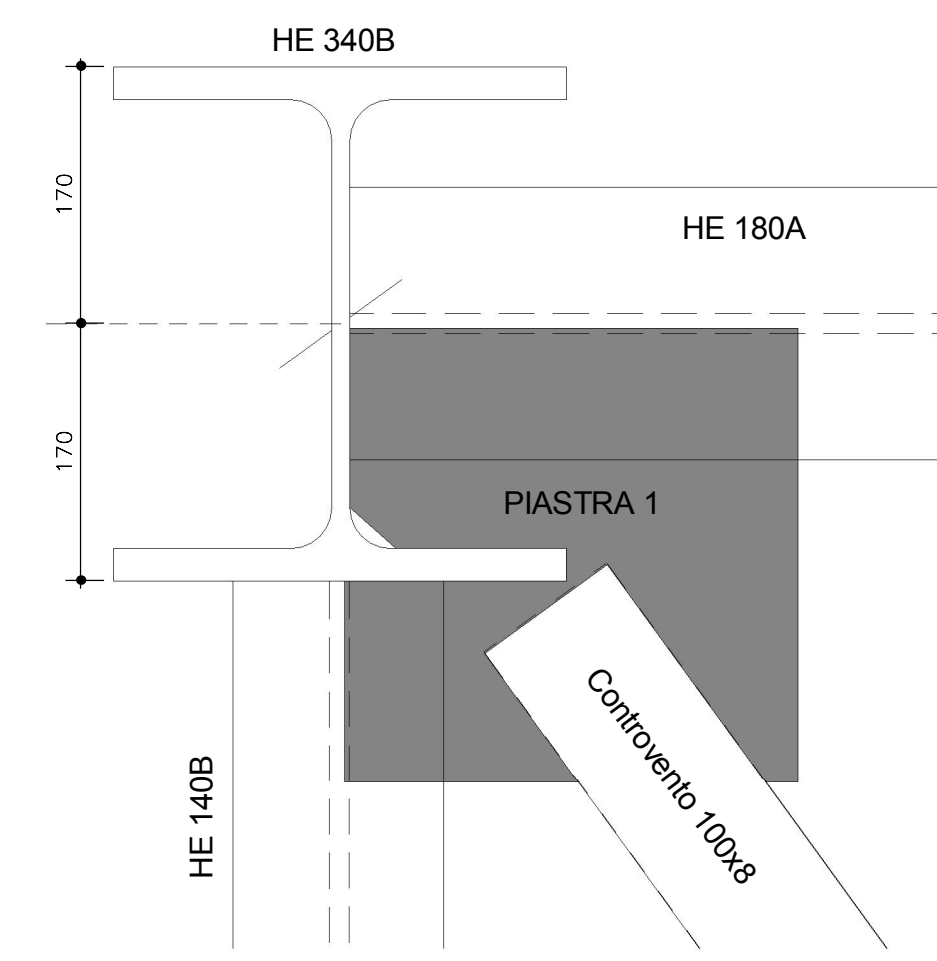


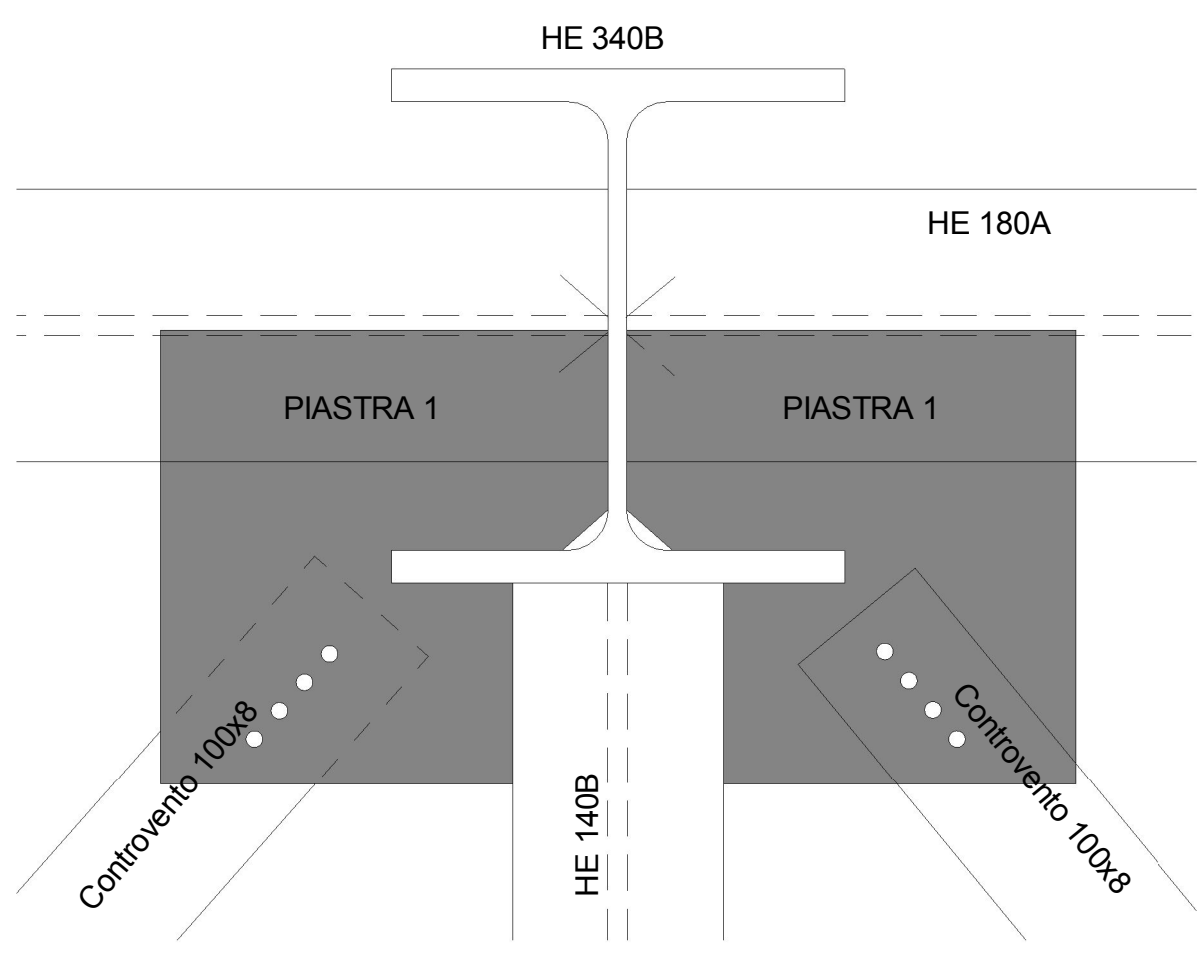
S-L0 NODI S1-S10

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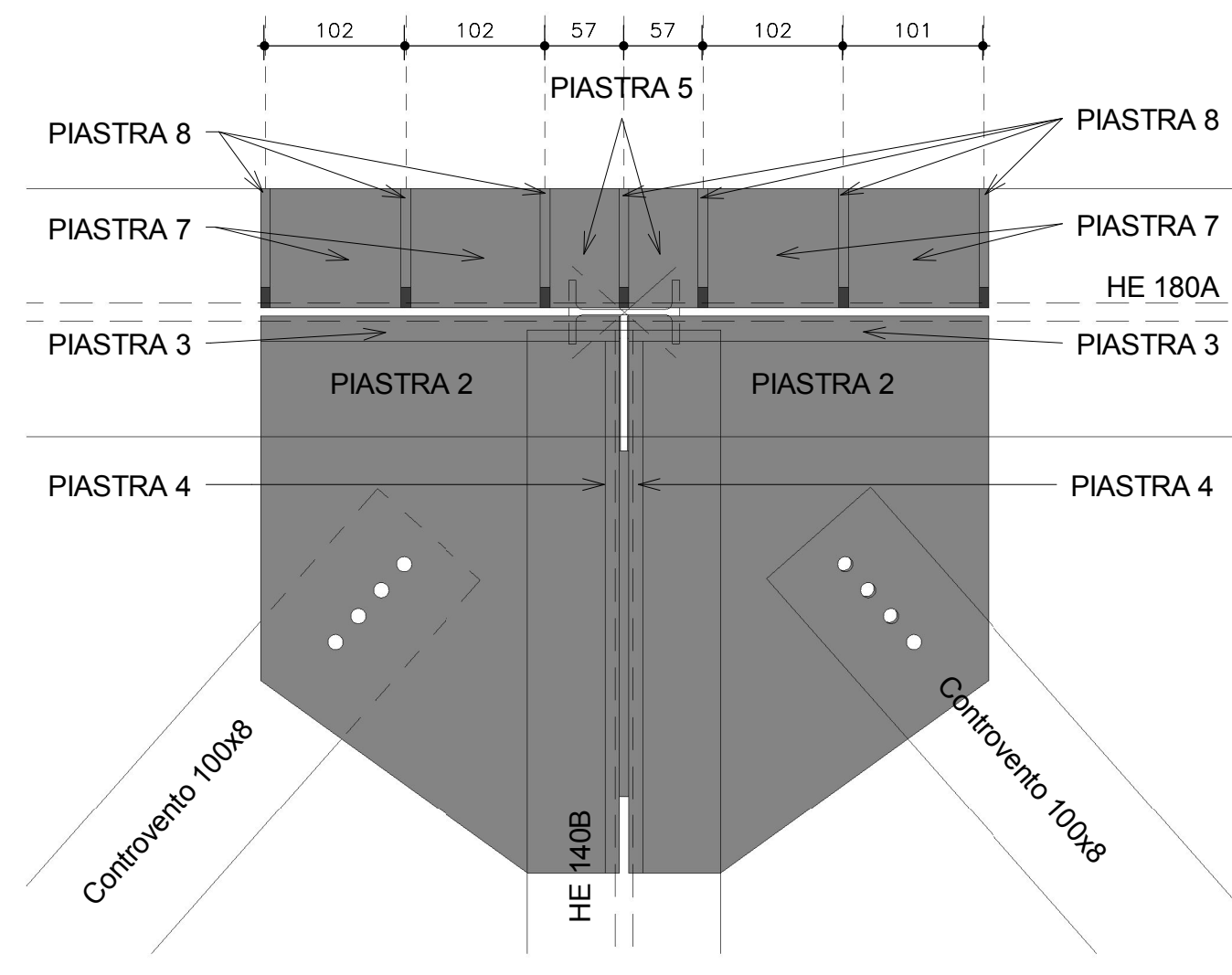
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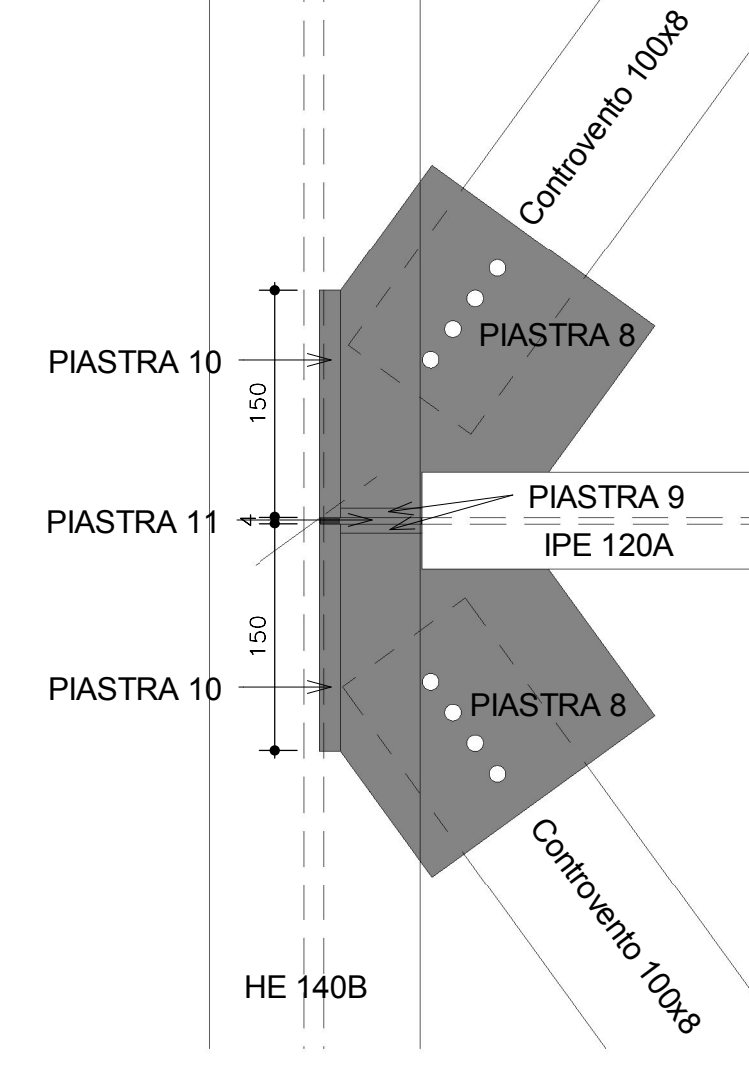
S-L0 NODI S2-S5-S7-S9

