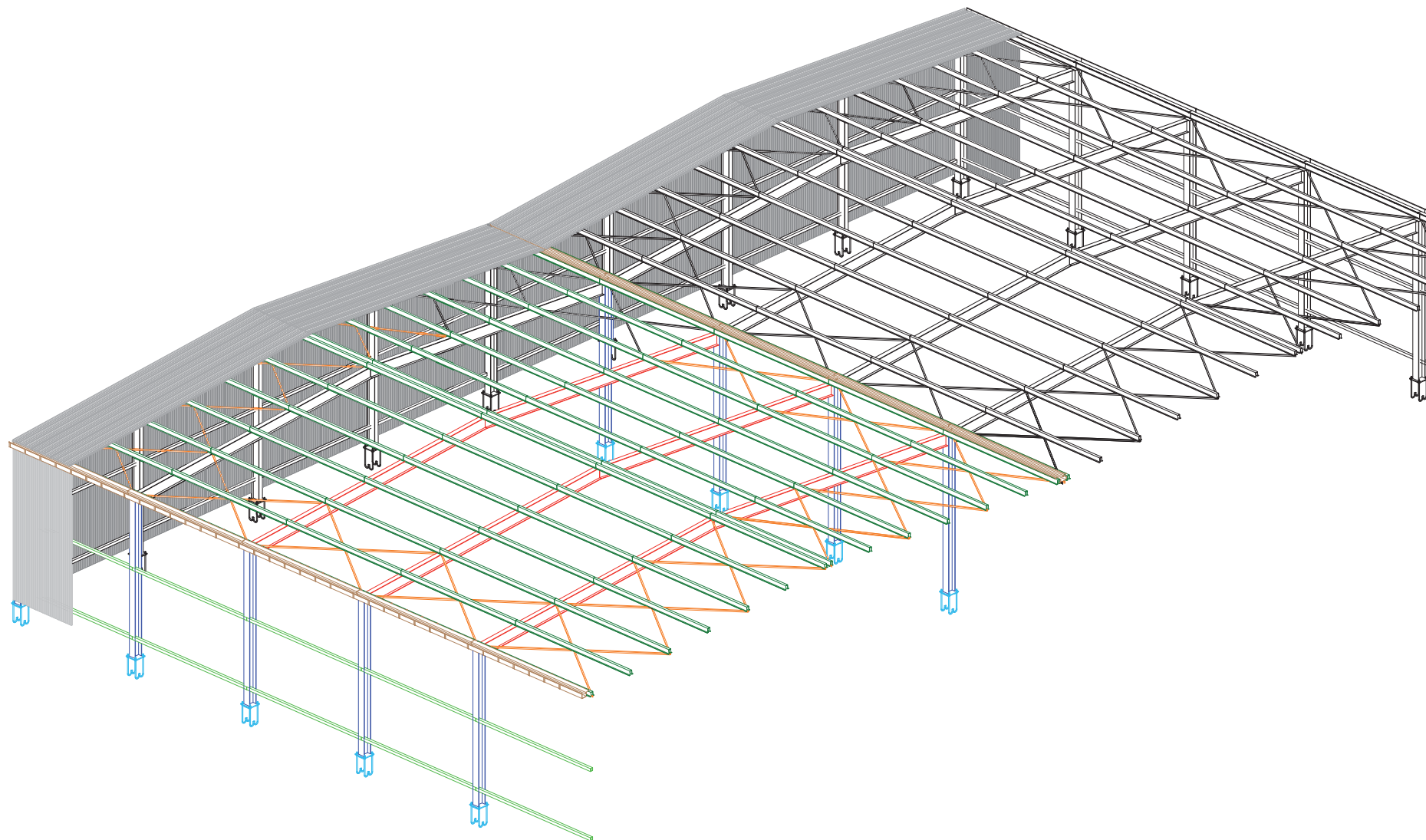
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**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

C

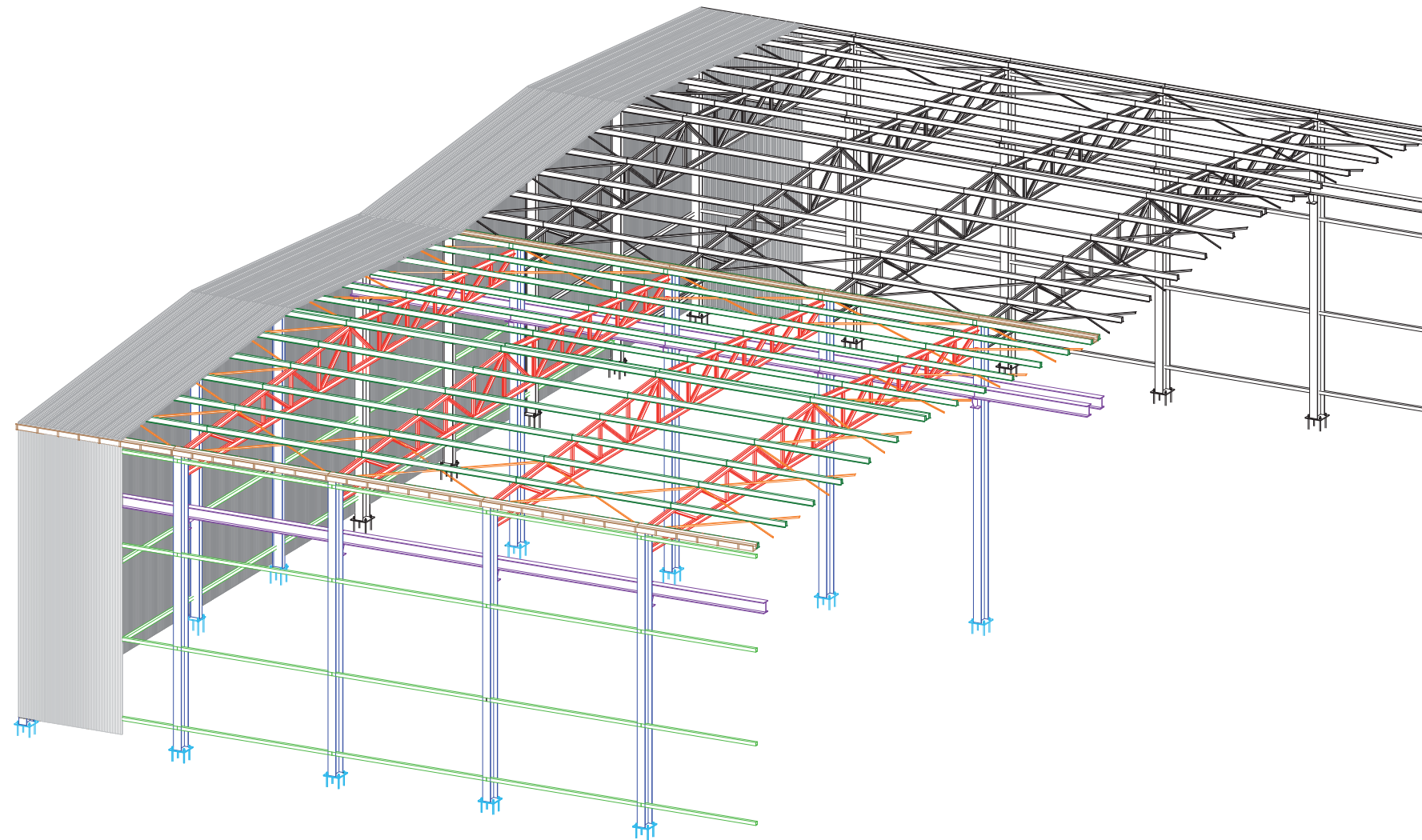
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

D

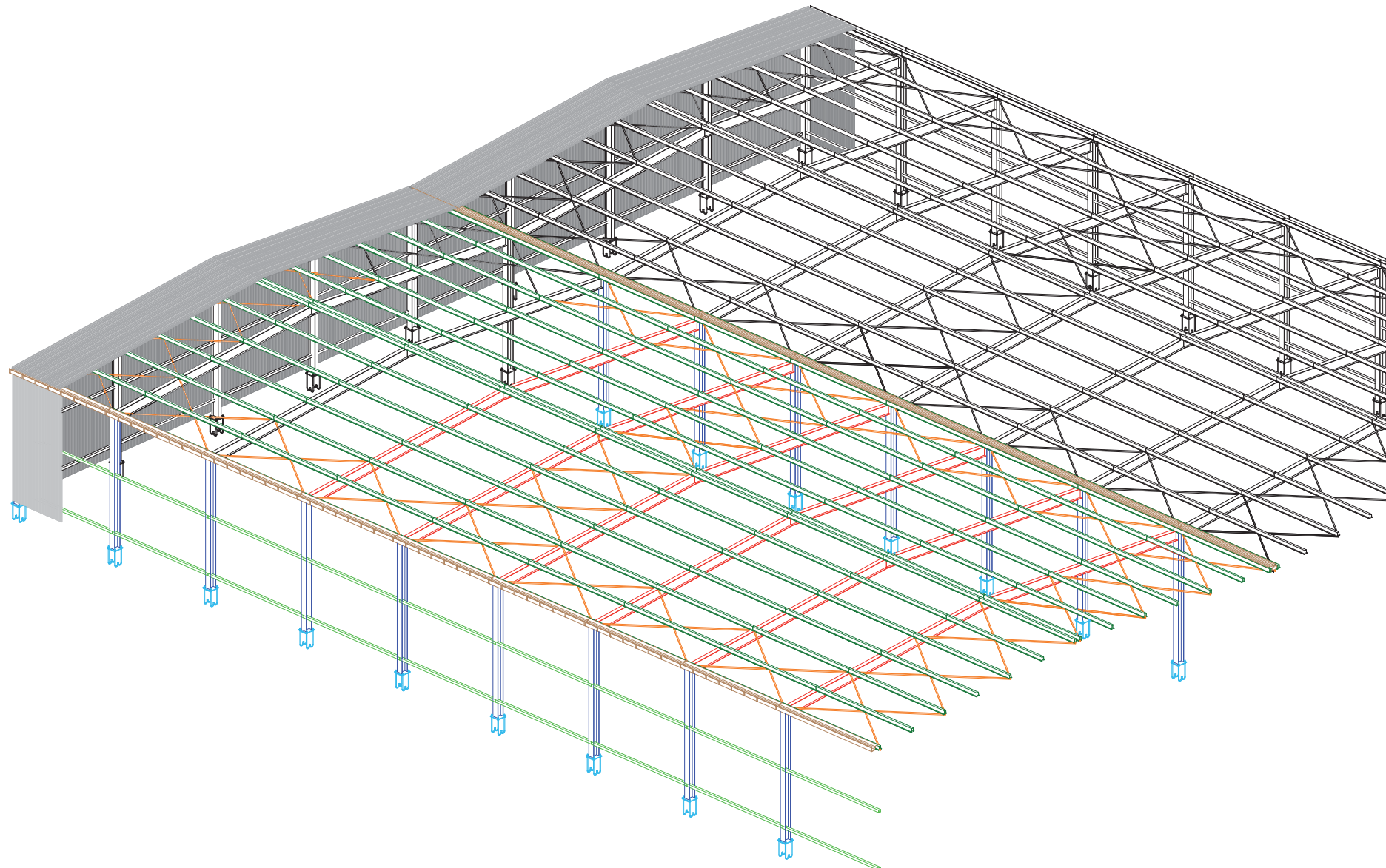
CDA



DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

E

CDA



DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

F

CDA

GRUPPO MAS									
LOTTO		SISTEMAZIONI	PAESE	COSTA D'AVORIO	UNICA				
50		ESTERNE		SOCIETA'	RDB Pilastrì				
PARAMETRI SIGNIFICATIVI									
N.	CADICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO	CAPITOLO	NOTE	
SCAVI									
1	02.01.01a	Scavi a sezione obbligata, etc.	mc.	3.965,28	11,44	45.362,80			
2	02.02.01a	Reinerti , etc.	mc.	4.189,64	6,14	25.724,39			
3	02.02.03b	Fornitura, stesa e cilindatura, etc..	mc.	41.023,63	18,59	762.629,32			
		TOTALE CAPITOLO		833.716,51		833.716,51		11,30	
CALCESTRUZZI-ACCIAIO-CASSERI									
4	03.01.09a	Calcestruzzo per magroni, etc..	mc.	377,28	75,07	28.322,41			
5	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	1.334,24	94,36	125.898,89			
6	12.01.01	Additivo antirfeniti	kg.	43.024,99	5,00	215.124,96			
7	03.04.01b	Acciaio FeB44k	kg.	80.054,40	1,08	86.458,75			
8	3.04.02	Rete elettrosaldata, etc.	kg.	1.080.288,98	1,32	1.425.981,45			
9	03.01.11a	Casseformi in legno, etc.	mq.	596,44	21,69	12.936,78			
		TOTALE CAPITOLO		1.894.723,24		1.894.723,24		25,68	
PAVIMENTI E RIVESTIMENTI									
10	12.01.04a	Pavimento industriale	mq.	136.745,44	28,40	3.883.570,50			
11	12.01.04b	Trattamento antipolvere, etc.	mq.	136.745,44	3,46	473.139,22			
		TOTALE CAPITOLO		4.356.709,72		4.356.709,72		59,04	
CANCELLI									
12	12.01.11	Cancelli scorrevoli in ferro, etc compresa automazione	kg.	8.386,40	3,00	25.159,20			
		TOTALE CAPITOLO		25.159,20		25.159,20		0,34	
SISTEMAZIONE AREE VERDI									
13	14.01.01	Stesa e modellazione terra di coltivo, etc	mc.	9.712,32	26,25	254.948,40			
14	14.01.02	Aratura meccanica, etc..	mq.	9.712,32	0,315	3.059,38			
15	14.01.03	Vangatura meccanica, etc..	mq.	9.712,32	0,222	2.156,14			
16	14.01.04	Messa a dimora piante, etc..	cad.	90	100,00	9.000,00			
17	14.01.05	Formazione di prato, etc., compreso seme	mq.	0,00	3,00	0,00			
18	14.01.06	Concimazione piante, etc..	cad.	90	0,60	54,00			
19	14.01.07	Concimazione prato, etc.	mq.	0,00	0,52	0,00			
		TOTALE CAPITOLO		269.217,92		269.217,92		3,65	
		TOTALE LAVORI		7.379.526,59		7.379.526,59		100	



GRUPPO MAS									
LOTTO		DUE CAPANNONI =		1	PAESE	COSTA D'AVORIO		PROGR.	1
		TIPOLOGIA CAPANNONE		UNICO	CAPANNONI UGUALI		1	SOC.	RDB trav
STIMA DEI LAVORI									
N.	CODICE	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO	CAPITOLO		%
ART.					EURO	EURO			
SCAVI									
1	02.01.01a	Scavi a sezione aperta, etc..	mc.	12.125,82	6,00	72.754,94			
2	02.01.05.a	Scavi a sezione obbligata, etc.	mc.	13.506,37	11,44	154.512,85			
3	02.02.01a	Reinerti , etc.	mc.	8.138,72	6,14	49.971,74			
4	03.01.01d	Palo trivellato	ml	12.920,00	82,92	1.071.326,40			
5	02.02.03b	Fornitura, stesa e cilindatura, etc..	mc.	7.174,04	18,59	133.365,40			
		TOTALE CAPITOLO				1.481.931,32	1.481.931,32		37,09
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a	Calcestruzzo per magroni, etc..	mc.	1.898,41	75,07	142.513,28			
7	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	4.428,32	94,36	417.856,28			
8	12.01.01	Additivo antirumiti	kg.	1.507,54	5,00	7.537,70			
9	03.04.01b	Acciaio Feb44k	kg.	607.669,80	1,08	656.283,38			
10	3.04.02	Rete elettrosaldata, etc.	kg.	119.567,33	1,32	157.828,87			
11	12.01.02	Ferri a U, chiusura pannelli, etc.	Kg.	0,00	2,00	0,00			
12	03.01.11a	Casseformi in legno, etc.	mq.	11.419,51	21,69	247.689,13			
		TOTALE CAPITOLO				1.629.708,64	1.629.708,64		40,79
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b	Muratura in blocchi di cls. spess. 15 cm etc..	mq.	66,84	21,04	1.406,31			
14	05.01.09c	Muratura in blocchi di cls. spess. 20 cm etc..	mq.	414,32	22,38	9.272,48			
15	05.01.09.d	Muratura in blocchi di cls. spess. 25 cm etc..	mc.	0,00	186,14	0,00			
		TOTALE CAPITOLO				10.678,80	10.678,80		0,27
INTONACI									
16	07.01.02c	Intonaco rustico, su pareti in forati	mq.	120,34	17,56	2.113,17			
17	07.01.03c	Intonaco a civile	mq.	427,66	18,74	8.014,35			
		TOTALE CAPITOLO				10.127,52	10.127,52		0,25
VESPAI									
18	12.01.03	Vespai con igloo, etc.	mq.	183,00	55,20	10.101,60			
		TOTALE CAPITOLO				10.101,60	10.101,60		0,25
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a	Pavimento industriale	mq.	23.913,47	28,40	679.142,42			
20	12.01.04b	Trattamento antipolvere, etc.	mq.	23.913,47	3,46	82.740,59			
21	3.02.10	Sottotondi, etc..	mq.	183,00	11,75	2.150,25			
22	08.01.18d	Piastrelle in gres, etc.	mq.	303,34	25,00	7.583,50			
23	07.02.03b	Controsoffitto , etc..	mq.	183,00	32,48	5.943,84			
		TOTALE CAPITOLO				777.560,60	777.560,60		19,46



QUADRO RIEPILOGATIVO		
COSTO CAPANNONE	Euro	7.991.048,96
SUPERFICIE CAPANNONE	mq.	47.826,93
COSTO MEDIO	Euro/mq.	167,08

GRUPPO MAS									
LOTTO		SISTEMAZIONI	PAESE	COSTA D'AVORIO	UNICA				
50		ESTERNE		SOCIETA'	RDB Pilastrì				
PARAMETRI SIGNIFICATIVI									
N.	CADICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO	NOTE		
SCAVI									
1	02.01.01a	Scavi a sezione obbligata, etc.	mc.	4.935,04	11,44	56.456,86			
2	02.02.01a	Reinerti , etc.	mc.	5.221,65	6,14	32.060,93			
3	02.02.03b	Fornitura, stesa e cindratura, etc..	mc.	66.816,32	18,59	1.242.115,35			
		TOTALE CAPITOLO		1.330.633,14		1.330.633,14		11,50	
CALCESTRUZZI-ACCIAIO-CASSERI									
4	03.01.09a	Calcestruzzo per magroni, etc.	mc.	465,44	75,07	34.940,58			
5	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	1.656,80	94,36	156.335,65			
6	12.01.01	Additivo antiermiti	kg.	69.301,52	5,00	346.507,59			
7	03.04.01b	Acciaio Feb44k	kg.	99.408,00	1,08	107.360,64			
8	3.04.02	Rete elettrosaldata, etc.	kg.	1.759.496,37	1,32	2.322.535,21			
9	03.01.11a	Casseformi in legno, etc.	mq.	687,44	21,69	14.910,57			
		TOTALE CAPITOLO		2.982.590,25		2.982.590,25		25,77	
PAVIMENTI E RIVESTIMENTI									
10	12.01.04a	Pavimento industriale	mq.	222.721,06	28,40	6.325.278,10			
11	12.01.04b	Trattamento antipolvere, etc.	mq.	222.721,06	3,46	770.614,87			
		TOTALE CAPITOLO		7.095.892,97		7.095.892,97		61,32	
CANCELLI									
12	12.01.11	Cancelli scorrevoli in ferro, etc compresa automazione	kg.	8.386,40	3,00	25.159,20			
		TOTALE CAPITOLO		25.159,20		25.159,20		0,22	
SISTEMAZIONE AREE VERDI									
13	14.01.01	Stesa e modellazione terra di coltivo, etc	mc.	4.996,90	26,25	131.168,63			
14	14.01.02	Aratura meccanica, etc.	mq.	4.996,90	0,315	1.574,02			
15	14.01.03	Vangatura meccanica, etc..	mq.	4.996,90	0,222	1.109,31			
16	14.01.04	Messa a dimora piante, etc.	cad.	40	100,00	4.000,00			
17	14.01.05	Formazione di prato, etc., compreso seme	mq.	0,00	3,00	0,00			
18	14.01.06	Concimazione piante, etc..	cad.	40	0,60	24,00			
19	14.01.07	Concimazione prato, etc..	mq.	0,00	0,52	0,00			
		TOTALE CAPITOLO		137.875,96		137.875,96		1,19	
		TOTALE LAVORI		11.572.151,52		11.572.151,52		100	

QUADRO RIEPILOGATIVO		RDB Pilastrì	
COSTO TOTALE	Euro	11.572.151,52	
TOTALE AREE ESTERNE	mq.	227.717,96	
COSTO MEDIO	Euro/m	50,82	



GRUPPO MAS									
LOTTO		1		PAESE		COSTA D'AVORIO		PROGR. 1	
TIPOLOGIA CAPANNONE				UNICO		CAPANNONI UGUALI		1	
STIMA DEI LAVORI									
N.	CODICE	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO		CAPITOLO	%
ART.					EURO	EURO			
SCAVI									
1	02.01.01a	Scavi a sezione aperta, etc..	mc.	4.171,84	6,00	25.031,06			
2	02.01.05.a	Scavi a sezione obbligata, etc.	mc.	6.058,40	11,44	69.308,05			
3	02.02.01a	Reinerti , etc.	mc.	3.734,58	6,14	22.930,31			
4	03.01.01d	Palo trivellato	ml	6.040,00	82,92	500.836,80			
5	02.02.03b	Fornitura, stesa e cilindratura, etc..	mc.	2.418,75	18,59	44.964,60			
			TOTALE CAPITOLO			663.070,82		663.070,82	39,02
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a	Calcestruzzo per magroni, etc..	mc.	781,21	75,07	58.645,39			
7	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	1.846,48	94,36	174.233,85			
8	12.01.01	Additivo antirermili	kg.	579,30	5,00	2.896,50			
9	03.04.01b	Acciaio Feb44k	kg	259.466,60	1,08	280.223,93			
10	3.04.02	Rete elettrosaldata, etc.	kg	40.312,54	1,32	53.212,55			
11	12.01.02	Ferrì a U, chiusura pannelli, etc.	Kg.	0,00	2,00	0,00			
12	03.01.11a	Casseformi in legno, etc.	mq.	4.691,71	21,69	101.763,15			
			TOTALE CAPITOLO			670.975,37		670.975,37	39,49
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b	Muratura in blocchi di cls, spess. 15 cm etc.	mq.	66,84	21,04	1.406,31			
14	05.01.09c	Muratura in blocchi di cls, spess. 20 cm etc.	mq.	414,32	22,38	9.272,48			
15	05.01.09d	Muratura in blocchi di cls, spess. 25 cm etc.	mc.	0,00	186,14	0,00			
			TOTALE CAPITOLO			10.678,80		10.678,80	0,63
INTONACI									
16	07.01.02c	Intonaco rustico, su pareti in forati	mq.	120,34	17,56	2.113,17			
17	07.01.03c	Intonaco a civile	mq.	427,66	18,74	8.014,35			
			TOTALE CAPITOLO			10.127,52		10.127,52	0,60
VESPAI									
18	12.01.03	Vespajo con ligio, etc.	mq.	183,00	55,20	10.101,60			
			TOTALE CAPITOLO			10.101,60		10.101,60	0,59
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a	Pavimento industriale	mq.	8.062,51	28,40	228.975,20			
20	12.01.04b	Trattamento antipolvere, etc.	mq.	8.062,51	3,46	27.896,27			
21	3.02.10	Sottfondi, etc..	mq.	183,00	11,75	2.150,25			
22	08.01.18d	Piastrelle in gres, etc..	mq.	303,34	25,00	7.583,50			
23	07.02.03b	Controsoffitto , etc..	mq.	183,00	32,48	5.943,84			
			TOTALE CAPITOLO			272.549,07		272.549,07	16,04



QUADRO RIEPILOGATIVO	
COSTO CAPANNONE	Euro 3.396,498,35
SUPERFICIE CAPANNONE	mq. 16.125,01
COSTO MEDIO	Euro/mq. 210,76

GRUPPO MAS									
LOTTO		SISTEMAZIONI		PAESE	COSTA D'AVORIO		UNICA		
50		ESTERNE			SOCIETA'		RDB Pilastrì		
PARAMETRI SIGNIFICATIVI					NOTE				
N.	CADICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO	CAPITOLO	%	
			SCAVI						
1	02.01.01a	Scavi a sezione obbligata, etc.	mc.	2.370,54	11,44	27.119,02			
2	02.02.01a	Reinforri, etc.	mc.	2.507,62	6,14	15.396,81			
3	02.02.03b	Fornitura, stesa e cilindatura, etc..	mc.	31.605,53	18,59	587.546,88			
			TOTALE CAPITOLO			630.062,71	630.062,71	11,50	
CALCESTRUZZI-ACCIAIO-CASSERI									
4	03.01.09a	Calcestruzzo per magroni, etc.	mc.	223,90	75,07	16.808,47			
5	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	796,14	94,36	75.124,15			
6	12.01.01	Additivo antirimpanti	kg.	32.799,75	5,00	163.998,75			
7	03.04.01b	Acciaio Feb44k	kg.	47.768,64	1,08	51.590,13			
8	3.04.02	Rete elettrosaldata, etc.	kg.	832.279,06	1,32	1.098.608,36			
9	03.01.11a	Casseformi in legno, etc.	mq.	406,84	21,69	8.824,36			
			TOTALE CAPITOLO			1.414.954,22	1.414.954,22	25,82	
PAVIMENTI E RIVESTIMENTI									
10	12.01.04a	Pavimento industriale	mq.	105.351,78	28,40	2.991.990,55			
11	12.01.04b	Trattamento antipolvere, etc.	mq.	105.351,78	3,46	364.517,16			
			TOTALE CAPITOLO			3.356.507,71	3.356.507,71	61,24	
CANCELLI									
12	12.01.11	Cancelli scorrevoli in ferro, etc compresa automazione	kg.	4.193,20	3,00	12.579,60			
			TOTALE CAPITOLO			12.579,60	12.579,60	0,23	
SISTEMAZIONE AREE VERDI									
13	14.01.01	Stesa e modellazione terra di coltivo, etc	mc.	2.412,99	26,25	63.340,99			
14	14.01.02	Aratura meccanica, etc.	mq.	2.412,99	0,315	760,09			
15	14.01.03	Vangatura meccanica, etc..	mq.	2.412,99	0,222	535,68			
16	14.01.04	Messa a dimora piante, etc.	cad.	20	100,00	2.000,00			
17	14.01.05	Formazione di prato, etc., compreso seme	mq.	0,00	3,00	0,00			
18	14.01.06	Concimazione piante, etc..	cad.	20	0,60	12,00			
19	14.01.07	Concimazione prato, etc..	mq.	0,00	0,52	0,00			
			TOTALE CAPITOLO			66.648,76	66.648,76	1,22	
			TOTALE LAVORI			5.480.753,01	5.480.753,01	100	

QUADRO RIEPILOGATIVO		RDB Pilastrì
COSTO TOTALE	Euro	5.480.753,01
TOTALE AREE ESTERNE	mq.	107.764,77
COSTO MEDIO	Euro/m	50,86



QUADRO RIEPILOGATIVO		RDB Plinti
COSTO TOTALE	Euro	4.846.650,45
TOTALE AREE ESTERNE	mq.	96.617,90
COSTO MEDIO	Euro/mq	50,16

GRUPPO MAS									
LOTTO		1		PAESE		COSTA D'AVORIO		PROGR. 1	
TIPOLOGIA CAPANNONE				UNICO		CAPANNONI UGUALI		1	
STIMA DEI LAVORI									
N.	CODICE	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO		CAPITOLO	%
ART.					EURO	EURO			
SCAVI									
1	02.01.01a	Scavi a sezione aperta, etc..	mc.	4.624,45	6,00	27.746,72			
2	02.01.05.a	Scavi a sezione obbligata, etc.	mc.	6.333,29	11,44	72.452,79			
3	02.02.01a	Reinterri , etc.	mc.	3.818,77	6,14	23.447,27			
4	03.01.01d	Palo trivellato	ml	6.000,00	82,92	497.520,00			
5	02.02.03b	Fornitura, stesa e cilindratura, etc..	mc.	2.712,16	18,59	50.419,13			
		TOTALE CAPITOLO				671.585,91		671.585,91	37,51
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a	Calcestruzzo per magroni, etc..	mc.	822,44	75,07	61.740,79			
7	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	1.945,40	94,36	183.567,94			
8	12.01.01	Additivo antirumiti	kg.	617,40	5,00	3.087,01			
9	03.04.01b	Acciaio FeB44k	kg.	268.086,00	1,08	289.532,88			
10	3.04.02	Rete elettrosaldata, etc.	kg.	45.202,73	1,32	59.667,61			
11	12.01.02	Ferri a U, chiusura pannelli, etc.	Kg.	0,00	2,00	0,00			
12	03.01.11a	Casseformi in legno, etc.	mq.	4.934,62	21,69	107.031,82			
		TOTALE CAPITOLO				704.628,05		704.628,05	39,36
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b	Muratura in blocchi di cls, spess. 15 cm etc..	mq.	66,84	21,04	1.406,31			
14	05.01.09c	Muratura in blocchi di cls, spess. 20 cm etc..	mq.	414,32	22,38	9.272,48			
15	05.01.09 d	Muratura in blocchi di cls, spess. 25 cm etc..	mc.	0,00	186,14	0,00			
		TOTALE CAPITOLO				10.678,80		10.678,80	0,60
INTONACI									
16	07.01.02c	Intrnaco rustico, su pareti in forati	mq.	120,34	17,56	2.113,17			
17	07.01.03c	Intrnaco a civile	mq.	427,66	18,74	8.014,35			
		TOTALE CAPITOLO				10.127,52		10.127,52	0,57
VESPAI									
18	12.01.03	Vespalo con igloo, etc.	mq.	183,00	55,20	10.101,60			
		TOTALE CAPITOLO				10.101,60		10.101,60	0,56
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a	Pavimento industriale	mq.	9.040,55	28,40	256.751,53			
20	12.01.04b	Trattamento antipolvere, etc.	mq.	9.040,55	3,46	31.280,29			
21	3.02.10	Sottotondi, etc..	mq.	183,00	11,75	2.150,25			
22	08.01.18d	Pastrelle in gres, etc.	mq.	303,34	25,00	7.583,50			
23	07.02.03b	Controsoffitto , etc..	mq.	183,00	32,48	5.943,84			
		TOTALE CAPITOLO				303.709,41		303.709,41	16,96



PORTE E PORTONI									
			mq.	26,46	100,00	2.646,00			
24	09.01.04a	Bussola in legno, etc.							
25	12.01.05	Portone a libro, etc.	mq.	0,00	350,00	0,00			
26	12.01.06	Portone ad impacchettamento, etc	mq.	205,20	200,00	41.040,00			
27	12.01.07	Portone sezionale, etc..	mq.	0,00	180,00	0,00			
28	12.01.08	Portoncini di ingresso, etc..	cad.	0,00	560,00	0,00			
29	12.01.09	Serramenti esterni e vetrate	mq.	24,60	300,00	7.380,00			
				TOTALE CAPITOLI		51.066,00		51.066,00	2,85
STRUTTURA METALLICA									
30	12.01.11	Piastro HEA, etc	kg.		3,00	0,00			
31	12.01.11	Travi orizzontali	kg.		3,00	0,00			
32	12.01.11	Diagonali di facciata doppio	kg.		3,00	0,00			
33	12.01.11	Verticali di facciata	kg.		3,00	0,00			
34	12.01.11	Travate reticolari in copertura dir mod. min.	kg.		3,00	0,00			
35	12.01.11	Travate reticolari in copertura dir mod. mag.	kg.		3,00	0,00			
36	12.01.11	Controventi in copertura	kg.		3,00	0,00			
37	12.01.11	Orditura sostegno pannelli	kg.		3,00	0,00			
38	13.01.09	Pannelli sandwich su pareti esterne	mq.		30,00	0,00			
39	13.01.09	Pannelli sandwich per copertura	mq		30,00	0,00			
40	13.01.10	Lastre trasparenti in vetroresina, etc..	mq		28,20	0,00			
41	13.01.11	Ondulina in vetroresina, etc.	mq.		13,20	0,00			
42	13.01.12	Scossaline di coronamento, etc	mq.		14,80	0,00			
				TOTALE CAPITOLO		0,00		0,00	0,00
VARIE									
43	12.01.10	Scale in ferro	cad.	1,00	10.000,00	10.000,00			
				TOTALE CAPITOLO		10.000,00		10.000,00	0,56
ASSISTENZE MURARIE									
44	13.01.15	Assistenza struttura, etc..	cad.	92,00	200,00	18.400,00			
				TOTALE CAPITOLO		18.400,00		18.400,00	1,03
				TOTALE LAVORI				1.790.297,29	100

QUADRO RIEPILOGATIVO			
COSTO CAPANNONE	Euro	1.790.297,29	
SUPERFICIE CAPANNONE	mq.	9.040,55	
COSTO MEDIO	Euro/mq.	198,03	



GRUPPO MAS									
LOTTO		1		PAESE		COSTA D'AVORIO		PROGR. 1	
TIPOLOGIA CAPANNONE		UNICO		CAPANNONI UGUALI		1		SOC. RDB pilastri A1	
STIMA DEI LAVORI									
N. CODICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN. EURO	IMPORTO EURO		CAPITOLO		%
SCAVI									
1	02.01.01a Scavi a sezione aperta, etc..	mc.	3.026,36	6,00	18.158,14				
2	02.01.05 a Scavi a sezione obbligata, etc.	mc.	4.803,56	11,44	54.952,70				
3	02.02.01a Reinterri, etc.	mc.	2.920,93	6,14	17.934,53				
4	03.01.01d Palo trivellato	ml.	4.480,00	82,92	371.481,60				
5	02.02.03b Fornitura, stesa e cilindatura, etc..	mc.	1.754,43	18,59	32.614,81				
		TOTALE CAPITOLO			495.141,78		495.141,78	38,92	
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a Calcestruzzo per magroni, etc..	mc.	581,13	75,07	43.625,71				
7	03.01.10c Calcestruzzo in fondazione, etc..	mc.	1.416,44	94,36	133.655,28				
8	12.01.01 Additivo antiriverti	kg.	425,76	5,00	2.128,78				
9	03.04.01b Acciaio Feb44k	kg.	194.963,20	1,08	210.560,26				
10	3.04.02 Rete elettrosaldata, etc.	kg.	29.240,46	1,32	38.597,41				
11	12.01.02 Ferri a U, chiusura pannelli, etc.	Kg.	0,00	2,00	0,00				
12	03.01.11a Casseformi in legno, etc.	mq.	3.571,97	21,69	77.476,07				
		TOTALE CAPITOLO			506.043,50		506.043,50	39,78	
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b Muratura in blocchi di cls, spess. 15 cm etc..	mq.	37,16	21,04	781,85				
14	05.01.09c Muratura in blocchi di cls, spess. 20 cm etc..	mq.	278,24	22,38	6.227,01				
15	05.01.09 d Muratura in blocchi di cls, spess. 25 cm etc..	mc.	0,00	186,14	0,00				
		TOTALE CAPITOLO			7.008,86		7.008,86	0,55	
INTONACI									
16	07.01.02c Intonaco rustico, su pareti in forati	mq.	97,53	17,56	1.712,63				
17	07.01.03c Intonaco a civile	mq.	255,03	18,74	4.779,26				
		TOTALE CAPITOLO			6.491,89		6.491,89	0,51	
VESPAI									
18	12.01.03 Vespajo con igllo, etc.	mq.	104,00	55,20	5.740,80				
		TOTALE CAPITOLO			5.740,80		5.740,80	0,45	
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a Pavimento industriale	mq.	5.848,09	28,40	166.085,81				
20	12.01.04b Trattamento antipolvere, etc.	mq.	5.848,09	3,46	20.234,40				
21	3.02.10 Sottofondi, etc..	mq.	104,00	11,75	1.222,00				
22	08.01.18d Piastrelle in gres, etc..	mq.	201,53	25,00	5.038,25				
23	07.02.03b Controsoffitto, etc..	mq.	104,00	32,48	3.377,92				
		TOTALE CAPITOLO			195.958,38		195.958,38	15,40	

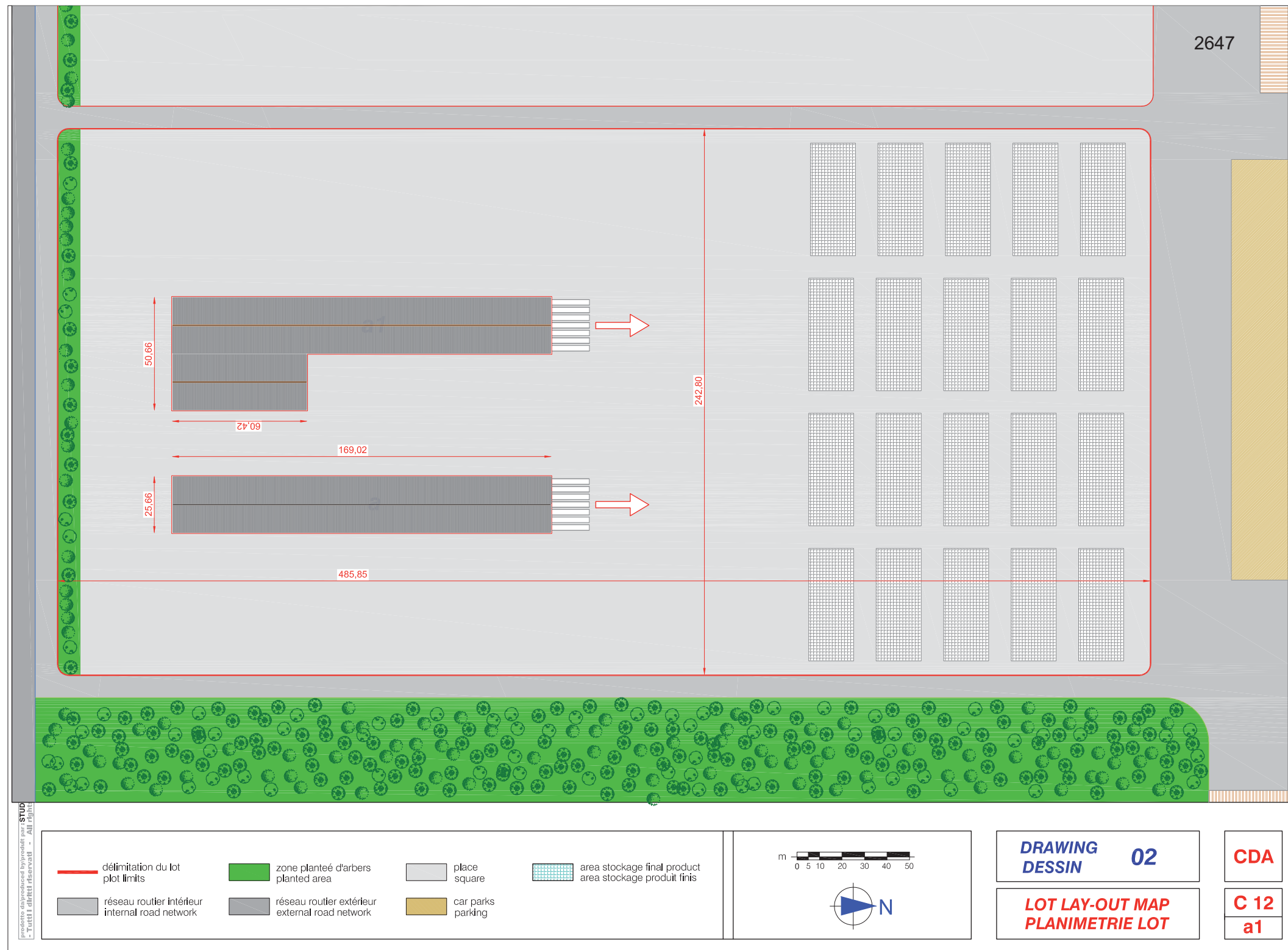


QUADRO RIEPILOGATIVO		
COSTO CAPANNONE	Euro	1.272.201,20
SUPERFICIE CAPANNONE	mq.	5.848,09
COSTO MEDIO	Euro/mq.	217,54

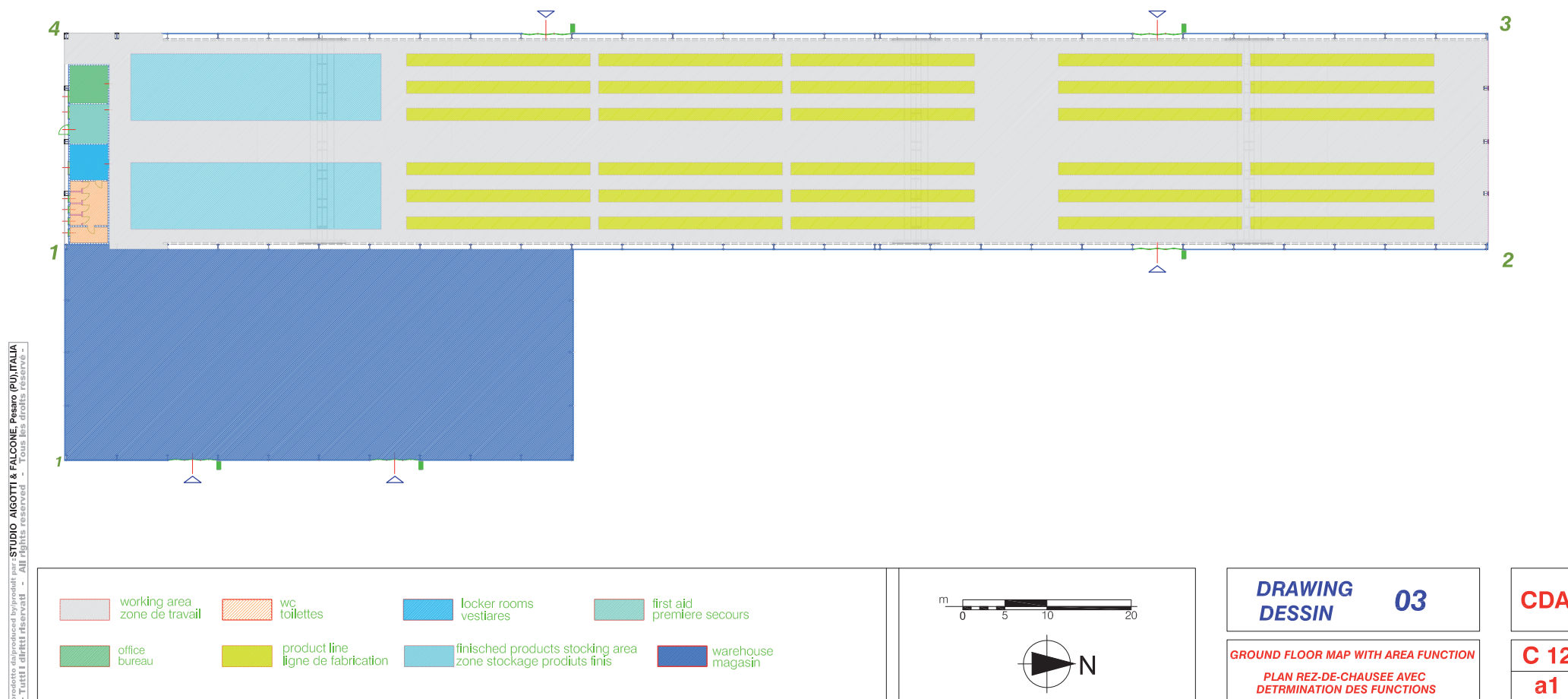
GRUPPO MAS									
LOTTO		1		PAESE	COSTA D'AVORIO		PROGR.		1
TIPOLOGIA CAPANNONE				UNICO	CAPANNONI UGUALI		1	SOC.	RDB pilastri A
STIMA DEI LAVORI									
N.	CODICE	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO	CAPITOLO	%	
ART.									
SCAVI									
1	02.01.01a	Scavi a sezione aperta, etc..	mc.	2.266,37	6,00	13.598,20			
2	02.01.05 a	Scavi a sezione obbligata, etc.	mc.	3.971,10	11,44	45.429,41			
3	02.02.01a	Reinterri , etc.	mc.	2.424,82	6,14	14.888,39			
4	03.01.01d	Palo trivellato	ml.	3.600,00	82,92	298.512,00			
5	02.02.03b	Fornitura, stesa e cilindatura, etc..	mc.	1.301,12	18,59	24.187,75			
		TOTALE CAPITOLO				396.615,74	396.615,74	39,26	
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a	Calcestruzzo per magroni, etc..	mc.	456,27	75,07	34.251,84			
7	03.01.10c	Calcestruzzo in fondazione, etc.	mc.	1.129,24	94,36	106.555,09			
8	12.01.01	Additivo antilemmi	kg.	326,82	5,00	1.634,12			
9	03.04.01b	Acciaio FeB44k	kg.	154.370,00	1,08	166.719,60			
10	3.04.02	Rete elettrosaldata, etc.	kg.	21.685,27	1,32	28.624,55			
11	12.01.02	Ferri a U, chiusura pannelli, etc.	kg.	0,00	2,00	0,00			
12	03.01.11a	Casseformi in legno, etc.	mq.	2.833,41	21,69	61.456,62			
		TOTALE CAPITOLO				399.241,81	399.241,81	39,52	
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b	Muratura in blocchi di cls, spess. 15 cm etc.	mq.	37,16	21,04	781,85			
14	05.01.09c	Muratura in blocchi di cls, spess. 20 cm etc.	mq.	278,24	22,38	6.227,01			
15	05.01.09 d	Muratura in blocchi di cls, spess. 25 cm etc.	mc.	0,00	186,14	0,00			
		TOTALE CAPITOLO				7.008,86	7.008,86	0,69	
INTONACI									
16	07.01.02c	Intonaco rustico, su pareti in forati	mq.	97,53	17,56	1.712,63			
17	07.01.03c	Intonaco a civile	mq.	255,03	18,74	4.779,26			
		TOTALE CAPITOLO				6.491,89	6.491,89	0,64	
VESPAI									
18	12.01.03	Vespajo con igljo, etc.	mq.	104,00	55,20	5.740,80			
		TOTALE CAPITOLO				5.740,80	5.740,80	0,57	
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a	Pavimento industriale	mq.	4.337,05	28,40	123.172,31			
20	12.01.04b	Trattamento antipolvere, etc.	mq.	4.337,05	3,46	15.006,20			
21	3.02.10	Sottofondi, etc..	mq.	104,00	11,75	1.222,00			
22	08.01.18d	Plastrele in gres, etc..	mq.	201,53	25,00	5.038,25			
23	07.02.03b	Controsoffitto , etc..	mq.	104,00	32,48	3.377,92			
		TOTALE CAPITOLO				147.816,68	147.816,68	14,63	



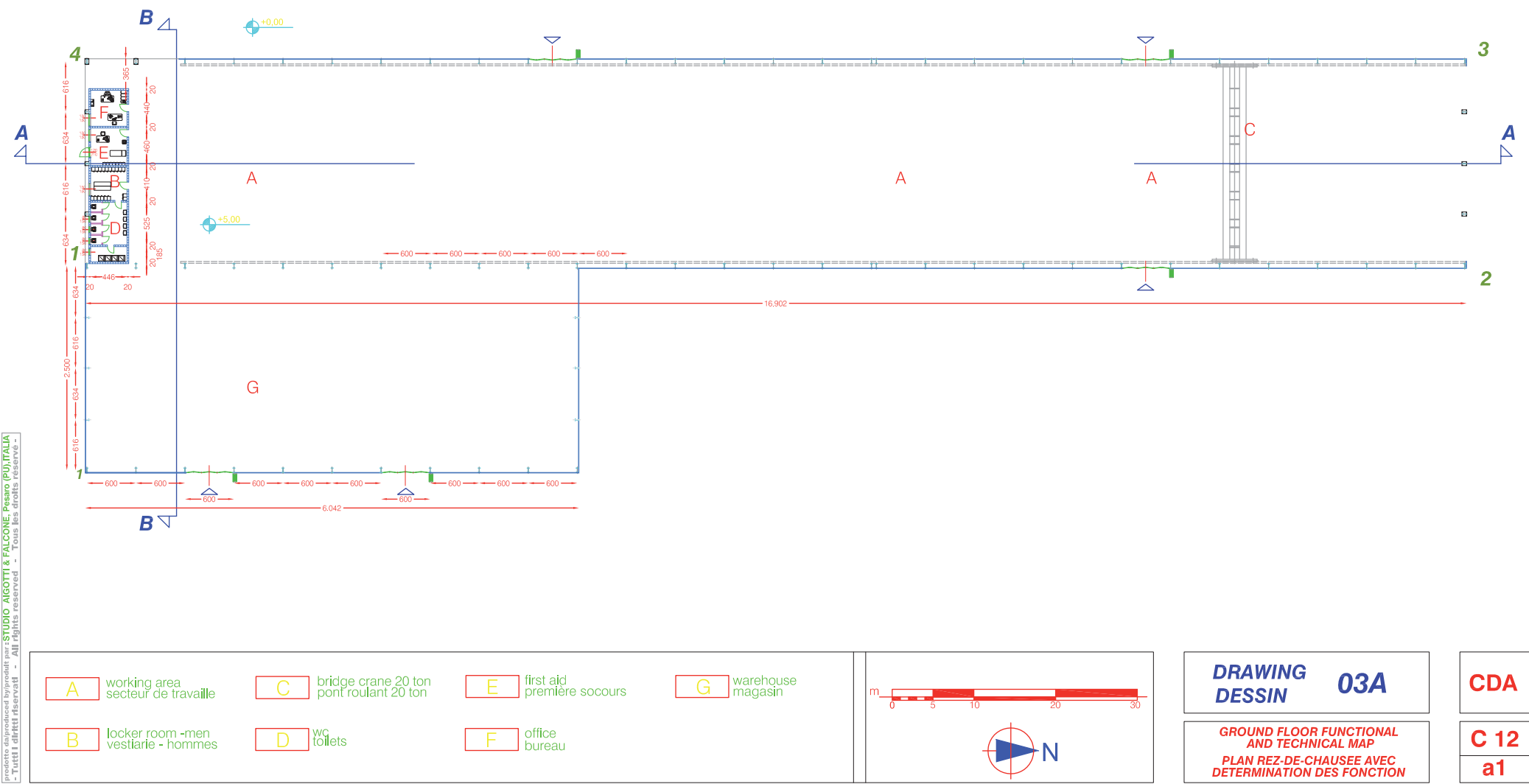
QUADRO RIEPILOGATIVO	
COSTO CAPANNONE	Euro 1.010.201,78
SUPERFICIE CAPANNONE	mq. 4.337,05
COSTO MEDIO	Euro/mq. 232,92

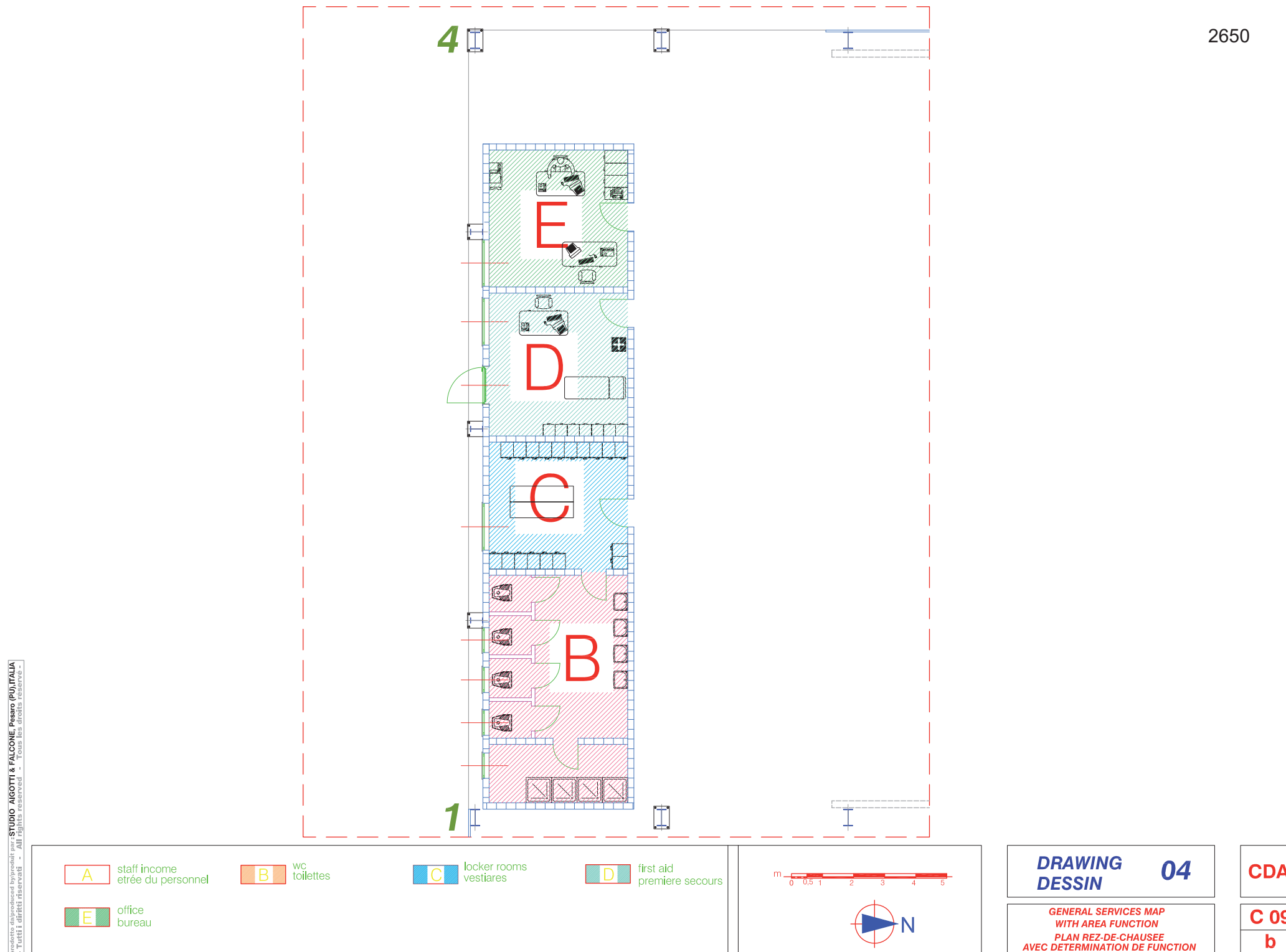


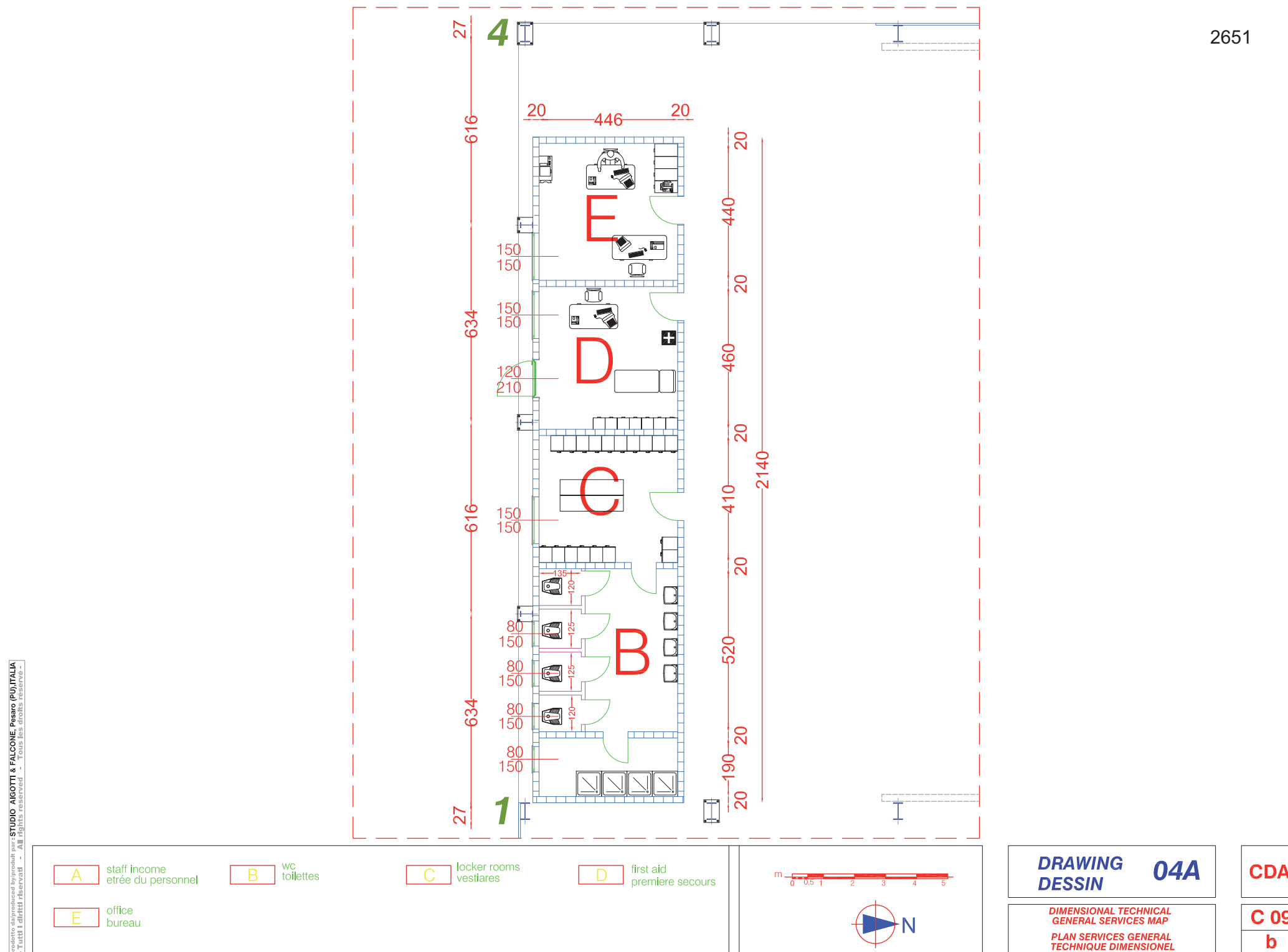
FACTORY BUILDING USINE



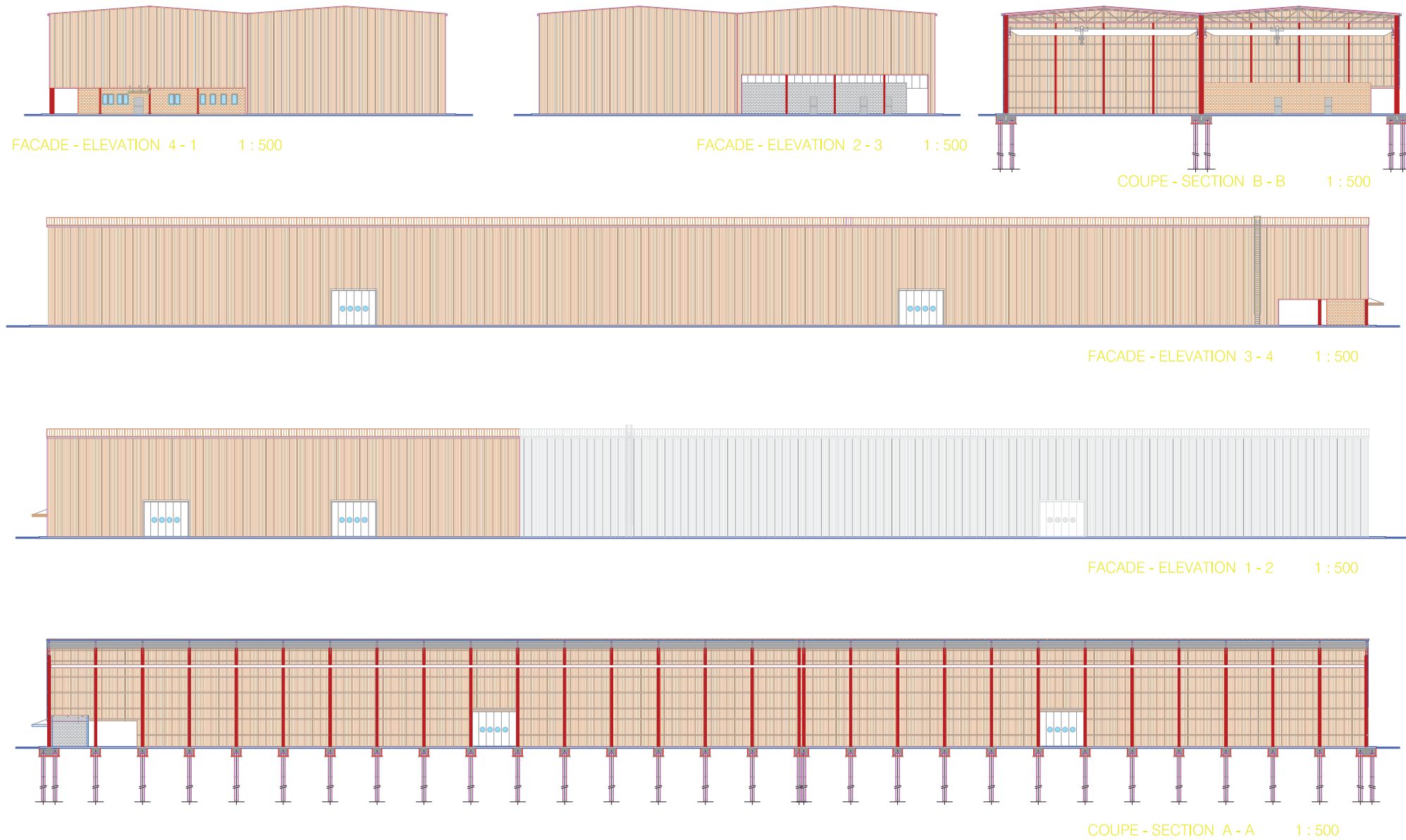
FACTORY BUILDING
USINE







2652

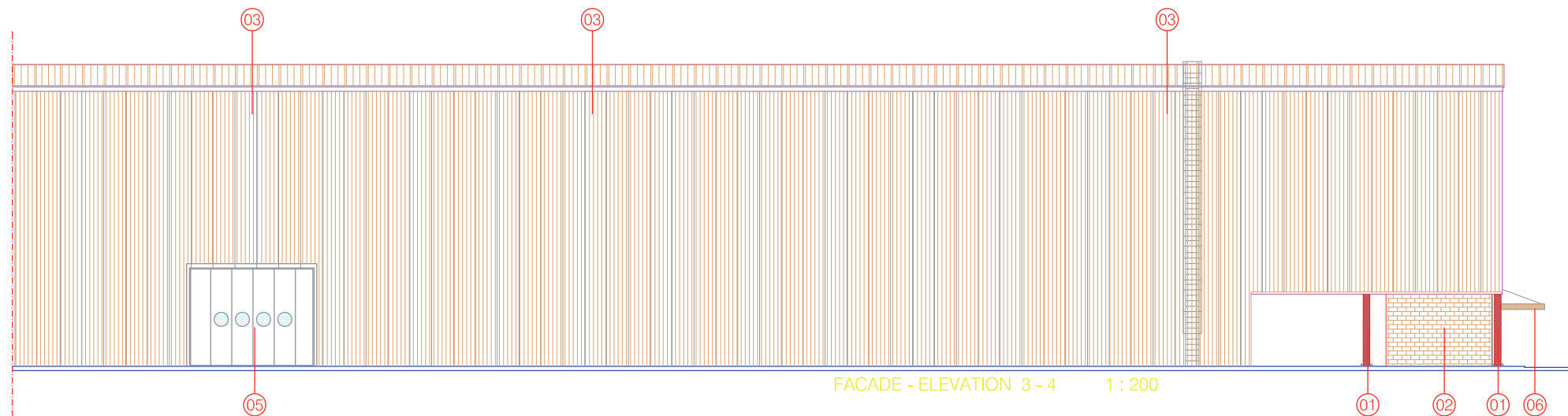
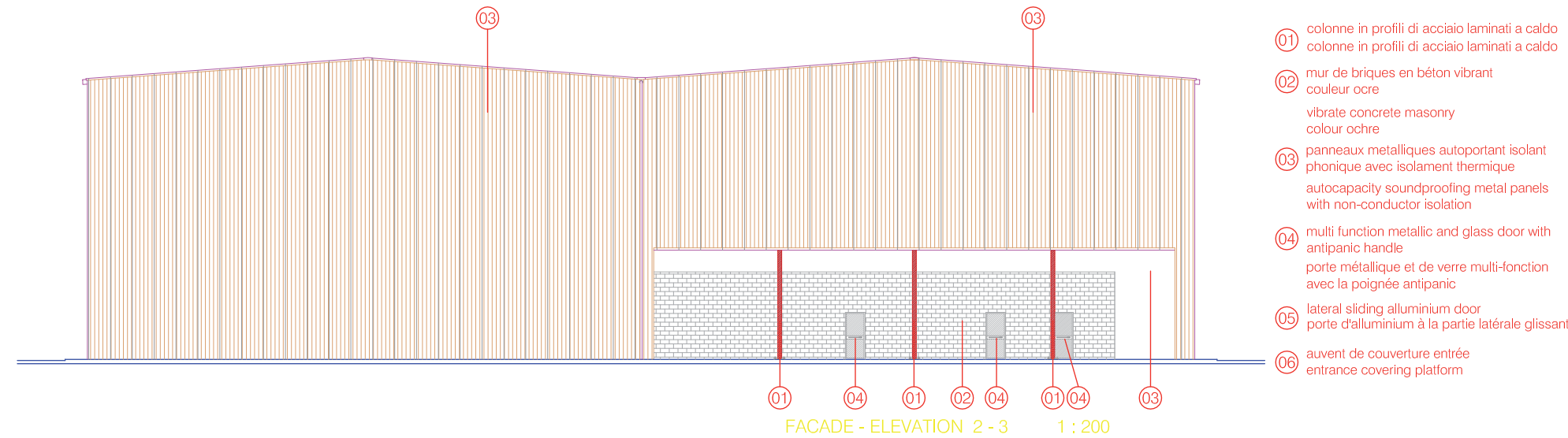


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DRAWING DESSIN	06	CDA
COUPES-FACADES SECTIONS-ELEVATIONS	C 12	a1

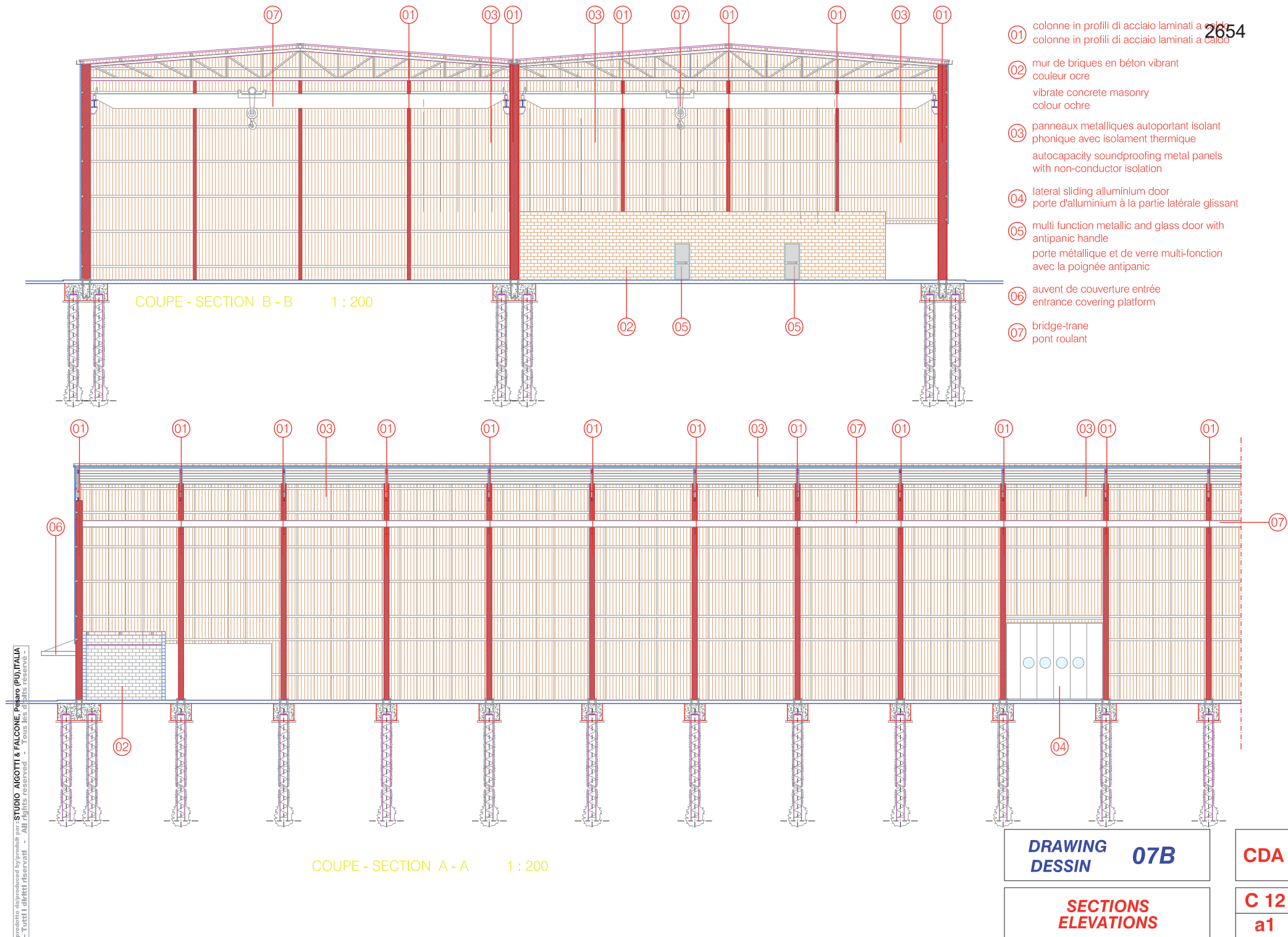


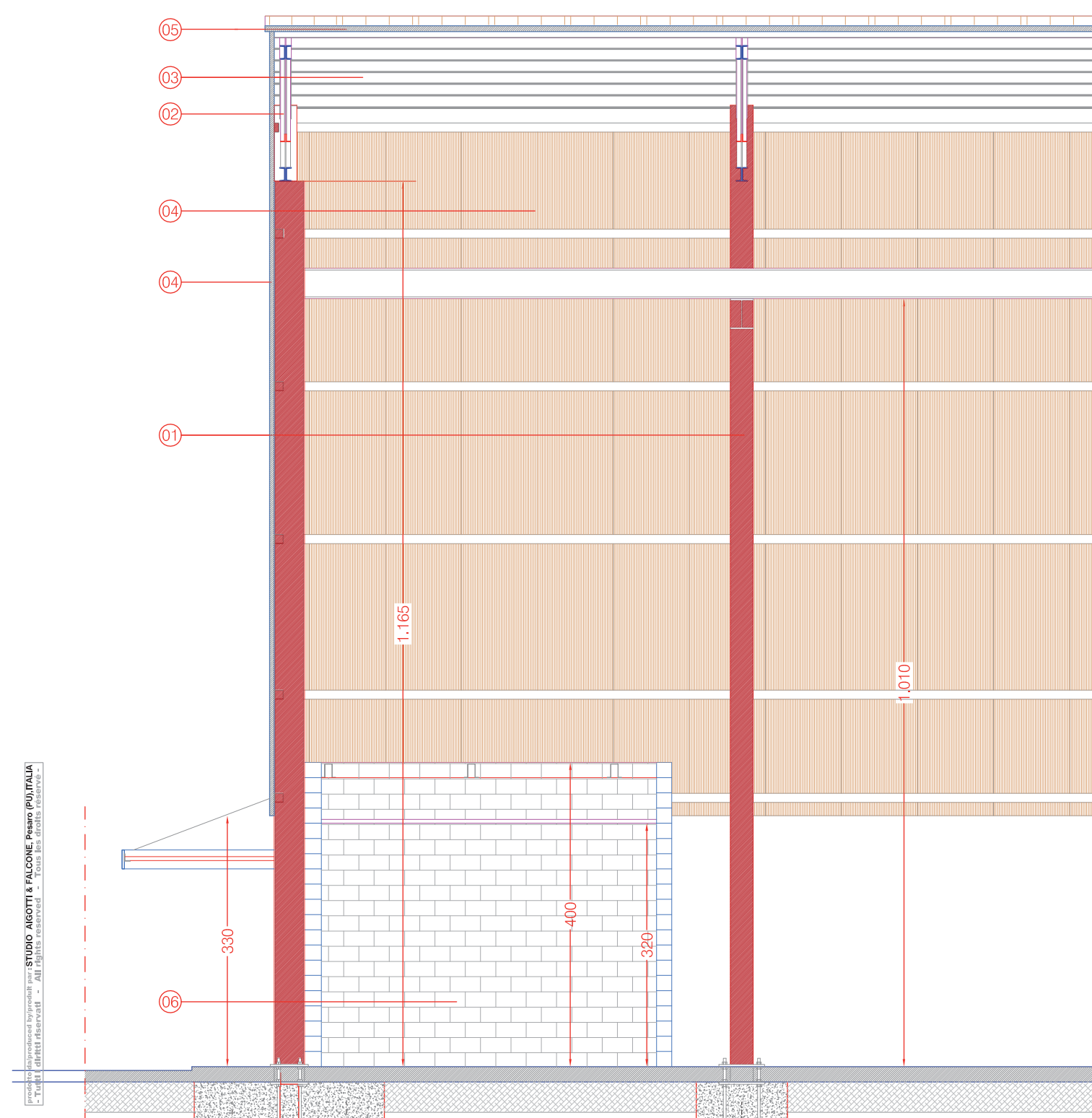
2653



DRAWING DESSIN	07a	CDA
COUPES FACADES	C 12 a1	







2655

COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre

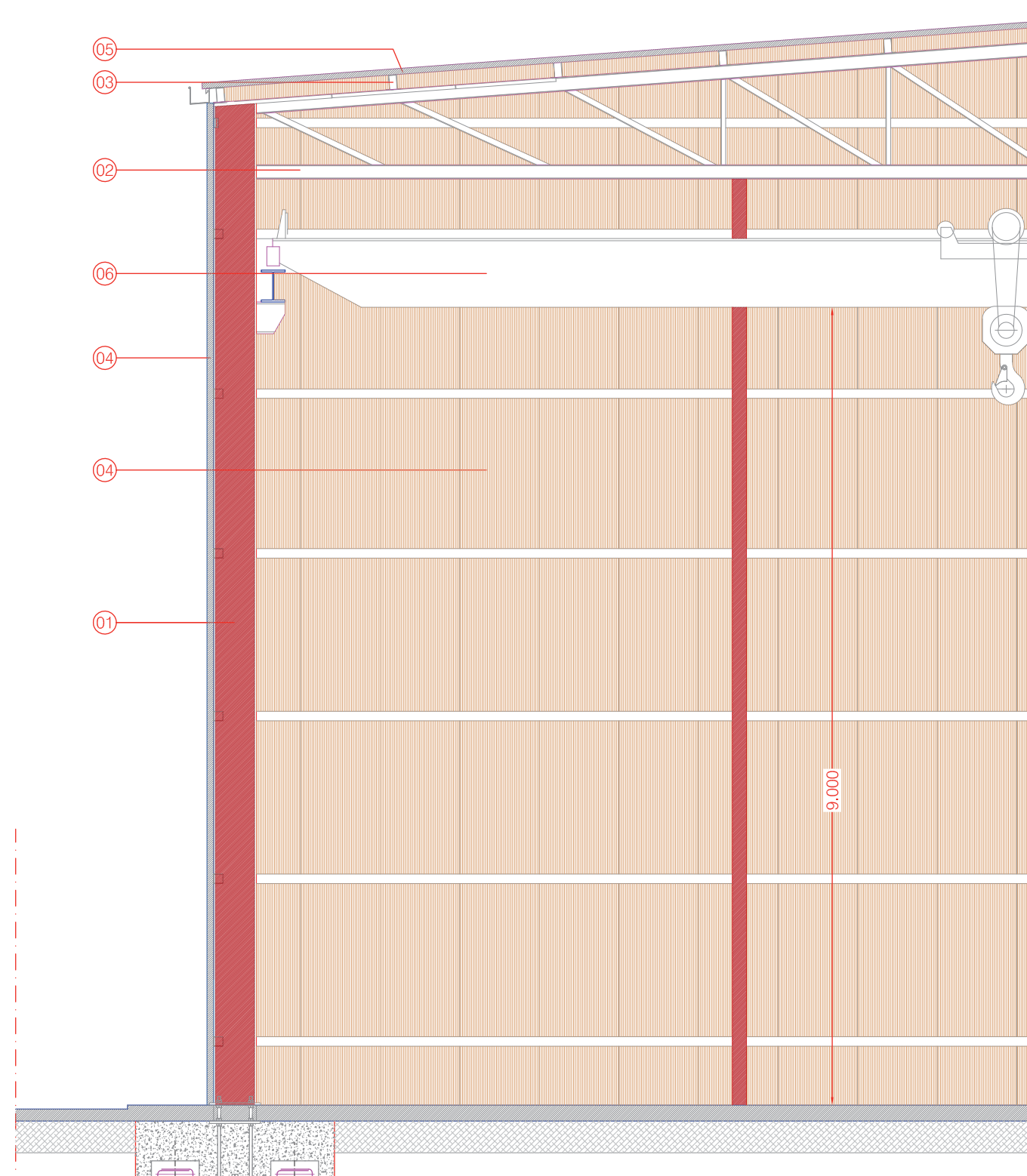
DRAWING
DESSIN 08a

SECTIONS
ELEVATIONS

CDA

C 12
a1





2656

COUPE - SECTION B - B 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega " in acciaio
arcarecci in profili ad "omega " in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 bridge-trane
pont roulant

DRAWING
DESSIN 08b

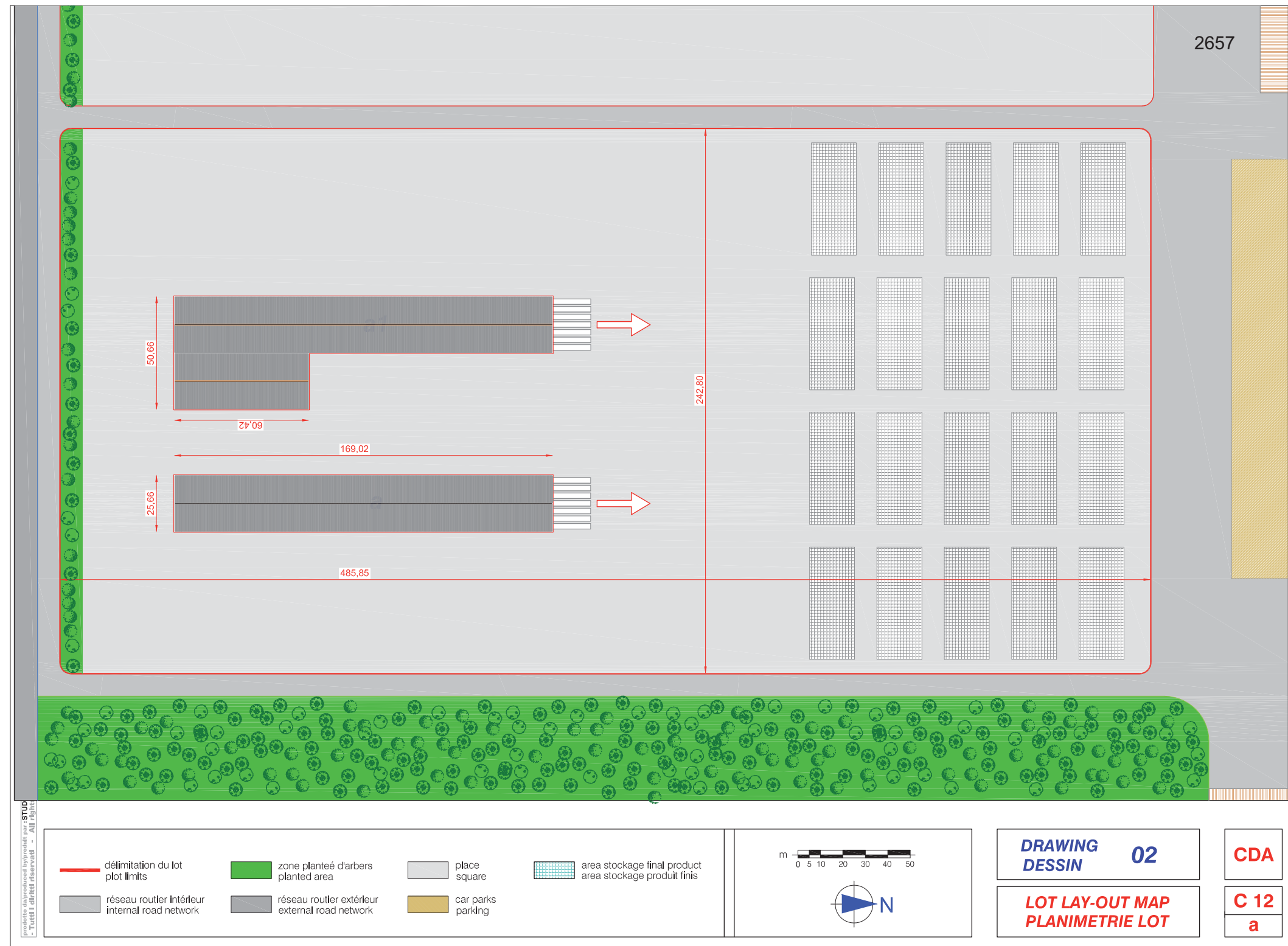
CDA

SECTIONS
ELEVATIONS

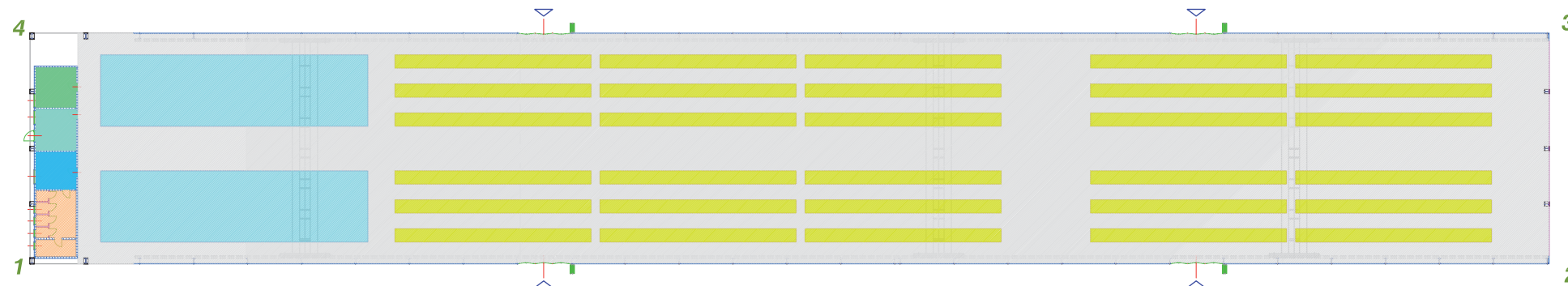
C 12
a1

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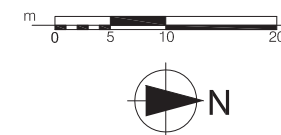


