



General Catalogue



D.R.F.I.
COSTRUZIONE, MANUTENZIONE E FORNITURE ARMAMENTO FERROVIARIO



D.R. Ferroviaria Italia è l'evoluzione di una storia imprenditoriale nata nei primi anni 70 che ha visto nel corso degli anni un crescente sviluppo aziendale, professionale e tecnico nel settore dell'armamento ferroviario.

Oggi si pone come punto di riferimento non solo per il settore ferroviario ma anche metropolitano e tramviario per le realizzazioni di apparecchi del binario dedicati, su commissioni di aziende per il trasporto pubblico sia Italiano che estero.

D.R. Ferroviaria Italia is the evolution of an entrepreneurial story born in the early 70's that has seen over the years a growing business, professional and technical development in the railway sector.

Today it is a point of reference for the production of turnouts and crossings not only for the railway sector but also for that of the metropolitan and tramway field. They are supplied upon commission for both Italian and foreign public transport.

LA POLITICA AZIENDALE

Sistema integrato per la Qualità, l'Ambiente e la Sicurezza sul lavoro

La strategia della Direzione in merito al sistema integrato è caratterizzata da :

1. Ambizione di professionalità in tutti i processi aziendali offrendo sempre al cliente la percezione di qualità dei propri prodotti e servizi puntando sempre all'eccellenza
2. Cultura orientata a promuovere un continuo miglioramento dei prodotti, dei servizi e di tutte le attività
3. La consapevolezza che il raggiungimento di uno standard qualitativo sempre più alto si traduce in un minor costo ed un maggior utile aziendale
4. L'impegno costante per la salvaguardia dell'Ambiente, la Sicurezza e la Salute dei lavoratori
5. L'impegno costante per garantire un ambiente idoneo di lavoro ai propri collaboratori nel rispetto delle Leggi e delle norme in materia di Sicurezza sul lavoro
6. Uno stretto rapporto con i fornitori al fine di garantire e soddisfare le esigenze del Cliente
7. Grande attenzione al miglioramento di formazione e competenze di tutto il personale
8. Coinvolgimento di tutto il personale nella continua ricerca del miglioramento dei servizi offerti con la possibilità di proporre suggerimenti e migliorie per prodotti e processi
9. Impegno della società rivolto alla prevenzione dell'inquinamento

COMPANY POLICY

Integrated System for Quality, Environment and Work Safety

The company strategy regarding the integrated system is characterized by :

1. Professional ambition in all business processes, always offering customers the perception of quality in their products and services, always aiming for excellence.
2. Culture aimed at promoting continuous improvement of products, services and all activities
3. The awareness that the achievement of a higher quality standard translates into lower costs and a higher net corporate
4. A constant commitment to safeguarding the environment, safety and the worker's health
5. The constant commitment to guarantee a suitable working environment for its employees in compliance with the laws and regulations concerning work safety
6. A close relationship with suppliers in order to guarantee and meet the customer's needs
7. High attention to the improvement of training and skills of all staff
8. Involvement of all personnel in the continuous search for improvement of the services offered, with the possibility of proposing suggestions and improvements for products and processes.
9. Company commitment towards pollution prevention

LE ATTIVITA'

DRFI è leader nella progettazione e costruzione in ambito ferroviario, tramviario e metropolitano, proponendo le tecnologie più avanzate in modo da far fronte alle esigenze dei committenti, operando all'insegna della sicurezza e dell'efficienza.

Grazie alla sua flessibilità per un innovativo approccio integrato DRFI ottimizza le strategie, le risorse e gli investimenti, razionalizzando i vari tipi di tecnologie di produzione al fine di fornire soluzioni per le realizzazione di apparecchi del binario applicabili in ambito locale, regionale o nazionale.