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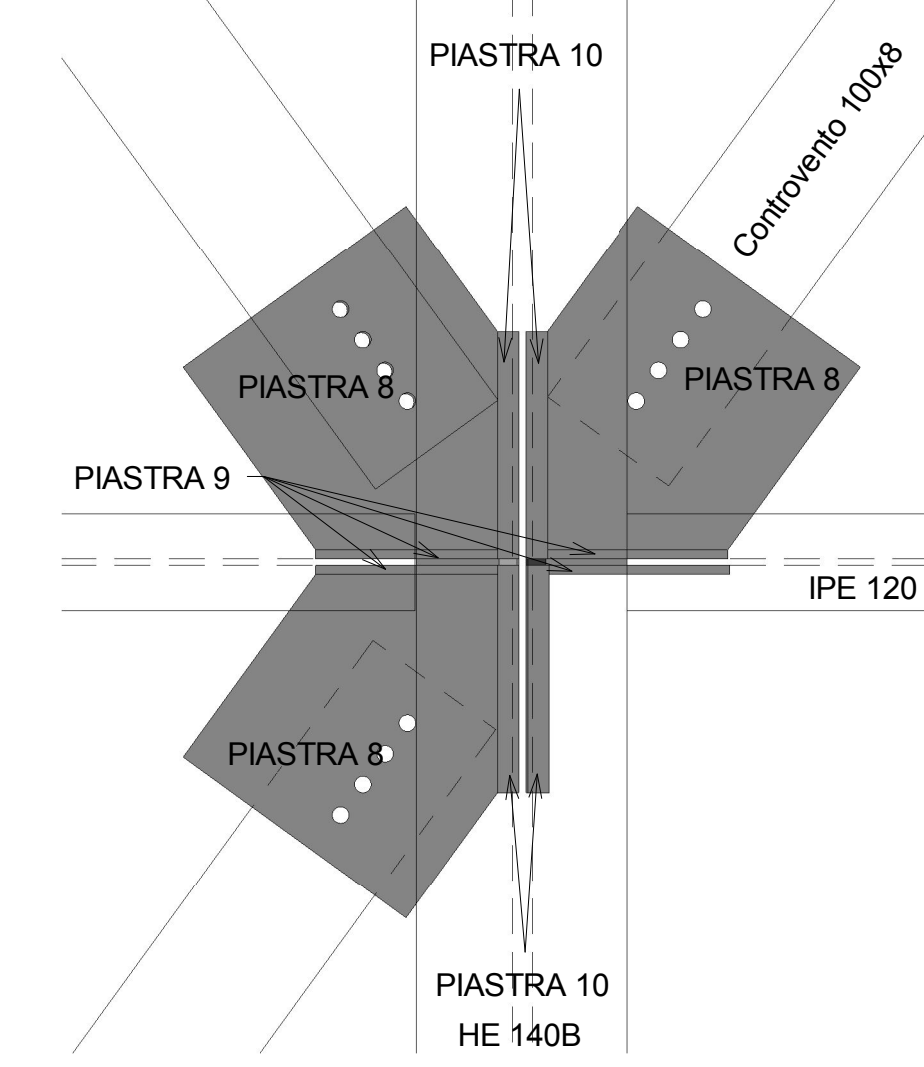
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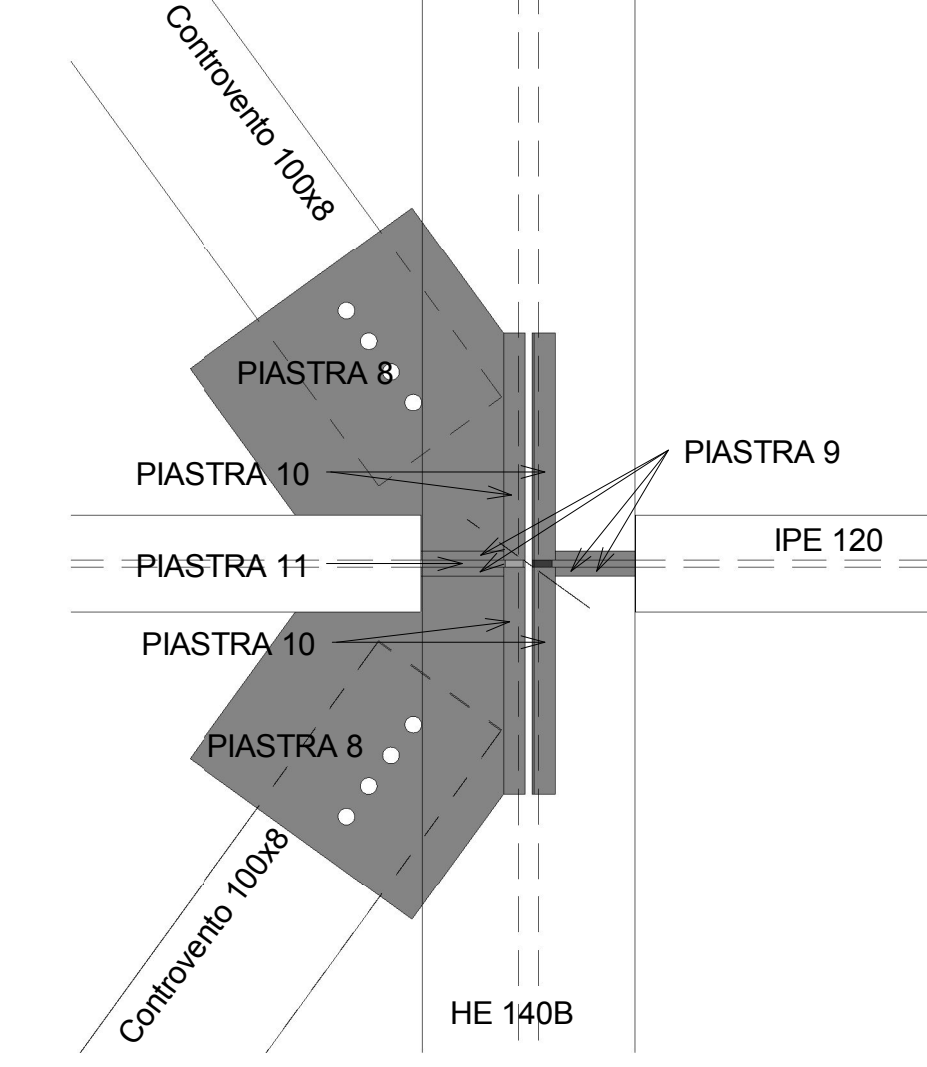
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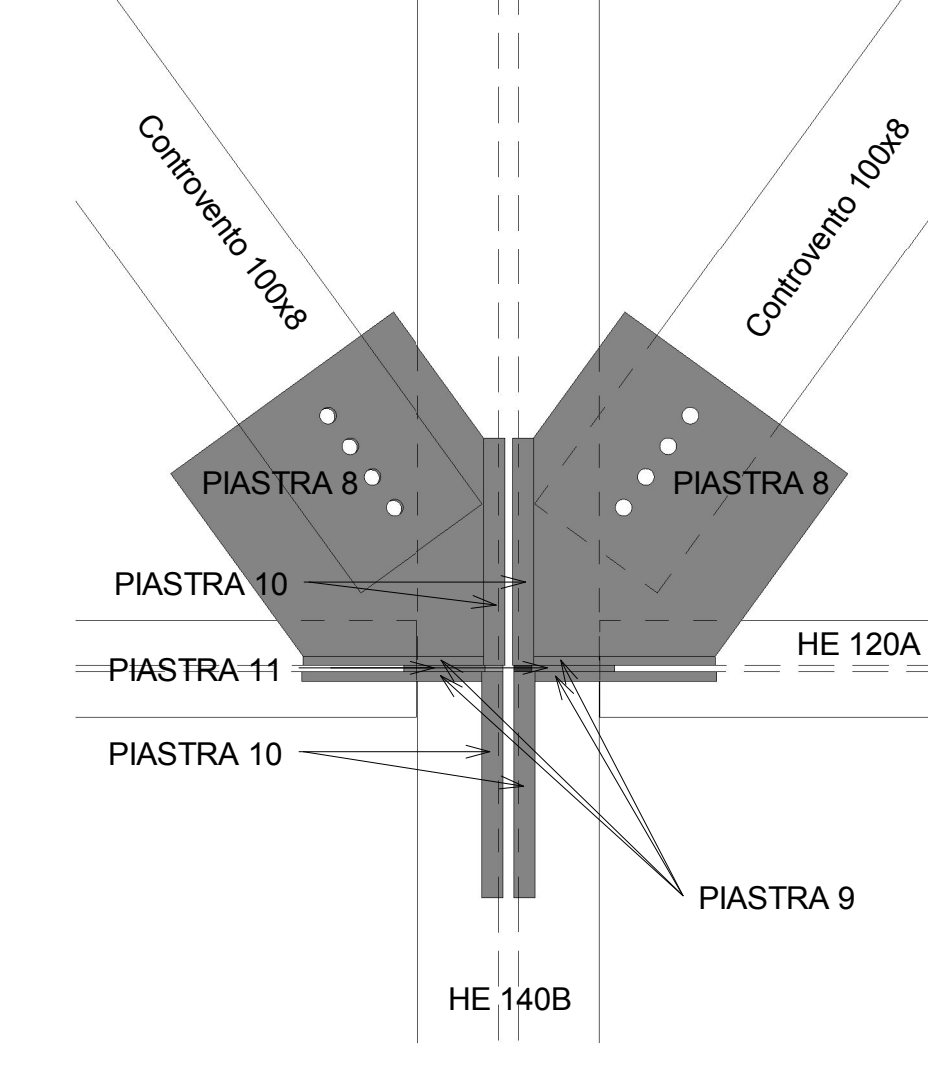