**FACTORY BUILDING
USINE**



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 working area zone de travail	 wc toilettes	 locker rooms vestiaires	 first aid premiere secours
 office bureau	 product line ligne de fabrication	 finished products stocking area zone stockage produits finis	



**DRAWING
DESSIN 03**

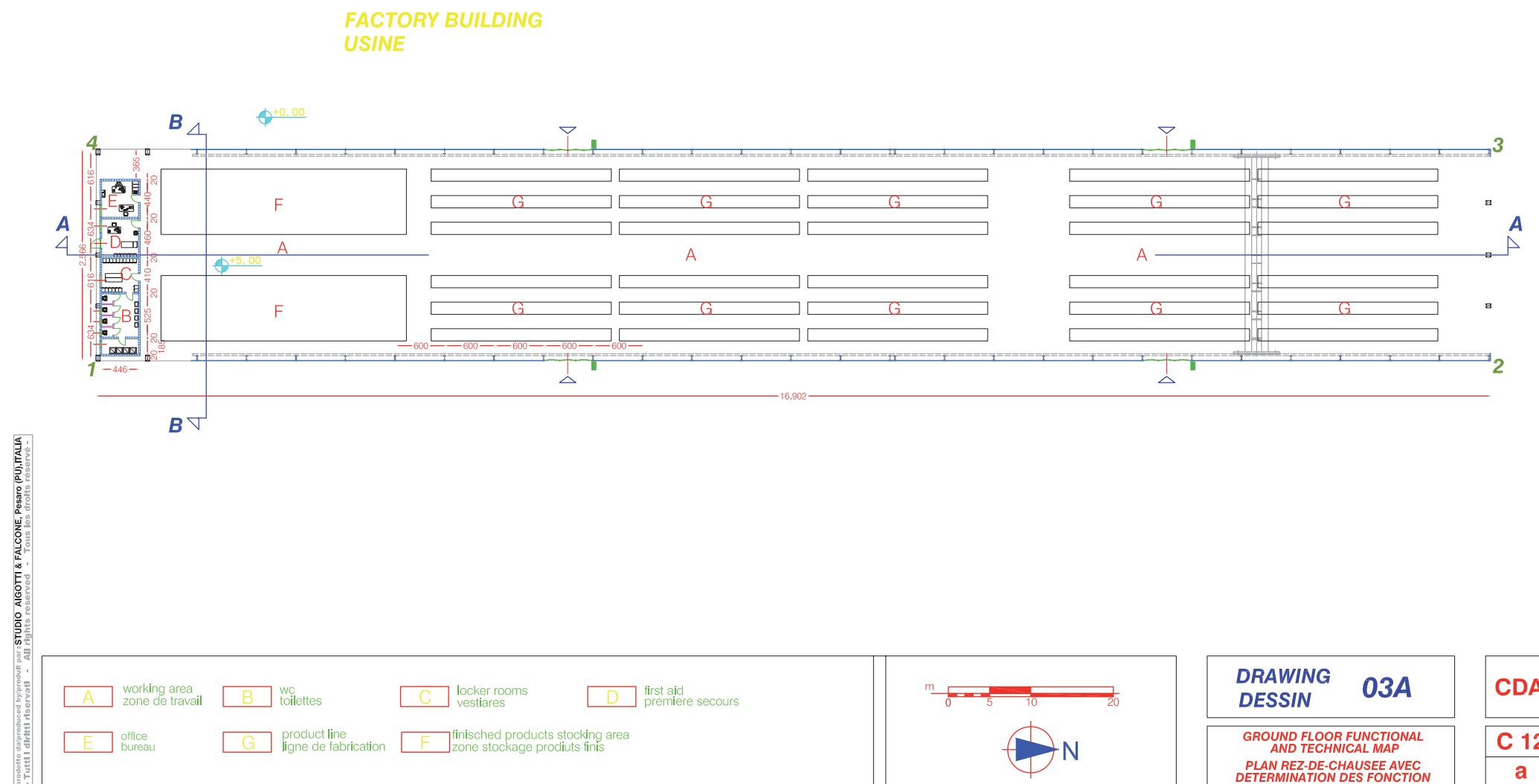
**GROUND FLOOR MAP WITH AREA FUNCTION
PLAN REZ-DE-CHAUSEE AVEC
DETERMINATION DES FONCTIONS**

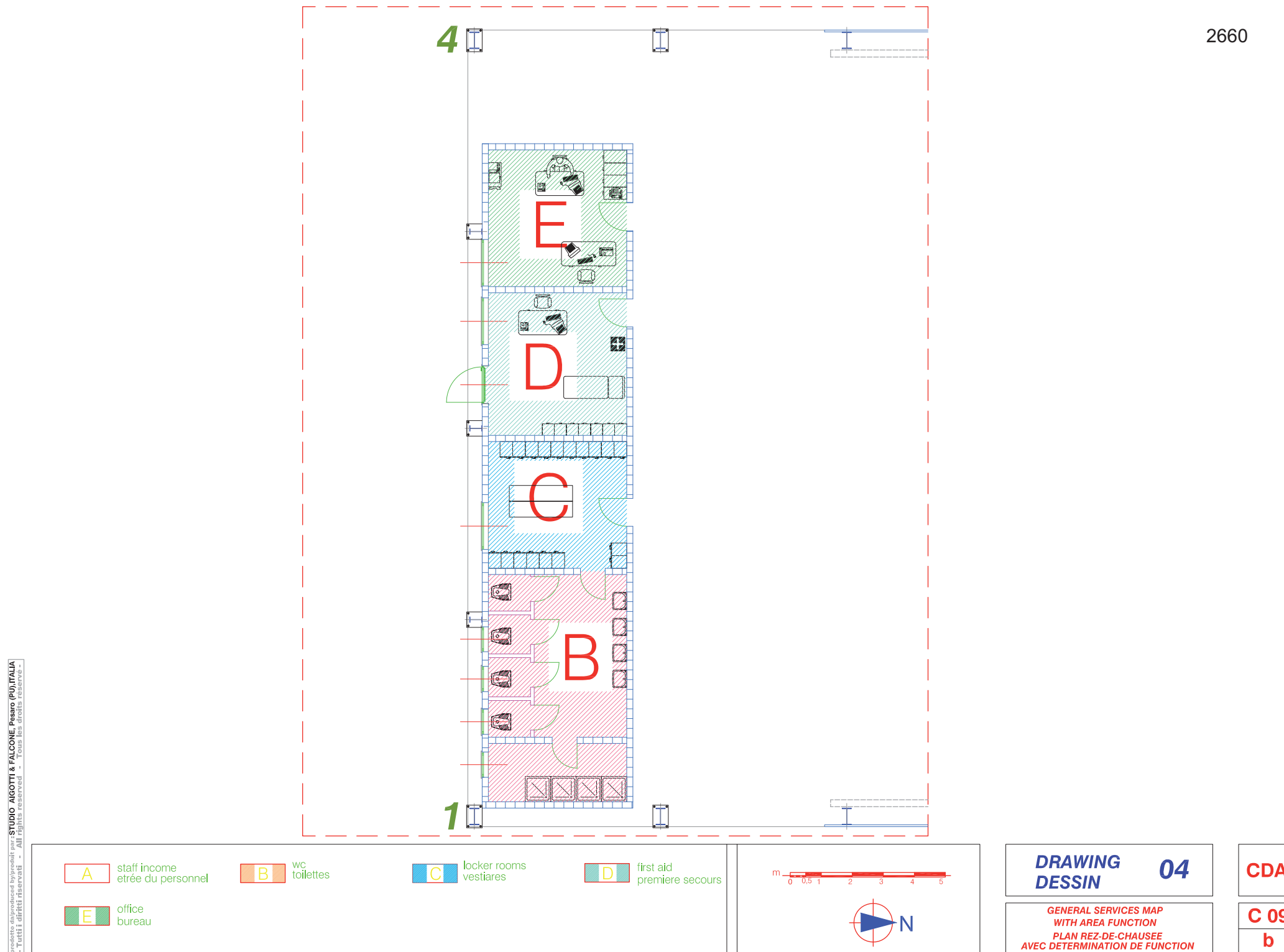
CDA

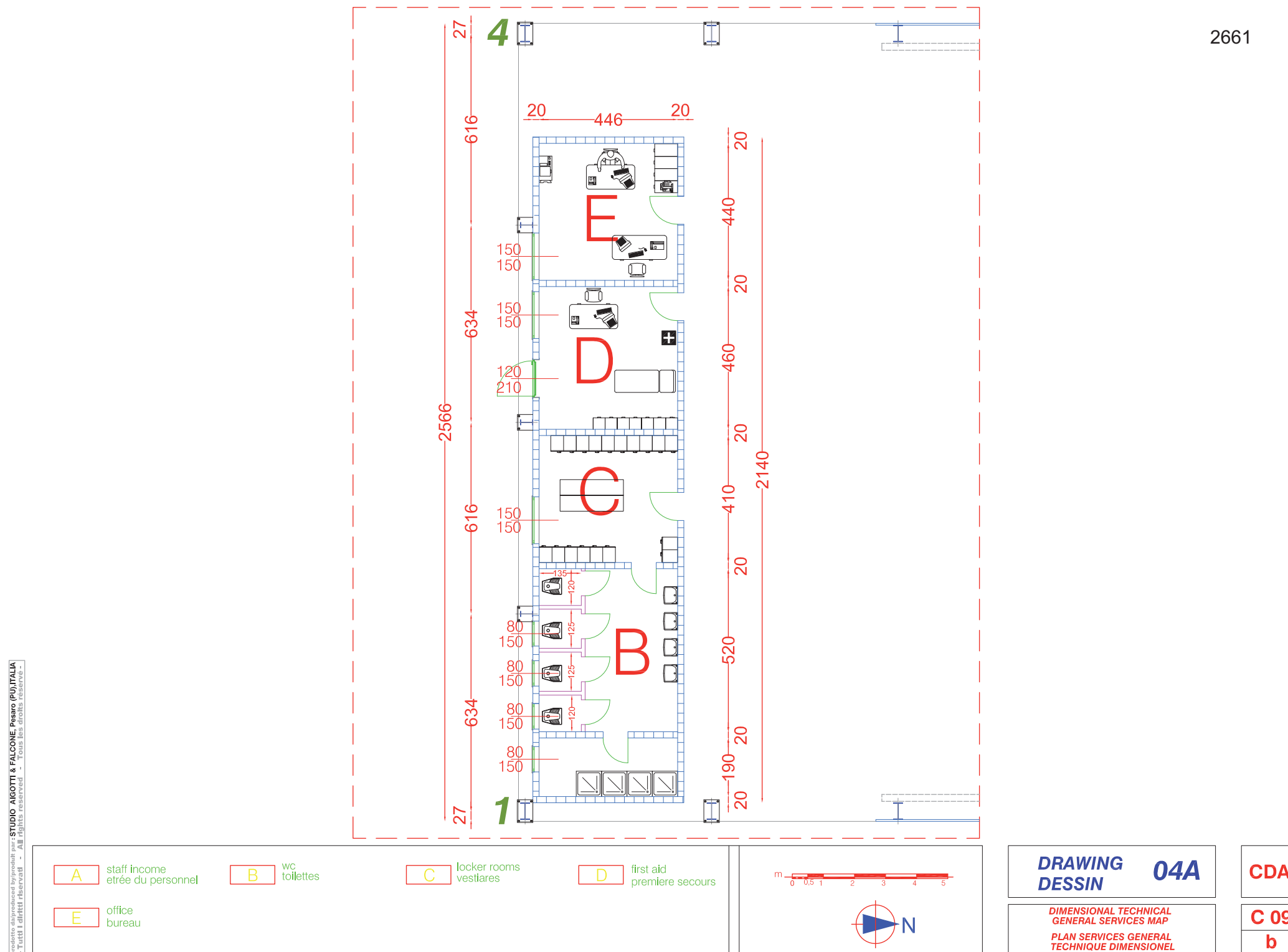
C 12

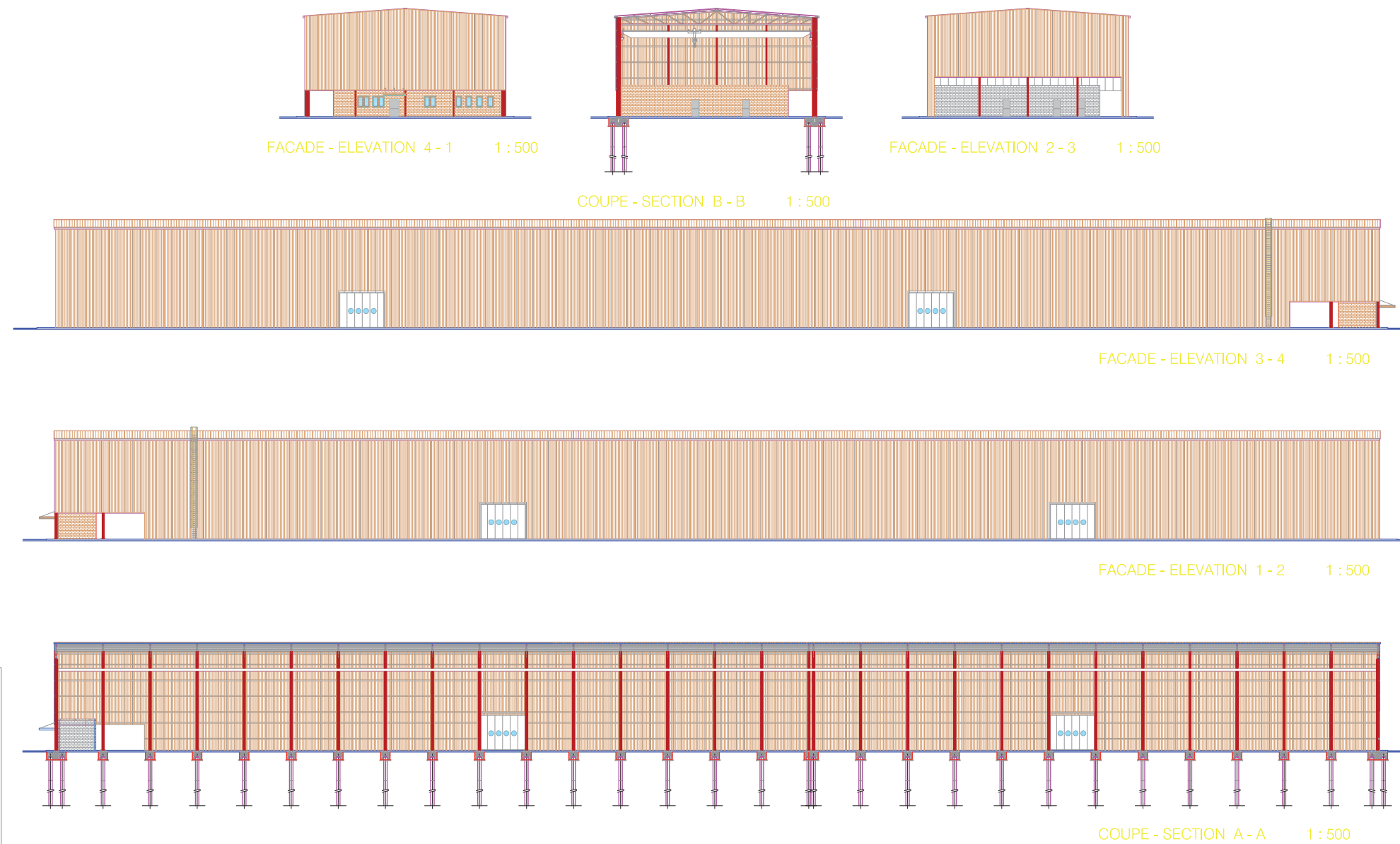
a











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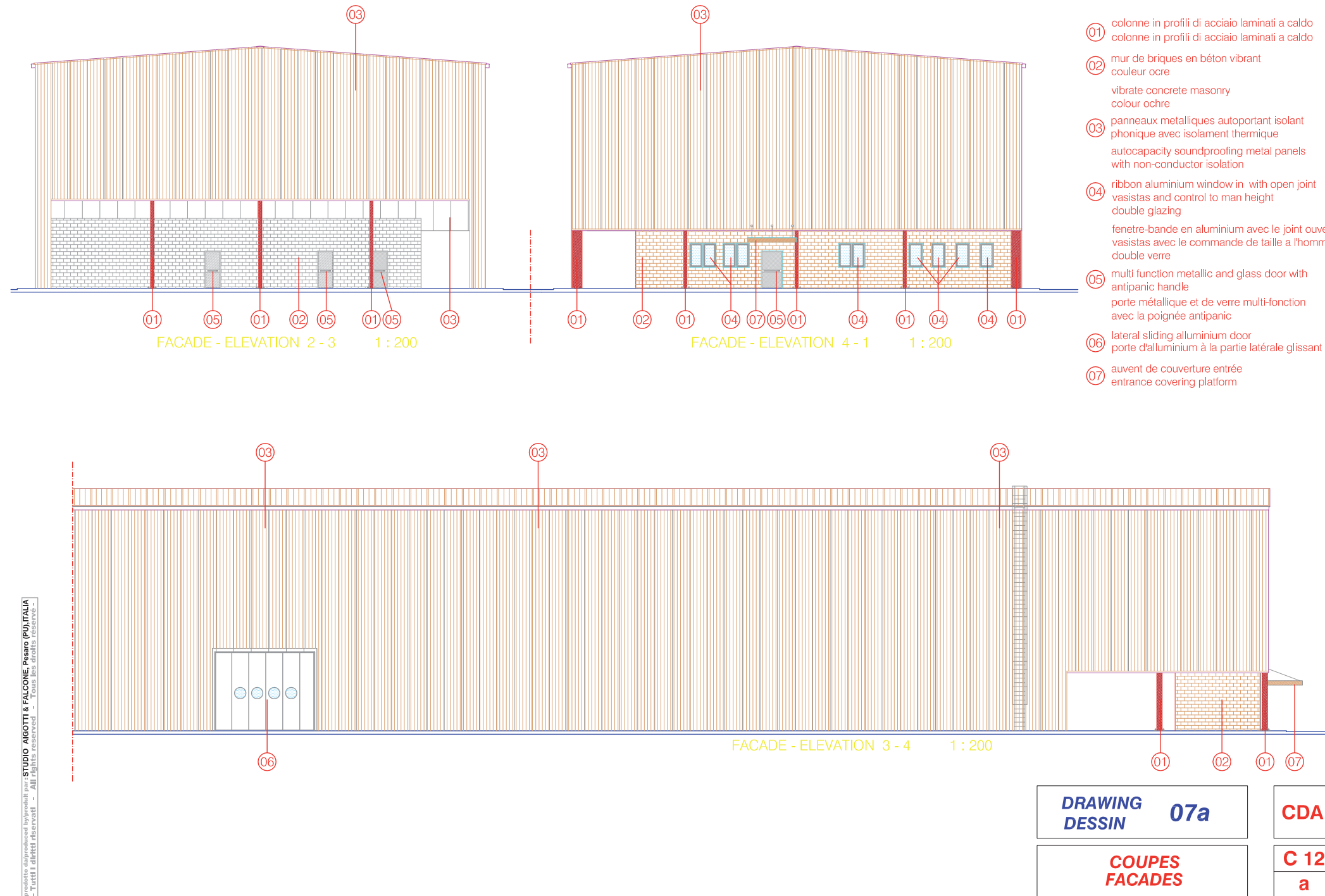
DRAWING
DESSIN **06**

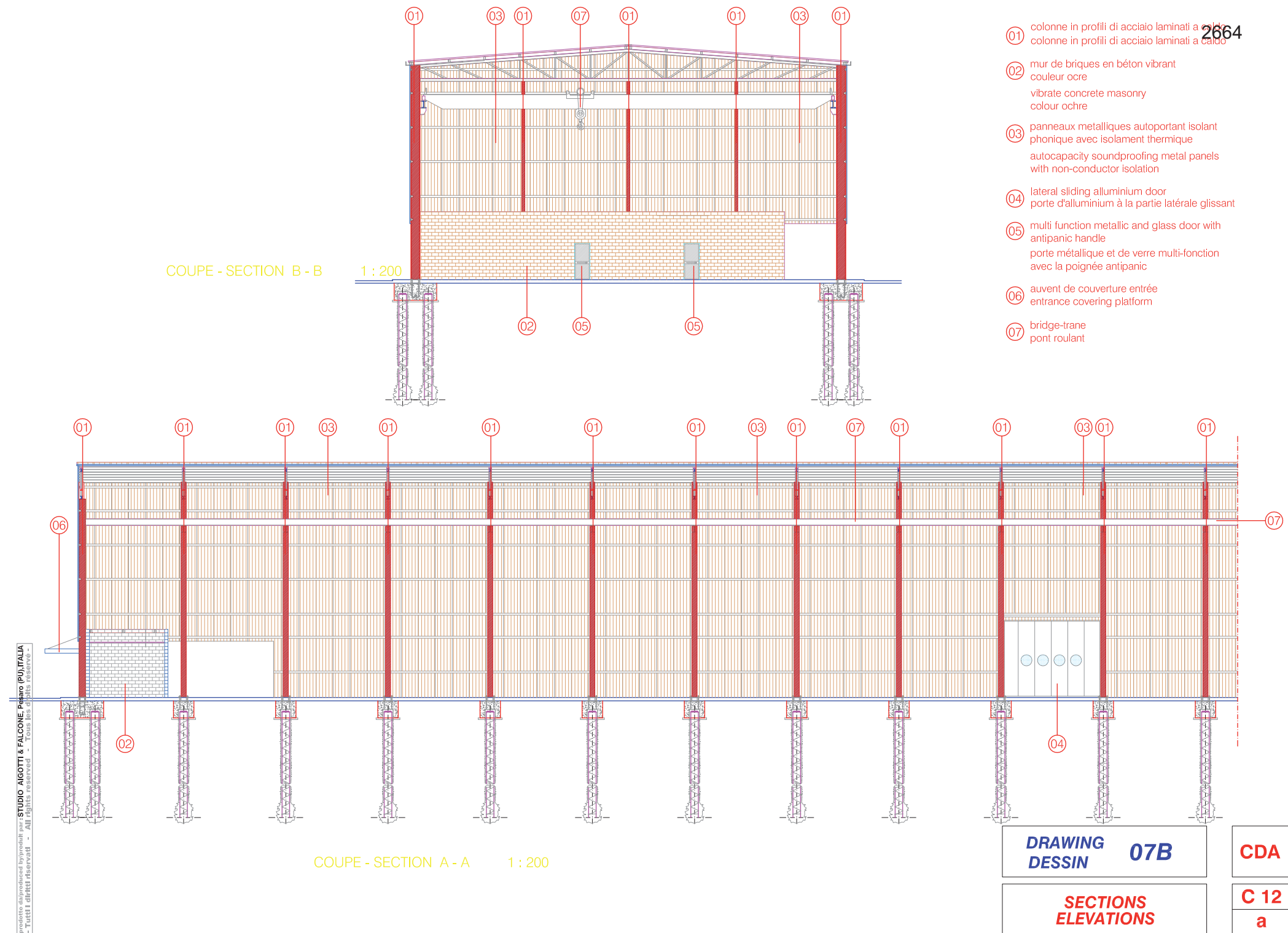
COUPES-FACADES
SECTIONS-ELEVATIONS

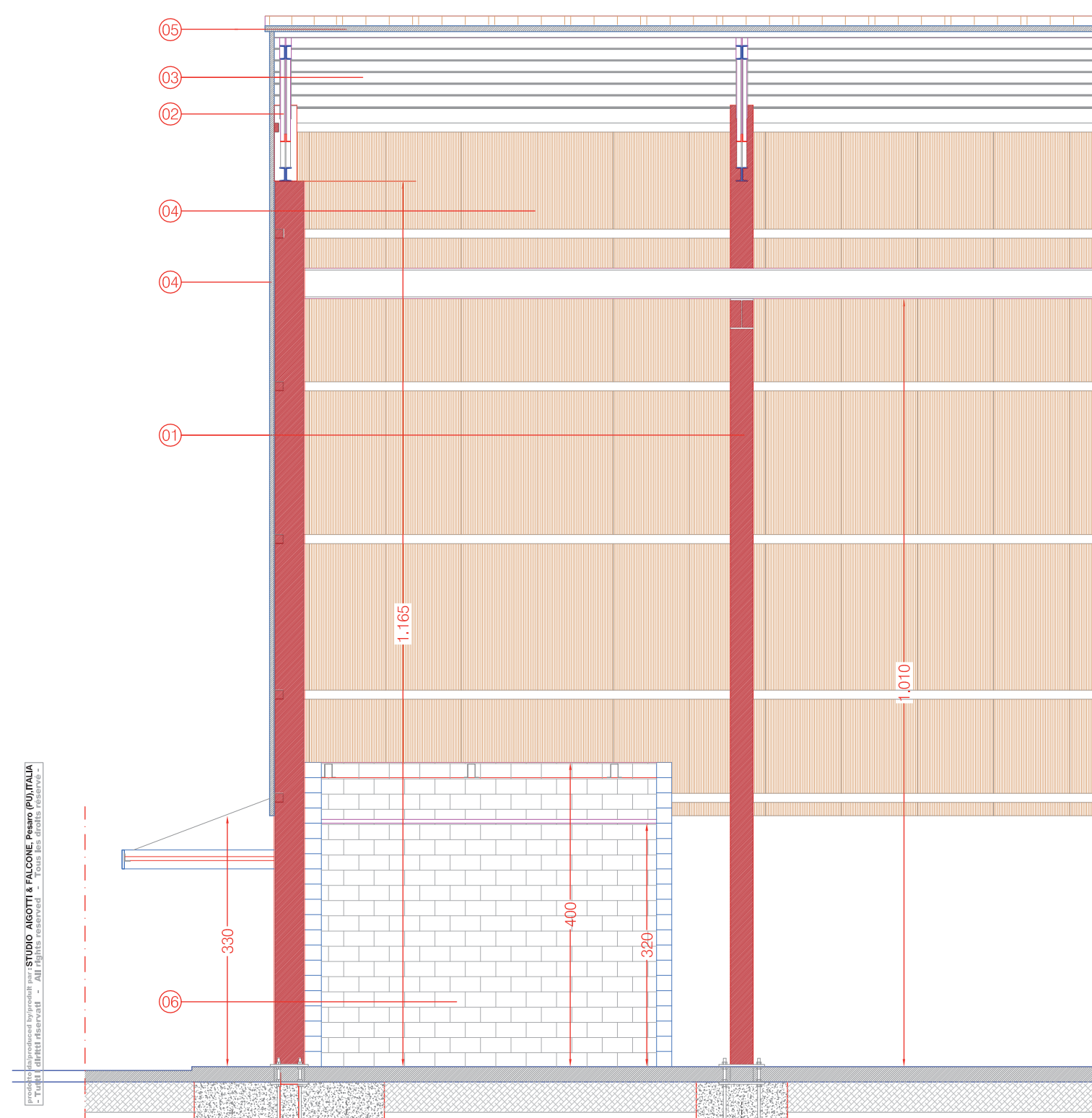
CDA

C 12
a









2665

COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre

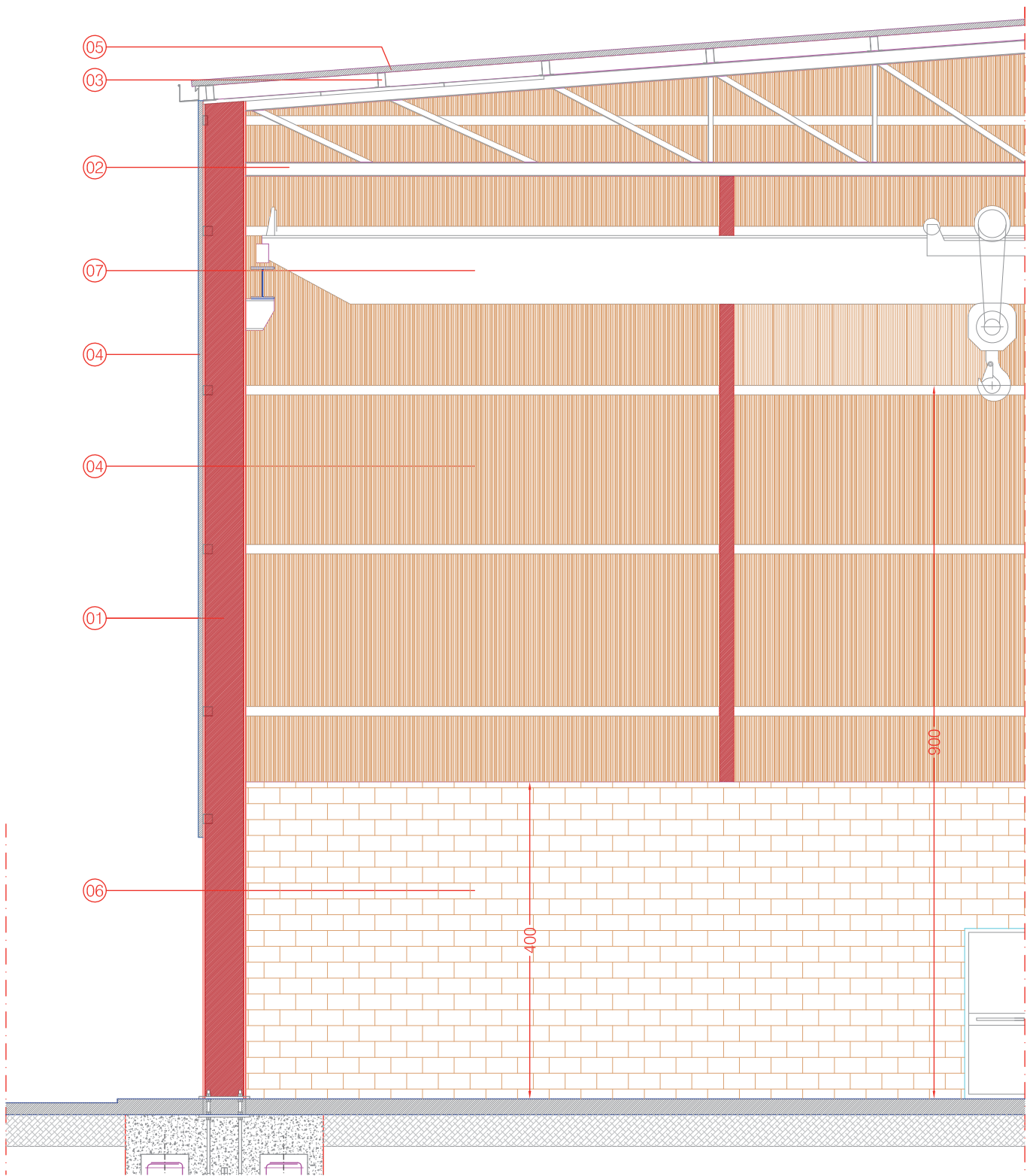
DRAWING
DESSIN 08a

SECTIONS
ELEVATIONS

CDA

C 12
a





2666

COUPE - SECTION B - B 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre
- 07 bridge-trane
pont roulant

DRAWING
DESSIN 08b

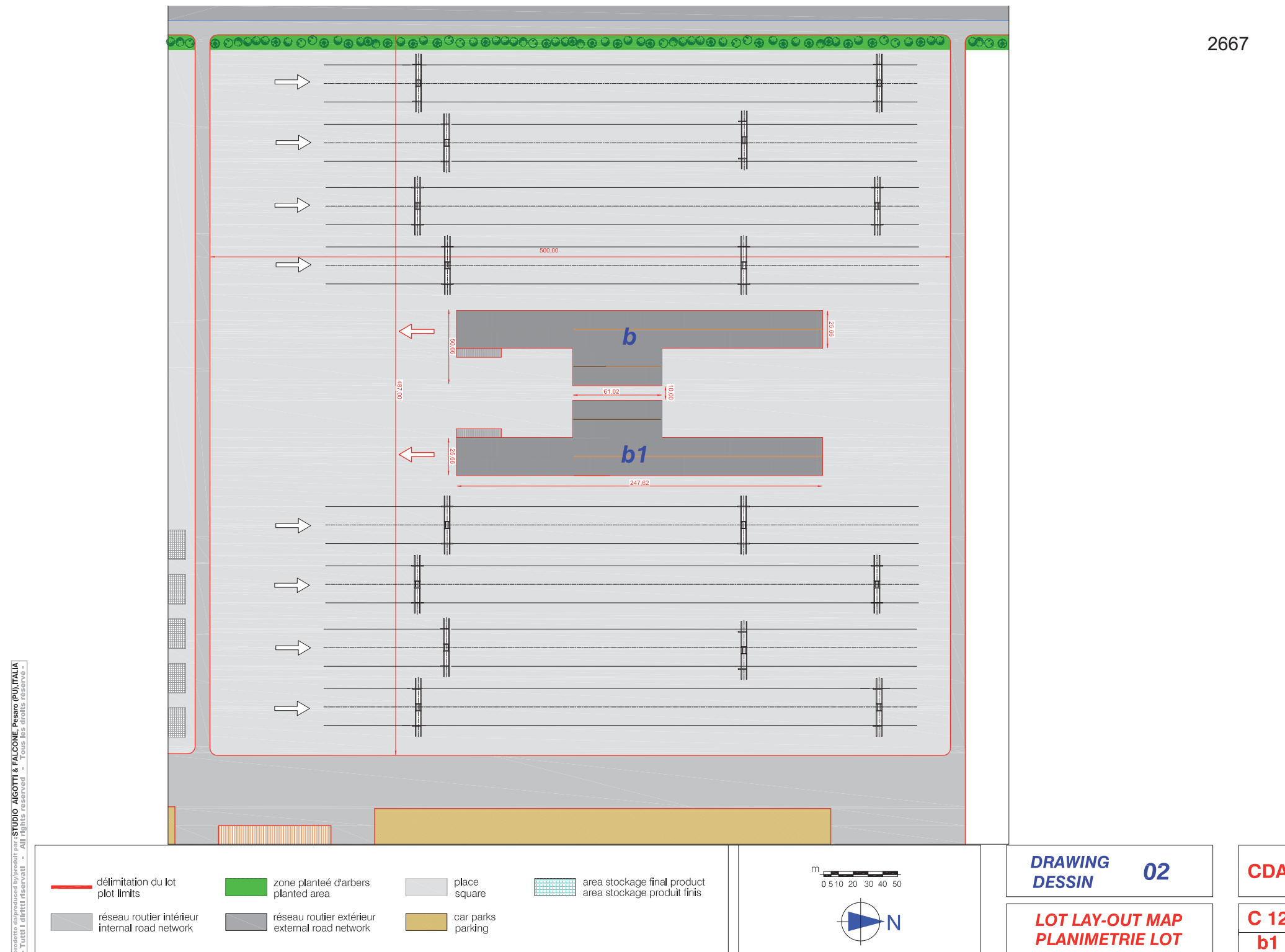
SECTIONS
ELEVATIONS

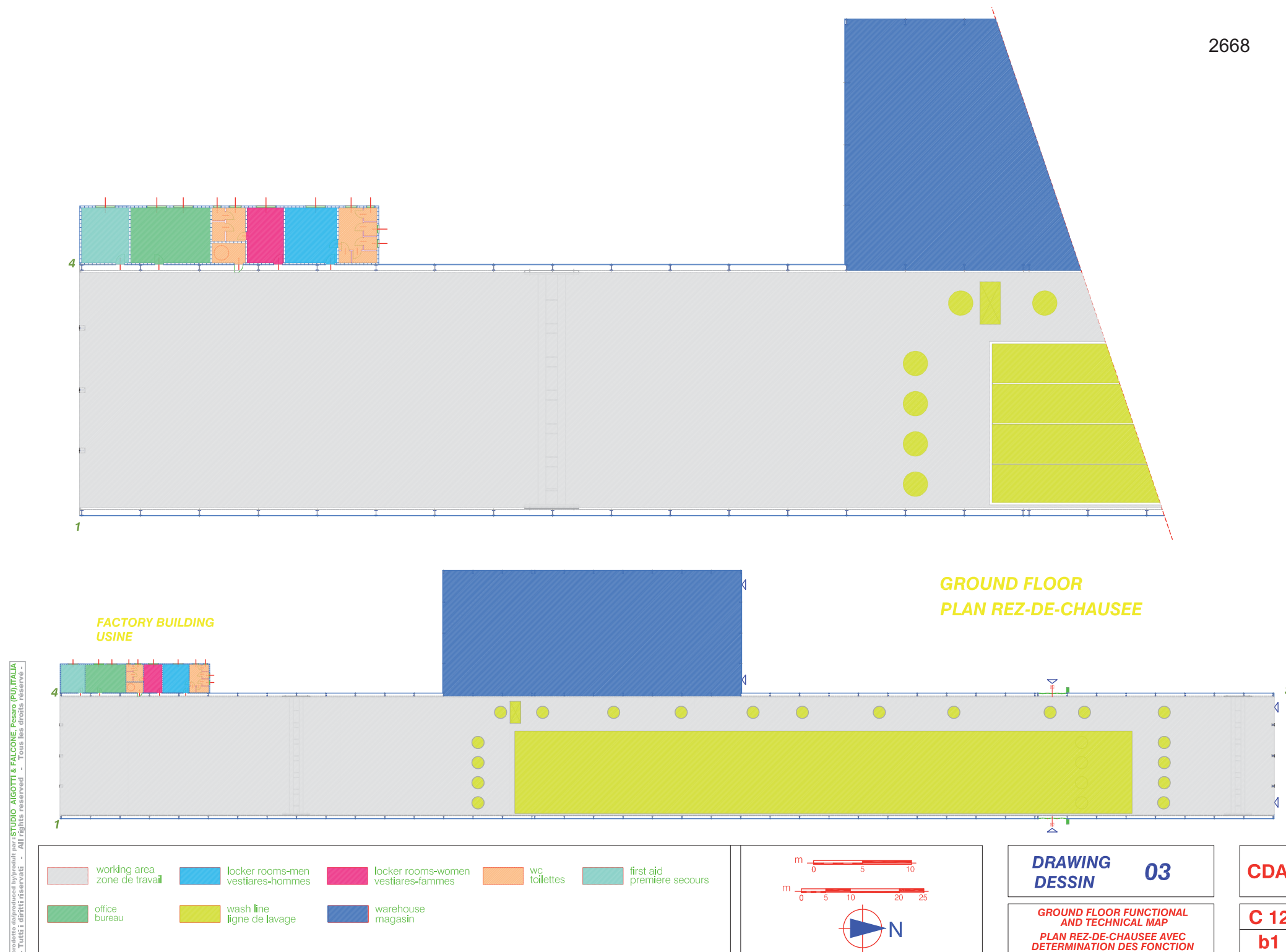
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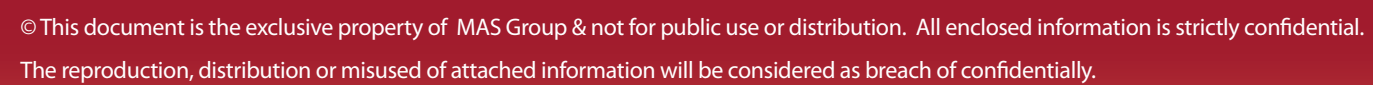
C 12
a

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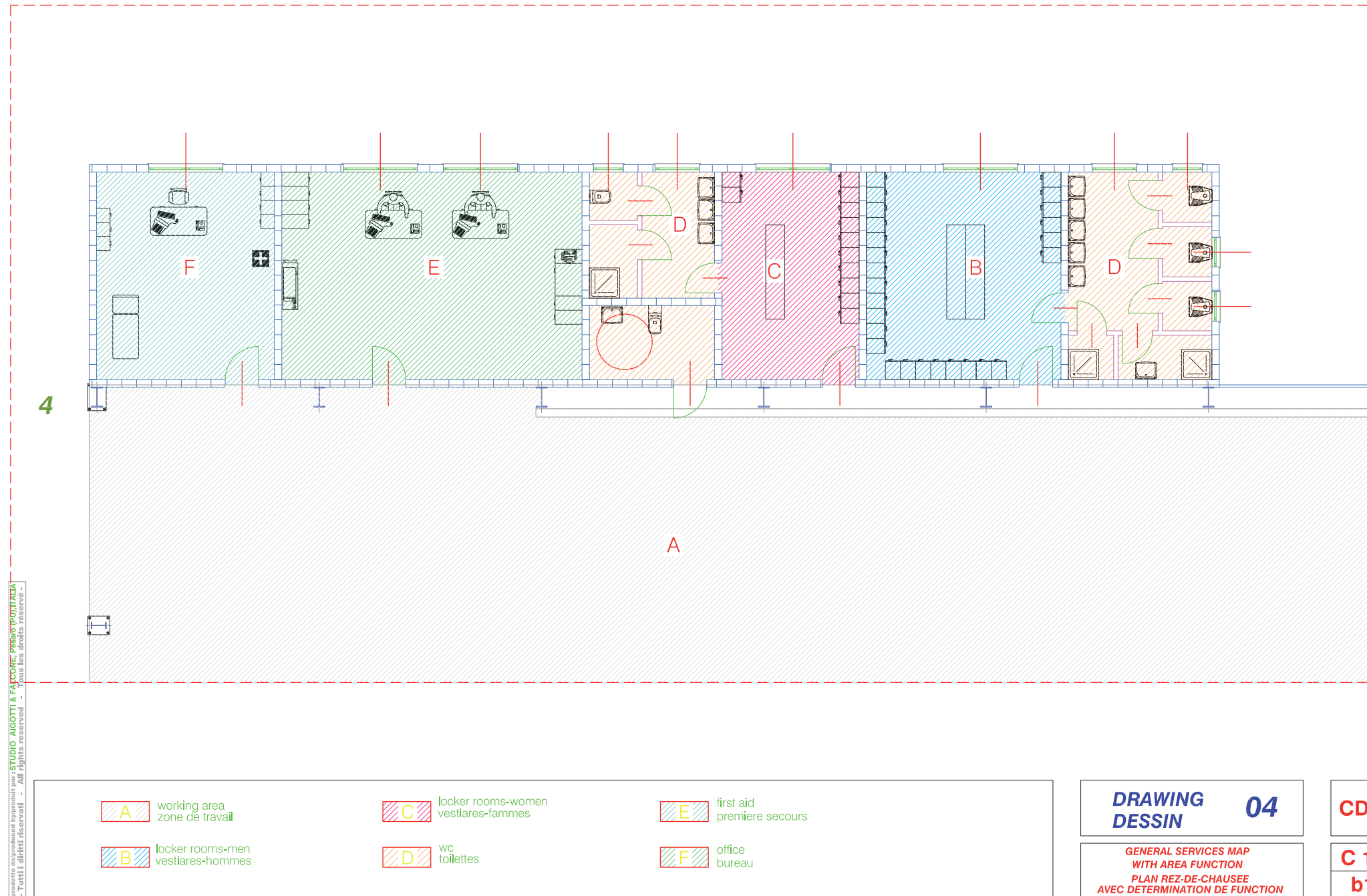






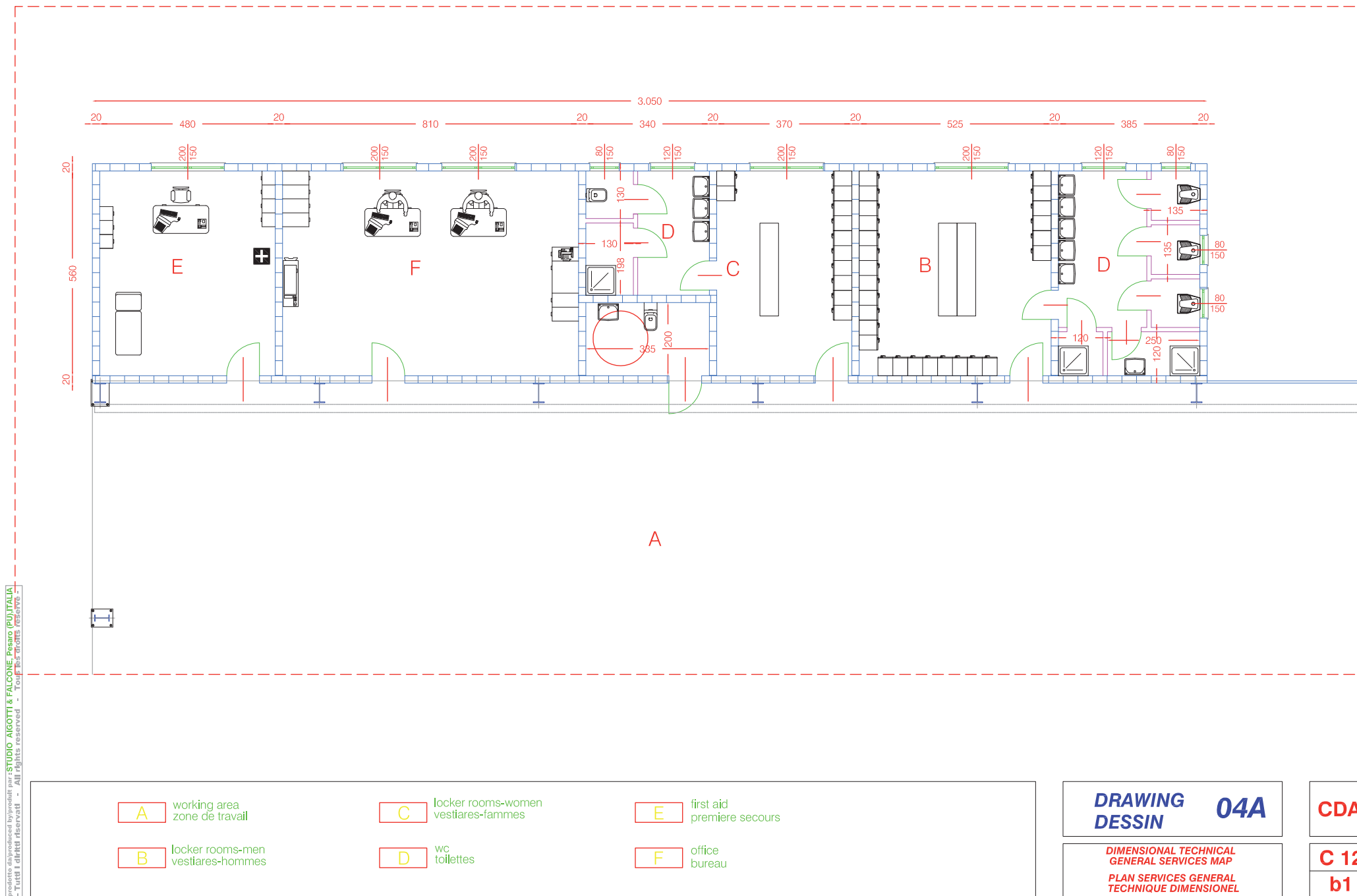


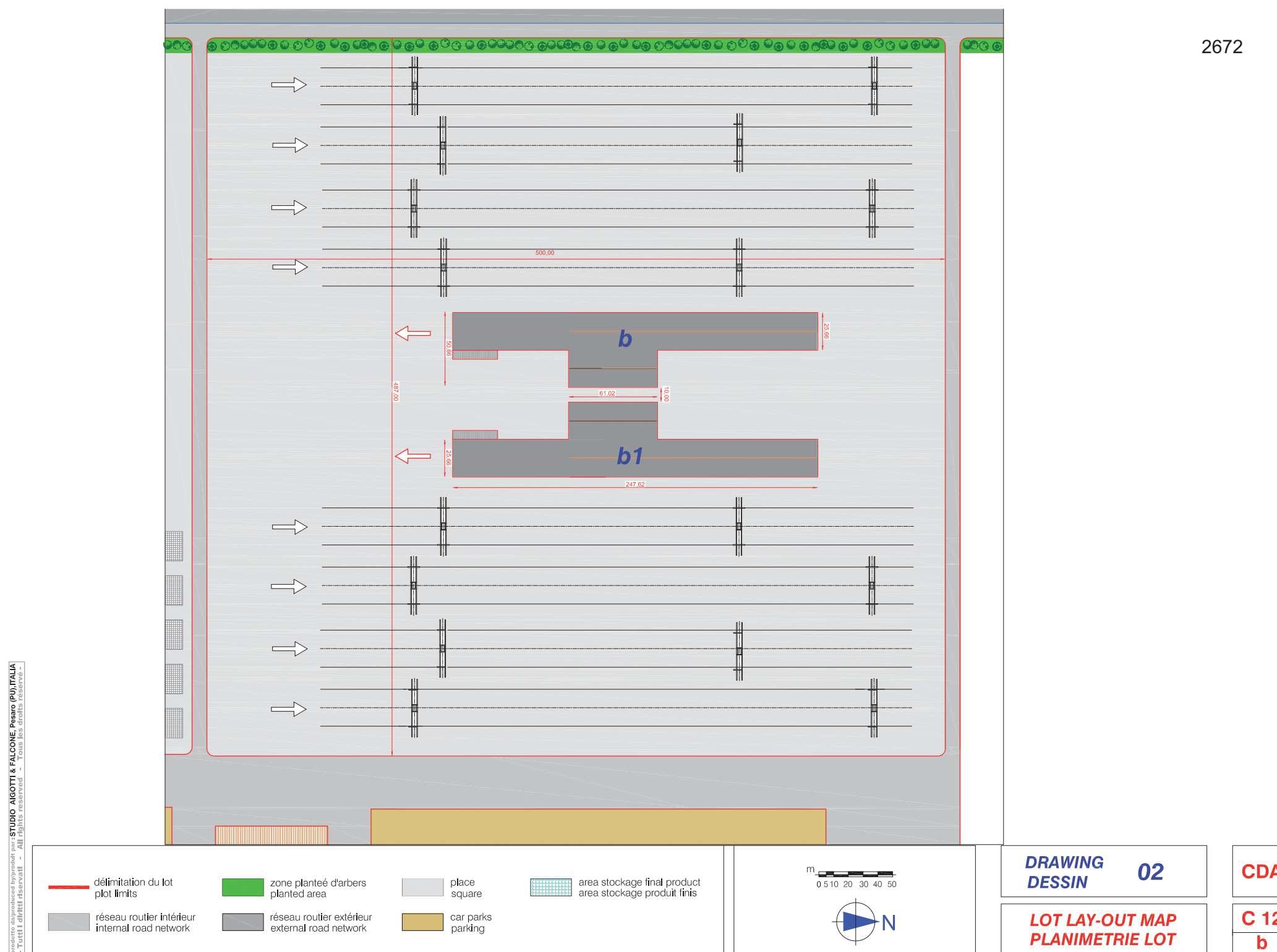
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PLAN REZ-DE-CHAUSEE 1:100

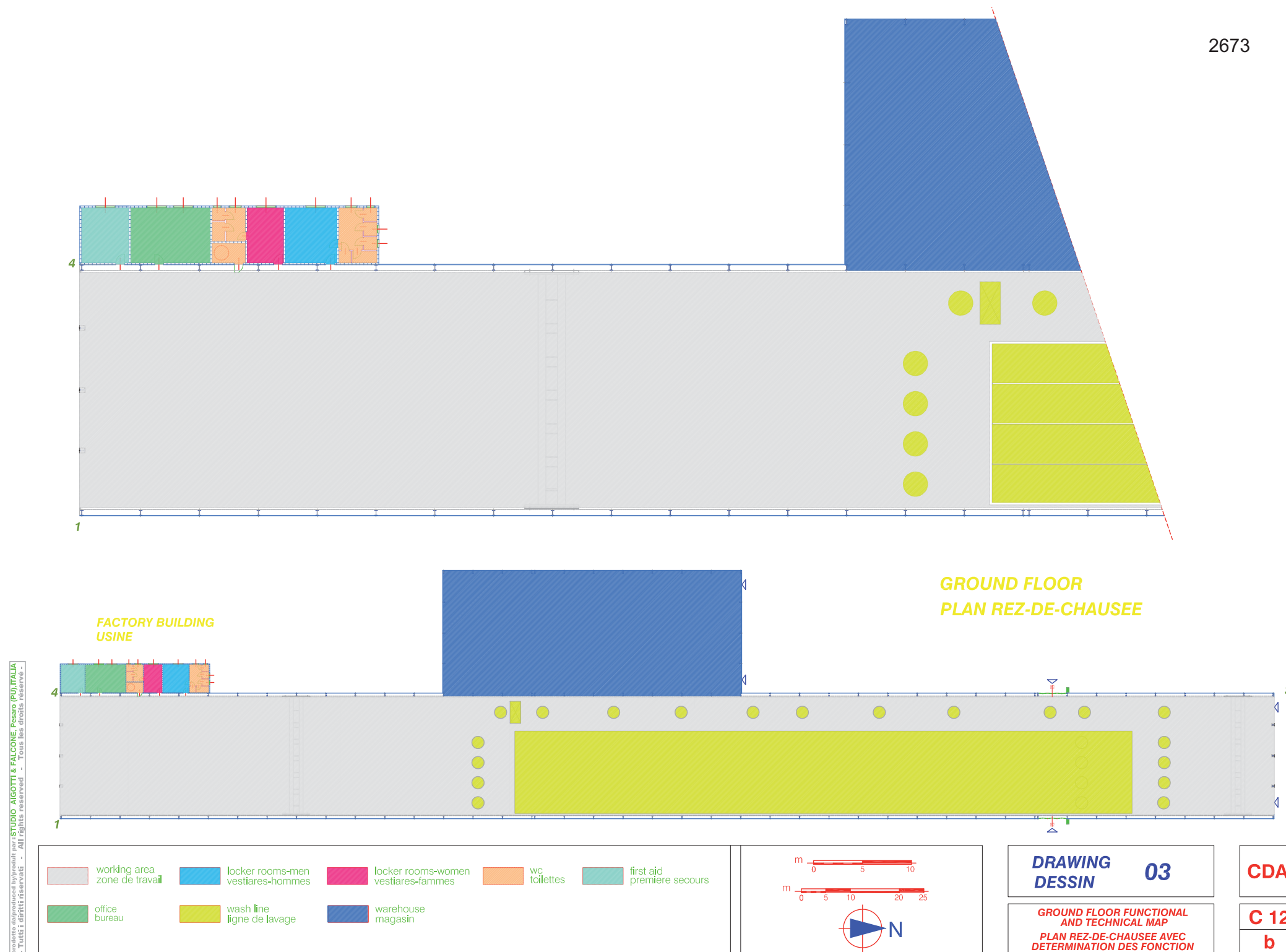


GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100

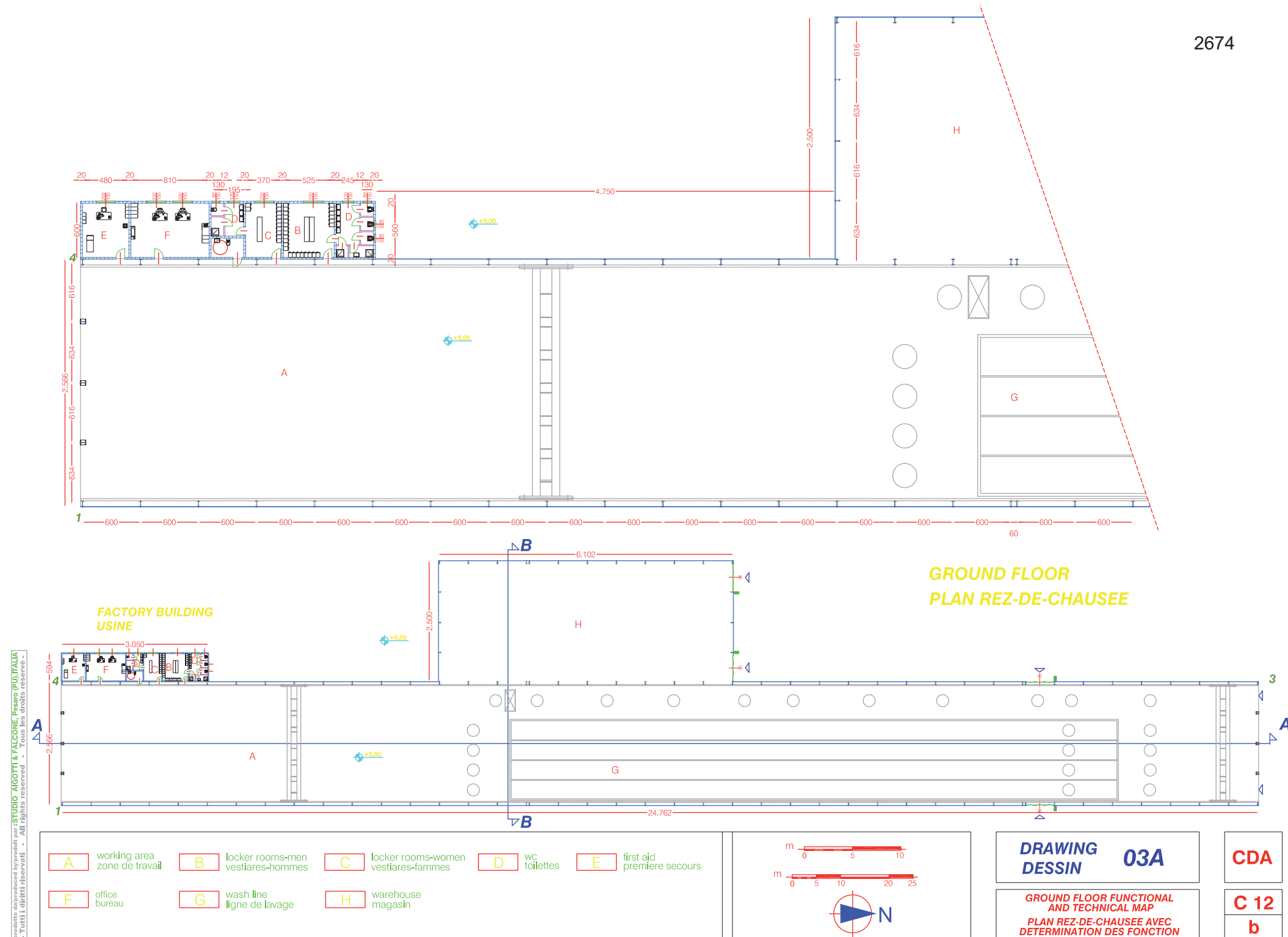
2671



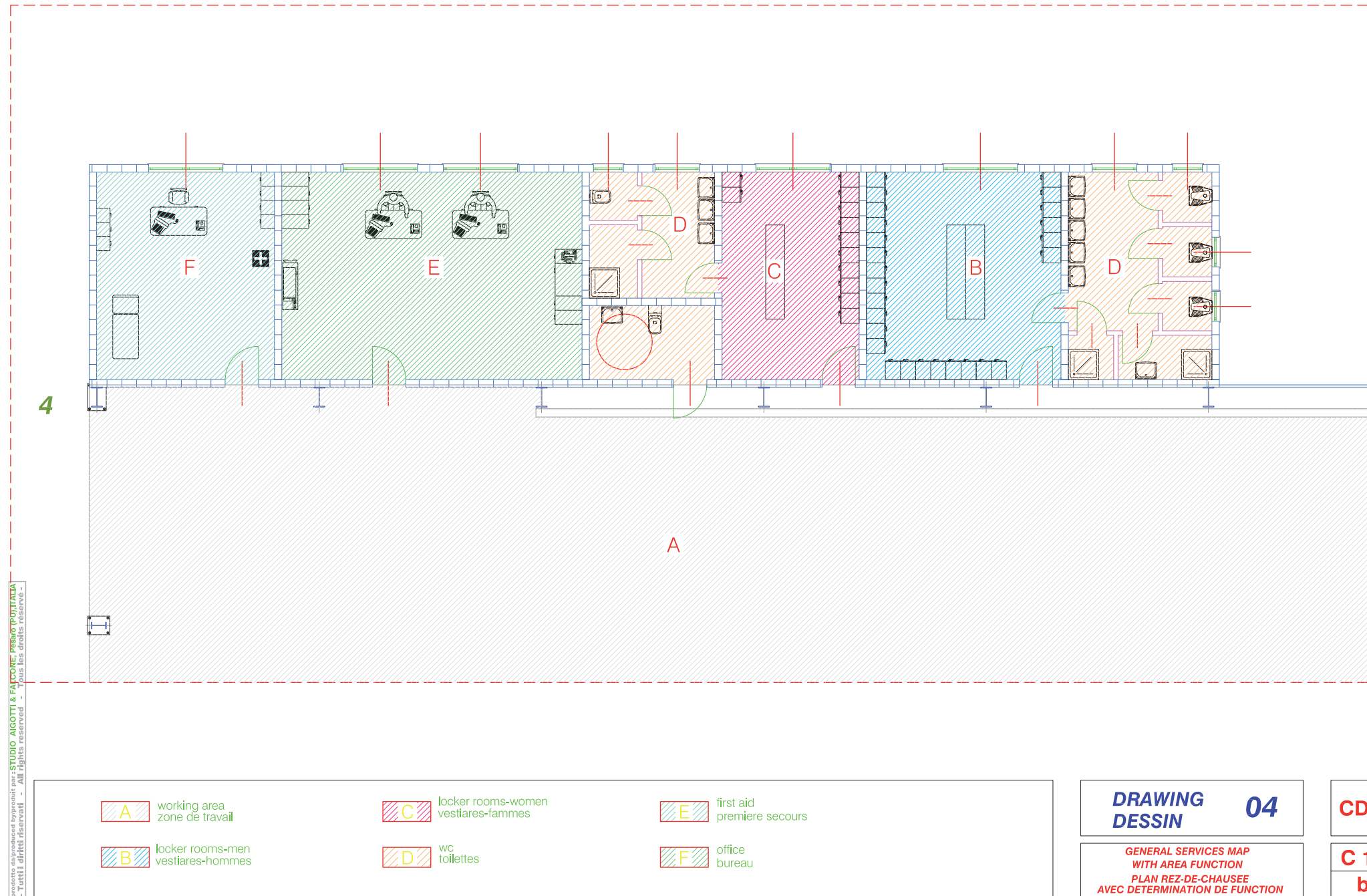




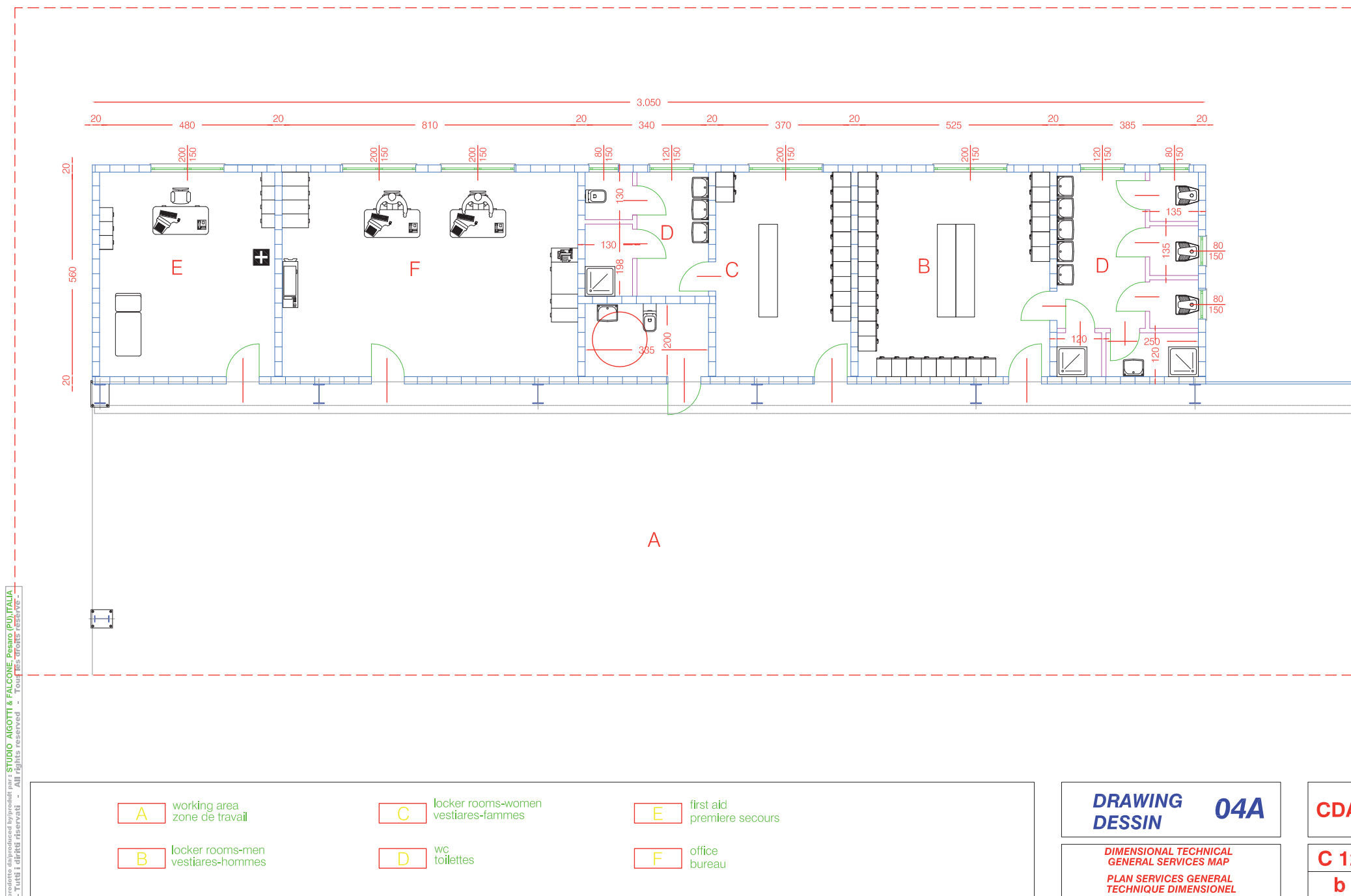
2674



GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100

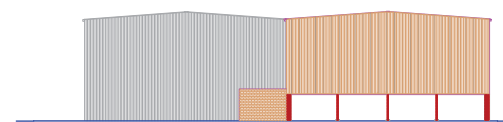


GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100

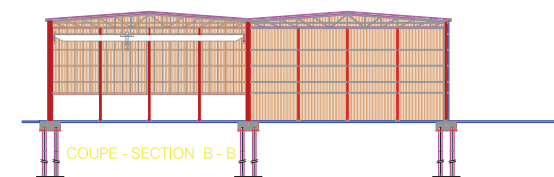




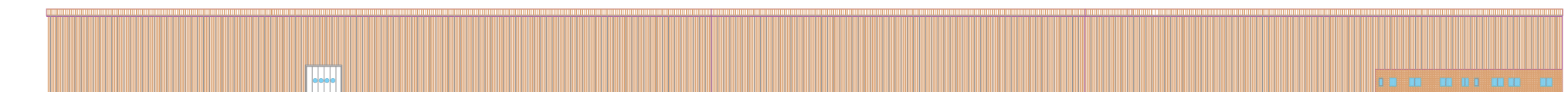
FACADE - ELEVATION 2 - 3



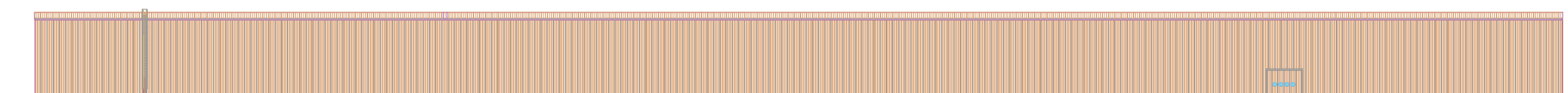
FACADE - ELEVATION 4 - 1



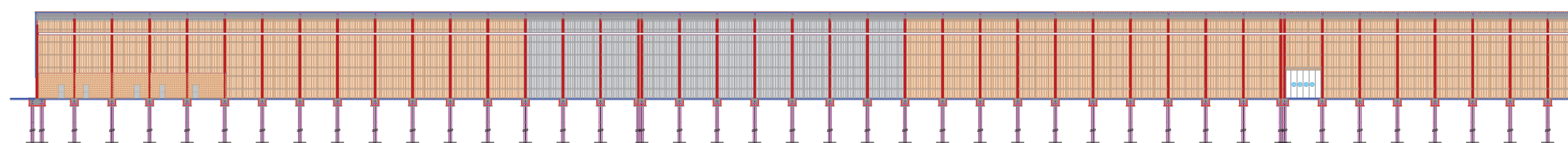
COUPE - SECTION B - B



FACADE - ELEVATION 3 - 4



FACADE - ELEVATION 1 - 2



COUPE - SECTION A - A

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scale - échelle 1:700

**DRAWING
DESSIN**

06

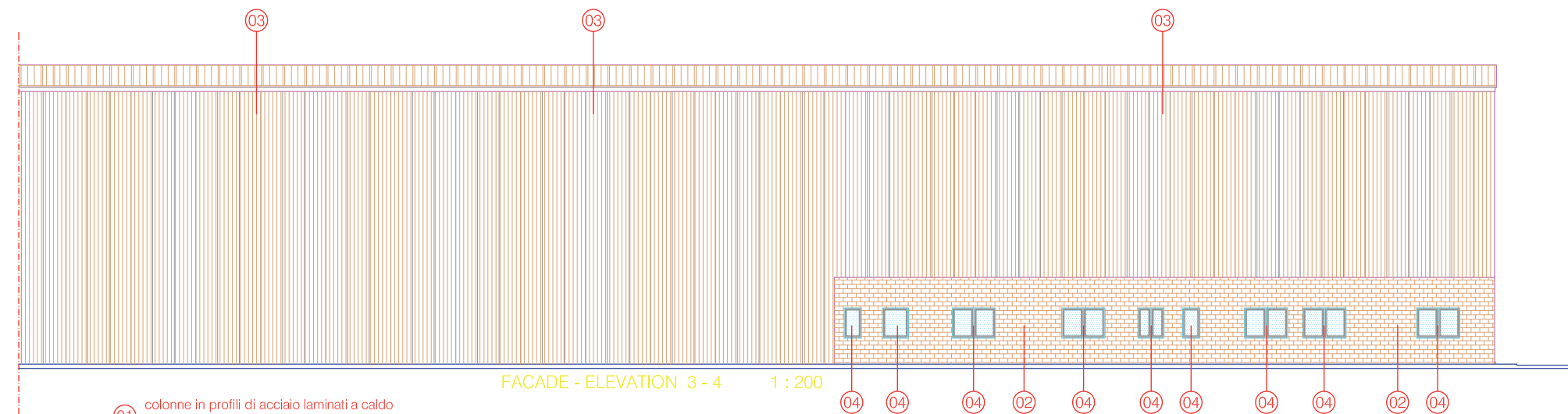
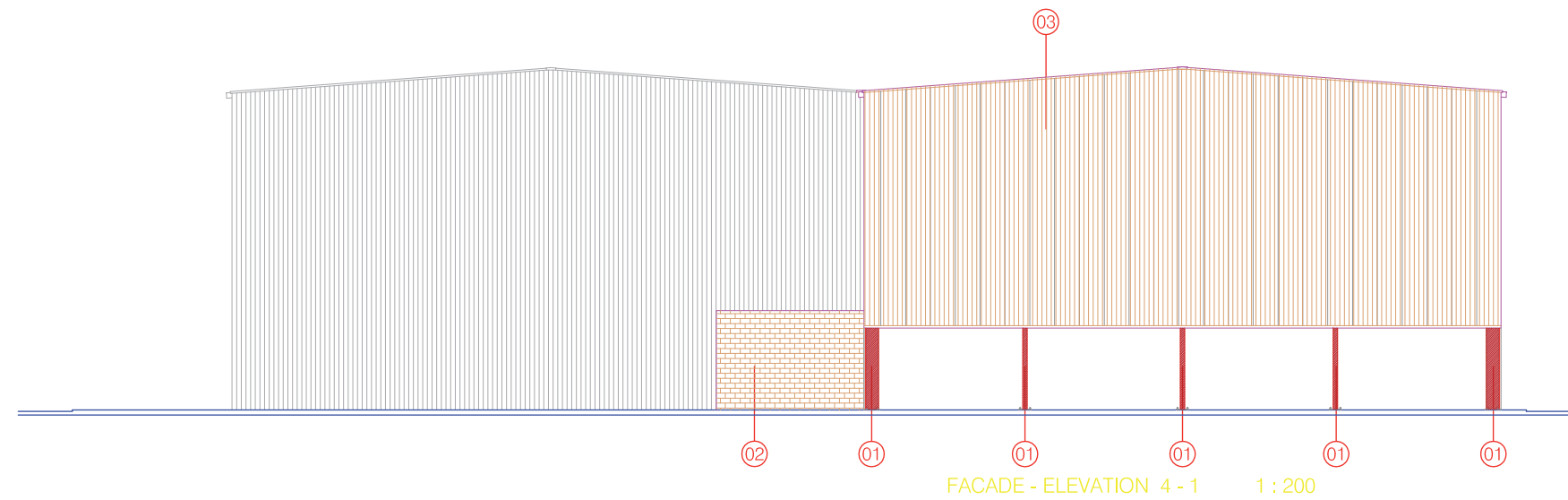
CDA

**COUPES-FACADES
SECTIONS-ELEVATIONS**

C 01

c





- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ pannaux metalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing
fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre

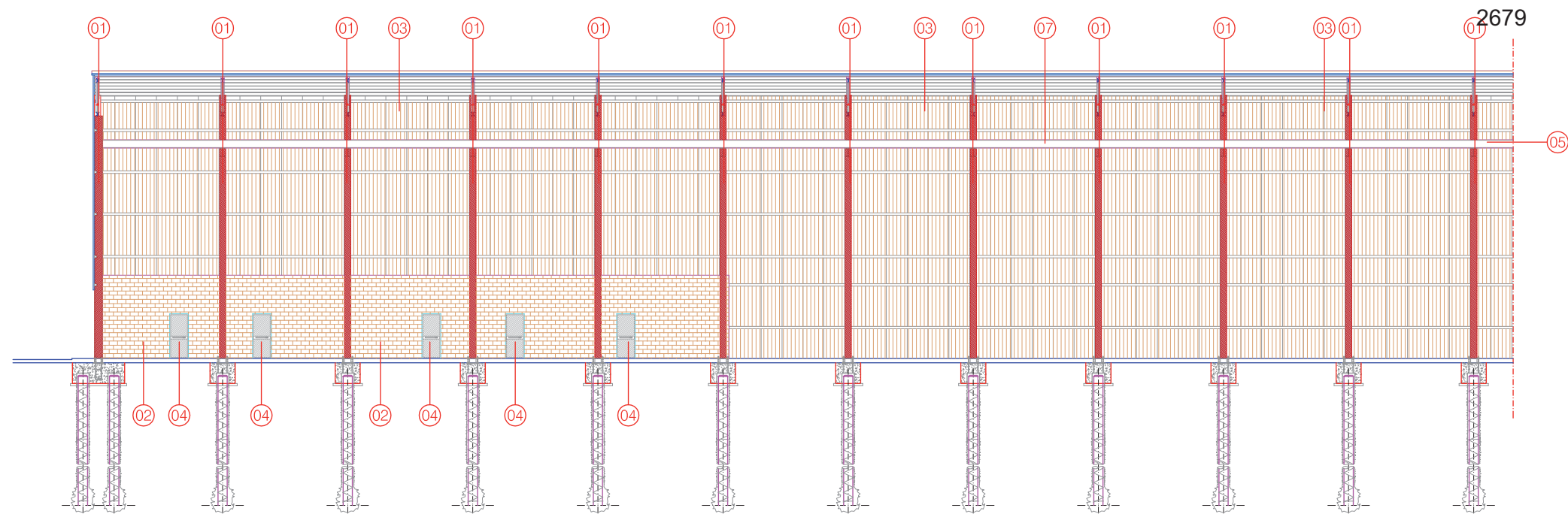
DRAWING
DESSIN **07a**

COUPES
FACADES

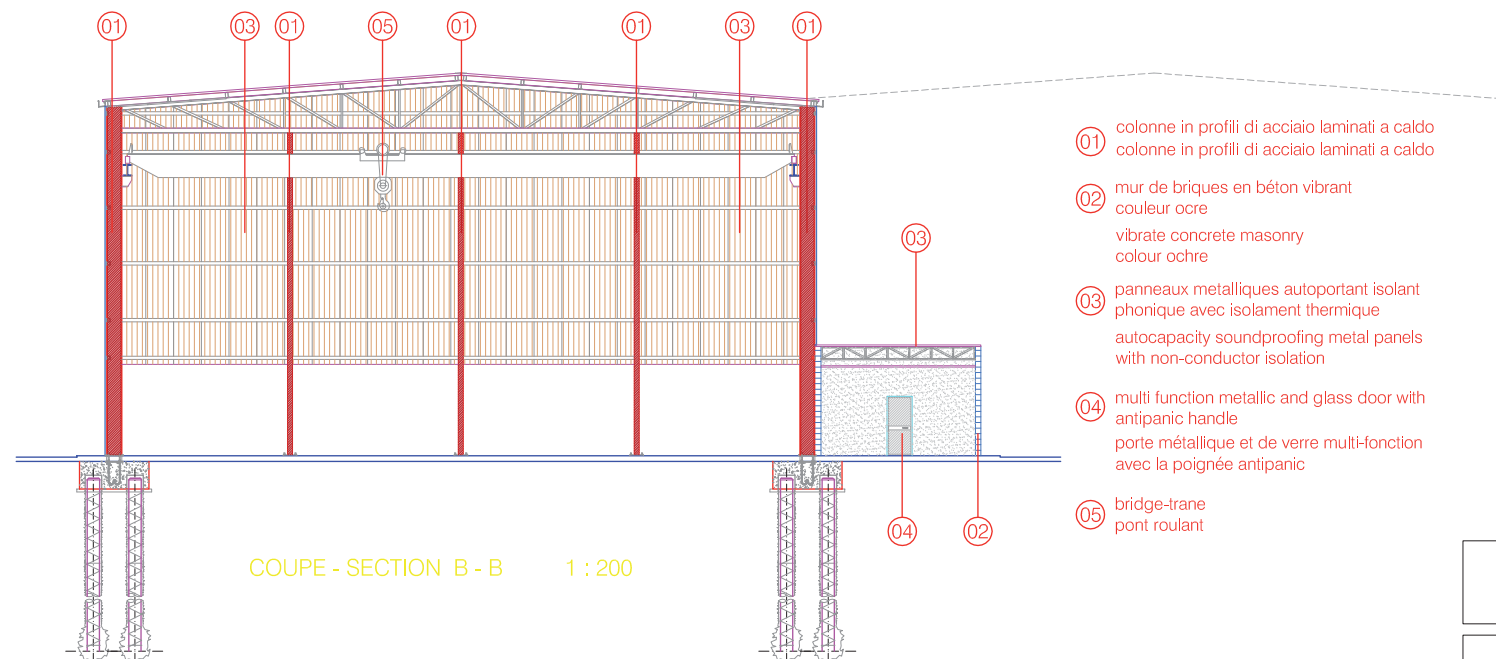
CDA

C 01
c





COUPE - SECTION A - A 1 : 200



COUPE - SECTION B - B 1 : 200

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ multi function metallic and glass door with
antipanic handle
porte métallique et de verre multi-fonction
avec la poignée antipanic
- ⑤ bridge-trane
pont roulant

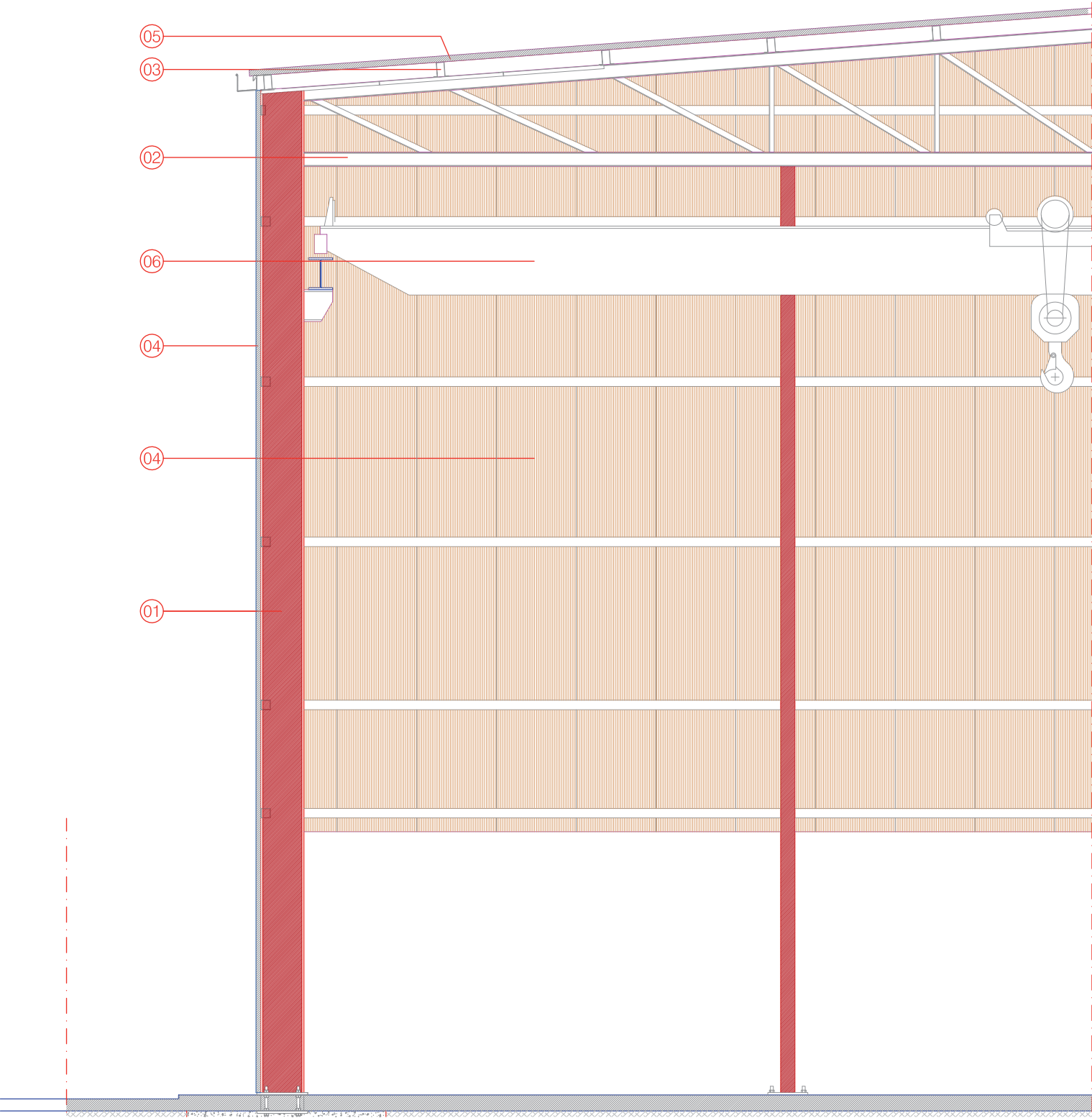
DRAWING
DESSIN 07b

SECTIONS
ELEVATIONS

CDA

C 01
c





2680

COUPE - SECTION B - B 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a c
travi principali di falda in profili di acciaio laminati a c
- 03 arcarecci in profili ad "omega " in acciaio
arcarecci in profili ad "omega " in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 bridge-trane
pont roulant

DRAWING
DESSIN 08a

SECTIONS
ELEVATIONS

CDA

C 01
c

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2681

COUPE - SECTION A - A 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre
- 07 multi function metallic and glass doors with antipanic handle
porte métallique et de verre multi-fonction avec la poignée antipanic