In tale contesto, DRFI, agisce come " main contractor " o partner di consorzi, nonché integratore di sistemi per importanti progetti, fornendo soluzioni " chiavi in mano " nel rispetto dei tempi e dei costi concordati

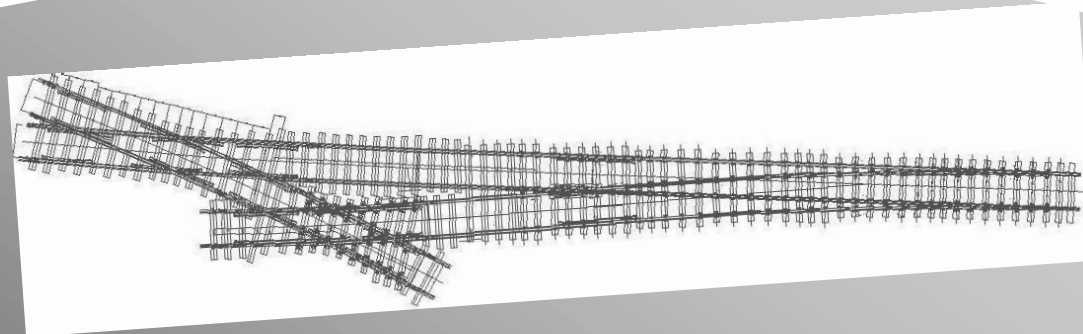
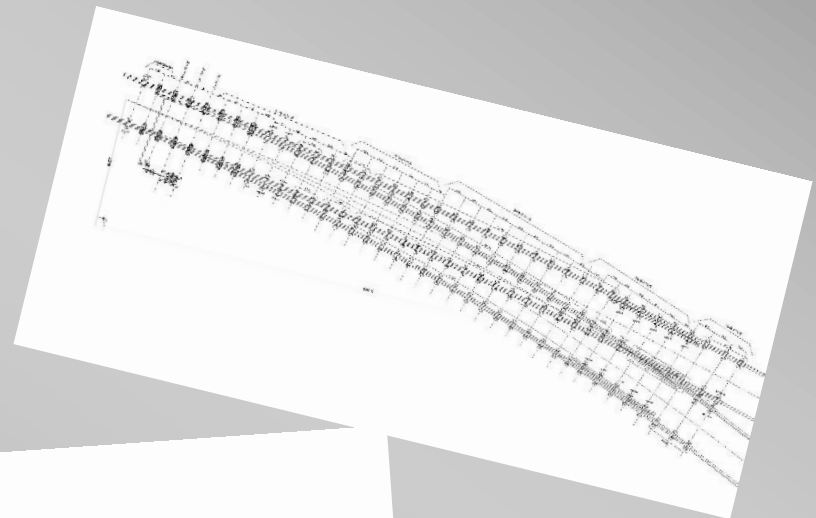
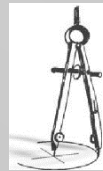
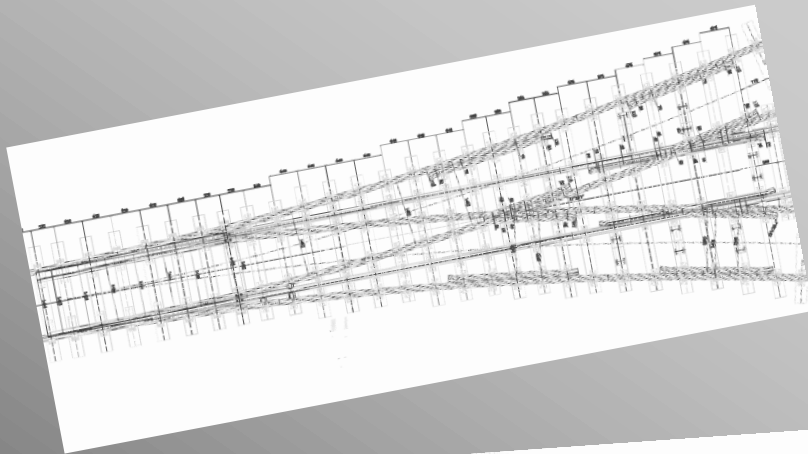


ACTIVITIES

DRFI is a leader in the design and construction of railway, tram and metro fields, offering the most advanced technologies in order to meet the customer's needs, operating under the banner of safety and efficiency.