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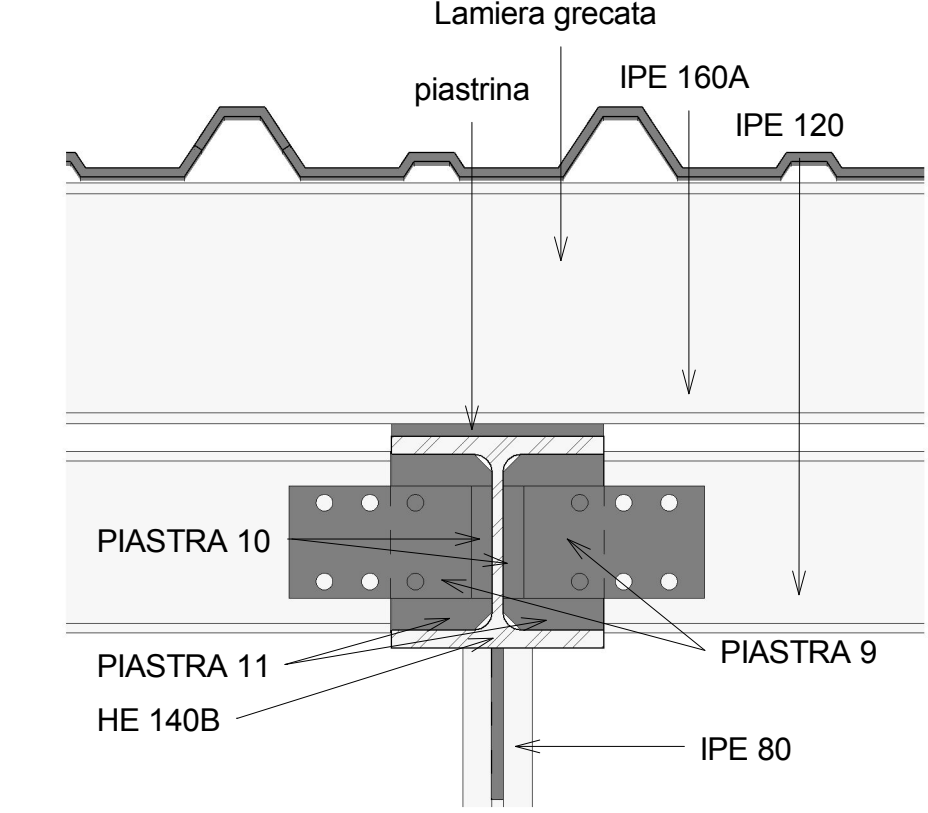
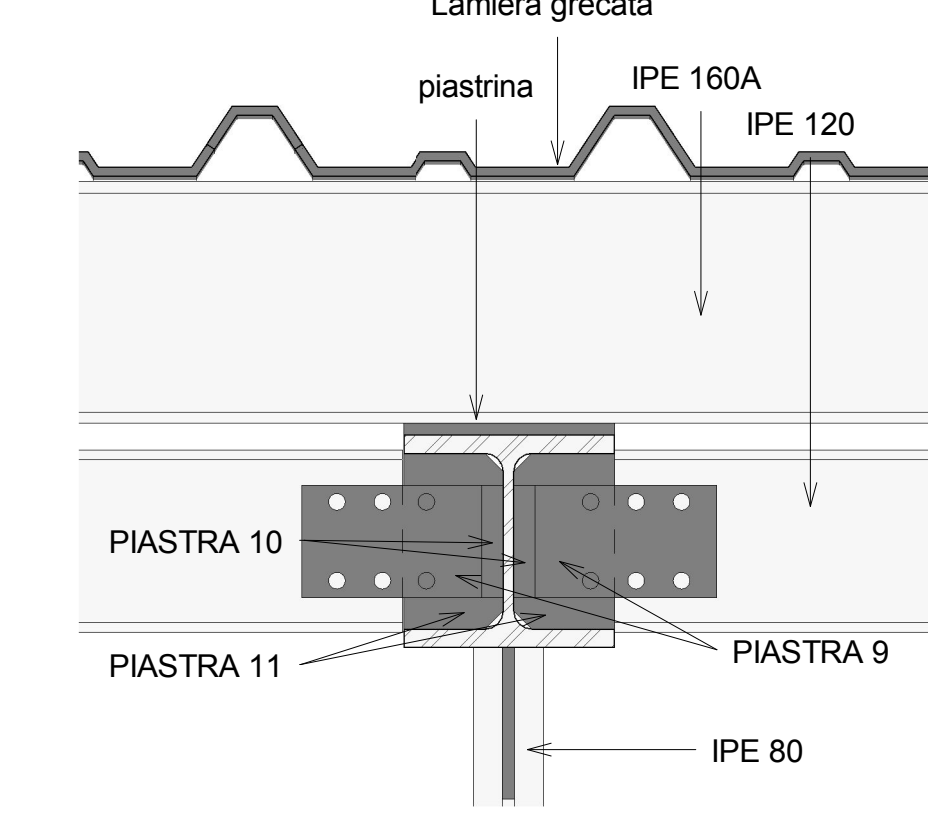
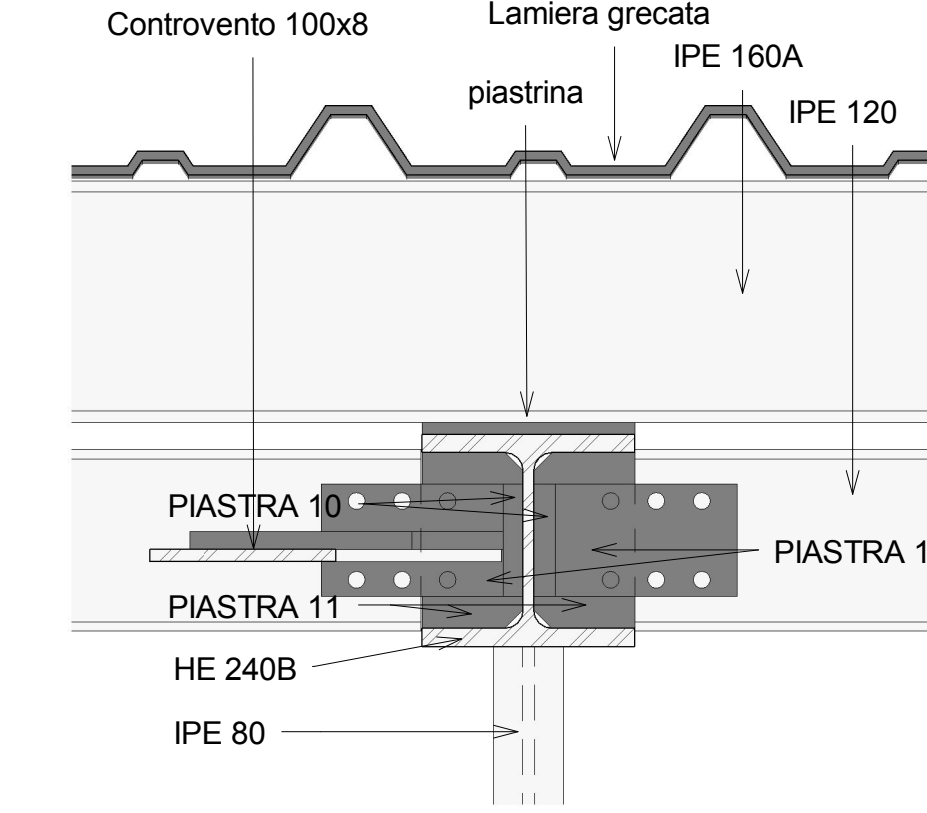
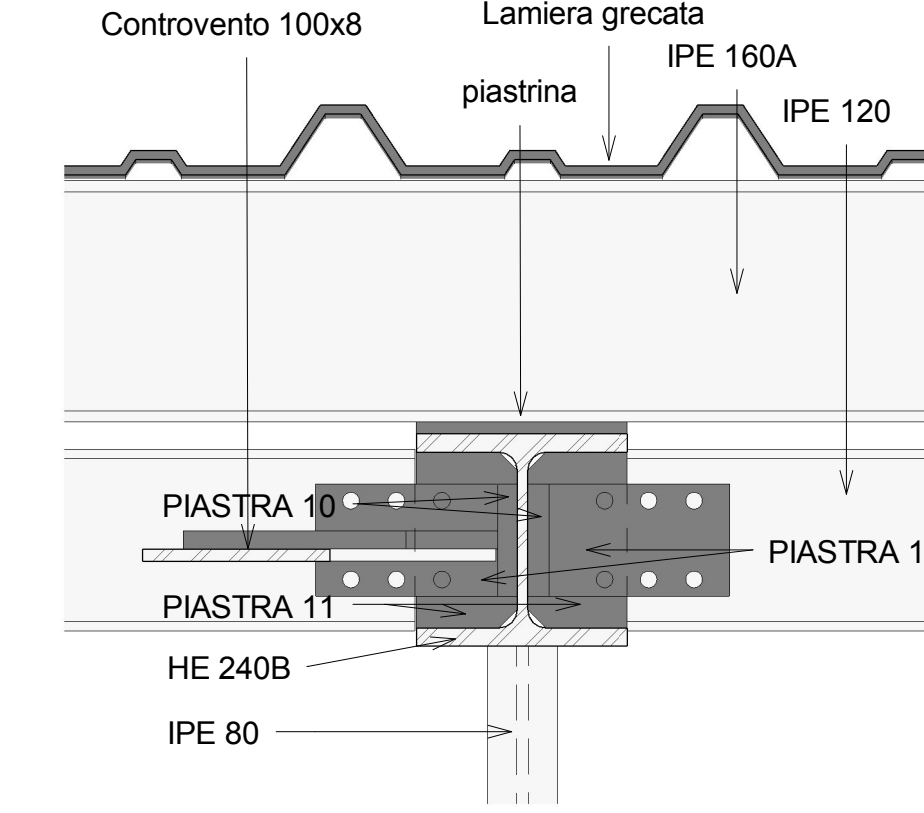