DRAWING
DESSIN

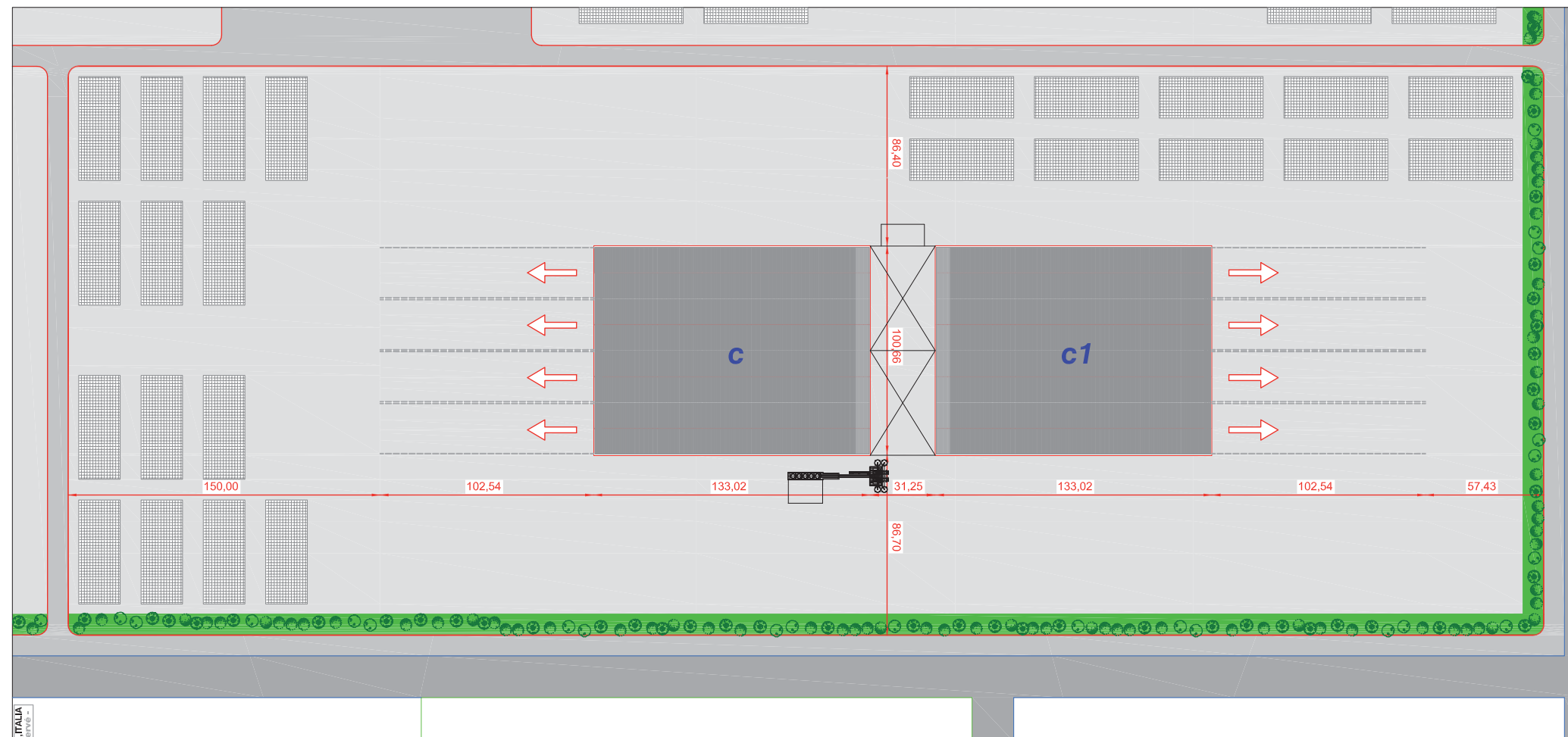
08b

SECTIONS
ELEVATIONS

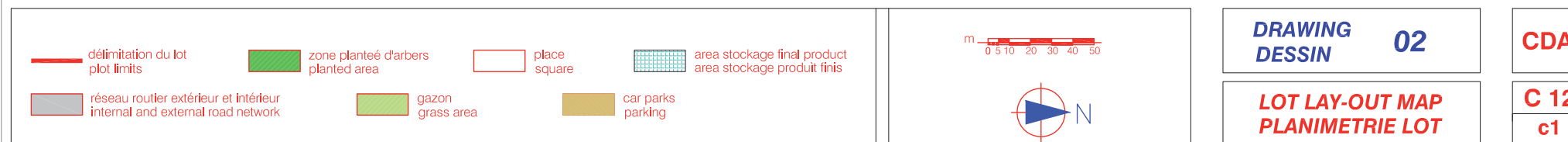
CDA

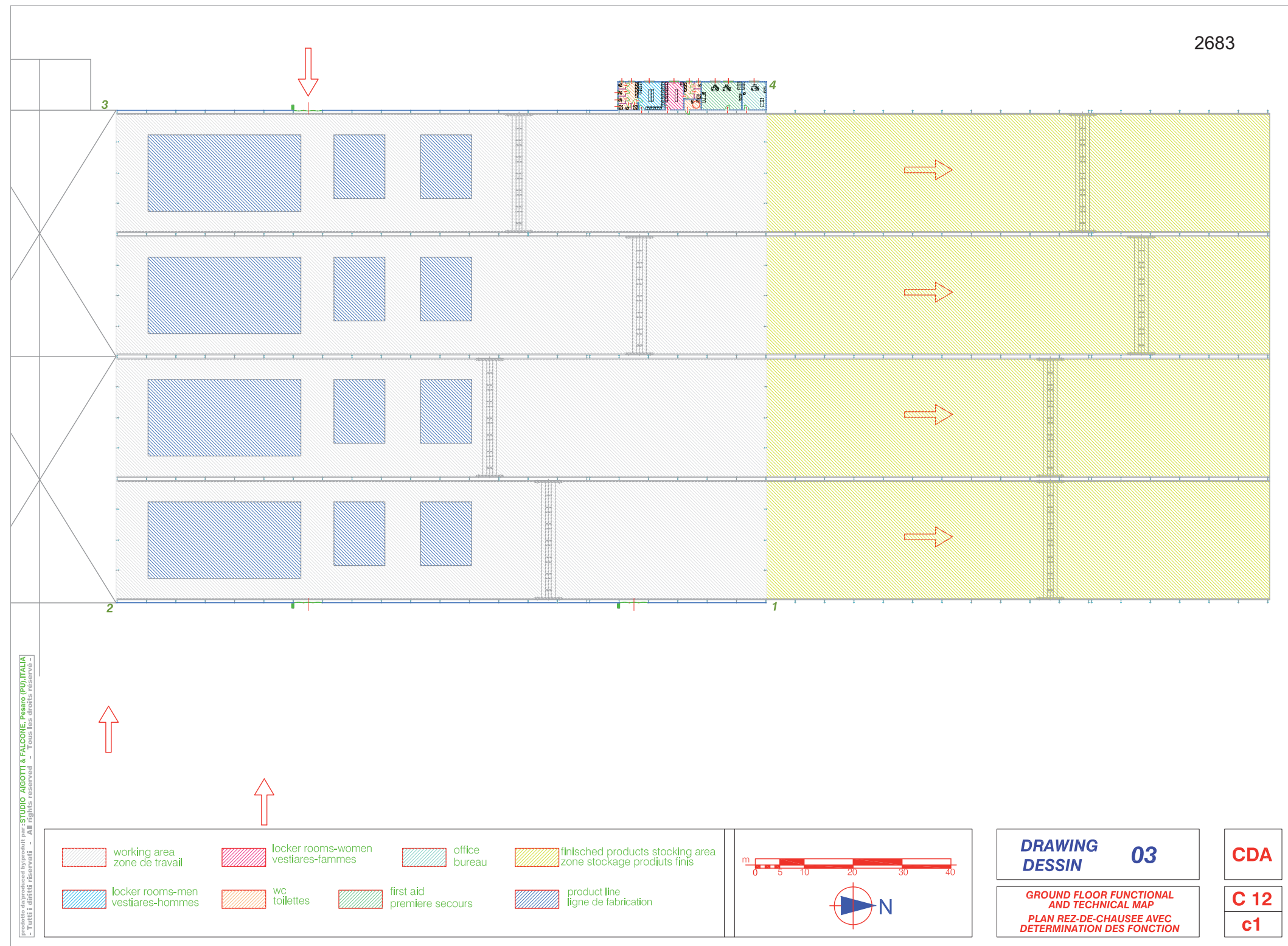
C 01
c

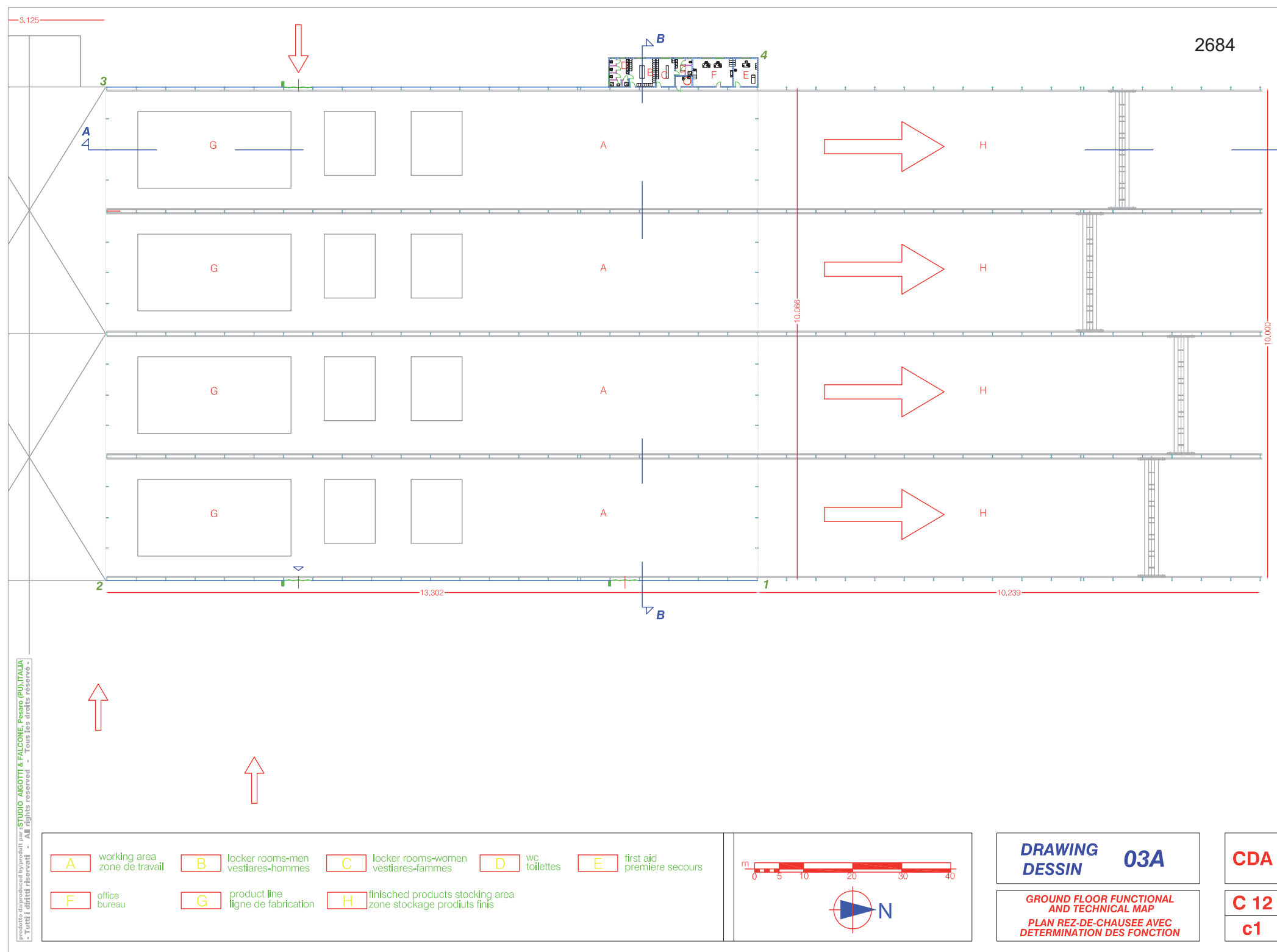




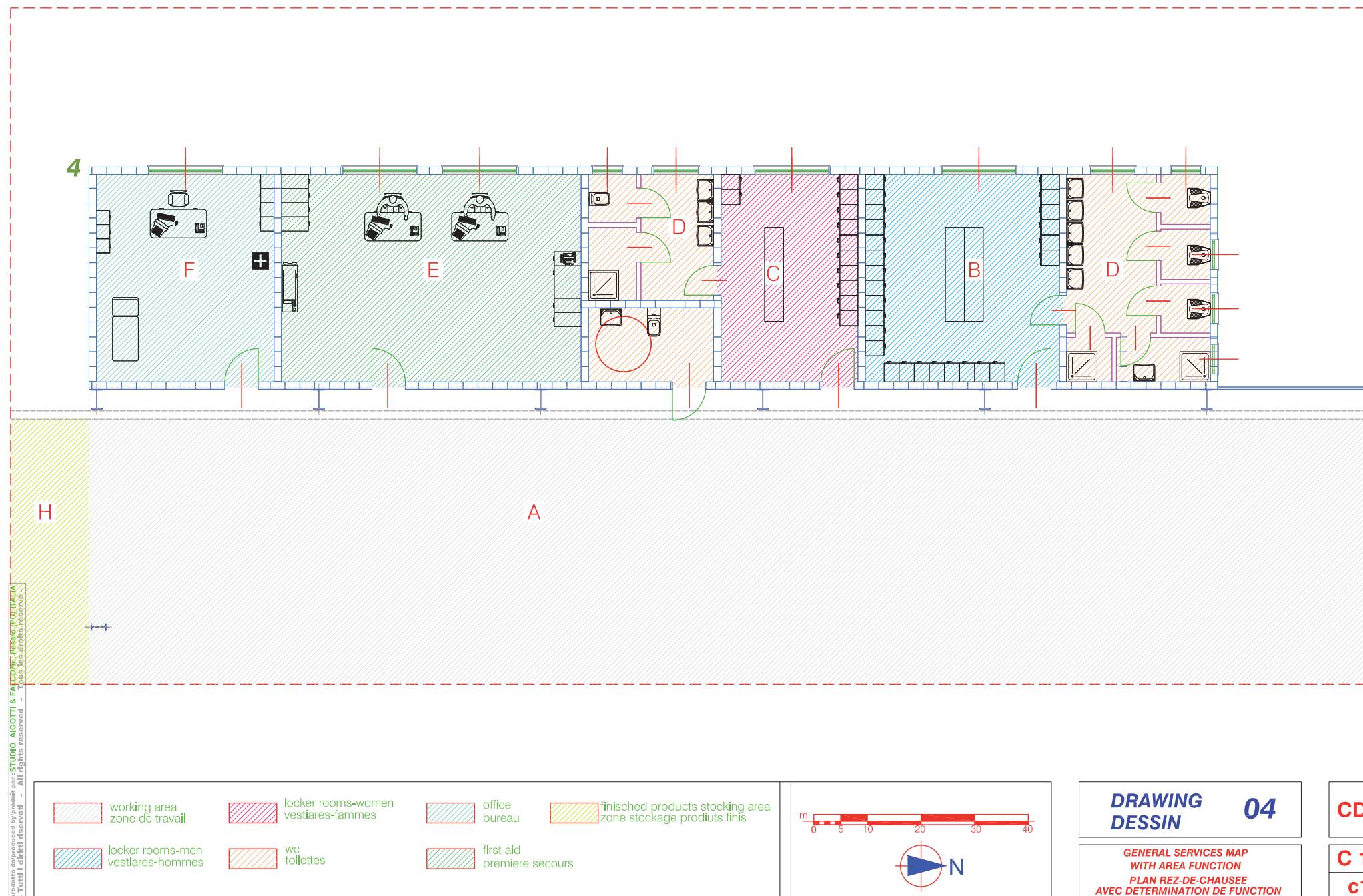
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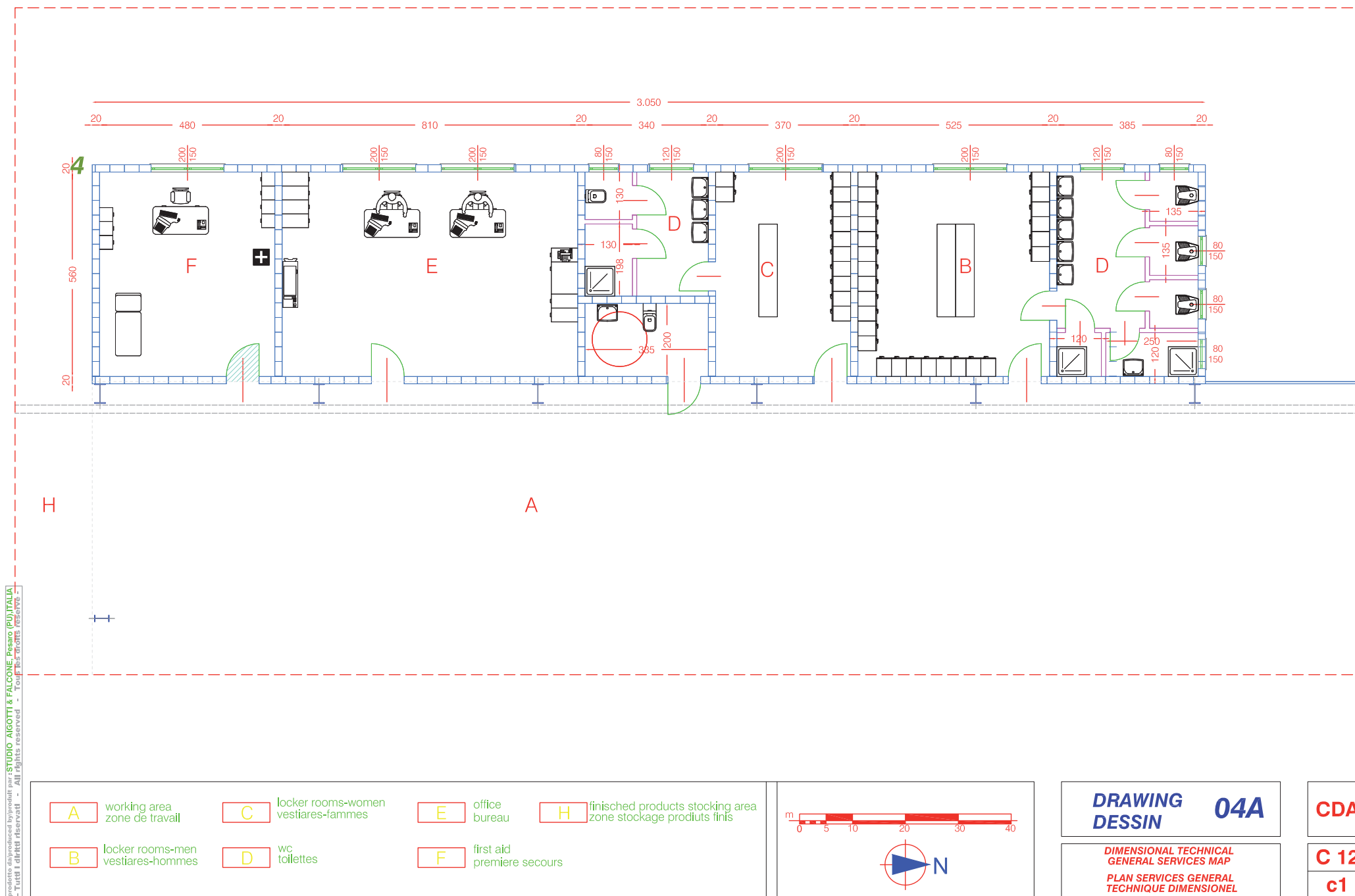


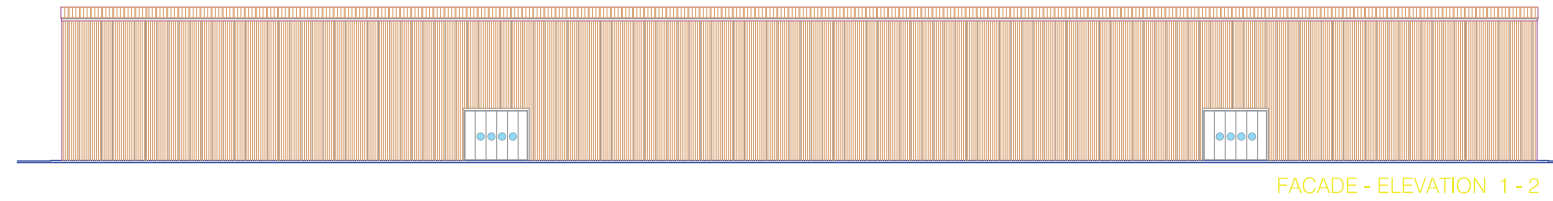
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PLAN REZ-DE-CHAUSEE 1:100



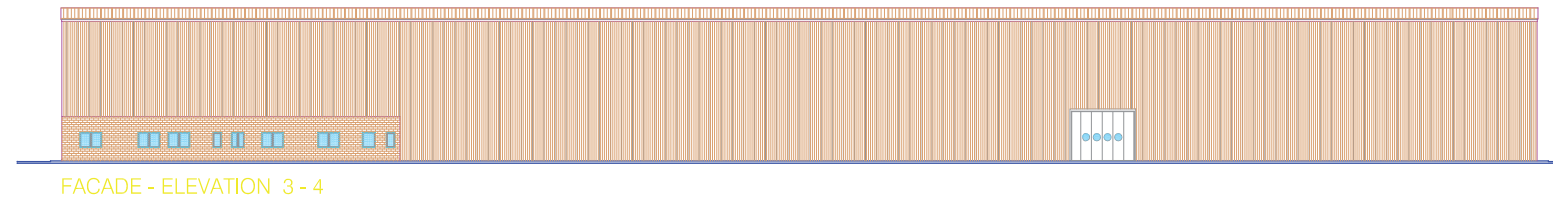
GROUND FLOOR 1:100

PLAN REZ-DE-CHAUSEE 1:100

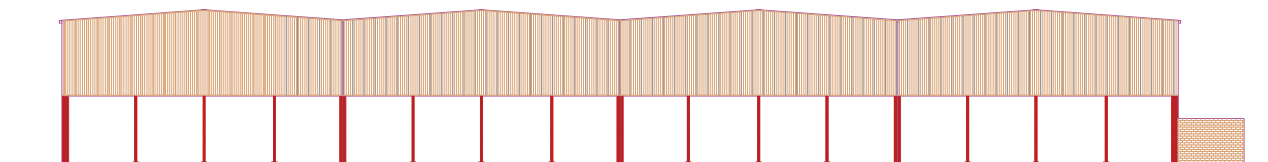




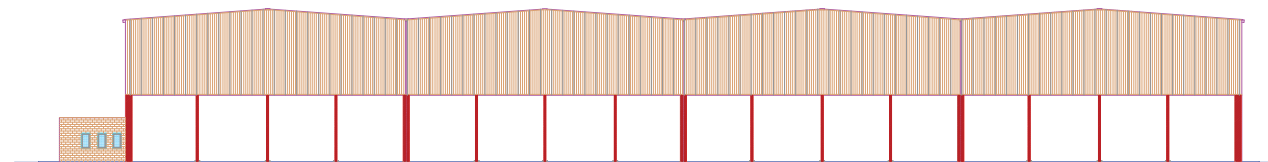
FACADE - ELEVATION 1 - 2



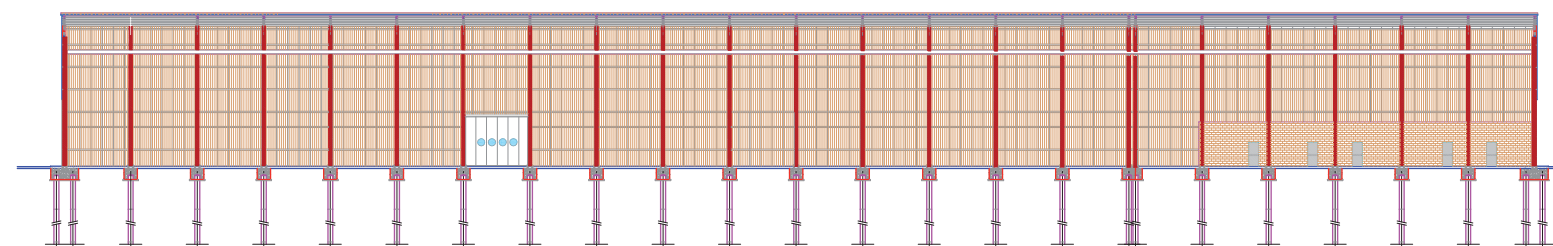
FACADE - ELEVATION 3 - 4



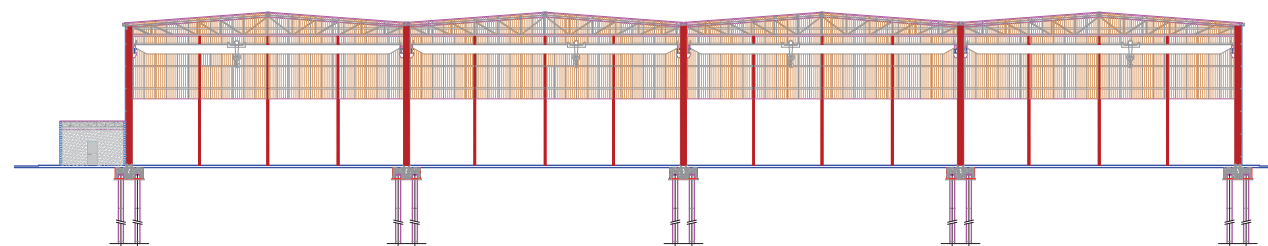
FACADE - ELEVATION 1 - 4 1 : 500



FACADE - ELEVATION 2 - 3 1 : 500



COUPE - SECTION A - A 1 : 500



COUPE - SECTION B - B 1 : 500

DRAWING
DESSIN 06

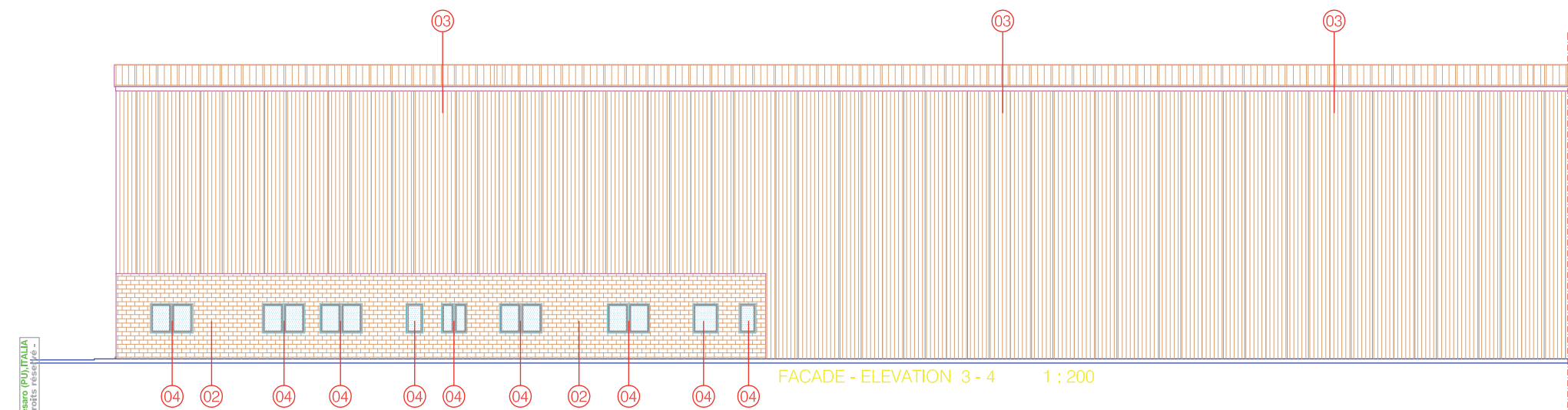
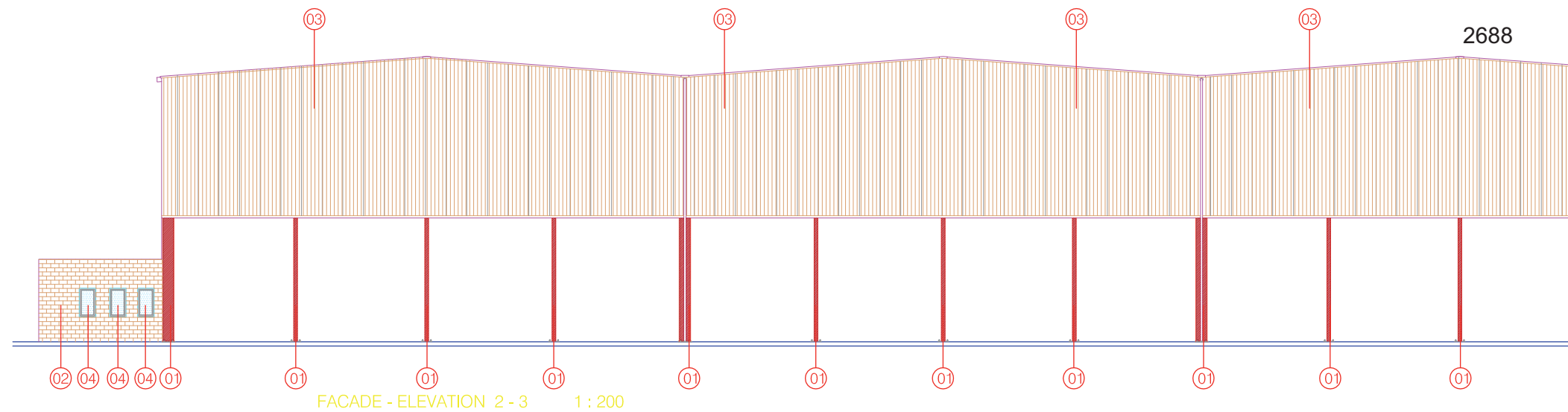
COUPES-FACADES
SECTIONS-ELEVATIONS

CDA

C 12
c1

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projeté, révisé, dessiné, vérifié, approuvé, studio ANGOTTI & FALCONE PARIS (ITALIA)
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- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing
fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre

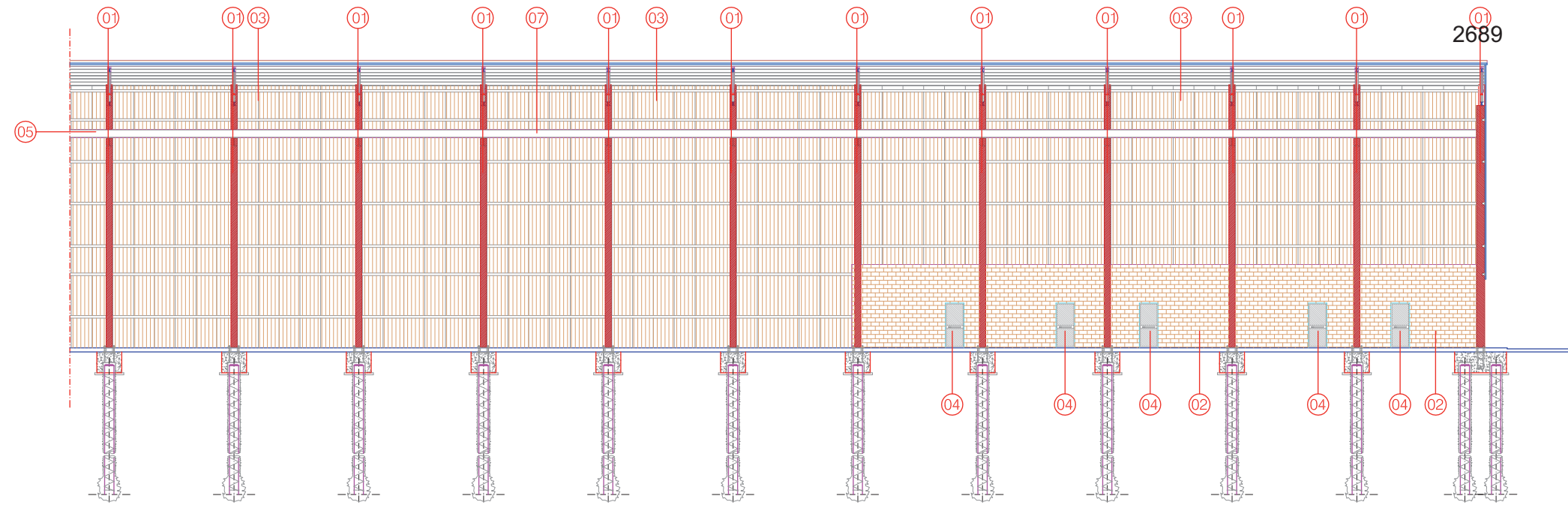
DRAWING
DESSIN 07a

CDA

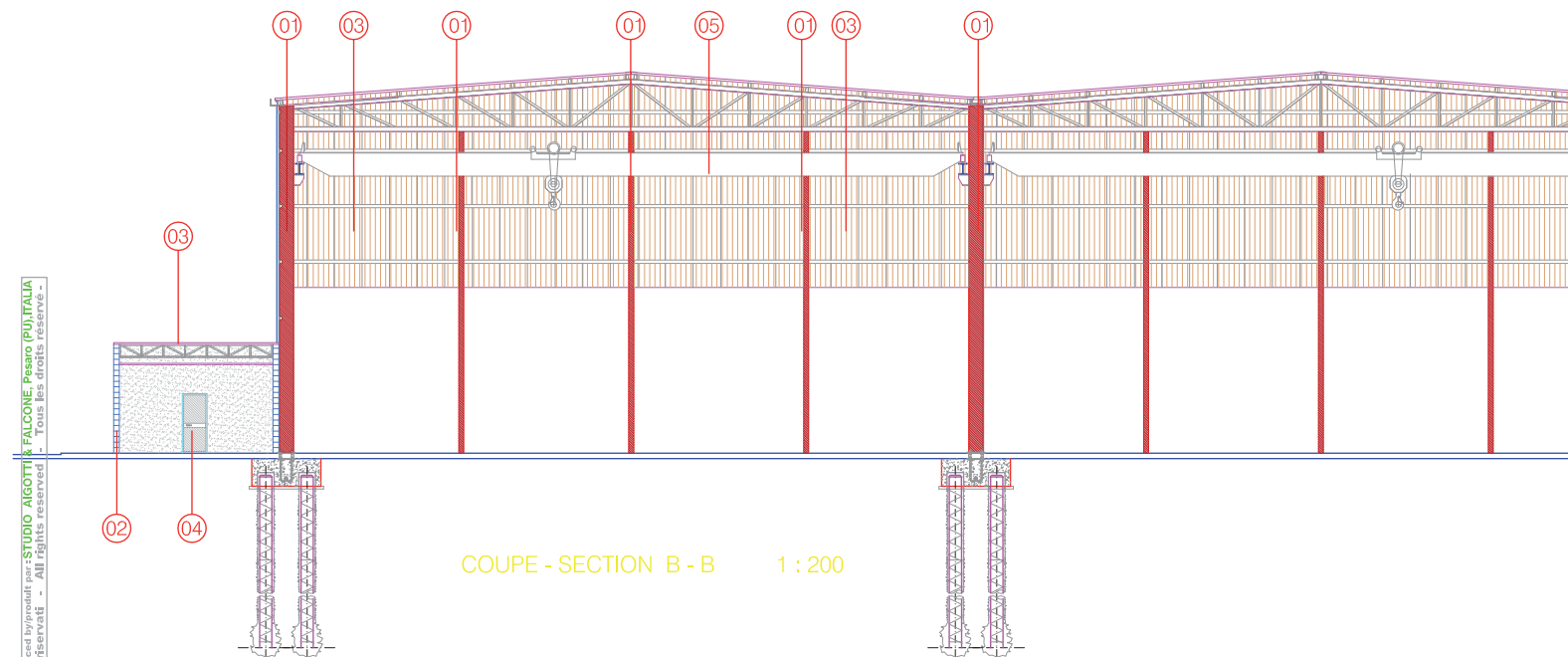
COUPES
FACADES

C 12
c1





COUPE - SECTION A - A 1 : 200



COUPE - SECTION B - B 1 : 200

- ① colonne in profil di acciaio laminati a caldo
colonne in profil di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ multi function metallic and glass door with
antipanic handle
porte métallique et de verre multi-fonction
avec la poignée antipanic
- ⑤ bridge-trane
pont roulant

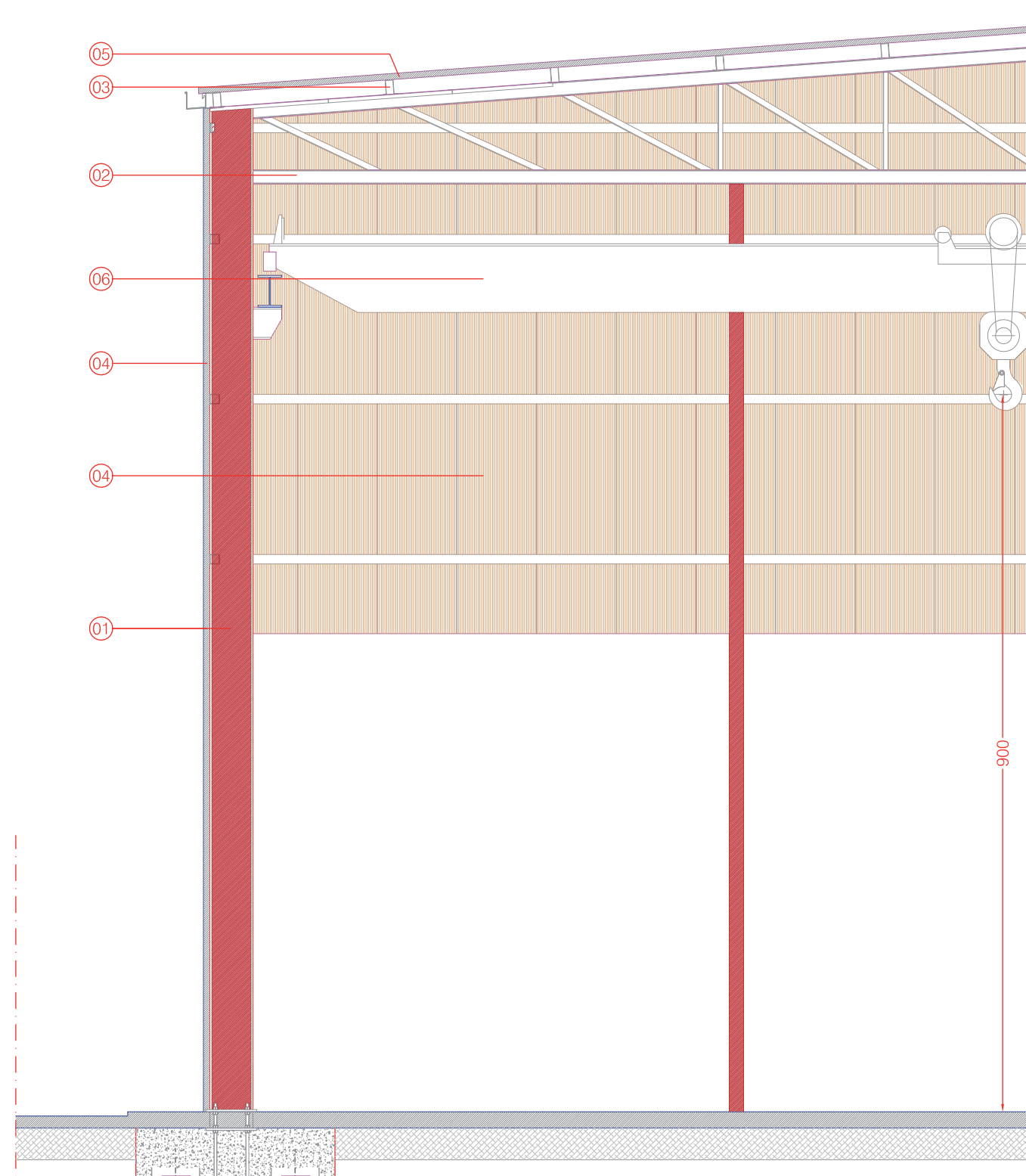
DRAWING
DESSIN **07b**

SECTIONS
ELEVATIONS

CDA

C 12
c1





2690

COUPE - SECTION B - B 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 bridge-trane
pont roulant

DRAWING
DESSIN 08a

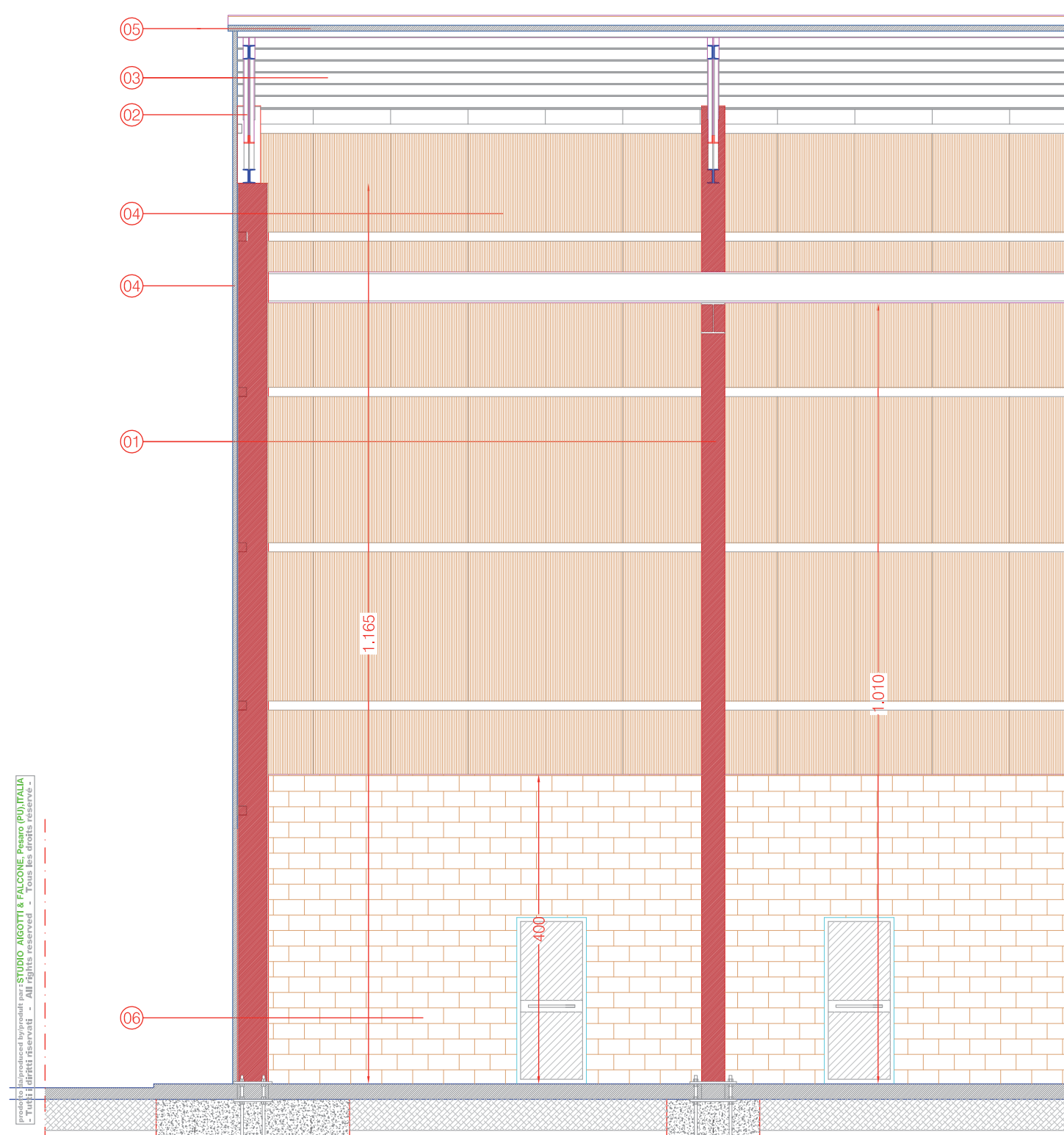
SECTIONS
ELEVATIONS

CDA

C 12
c1



2691



COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre

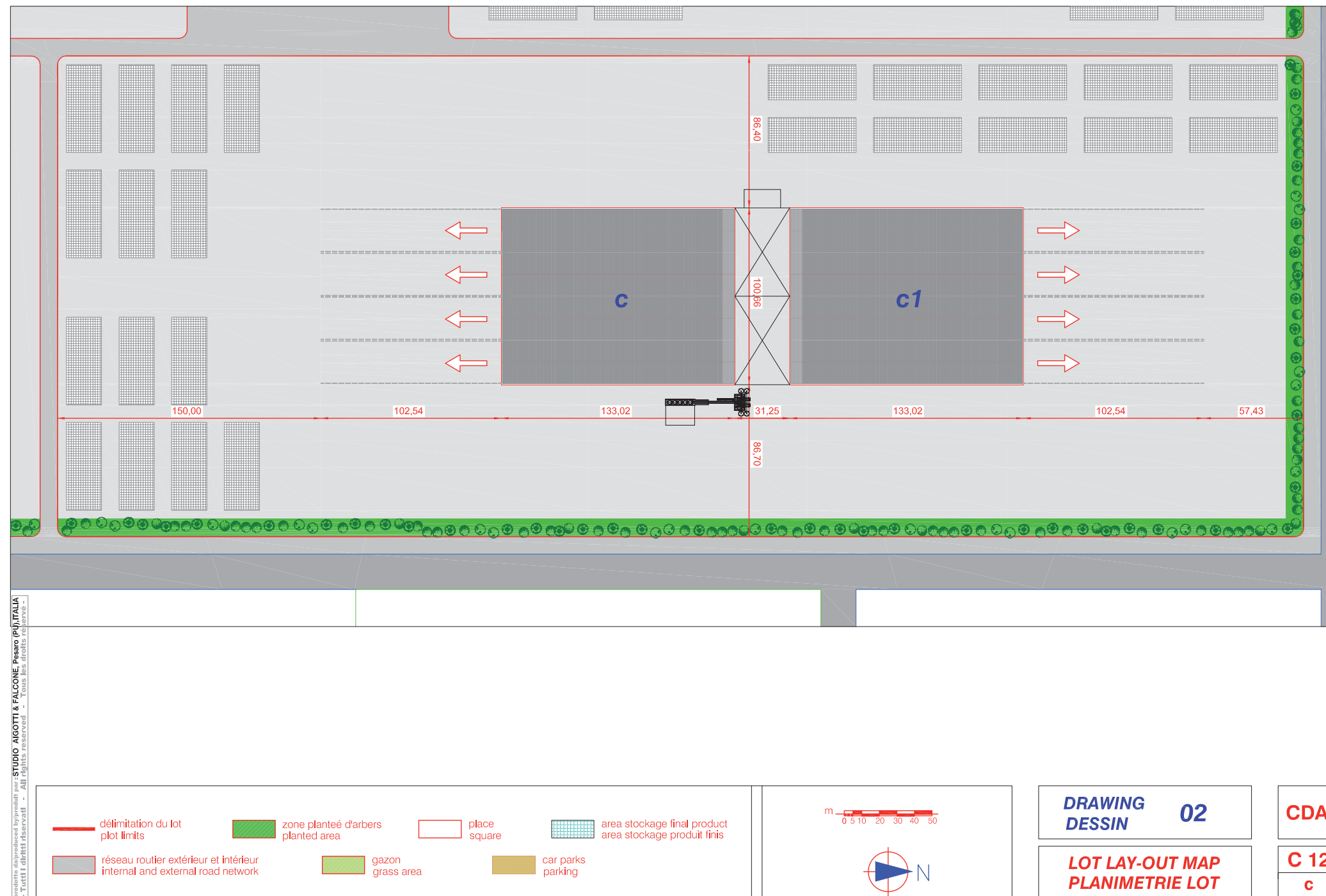
DRAWING
DESSIN **08b**

CDA

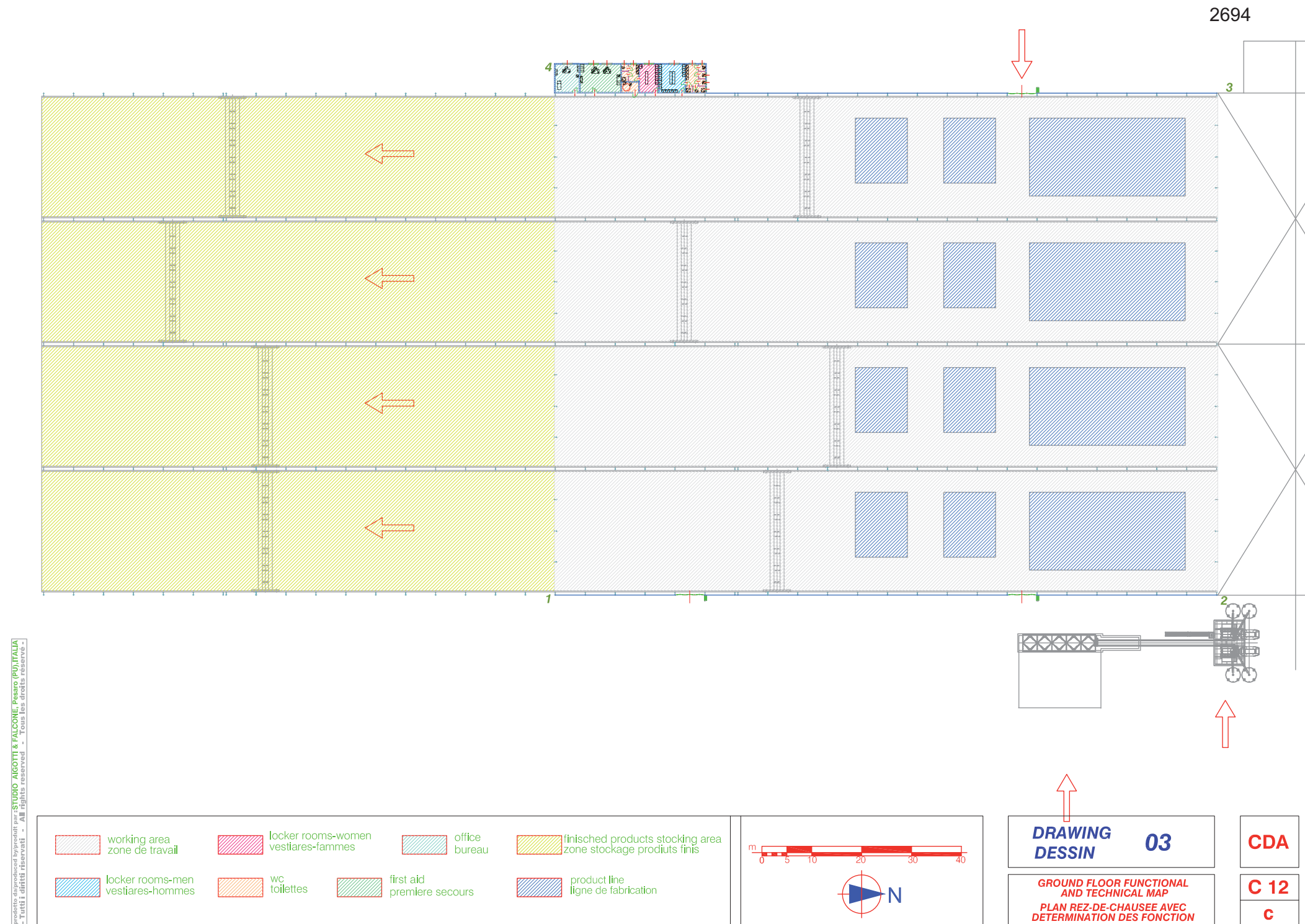
SECTIONS
ELEVATIONS

C 12
c1

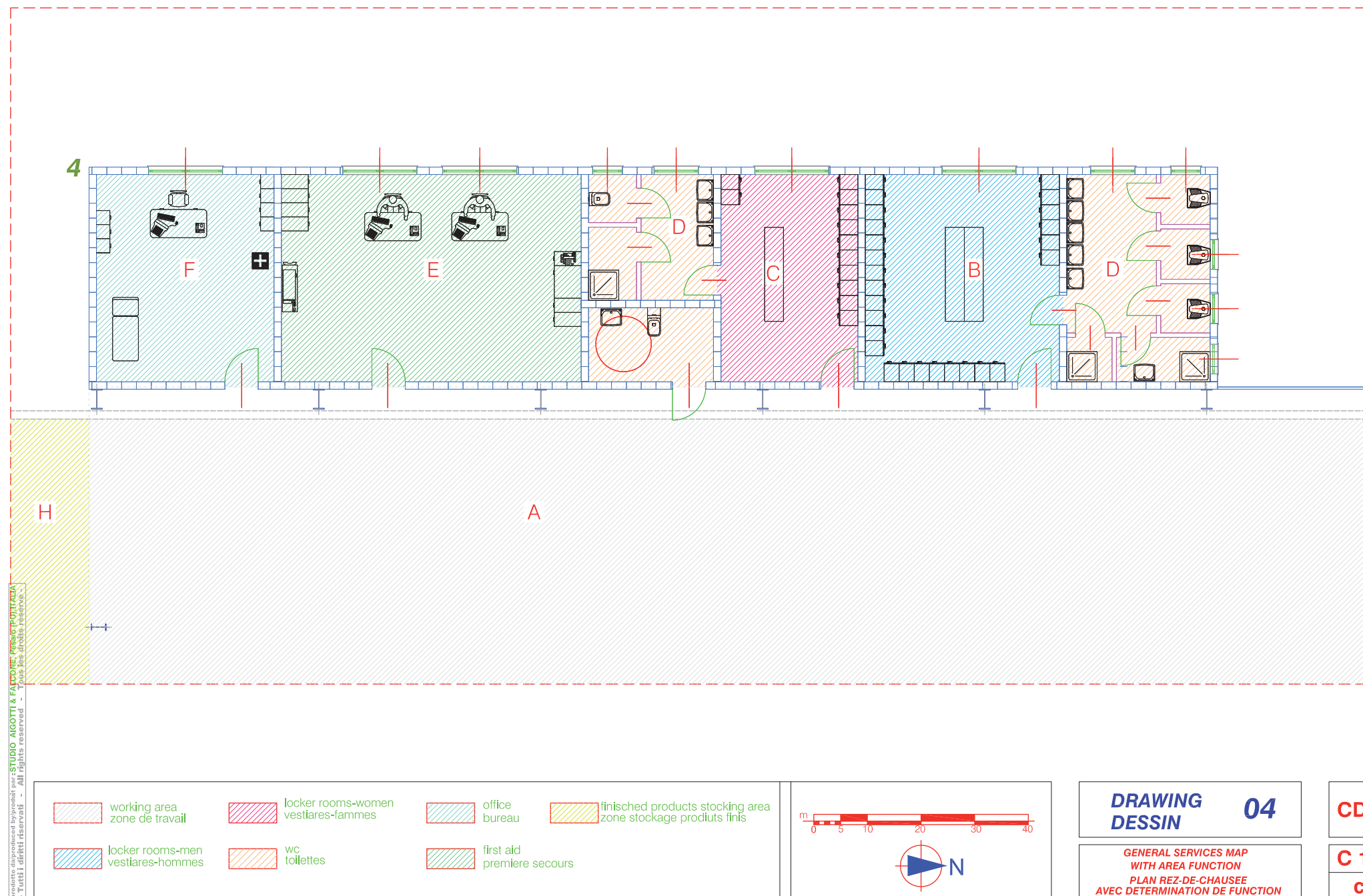






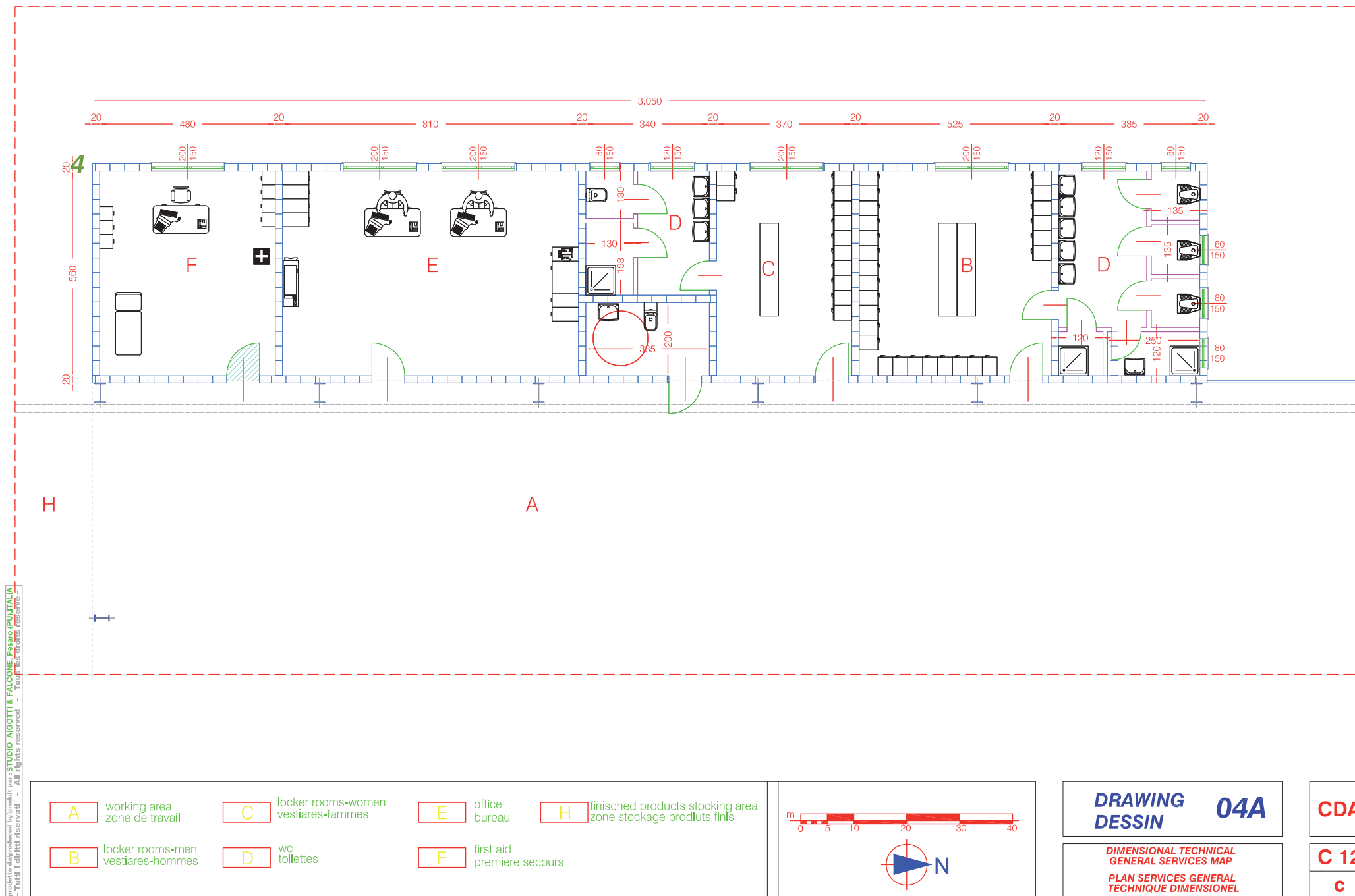


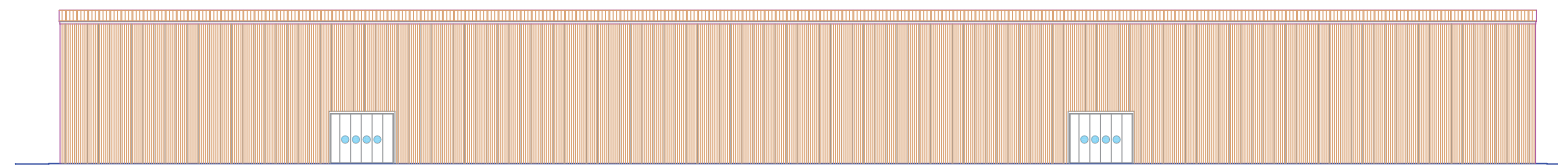
GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100



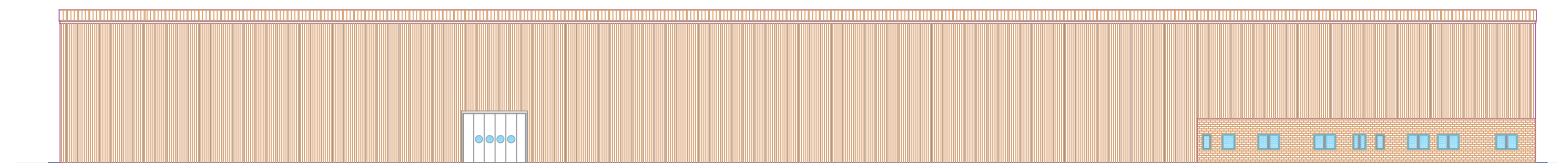
GROUND FLOOR 1:100

PLAN REZ-DE-CHAUSEE 1:100

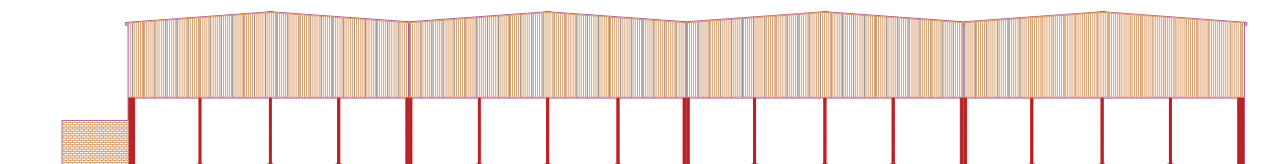




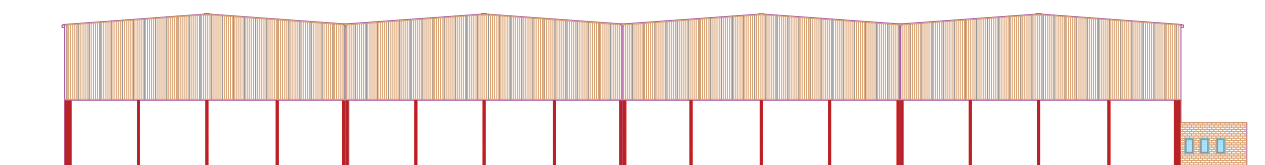
FACADE - ELEVATION 1 - 2



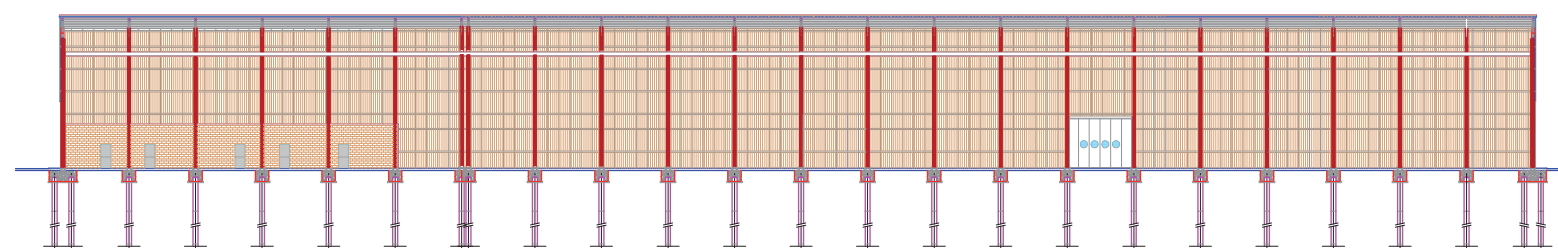
FACADE - ELEVATION 3 - 4



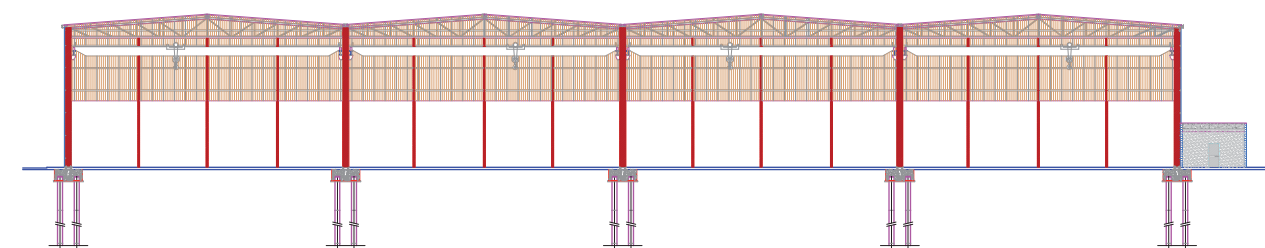
FACADE - ELEVATION 1 - 4 1 : 500



FACADE - ELEVATION 2 - 3 1 : 500



COUPE - SECTION A - A 1 : 500



COUPE - SECTION B - B 1 : 500

**DRAWING
DESSIN** 06

**COUPES-FACADES
SECTIONS-ELEVATIONS**

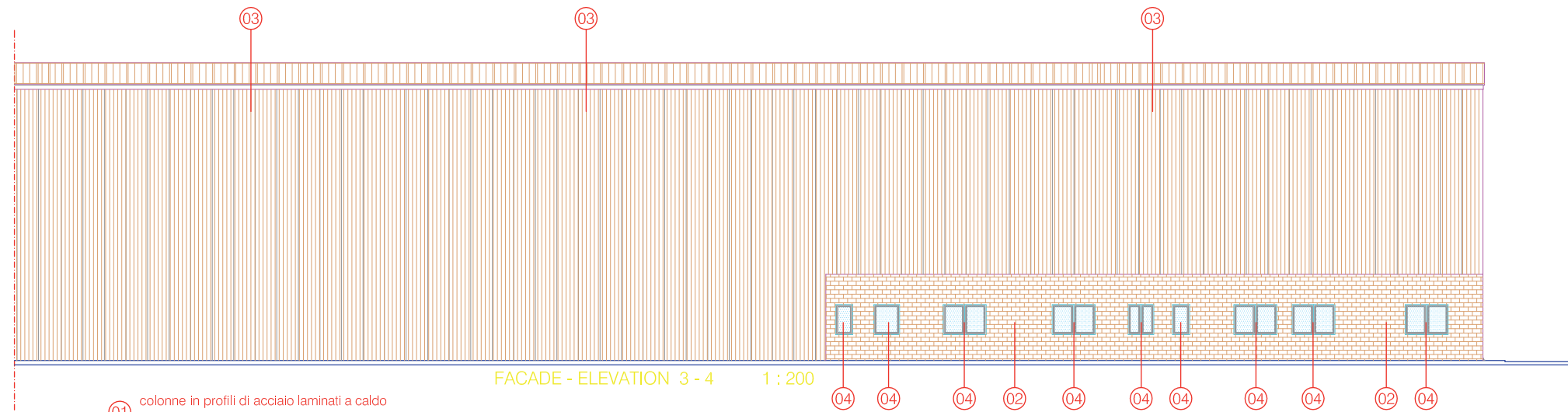
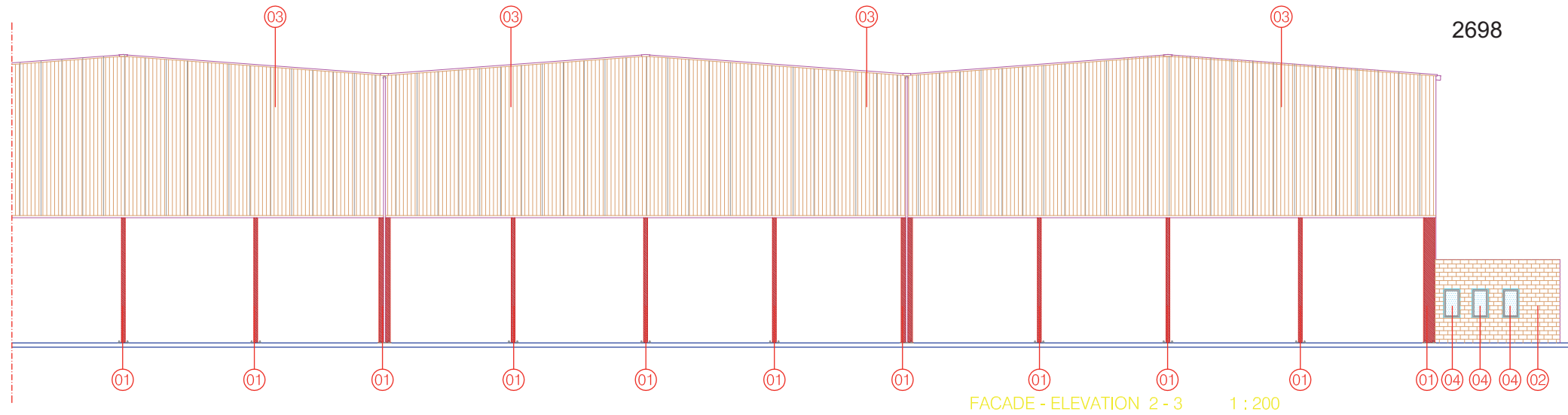
CDA

C 12

c

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- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing
fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre

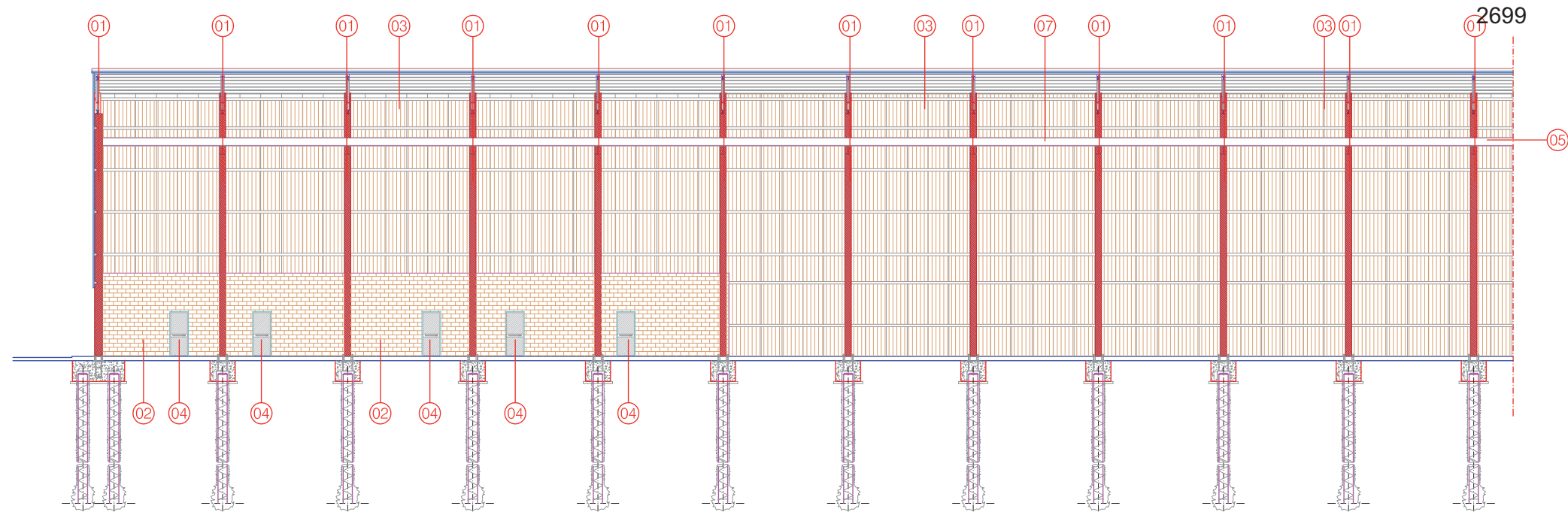
DRAWING
DESSIN **07a**

COUPES
FACADES

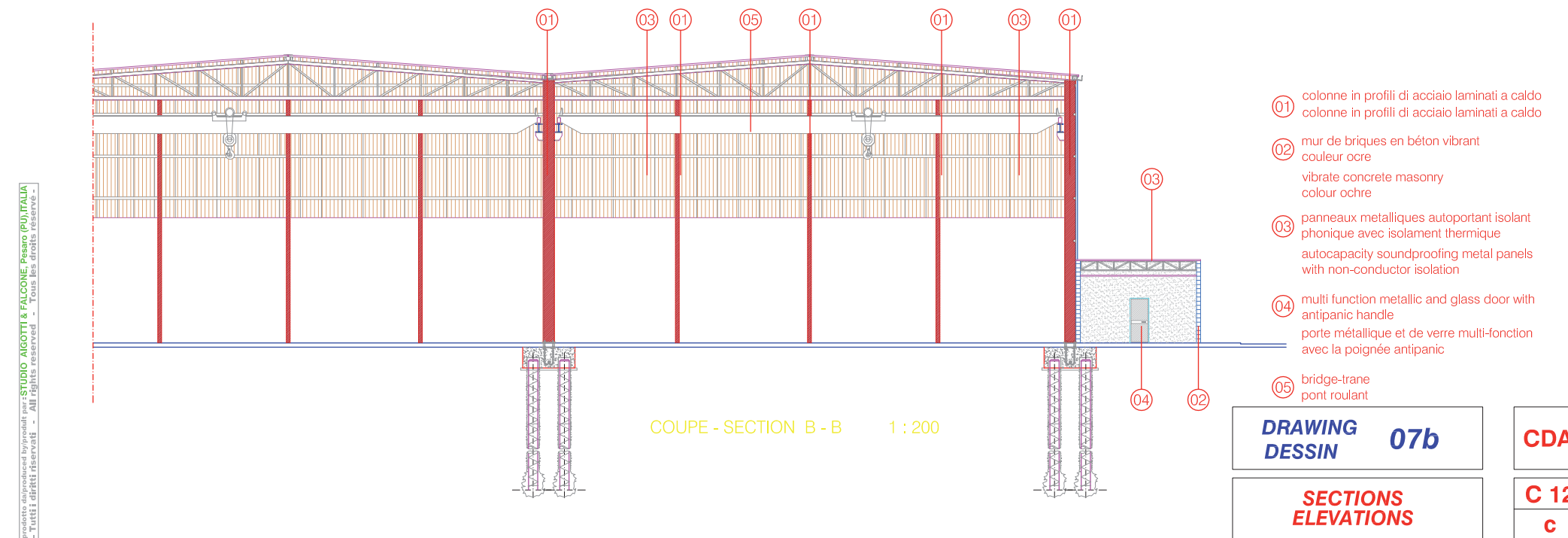
CDA

C 12
c



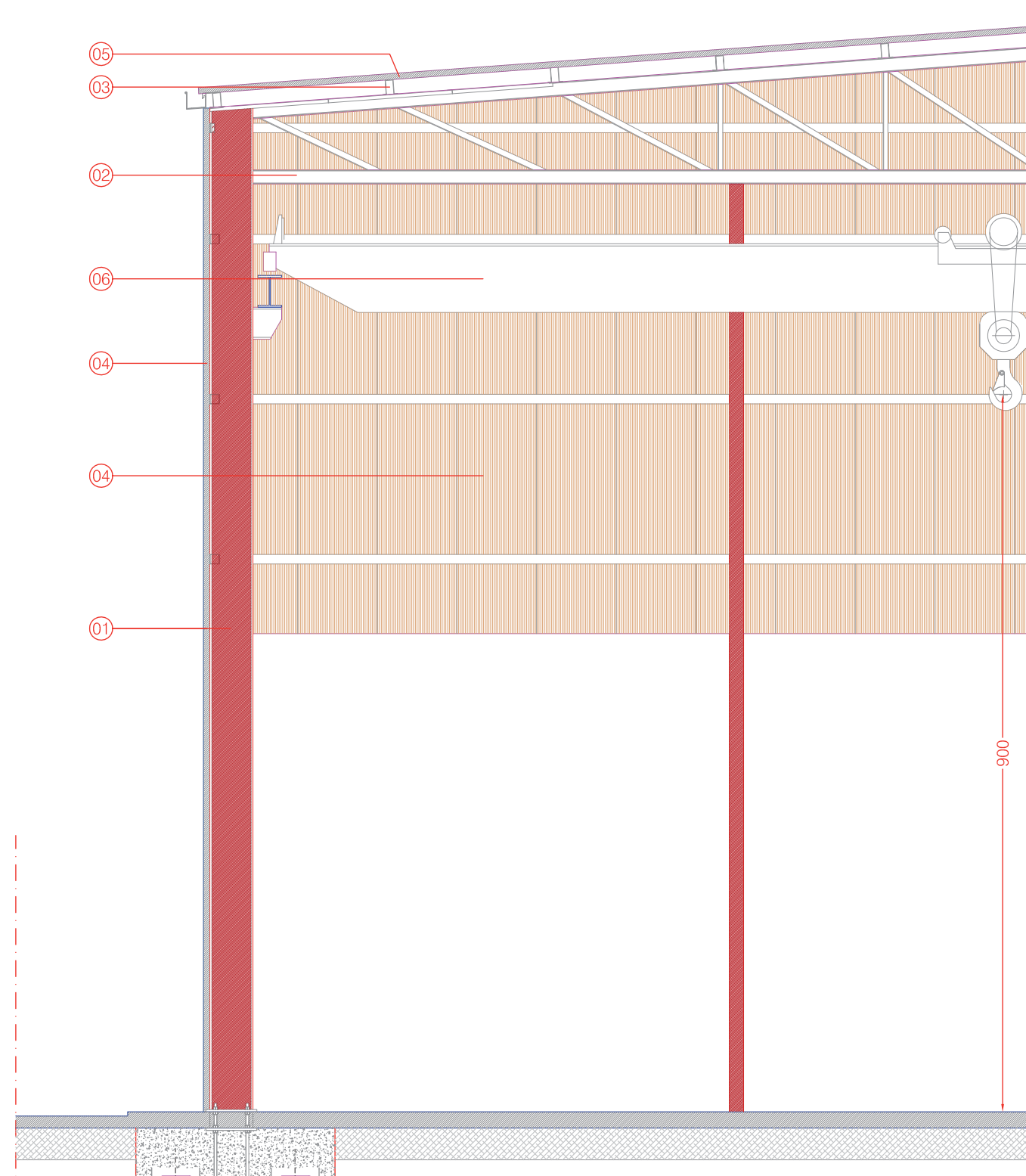


COUPE - SECTION A - A 1 : 200



COUPE - SECTION B - B 1 : 200





2700

COUPE - SECTION B - B 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 bridge-trane
pont roulant