Thanks to its flexibility for an innovative integrated approach, DRFI optimizes strategies, resources and investments, rationalizing the various types of production technologies in order to provide solutions for the realization of track equipment applicable locally, regionally or nationally.

In this context, DRFI, acts as a " main contractor " or consortium partner, as well as systems integrator for major projects, providing " turn-key " solutions on time and agreed costs.



PRODUZIONE & COMMERCIALIZZAZIONE - PRODUCTION & MARKETING

- Paraurti triangolari - [Triangular bumpers](#)
- Paraurti ad assorbimento degli urti - [Shock-absorbing bumpers](#)
- Immobilizzatori aghi - [Point rail immobilizers](#)
- Scarpe ferma carro "calzatoie" - [Carriage stoppers](#)
- Casse di manovra manuali/elettriche - [Manual/electric switch rail machine](#)
- Tiranterie a ganci/elettriche - [Hook type/electric switch rodding](#)
- Ganasce promiscue - [Promiscuous fishplates](#)
- Giunti isolanti - [Insulated joints](#)



PRODUZIONE & COMMERCIALIZZAZIONE - PRODUCTION & MARKETING

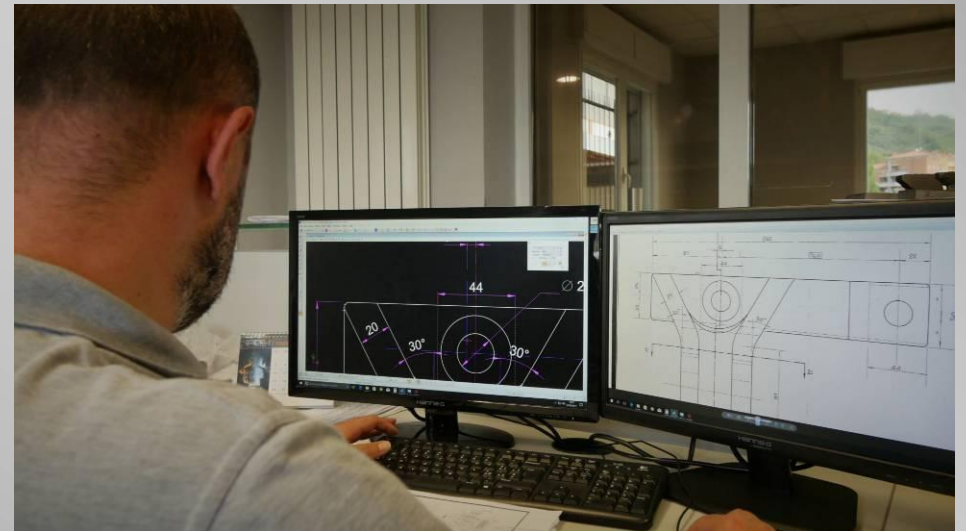
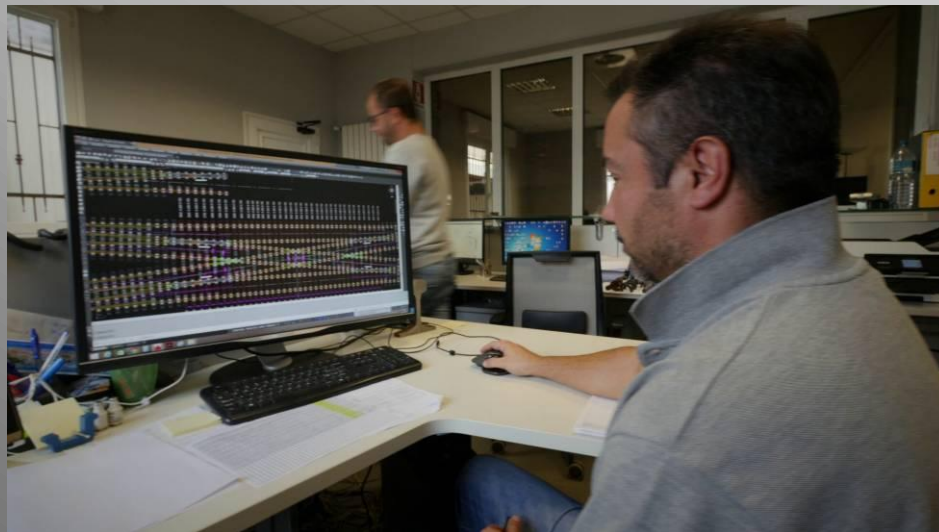
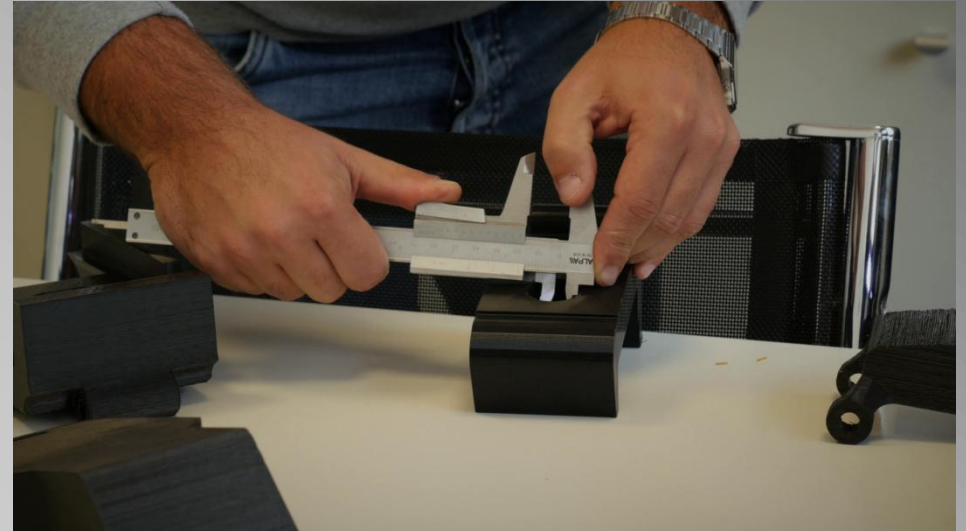
- Rotaie vignole, a gola, burback - Vignole, grooved & burback rails
- Aghi - Point rails
- Cuori al manganese - Manganese frogs
- Cuscinetti di scorrimento - Sliding chairs
- Traverse in c.a.p. / legno - Concrete / wooden sleepers
- Sistemi di fissaggio - Fastening systems
- Intercalari - Rail pads
- Ancoraggi - Anchorages