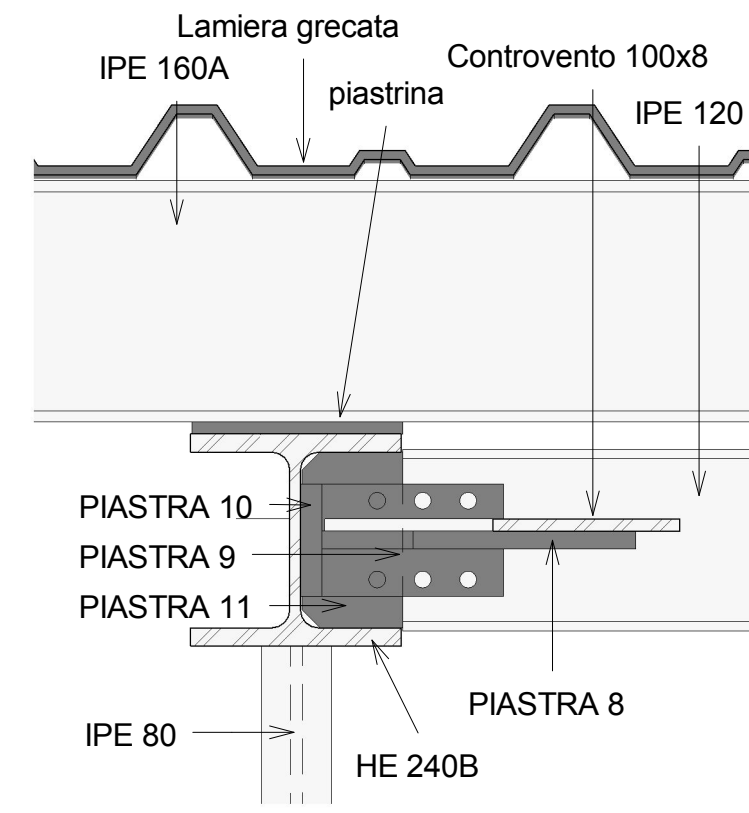
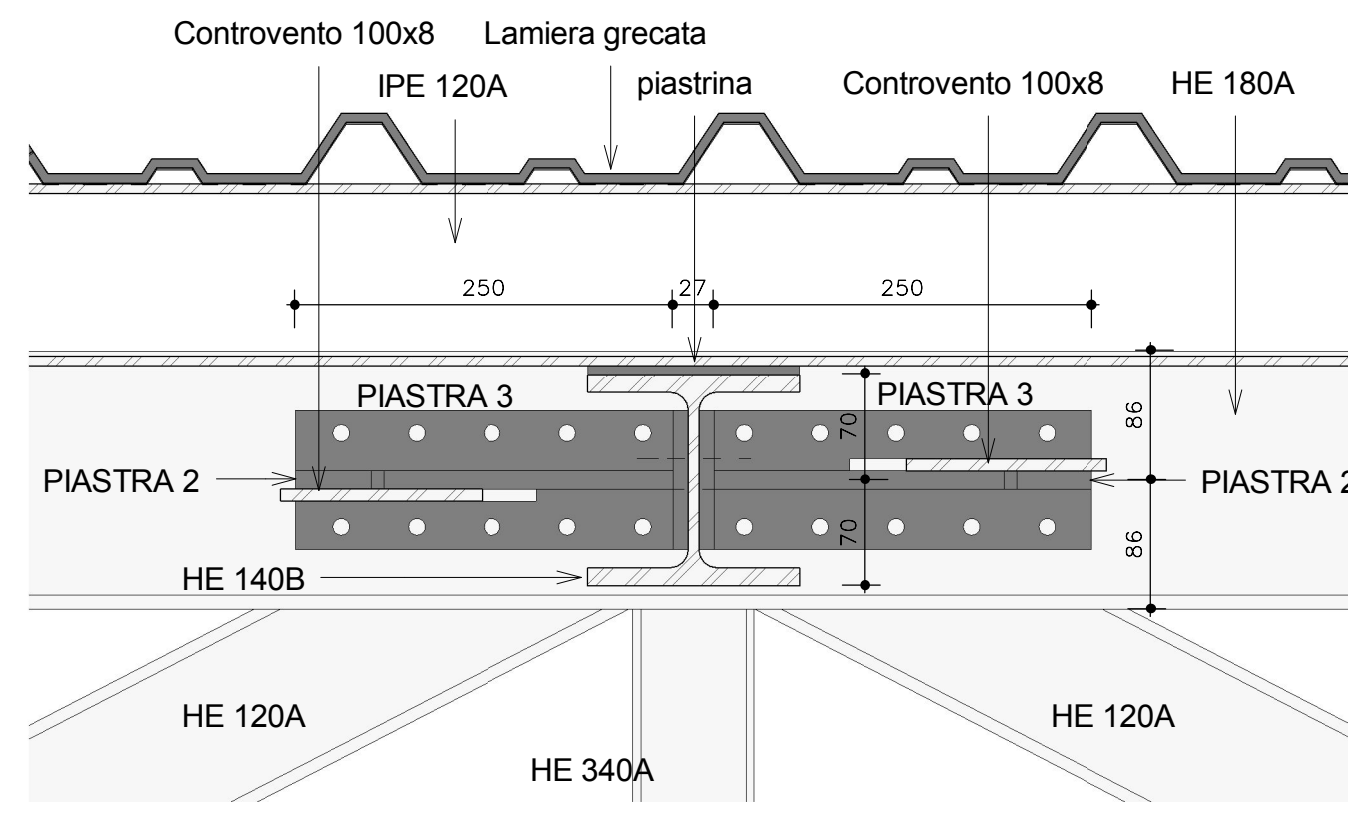
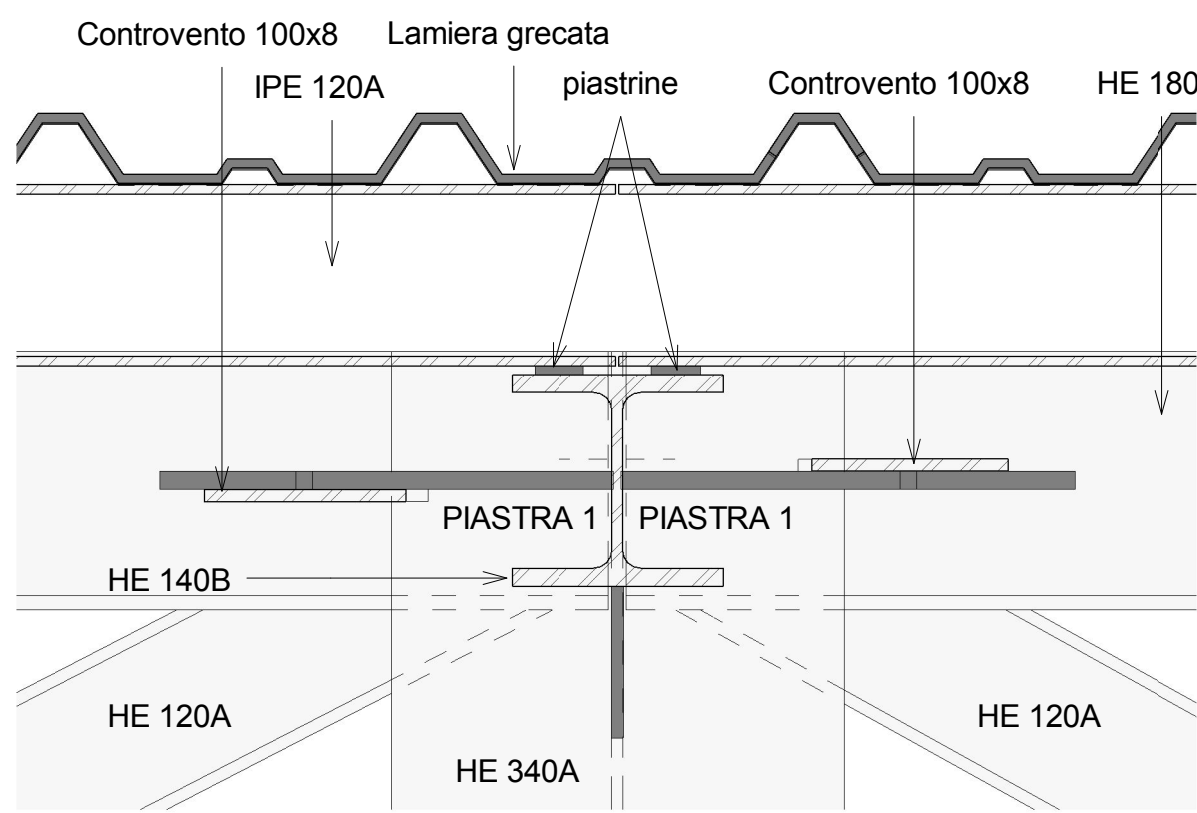
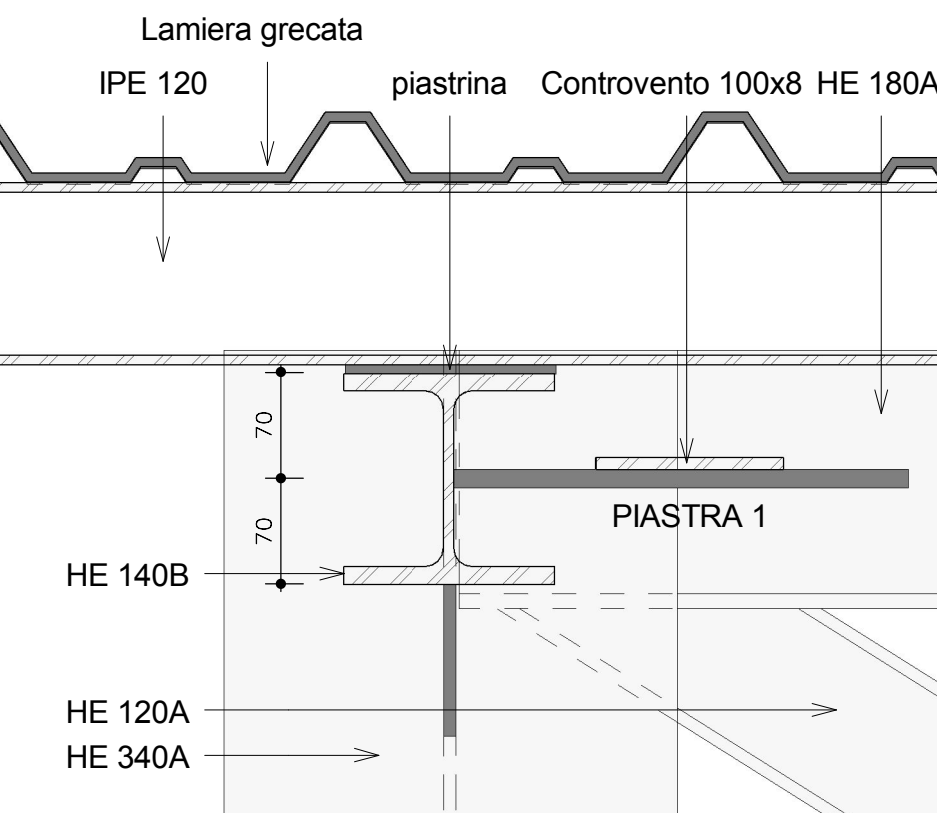
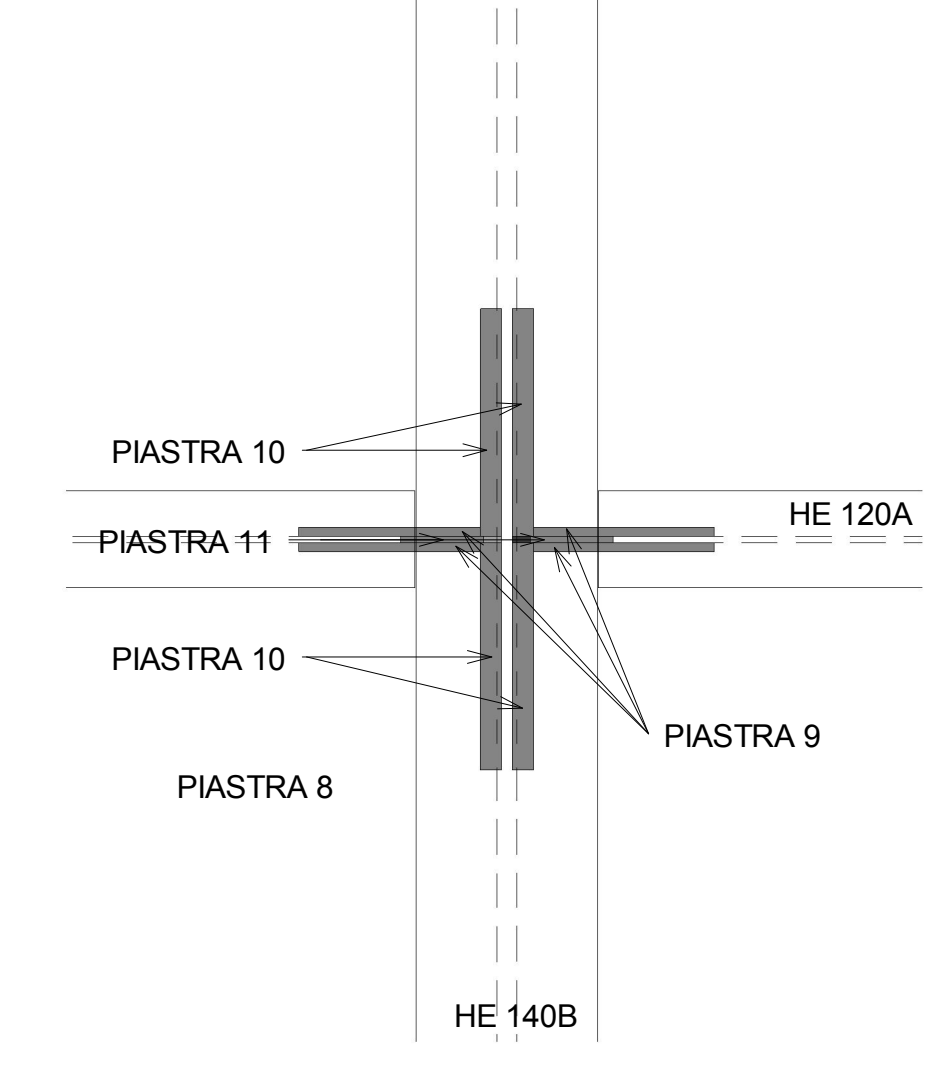
S-L0 NODI S13-S14-S15-S16-S17-S18-S19