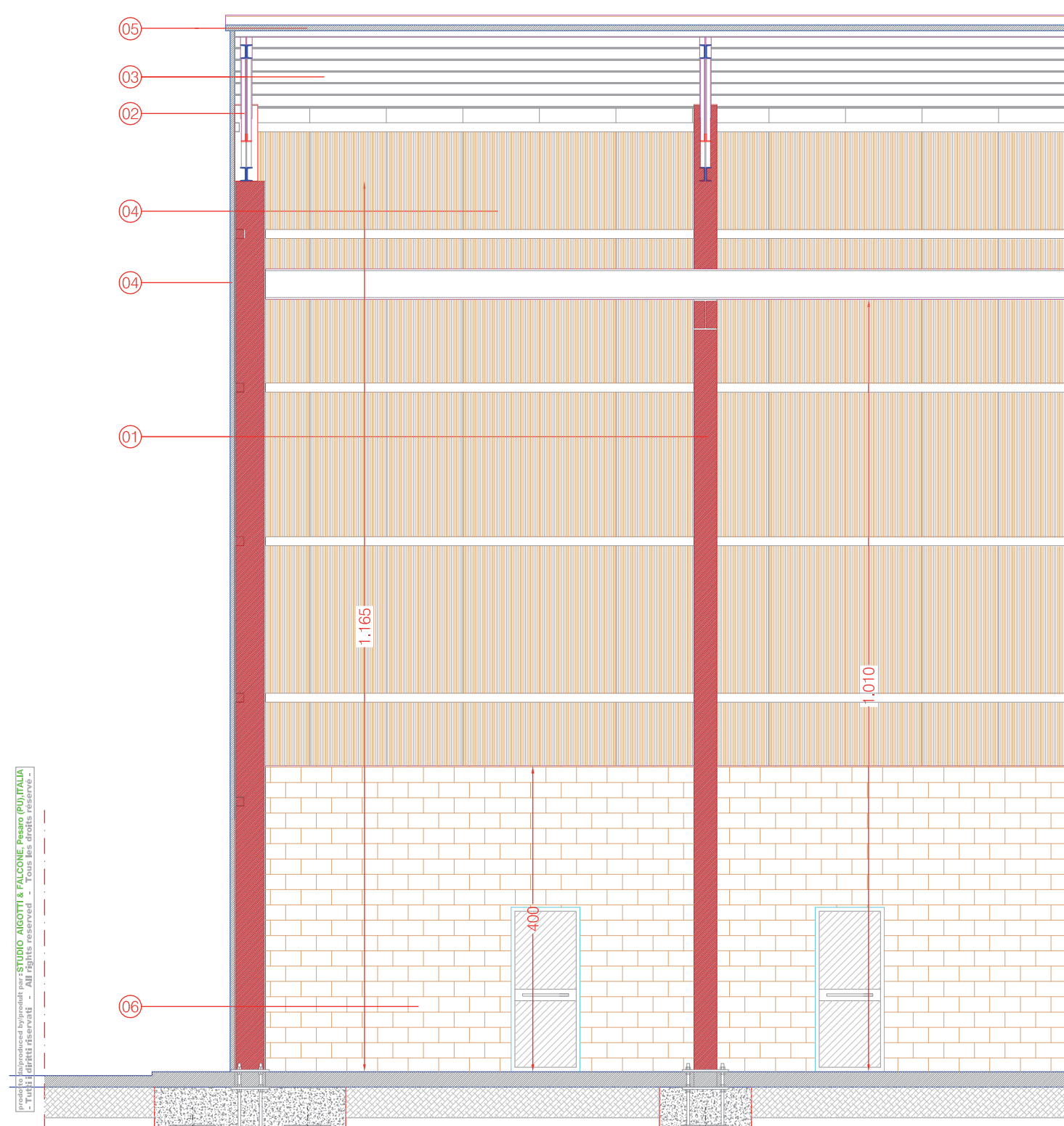
DRAWING
DESSIN 08a

SECTIONS
ELEVATIONS

CDA

C 12
c





2701

COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre

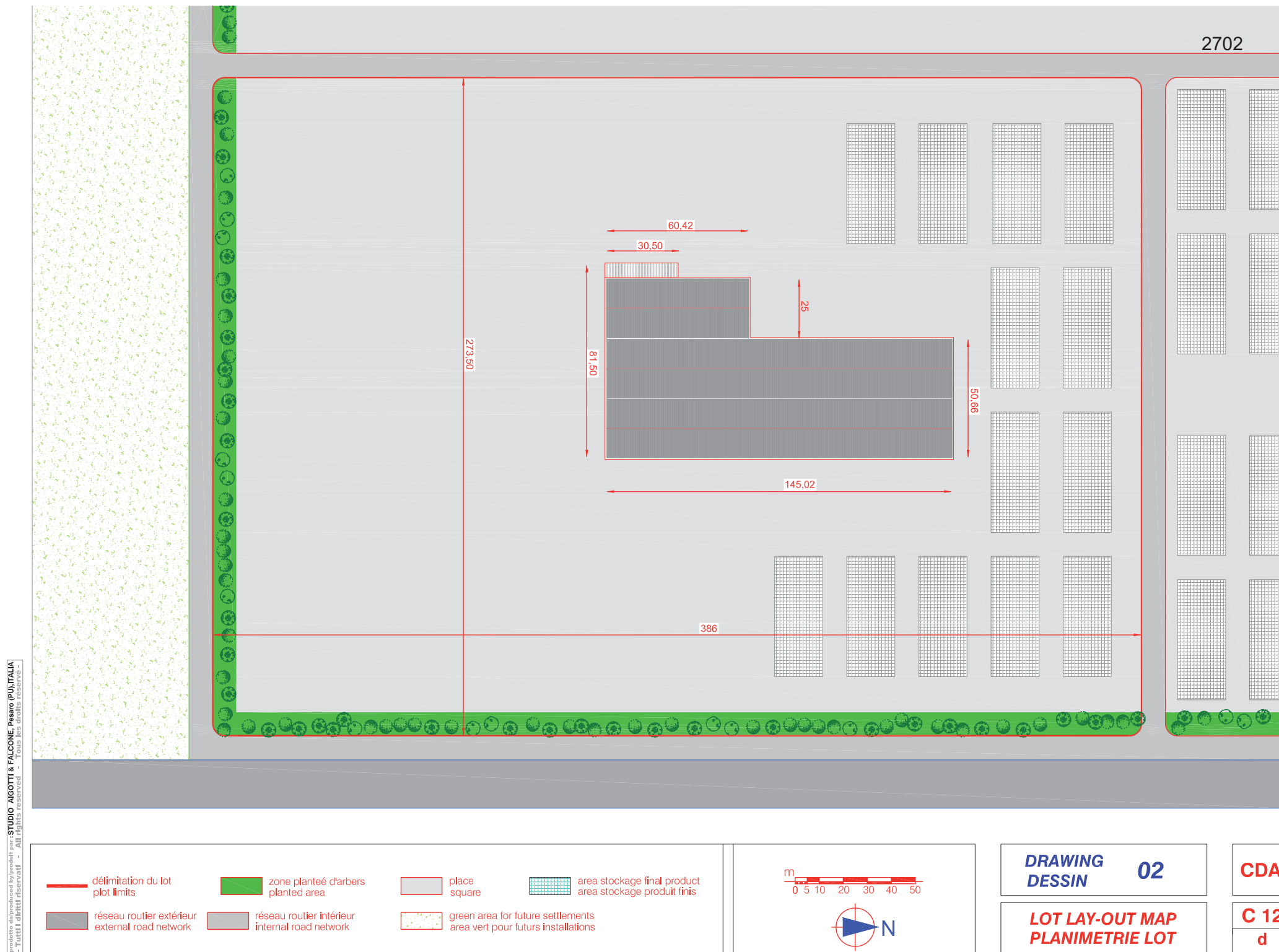
DRAWING
DESSIN **08b**

CDA

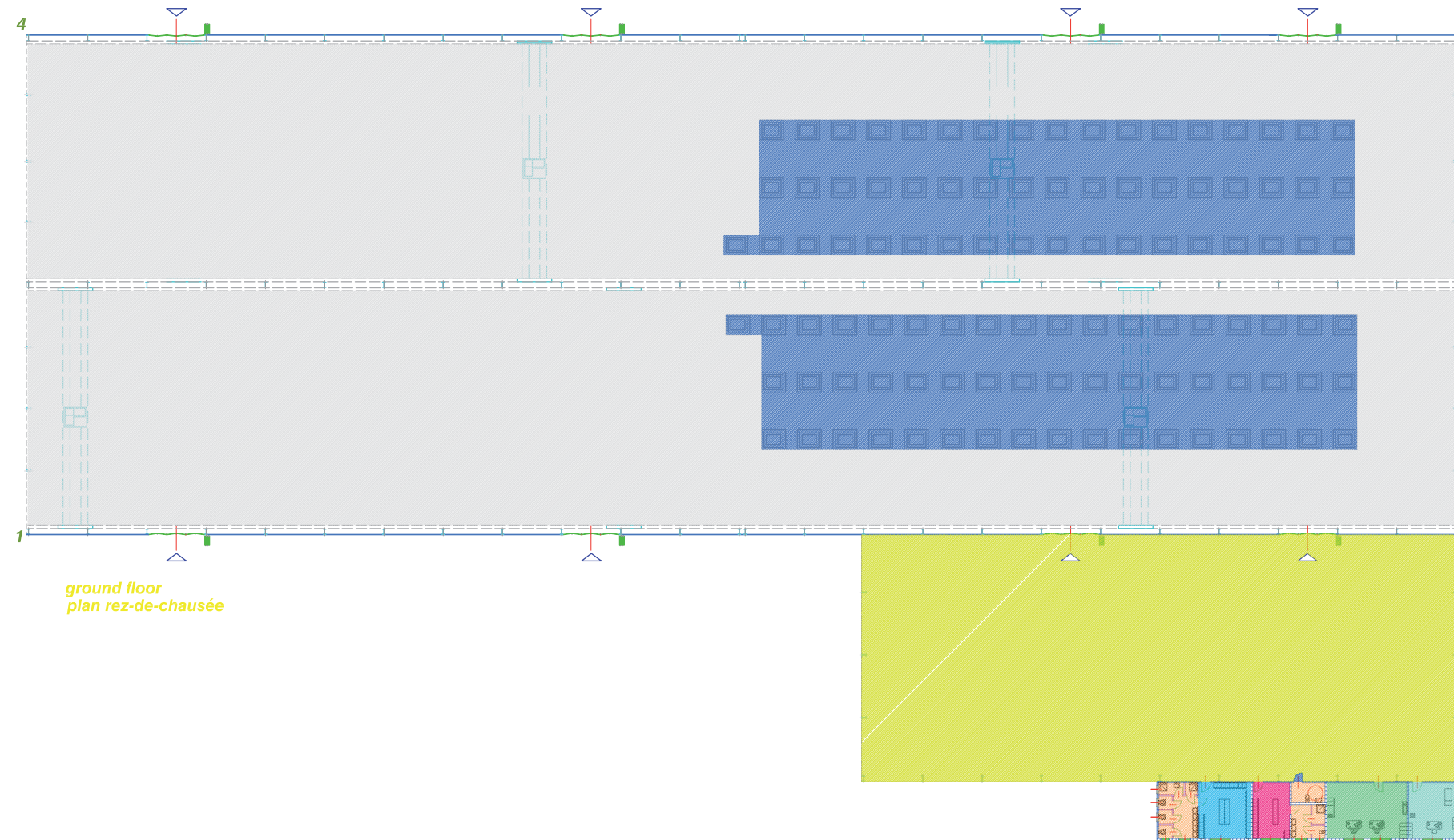
SECTIONS
ELEVATIONS

C 12
c





2703



ground floor
plan rez-de-chausée

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 wc toilettes	 locker rooms-women vestiaires-fammes	 office bureau	 product line ligne de fabrication
 locker rooms-men vestiaires-hommes	 first aid premiere secours	 working area zone de travail	 warehouse magasin

0 5 10 15 20 m



**DRAWING
DESSIN 03**

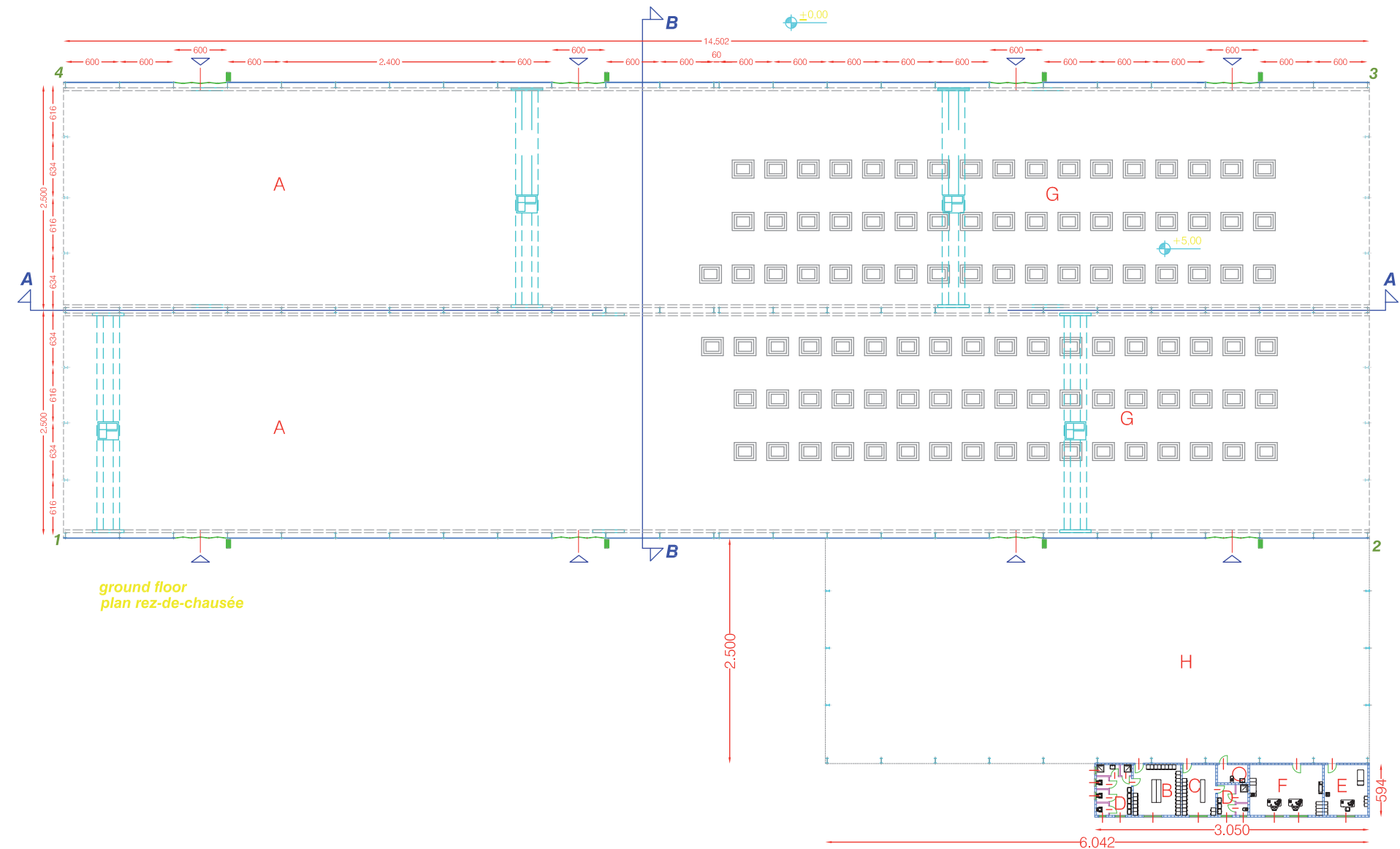
**GROUND FLOOR FUNCTIONAL
AND TECHNICAL MAP
PLAN REZ-DE-CHAUSEE AVEC
DETERMINATION DES FONCTION**

CDA

C 12

d





prodotto e distribuito per conto di STUDIO AIGOTTI & FALCONE - Pesaro (PU) ITALIA
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A working area zone de travail	C locker rooms-women vestiaires-fammes	E office bureau	G product line ligne de fabrication
B locker rooms-men vestiaires-hommes	D wc toilettes	F first aid premiere secours	H warehouse magasin



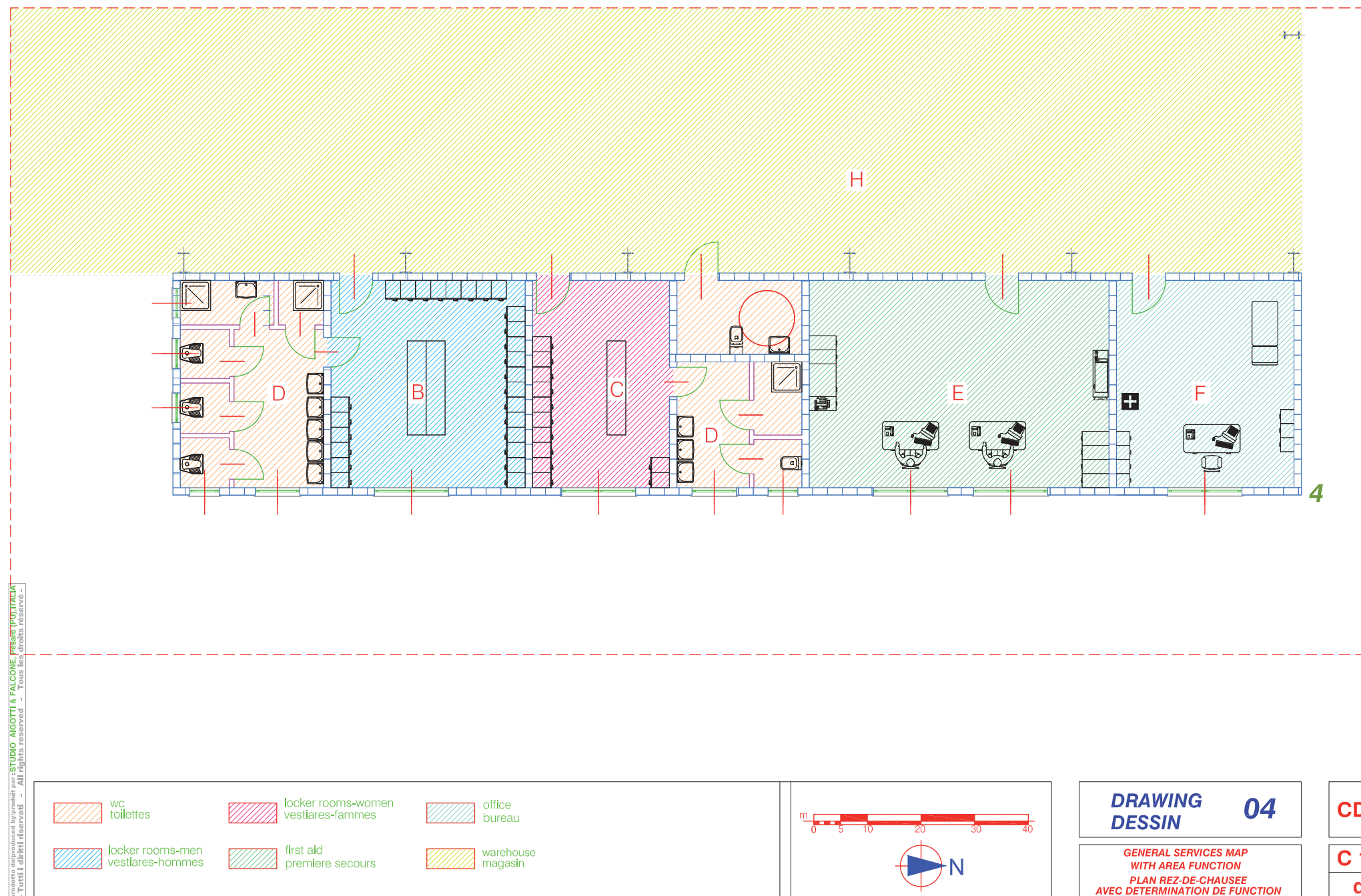

DRAWING 03A
DESSIN

GROUND FLOOR FUNCTIONAL AND TECHNICAL MAP
PLAN REZ-DE-CHAUSEE AVEC DETERMINATION DES FONCTION

CDA
C 12
d

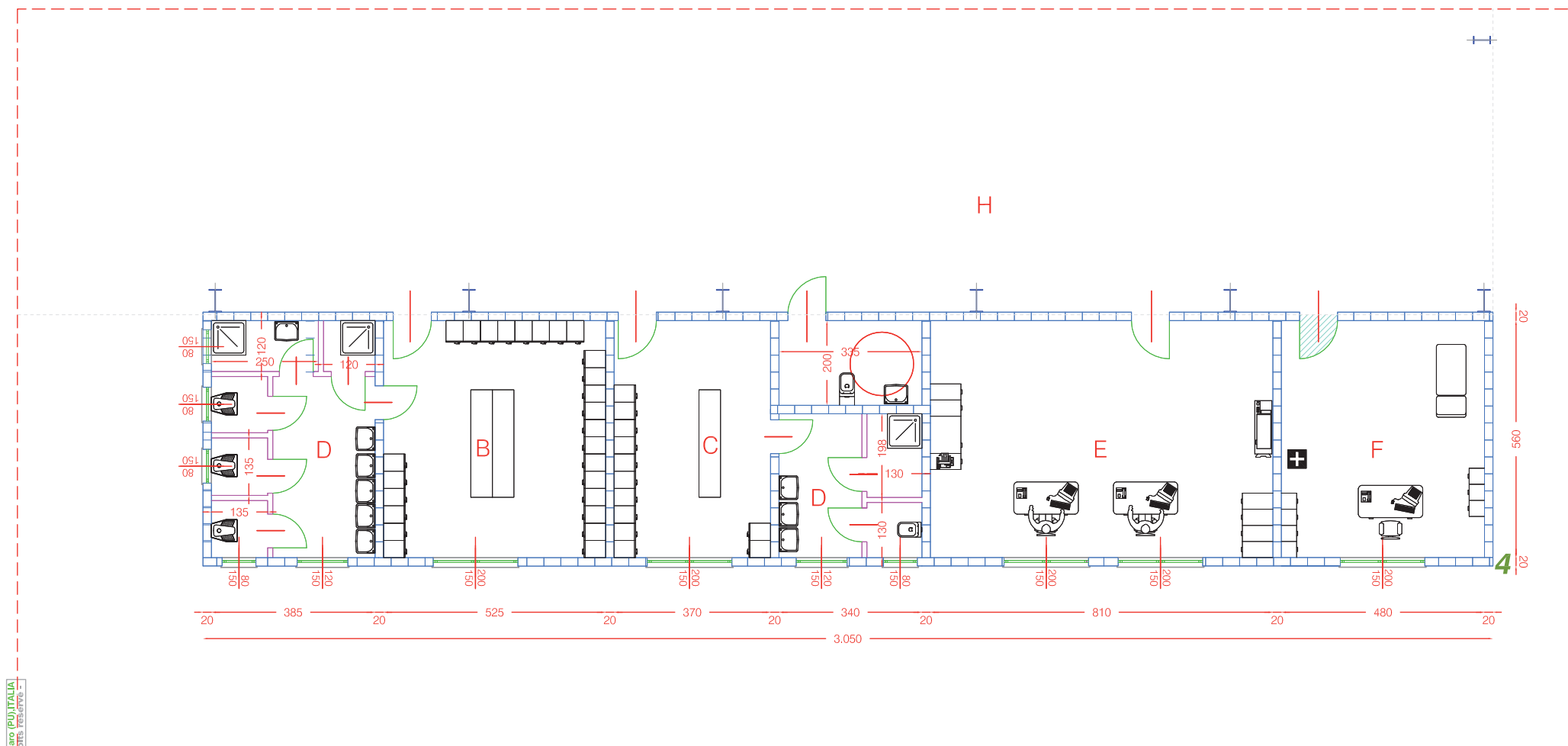


GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100



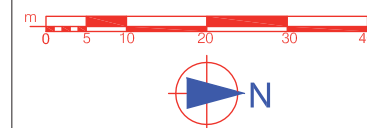
GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100

2706



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- | | | |
|--|--|-------------------------------|
| D wc
toilettes | C locker rooms-women
vestiaires-femmes | E office
bureau |
| B locker rooms-men
vestiaires-hommes | F first aid
premiere secours | H warehouse
magasin |



DRAWING
DESSIN **04A**

DIMENSIONAL TECHNICAL
GENERAL SERVICES MAP
PLAN SERVICES GENERAL
TECHNIQUE DIMENSIONEL

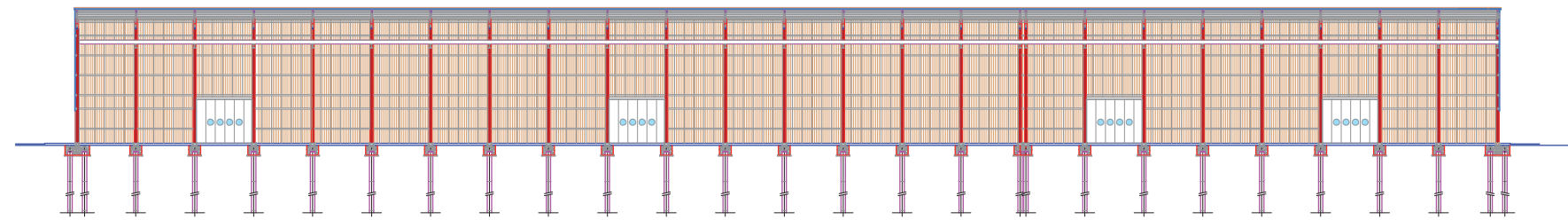
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C 12

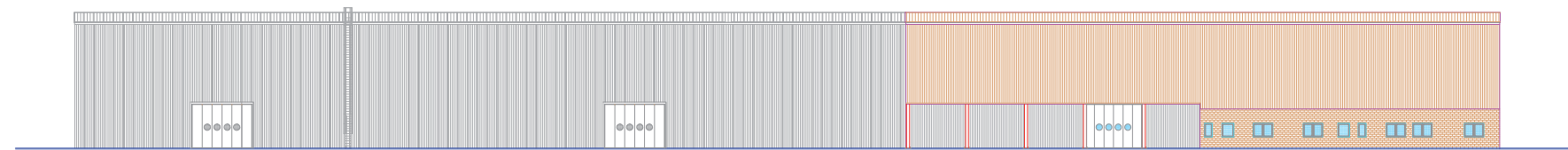
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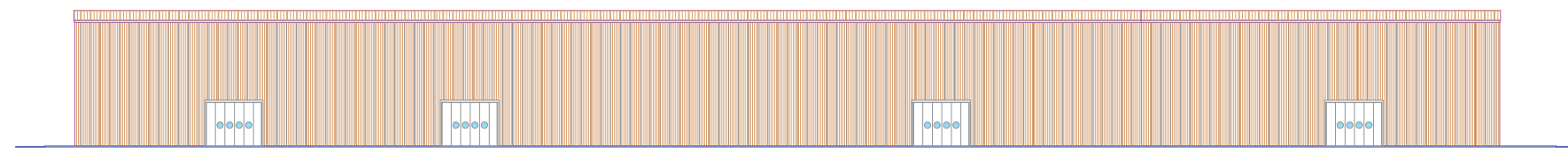
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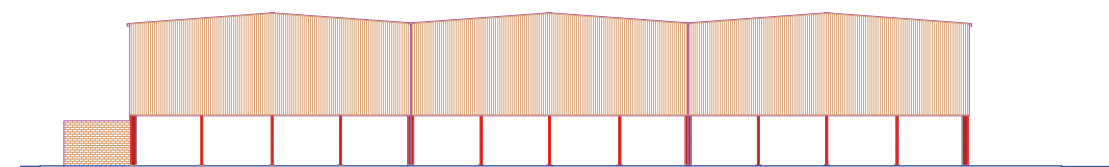
COUPE - SECTION A - A



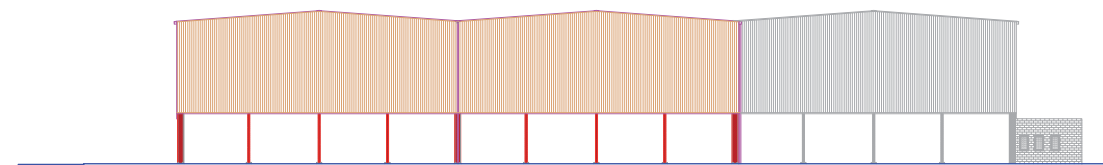
FACADE - ELEVATION 1 - 2



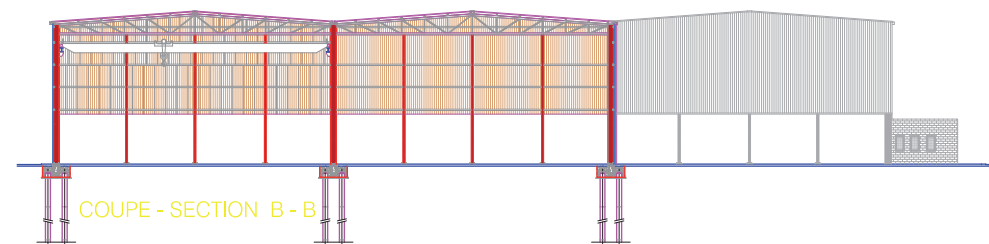
FACADE - ELEVATION 3 - 4



FACADE - ELEVATION 2 - 3



FACADE - ELEVATION 4 - 1



COUPE - SECTION B - B

scale - échelle 1:500

**DRAWING
DESSIN** 06

**COUPES-FACADES
SECTIONS-ELEVATIONS**

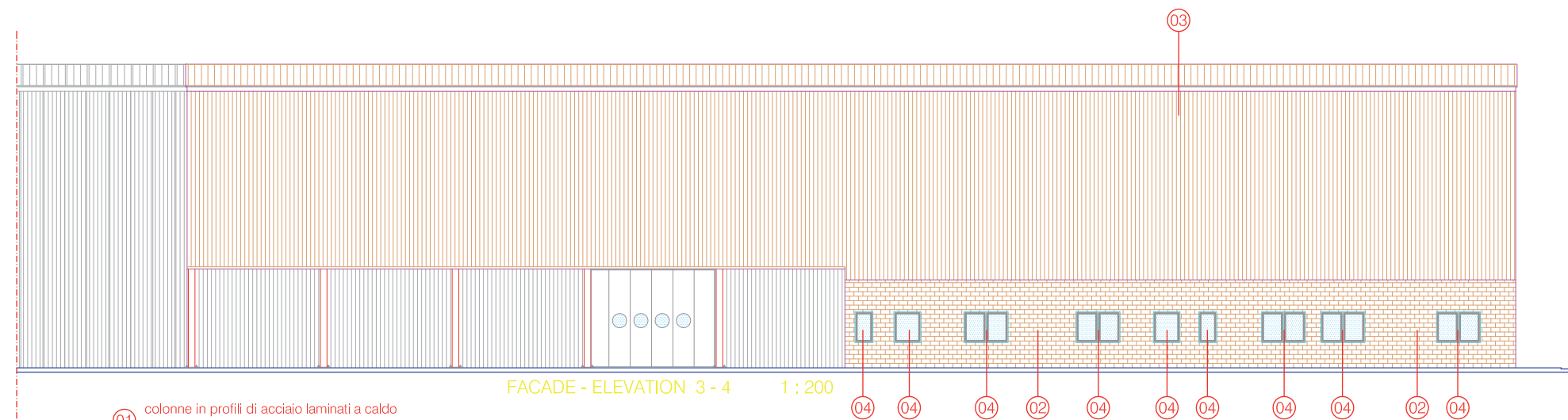
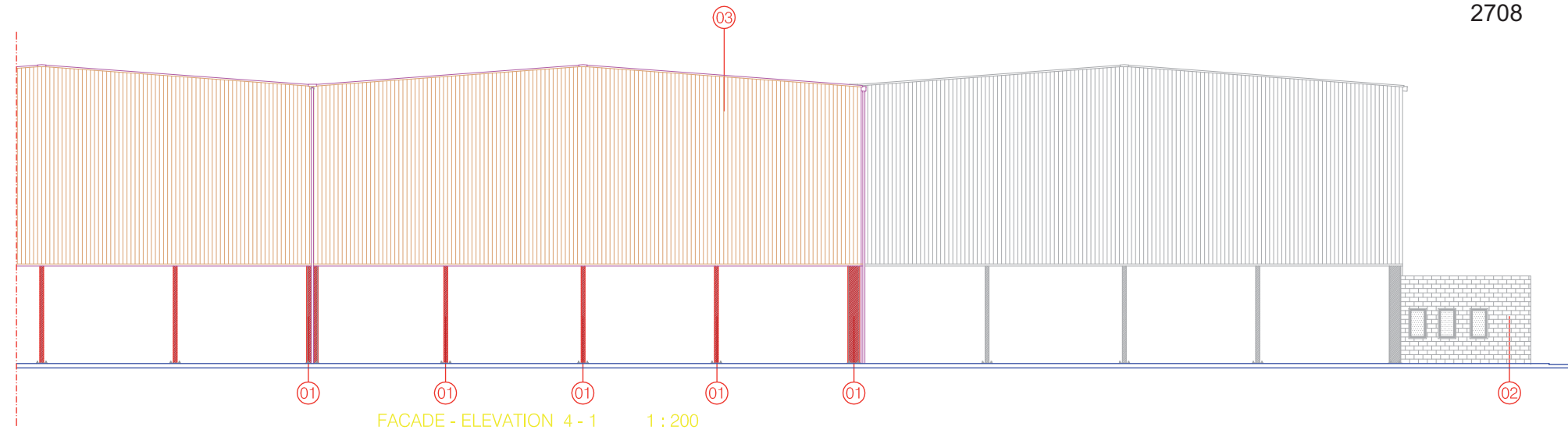
CDA

**C 01
d**

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2708



- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing
fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre

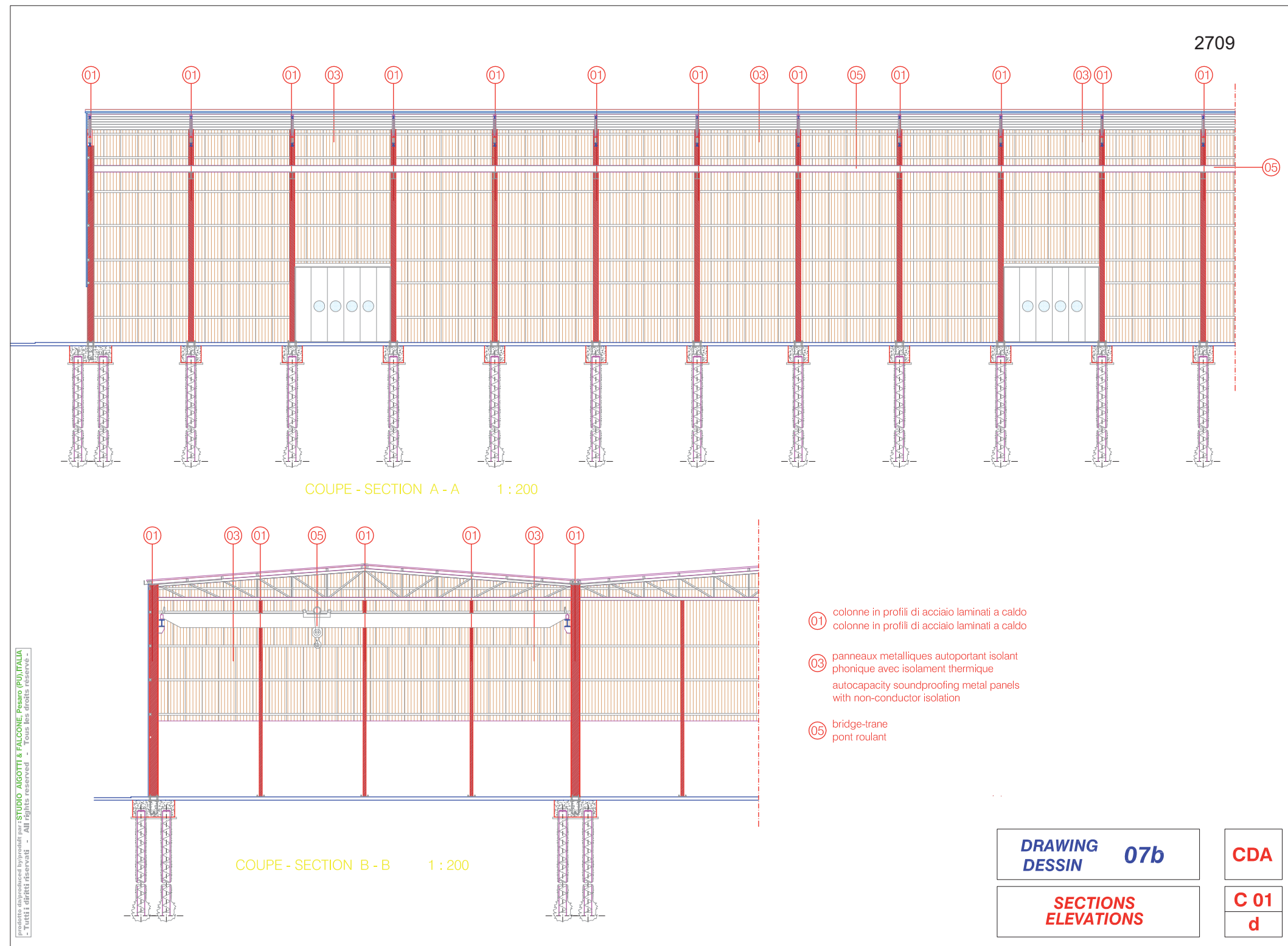
DRAWING
DESSIN **07a**

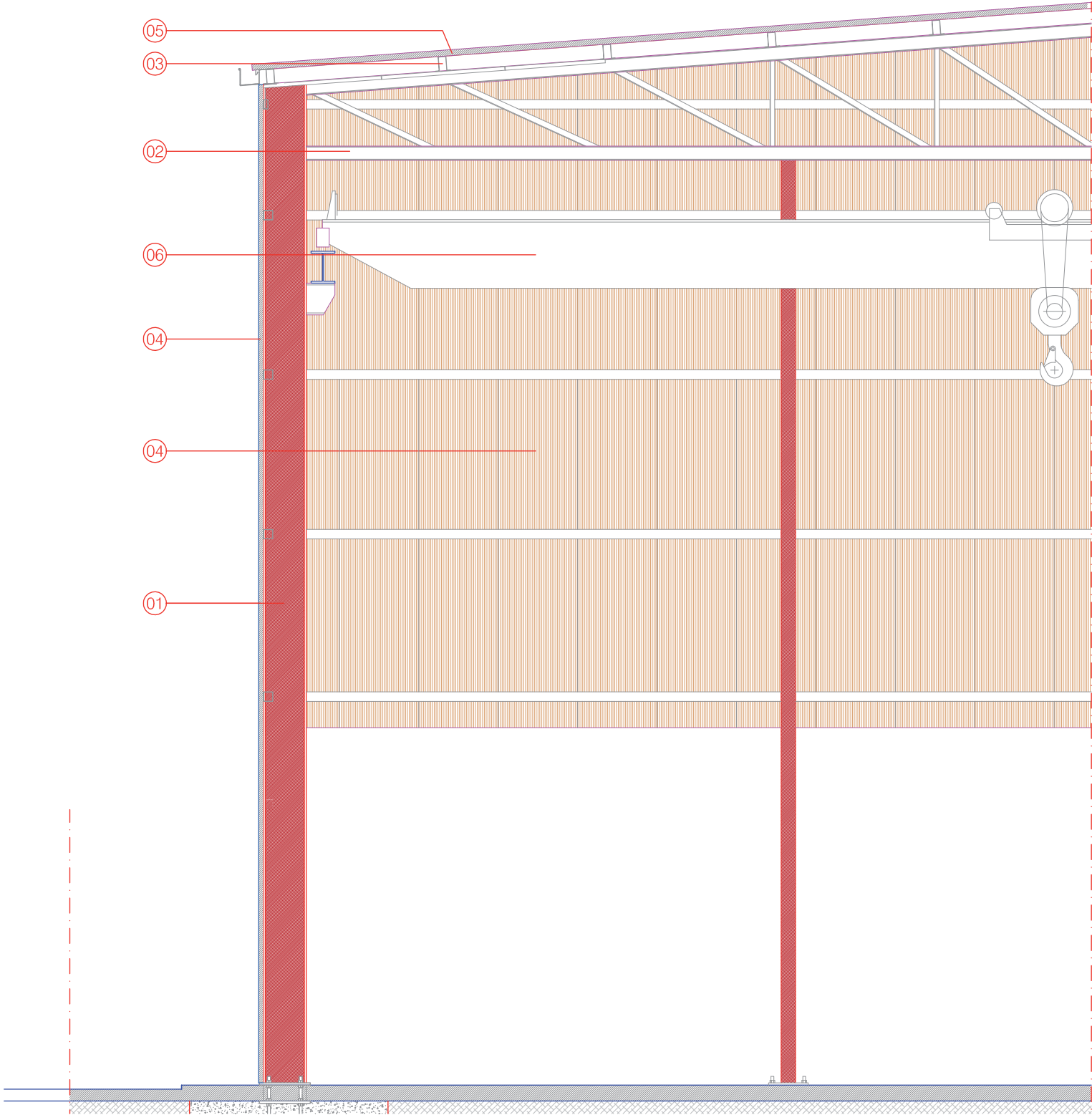
COUPES
FACADES

CDA

C 01
d







2710

COUPE - SECTION B - B 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a
travi principali di falda in profili di acciaio laminati a
- 03 arcarecci in profili ad "omega " in acciaio
arcarecci in profili ad "omega " in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- 06 bridge-trane
pont roulant

DRAWING
DESSIN

08a

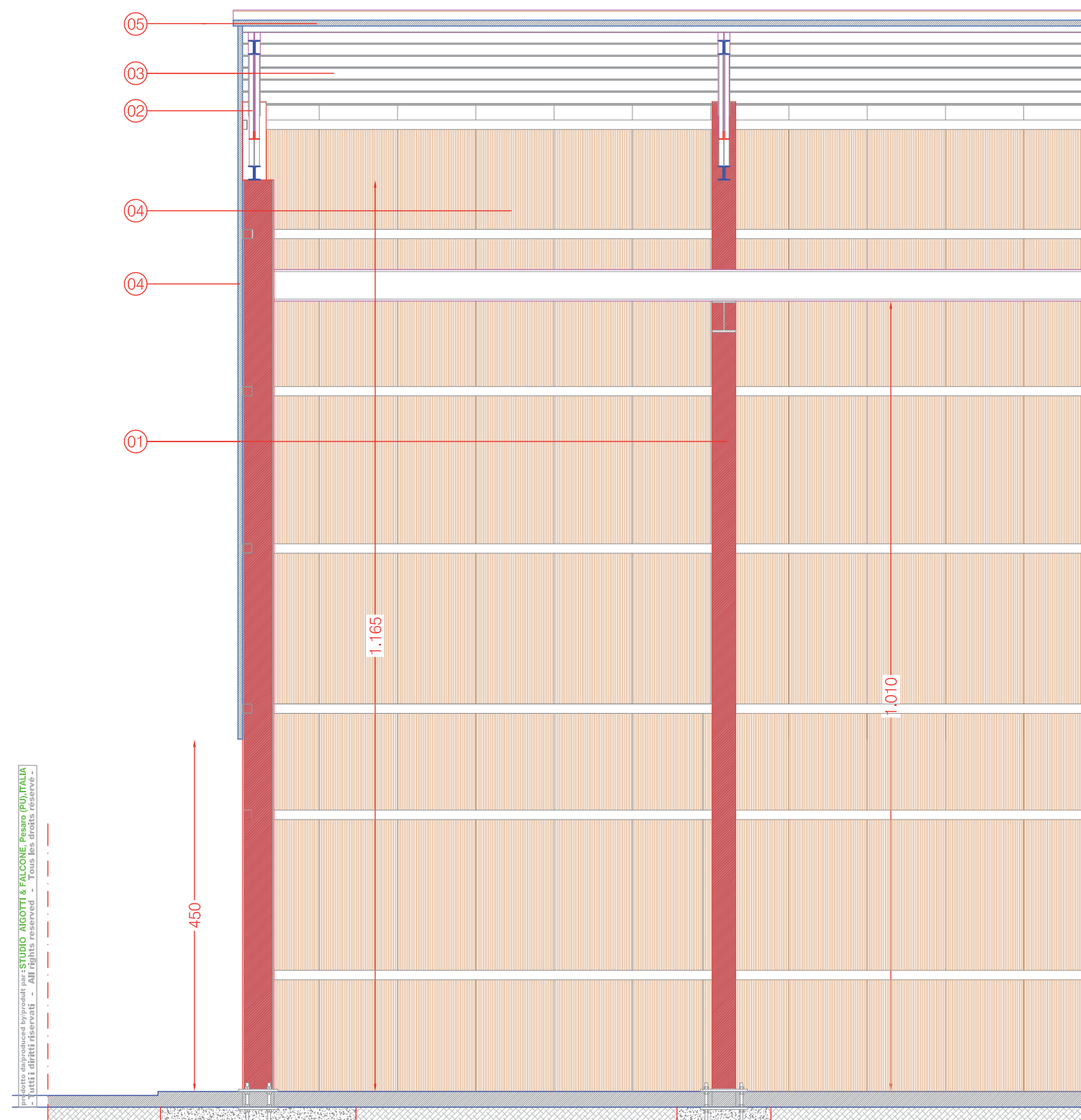
SECTIONS
ELEVATIONS

CDA

C 01
d

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2711

COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

DRAWING
DESSIN 08b

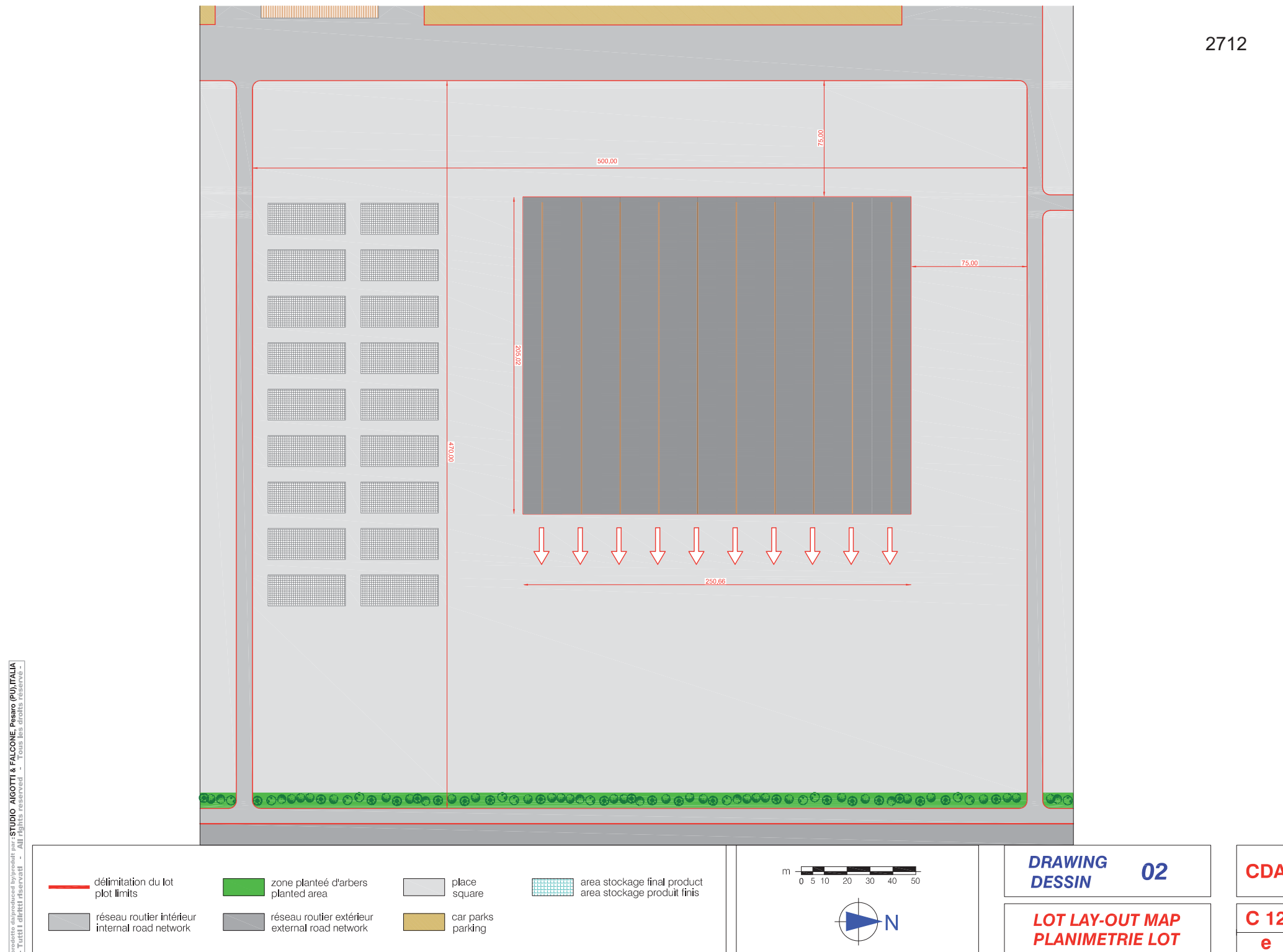
SECTIONS
ELEVATIONS

CDA

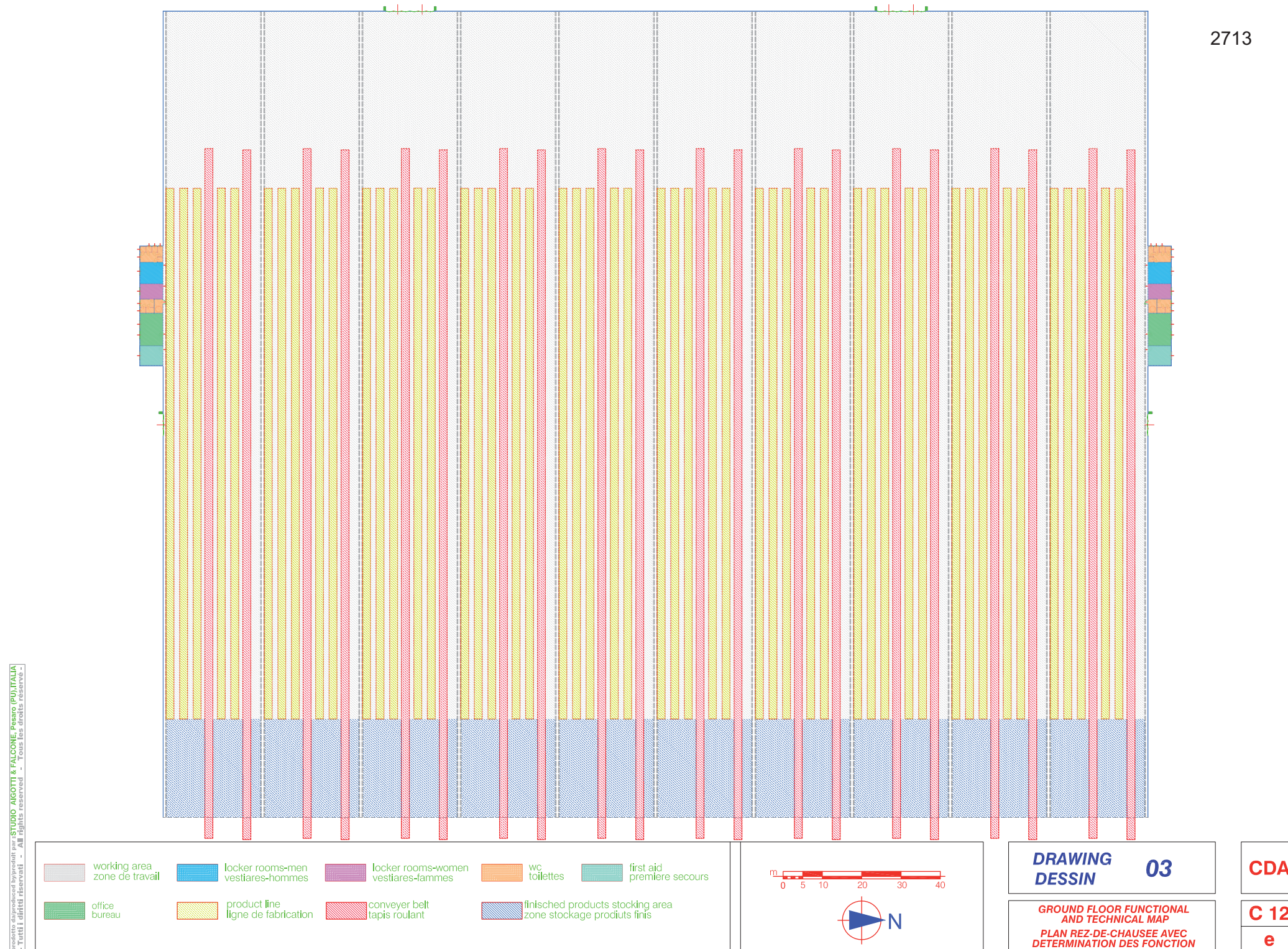
C 01
d



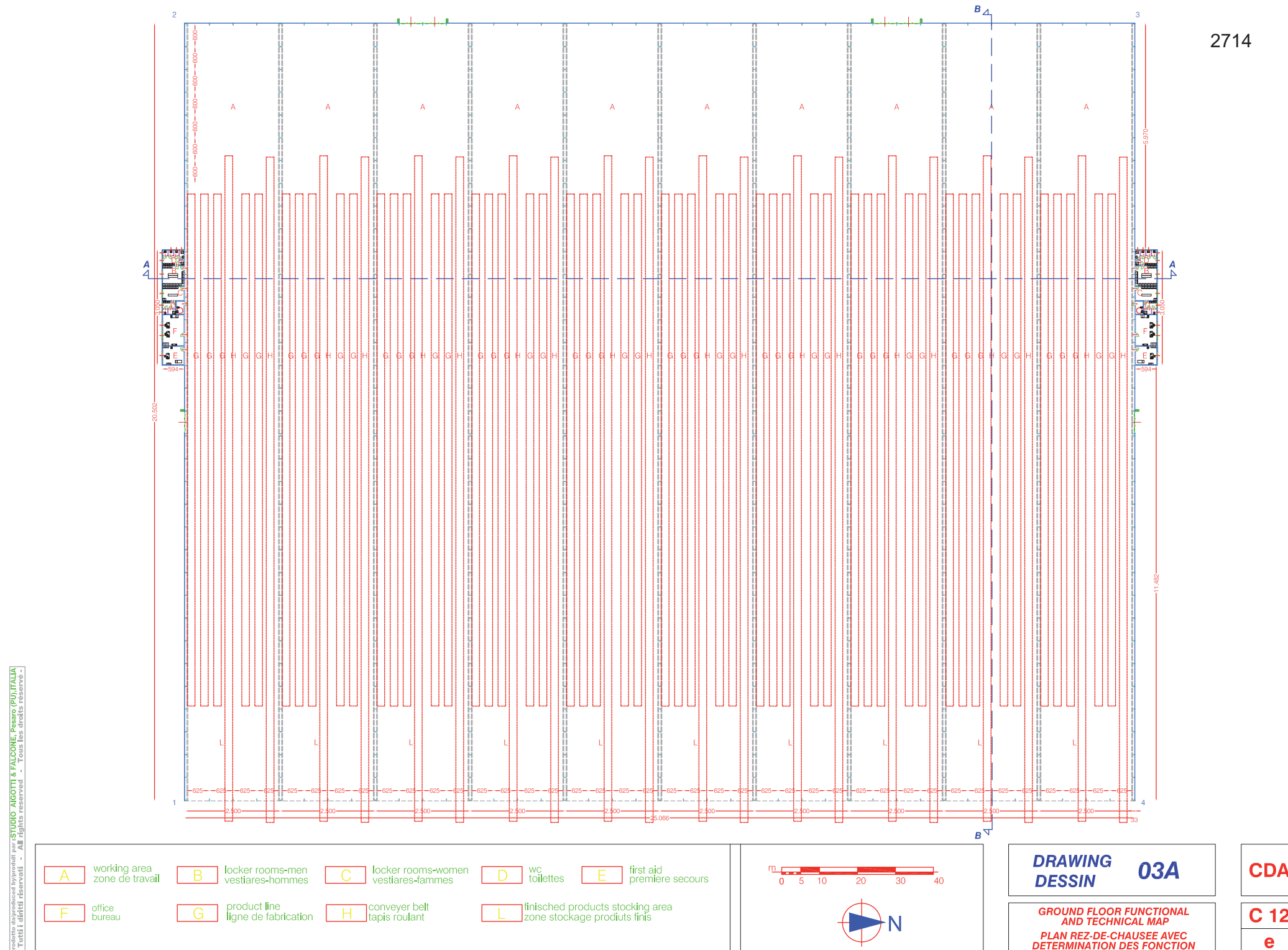
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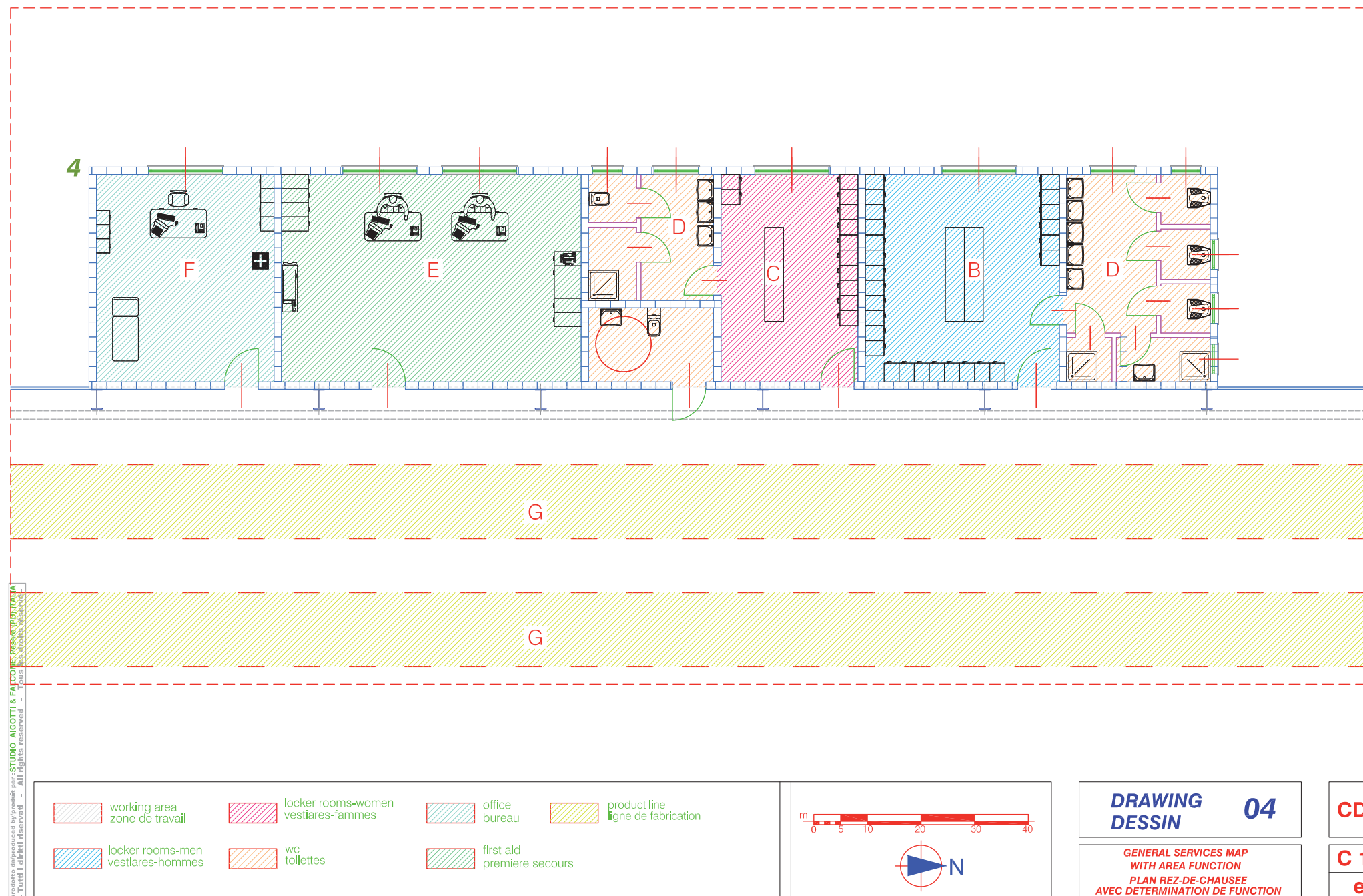
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2714

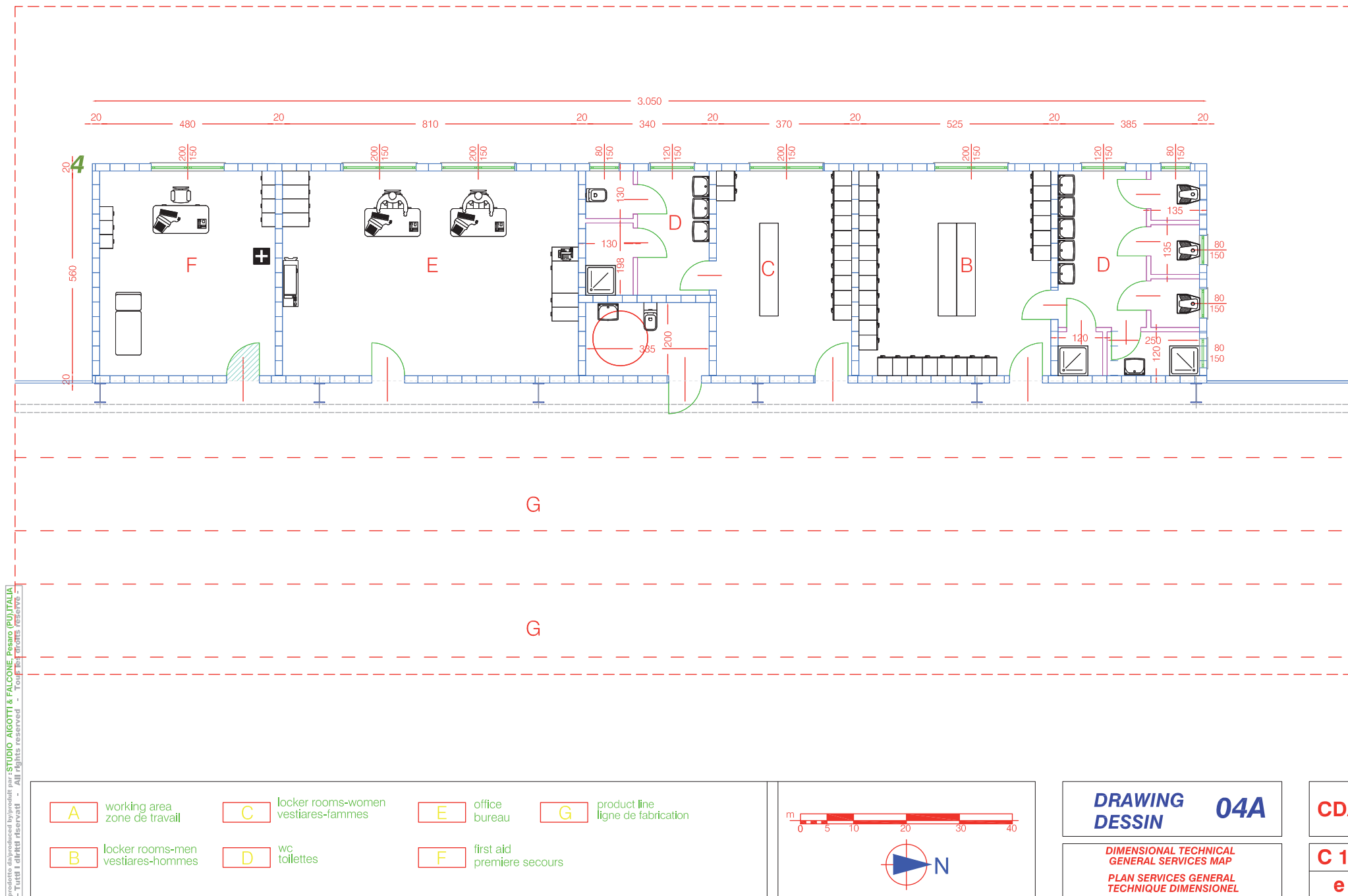


GROUND FLOOR 1:100
PLAN REZ-DE-CHAUSEE 1:100

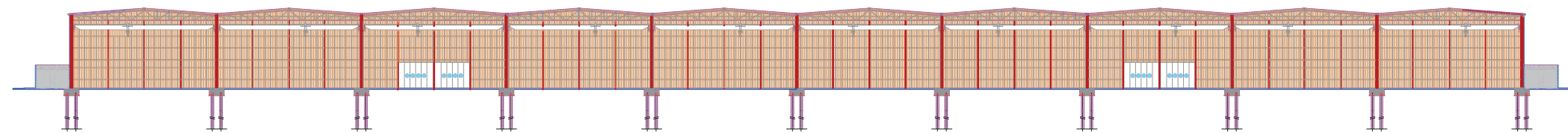


GROUND FLOOR 1:100

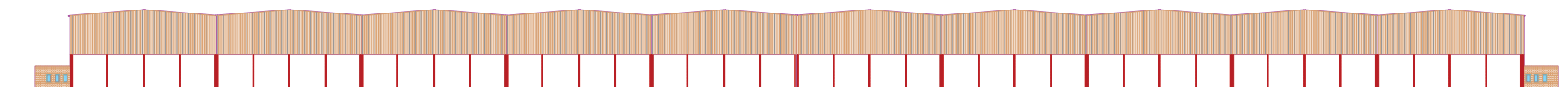
PLAN REZ-DE-CHAUSEE 1:100



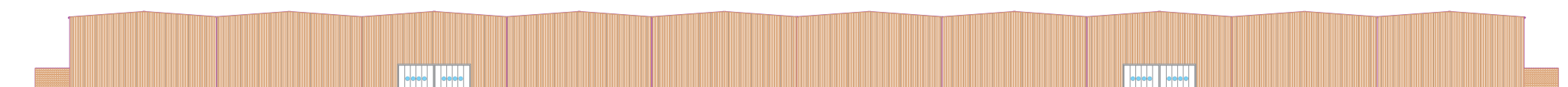
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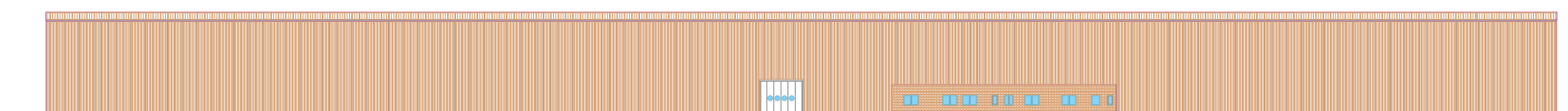
COUPE - SECTION A - A



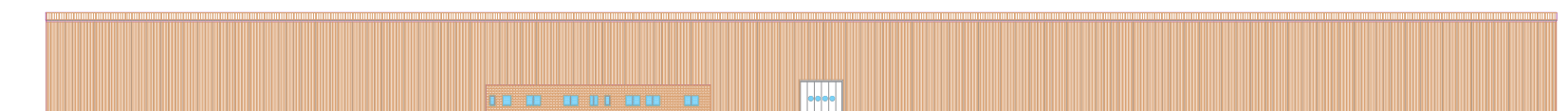
FACADE - ELEVATION 1 - 4



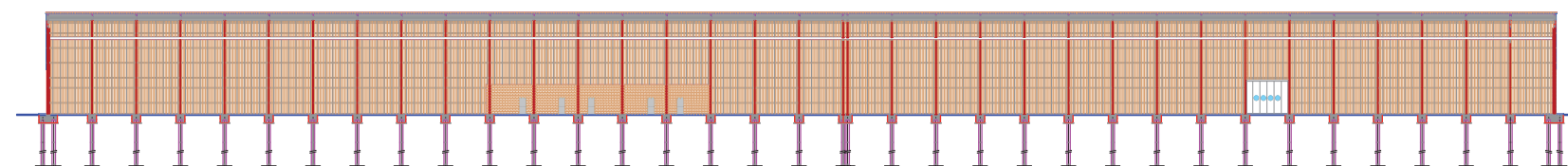
FACADE - ELEVATION 2 - 3



FACADE - ELEVATION 3 - 4

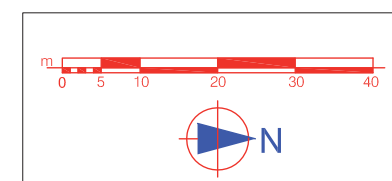


FACADE - ELEVATION 1 - 2



COUPE - SECTION B - B

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**DRAWING
DESSIN** **06**

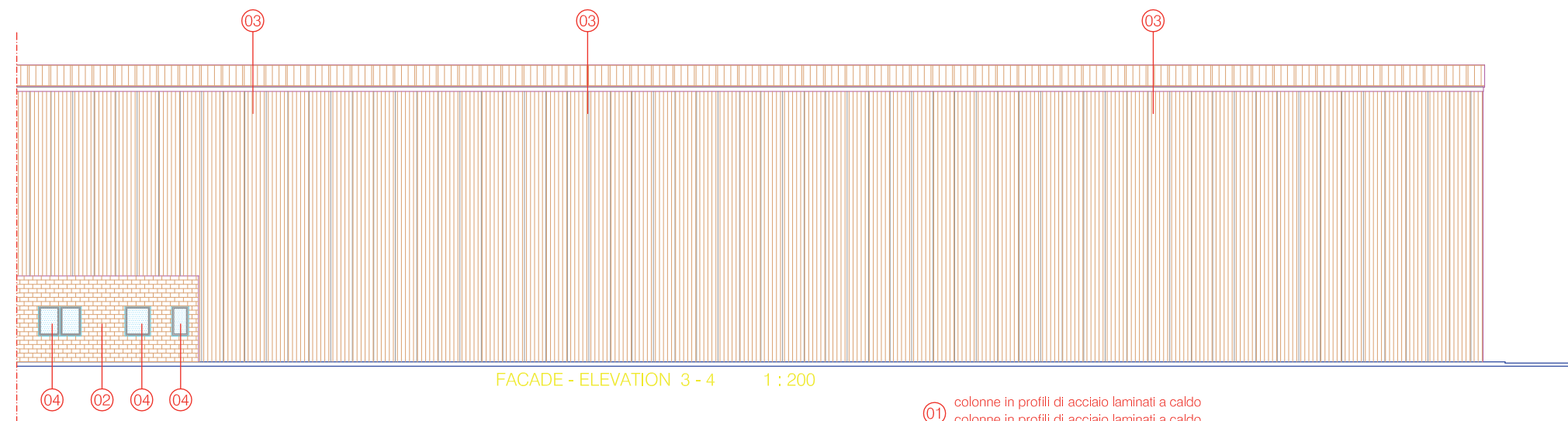
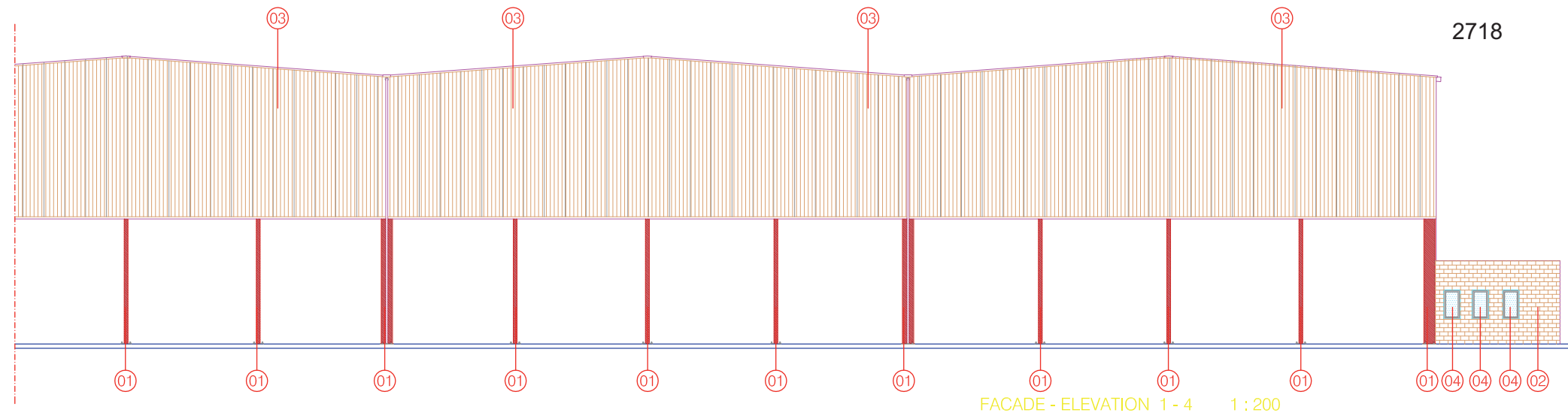
**COUPES-FACADES
SECTIONS-ELEVATIONS**

CDA

C 12

e





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- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing
fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre

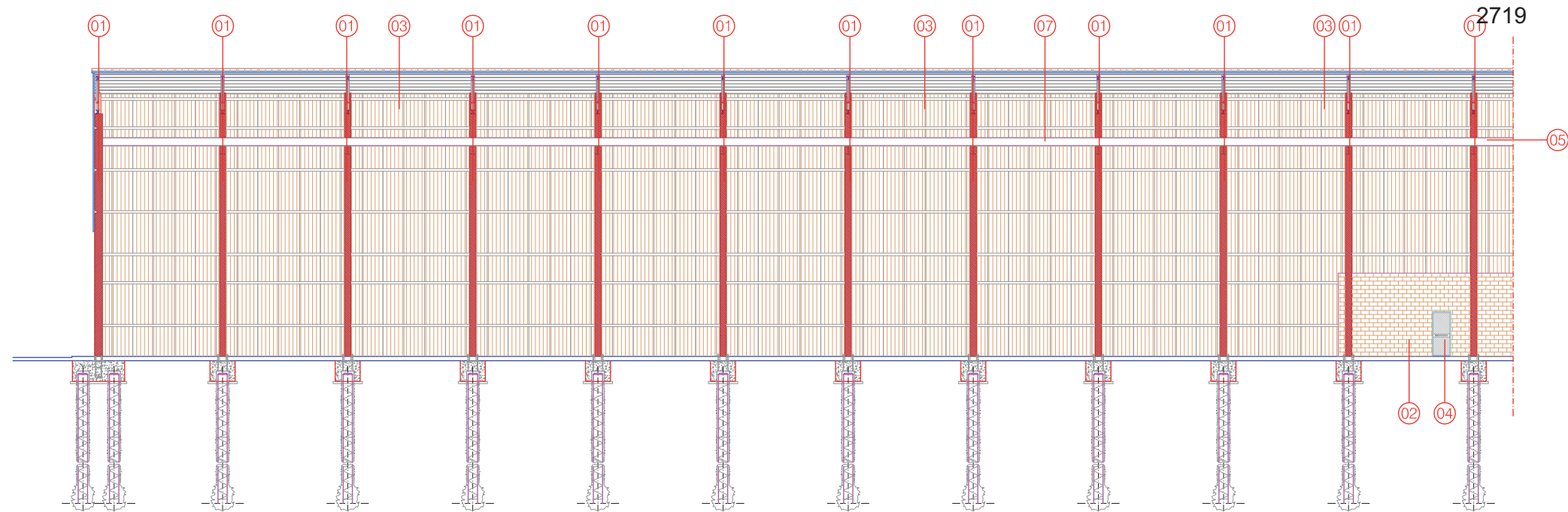
DRAWING
DESSIN **07a**

COUPES
FACADES

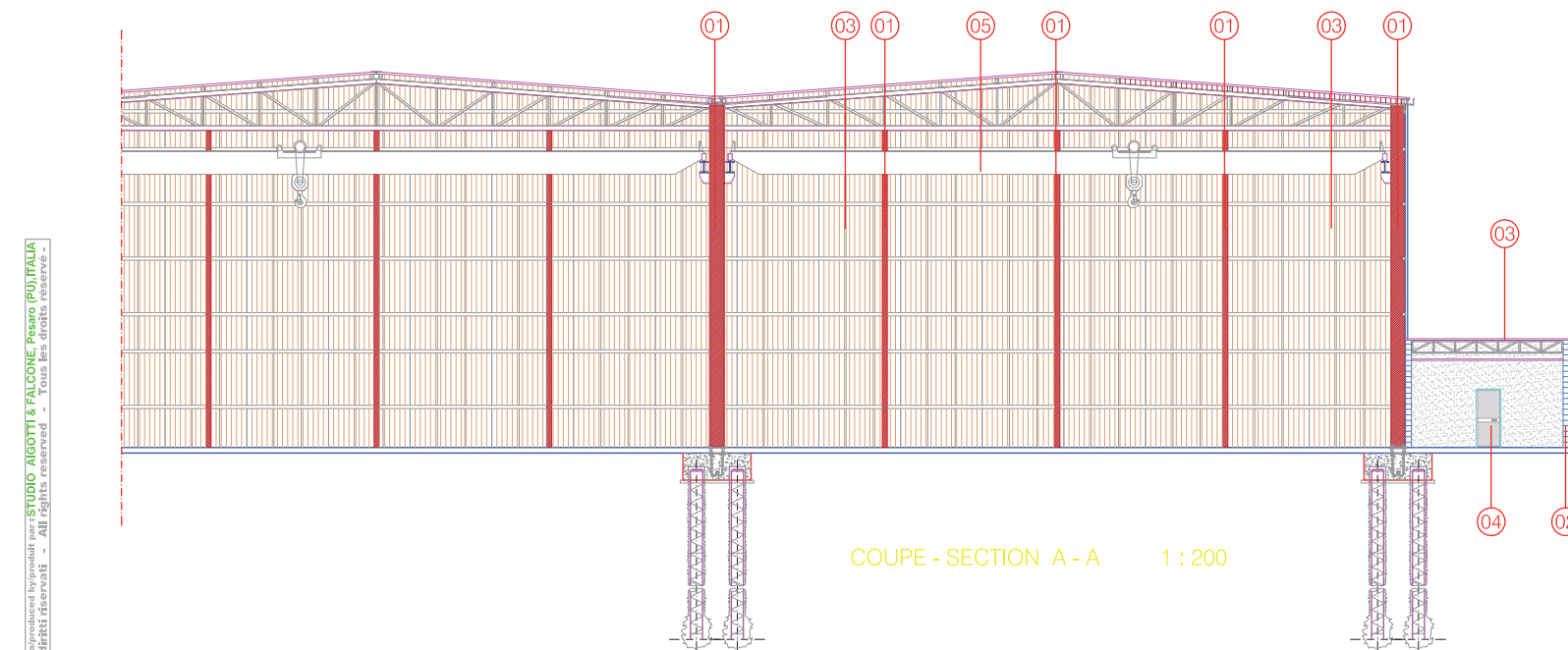
CDA

C 12
e





COUPE - SECTION B - B 1 : 200



COUPE - SECTION A - A 1 : 200

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation
- ④ multi function metallic and glass door with
antipanic handle
porte métallique et de verre multi-fonction
avec la poignée antipanic
- ⑤ bridge-trane
pont roulant

**DRAWING
DESSIN 07b**

**SECTIONS
ELEVATIONS**

CDA

**C 12
e**



2720

COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega " in acciaio
arcarecci in profili ad "omega " in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ bridge-trane
pont roulant
- ⑦ mur de briques en béton vibrant couleur ocre
vibrante concrete masonry colour ochre

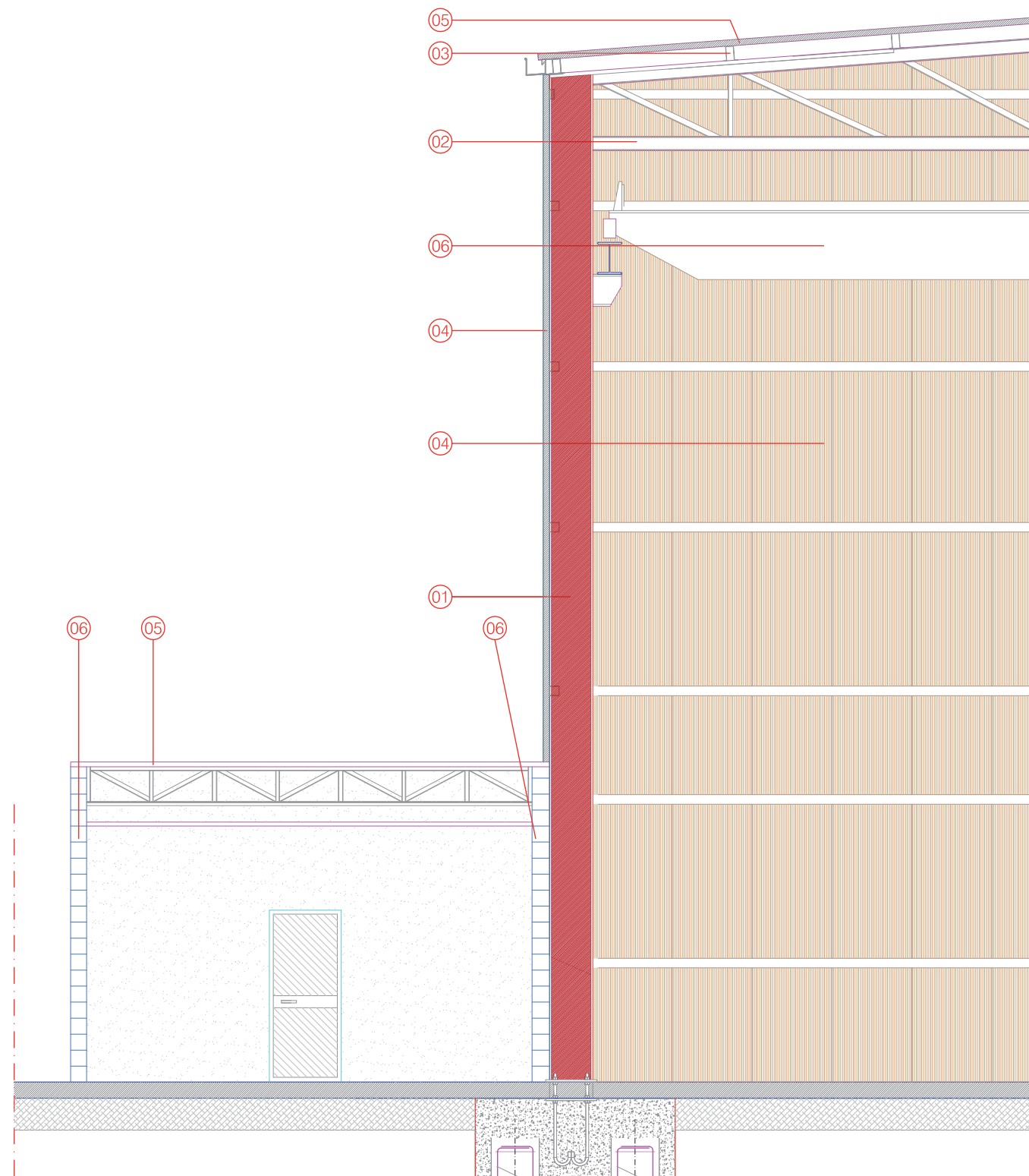
DRAWING
DESSIN 08a

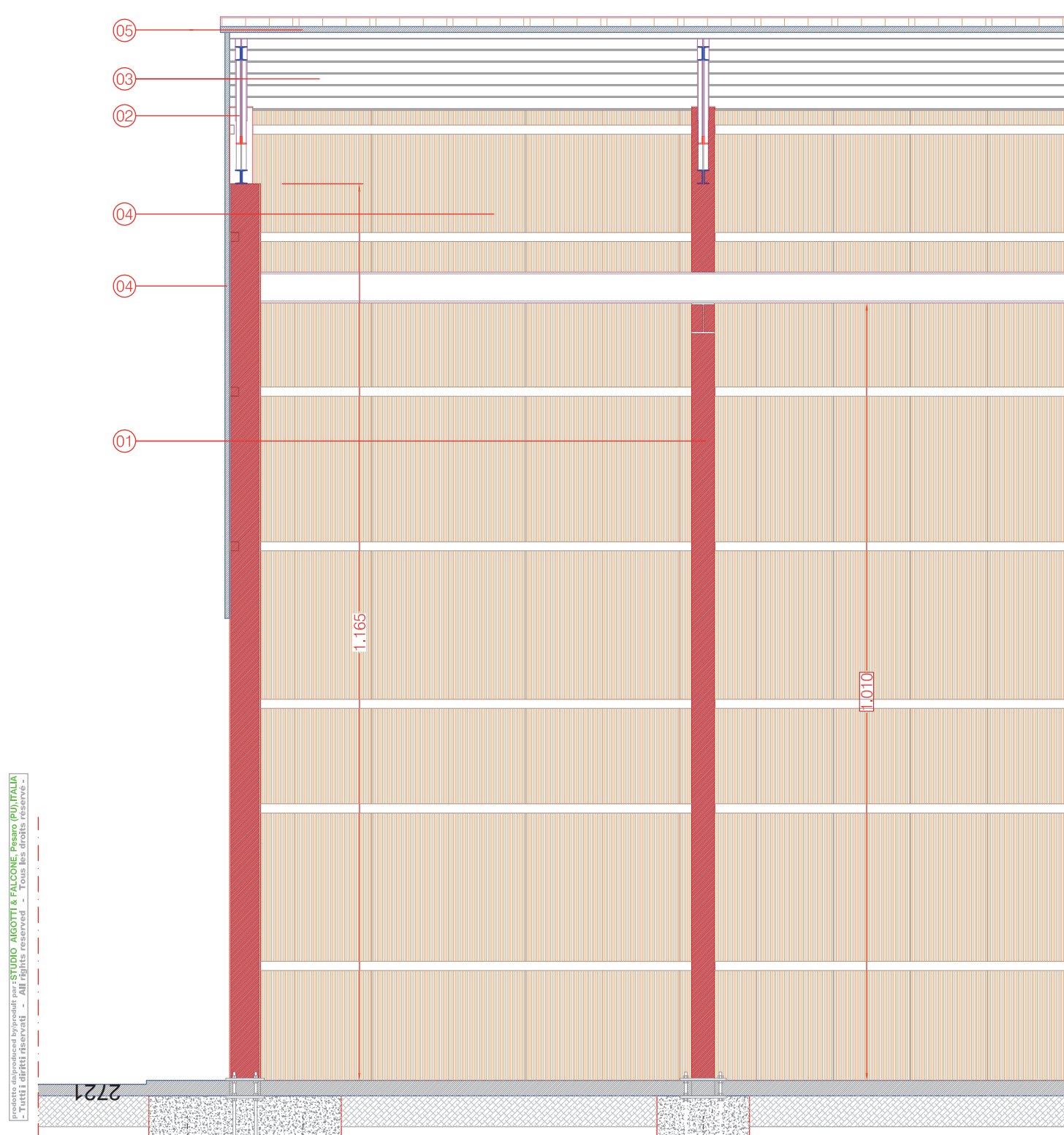
CDA

SECTIONS
ELEVATIONS

C 12
e

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COUPE - SECTION B - B 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre