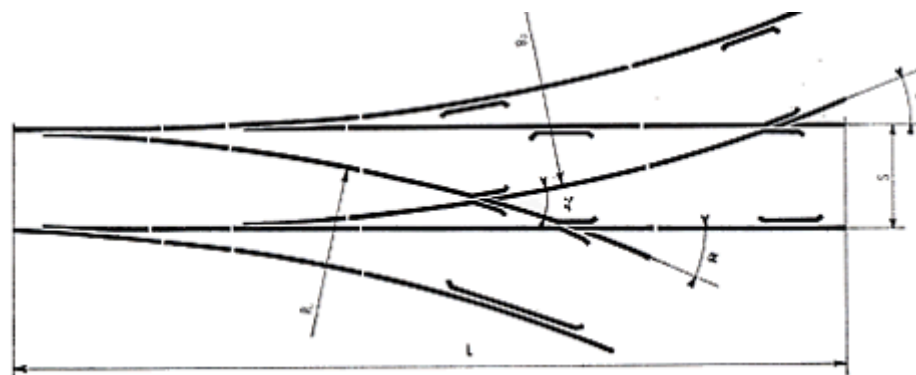




SCAMBI INNOVATIVI ARMAMENTO 60E1

DI NUOVA GENERAZIONE

Innovative turnouts – rail profile 60E1

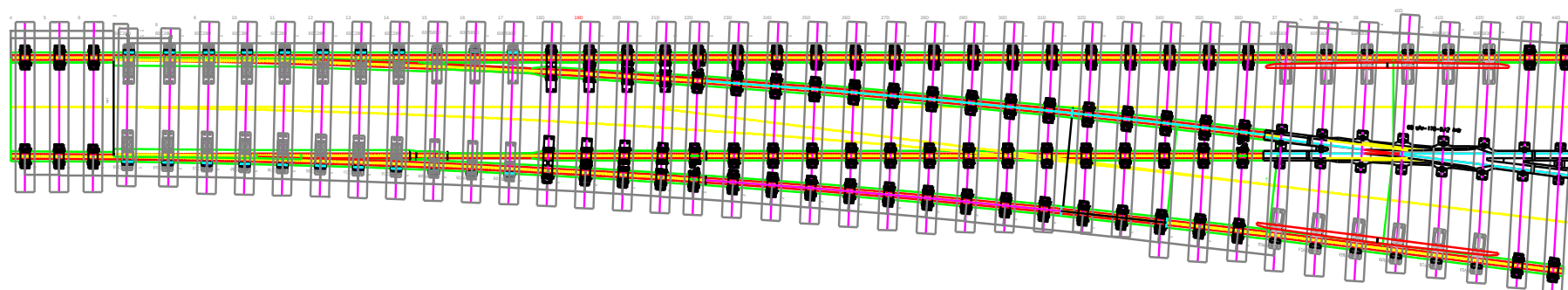
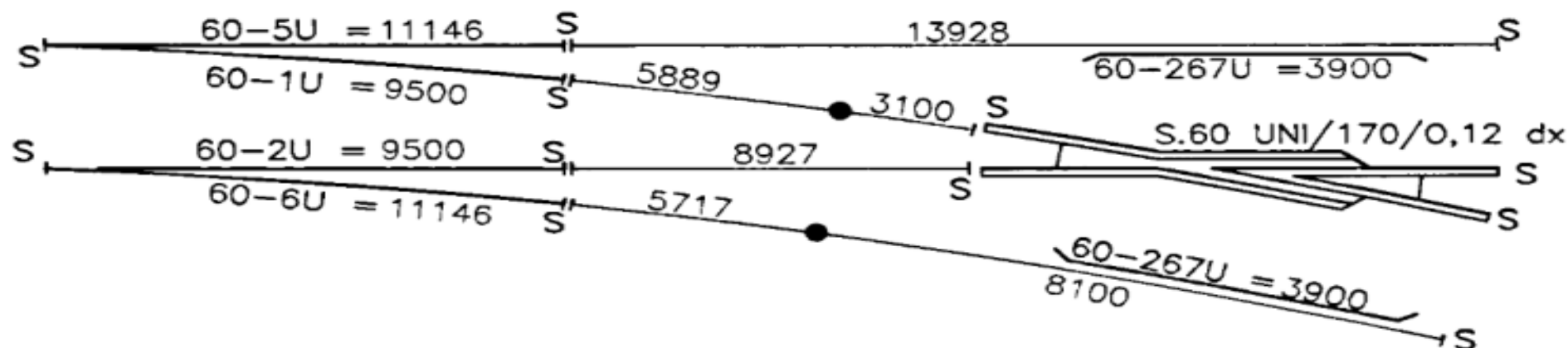


**Apparecchi del binario con cuori monoblocco di acciaio fuso al manganese ad attacchi indiretti ed estremità saldabili
– cuscinetti elastici – controrotaie 33C1 – posa su traversoni in C.A.V.P.**

Railway turnouts with austenitic manganese monoblock frogs, flexible fastenings and flash butt welded legs – flexible sliding-chair – check-rail 33C1 – laying on concrete sleepers