1:5



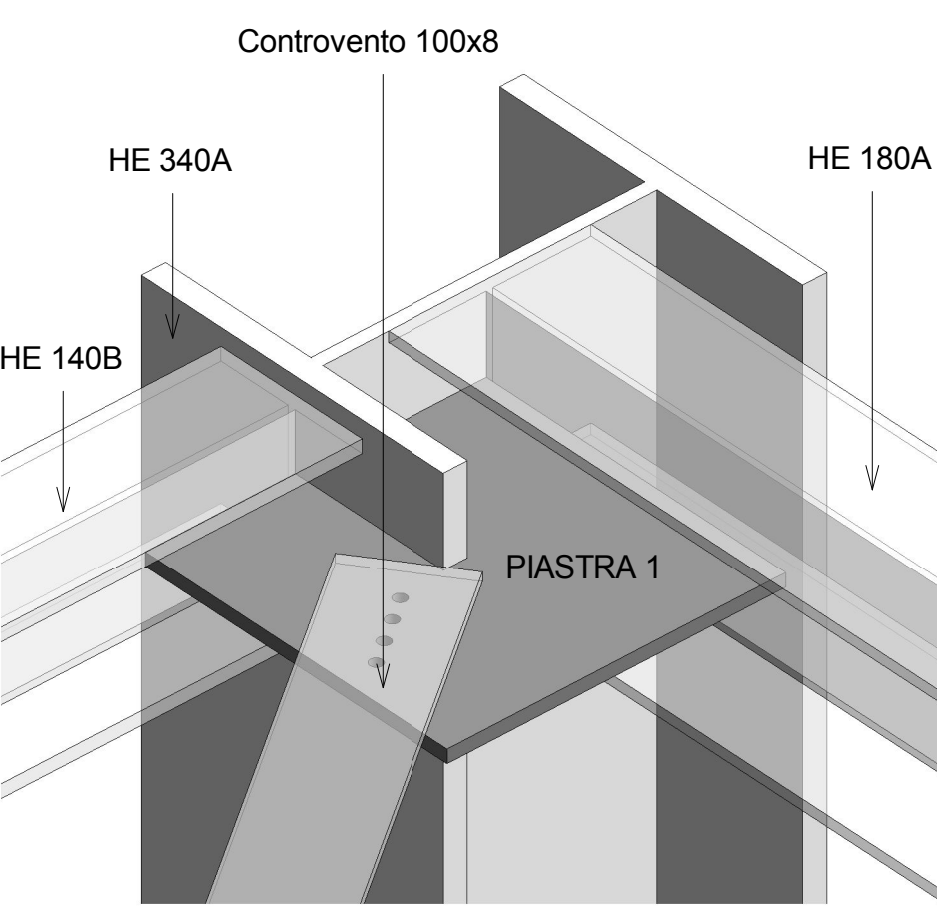
S-L0 NODI S23

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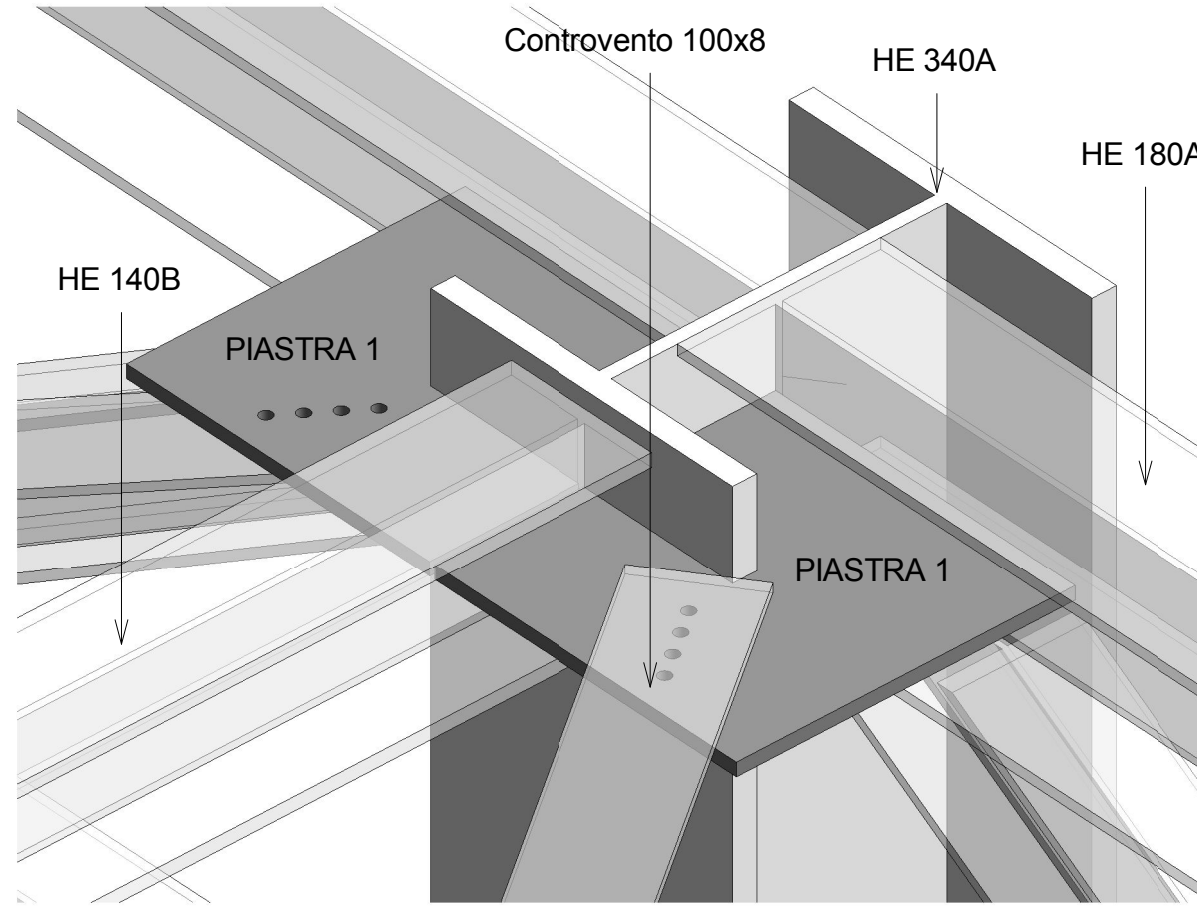
S-NODI S1-S10