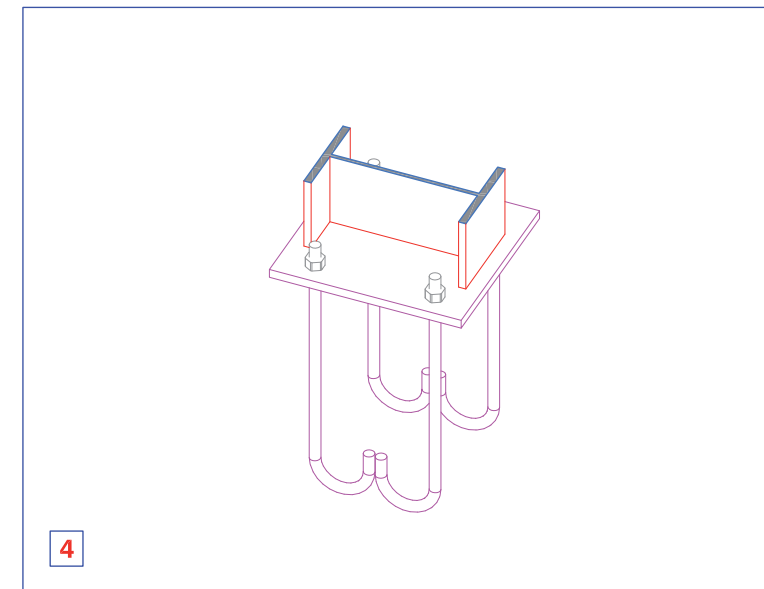
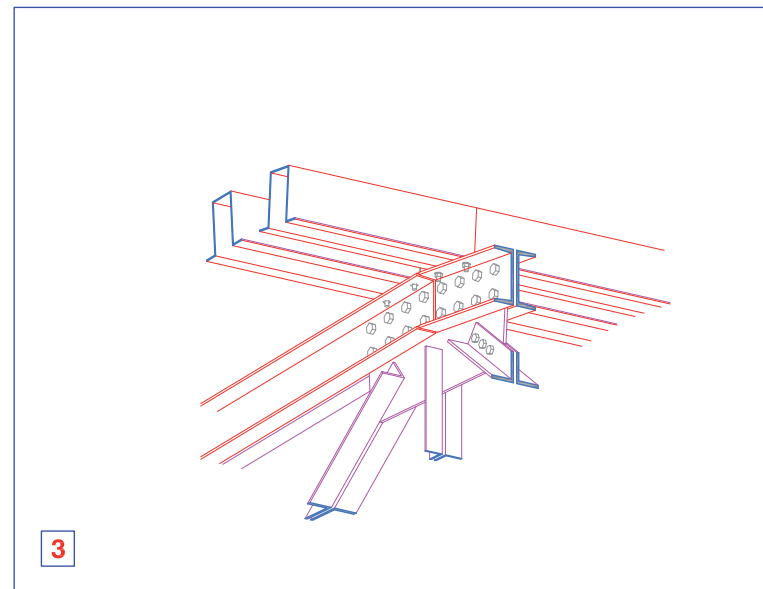
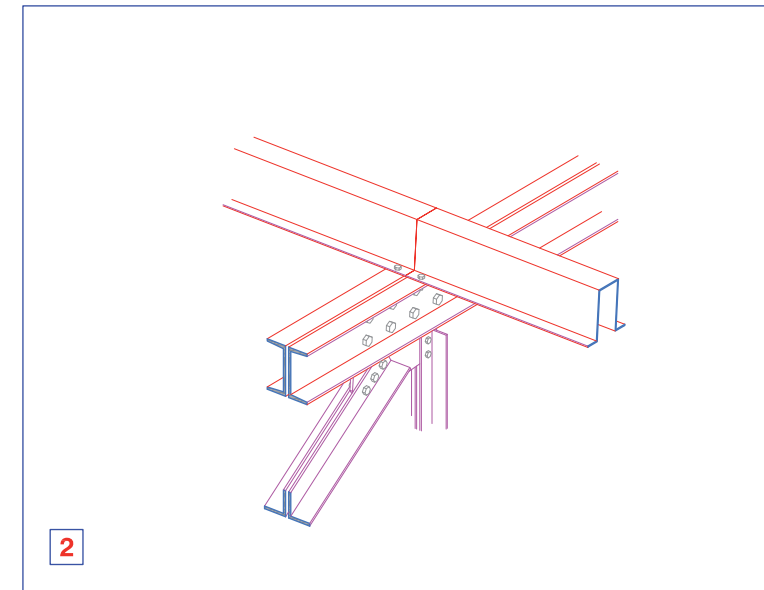
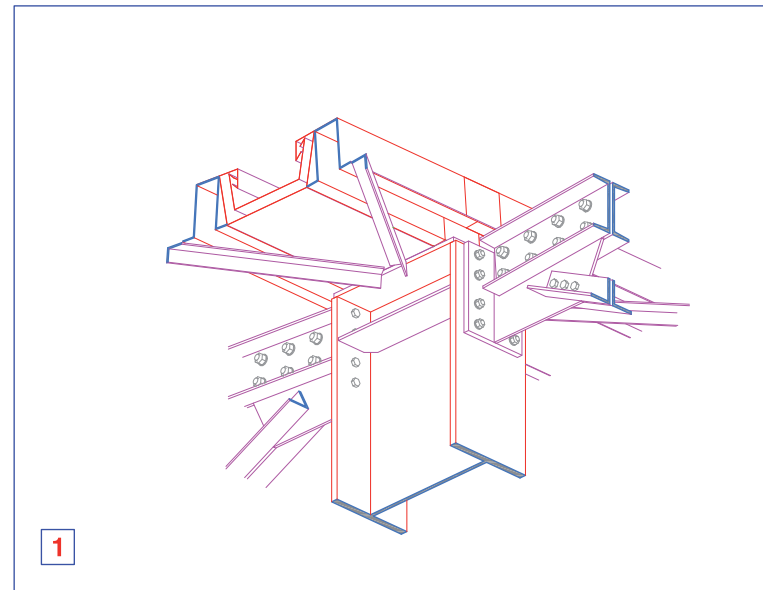
DRAWING
DESSIN 08b

CDA

SECTIONS
ELEVATIONS

C 12
e



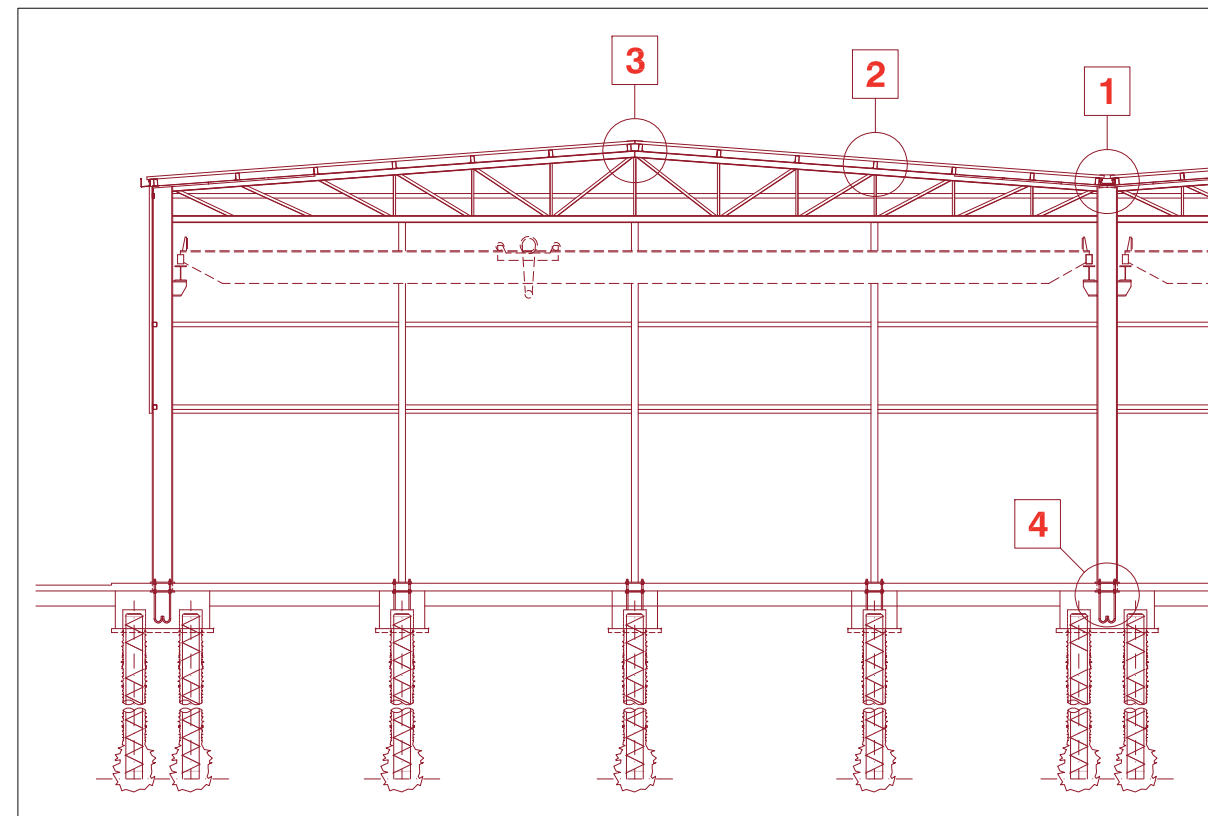


**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

A1

CDA

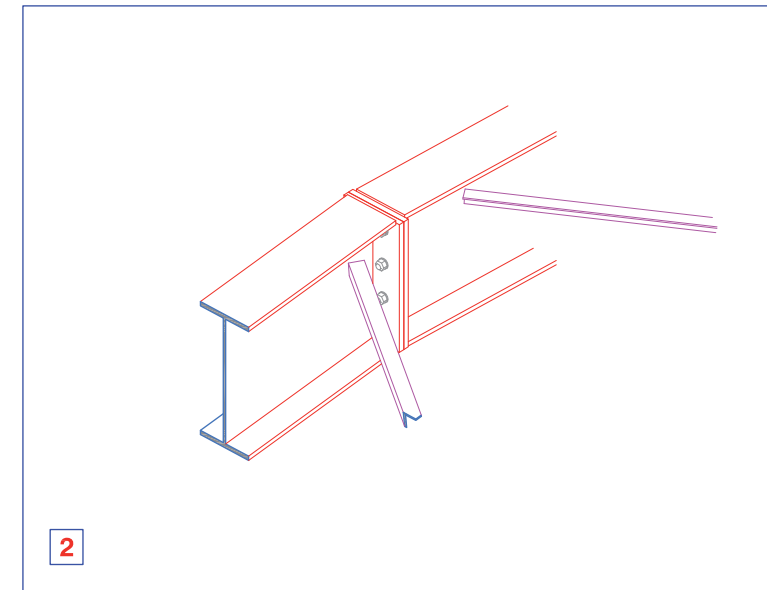
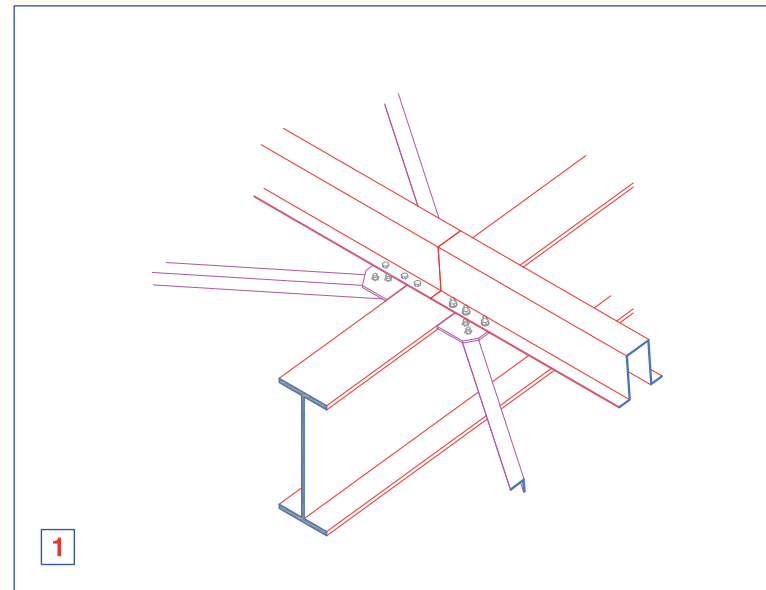




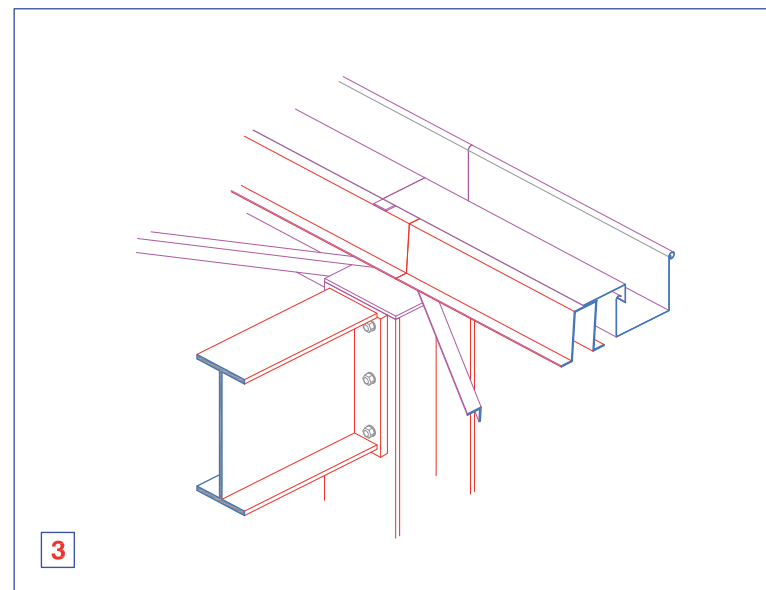
DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A

CDA



2724

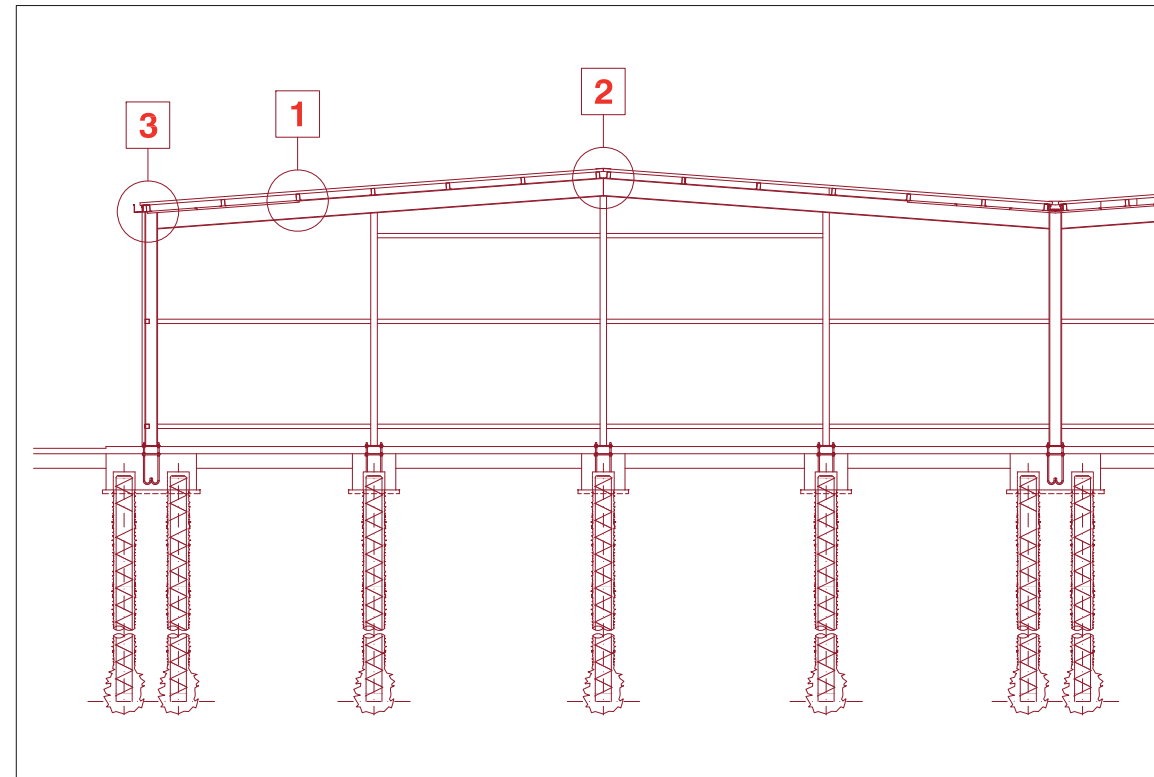


**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

B1

CDA

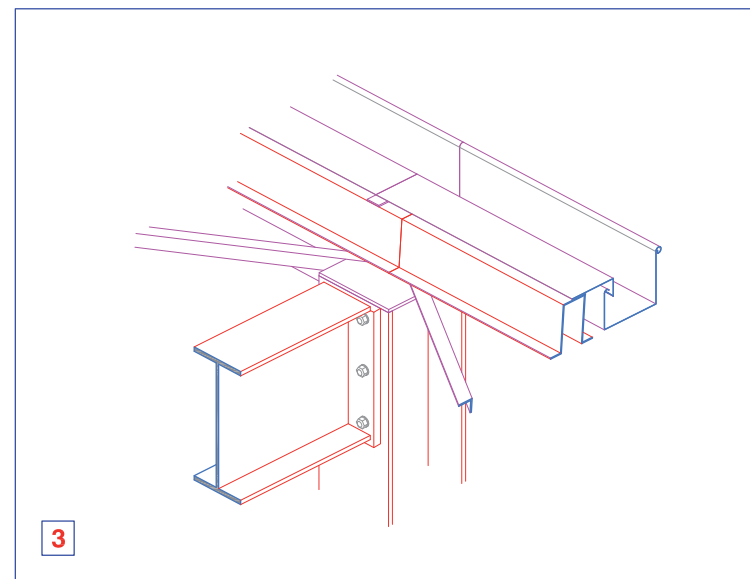
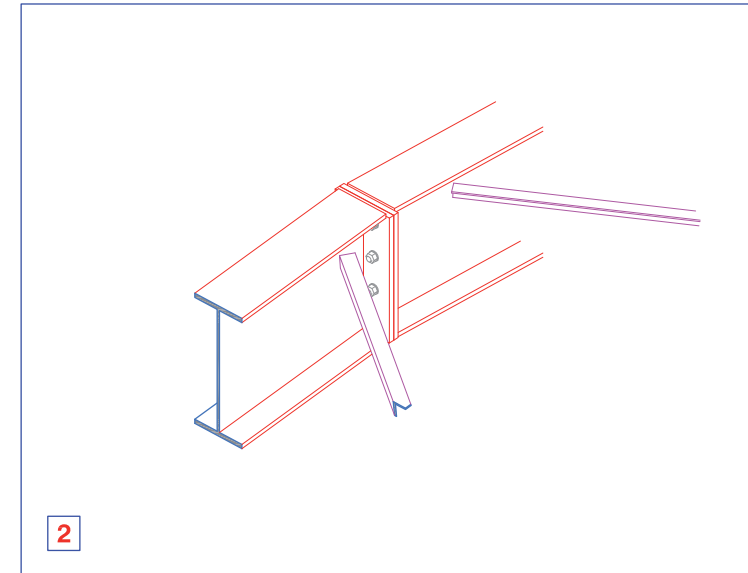
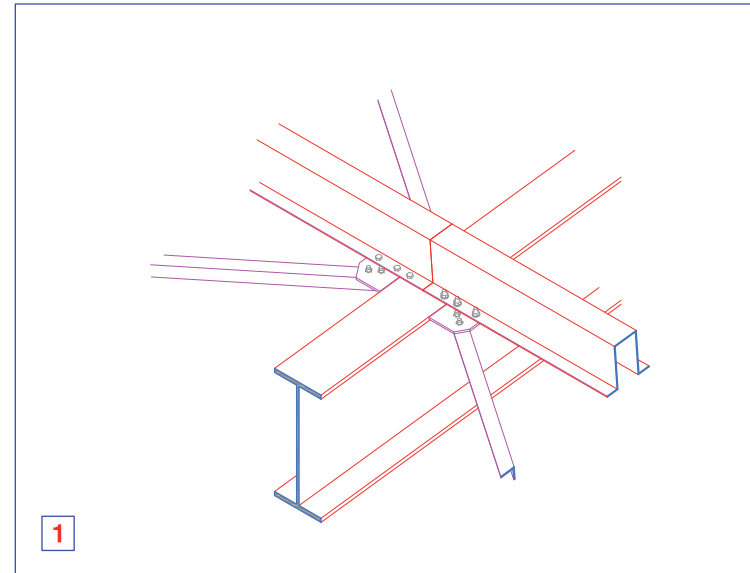




**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

B

CDA

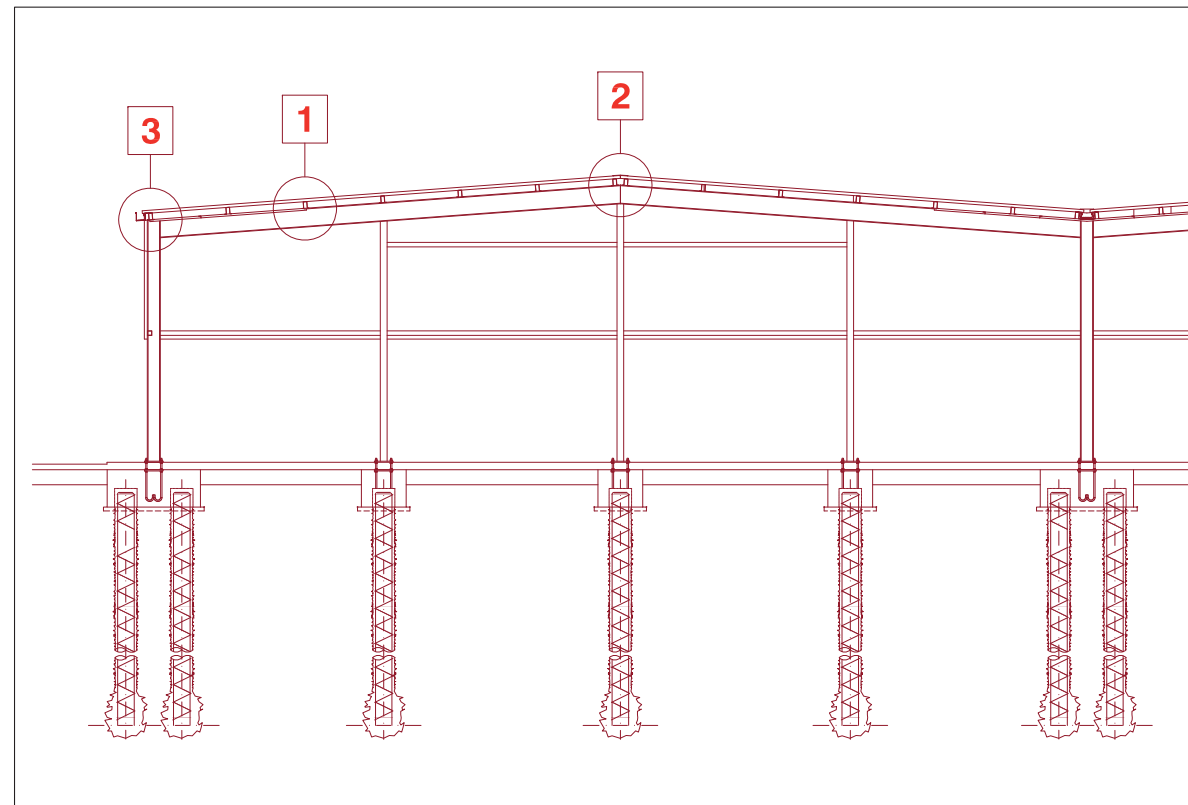


**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

C1

CDA

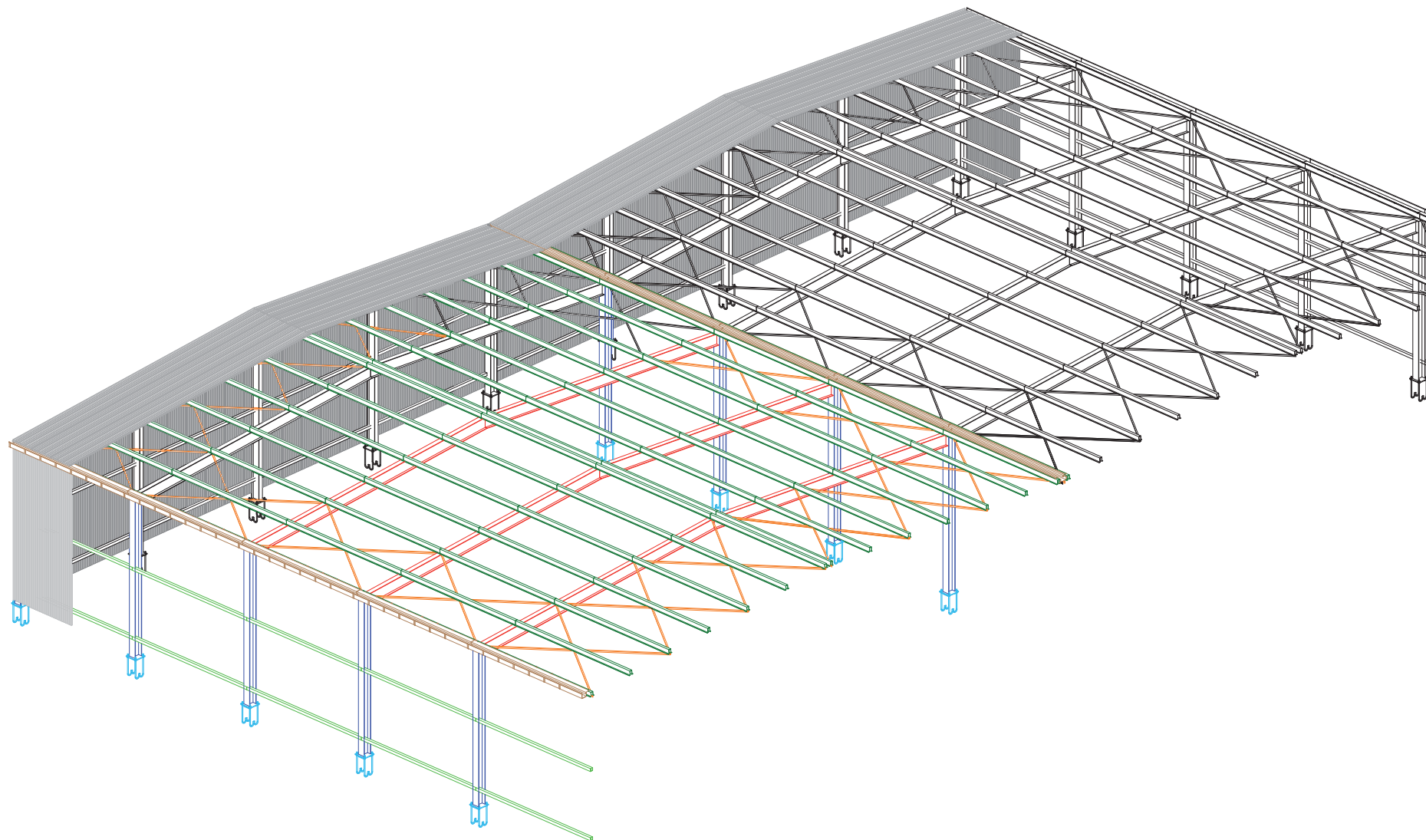




**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

C

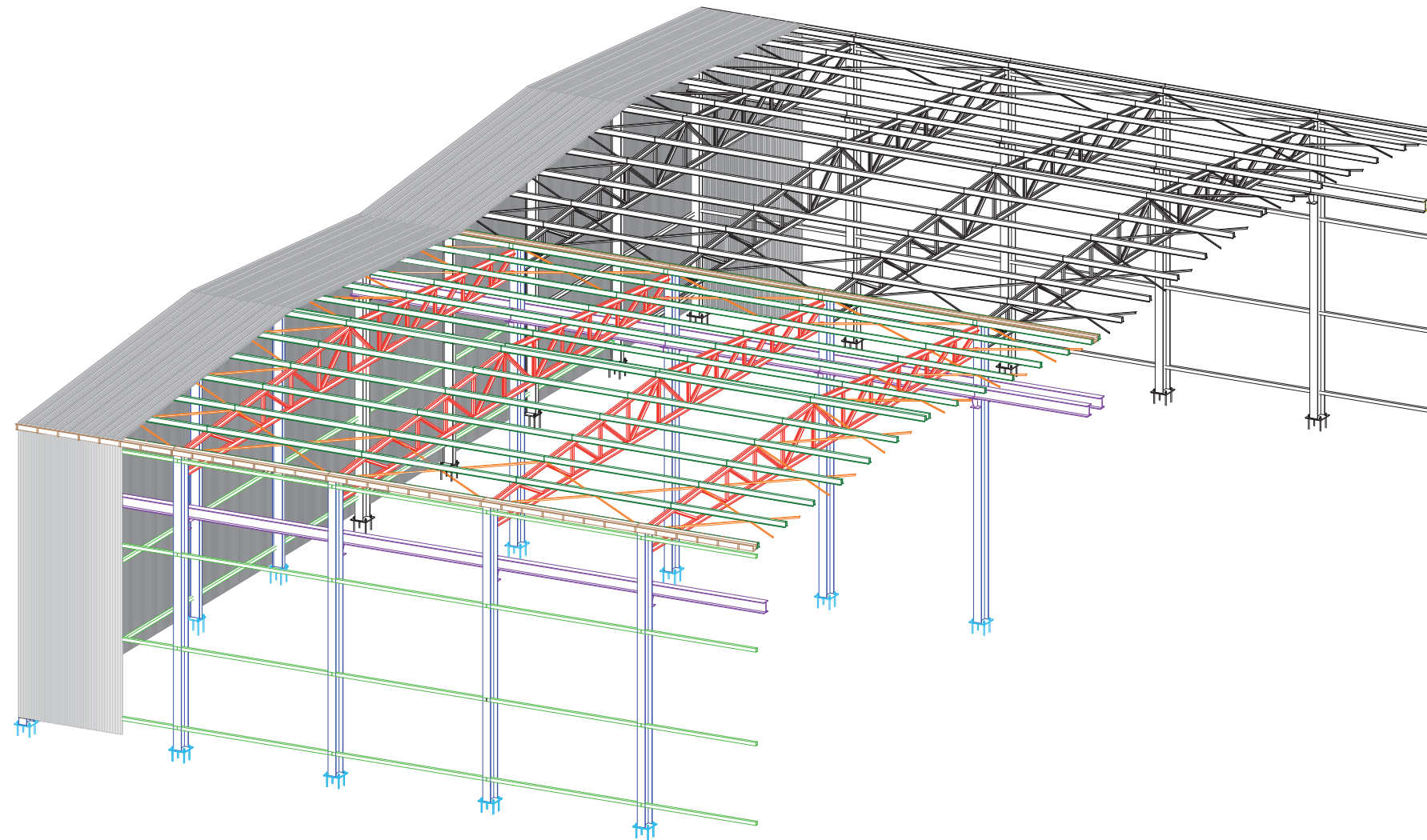
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

D

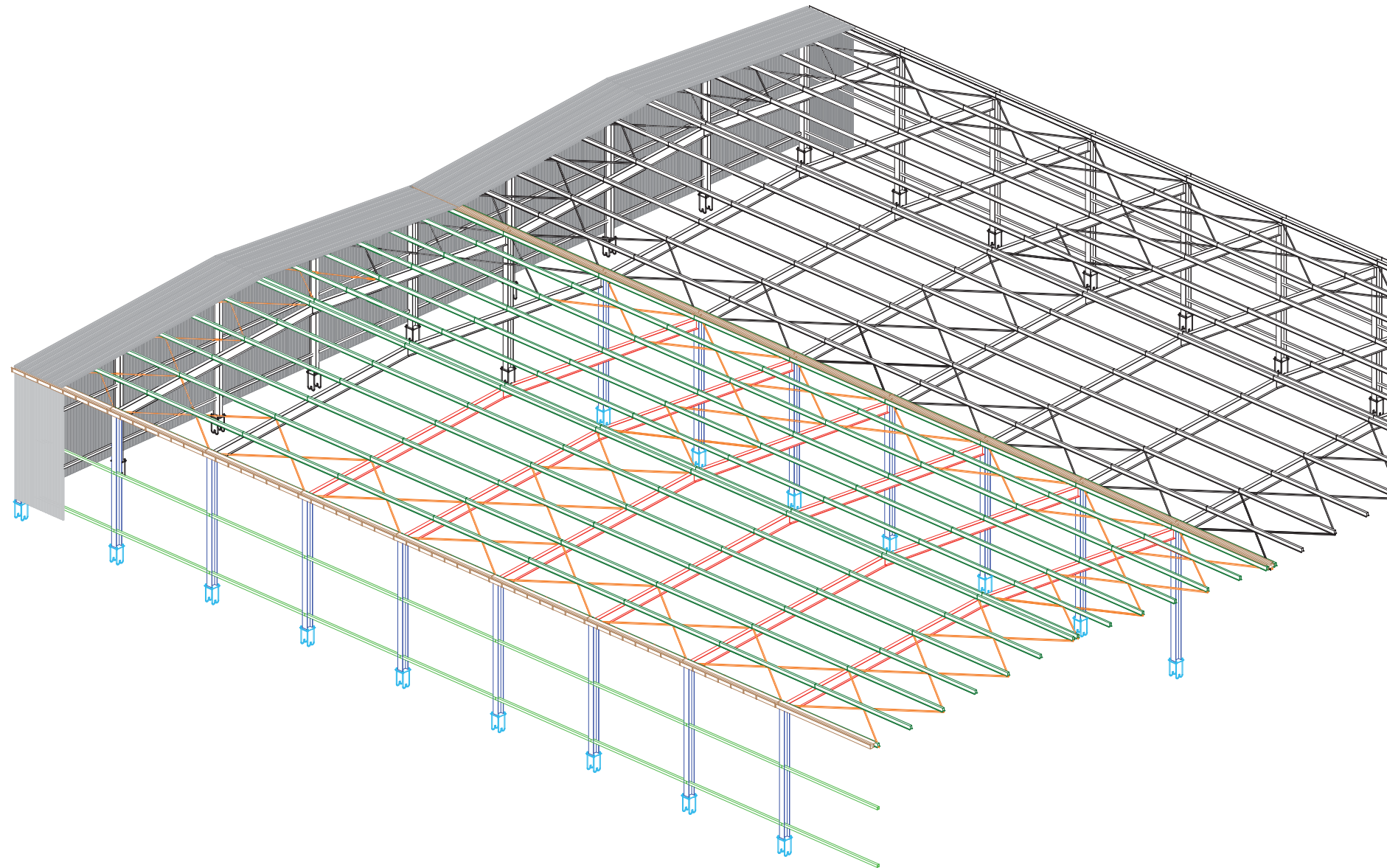
CDA



**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

E

CDA



**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

F

CDA



STIMA DEI LAVORI									
N.	CODICE	DESCRIZIONE SINTETICA	U.M.	Q.TA'	PR. UN.	IMPORTO		CAPITOLO	%
ART.					EURO	EURO			
SCAVI									
1	02.01.01a	Scavi a sezione aperta, etc..	mc.	2.834,22	6,00	17.005,35			
2	02.01.05.a	Scavi a sezione obbligata, etc.	mc.	4.646,78	11,44	53.159,21			
3	02.02.01a	Reinterri , etc.	mc.	2.864,31	6,14	17.586,87			
4	03.01.01d	Palo trivellato	ml.	4.440,00	82,92	368.164,80			
5	02.02.03b	Fornitura, stessa e clindratura, etc..	mc.	1.629,05	18,59	30.284,05			
				TOTALE CAPITOLO		486.200,28		486.200,28	39,70
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a	Calcestruzzo per magroni, etc..	mc.	557,61	75,07	41.860,02			
7	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	1.360,80	94,36	128.405,09			
8	12.01.01	Additivo antirermi	kg.	406,52	5,00	2.032,62			
9	03.04.01b	Acciaio FeB44k	kg.	189.102,60	1,08	204.230,81			
10	3.04.02	Reti elettrosaldata, etc.	kg.	27.150,85	1,32	35.839,12			
11	12.01.02	Fermi a U, chiusura pannelli, etc.	Kg.	0,00	2,00	0,00			
12	03.01.11a	Casseformi in legno, etc.	mq.	3.437,17	21,69	74.552,17			
				TOTALE CAPITOLO		486.919,82		486.919,82	39,76
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b	Muratura in blocchi di cls, spess. 15 cm etc..	mq.	24,40	21,04	513,38			
14	05.01.09c	Muratura in blocchi di cls, spess. 20 cm etc..	mq.	278,24	22,38	6.227,01			
15	05.01.09.d	Muratura in blocchi di cls, spess. 25 cm etc..	mc.	0,00	186,14	0,00			
				TOTALE CAPITOLO		6.740,39		6.740,39	0,55
INTONACI									
16	07.01.02c	Intonaco rustico, su pareti in forati	mq.	112,00	17,56	1.966,72			
17	07.01.03c	Intonaco a civile	mq.	215,04	18,74	4.029,85			
				TOTALE CAPITOLO		5.996,57		5.996,57	0,49
VESPAI									
18	12.01.03	Vespai con igloo, etc.	mq.	103,97	55,20	5.739,14			
				TOTALE CAPITOLO		5.739,14		5.739,14	0,47
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a	Pavimento industriale	mq.	5.430,17	28,40	154.216,81			
20	12.01.04b	Trattamento antipolvere, etc.	mq.	5.430,17	3,46	18.788,39			
21	3.02.10	Sottofondi, etc..	mq.	103,97	11,75	1.221,65			
22	08.01.18d	Plastrele in gres, etc..	mq.	215,97	25,00	5.399,25			
23	07.02.03b	Controsoffitto , etc..	mq.	103,97	32,48	3.376,95			
				TOTALE CAPITOLO		183.003,03		183.003,03	14,94



PORTE E PORTONI									
24	09.01.04a	Bussola in legno, etc.	mq.	17,01	100,00	1.701,00			
25	12.01.05	Portone a libro, etc.	mq.	0,00	350,00	0,00			
26	12.01.06	Portone ad impacchettamento, etc	mq.	102,60	200,00	20.520,00			
27	12.01.07	Portone sezionale, etc..	mq.	0,00	180,00	0,00			
28	12.01.08	Portoncini di ingresso, etc..	cad.	0,00	560,00	0,00			
29	12.01.09	Serramenti esterni e vetrarie	mq.	11,55	300,00	3.465,00			
				TOTALE CAPITOLI		25.686,00		25.686,00	2,10
STRUTTURA METALLICA									
30	12.01.11	Pilastrò HEA, etc	kg.		3,00	0,00			
31	12.01.11	Travi orizzontali	kg.		3,00	0,00			
32	12.01.11	Diagonali di facciata doppio	kg.		3,00	0,00			
33	12.01.11	Verticali di facciata	kg.		3,00	0,00			
34	12.01.11	Travate reticolari in copertura dir mod. min.	kg.		3,00	0,00			
35	12.01.11	Travate reticolari in copertura dir mod. mag.	kg.		3,00	0,00			
36	12.01.11	Controventi in copertura	kg.		3,00	0,00			
37	12.01.11	Orditura sostegno pannelli	kg.		3,00	0,00			
38	13.01.09	Pannelli sandwich su pareti esterne	mq.		30,00	0,00			
39	13.01.09	Pannelli sandwich per copertura	mq.		30,00	0,00			
40	13.01.10	Lastre trasparenti in vetroresina, etc..	mq.		26,20	0,00			
41	13.01.11	Ondulina in vetroresina, etc.	mq.		13,20	0,00			
42	13.01.12	Scossaline di coronamento, etc	mq.		14,80	0,00			
				TOTALE CAPITOLO		0,00		0,00	0,00
VARIE									
43	12.01.10	Scale in ferro	cad.	1,00	10.000,00	10.000,00			
				TOTALE CAPITOLO		10.000,00		10.000,00	0,82
ASSISTENZE MURARIE									
44	13.01.15	Assistenza struttura, etc..	cad.	72,00	200,00	14.400,00			
				TOTALE CAPITOLO		14.400,00		14.400,00	1,18
				TOTALE LAVORI				1.224.685,24	100

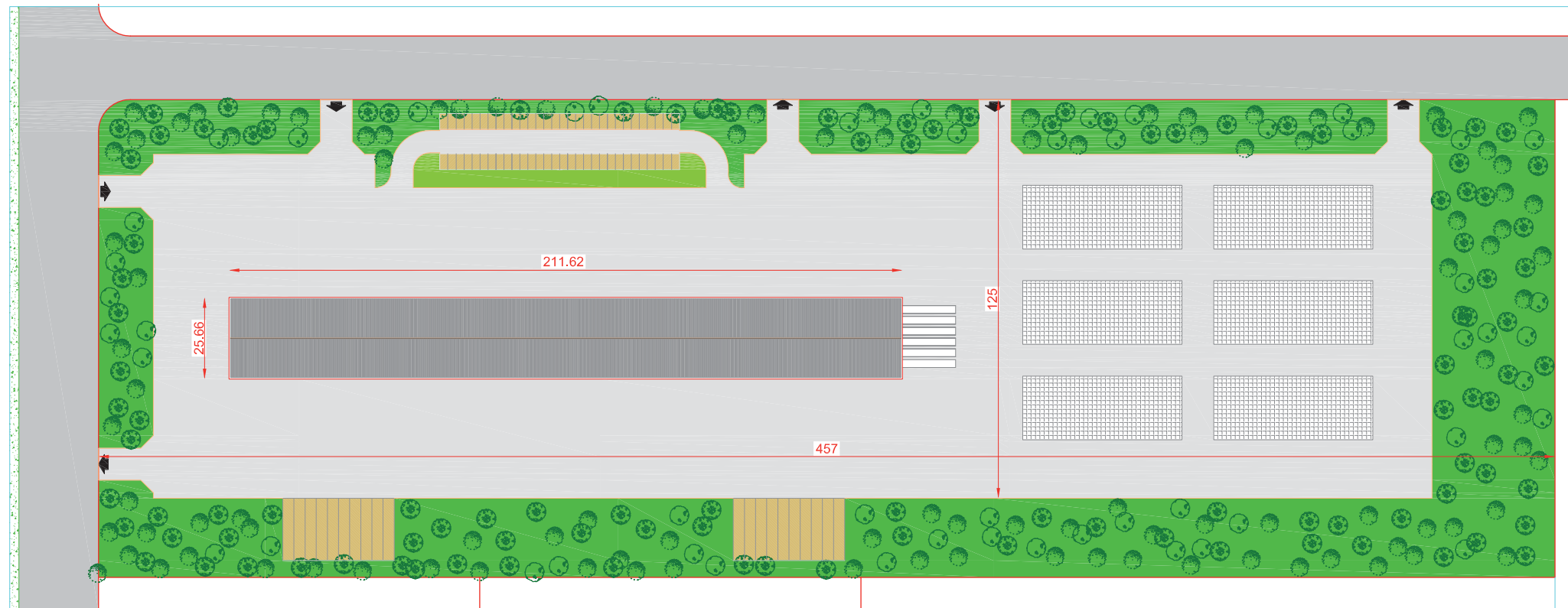
QUADRO RIEPILOGATIVO			
COSTO CAPANNONE	Euro	1.224.685,24	
SUPERFICIE CAPANNONE	mq.	5.430,17	
COSTO MEDIO	Euro/mq.	225,53	



GRUPPO MAS											
LOTTO		ALFREDO		SISTEMAZIONI		PAESE		COSTA D'AVORIO		UNICA	
				ESTERNE				SOCIETA'		WEILER	
PARAMETRI SIGNIFICATIVI										NOTE	
N.	CADICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO		CAPITOLO		%	
SCAVI											
1	02.01.01a	Scavi a sezione obbligata, etc.	mc.	1.487,02	11,44	17.011,55					
2	02.02.01a	Reinforri, etc.	mc.	1.537,21	6,14	9.438,49					
3	02.02.03b	Fornitura, stesa e cindratura, etc..	mc.	12.456,30	18,59	231.562,62					
CALCESTRUZZI-ACCIAIO-CASSERI											
4	03.01.09a	Calcestruzzo per maglioni, etc.	mc.	160,38	75,07	12.040,03					
5	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	517,98	94,36	48.839,23					
6	12.01.01	Additivo antilemmi	kg.	13.232,68	5,00	66.163,38					
7	03.04.01b	Acciaio FeB44k	kg.	31.055,04	1,08	33.539,44					
8	3.04.02	Rete elettrosaldata, etc.	kg.	328.015,90	1,32	432.980,99					
9	03.01.11a	Casseformi in legno, etc.	mq.	403,84	21,69	8.759,29					
PAVIMENTI E RIVESTIMENTI											
10	12.01.04a	Pavimento industriale	mq.	41.521,00	28,40	1.179.196,40					
11	12.01.04b	Trattamento antipolvere, etc.	mq.	41.521,00	3,46	143.662,66					

QUADRO RIEPILOGATIVO		WEILER	
COSTO TOTALE	Euro	2.823.604,65	
TOTALE AREE ESTERNE	mq.	63.231,00	
COSTO MEDIO	Euro/m	44,66	





Projet de loi n° 1000 du 10 juillet 2014 relatif à la simplification administrative - Tous droits réservés - Studio Algotti & Falcone - Paris (P) ITALIA

délimitation du lot
plot limits

zone plantée d'arbres
planted area

place
square

réseau routier extérieur et intérieur
internal and external road network

gazon
grass area

car parks
parking

area stockage final product
area stockage produit finis

m 0 5 10 20 30 40 50



DRAWING
DESSIN

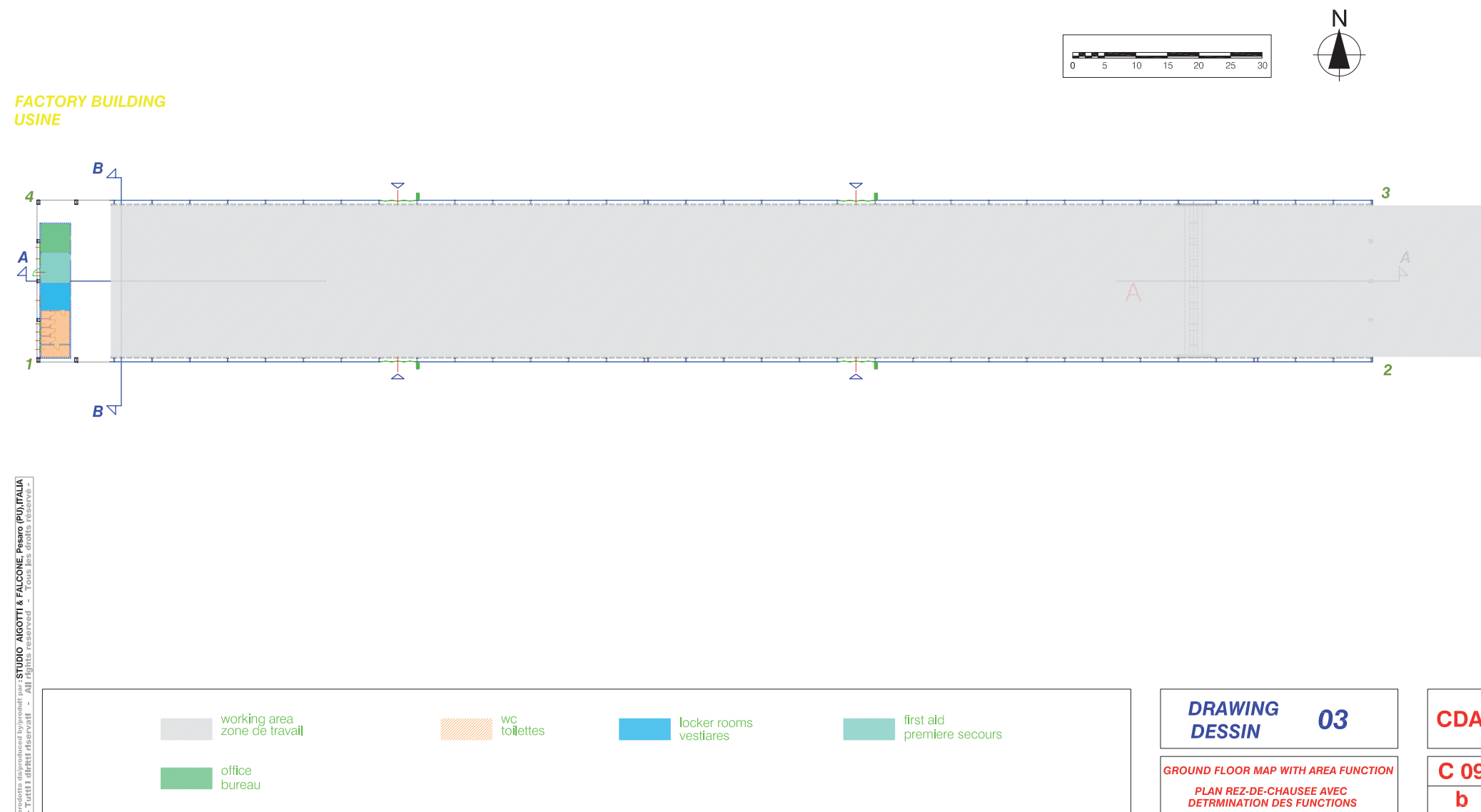
02

CDA

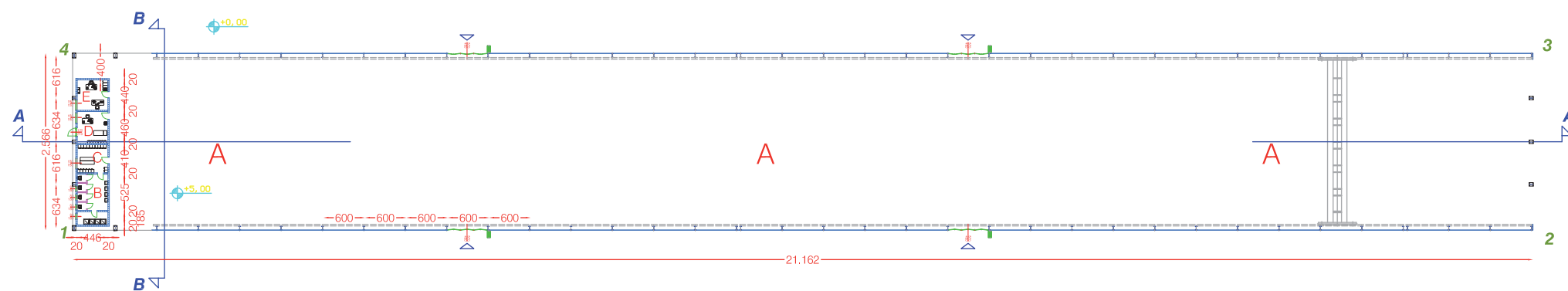
LOT LAY-OUT MAP
PLANIMETRIE LOT

C 09

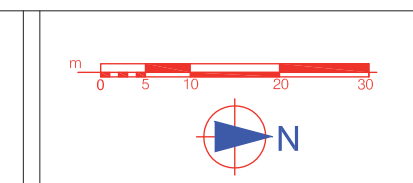




FACTORY BUILDING
USINE



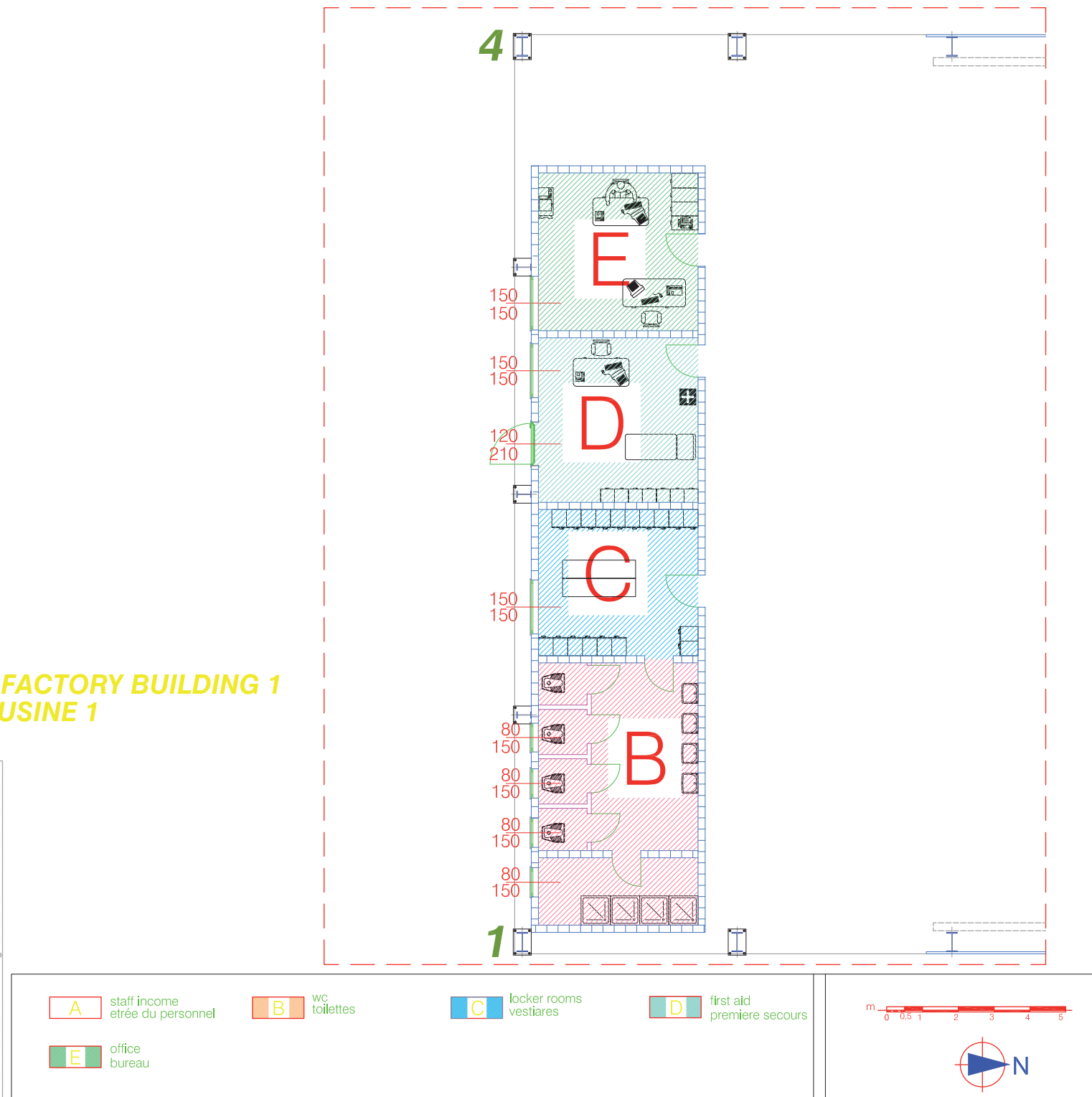
prodotto e distribuito in Italia per i
- Tutti i diritti riservati - All rights reserved - Tous les droits réservés -

A working area zone de travail	B wc toilettes	C locker rooms vestiaires	D first aid premiere secours		DRAWING DESSIN 03A	CDA
E office bureau					GROUND FLOOR FUNCTIONAL AND TECHNICAL MAP PLAN REZ-DE-CHAUSEE AVEC DETERMINATION DES FONCTION	C 09 b



FACTORY BUILDING 1 USINE 1

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**DRAWING
DESSIN** 04

GENERAL SERVICES MAP
WITH AREA FUNCTION
PLAN REZ-DE-CHAUSSEE
AVEC DETERMINATION DE FONCTION

CDA

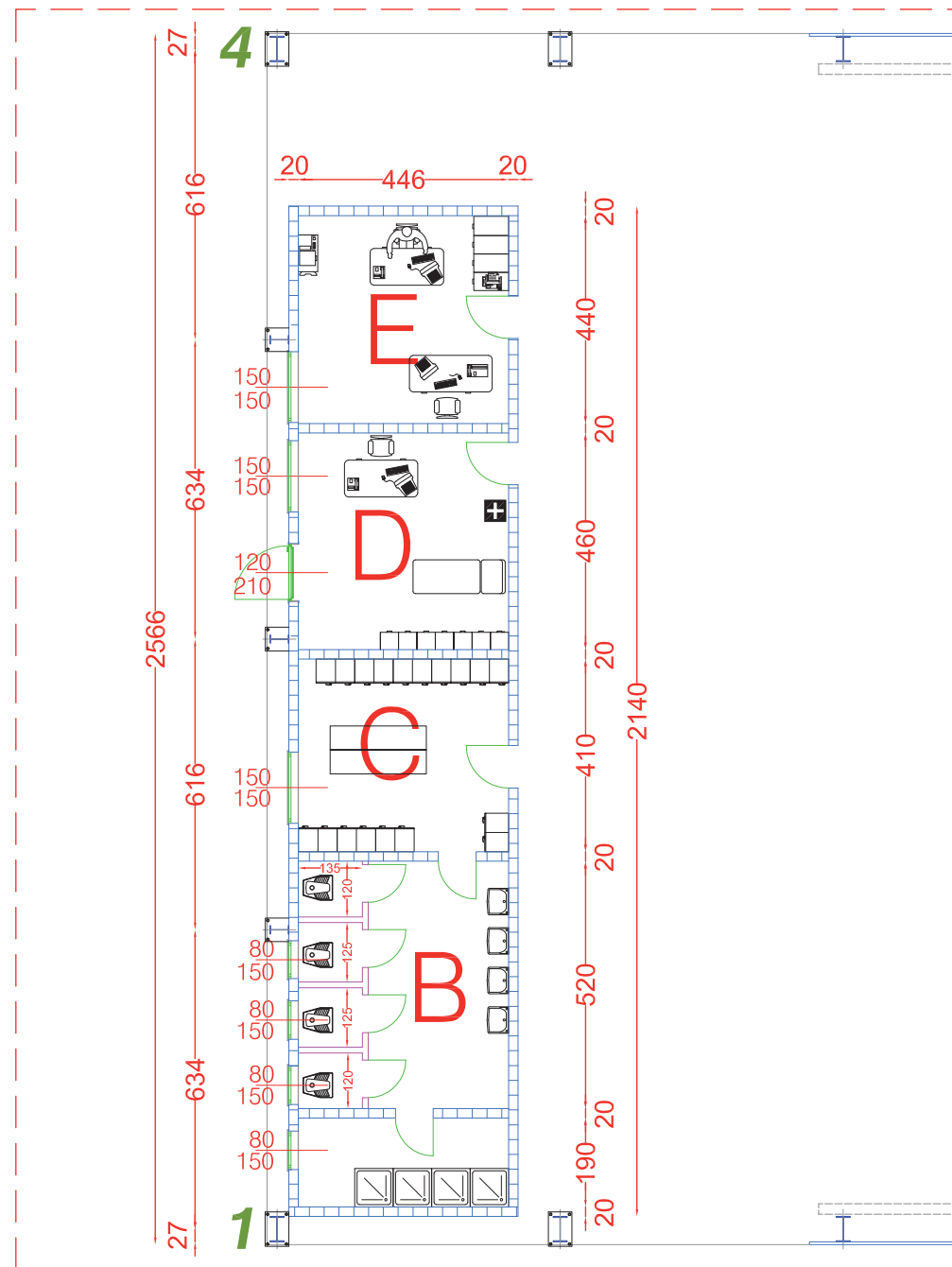
C 09
b



FACTORY BUILDING 1 USINE 1

prodotto e distribuito da studio AGOTTI & FALCONE, Pesaro (PU), ITALIA
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- | | | | |
|--|--------------------------|-------------------------------------|--|
| A staff income
entrée du personnel | B wc
toilettes | C locker rooms
vestiaires | D first aid
première secours |
| E office
bureau | | | |



m 0 0.5 1 2 3 4 5



**DRAWING
DESSIN** 04A

**DIMENSIONAL TECHNICAL
GENERAL SERVICES MAP
PLAN SERVICES GENERAL
TECHNIQUE DIMENSIONNEL**

CDA

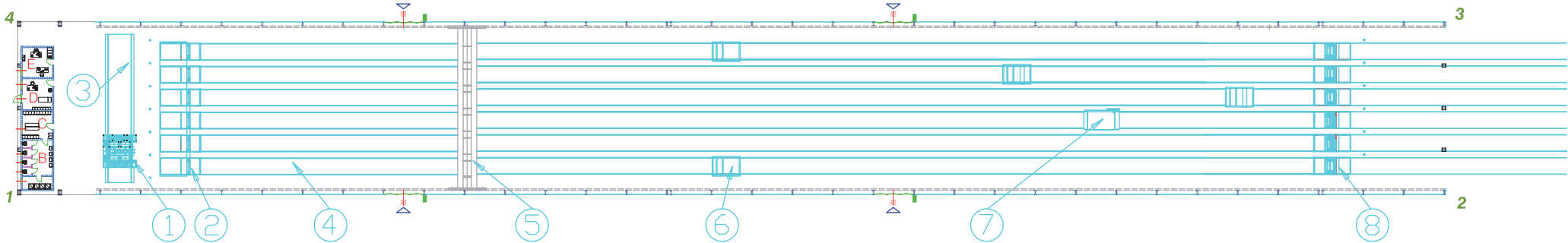
C 09

b

2738

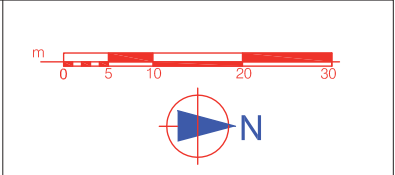


FACTORY BUILDING 1
USINE 1



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- TUTTI I DIRITTI RISERVATI - ALL RIGHTS RESERVED - TOUTS LES DROITS RESERVEES -

1	STRAND REELS CARRIER RAILS CHEMIN DE ROULEMENT DU CHARIOT PORTE-BOBINE	4	CASTING BEDS PISTES	7	SLIPFORMER VIBROFINISSEUSE
2	STRASSING JACK CRIC	5	BRIDGE CRANE PONT ROULANT	8	DETENSIONING CYLINDERS CRIC A RELEVEMENT
3	STRAND REELS CARRIER CHARIOT PORTE-BOBINE	6	SAW SILLAGES		



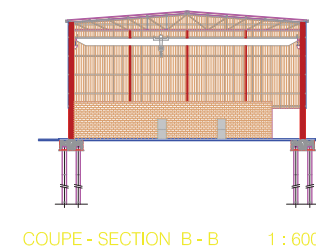
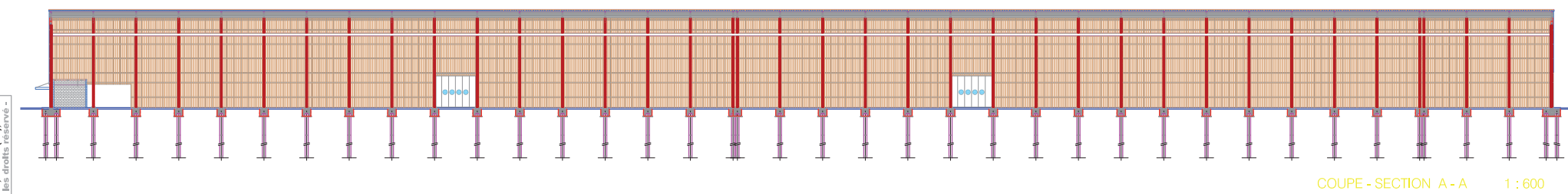
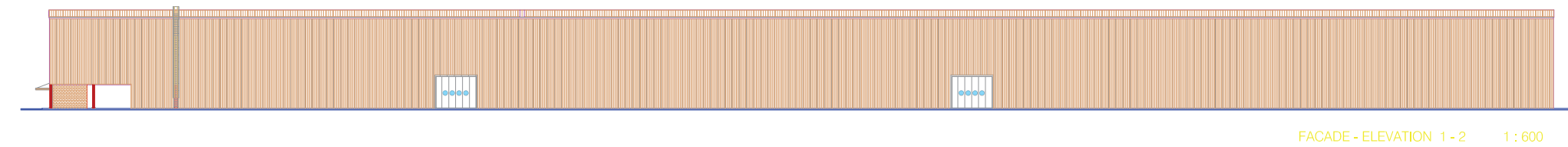
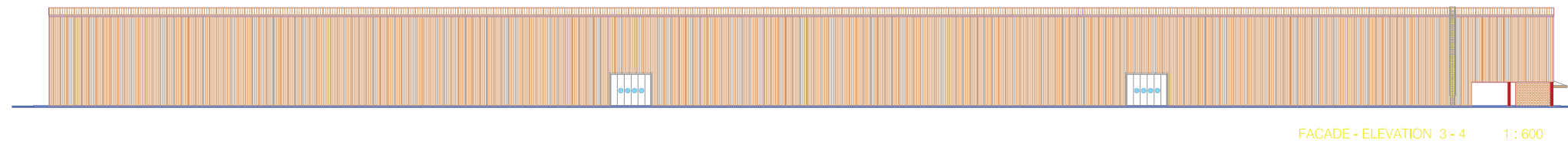
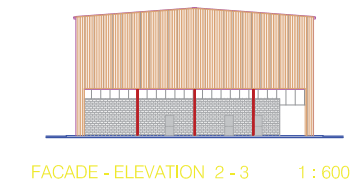
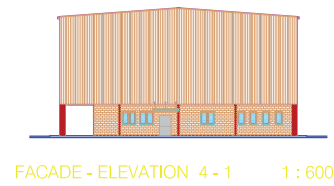
**DRAWING
DESSIN** 05

**PRODUCTION LINE MAP
PLAN LIGNE DE FABRICATION**

CDA

**C 09
b**





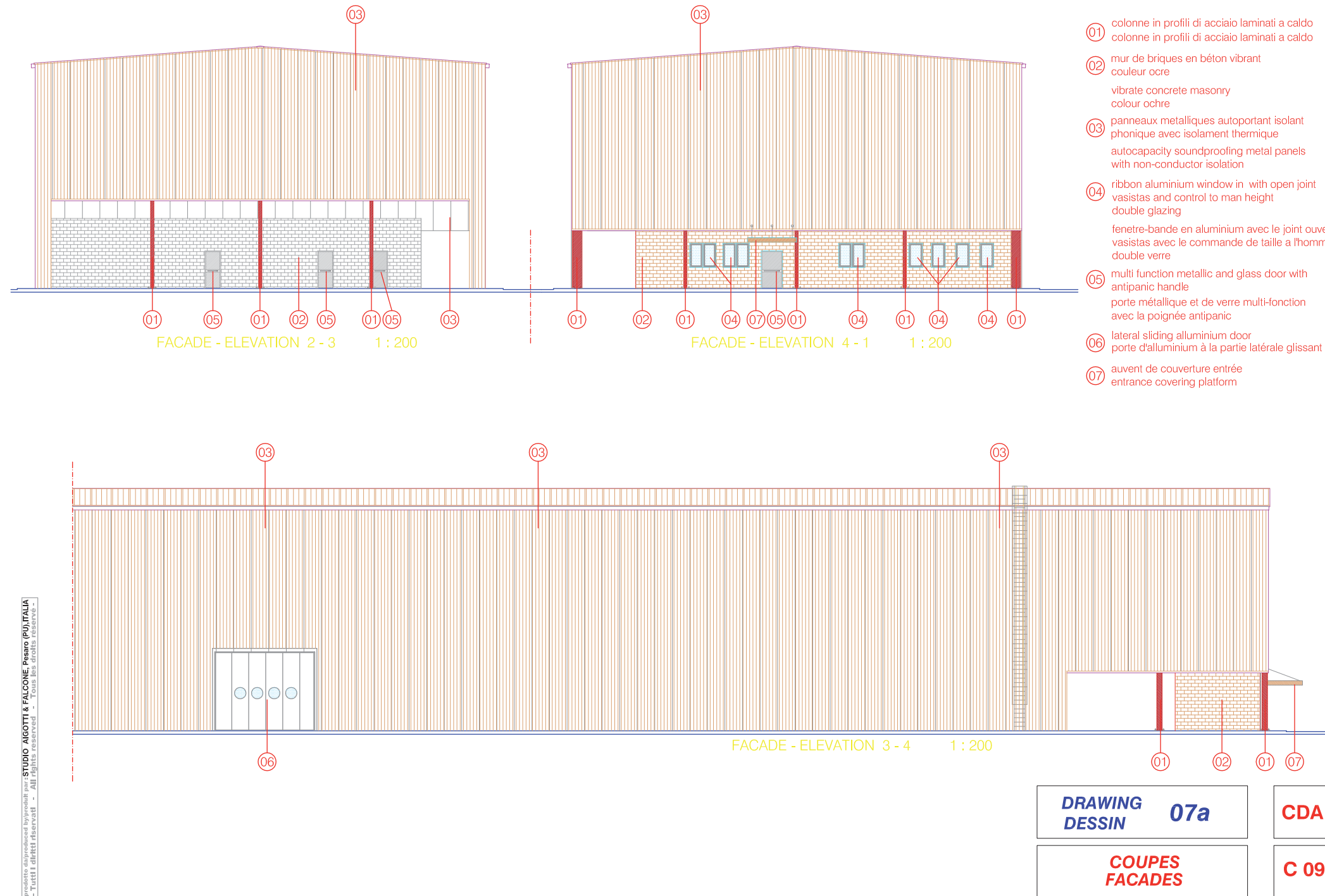
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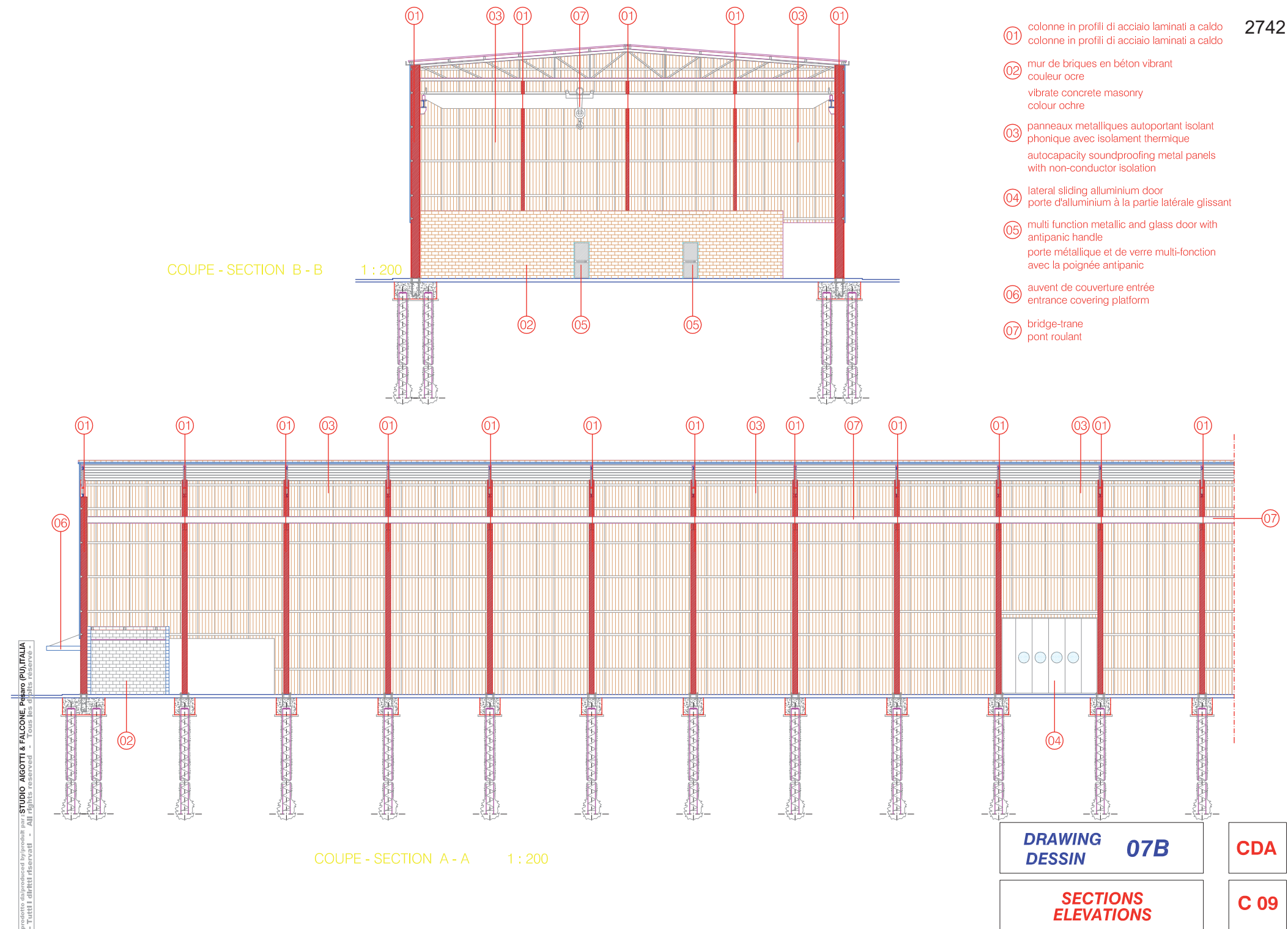
DRAWING
DESSIN **06**

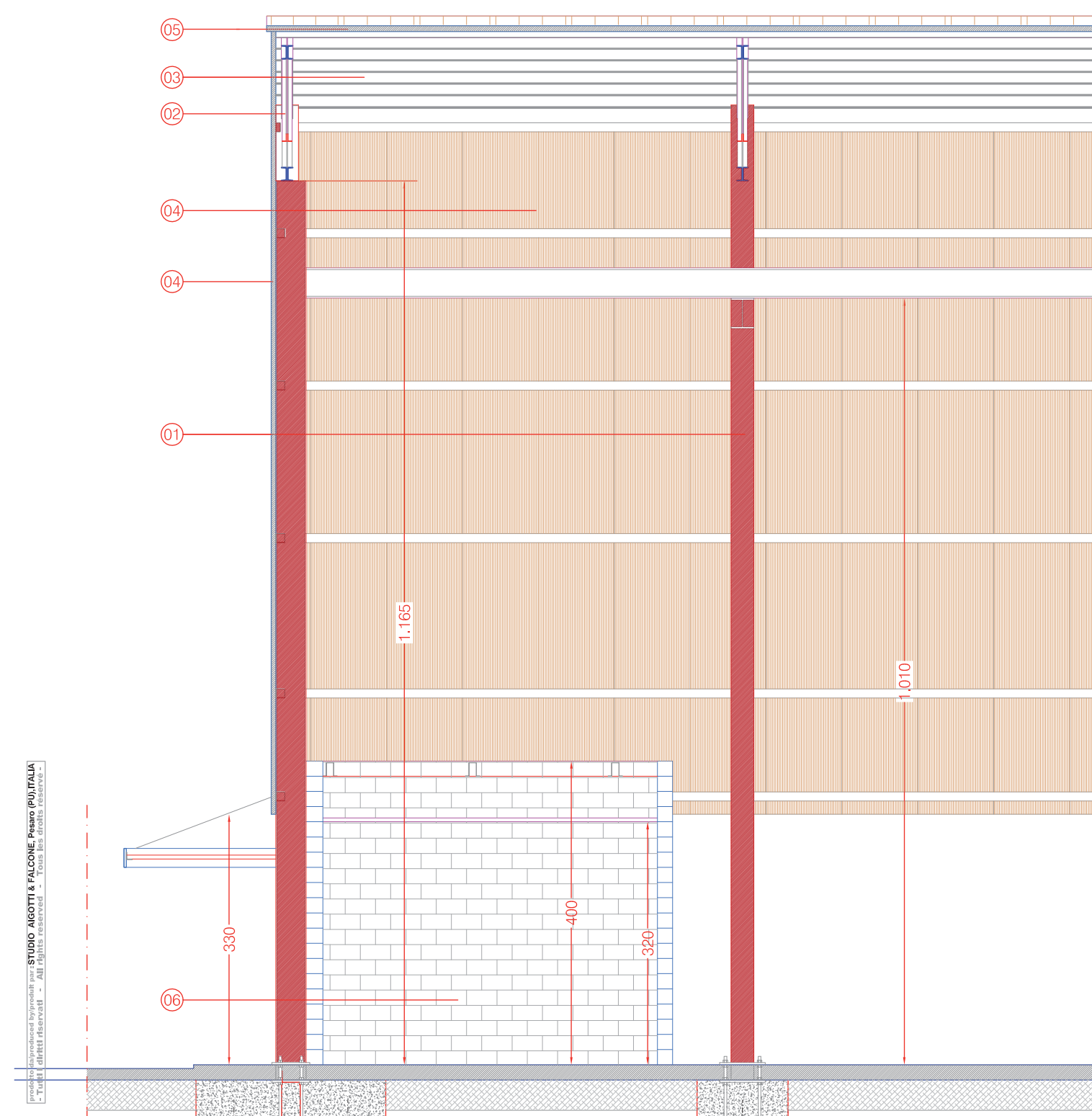
COUPES-FACADES
SECTIONS-ELEVATIONS

CDA

C 09







2743

COUPE - SECTION A - A 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura
- ⑥ mur de briques en béton vibrant couleur ocre
vibrate concrete masonry colour ochre

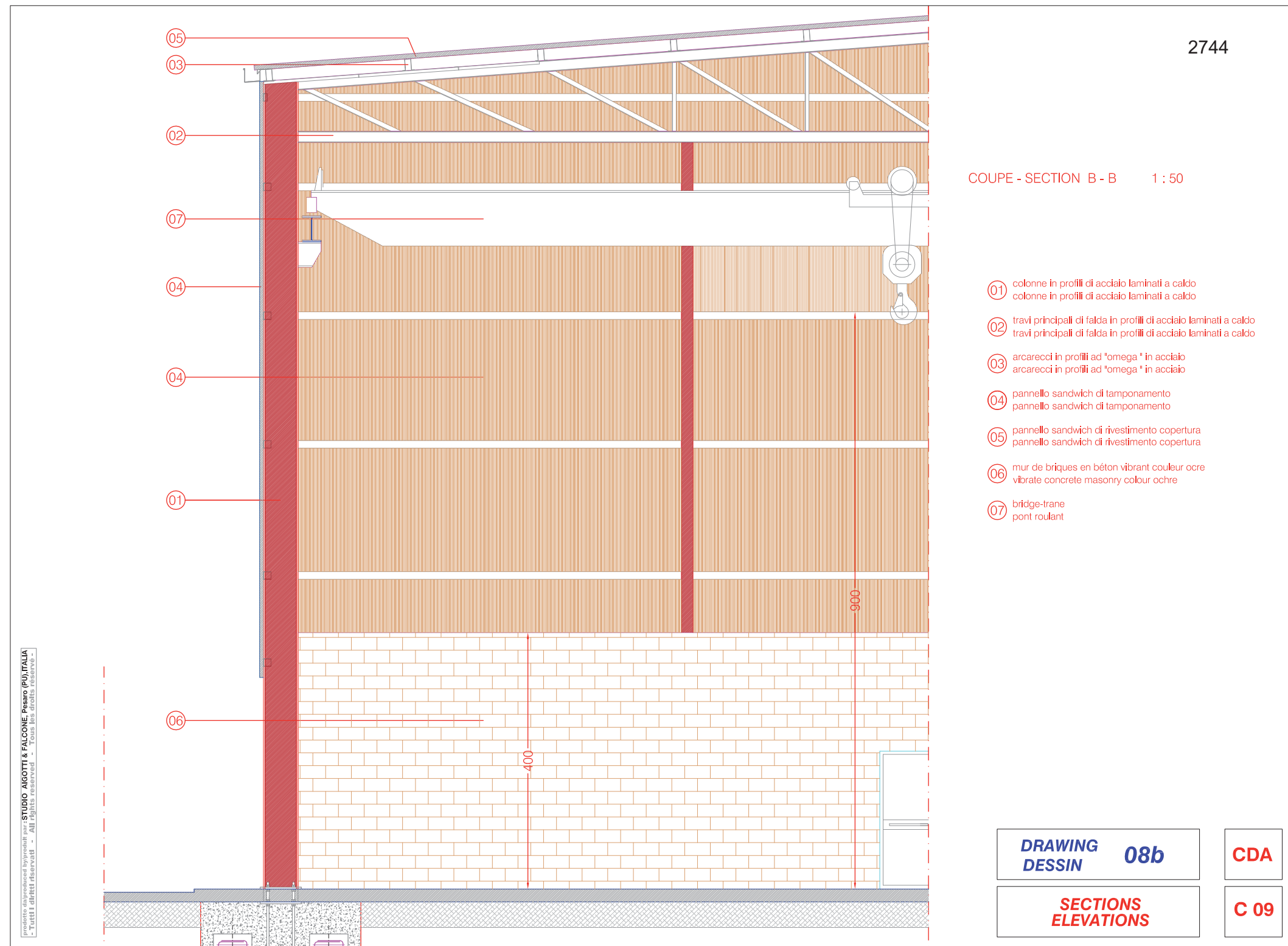
DRAWING
DESSIN 08a

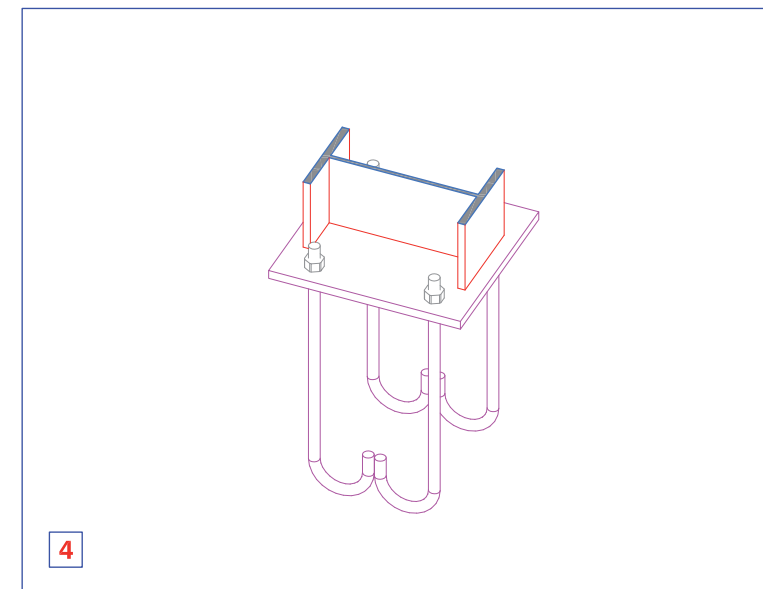
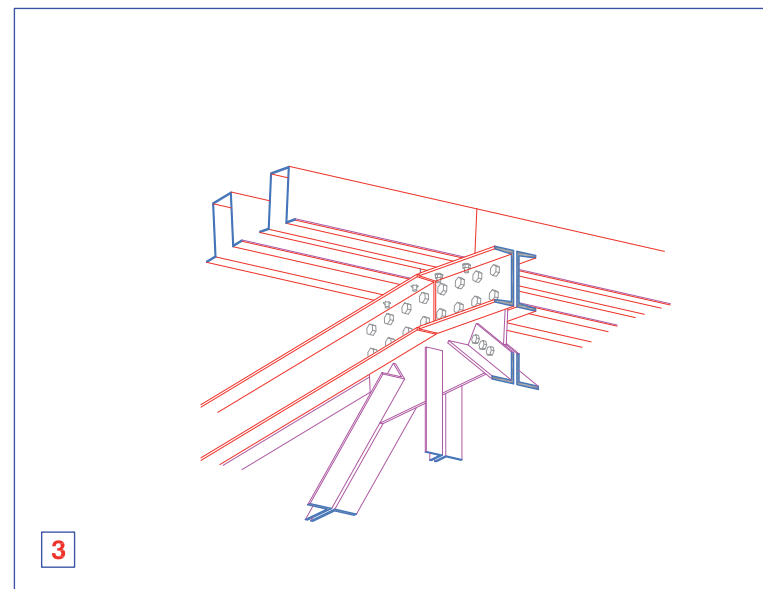
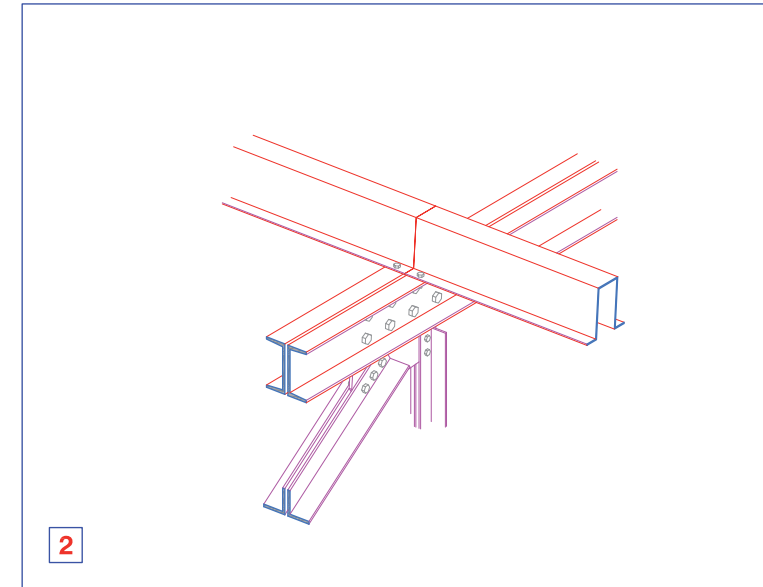
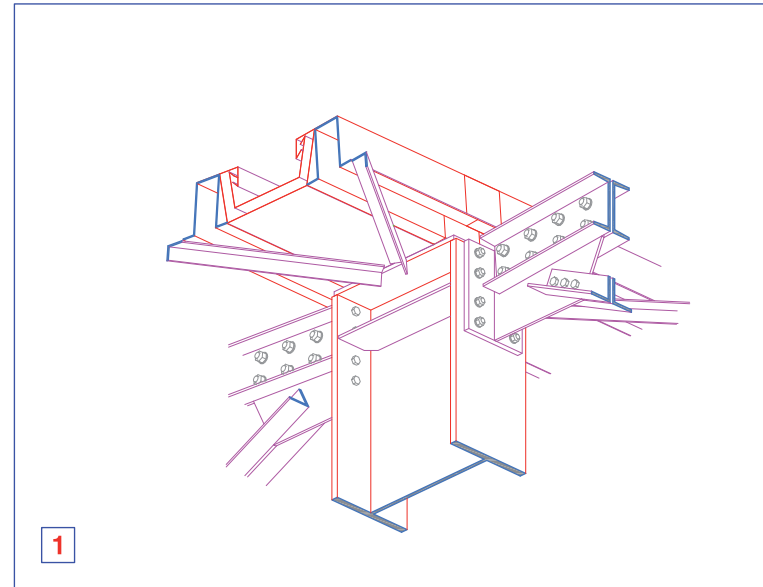
CDA