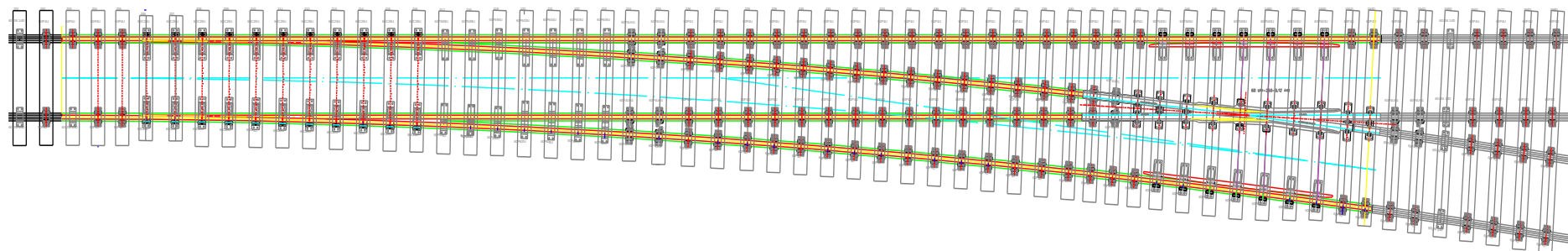
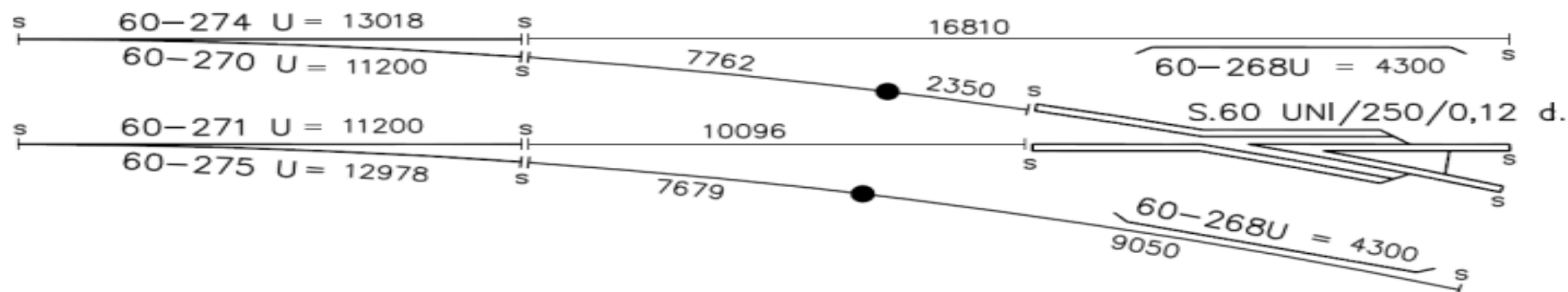
ARMAMENTO 60E1 – SCAMBIOSEMPLICE TIPO S.60/170/0,12