1:5



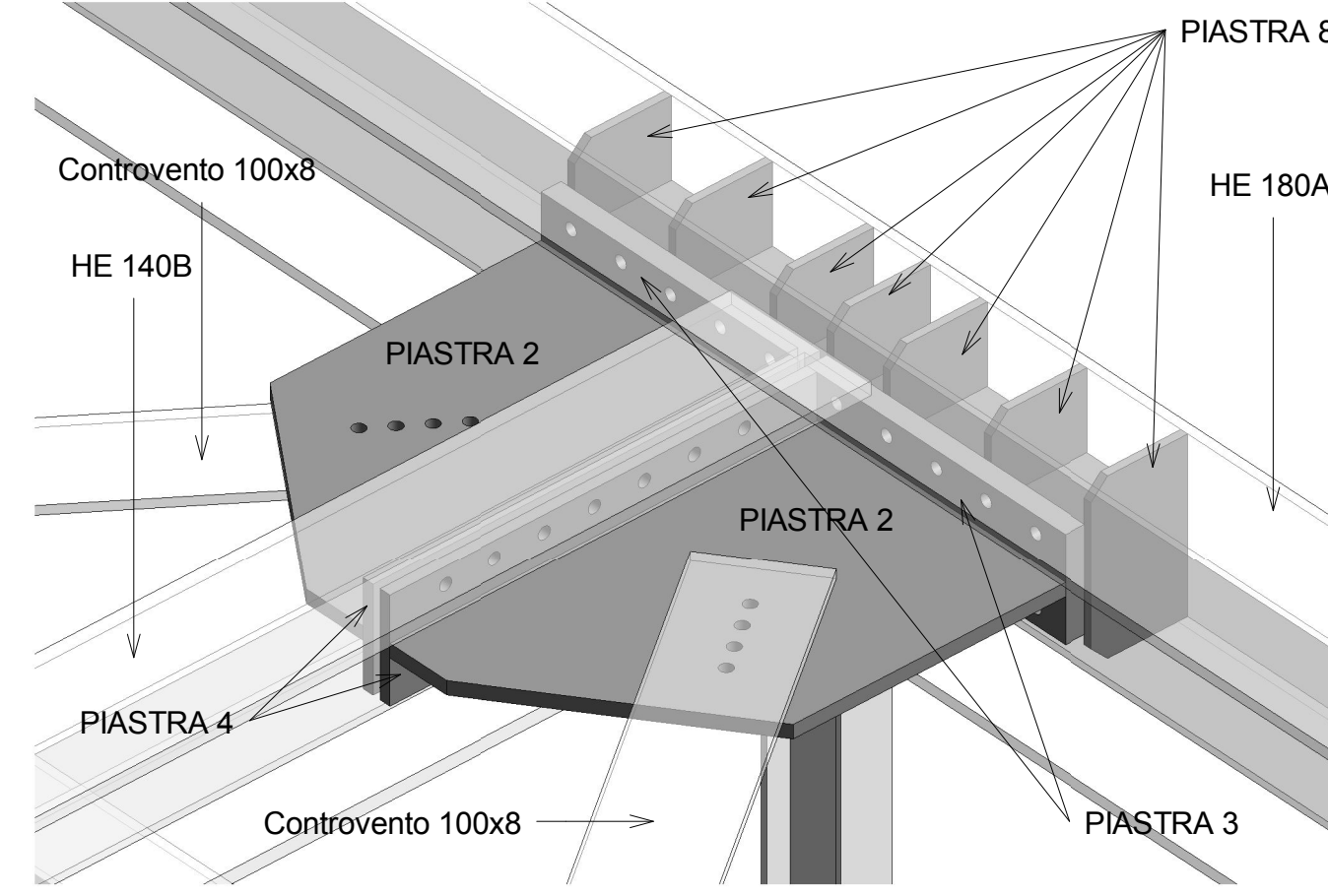
S-NODI S3-S4-S6-S8

1:5



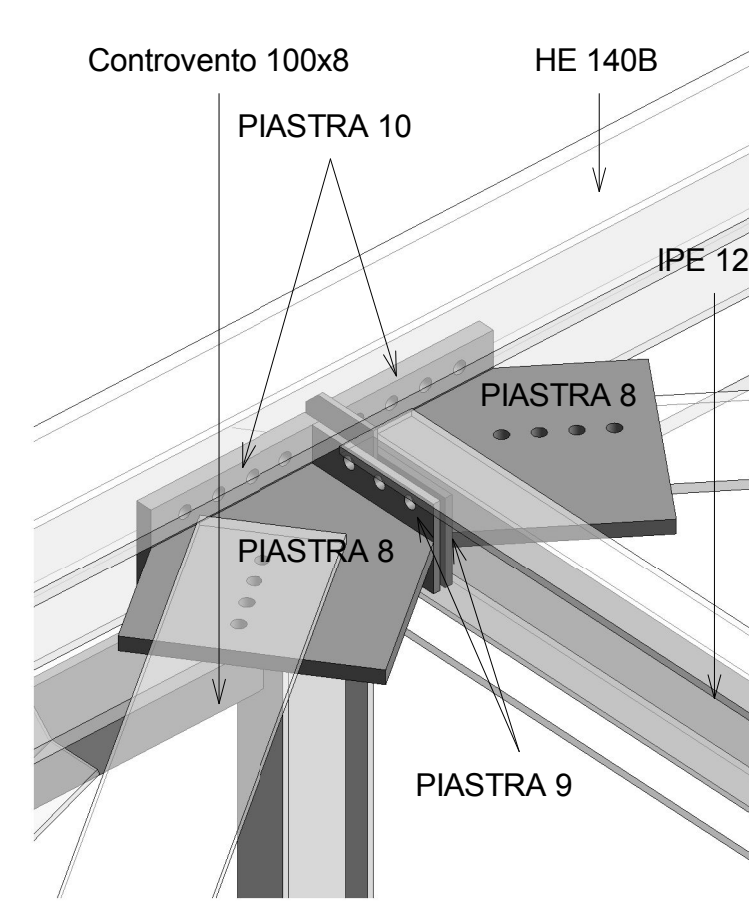
S-NODI S2-S5-S7-S9

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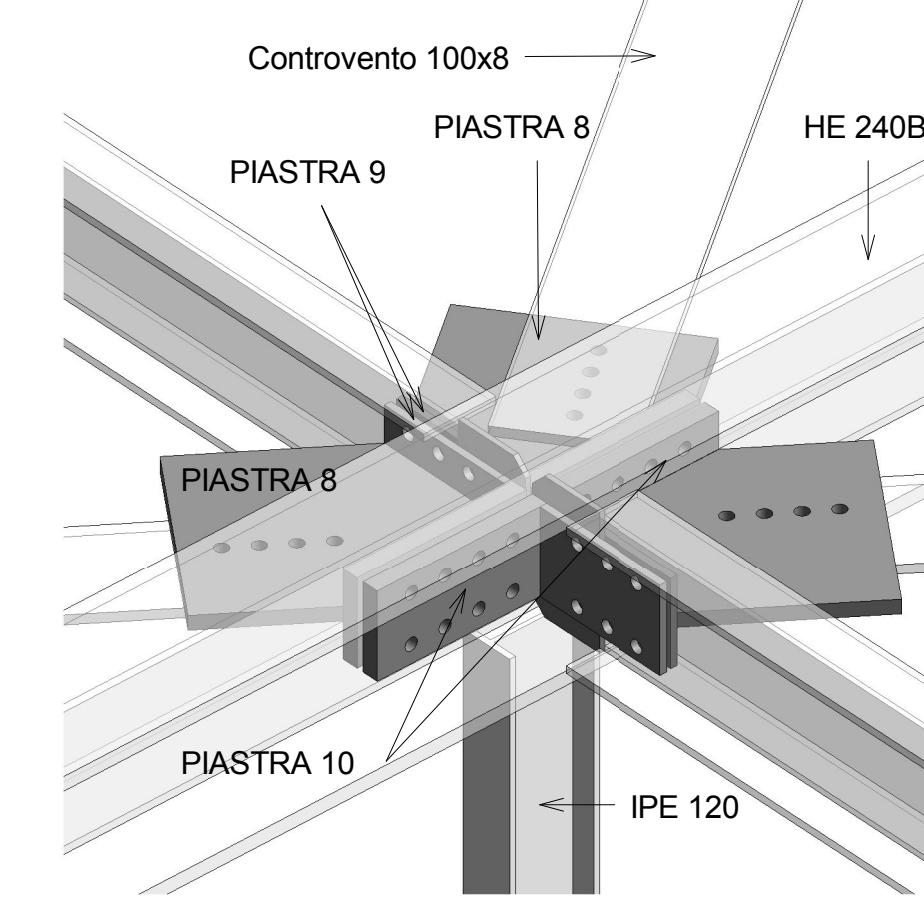
S-NODI S11-S21

1:5



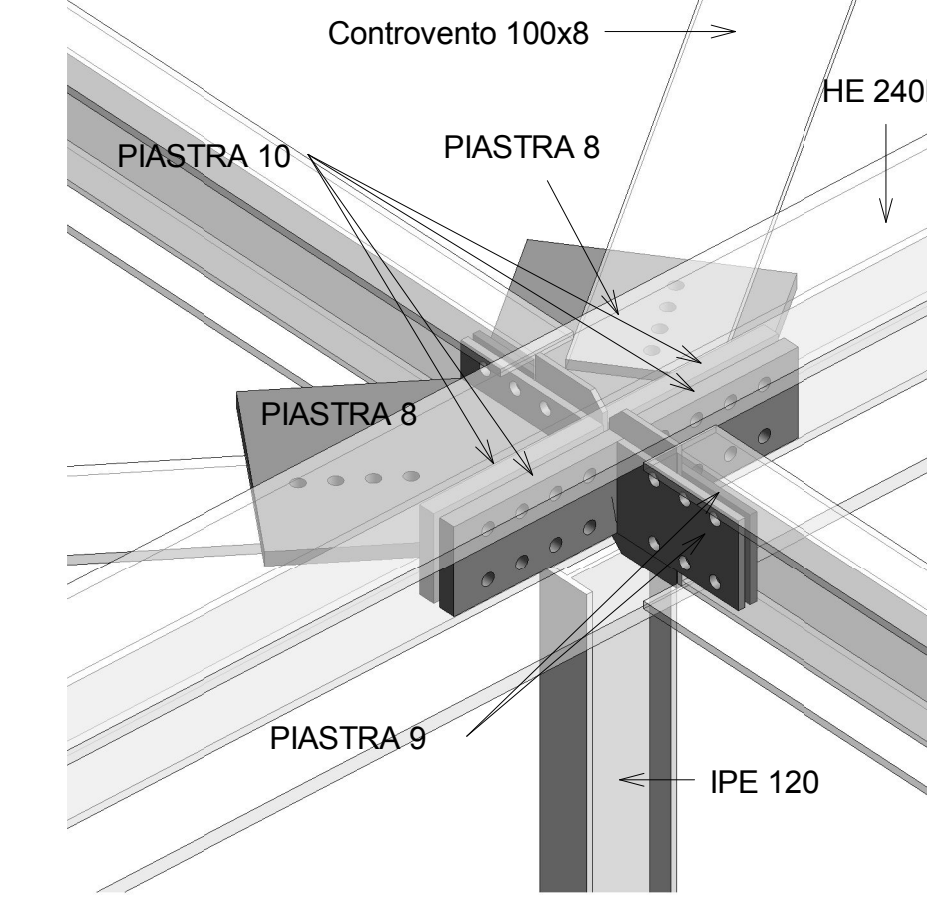
S-NODI S12-S20

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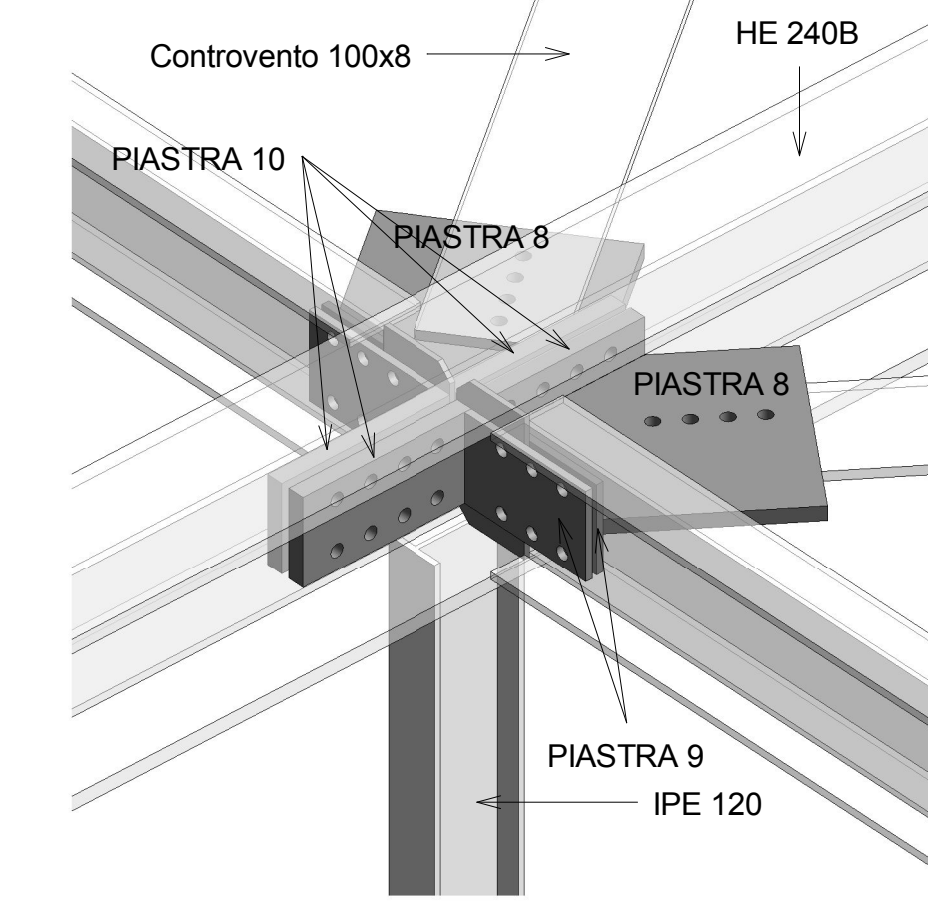
S-NODI S22-S24