SECTIONS
ELEVATIONS

C 09



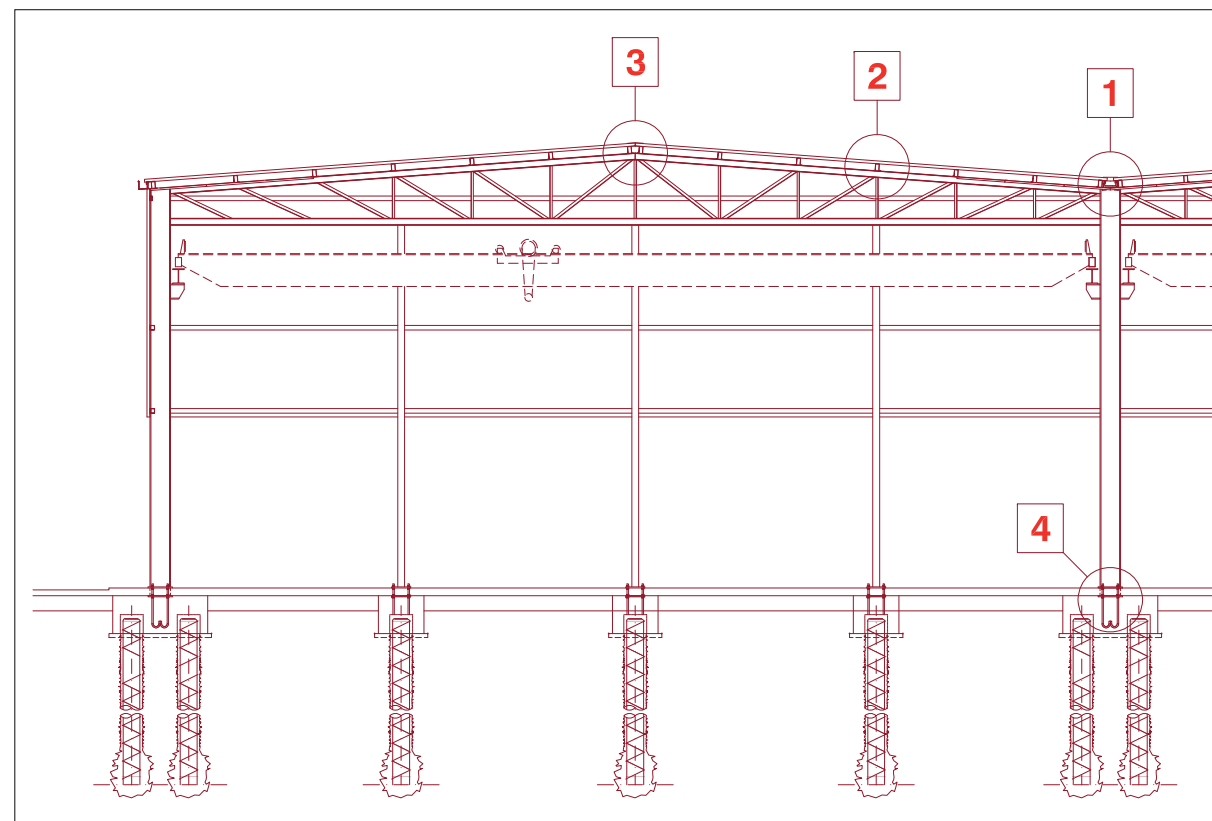




DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A1

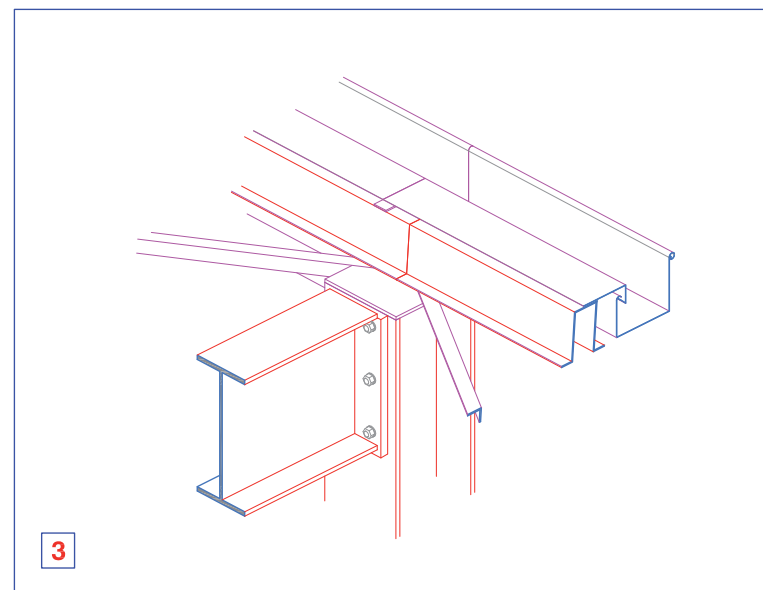
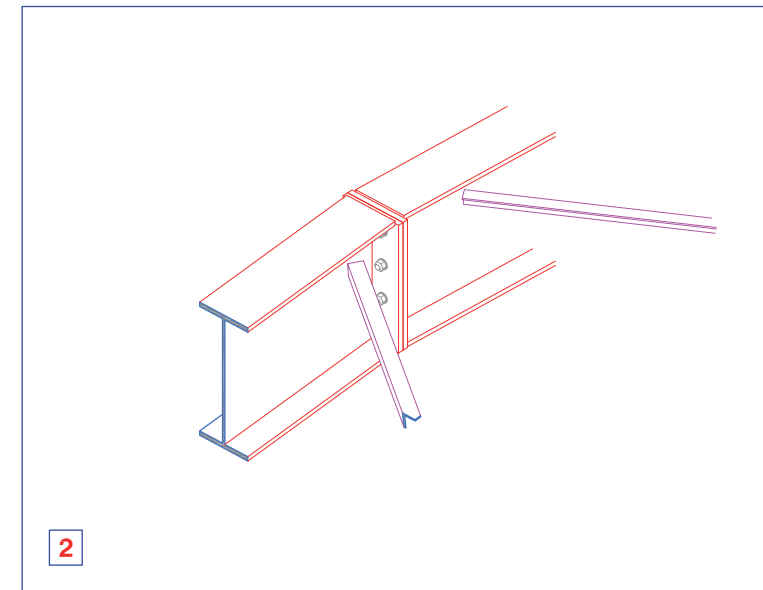
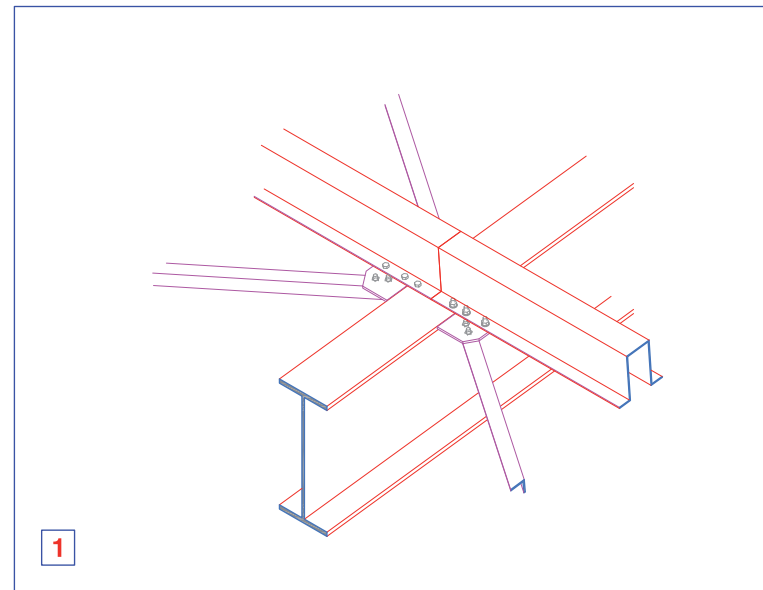
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A

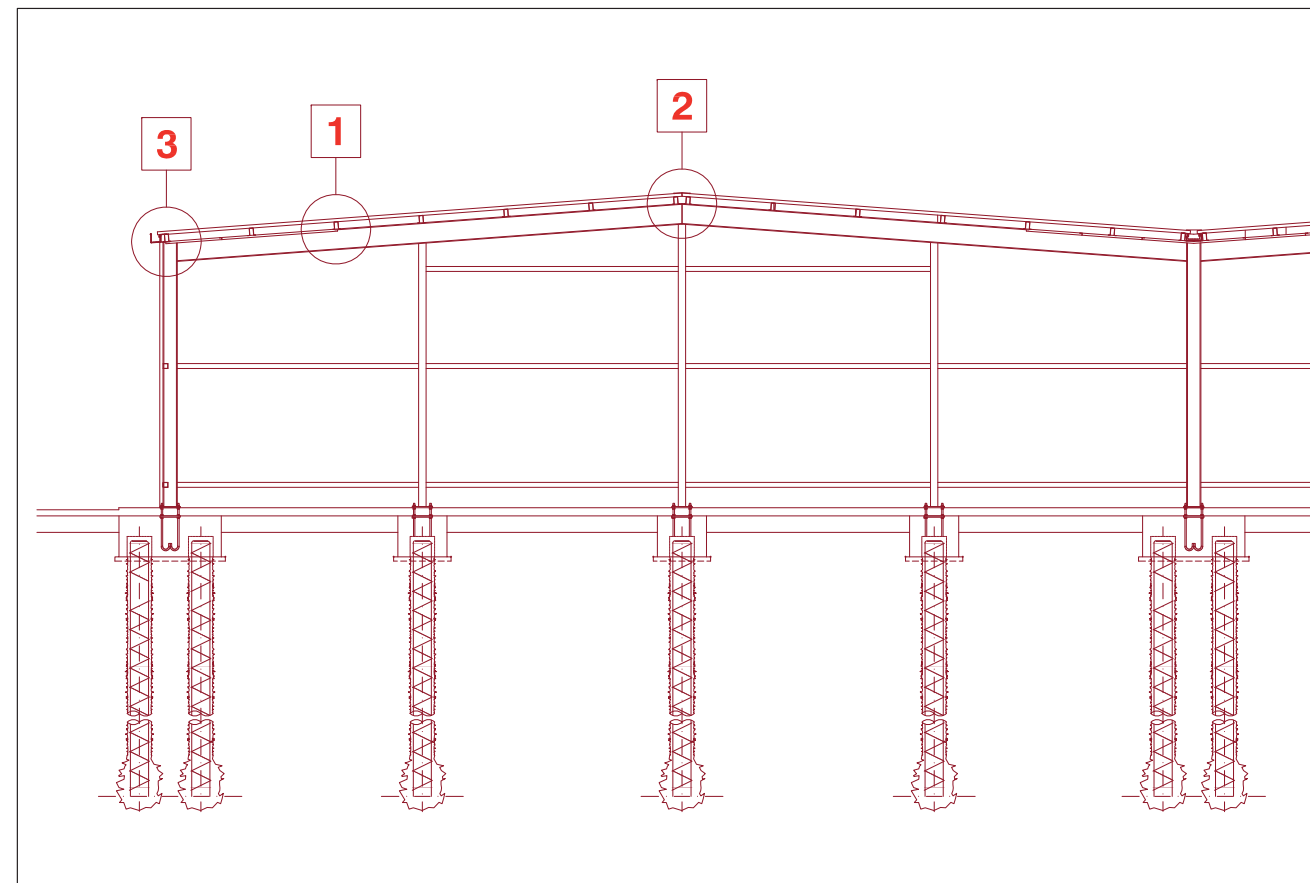
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

B1

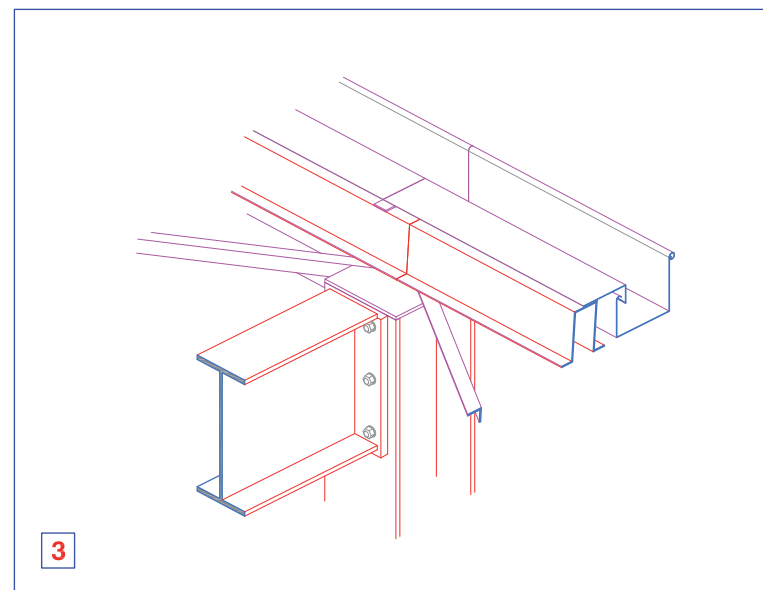
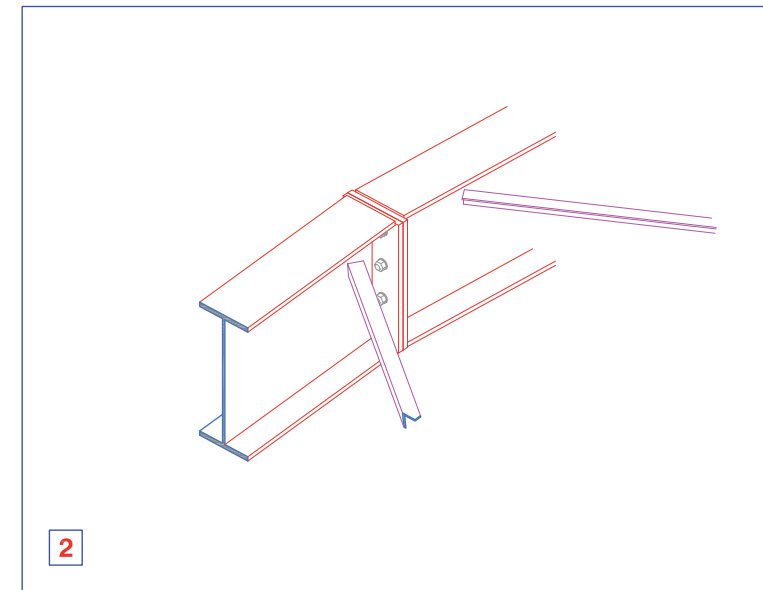
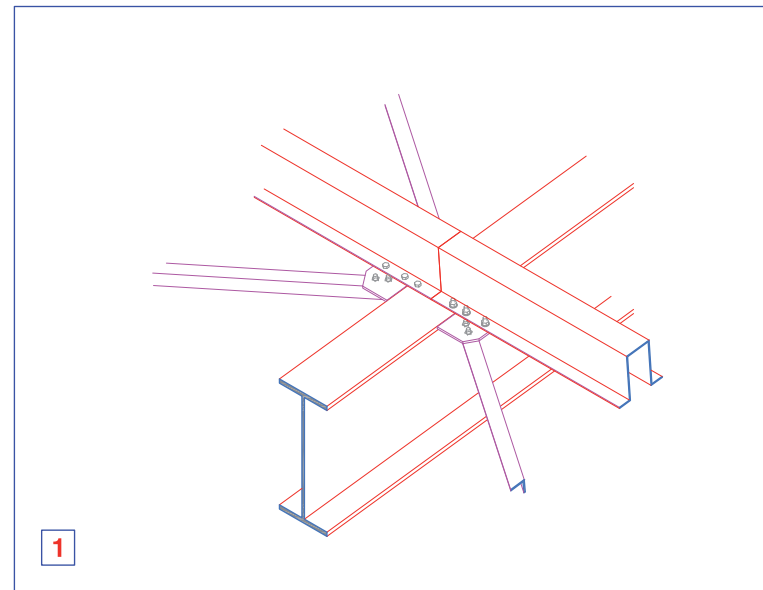
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

B

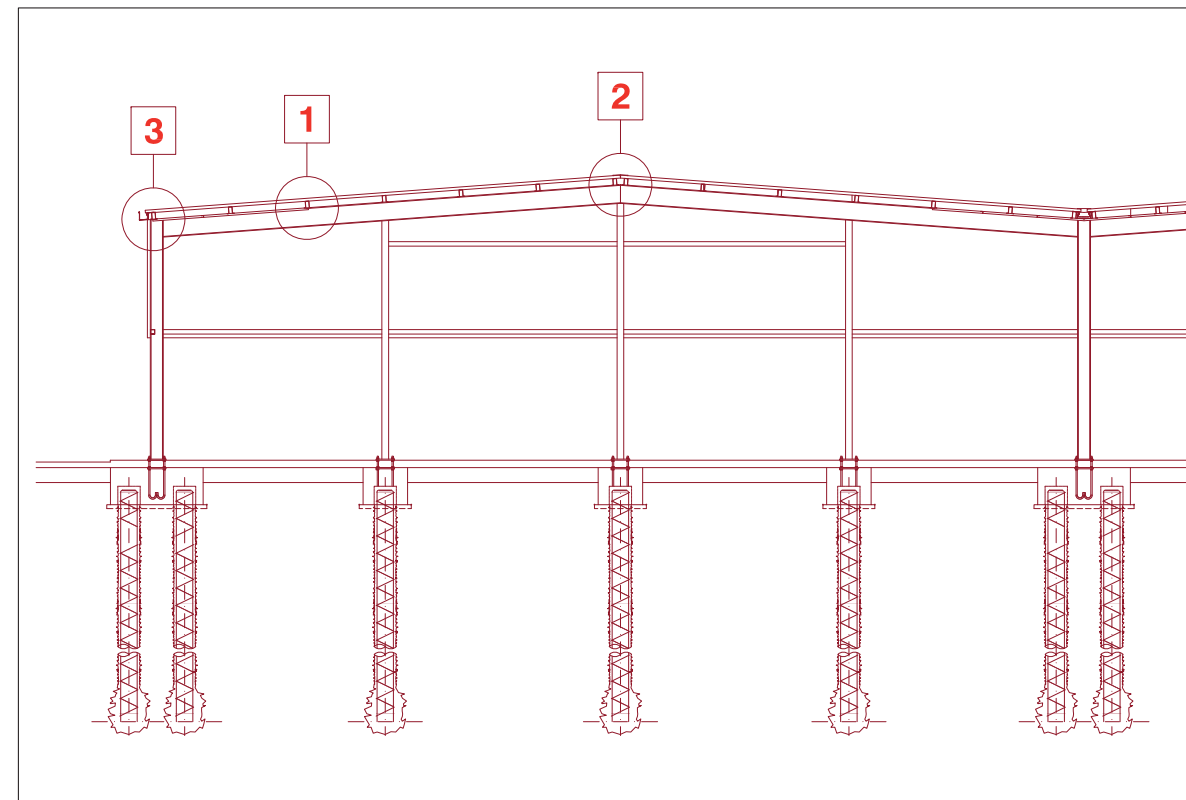
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**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

C1

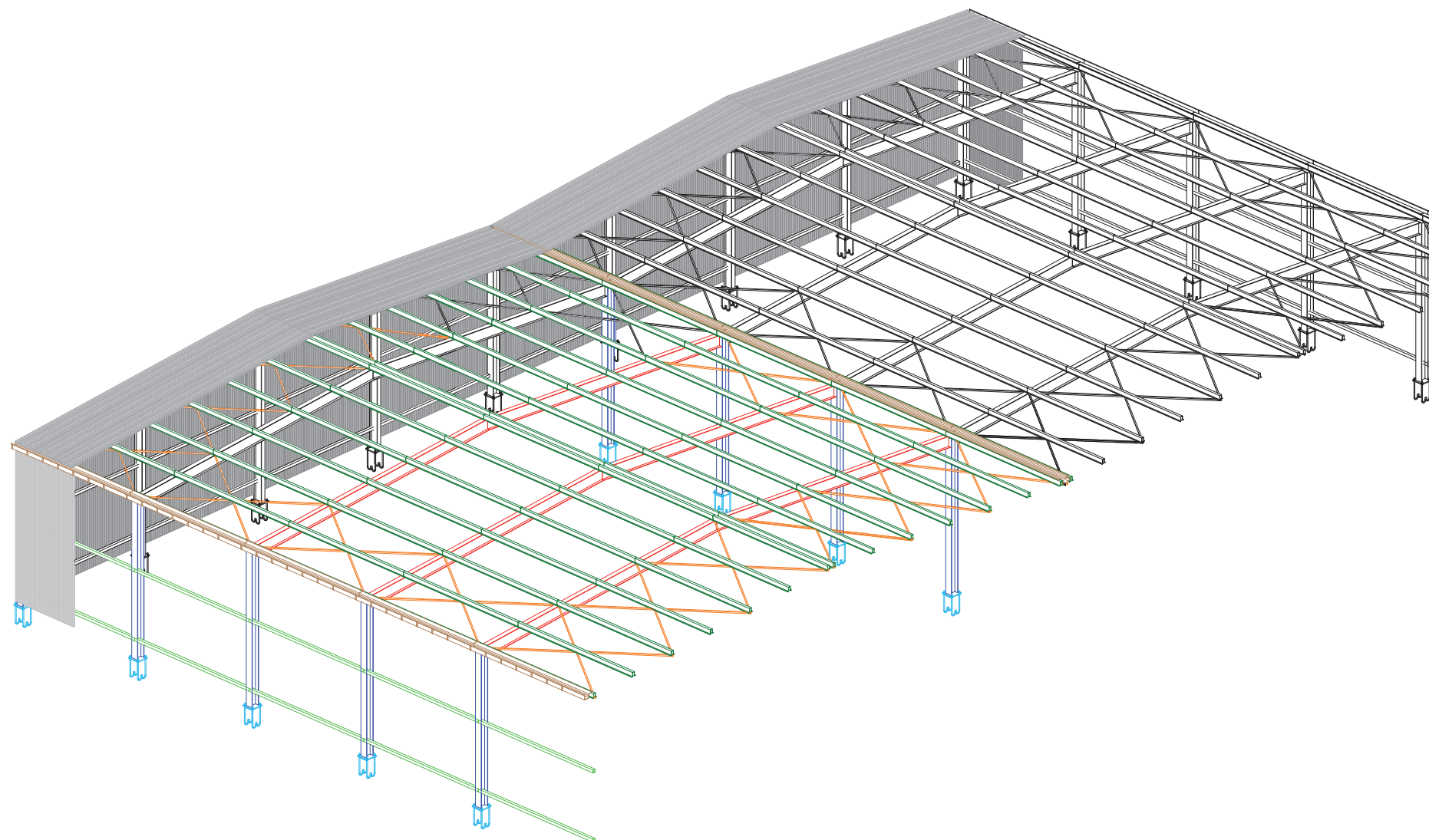
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

C

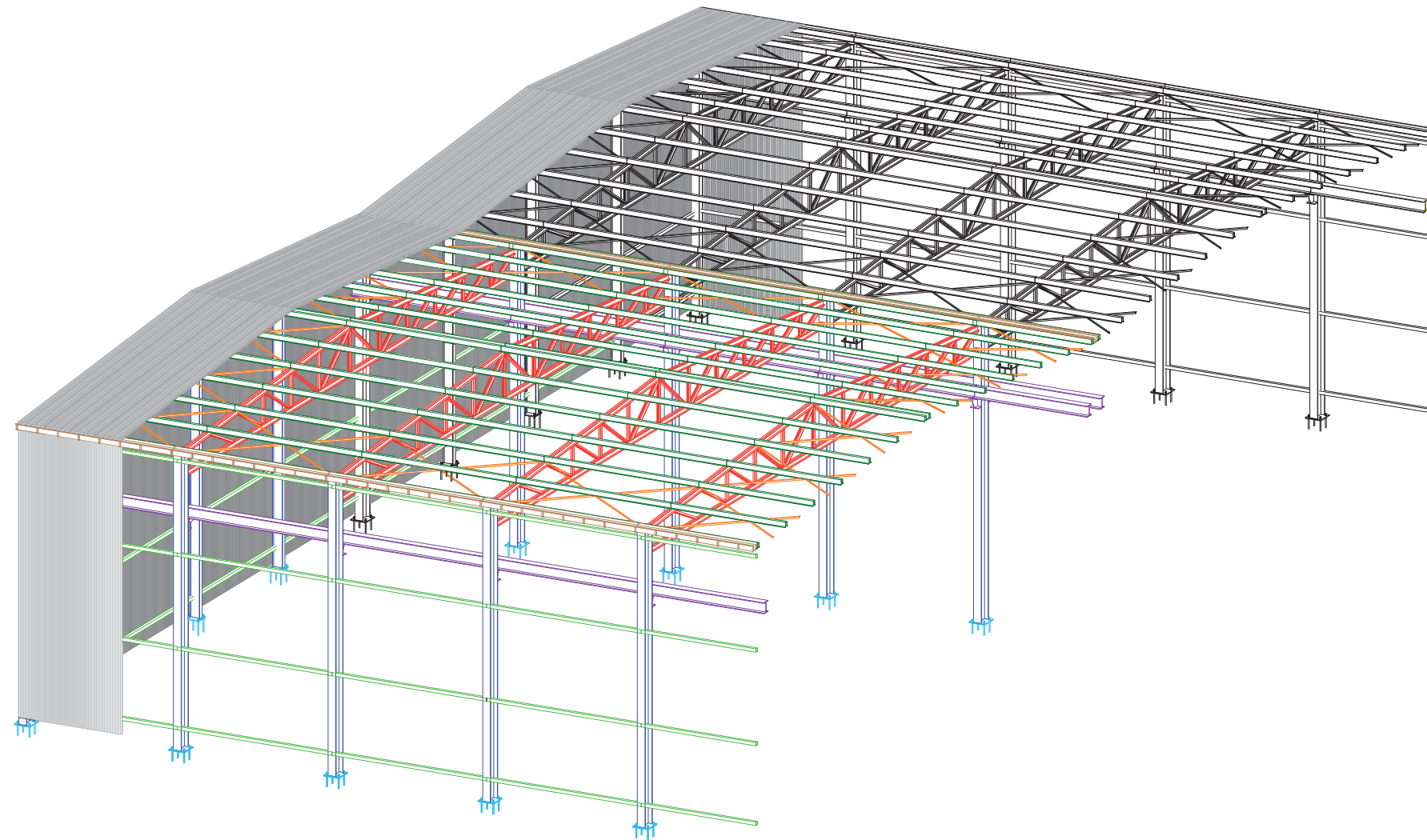
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

D

CDA

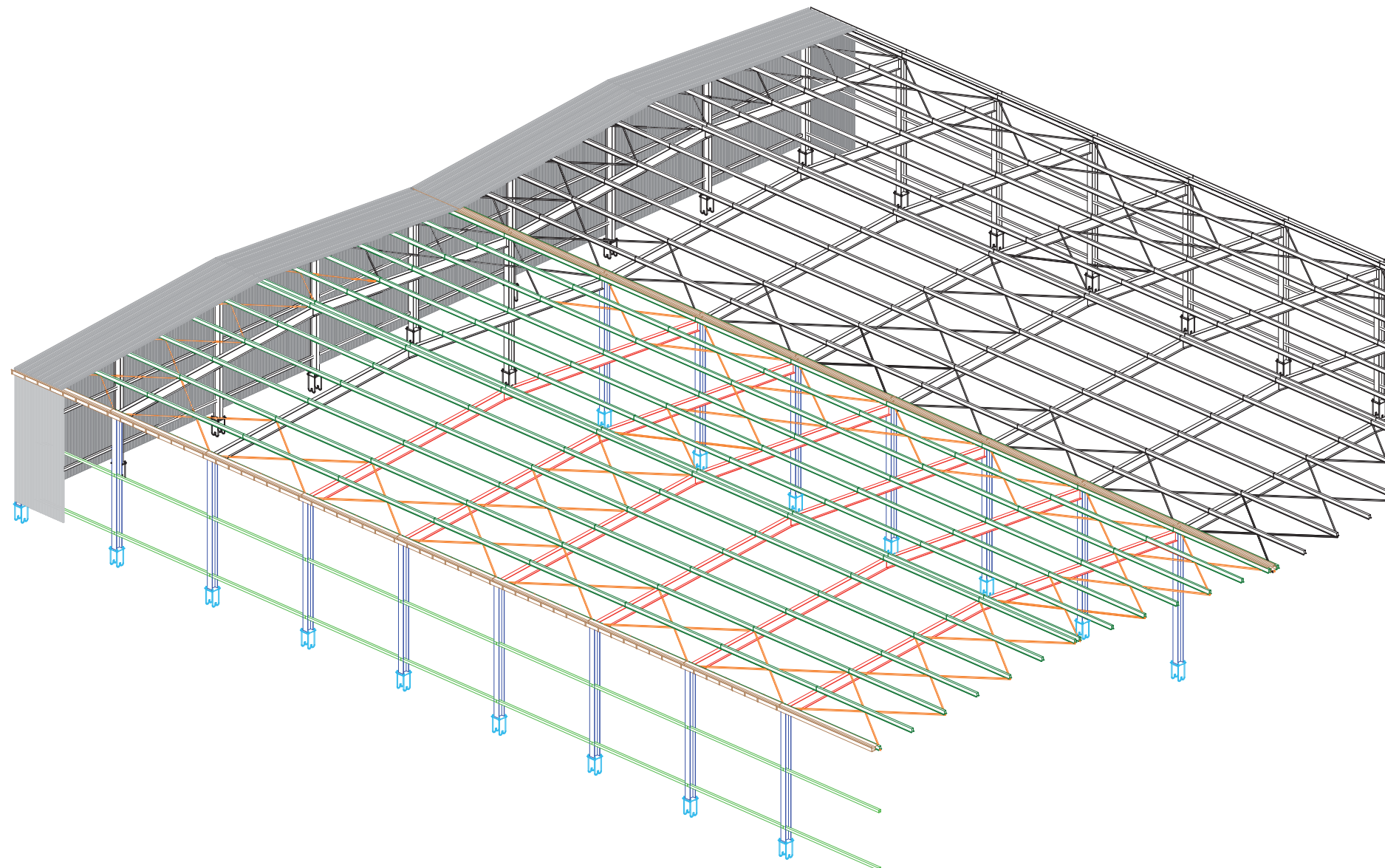


DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

E

CDA





DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

F

CDA

GRUPPO MAS									
LOTTO		ALFREDO	SISTEMAZIONI	PAESE	COSTA D'AVORIO	UNICA			
50			ESTERNE		SOCIETA'	T&P COBBER CASSAN			
PARAMETRI SIGNIFICATIVI									
N. CADICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN.	IMPORTO		CAPITOLO		%
SCAVI									
1	02.01.01a	Scavi a sezione obbligata, etc.	mc.	1.034,44	11,44	11.833,99			
2	02.02.01a	Reinerti , etc.	mc.	1.078,21	6,14	6.620,21			
3	02.02.03b	Fornitura, stesa e cilindatura, etc.	mc.	6.720,60	18,59	124.936,01			
		TOTALE CAPITOLO			143.990,21	143.990,21		9,35	
CALCESTRUZZI-ACCIAIO-CASSERI									
4	03.01.09a	Calcestruzzo per magroni, etc..	mc.	106,64	75,07	8.005,46			
5	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	365,96	94,36	33.550,64			
6	12.01.01	Additivo antirientiti	kg.	7.253,94	5,00	36.269,72			
7	03.04.01b	Acciaio FeB44K	kg.	21.333,60	1,08	23.040,29			
8	3.04.02	Rele elettrosaldati, etc.	kg.	176.975,88	1,32	233.608,16			
9	03.01.11a	Cassetformi in legno, etc.	mq.	301,44	21,69	6.538,23			
		TOTALE CAPITOLO			341.012,50	341.012,50		22,23	
PAVIMENTI E RIVESTIMENTI									
10	12.01.04a	Pavimento industriale	mq.	22.402,01	28,40	636.217,08			
11	12.01.04b	Trattamento antipolvere, etc.	mq.	22.402,01	3,46	77.510,95			
		TOTALE CAPITOLO			713.728,04	713.728,04		46,53	
CANCELLI									
12	12.01.11	Cancelli scorrevoli in ferro, etc compresa automazione	kg.	6.289,80	3,00	18.869,40			
		TOTALE CAPITOLO			18.869,40	18.869,40		1,23	
SISTEMAZIONE AREE VERDI									
13	14.01.01	Stesa e modellazione terra di coltivo, etc	mc.	11.256,41	26,25	295.480,76			
14	14.01.02	Aralura meccanica, etc..	mq.	11.256,41	0,315	3.545,77			
15	14.01.03	Vangatura meccanica, etc..	mq.	11.256,41	0,222	2.498,92			
16	14.01.04	Messa a dimora piante, etc..	cad.	90	100,00	9.000,00			
17	14.01.05	Formazione di prato, etc., compreso seme	mq.	1.814,06	3,00	5.442,18			
18	14.01.06	Concimazione piante, etc.	cad.	90	0,60	54,00			
19	14.01.07	Concimazione prato, etc..	mq.	1.814,06	0,52	943,31			
		TOTALE CAPITOLO			316.964,95	316.964,95		20,66	
		TOTALE LAVORI			1.533.965,10	1.533.965,10		100	

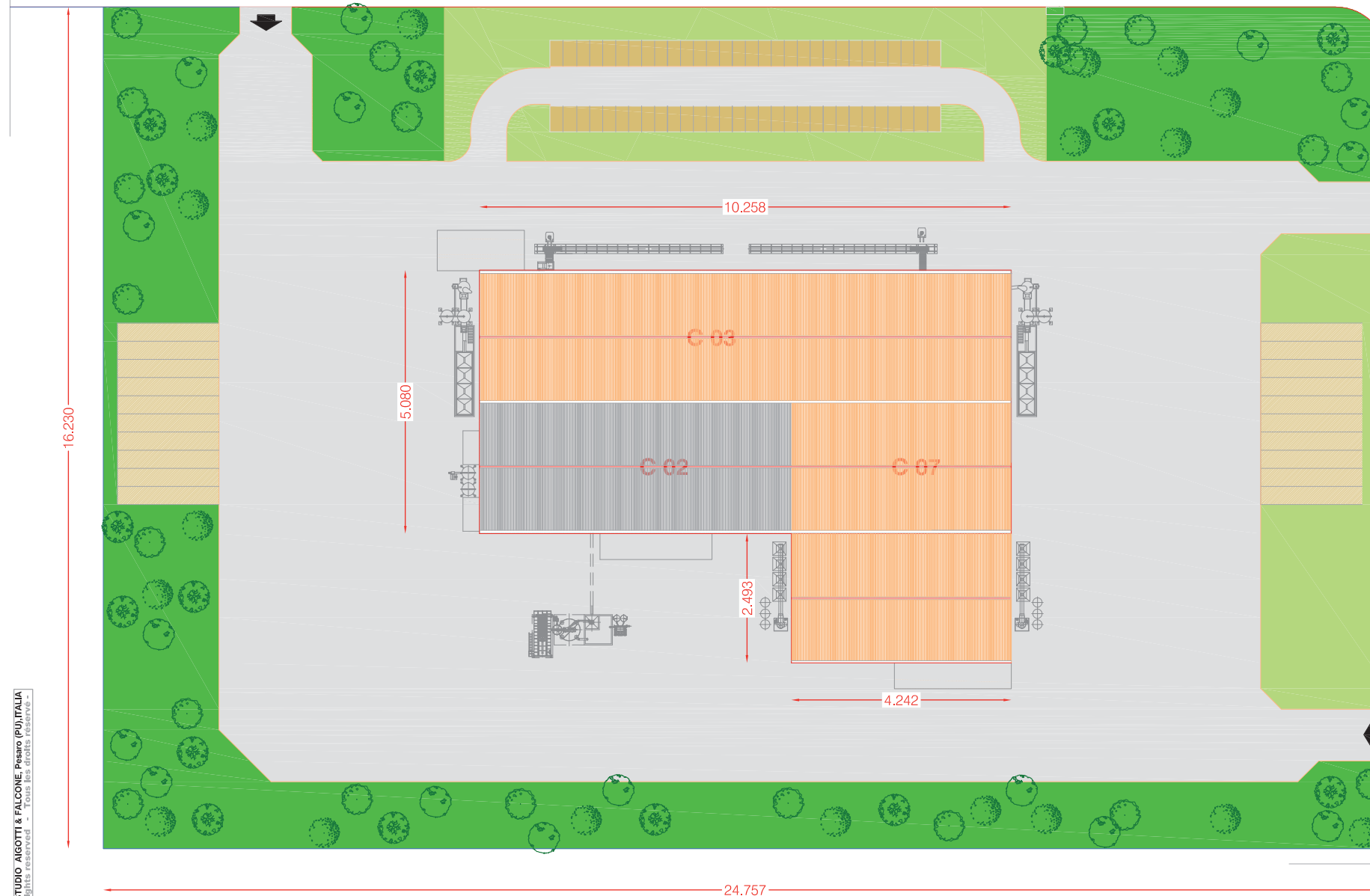
QUADRO RIEPILOGATIVO		T&P COBBER CASSANI
COSTO TOTALE	Euro	1.533.965,10
TOTALE AREE ESTERNE	mq.	33.658,42
COSTO MEDIO	Euro/m	45,57



GRUPPO MAS									
LOTTO		1		PAESE	COSTA D'AVORIO		PROGR.	1	
50		TIPOLOGIA CAPANNONE		UNICO	CAPANNONI UGUALI		1	SOC. T&P COBBER CASSAN	
STIMA DEI LAVORI									
N.	CODICE ART.	DESCRIZIONE SINTETICA	U.M	Q.TA'	PR. UN. EURO	IMPORTO EURO	CAPITOLO	%	
SCAVI									
1	02.01.01a	Scavi a sezione aperta, etc..	mc.	3.329,61	6,00	19.977,64			
2	02.01.05 a	Scavi a sezione obbligata, etc.	mc.	11.940,01	11,44	136.593,74			
3	02.02.01a	Reinterri , etc.	mc.	6.441,58	6,14	39.551,33			
4	03.01.01d	Palo trivellato	ml.	4.760,00	82,92	394.699,20			
5	02.02.03b	Fornitura, stesa e cilindratura, etc..	mc.	1.947,72	18,59	36.208,14			
		TOTALE CAPITOLO				627.030,04	627.030,04	35,15	
CALCESTRUZZI-ACCIAIO-CASSERI									
6	03.01.09a	Calcestruzzo per magroni, etc..	mc.	758,76	75,07	56.960,32			
7	03.01.10c	Calcestruzzo in fondazione, etc..	mc.	2.479,12	94,36	233.929,76			
8	12.01.01	Additivo antirimanti	kg.	451,27	5,00	2.256,35			
9	03.04.01b	Acciaio FeB44k	kg.	254.363,40	1,08	274.712,47			
10	3.04.02	Rete elettrosaldata, etc.	kg.	32.462,02	1,32	42.849,87			
11	12.01.02	Ferri a U, chiusura pannelli, etc.	Kg.	0,00	2,00	0,00			
12	03.01.11a	Casseformi in legno, etc.	mq.	5.643,49	21,69	122.407,21			
		TOTALE CAPITOLO				733.115,98	733.115,98	41,10	
MURATURE-TAVOLATI-DIVISIONI INTERNE									
13	05.01.09b	Muratura in blocchi di cls, spess. 15 cm etc..	mq.	237,84	21,04	5.004,15			
14	05.01.09c	Muratura in blocchi di cls, spess. 20 cm etc..	mq.	772,72	22,38	17.293,47			
15	05.01.09.d	Muratura in blocchi di cls, spess. 25 cm etc..	mc.	0,00	186,14	0,00			
		TOTALE CAPITOLO				22.297,63	22.297,63	1,25	
INTONACI									
16	07.01.02c	Intonaco rustico, su pareti in forati	mq.	316,15	17,56	5.551,59			
17	07.01.03c	Intonaco a civile	mq.	932,25	18,74	17.470,37			
		TOTALE CAPITOLO				23.021,96	23.021,96	1,29	
VESPAI									
18	12.01.03	Vespai con igloo, etc.	mq.	351,74	55,20	19.416,05			
		TOTALE CAPITOLO				19.416,05	19.416,05	1,09	
PAVIMENTI E RIVESTIMENTI									
19	12.01.04a	Pavimento industriale	mq.	6.492,40	28,40	184.384,27			
20	12.01.04b	Trattamento antipolvere, etc.	mq.	6.492,40	3,46	22.463,72			
21	3.02.10	Sottotondi, etc..	mq.	351,74	11,75	4.132,95			
22	08.01.18d	Piastrelle in gres, etc..	mq.	667,89	25,00	16.697,25			
23	07.02.03b	Controsoffitto, etc..	mq.	351,74	32,48	11.424,52			
		TOTALE CAPITOLO				239.102,70	239.102,70	13,40	

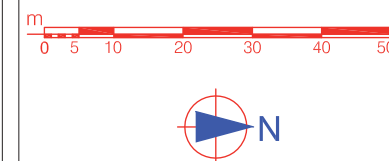


QUADRO RIEPILOGATIVO			
COSTO CAPANNONE	Euro	1.783,725,36	
SUPERFICIE CAPANNONE	mq.	6.492,40	
COSTO MEDIO	Euro/mq.	274,74	



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- | | | | |
|---|--|--|--|
|  délimitation du lot
plot limits |  zone plantée d'arbres
planted area |  place
square |  area stockage final product
area stockage produit finis |
|  réseau routier extérieur et intérieur
internal and external road network |  gazon
grass area |  car parks
parking | |



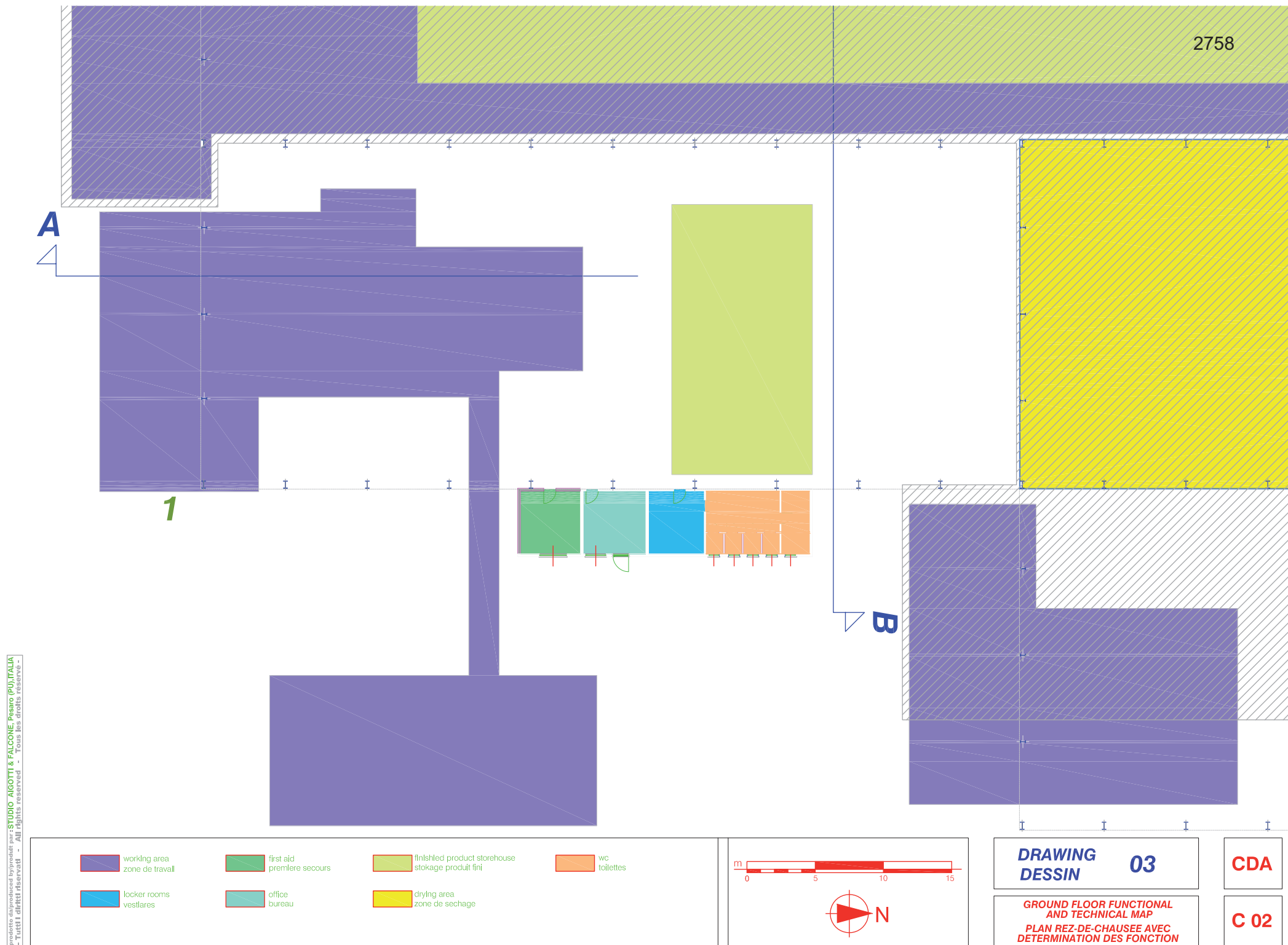
DRAWING
DESSIN **02**

LOT LAY-OUT MAP
PLANIMETRIE LOT

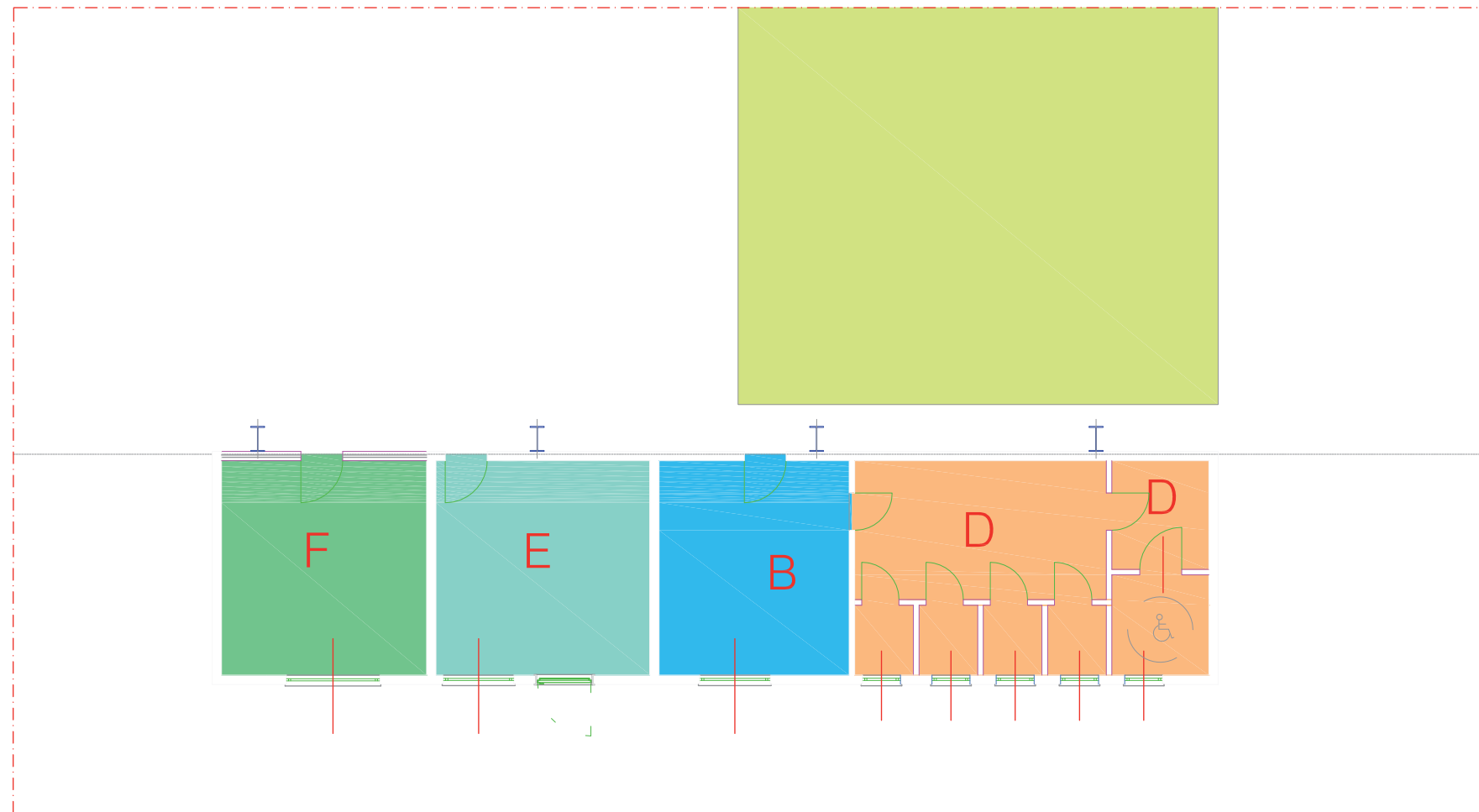
CDA

C 02



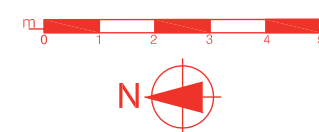






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 working area zone de travail	 first aid premi��re secours	 finished product storehouse stockage produit fini
 locker rooms vestiaires	 office bureau	 wc toilettes



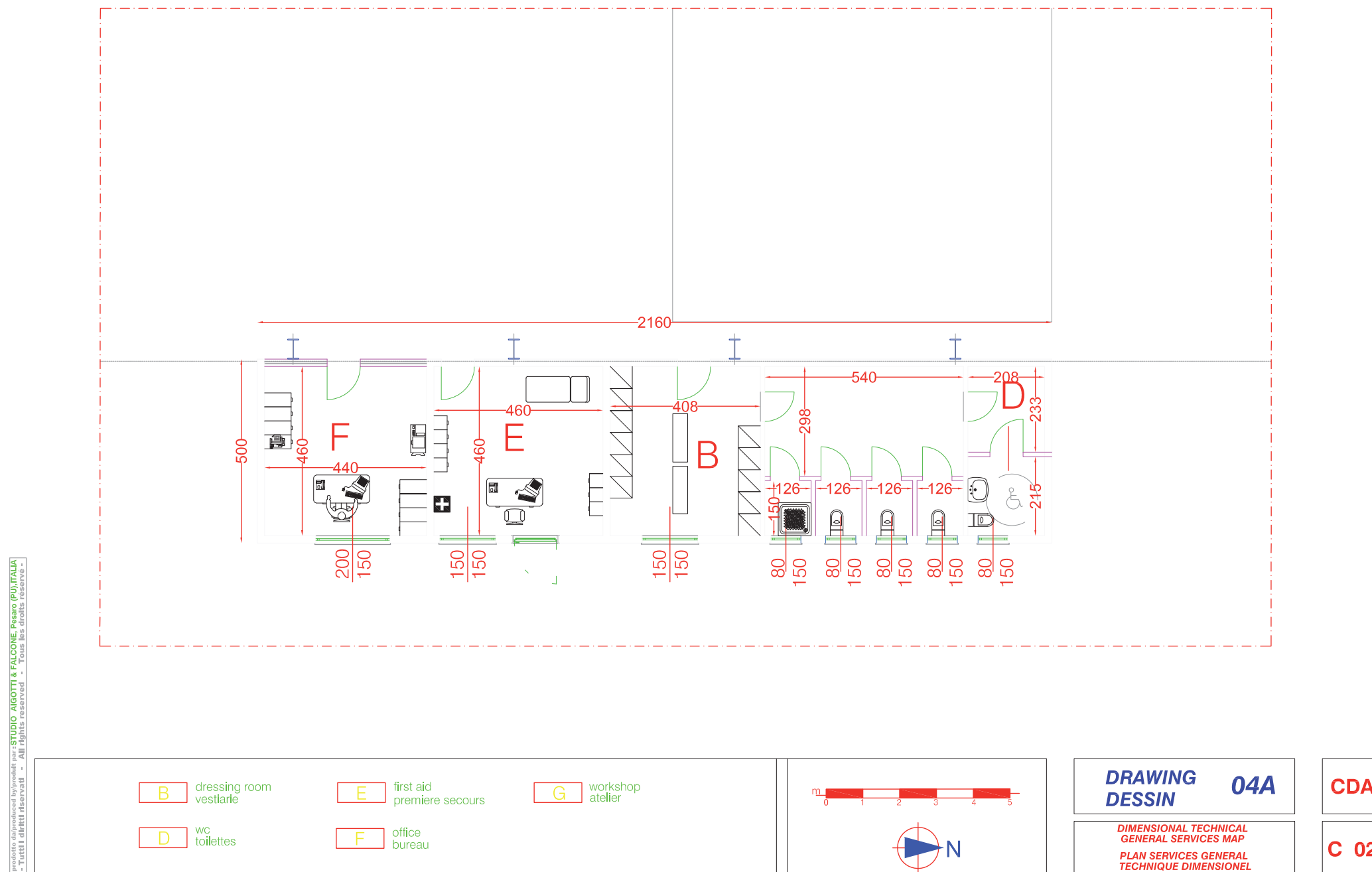
DRAWING
DESSIN **04**

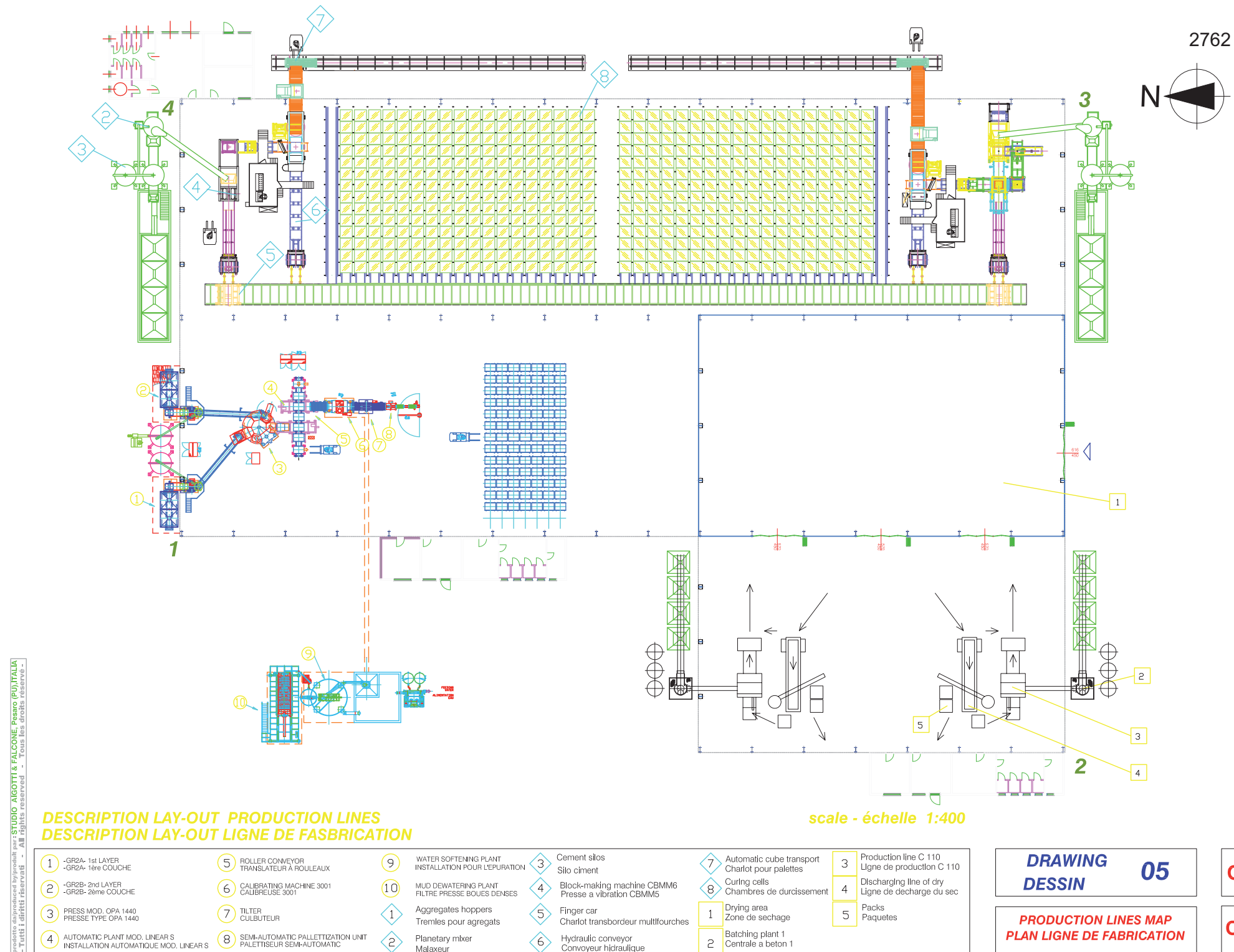
GENERAL SERVICES MAP
WITH AREA FUNCTION
PLAN REZ-DE-CHAUS  E
AVEC D  TERMINATION DE FONCTION

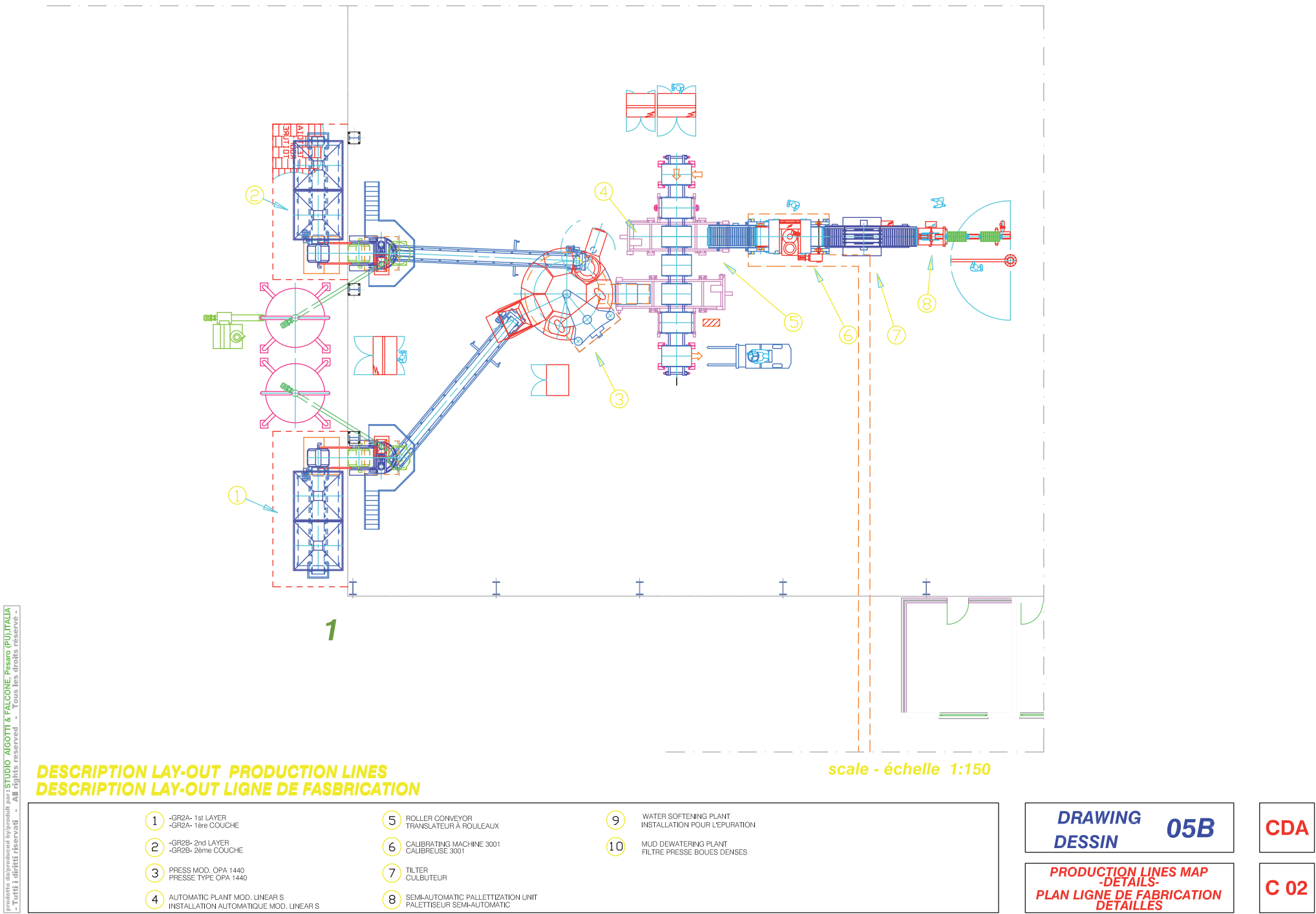
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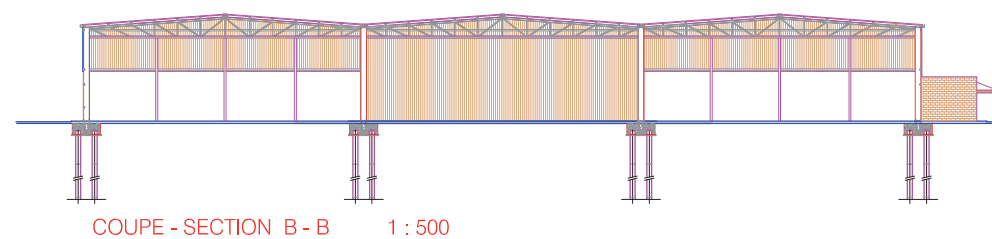
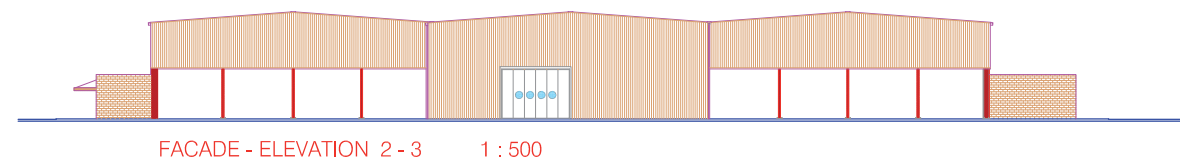
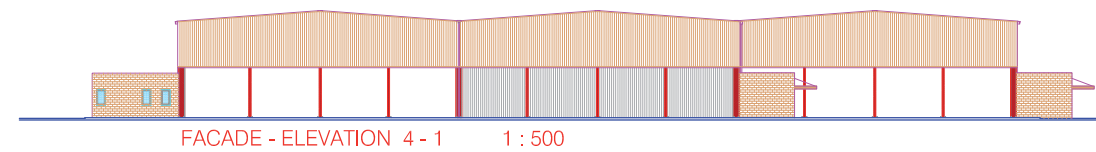
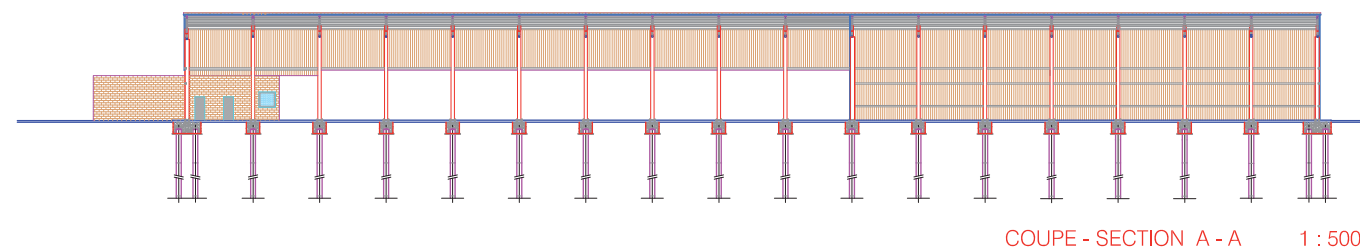
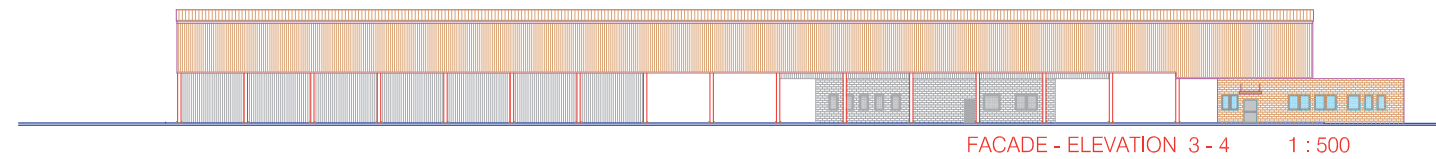
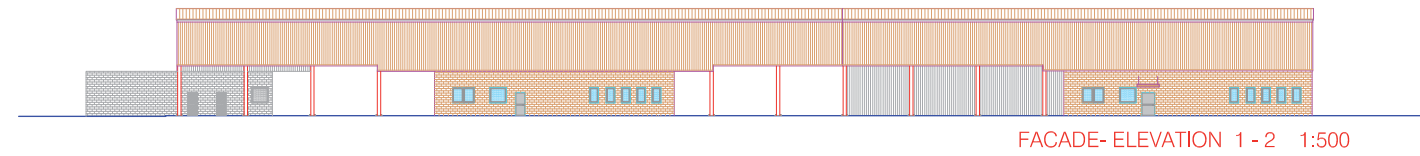
C 02











**DRAWING
DESSIN** 06

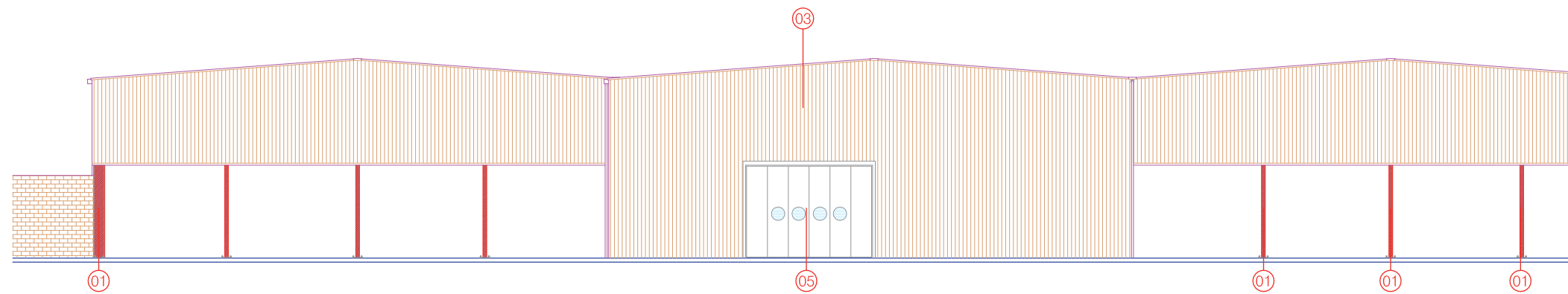
**PROSPECTS AND CROSS SECTIONS
PSPECTUS ET SECTIONS**

CDA

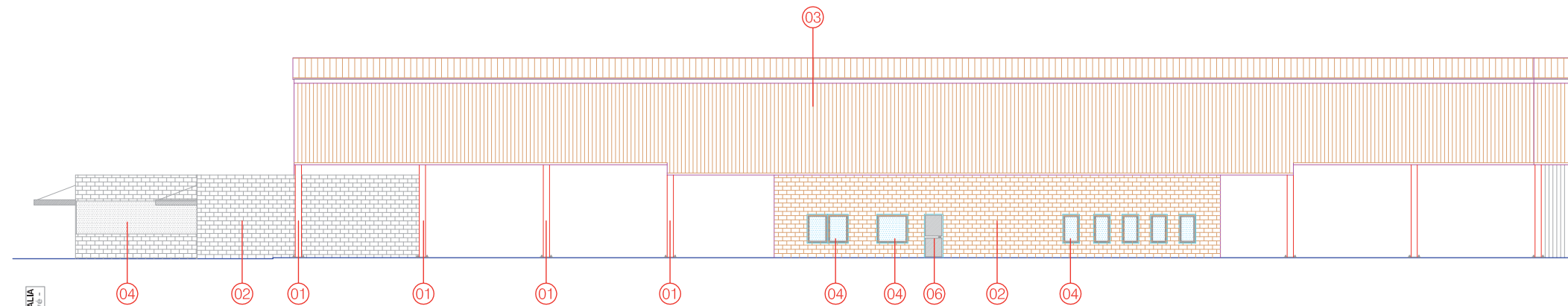
C 02

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FACADE - ELEVATION 2 - 3 1 : 200



FACADE - ELEVATION 4 - 1 1:200

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- | | |
|--|---|
| ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo | ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing |
| ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre | ⑤ fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre |
| ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation | ⑥ lateral sliding aluminium door
porte d'aluminium à la partie latérale glissant |
| | ⑥ multi function metallic and glass door with
antipanic handle
porte métallique et de verre multi-fonction
avec la poignée antipanic |

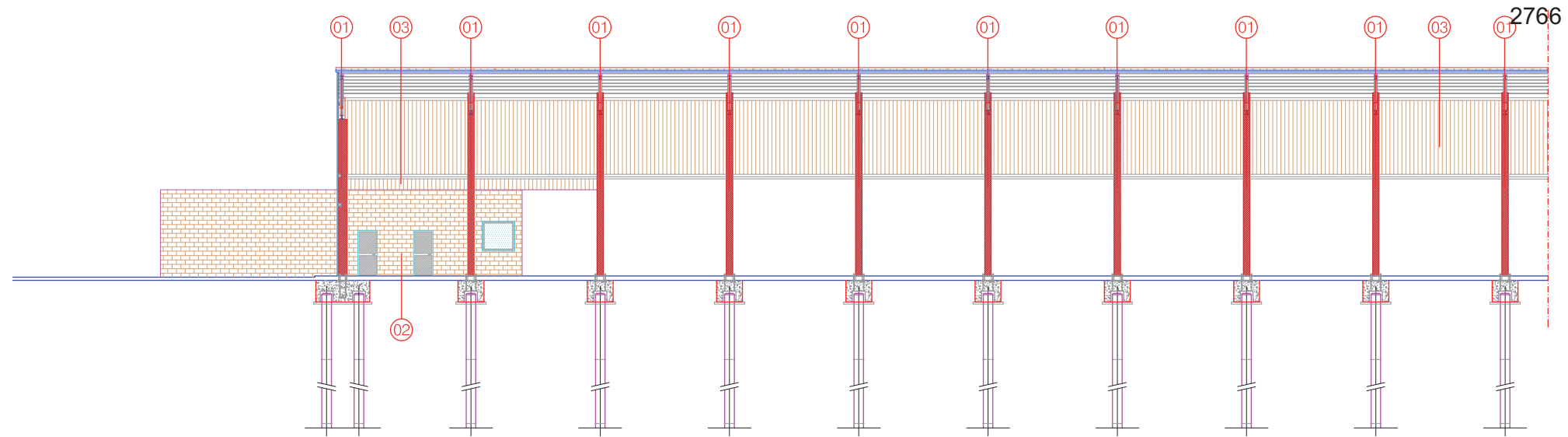
DRAWING
DESSIN 07a

CDA

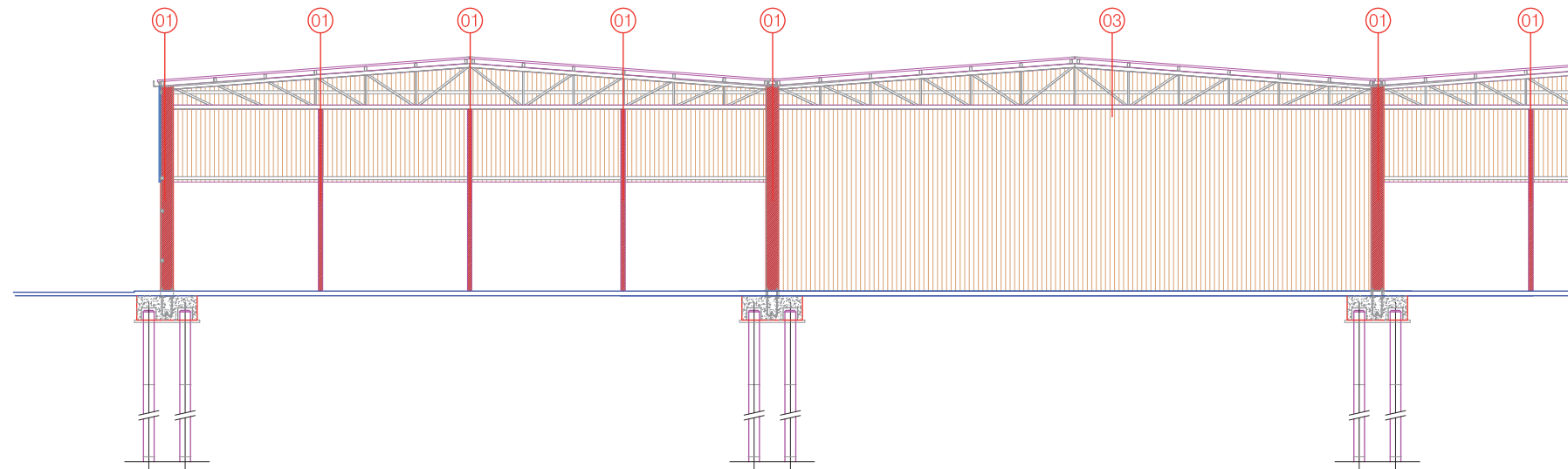
COUPES
FACADES

C 02





COUPE - SECTION A - A 1 : 200



COUPE - SECTION B - B 1 : 200

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- 03 panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation

DRAWING
DESSIN 07b

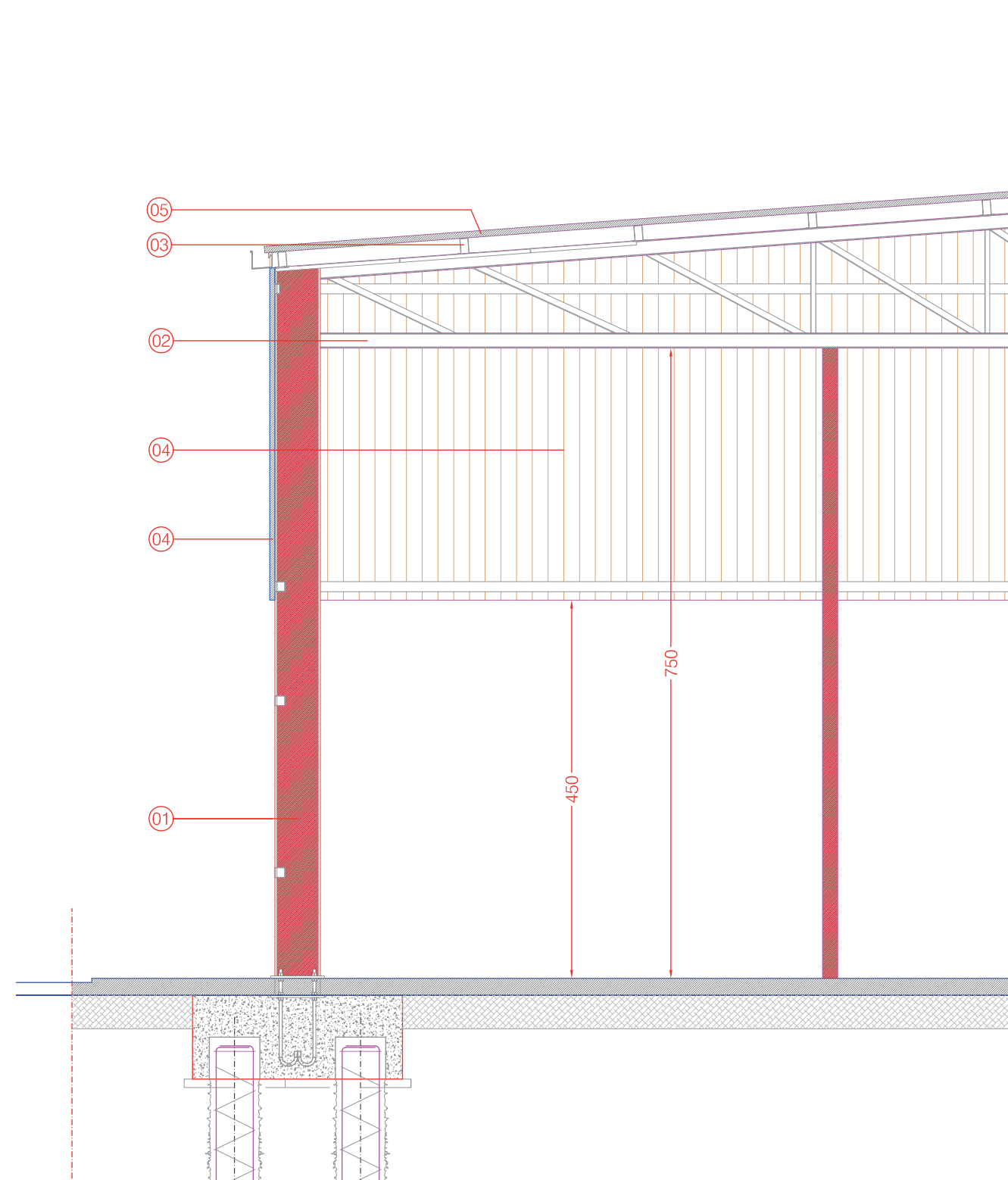
SECTIONS
ELEVATIONS

CDA

C 02



2767



COUPE - SECTION B - B 1 : 200

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

DRAWING
DESSIN 08a

PROSPECTS AND CROSS SECTIONS
PSOSPECTUS ET SECTIONS

CDA

C 02



2768

COUPE - SECTION A - A 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

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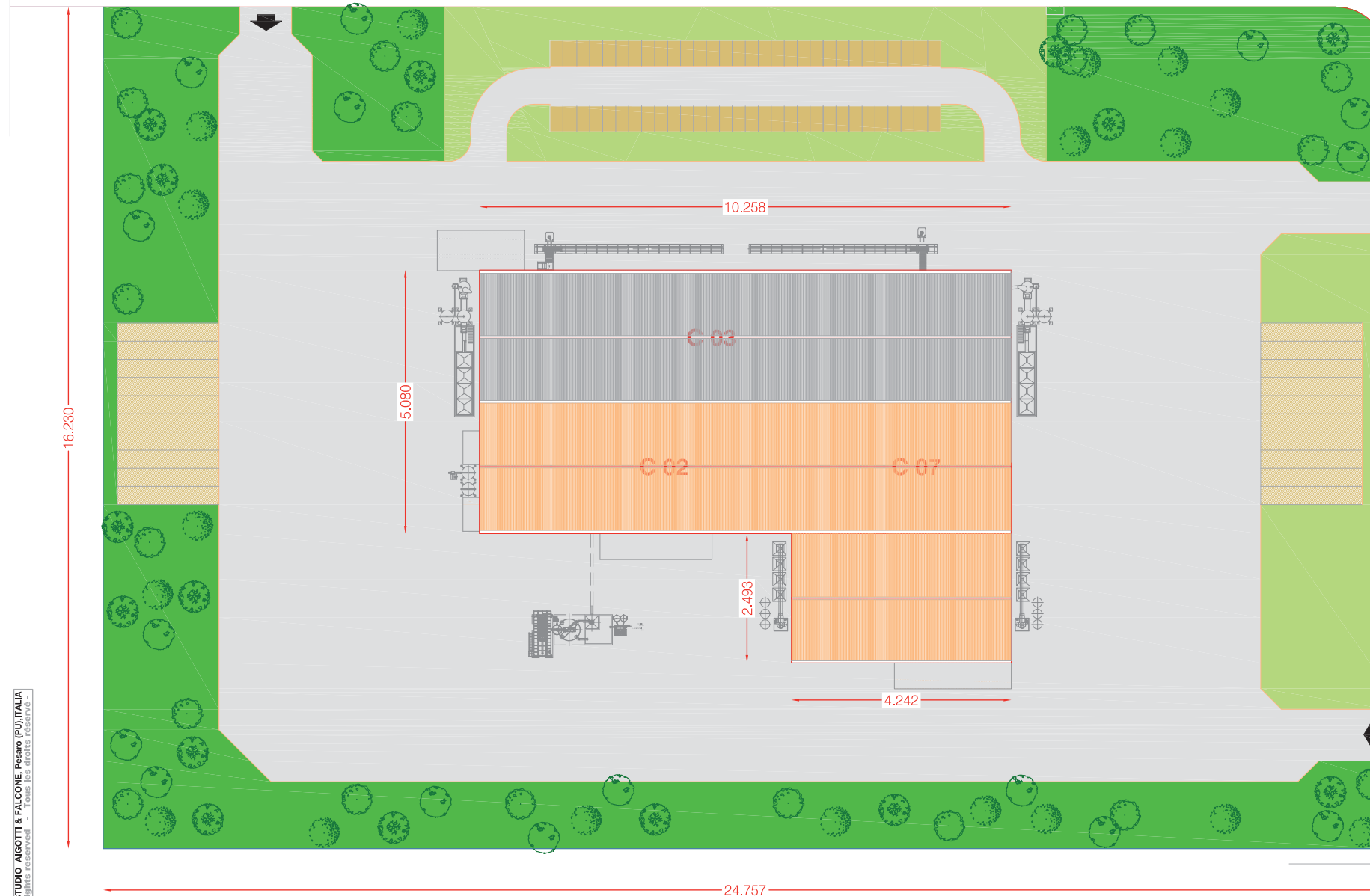
DRAWING
DESSIN 08b