1:5



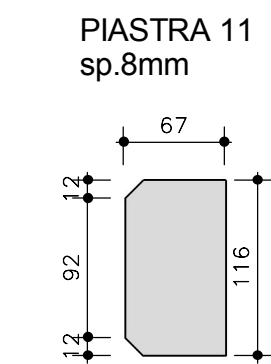
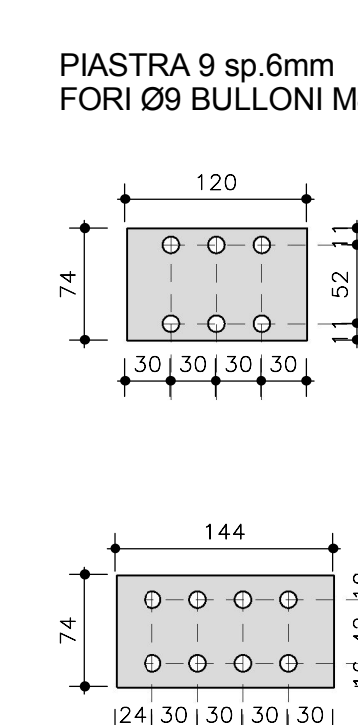
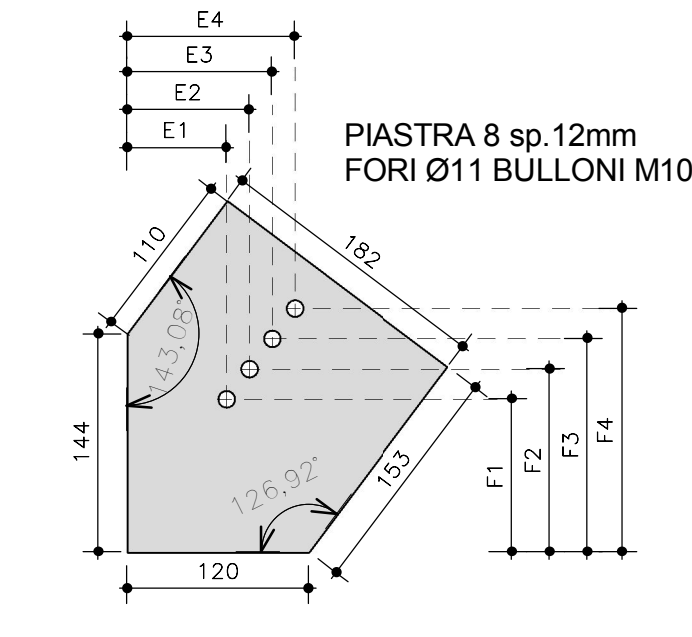
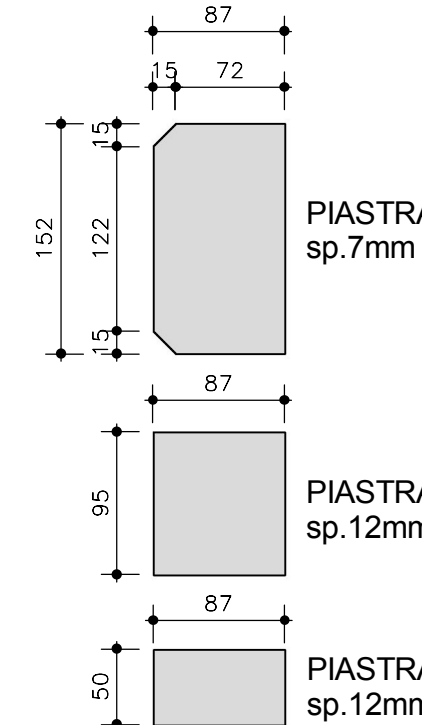
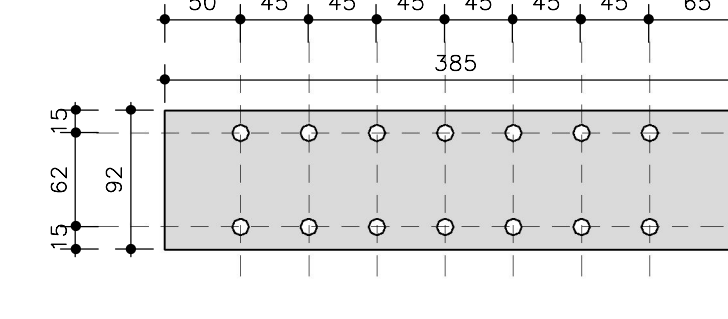
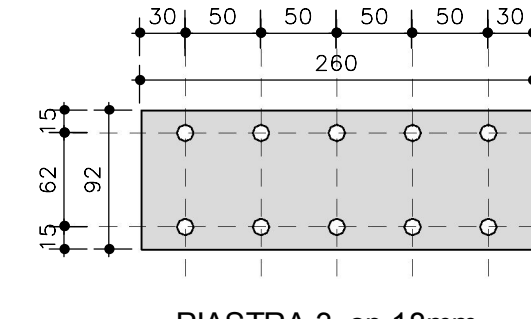
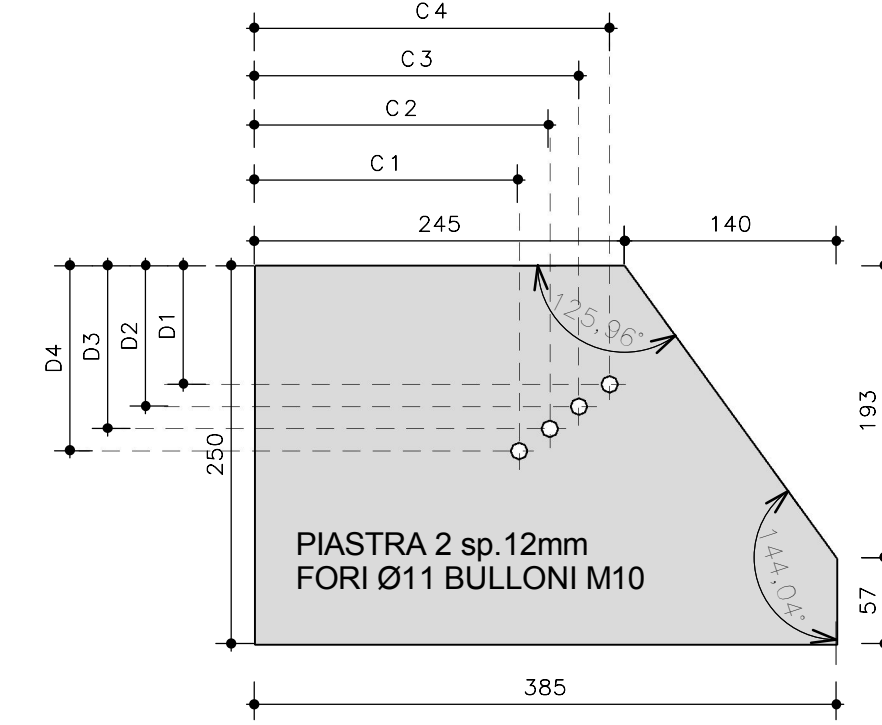
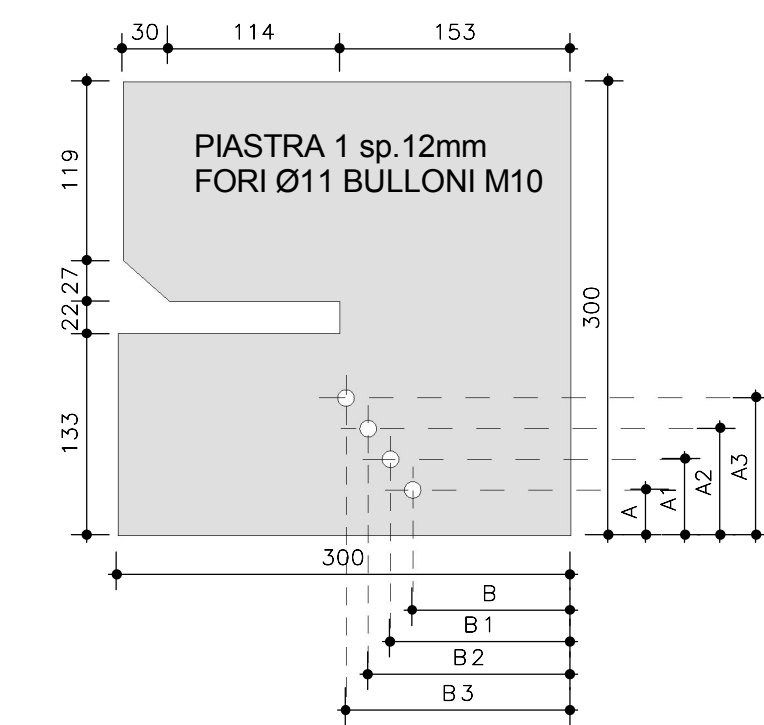
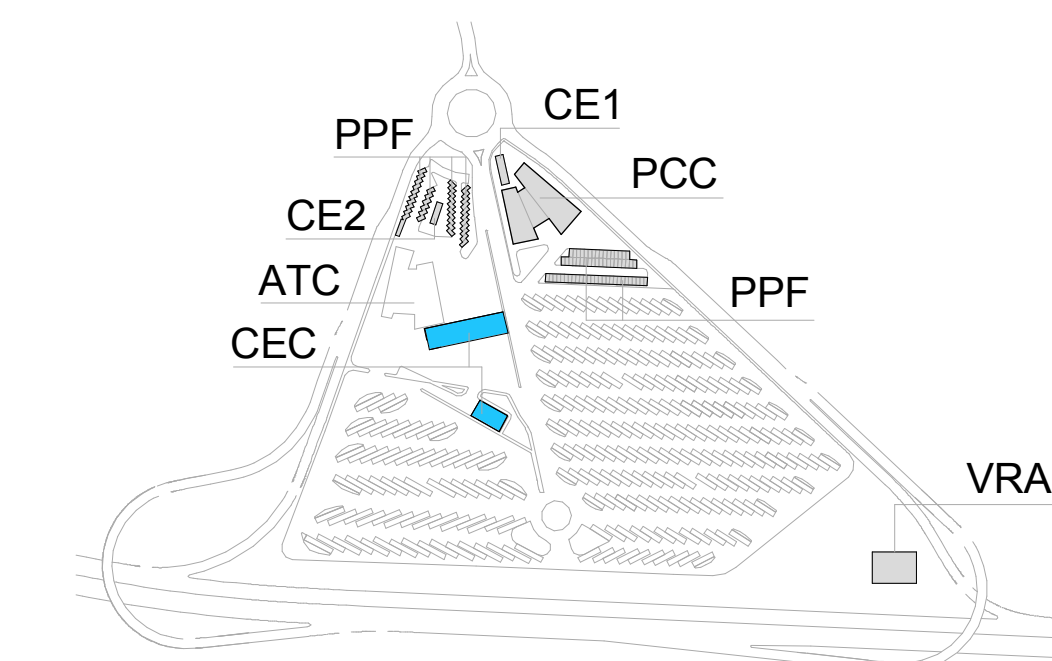
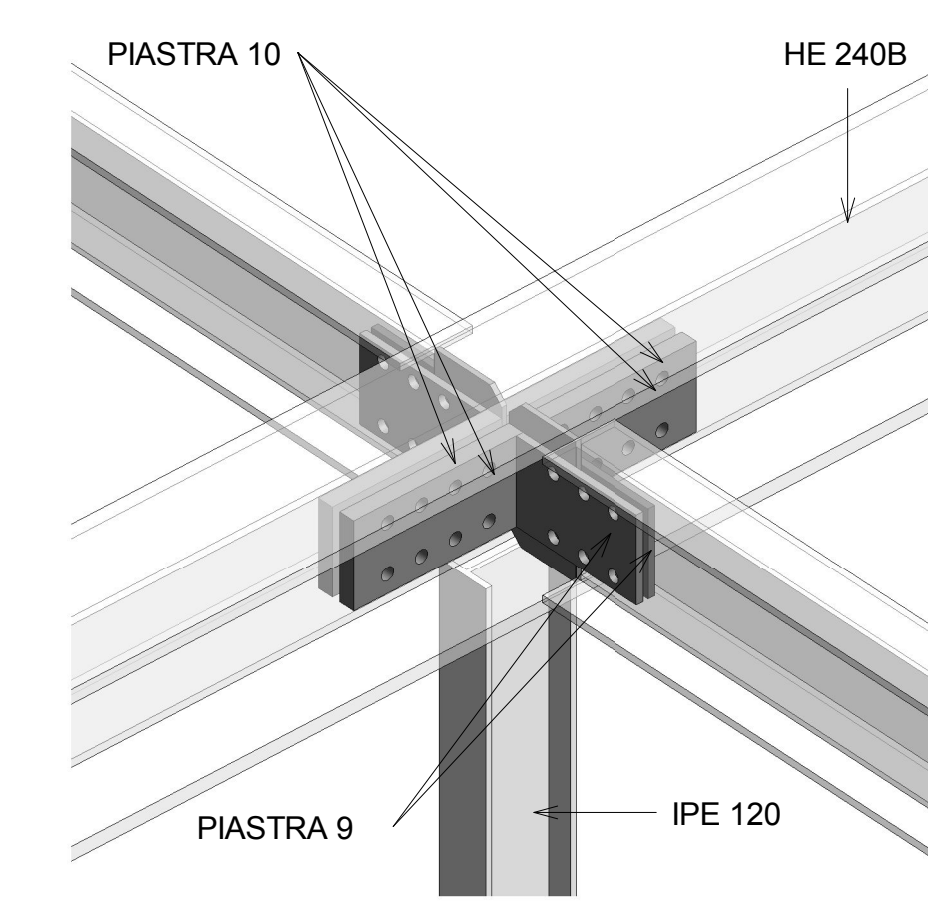
S-NODI S13-S14-S15-S16-S17-S18-S19