PROSPECTS AND CROSS SECTIONS
PSPECTUS ET SECTIONS

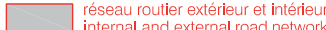
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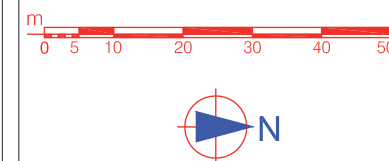
C 02





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- | | | | |
|---|--|--|--|
|  délimitation du lot
plot limits |  zone plantée d'arbres
planted area |  place
square |  area stockage final product
area stockage produit finis |
|  réseau routier extérieur et intérieur
internal and external road network |  gazon
grass area |  car parks
parking | |



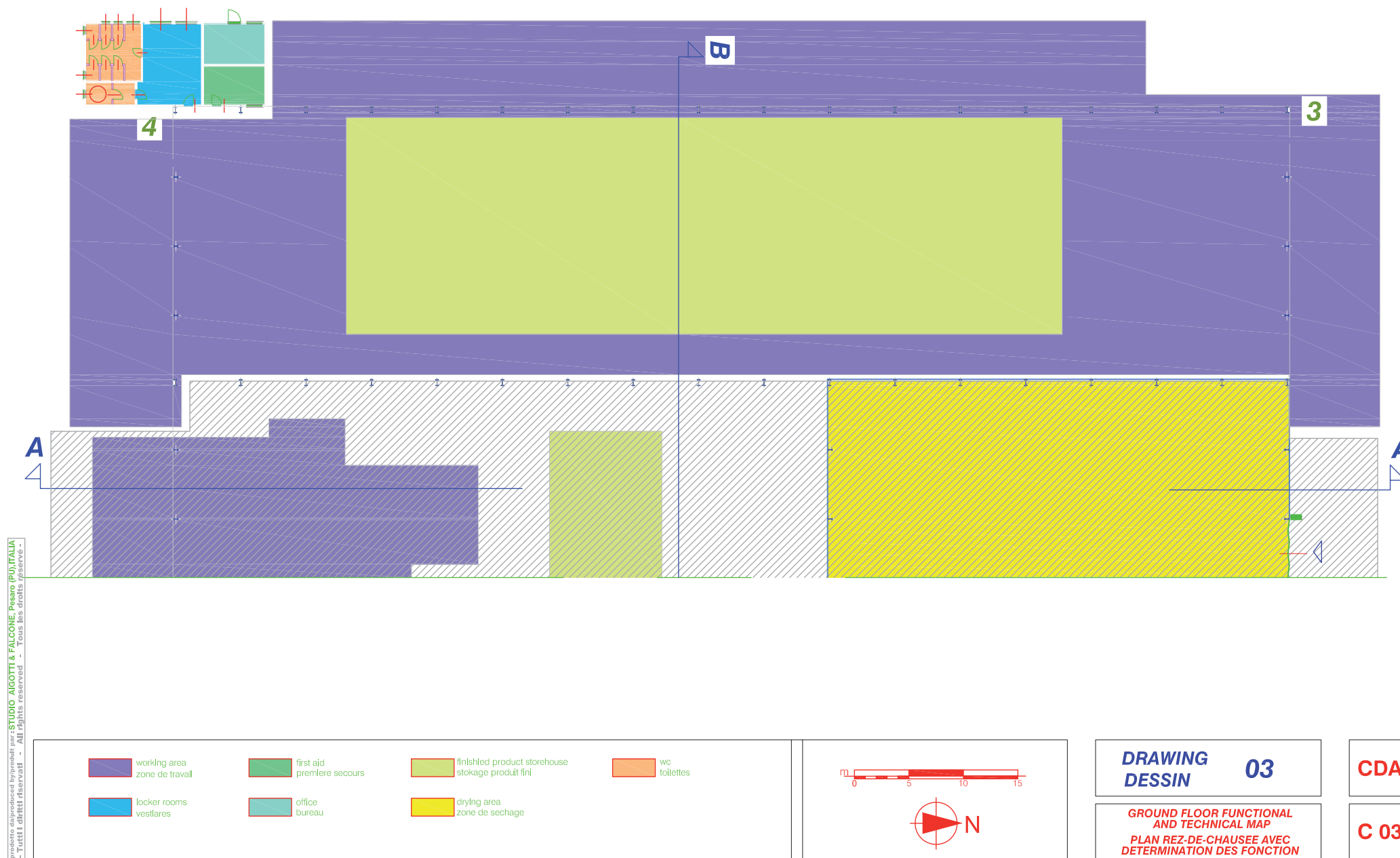
DRAWING
DESSIN **02**

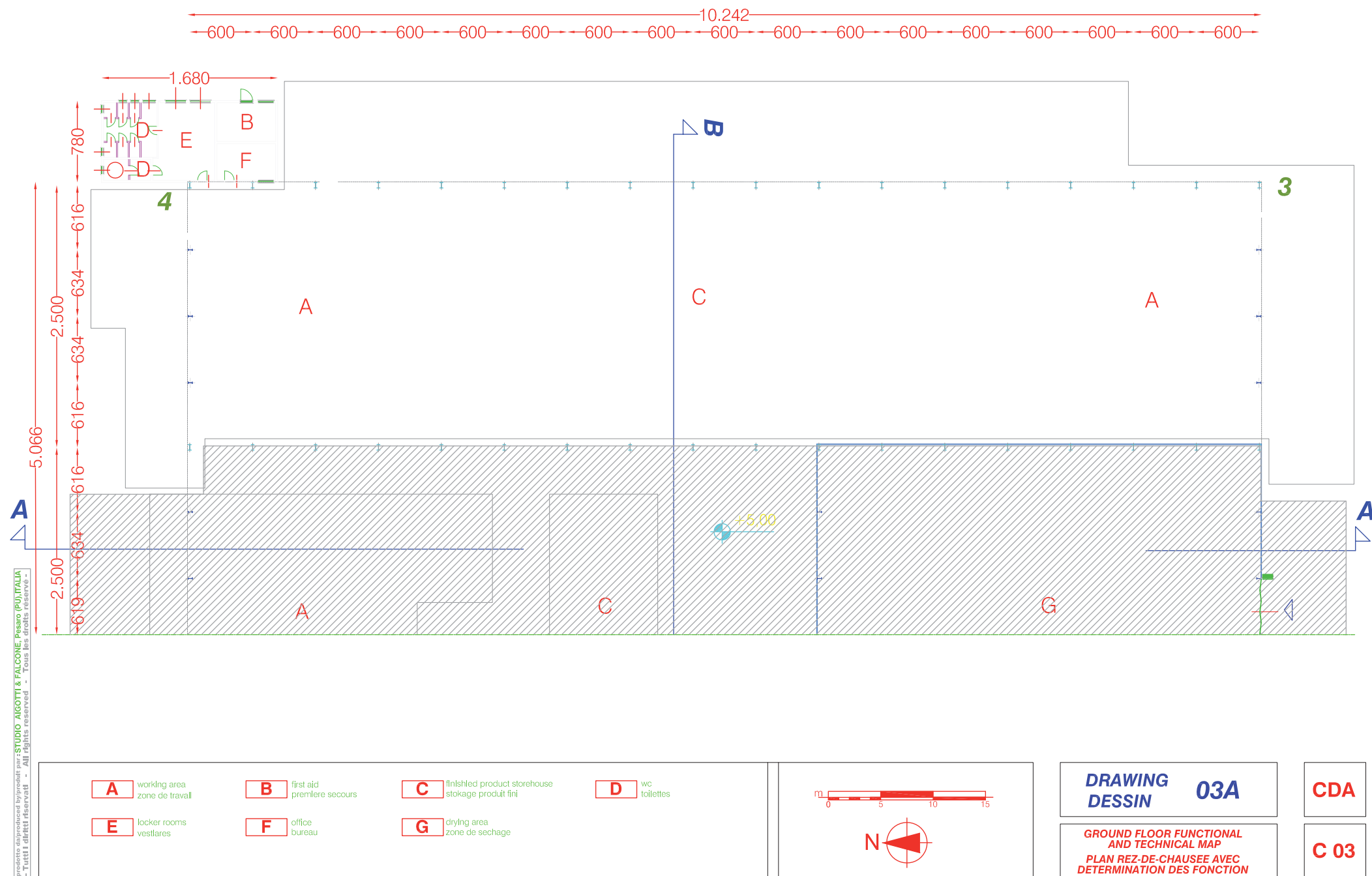
LOT LAY-OUT MAP
PLANIMETRIE LOT

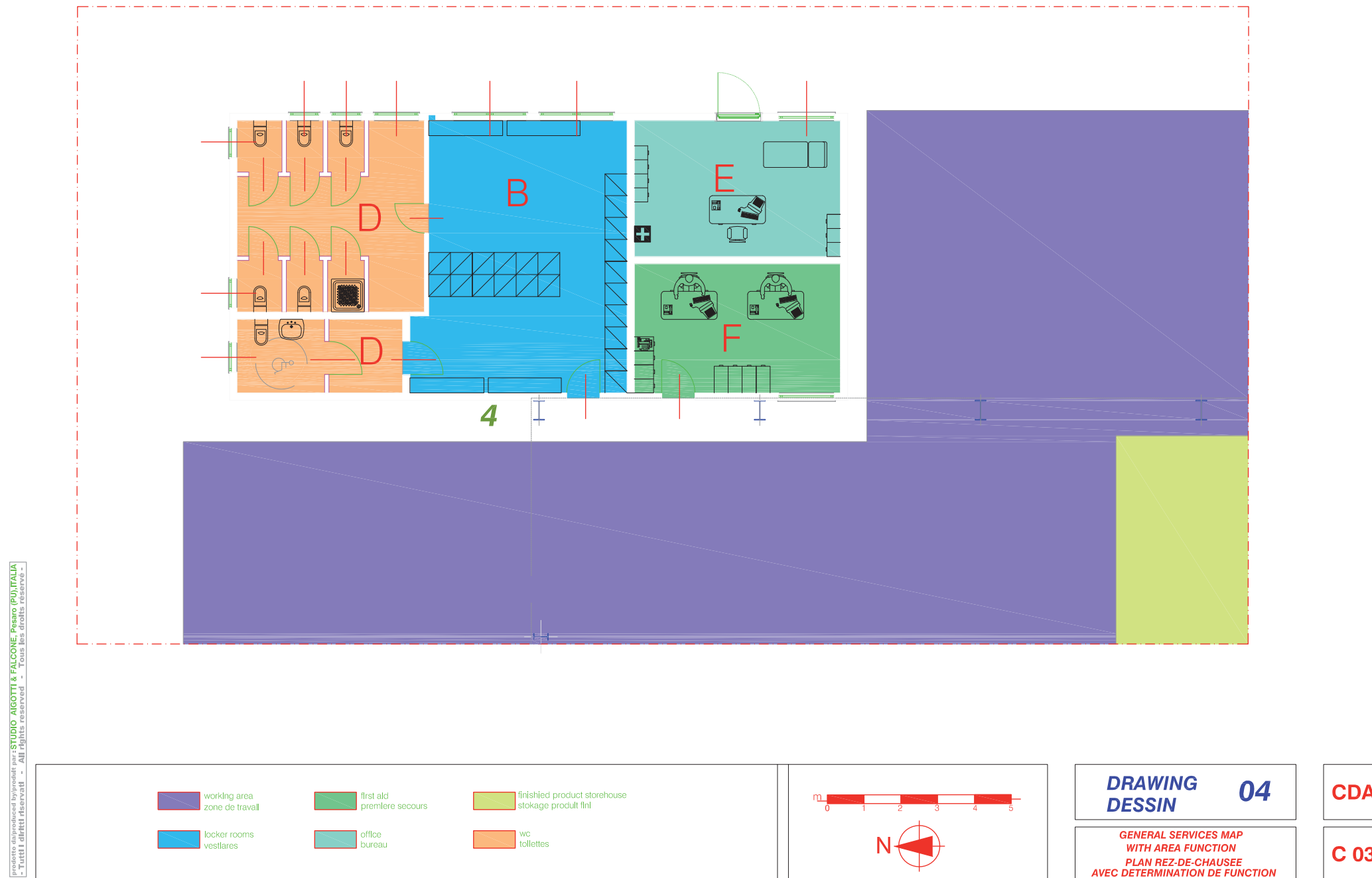
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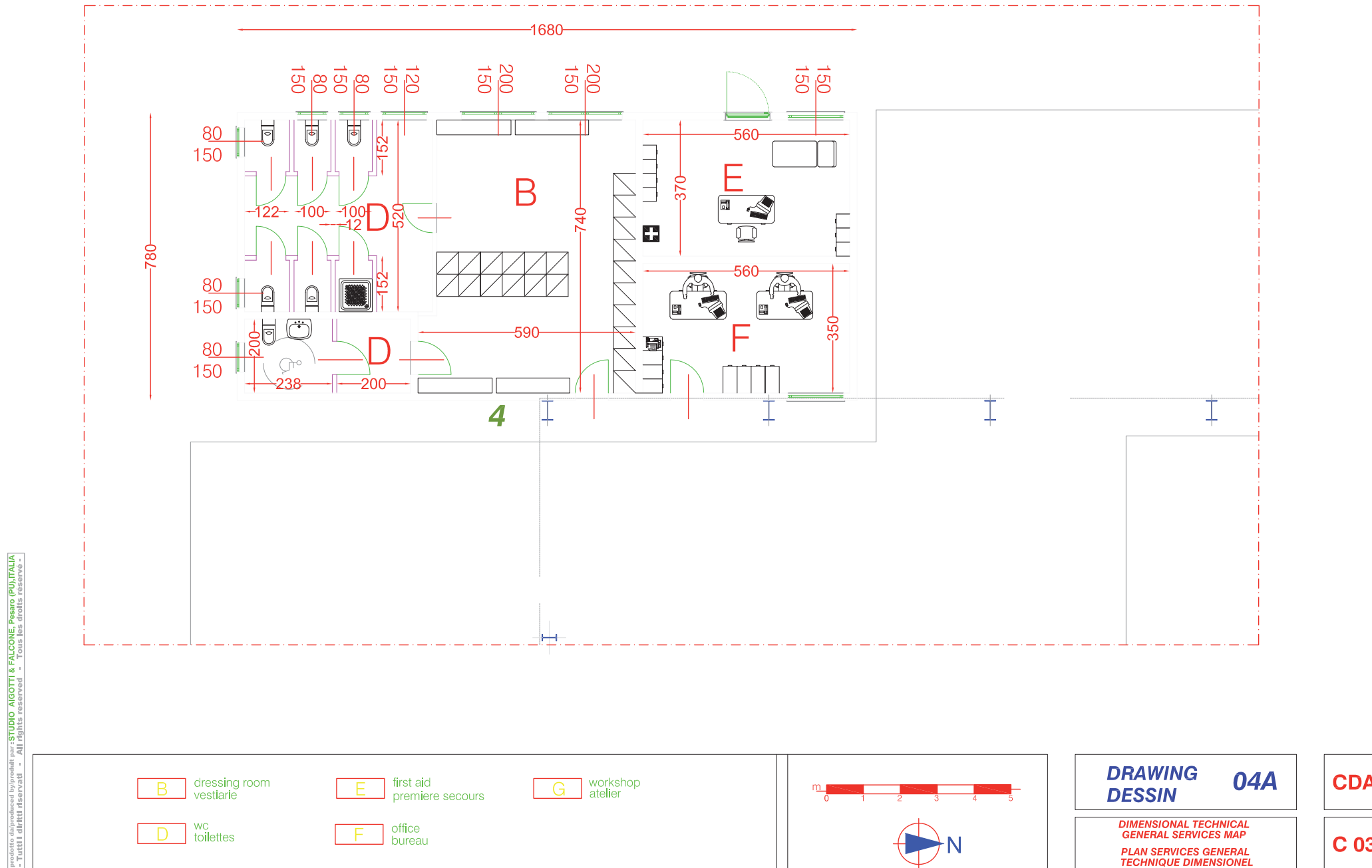
C 03

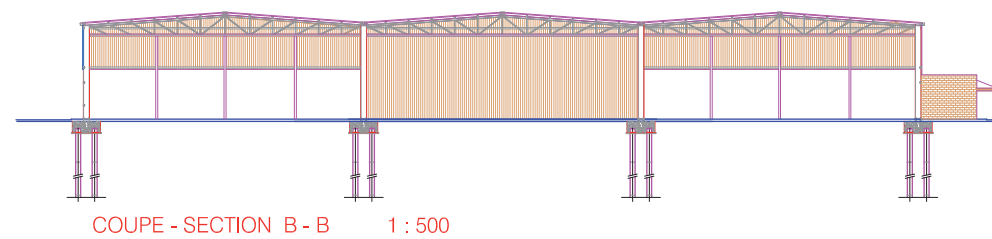
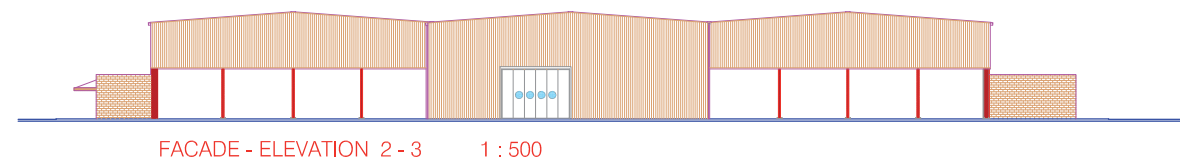
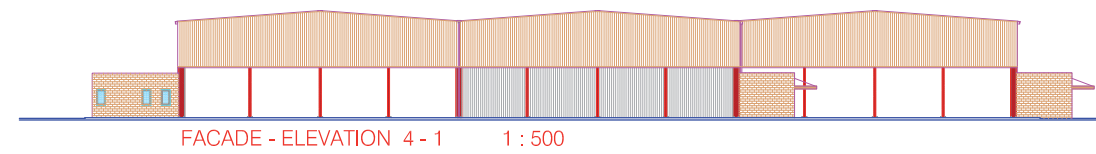
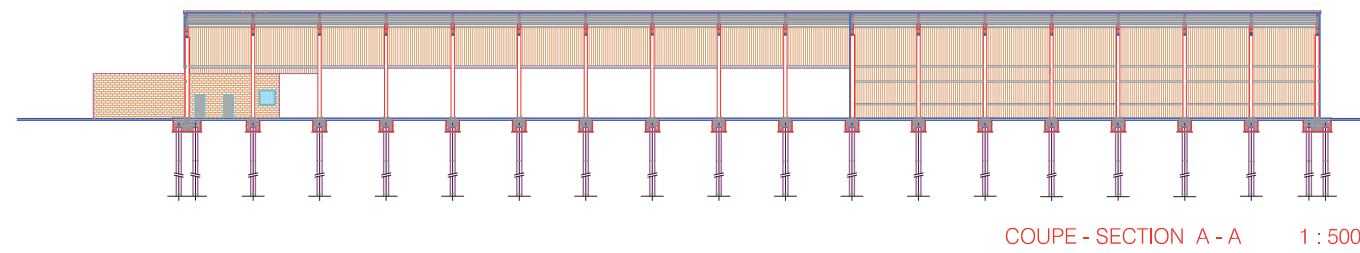
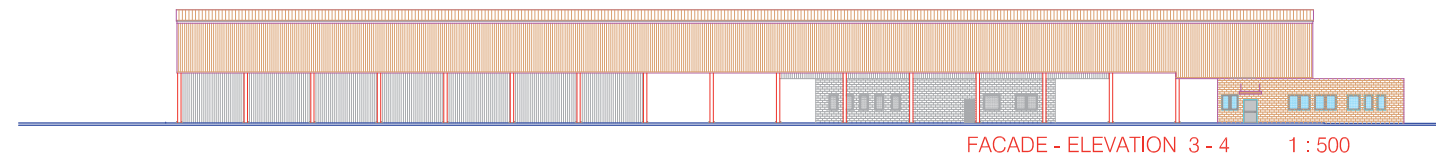
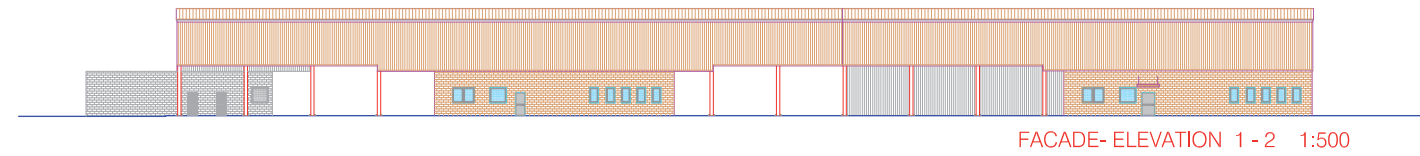












**DRAWING
DESSIN** 06

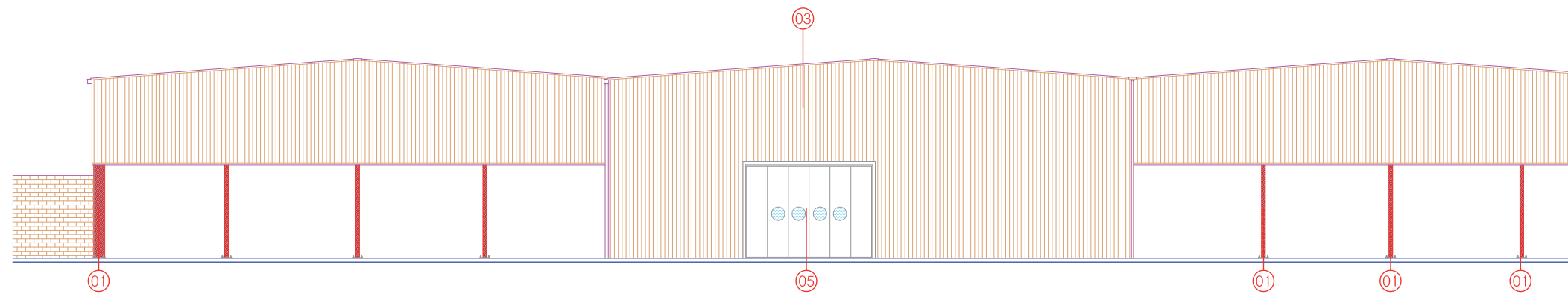
**PROSPECTS AND CROSS SECTIONS
PSPECTUS ET SECTIONS**

CDA

C 03

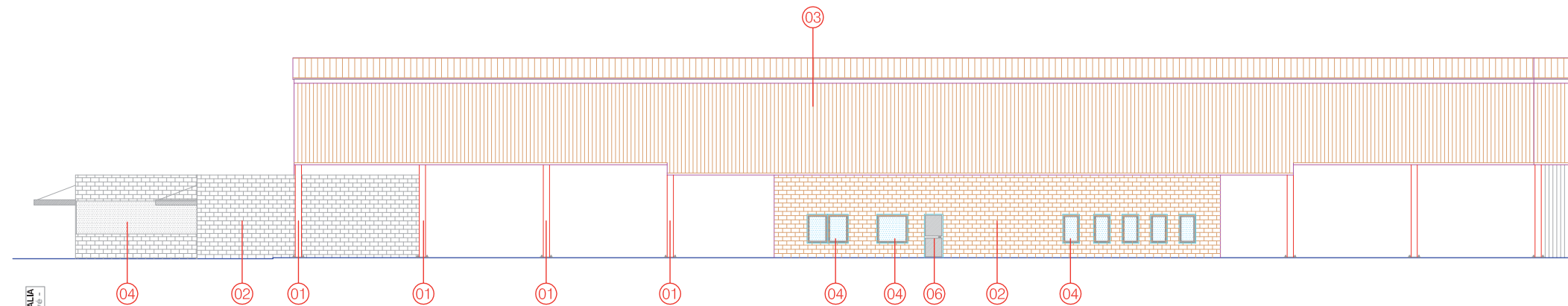
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FACADE - ELEVATION 2 - 3

1 : 200



FACADE - ELEVATION 4 - 1

1:200

- | | |
|---|--|
| <p>① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo</p> <p>② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre</p> <p>③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation</p> | <p>④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing
fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre</p> <p>⑤ lateral sliding aluminium door
porte d'aluminium à la partie latérale glissant</p> <p>⑥ multi function metallic and glass door with
antipanic handle
porte métallique et de verre multi-fonction
avec la poignée antipanic</p> |
|---|--|

DRAWING
DESSIN

07a

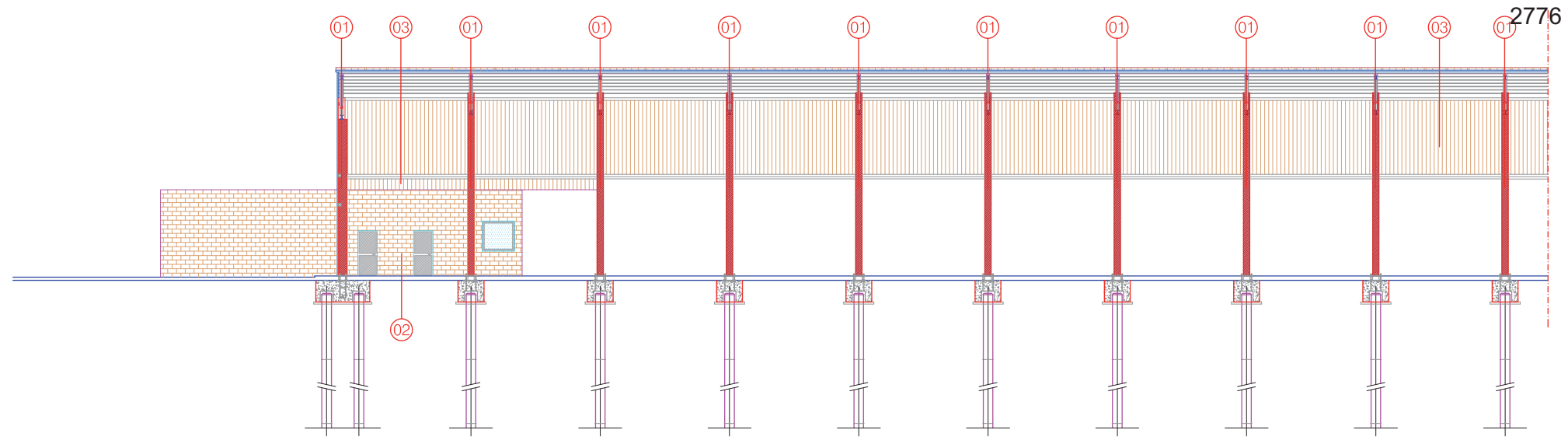
CDA

COUPES
FACADES

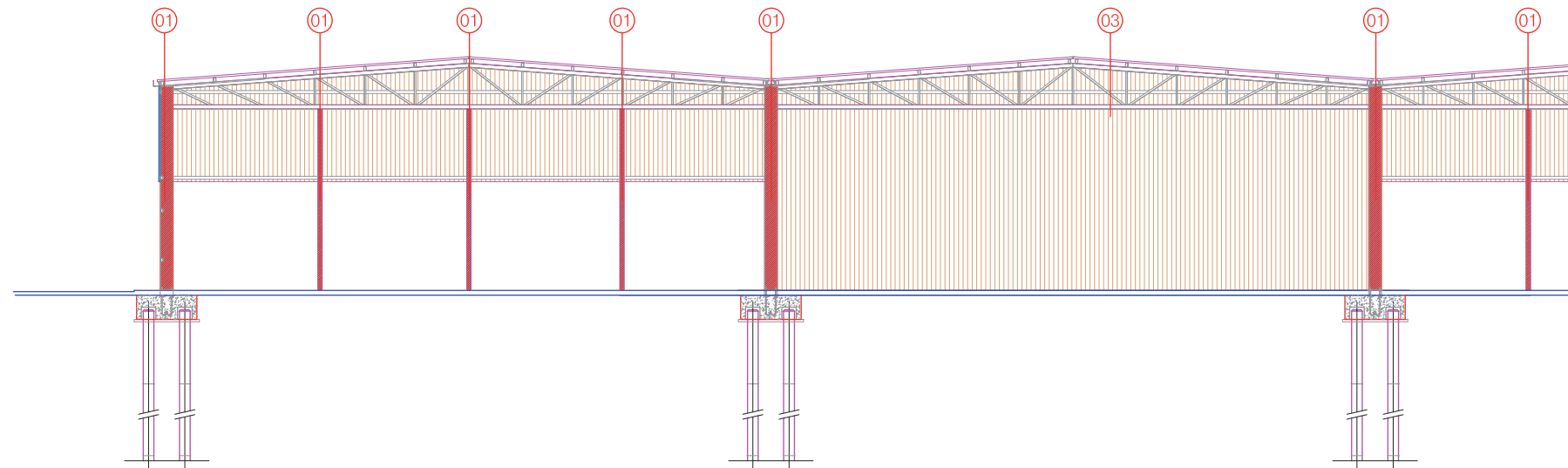
C 03

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COUPE - SECTION A - A 1 : 200



COUPE - SECTION B - B 1 : 200

- 01 colonne in profili di acciaio laminati a caldo
 colonne in profili di acciaio laminati a caldo
- 02 mur de briques en béton vibrant
 couleur ocre
 vibrante concrete masonry
 colour ochre
- 03 panneaux métalliques autoportant isolant
 phonique avec isolament thermique
 autocapacity soundproofing metal panels
 with non-conductor isolation

DRAWING
DESSIN 07b

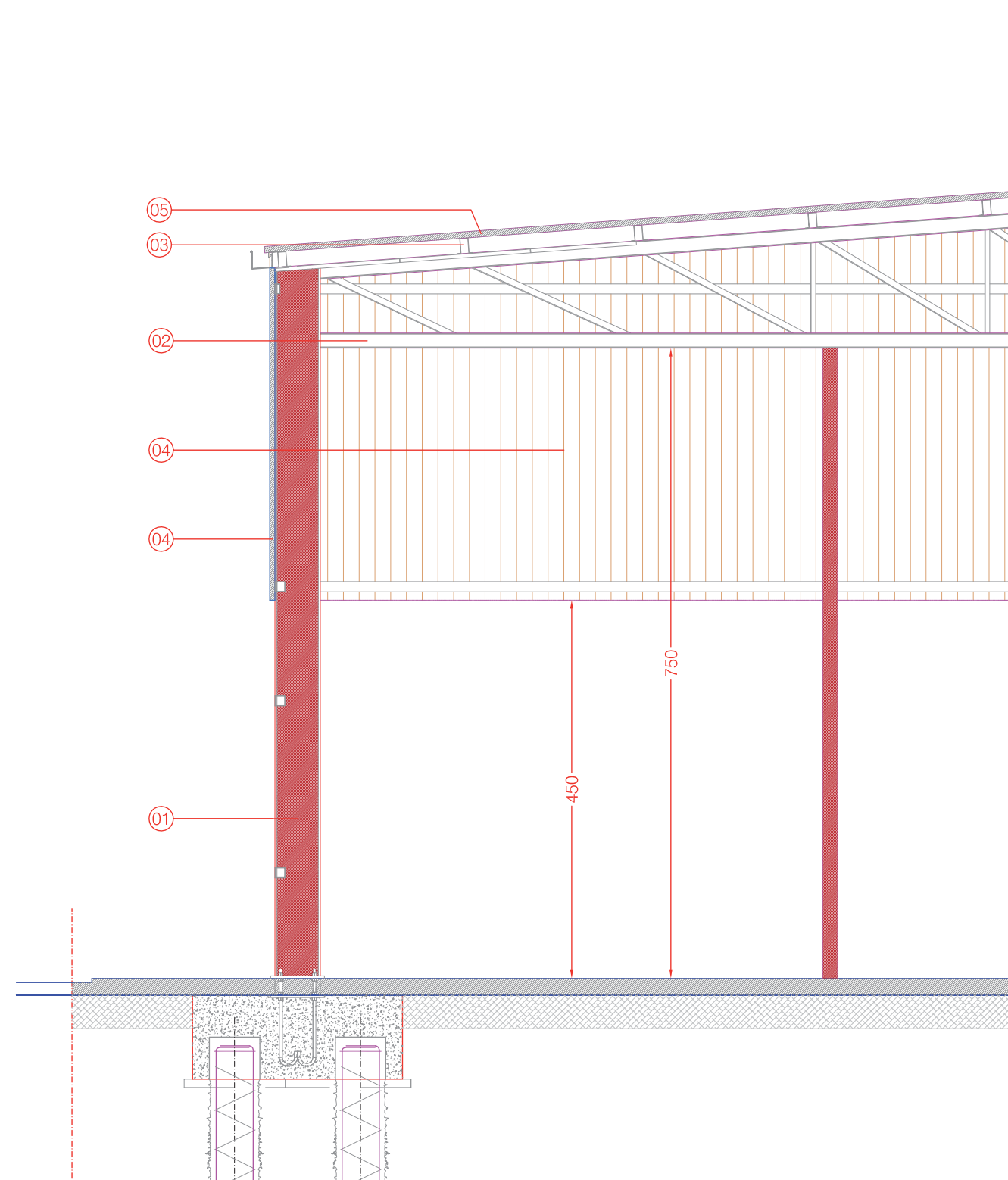
SECTIONS
ELEVATIONS

CDA

C 03



2777



COUPE - SECTION B - B 1 : 200

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

DRAWING
DESSIN 08a

PROSPECTS AND CROSS SECTIONS
PSOSPECTUS ET SECTIONS

CDA

C 03



2778

COUPE - SECTION A - A 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

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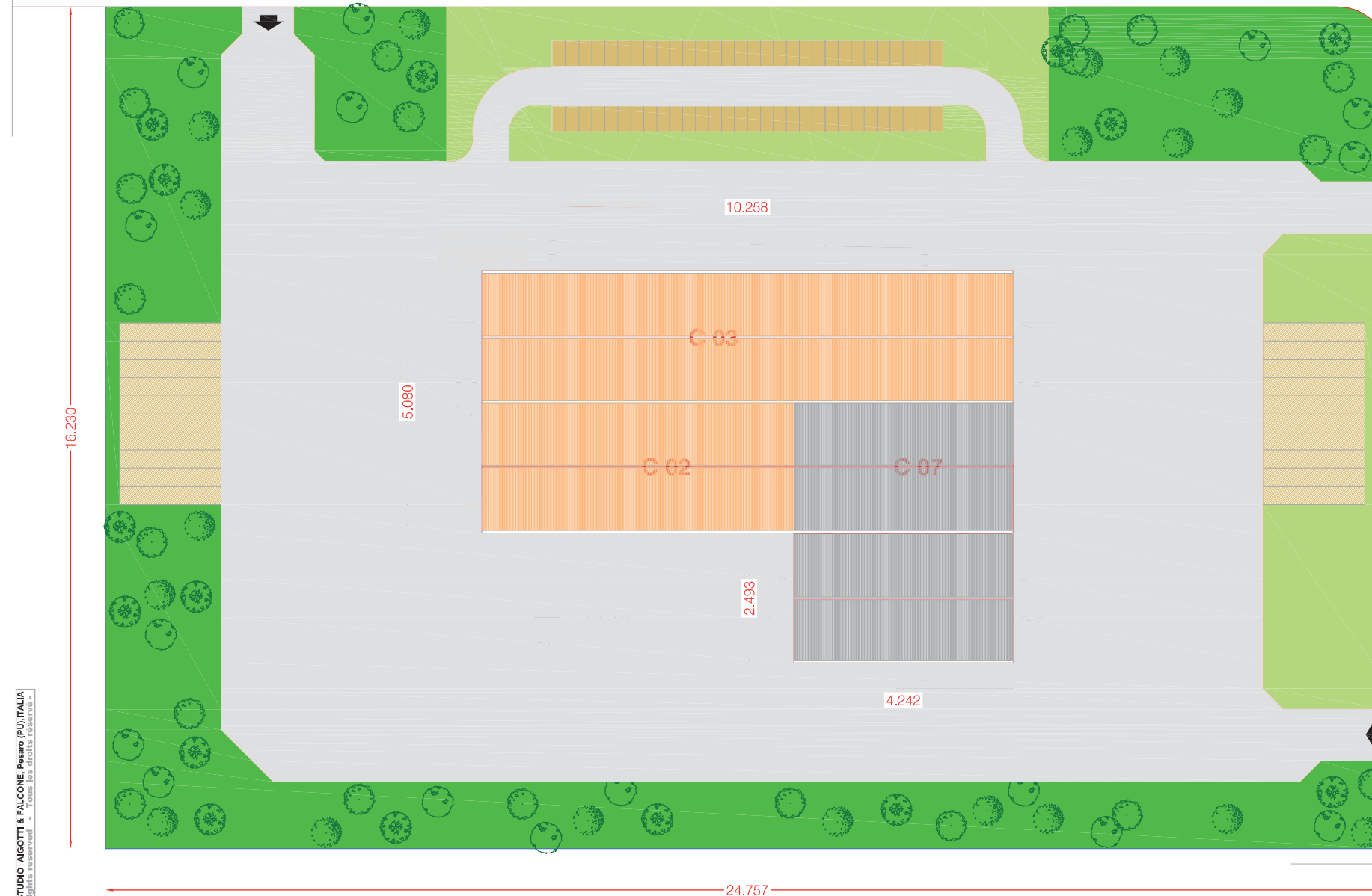
DRAWING
DESSIN **08b**

PROSPECTS AND CROSS SECTIONS
PSPECTUS ET SECTIONS

CDA

C 03





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délimitation du lot
plot limits

zone plantée d'arbres
planted area

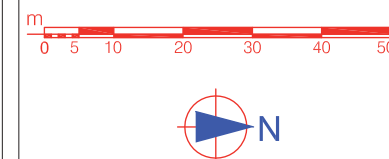
place
square

réseau routier extérieur et intérieur
internal and external road network

gazon
grass area

car parks
parking

area stockage final product
area stockage produit finis



DRAWING
DESSIN

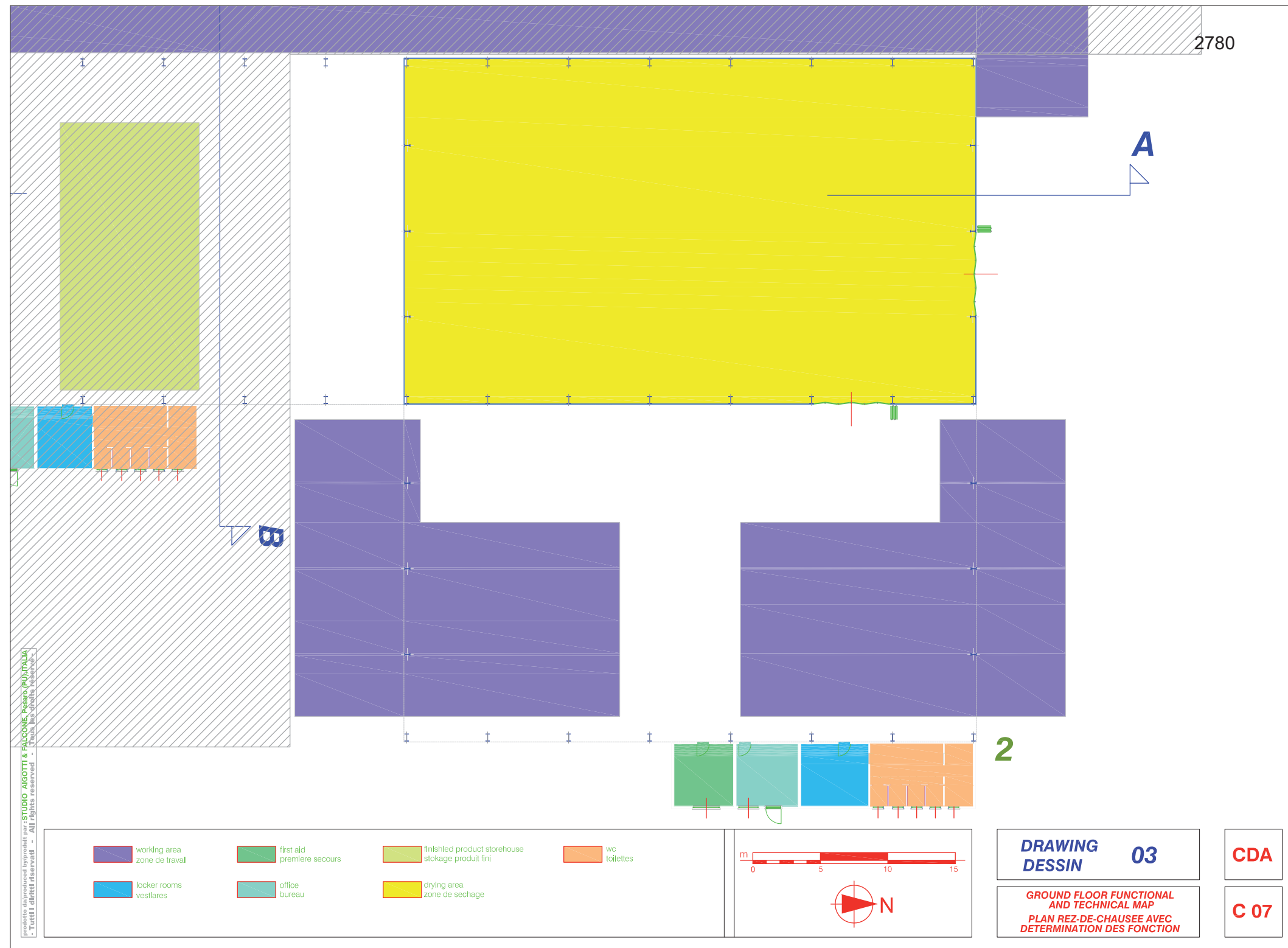
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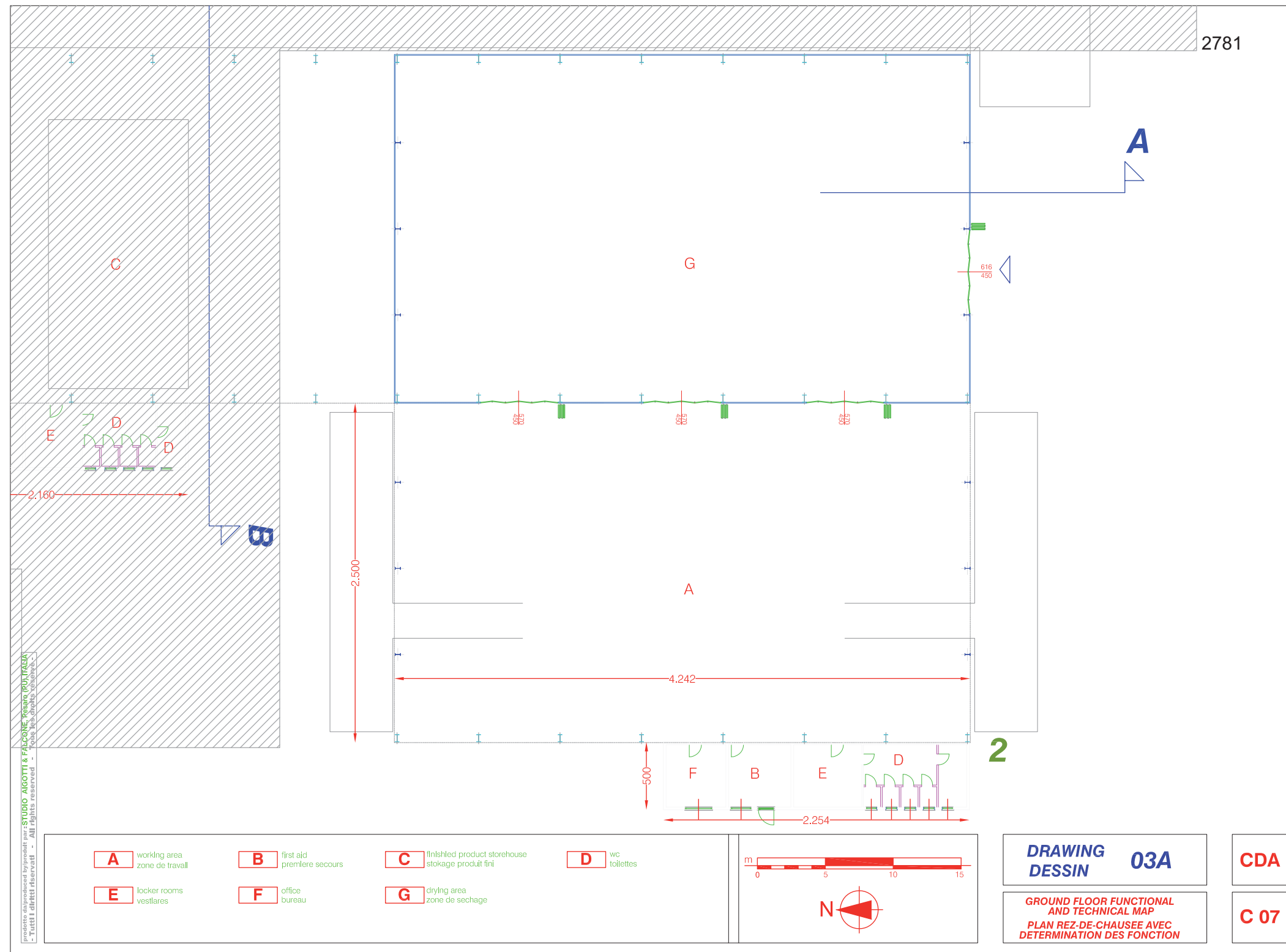
LOT LAY-OUT MAP
PLANIMETRIE LOT

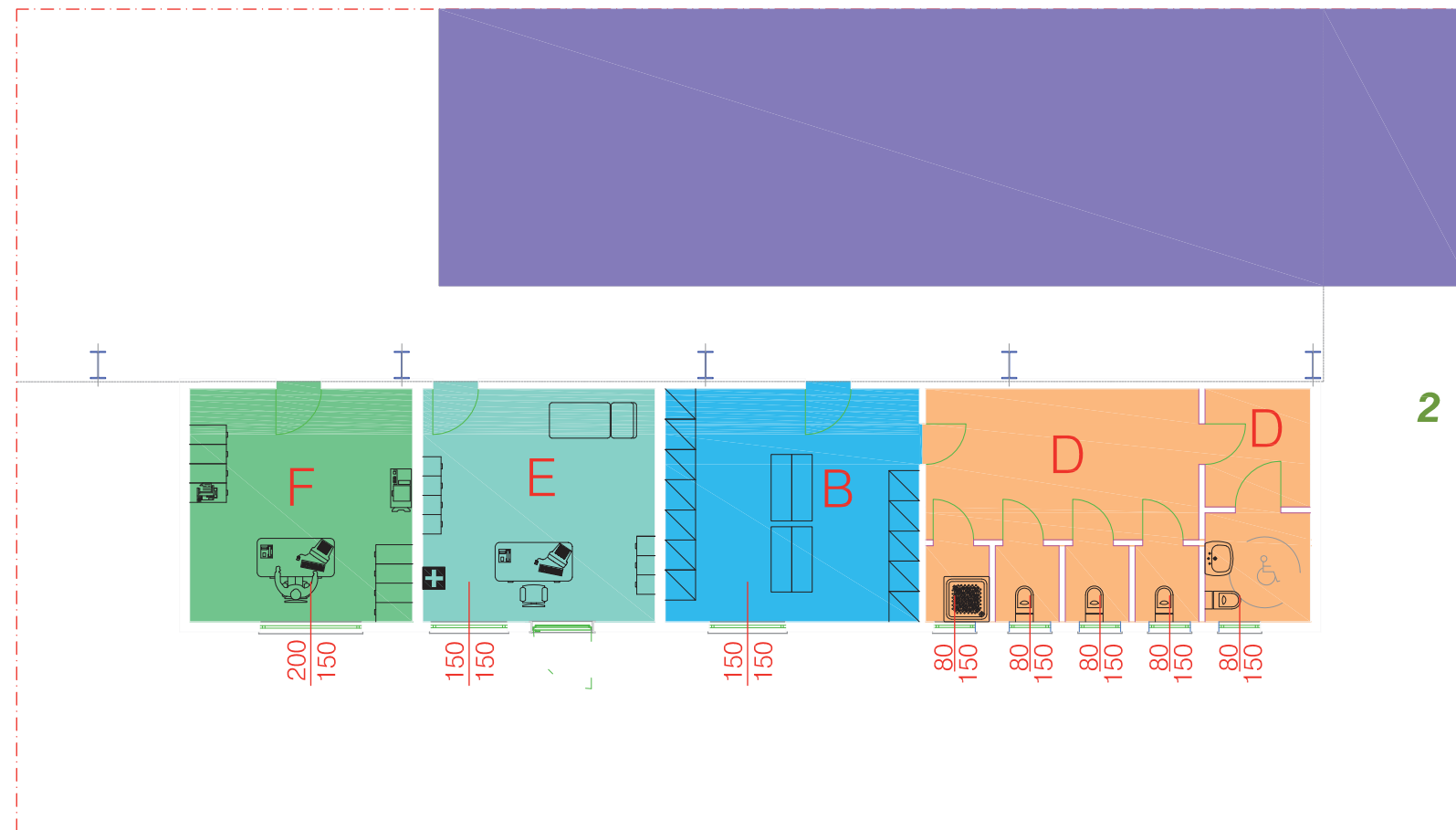
CDA

C 07

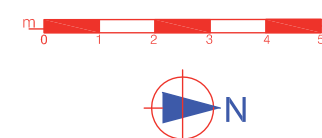








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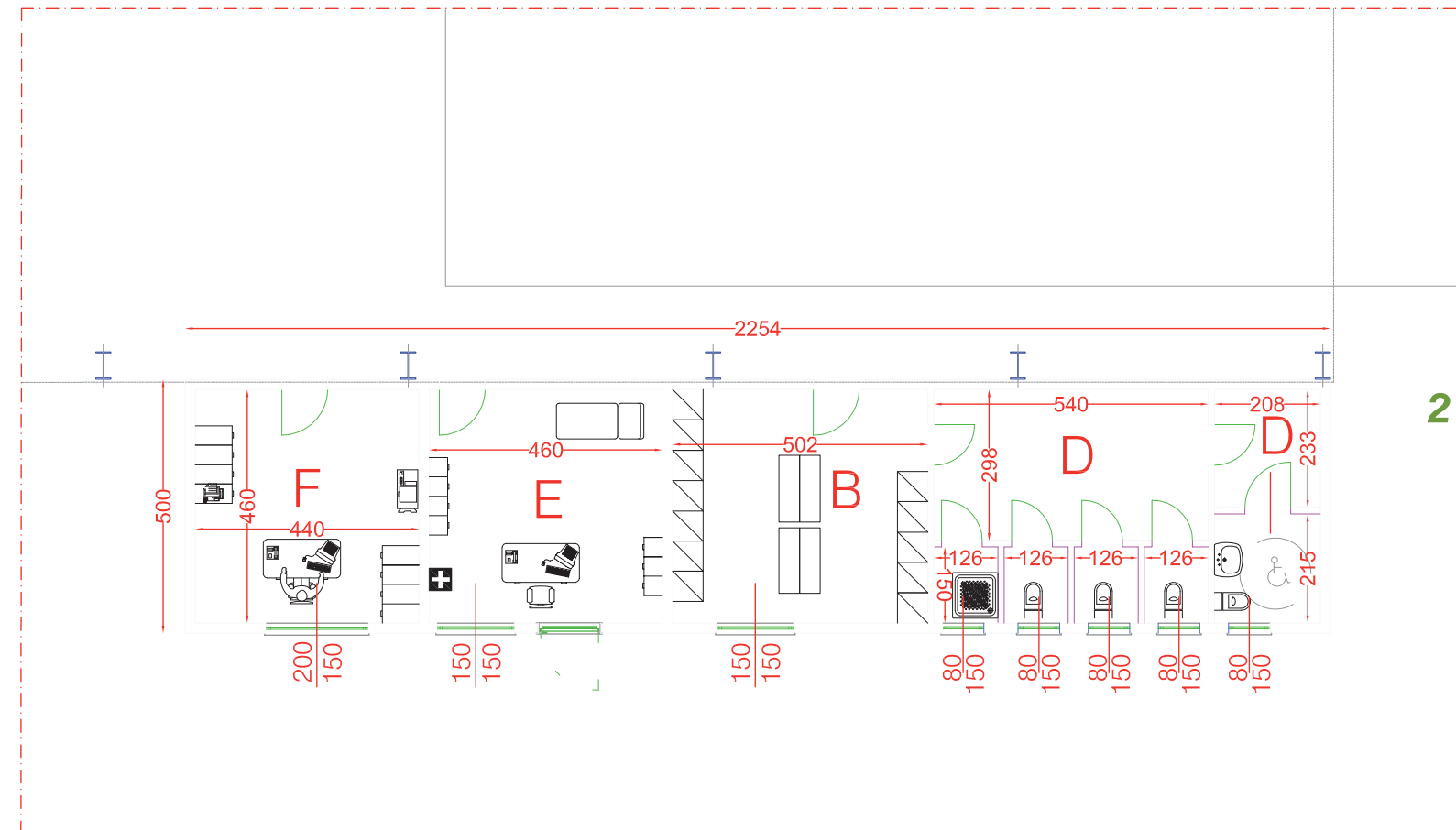
**DRAWING
DESSIN** **04**

GENERAL SERVICES MAP
WITH AREA FUNCTION
PLAN REZ-DE-CHAUSSE
AVEC DETERMINATION DE FUNCTION

CDA

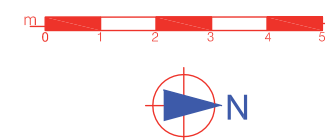
C 07





prodotto e distribuito in Italia per i **STUDIO AIGOTTI & FALCONE** - Pesaro (PU) ITALIA
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B dressing room vestiaire	E first aid premiere secours	G workshop atelier
D wc toilettes	F office bureau	



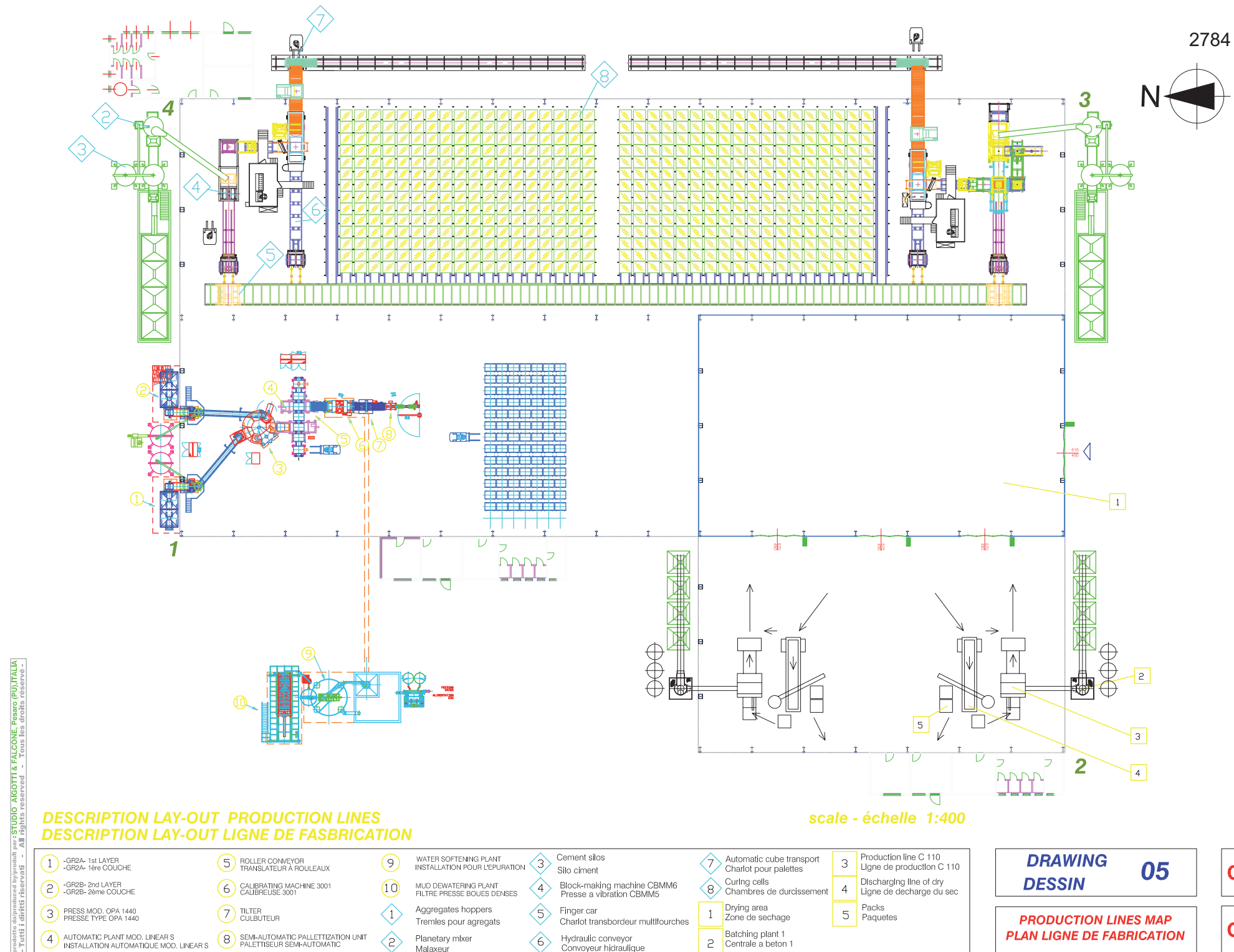
DRAWING
DESSIN **04A**

DIMENSIONAL TECHNICAL
GENERAL SERVICES MAP
PLAN SERVICES GENERAL
TECHNIQUE DIMENSIONNEL

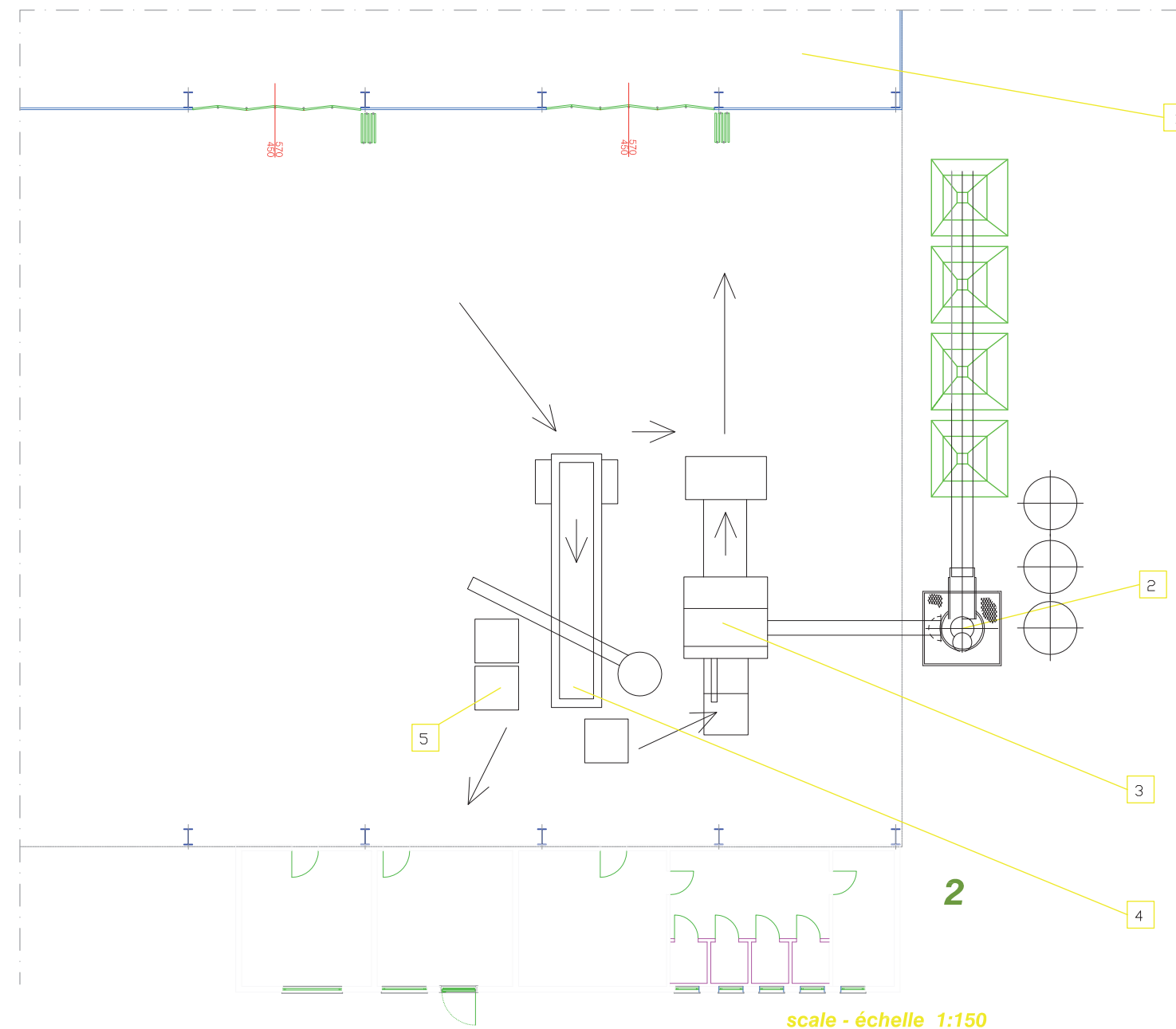
CDA

C 07





2785



Prodotto e distribuito in Italia da MASGROUP STUDIO JACOBI & FALCONE PIANO D'ITALIA - Tutti i diritti riservati - All rights reserved - Tous les droits réservés

- | | | |
|--|---|--------------------|
| 1 Drying area
Zone de séchage | 3 Production line C 110
Ligne de production C 110 | 5 Packs
Paquets |
| 2 Batching plant 1
Centrale a beton 1 | 4 Discharging line of dry
Ligne de décharge du sec | |

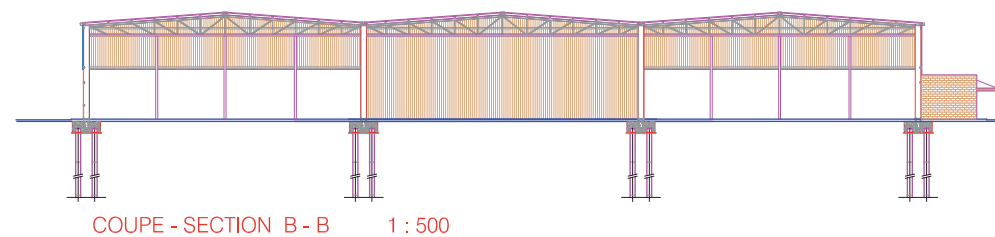
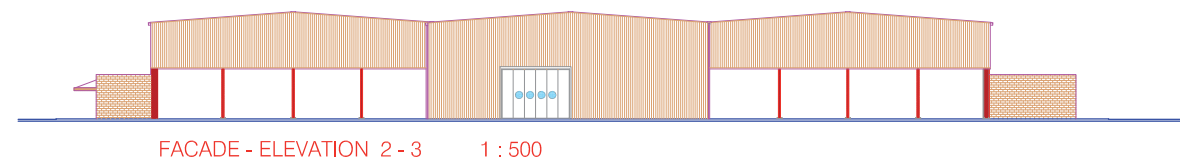
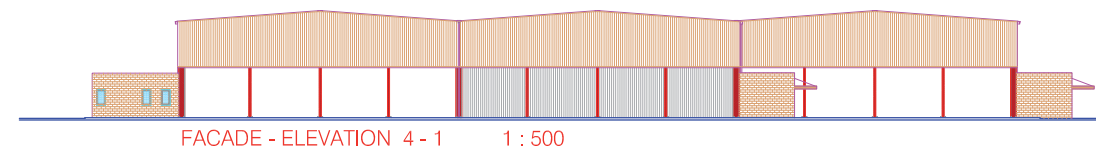
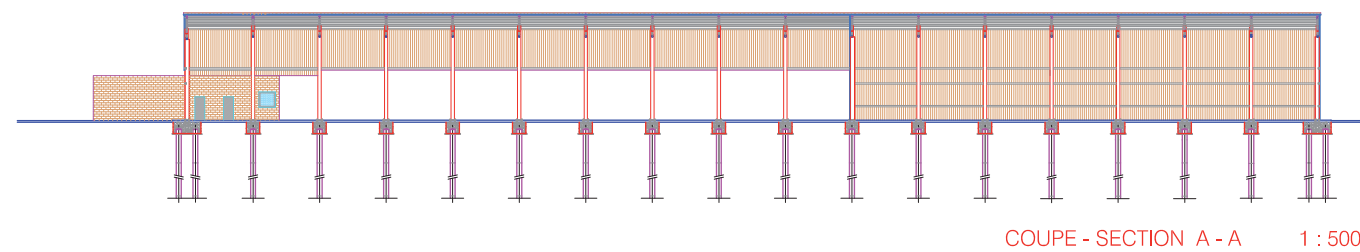
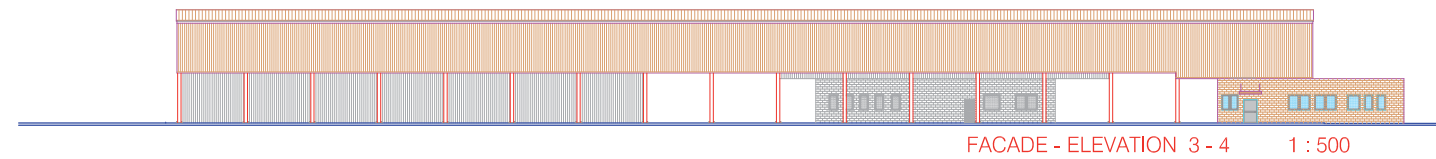
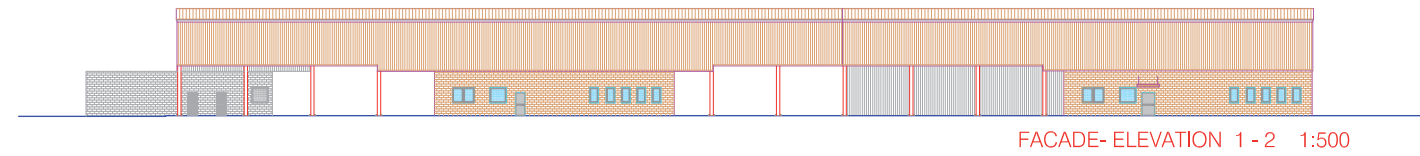
DRAWING
DESSIN **05C**

PRODUCTION LINES MAP
-DETAILS-
PLAN LIGNE DE FABRICATION
DETAILLÉES

CDA

C 07





DRAWING
DESSIN **06**

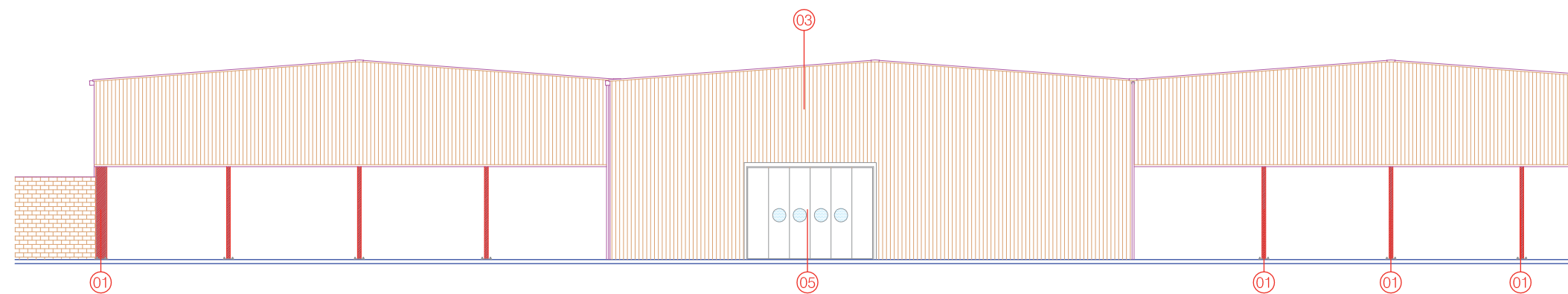
PROSPECTS AND CROSS SECTIONS
PSOSPECTUS ET SECTIONS

CDA

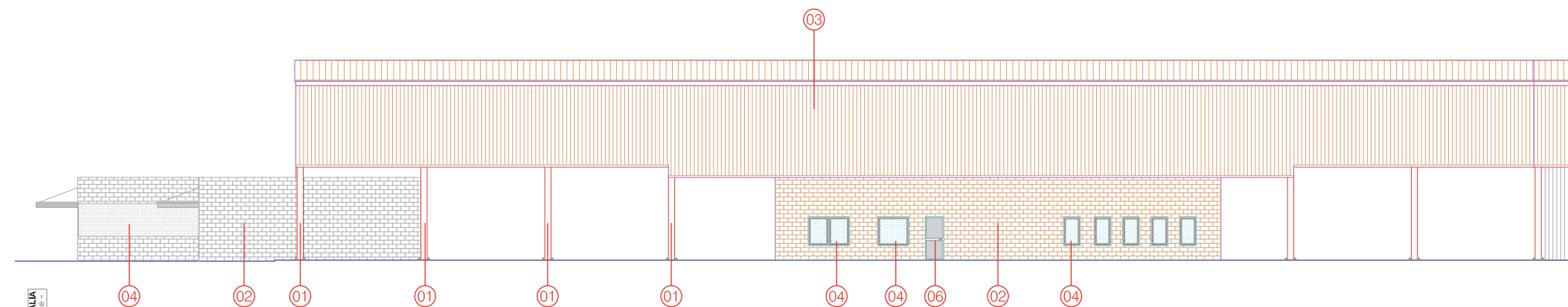
C 07

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FACADE - ELEVATION 2 - 3 1 : 200



FACADE - ELEVATION 4 - 1 1:200

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- | | |
|--|---|
| ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo | ④ ribbon aluminium window in with open joint
vasistas and control to man height
double glazing |
| ② mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre | ⑤ fenetre-bande en aluminium avec le joint ouvert
vasistas avec le commande de taille a l'homme
double verre |
| ③ panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation | ⑥ lateral sliding aluminium door
porte d'aluminium à la partie latérale glissant |
| | ⑥ multi function metallic and glass door with
antipanic handle
porte métallique et de verre multi-fonction
avec la poignée antipanic |

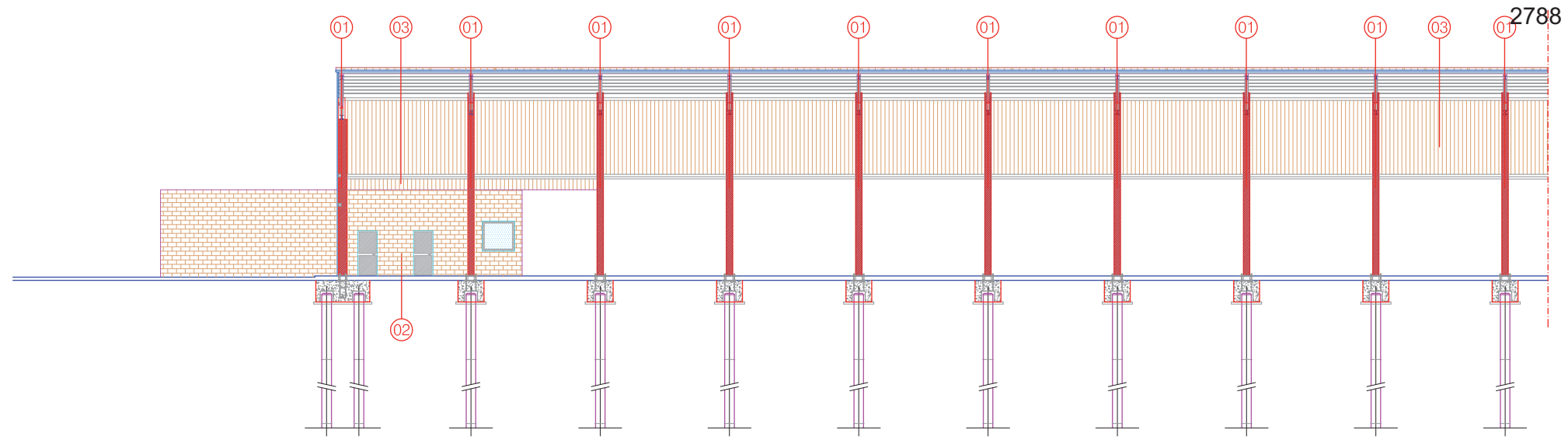
DRAWING
DESSIN 07a

COUPES
FACADES

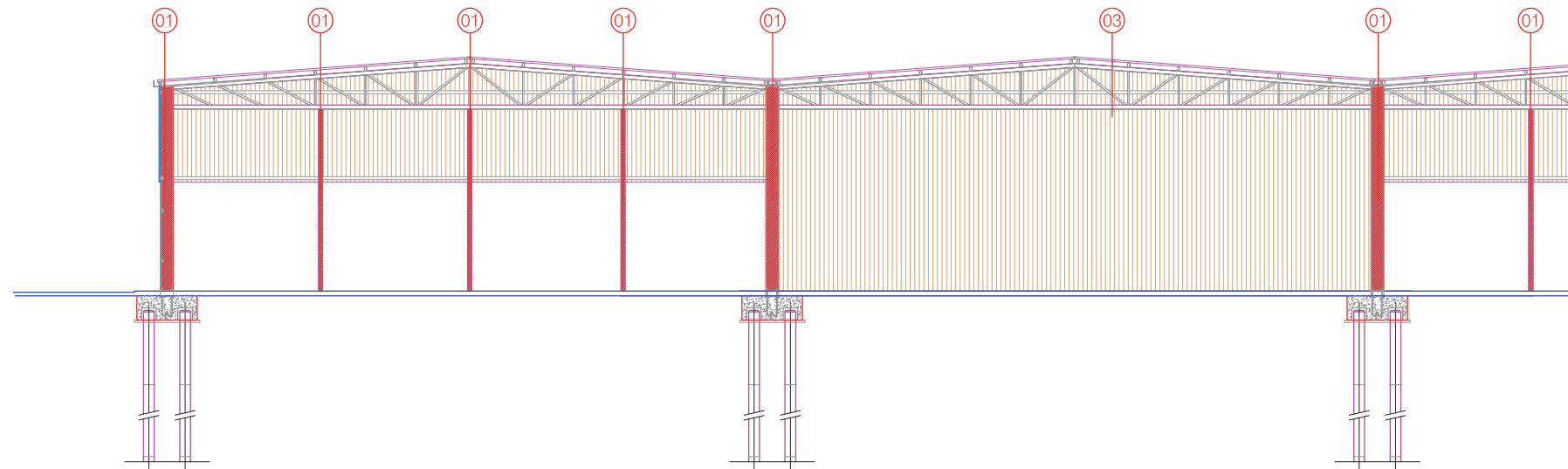
CDA

C 07





COUPE - SECTION A - A 1 : 200



COUPE - SECTION B - B 1 : 200

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 mur de briques en béton vibrant
couleur ocre
vibrate concrete masonry
colour ochre
- 03 panneaux métalliques autoportant isolant
phonique avec isolament thermique
autocapacity soundproofing metal panels
with non-conductor isolation

DRAWING
DESSIN 07b

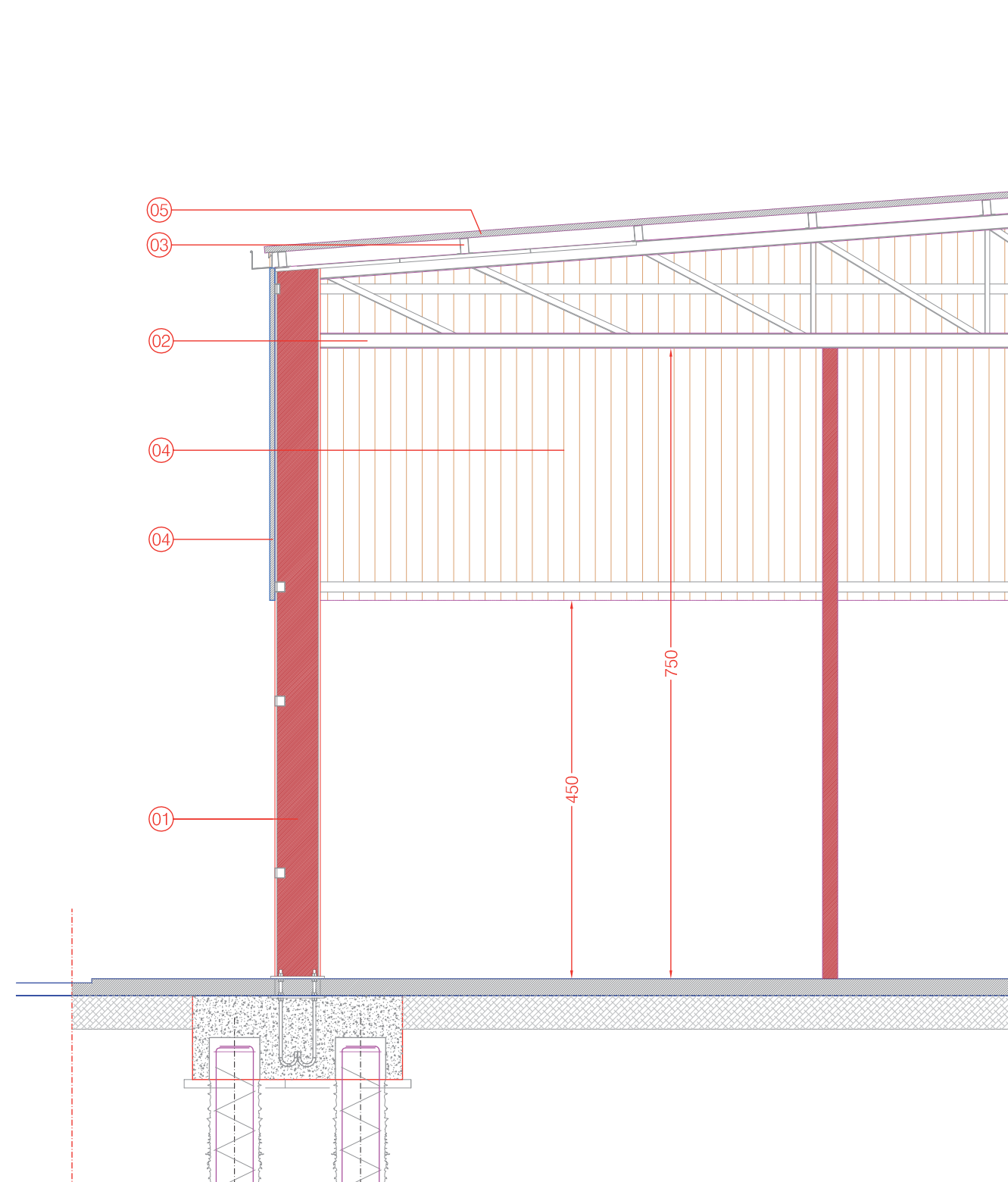
SECTIONS
ELEVATIONS

CDA

C 07



2789



COUPE - SECTION B - B 1 : 50

- ① colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- ② travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- ③ arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- ④ pannello sandwich di tamponamento
pannello sandwich di tamponamento
- ⑤ pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

DRAWING
DESSIN 08a

PROSPECTS AND CROSS SECTIONS
PSOSPECTUS ET SECTIONS

CDA

C 07



2790

COUPE - SECTION A - A 1 : 50

- 01 colonne in profili di acciaio laminati a caldo
colonne in profili di acciaio laminati a caldo
- 02 travi principali di falda in profili di acciaio laminati a caldo
travi principali di falda in profili di acciaio laminati a caldo
- 03 arcarecci in profili ad "omega" in acciaio
arcarecci in profili ad "omega" in acciaio
- 04 pannello sandwich di tamponamento
pannello sandwich di tamponamento
- 05 pannello sandwich di rivestimento copertura
pannello sandwich di rivestimento copertura

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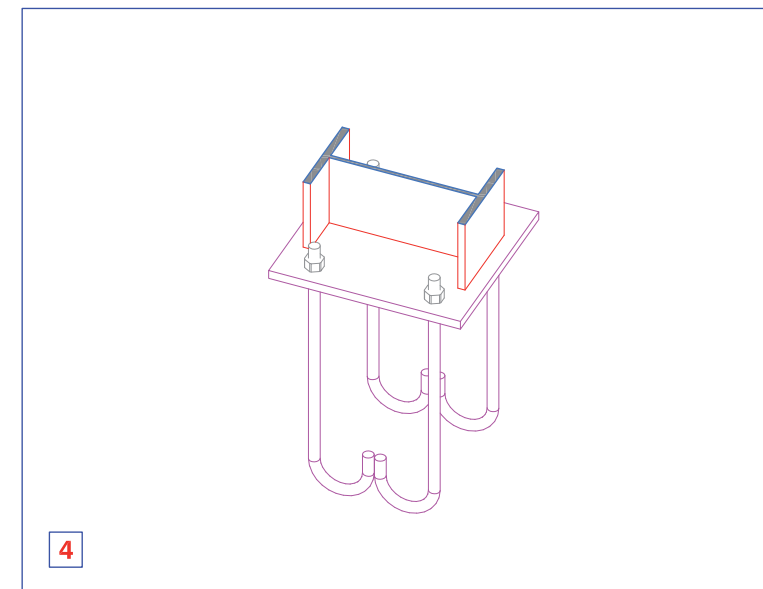
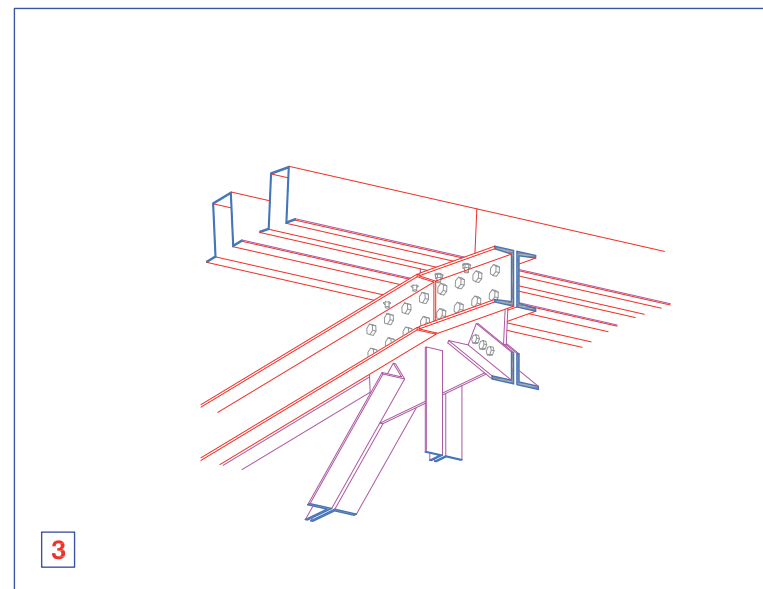
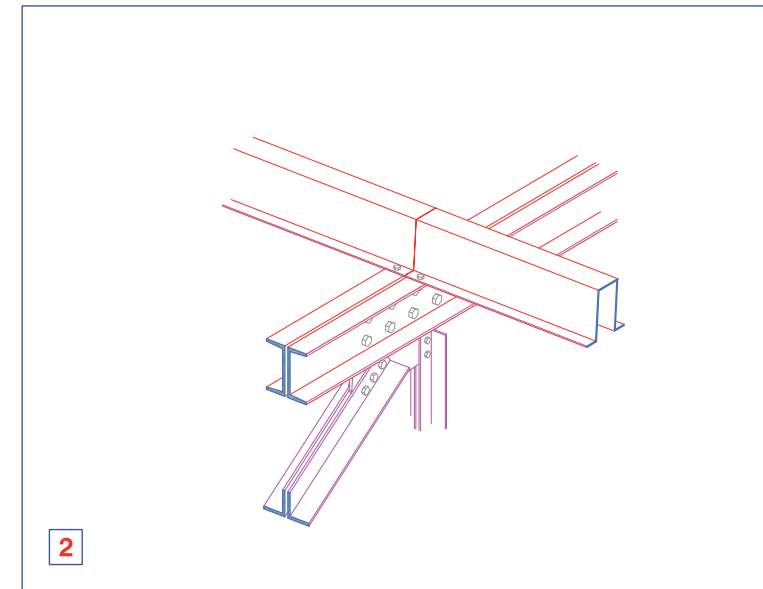
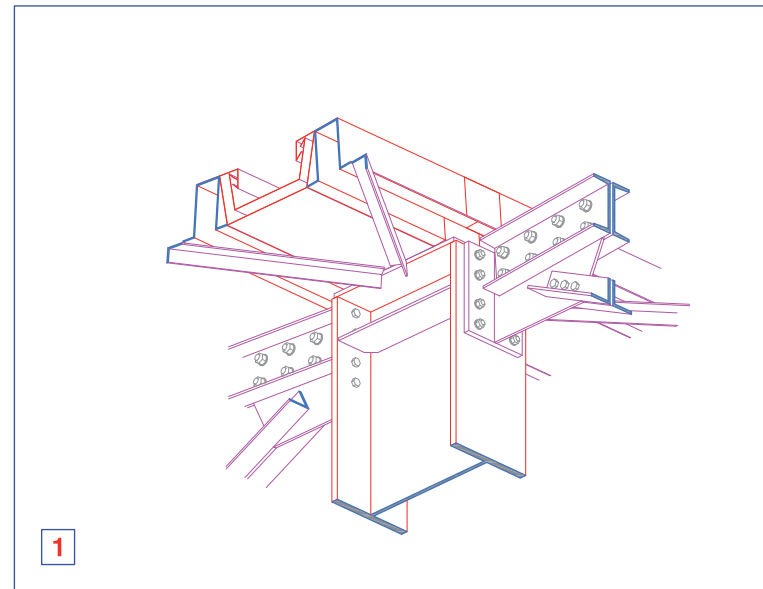
DRAWING
DESSIN **08b**

PROSPECTS AND CROSS SECTIONS
PSPECTUS ET SECTIONS

CDA

C 07

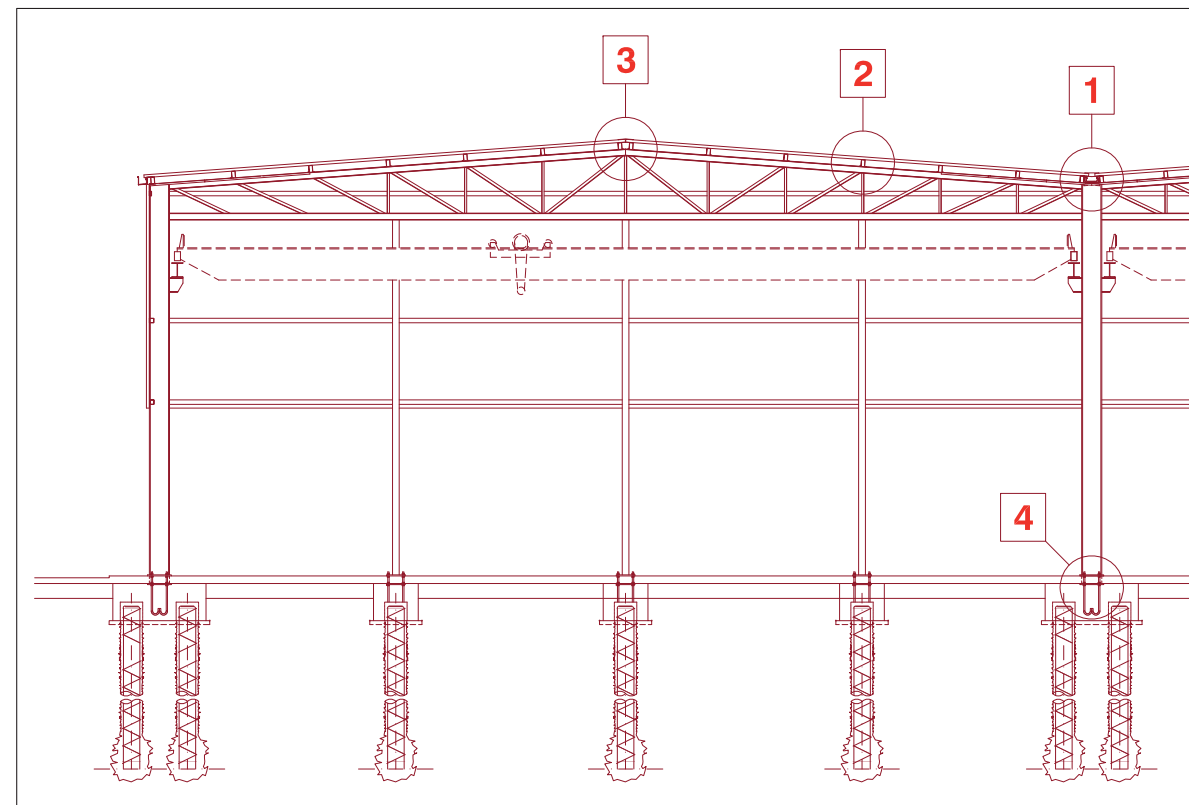




DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A1

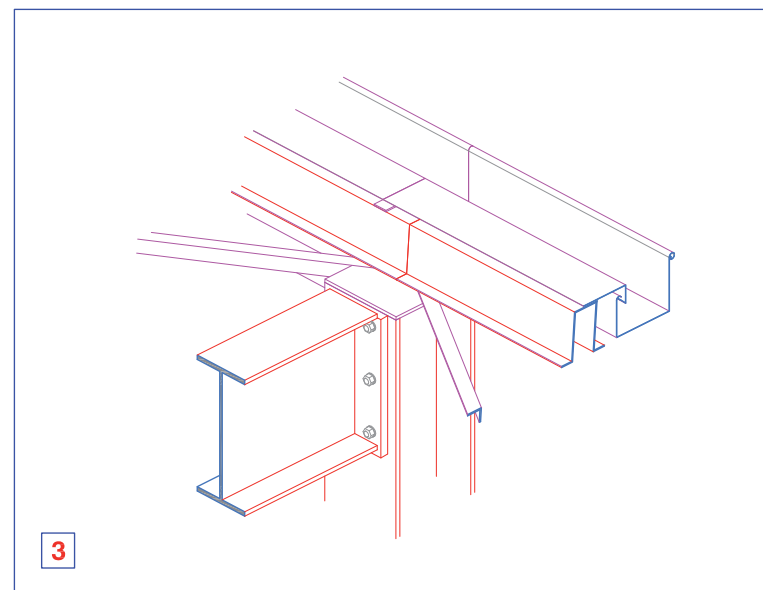
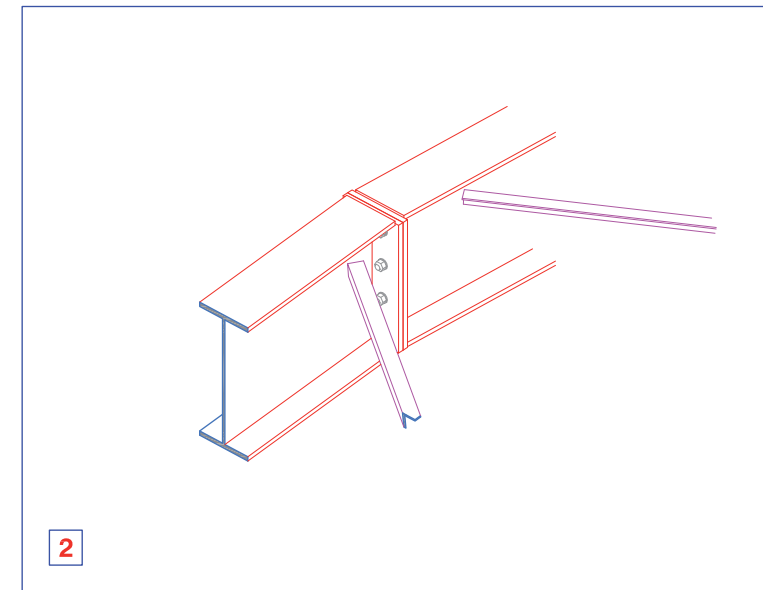
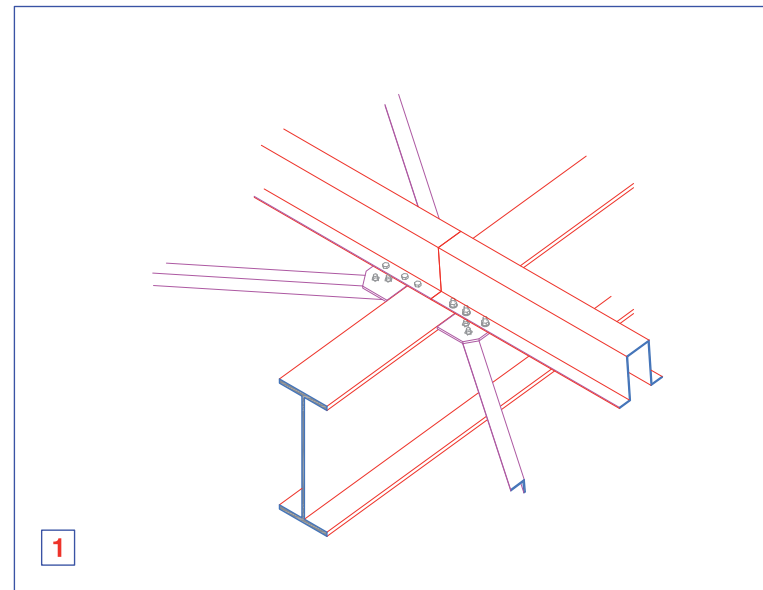
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

A

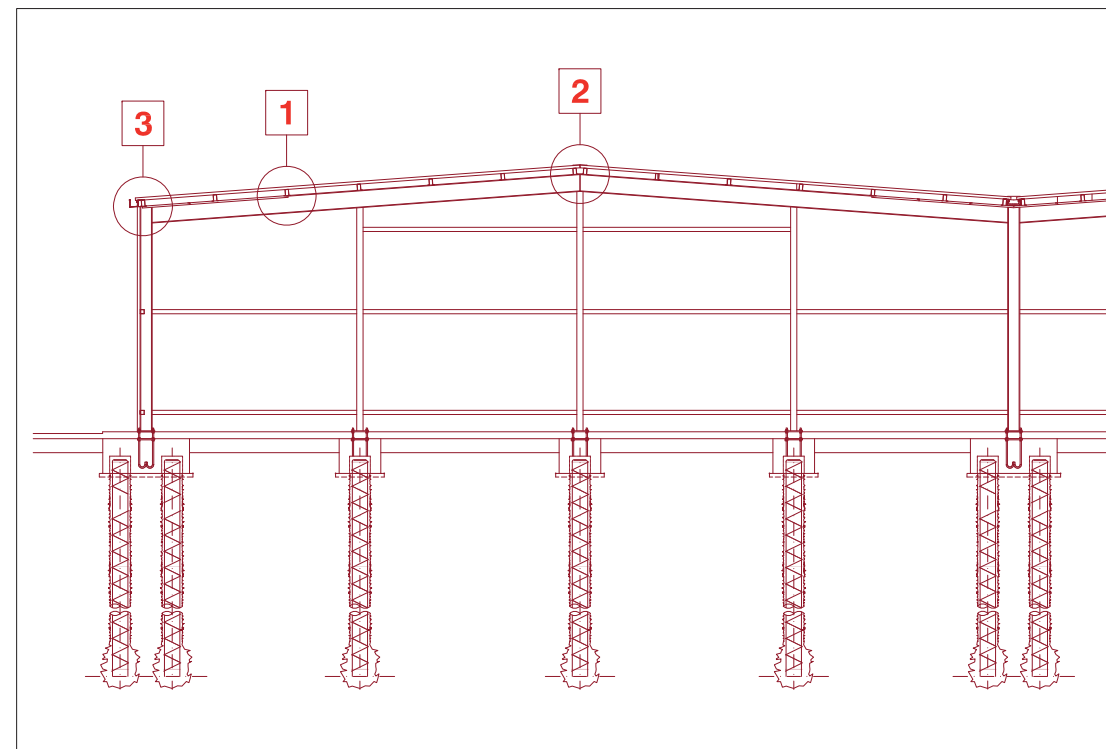
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

B1

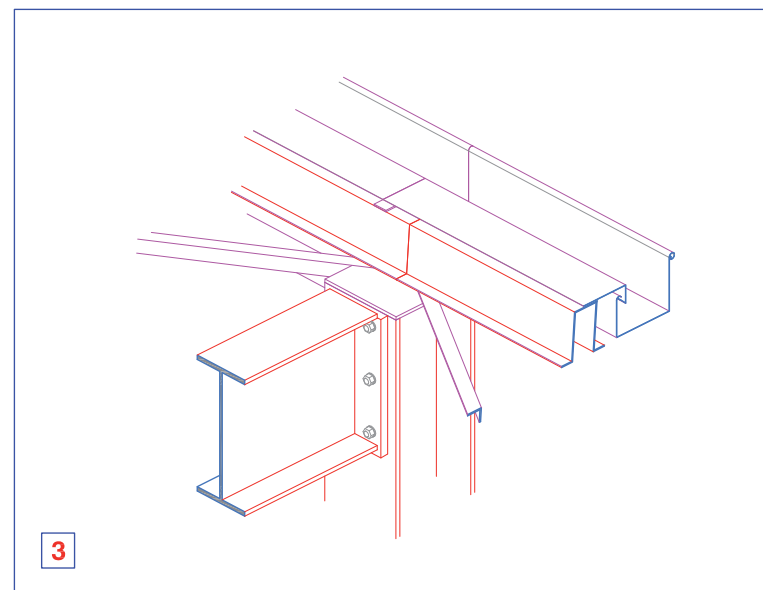
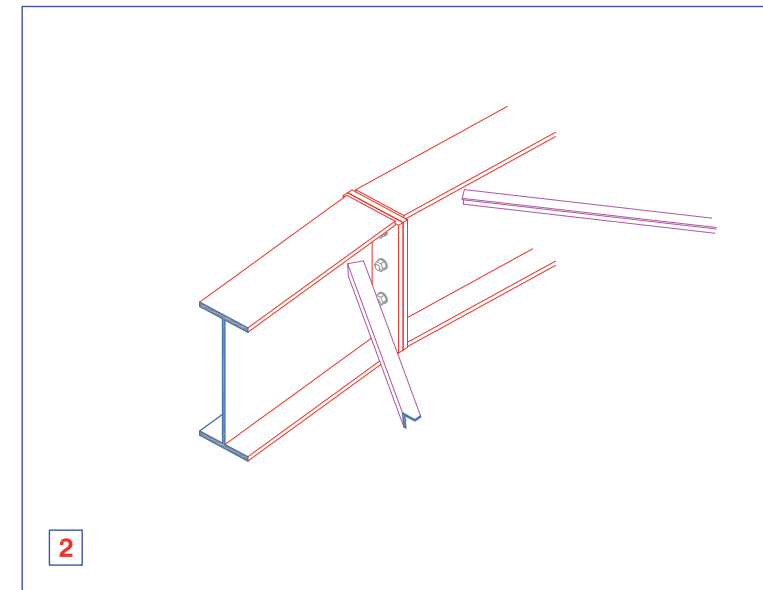
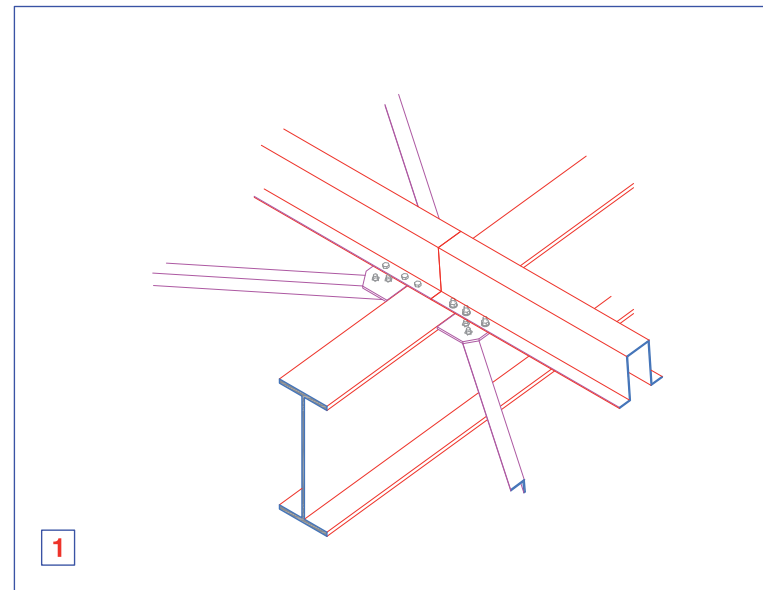
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

B

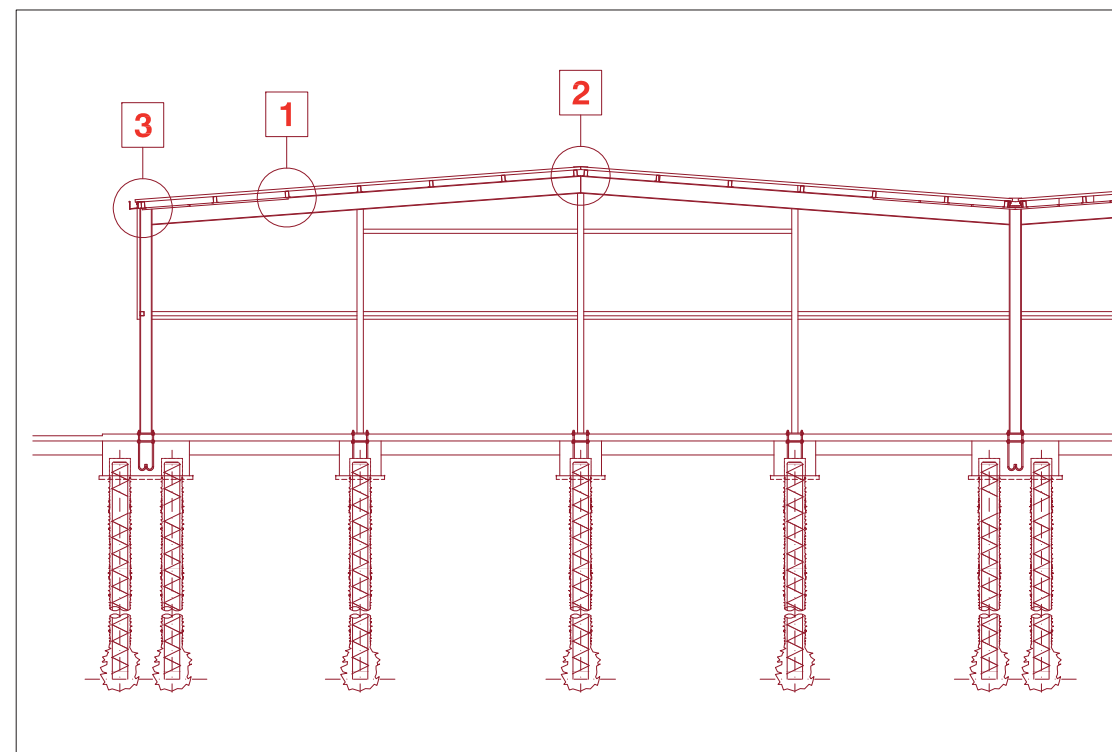
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

C1

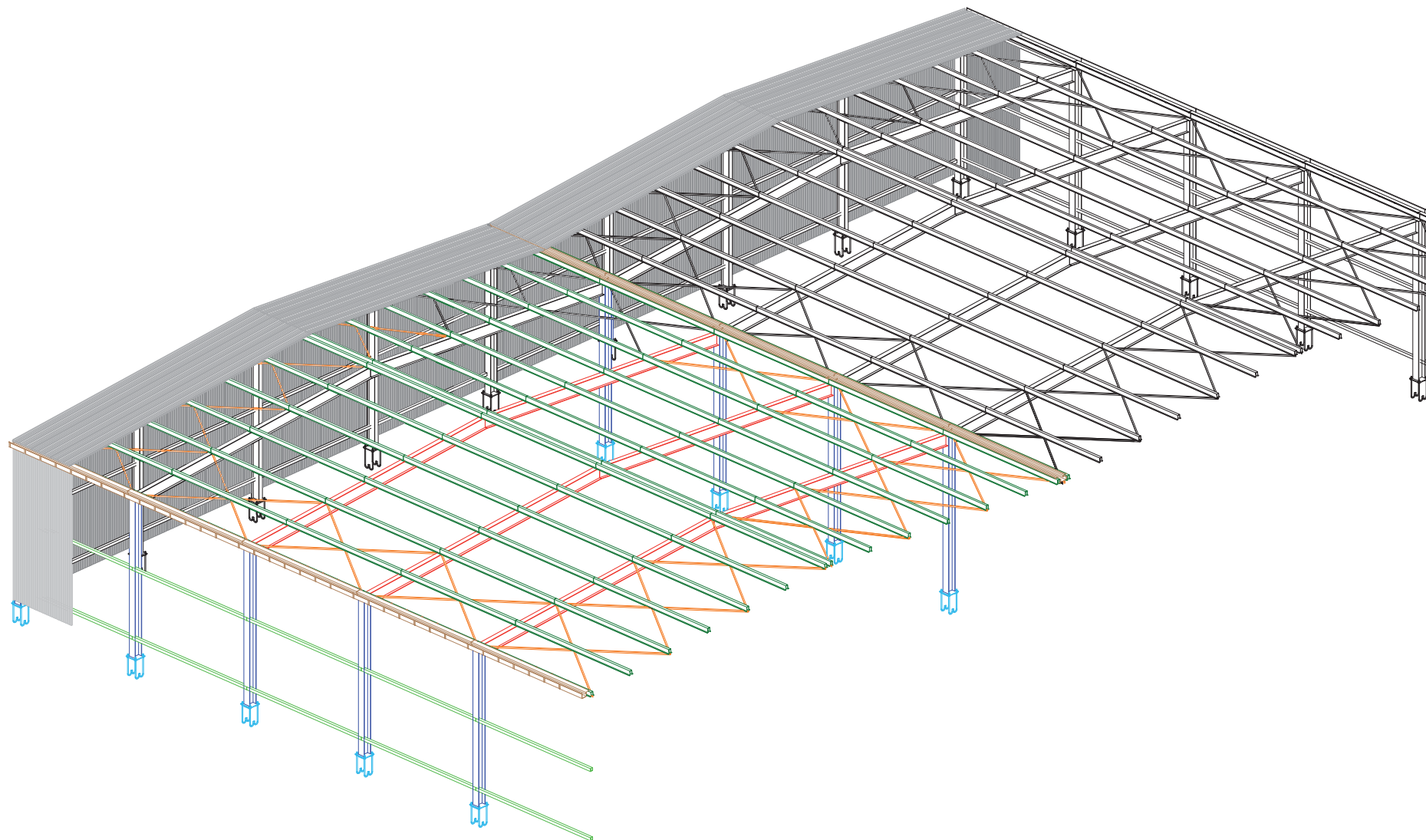
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

C

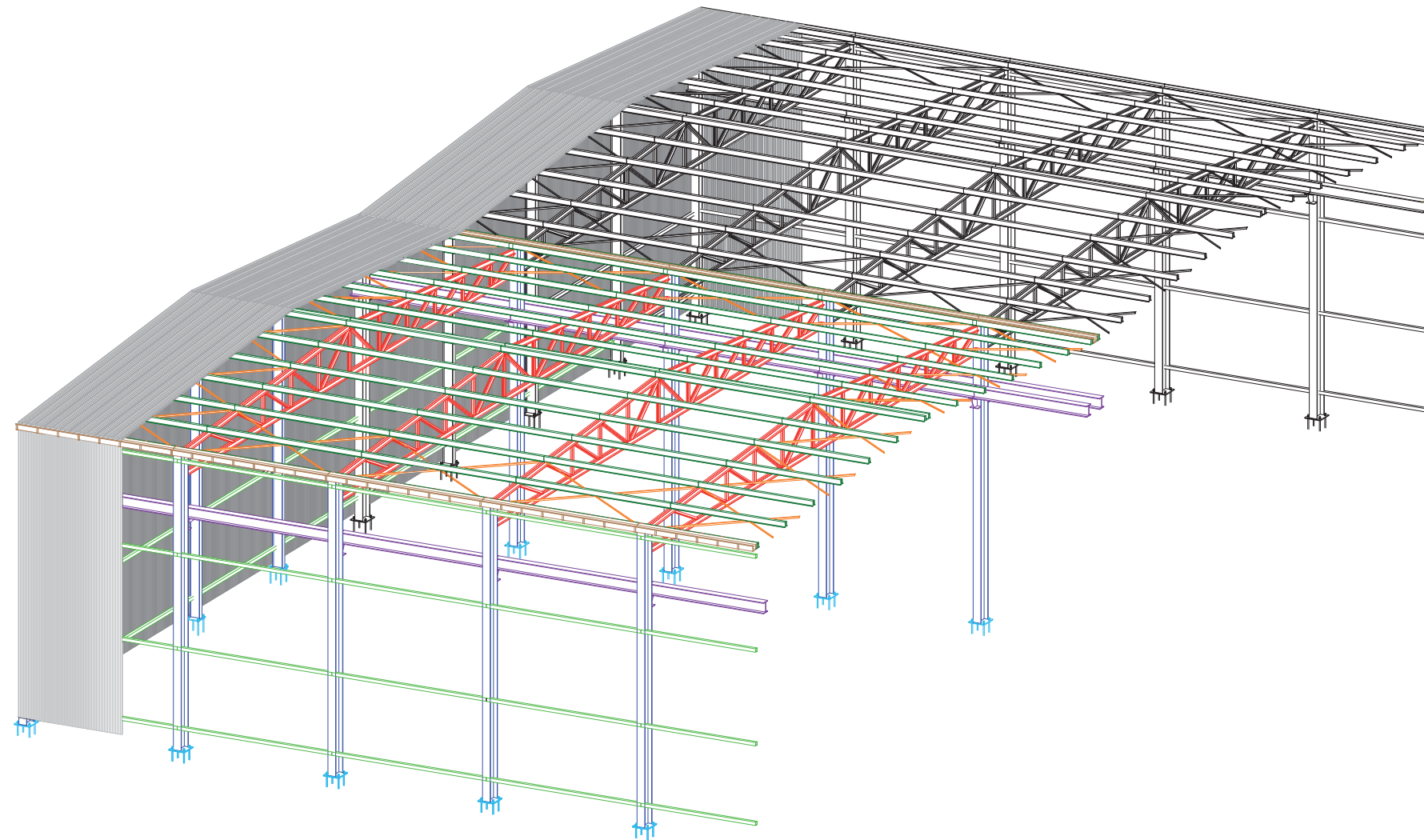
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DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE

D

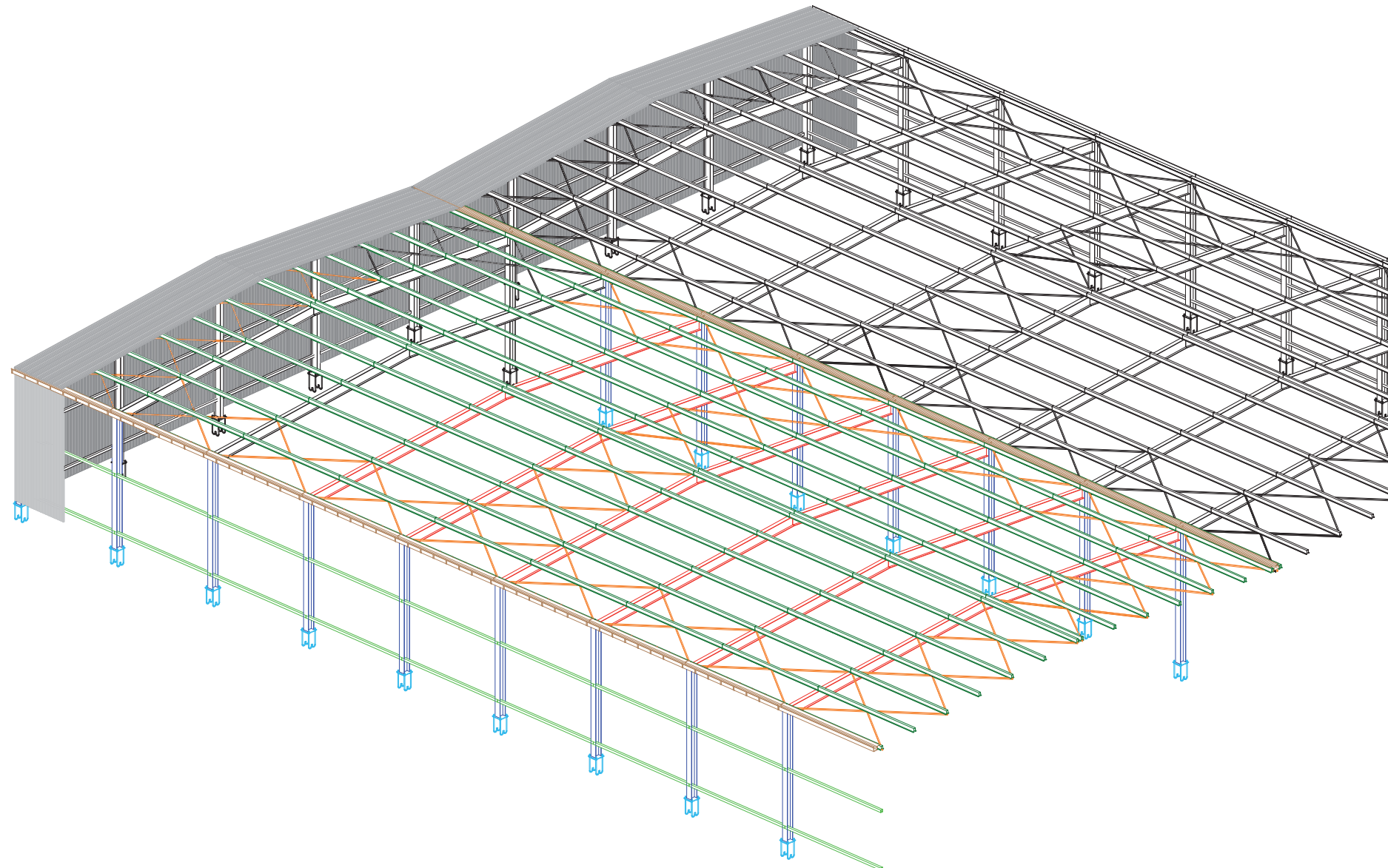
CDA



**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

E

CDA



**DETAILS DE LA CONSTRUCTION
DETAILS CONSTRUCTIVE**

F

CDA

2800

LÉGENDE

Symbole	Description	Symbole	Description
	PEHD PIPE HOT WELDED FOR SEWER TUBAZIONE IN PEAD TERMOSALDATA PER SCARICHI		FIRE EXTINGUISHER ESTINTORE A CO DA 5 kg CON CAPACITÀ ESTINGUENTE 89BC
	PVC PIPE FOR EXTERNAL SEWER TUBAZIONE IN PVC PER SCARICHI ESTERNI		FLOOR DRAIN PILETTA
	PVC PIPE FOR EXTERNAL DRAINAGE TUBAZIONE IN PVC PER DRENAGGI ESTERNI		SEWER SCARICO
	PEHD PIPE HOT WELDED FOR COMPRESSED AIR TUBAZIONE IN PEAD TERMOSALDATA PER ARIA COMPRESSA		VENT THRU ROOF COLONNA DI VENTILAZIONE
	STEEL BLACK PIPE EN 10220 SS FOR COMPRESSED AIR TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ARIA COMPRESSA		STORAGE BOILER CALDAIA CON ACCUMULO
	PEHD PIPE HOT WELDED FOR FIRE FIGHTING SYSTEM TUBAZIONE IN PEAD TERMOSALDATA PER ANTINCENDIO		BALL VALVE VALVOLA A SFERA
	STEEL BLACK PIPE EN 10220 SS FOR FIRE FIGHTING SYSTEM TUBAZIONE IN ACCIAIO NERO EN 10220 SS PER ANTINCENDIO		AUTOMATIC BLOCK VALVE, NORMALLY CLOSED ELETTROVALVOLA DI INTERCETTAZIONE, NORMALMENTE CHIUSA
	PEHD PIPE HOT WELDED UNI ISO 4437 FOR GAS CH4 TUBAZIONE IN PEAD TERMOSALDATA UNI ISO 4437 PER GAS METANO		AUTOMATIC CONDENS DRAINAGE GRUPPO DI DRENAGGIO AUTOMATICO CONDENSA DN 15
	STEEL BLACK PIPE UNI 8863 SS FOR GAS CH4 TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER GAS METANO		GATE BALL-Ø=ØPIPE-PN 16, ISPECTION TRAP IN CONCRETE, WITH COVER VALVOLE DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16 POSTA ENTRO POZZETTO CON CHIUSINO
	PEHD PIPE HOT WELDED FOR POTABLE WATER TUBAZIONE IN PEAD TERMOSALDATA PER ACQUA POTABILE		TRAP IN CONCRETE WITH COVER AND SPLICE POLYETHYLENE STEEL POZZETTO IN CLS CON CHIUSINO E GIUNZIONE POLIETILENE ACCIAIO
	STEEL BLACK PIPE UNI 8863 SS FOR POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA POTABILE		FLOOR DRAIN CADITOIA IN GHISA
	STEEL BLACK PIPE UNI 8863 SS FOR HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS PER ACQUA CALDA POTABILE		TRAP IN CONCRETE WITH COVER, SPLICE POLYETHYLENE STEEL, GATE BALL-Ø=ØPIPE-PN 16 POZZETTO IN CLS CON CHIUSINO, GIUNZIONE POLIETILENE ACCIAIO, VALVOLA DI INTERCETTAZIONE A SARACINESCA-Ø=ØTUBO-PN 16
	PIPING GALVANIZED STEEL RICIRCULATION HOT POTABLE WATER TUBAZIONE IN ACCIAIO ZINCATO UNI 8863 SS ACQUA CALDA RICIRCOLO POTABILE		
	STANDPOST HYDRANT IDRANTE SOPRASSUOLO A COLONNA		
	UNI 45 FIRE HYDRANT, HOSE LENGHT 20 METERS IDRANTE UNI 45, LUNGHEZZA MANICHETTA 20 METRI		
	WATER ATTACK DN 100 FIRE DEPARTMENT ATTACCO MOTOPOMPA DN 100		
	FIRE EXTINGUISHER PORTABLE TYPE ABC 6 kg ESTINTORE PORTATILE A POLVERE DA 6 kg CLASSE 43A-233BC		

PRISMA ENGINEERING SRL

PRIMA ENGINEERING S.p.A.
Via Valsugana, 10
38020 Valdagno di Sopra (TN)
tel. 0461/8718500 fax 0461/8719368

MDI XXX

MAS GROUP

MAGNIFIC A SERVICE

TITOLO (INGLESE)

TITOLO (FRANCESE)



SCALE: 1:???

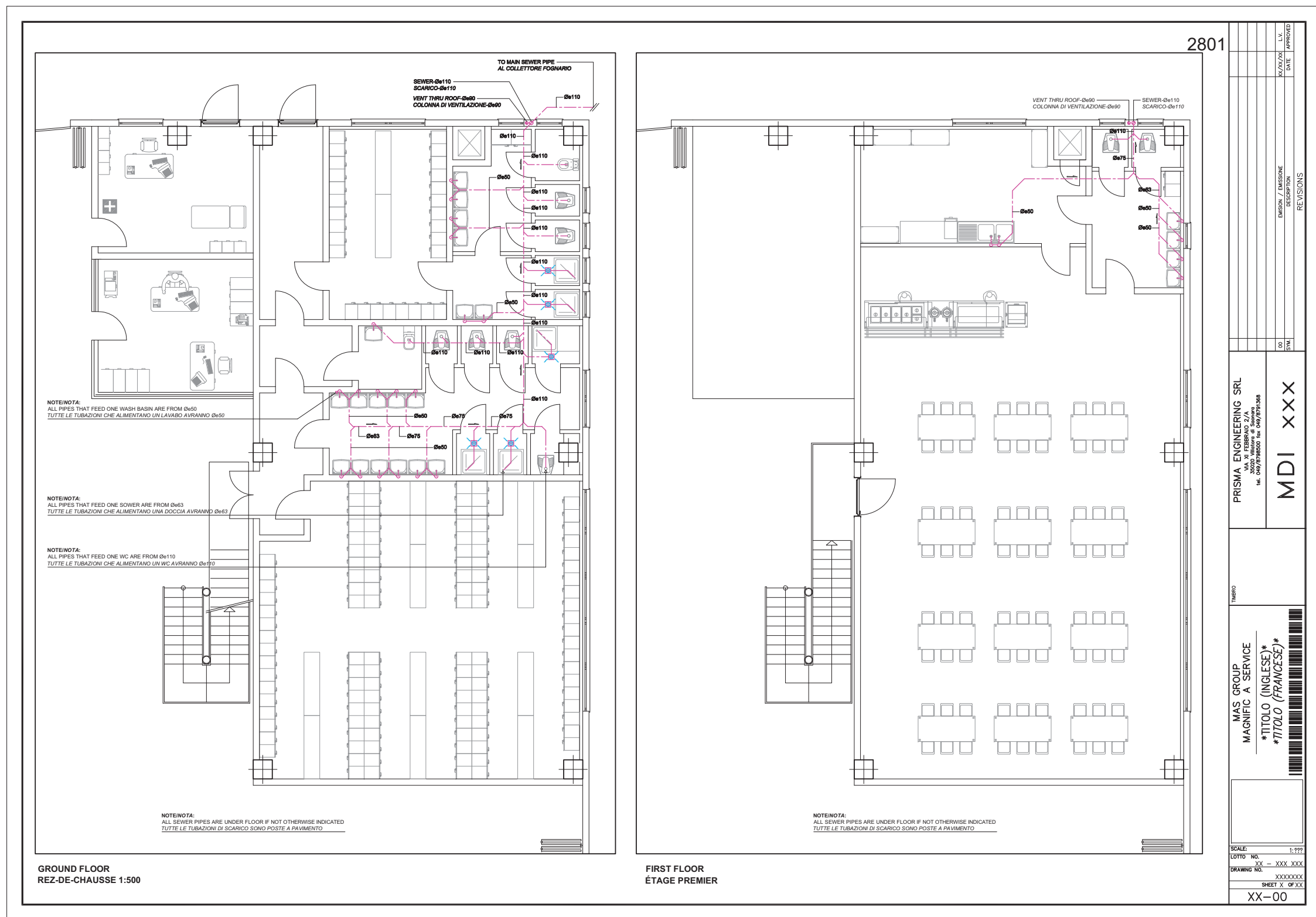
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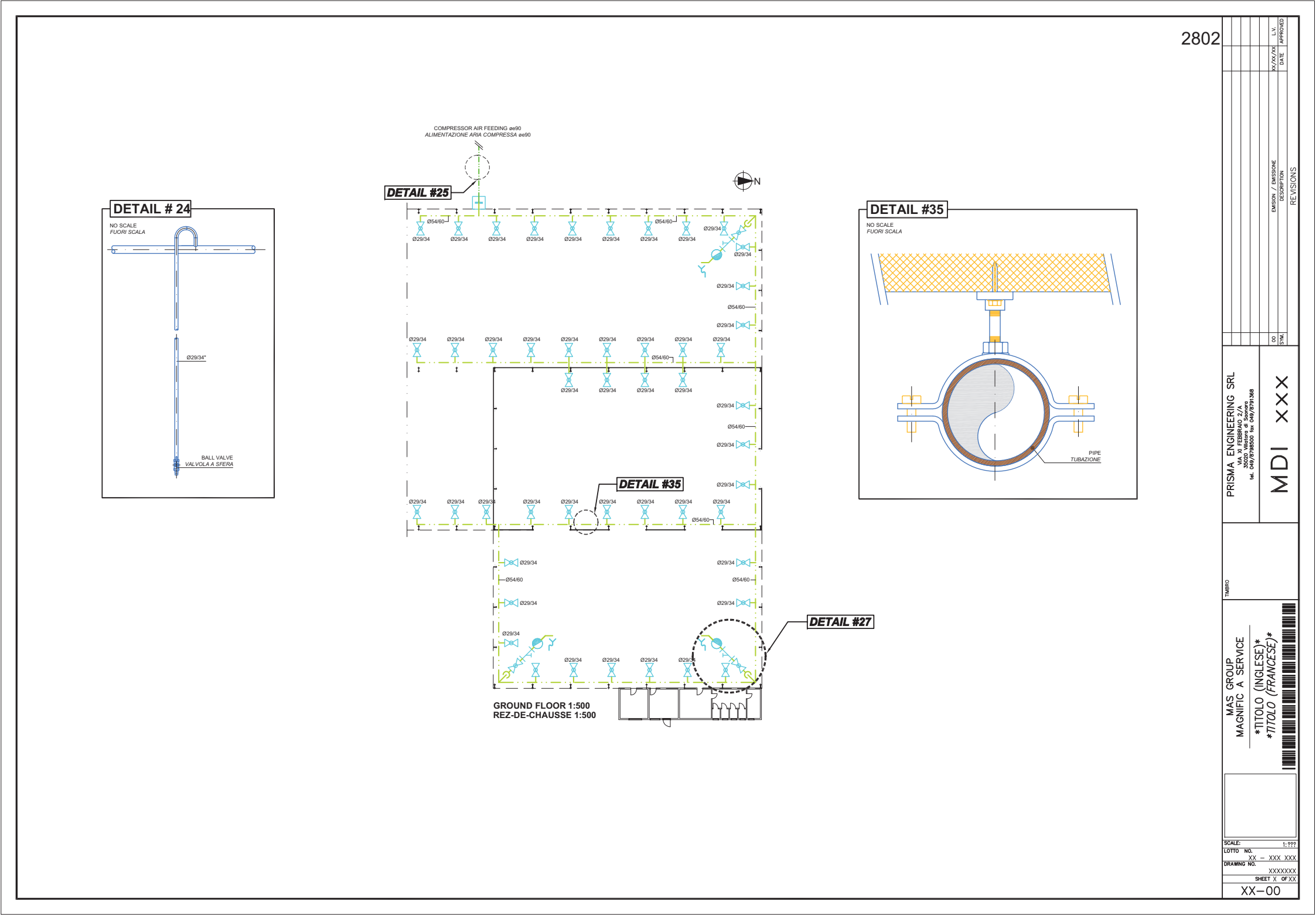
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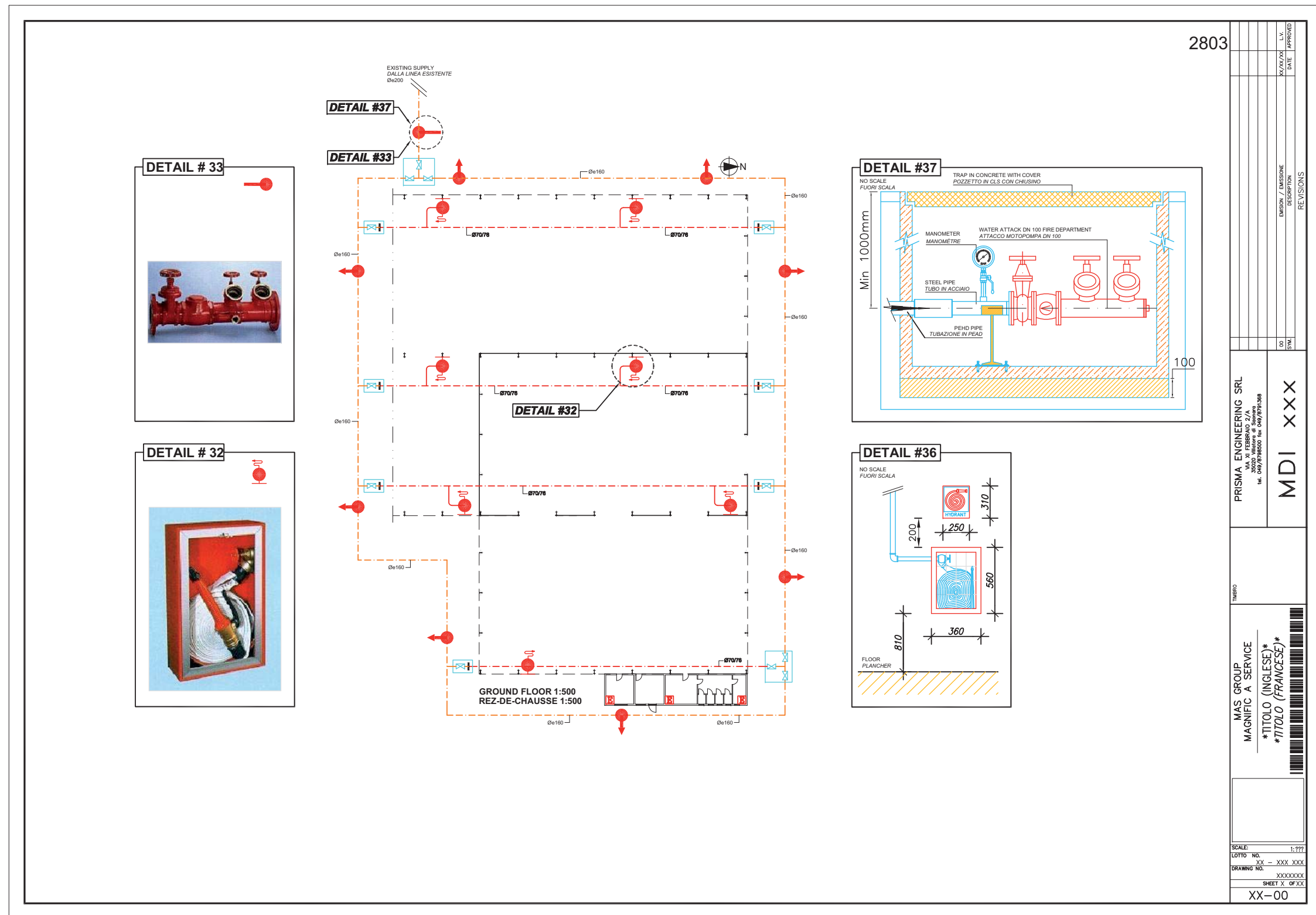
SHEET X OF XX

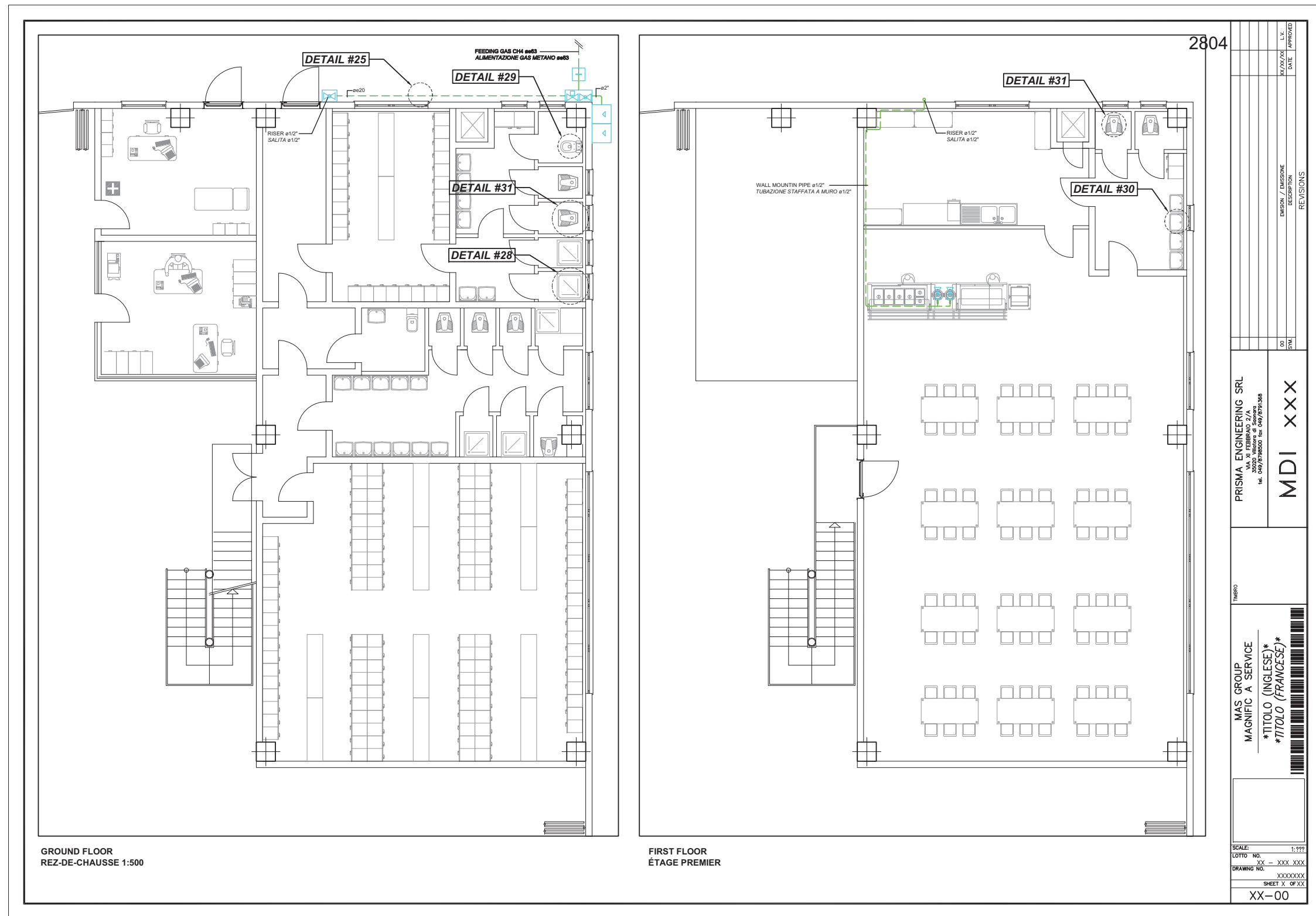
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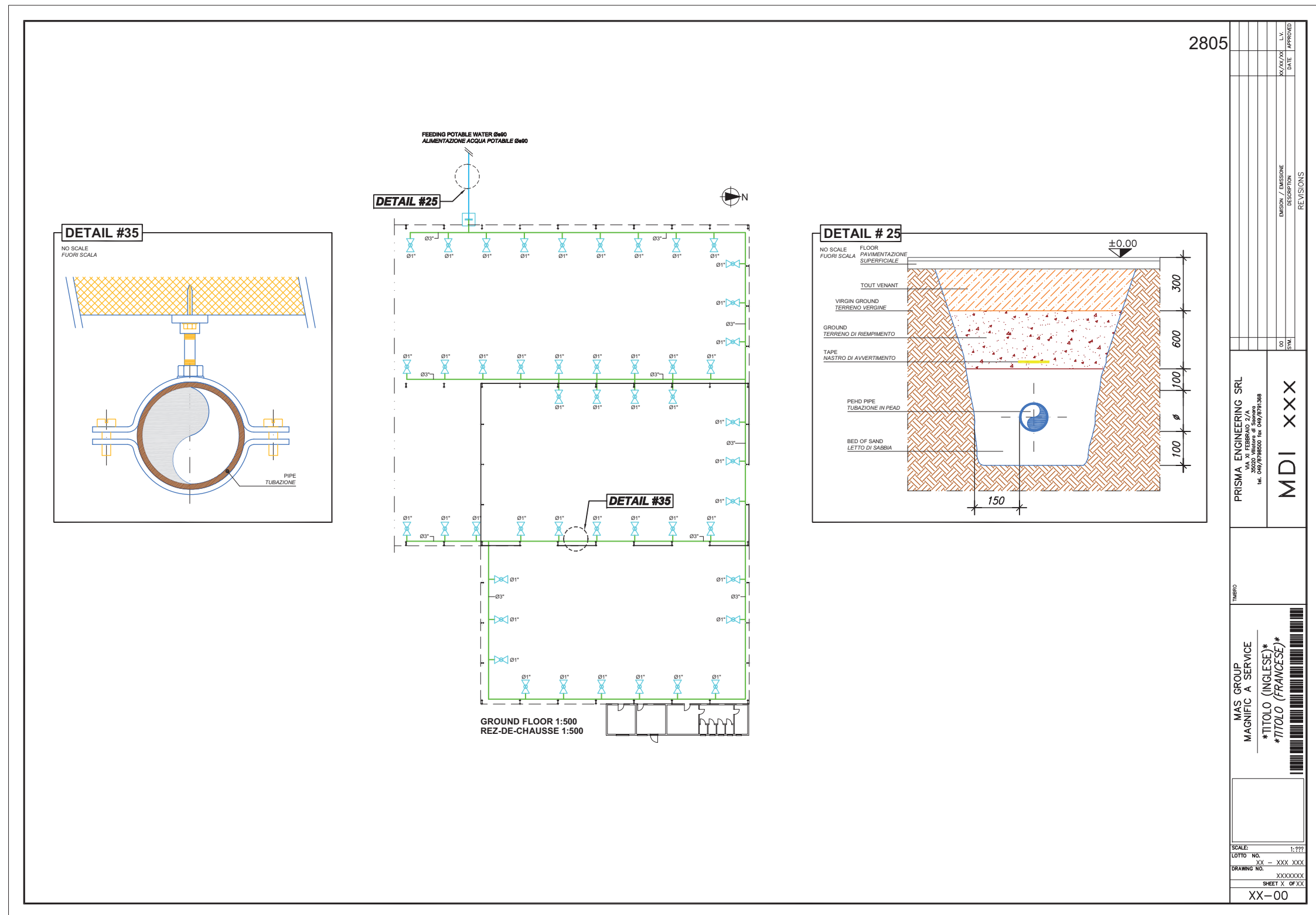




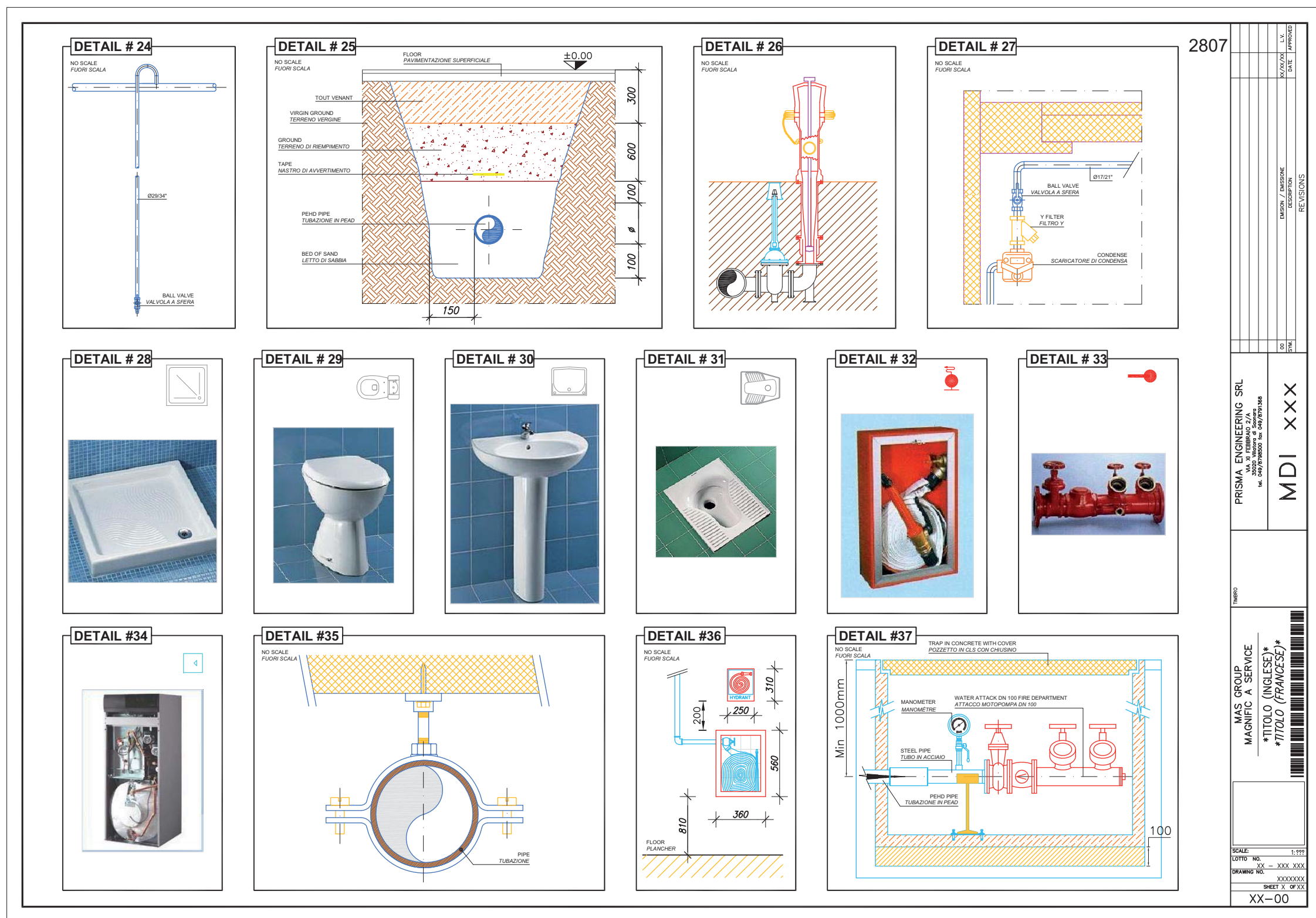




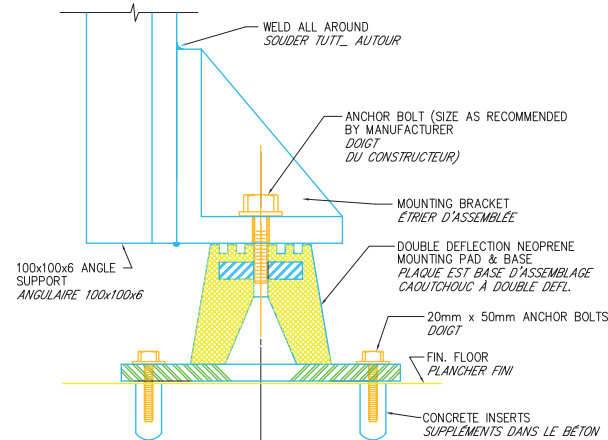






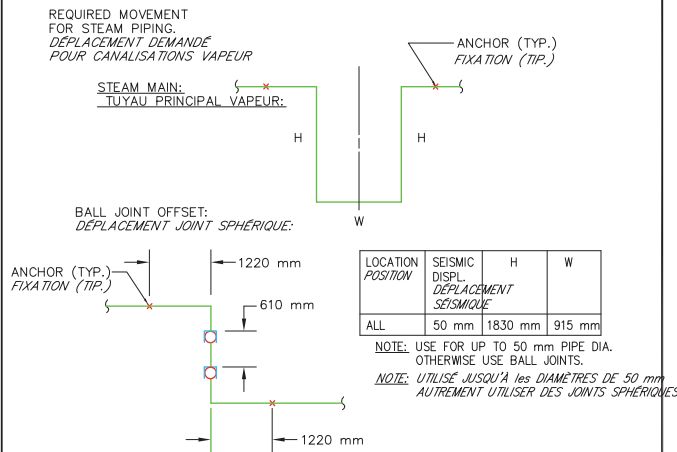


DETAIL #1



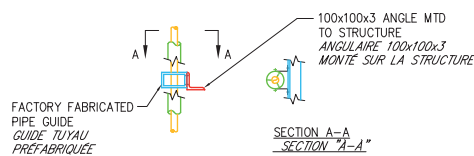
FLOOR SUPPORT DETAIL
NO SCALE
PARTICULIER SUPPORT AU PLANCHER
PAS EN ESCALIER

DETAIL #4



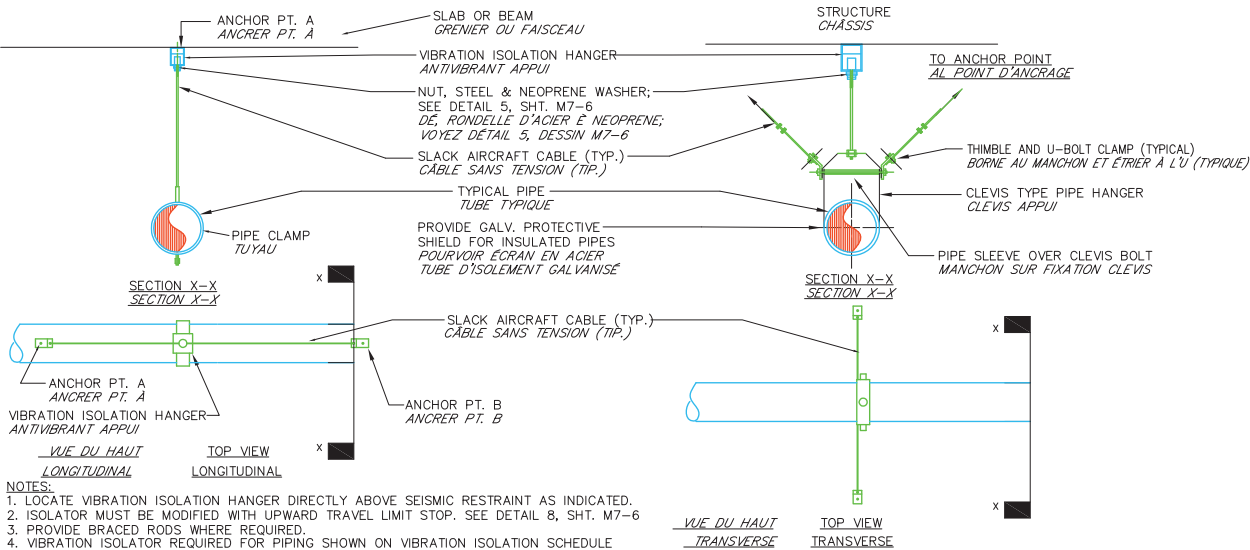
NOTE: OFFSETS SHOWN ARE HORIZONTAL ONLY.
CARACTÉRISTIQUE: LES DÉPLACEMENTS MONTRÉS SONT SEULS HORIZONTAUX
ALTERNATE STEAM SEISMIC JOINT DETAIL
NO SCALE
PARTICULIER D'ASSEMBLÉE SISMIQUE ALTERNATIVES
PAS EN ESCALIER

DETAIL #2



NOTE: INSULATION MUST BE CONTINUOUS THRU GUIDE.
NOTE: IL ISOLEMENT DOIT ÊTRE CONTINU À TRAVERS LE GUIDE
PIPE GUIDE DETAIL
NO SCALE
PARTICULIER GUIDE DE ROUCOULE
PAS EN ESCALIER

DETAIL #5



NOTES:
1. LOCATE VIBRATION ISOLATION HANGER DIRECTLY ABOVE SEISMIC RESTRAINT AS INDICATED.
2. ISOLATOR MUST BE MODIFIED WITH UPWARD TRAVEL LIMIT STOP. SEE DETAIL 8, SHT. M7-6
3. PROVIDE BRACED RODS WHERE REQUIRED.
4. VIBRATION ISOLATOR REQUIRED FOR PIPING SHOWN ON VIBRATION ISOLATION SCHEDULE SHT M7-6.
NOTE:
1. POSITIONNER LA SUSPENSION ANTIVIBRANTE DIRECTEMENT SUR LA SÛRETÉ ANTISISMICA COMME INDIQUE.
2. L'ISOLATEUR DOIT ÊTRE MODIFIÉ AVEC L'ADDITION DE LIMITES AU MOUVEMENT VERTICAL. TU VOIS SPECIAL 8, TABLE M7-6
3. POURVOIR TRACTION OÙ DEMANDÉ.
4. LES ISOLATEURS ANTIVIBRANT DEMANDÉ ÊTE MONTRÉ SUR LE TABLEAU RELATIF SUR TABLE M7-6
RESTRAINT DETAIL-VIBRATION ISOLATED PIPING / PARTICOLARE BLOCCO SPOSTAMENTI - TUBI ISOLATI DALLE VIBRAZIONI
NO SCALE
PAS EN ESCALIER

PRISMA ENGINEERING SRL
Via Valsugana, 10
38020 Valsugana di Sopra
tel. 0461/879800 fax 0461/8791368

MDI XXX

MAS GROUP
MAGNIFIC A SERVICE
TITOLO (INGLESE)
TITOLO (FRANCESE)

SCALE: 1:1000
LOTTO NO. XX - XXX XXX
DRAWING NO. XXXXXXX
SHEET X OF XX
XX-00



DETAIL # 12

MOTOR WITH DISCONNECT SWITCH
MOTEUR AVEC DU SEZIONATORE

COOLING TUBE
PIPE DE REFROIDISSEMENT

ROUE DU VENTILATEUR CENTRIFUGE
ROUE CENTRIFUGE

PREFABRICATED CURB FLASHING
AND COUNTER
BOITE POUR PIPES PREFABRIQUE
IMPERMEABILISATION ET PROTECTION

CAULK ALL AROUND
AU JOINT

PROVIDE FOAM RUBBER GASKET BETWEEN
FAN AND ROOF CURB ALL AROUND
POURVOIR GARNITURES EN MOUSSE DE GOMME
ENTRE VENT ET BOITE TOUT ATOUR

UPBLAST EXHAUST FAN DETAIL
NO SCALE
*PARTICULIER EXTRACTEUR AU JET VERTICAL
PAS EN ESCALIER*

DETAIL # 13

WATER TIGHT INSULATED BOX AND COVER
CASSETTE ET COUVERCLE A TENUE

CURB SHALL BE SIZED TO ACCOMIDATE PIPING
PASSING THRU ROOF. SEE ROOF PLANS FOR
LOCATIONS.
LE BOITE DO ETE DIMENSIONATO POUR
ACCUEILLIR LES TUYAUX PASSANT, TU VOIS PLANTE
POUR LA POSITION.

PIPING SEE ROOF PLANS FOR SIZE
AND QUANTITY.
PIPE VOIR L'USINE POUR LE NOMBRE
ET DIMENSION.

PIPING SEE ROOF PLANS FOR SIZE
AND QUANTITY.
PIPE VOIR L'USINE POUR LE NOMBRE
ET DIMENSION.

WATER TIGHT SLEEVE (TYP)
MANCHON A TENUE (TYP)

FURNISH CURB WITH EXTENSION. HEIGHT TO
SUIT INSULATION THICKNESS IN AREA LOCATED.
CURB SHALL EXTEND A MINIMUM OF 210 mm
ABOVE FINISHED ROOF.
FOURNIR LE BOITE AVEC ETENDUE HAUT
POUR S'ADAPTER A L'ISOLEMENT DE LA PLACE.
LE BOITE ON DO ETENDRE MOINDRE 210mm
AU-DESSUS DE LA COUVERTURE FINIE

PROVIDE FOAM RUBBER GASKETING
WITH WATER PROOF CAULKING ALL
4 SIDES BETWEEN NAILER AND BOX
POURVOIR GARNITURE EN GOMME
CACHETAGE ANTINTEMPERIE SUR LES
4 COTES ENTRE LIAISON ET CAISSE

PREFAB CURB
BOITE POUR PIPES PREFABRIQUE

ROOF INSULATION- APPROXIMATE
100 mm THICK VERIFY
IMPERMEABILISATION COUVERTURE
ENVIRON 100mm A VERIFIER

STRUCTURAL DECK
CHASSIS

PIPE CURB DETAIL
NO SCALE
*PARTICULIER REVENU TUBES
PAS EN ESCALIER*

DETAIL # 14

STRUCTURAL SLAB
GRENIER

EXPANSION ANCHOR BOLTS
DOIGT D'EXPANSION

MACHINE BOLTS
BULLONI

VERTICAL Δ HANGER
VERTICAL Δ STIRRUP

TRANSVERSE Δ BRACE
TRACTION Δ

HORIZONTAL Δ BRACE
HORIZONTAL Δ STIRRUP

DUCT WORK
CANAL

SELF-TAPPING SHEET
Le METAL VISSE @ 450mm
CENTERS (TYP. 4
DUCT SIDES)

SELF-TAPPING SCREWS
METALLIQUES CHAQUE 450mm
(TYPIQUE POUR 4 COTES)

SECTION "A-A"
SECTION "A-A"

LATERAL RESTRAINT DETAIL-DUCTWORK
NO SCALE
*PARTICULIER RESTRICTION LATÉRAL - CANAUX
PAS EN ESCALIER*

DETAIL # 15

REQUIRED MOVEMENT OF 13 mm UP TO AND INCLUDING 50 mm
FOR COPPER PIPING 15 THRU 80 mm I.D.
DEPLACEMENT DEMANDE DE 13mm JUSQU'A ET COMPRIS 50mm
POUR TUYAUX EN CUIVRE DE 15 JUSQU'A les 80mm D.I.

ANCHOR (TYP.)
FIXATION (TYP.)

SEISMIC JOINT
JOINT SISMIQUE

ANCHOR (TYP.)
FIXATION (TYP.)

OR
VERTICAL OFFSET-COULD
BE UP OR DOWN
LE DEPLACEMENT VERTICAL
IL POURRAIT ETRE EN HAUT
OU EN BAS

HORIZONTAL OFFSET
DEPLACEMENT HORIZONTAL

BRAIDED CORRUGATED
BRONZE HOSE
TUBE FROISSE
FILET DE BRONZE

ANCHOR (TYP.)
FIXATION (TYP.)

BRAIDED CORRUGATED
BRONZE HOSE
TUBE FROISSE
FILET DE BRONZE

R=MIN. CENTERLINE
BEND RADIUS
RAYON DE COURBURE
MINIMUM PRIS SUR L'AXE

OFFSET-REQUIRED MOVEMENT
MOUVEMENT DE DEPLACEMENT DEMANDE

SELECT LENGTH OF HOSE SO THAT FOR REQUIRED OFFSET OR
MOVEMENT, THE MINIMUM CENTERLINE BEND RADIUS IS NOT LESS
THAN MFG'S RECOMMENDED BEND RADIUS FOR INTERMITTENT FLEXING.
CHOISIR LA LONGUEUR DU TUYAU DE MANIERE QUE POUR LE DEPLACEMENT
DEMANDE OU LE MOUVEMENT, LE RAYON DE COURBURE MINIMUM PRIS
SUR L'AXE IL NE S'AVERE PAS INFÉRIEUR AU FAISCEAU DE COURBER RECOMMANDE
TU DONNES CONSTR. POUR FLECHISSEMENT INTERMITTENT

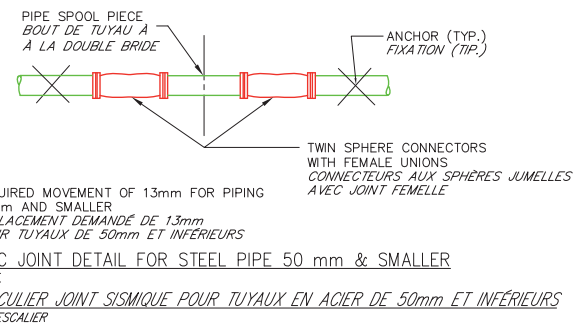
SEISMIC JOINT DETAIL FOR COPPER PIPING 15 THRU 80 mm I.D.
NO SCALE
*S SPÉCIAL JOINT SISMIQUE POUR TUYAUX DE CUIVRE DE 15 Aux 80 mm D.I.
PAS EN ESCALIER*

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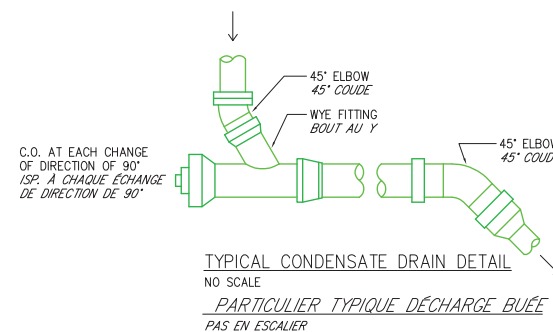
FUTURE OF AFRICA

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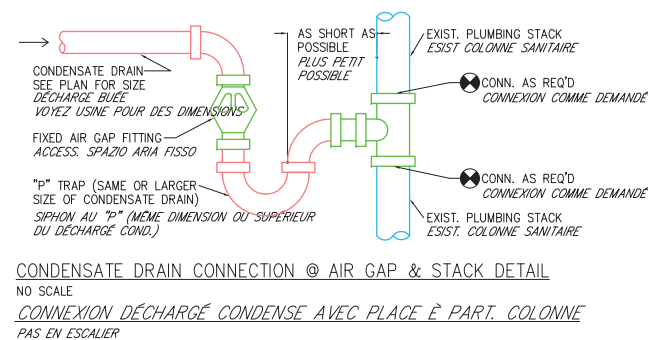
DETAIL # 16



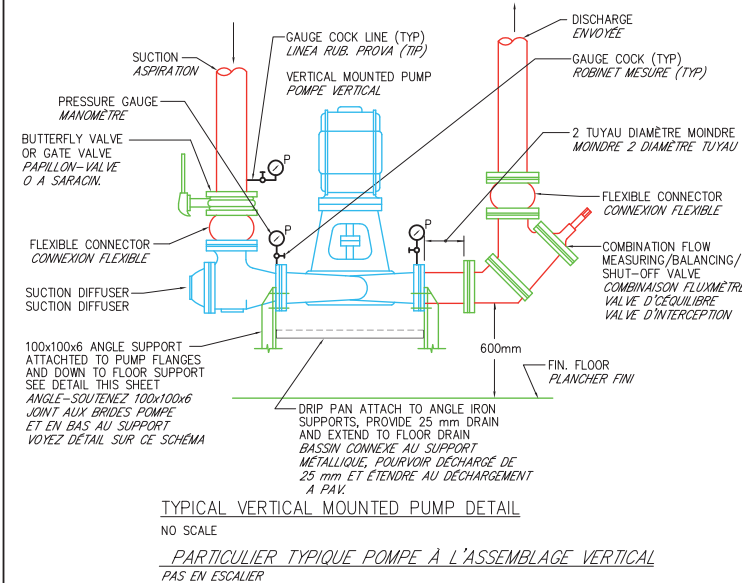
DETAIL # 18



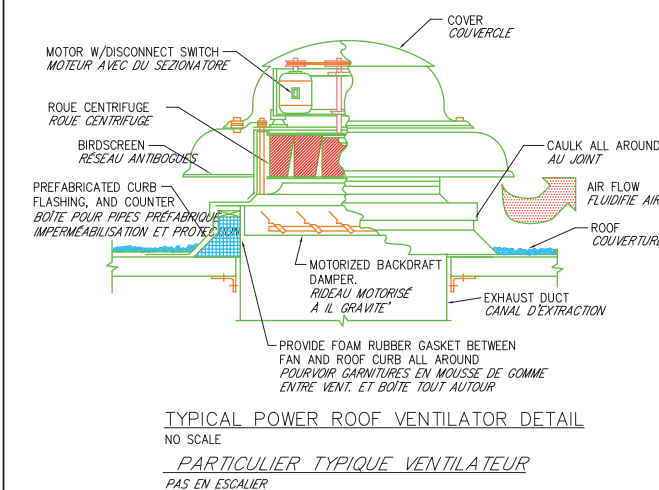
DETAIL # 20



DETAIL # 17



DETAIL # 19



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PRIMA ENGINEERING SRL

Via V.le dell'Industria, 10
30020 Vidor (PD) - Italy
Tel. 049/8791800 Fax 049/8791368

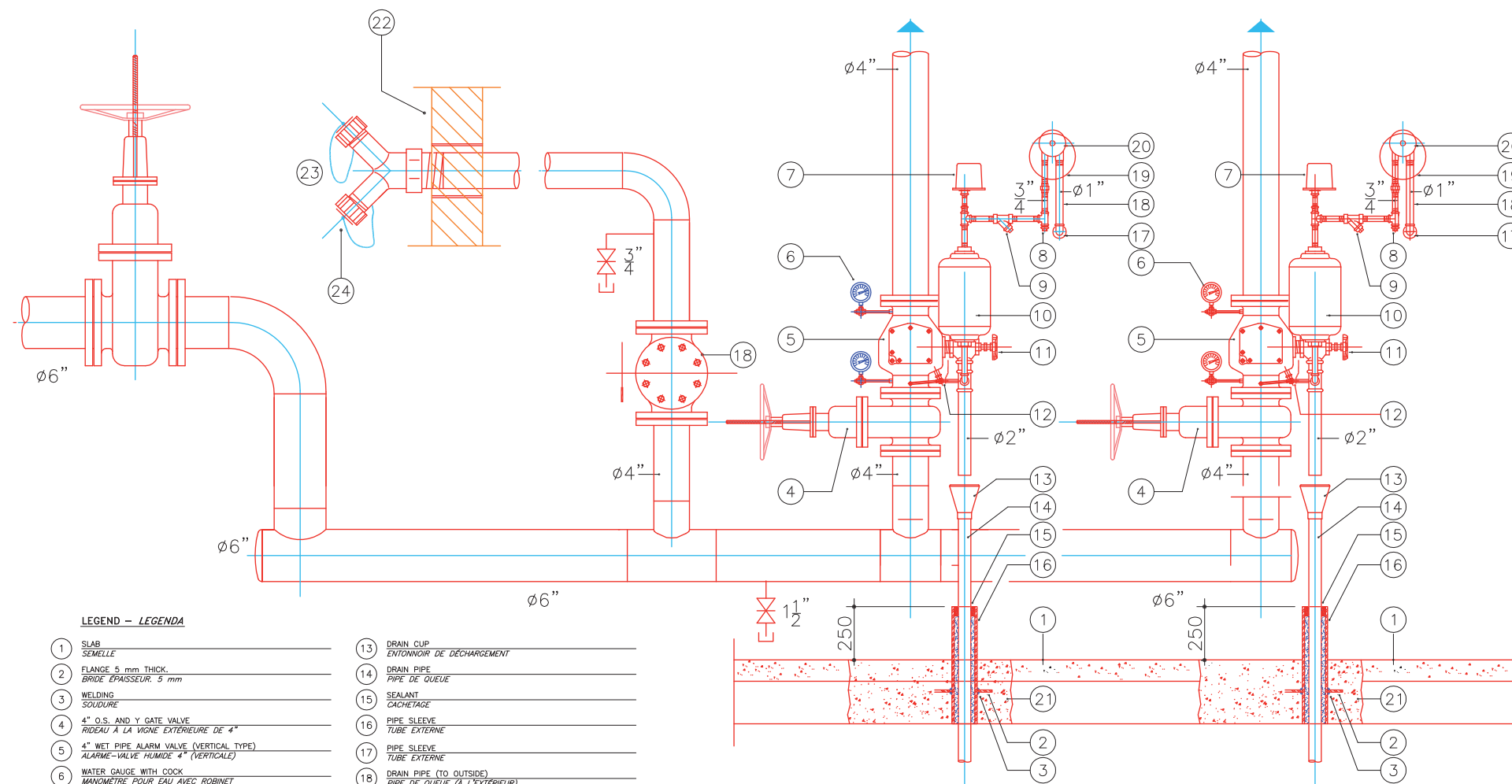
MDI XXX

MAS GROUP
MAGNIFIC A SERVICE

TTITOLO (INGLESE)
TTITOLO (FRANCESE)

SCALE: 1:100
LOTTO NO. XX - XXX XXX
DRAWING NO. XXXXXXX
SHEET X OF XX
XX-00


DETAIL # 21



LEGEND – LEGENDA

- | | | | |
|------|--|------|--|
| (1) | SLAB
SEMELLE | (13) | DRAIN CUP
ENTONNOIR DE DECHARGEMENT |
| (2) | FLANGE 5 mm THICK.
BRIDE ÉPAISSEUR 5 mm | (14) | DRAIN PIPE
PIPE DE QUEUE |
| (3) | WELDING
SOUDEURE | (15) | SEALANT
CACHETAGE |
| (4) | 4" O.S. AND Y GATE VALVE
RÉSEAU À LA VIGNE EXTÉRIEURE DE 4" | (16) | PIPE SLEEVE
TUBE EXTÉRIEURE |
| (5) | 4" WET PIPE ALARM VALVE (VERTICAL TYPE)
ALARME-VALVE HUMIDE 4" (VERTICALE) | (17) | PIPE SLEEVE
TUBE EXTÉRIEURE |
| (6) | WATER GAUGE WITH COCK
MANOMÈTRE POUR EAU AVEC ROBINET | (18) | DRAIN PIPE (TO OUTSIDE)
PIPE DE QUEUE (À L'EXTÉRIEUR) |
| (7) | PRESSURE SWITCH
SONDE DE PRESSION D'ALARME | (19) | GONG
GLOCHE D'ALARME |
| (8) | PLUG
STOPPER | (20) | WATER MOTOR
MOTEUR HYDRAULIQUE |
| (9) | STRAINER
RAMASSEUR D'IMPURETÉ" | (21) | NON SHRINKING GROUT
ANTIRETRAIT MALTE |
| (10) | RETARD CHAMBER
CHAMBRE DE RETARD | (22) | EXTERIOR WALL SURFACE
PART EXTERIEUR MUR |
| (11) | 2"ANGLE VALVE (MAIN DRAIN VALVE)
SQUARE-VALVE 2" (VALVE PRINCIPALE DE DRAINAGE) | (23) | 4"x2-1/2"x2-1/2" FIRE DEPARTMENT CONNECTION
ATTRAQUE ANTIEUX 4"x2-1/2"x2-1/2" |
| (12) | ALARM TEST TRIM
DISPOSITIFS DE CONTRÔLE ET ALARME | (24) | CAP AND CHAIN
TÂQUET ET CHÂÎNE |

ALARM VALVE ASSEMBLY
WET PIPE

GROUPE SOUPAPE D'ALARME
MODÈLE HUMIDE

NOT TO SCALE
PAS EN ESCALIER

SCALE: 1:1 LOTTO NO. XX - XXX X DRAWING NO. XXXXXX SHEET X OF XX-00		MAS GROUP MAGNIFIC A SERVICE _____ *TITOLO (INGLESE)* *TITOLO (FRANCESE)*		IMBRO PRISMA ENGINEERING SRL VIA F. PETRARCA 2/A 33020 V. FRAZIOLO DI G. tel. 049/6798500 fax 049/6791548		MDI XXX 00 DESCRIZIONE DATA L.V. APPROV.		1
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SCALE: 1:2 LOTTO NO. XX - XXX XX DRAWING NO. XXXXXXXX SHEET X OF 2 XX-00		MAS GROUP MAGNIFIC A SERVICE _____ *TITOLO (INGLESE)* *TITOLO (FRANCESE)* 		TIMBRO PRISMA ENGINEERING SRL Via Industria 1/A 35020, Vettore di Sossano Tel. 049/7798500 fax 049/7791368 MDI XXX		EMISION / EMISSION DESCRIPTION DATE L.V. APPROVED		2
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