1:5



S-NODI S23

1:5



**TABELLA MATERIALI CARBURANTI E CASSE**

ELEMENTO STRUTTURALE	CLASSE CLS	R	ck, min N/mm²	ESPOSIZ.	CLASSE DI COPRIFERRO (mm)	DIAM. MAX. INERTI (mm)	RAPP. A/C	CLASSE DI CONSIST.
SOTTOPONDAZIONI	C12/15	15						
FONDAZIONI	C25/30	30		XC2	40	32	0.60	S4
ELEMENTI PREFABBRICATI	C45/55	55		XC1	25	15	0.60	S4
ELEVAZIONI GETTATE IN OPERA	C28/35	35		XC1/XC3	40	22	0.55	S4

**ACCIAIO PER C.A.**  
 - IN BARRE B450 C CONTROLLATO IN STABILIMENTO  
 - R.E.S CLASSE B 450 C  
**ACCIAIO PER CARPENTERIA METALLICA - PROFILI COMMERCIALI**  
 - ACCIAIO TIPO S275J0  
 - LIMITE DI SNERVAMENTO fy > 275 N/mm²  
 - LIMITE DI ROTTURA Ft > 430 N/mm²

**ACCIAIO PER CARPENTERIA METALLICA - PIASTRE DI NODI SALDATI O IMBULLONATI**  
 - ACCIAIO TIPO S355J0  
 - LIMITE DI SNERVAMENTO fy > 355 N/mm²  
 - LIMITE DI ROTTURA Ft > 510 N/mm²

**UNIONI**  
 - BULLONI AD ALTA RESISTENZA CLASSE 8.8  
 - DOVE NON DIVERSAMENTE SPECIFICATO LE SALDATURE SONO DA INTENDERSI A COMPLETA PENETRAZIONE

**I MATERIALI E I COPRIFERRI INDICATI IN TABELLA SODDISFANO, DOVE NECESSARIO, I REQUISITI DI RESISTENZA AL FUOCO. LA CUI VERIFICA E' RIPORTATA NELLE RISPETTIVE RELAZIONI DI CALCOLO**

**ABACO DIMENSIONI PIASTRA 1**

Contrassegno	CAMPATA TIPO	A	A1	A2	A3	B	B1	B2	B3
Nodo "S1"	A	30	50	70	91	104	119	134	149
Nodo "S3"	A	30	50	70	91	104	119	134	149
Nodo "S4"	B	30	50	70	90	97	112	127	142
Nodo "S4"	A	30	50	70	91	104	119	134	149
Nodo "S6"	C	30	49	68	86	86	79	95	112
Nodo "S6"	B	30	50	70	90	97	112	127	142
Nodo "S8"	C	30	49	68	86	86	79	95	112
Nodo "S8"	D	30	50	69	88	78	94	110	126
Nodo "S10"	D	30	50	69	88	78	94	110	126

**ABACO DIMENSIONI PIASTRA 2**

Contrassegno	CAMPATA TIPO	C1	C2	C3	C4	D1	D2	D3	D4
Nodo "S2"	A	174	195	215	235	128	142	157	172
Nodo "S5"	B	173	193	213	233	131	147	162	177
Nodo "S7"	C	161	179	198	217	145	163	180	196
Nodo "S9"	D	167	186	205	224	140	156	172	188

**ABACO DIMENSIONI PIASTRA 8**

Contrassegno	CAMPATA TIPO	E1	E2	E3	E4	F1	F2	F3	F4
Nodo "S11"	A	59	74	89	104	98	118	139	161
Nodo "S12"	A	59	74	89	104	98	118	139	161
Nodo "S13"	A	59	74	89	104	98	118	139	161
Nodo "S14"	A	59	74	89	104	98	118	139	161
Nodo "S18"	D	72	88	104	120	100	120	140	159
Nodo "S19"	D	72	88	104	120	100	120	140	159
Nodo "S20"	D	72	88	104	120	100	120	140	159
Nodo "S21"	D	72	88	104	120	100	120	140	159
Nodo "S22"	A	59	74	89	104	98	118	139	161
Nodo "S24"	D	72	88	104	120	100	120	140	159

**ZONE NODI**

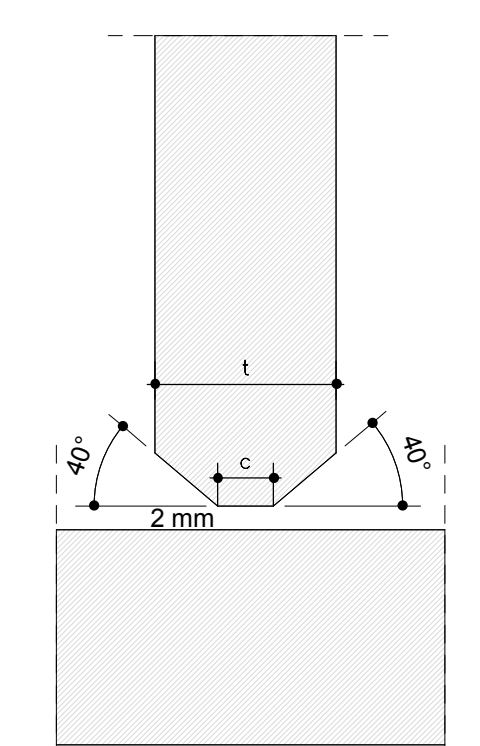
CAMPATA TIPO	DIMENSIONE INTERASSE
A	2800
B	2900
D	3175
C	3400

**NUMERO NODI**

NOME NODO	NUMERO NODI
I1	2
I2	12
I3	2
I4	2
I5	4
I6	2
I7	4
I8	2
I9	6
I10	2
I11	3
I12	2
I13	12
I14	2
I15	4
I16	2
I17	4
I18	2
I19	4
I20	2
I21	3
I22	1
I23	15
I23	1

LEGENDA SALDATURE

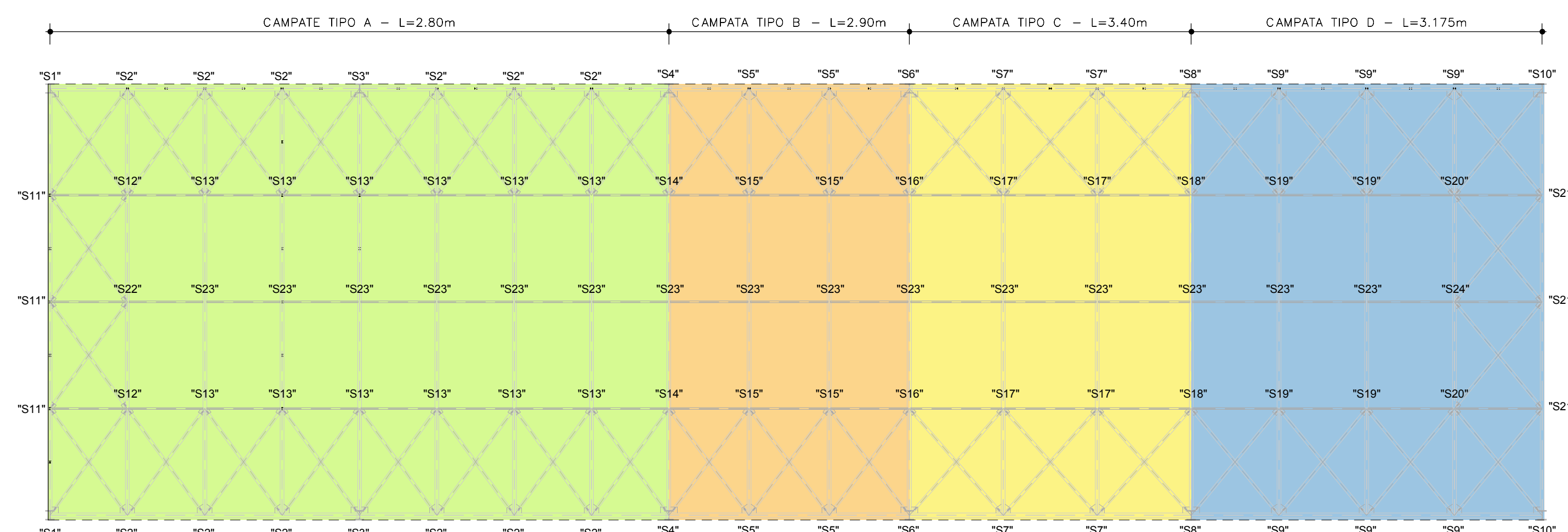
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t	c
5	1
6	1
7	1
8	1
9	1
10	2
11	2
12	2
13	2
14	2
15	3
16	3
17	3
18	3
20	3

INQUADRAMENTO - NODI SUPERIORI

1:150



**NOTE GENERALI**

- TUTTE LE MISURE SONO ESPRESSE IN MILLIMETRI
- TUTTI GLI ANGOLI SONO ESPRESI IN GRADI DECIMALI
- DOVE NON DIVERSAMENTE SPECIFICATO SOVRAPPORZIONE MINIMA DELLE BARRE PARI A 70 diam.
- DOVE NON SPECIFICATO, SI PRESORVONO I SEQUENTI DIAMETRI MINIMI DI PIEGATURA:

Diam. BARRA	DIAMETRO MINIMO DI PIEGATURA
>16mm	7 diam.
<16mm	4 diam.

**LEGENDA MISURE**

- LE DIMENSIONI INDICATE PER LA SAGOMA DELLE ARMATURE SONO RIFERITE ALL'ASSE BARRA

**TUNNEL EURALP LION TURIN**

**SIATF**

NUOVA LINEA TORINO LIONE - NOUVELLE LIGNE LYON TURIN  
 PARTE COMUNE ITALO-FRANCESE - PARTIE COMMUNE FRANCO-ITALIENNE

LOTTO COSTRUTTIVO 1 LOT DE CONSTRUCTION 1  
 CANTIERE OPERATIVO 02C / CHANTIER DE CONSTRUCTION 02C  
 RILOCALIZZAZIONE DELL'AUTOPORTO DI SUSA  
 DEPLACEMENT DE L'AUTOPORTO DE EXECUTION  
 PROGETTO ESECUTIVO - ETUDES D'EXECUTION  
 CUP C1105000030001 - CIG 682325367F

**FABBRICATI**  
**CEC - CARBURANTI E CASSE**  
 Pensilina Distributore - Dettagli nodi - Tav.1

MESS	DATA	MODIFICAZIONE	REVISIONI	REVISIONI	REVISIONI
0	30/04/2015	Progettazione definitiva	REVISIONI	REVISIONI	REVISIONI

**1 0 2 C C 1 6 1 6 7 F A A 1 0 G** **E S T P L 1 8 2 0 0**

SCALE / ECHELLES

IL PROGETTISTA E DESIGNER

IL DIRETTORE DI LAVORO INTERO E QUANTO

**TUNNEL EURALP LION TURIN**

**SIATF**

EUROPEAN UNION