Rail profile 60 E1 – Standard Turnout type 60/170/0,12



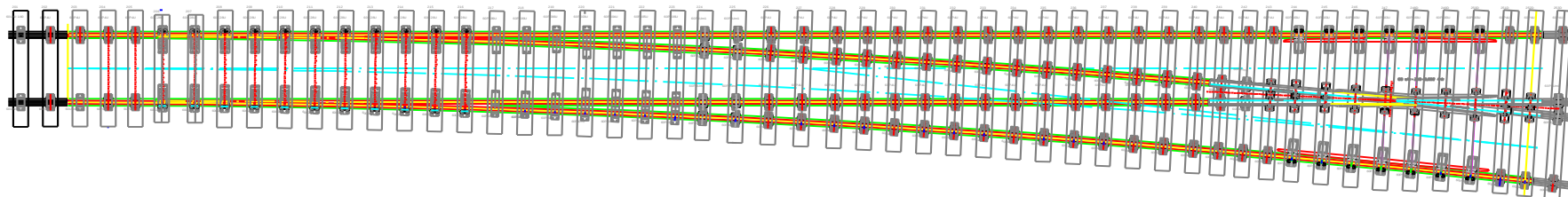
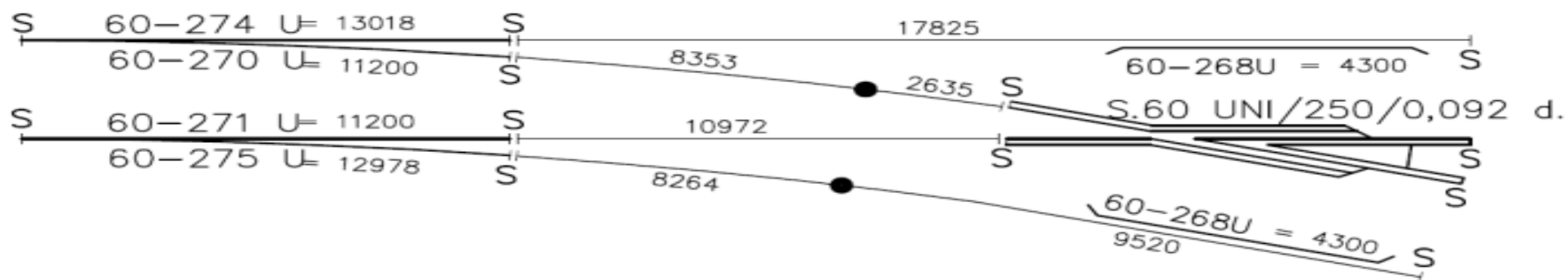
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/250/0,12

Rail profile 60E1 – Standard Turnout type 60/250/0,12



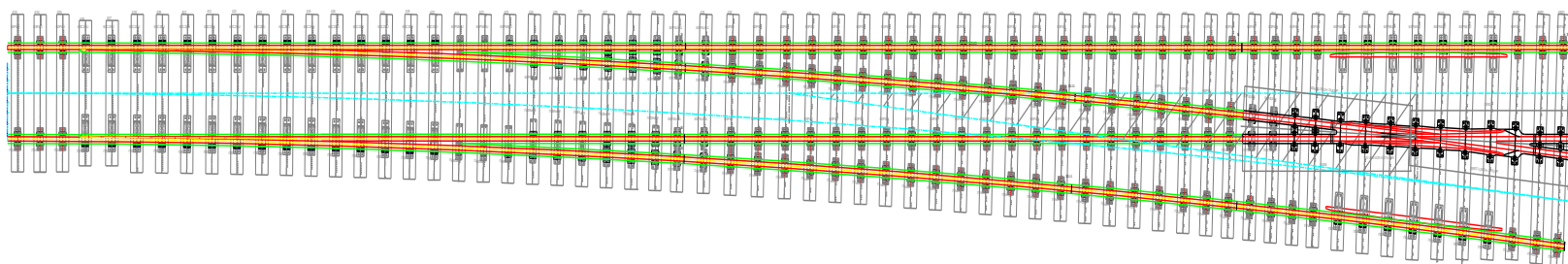
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/250/0,092

Rail profile 60E1 – Standard Turnout type 60/250/0,092



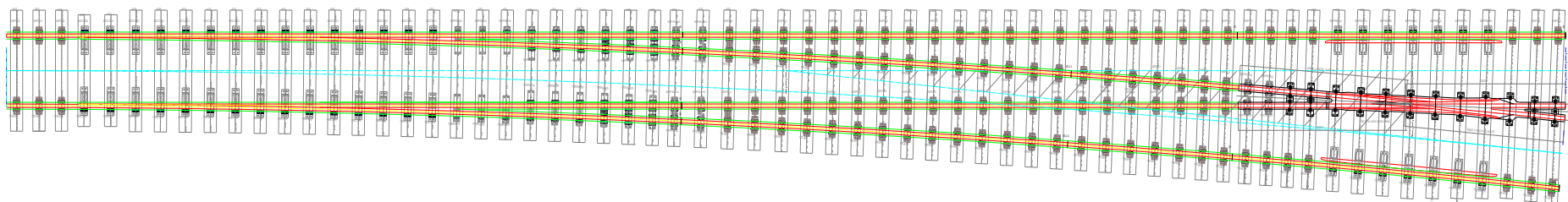
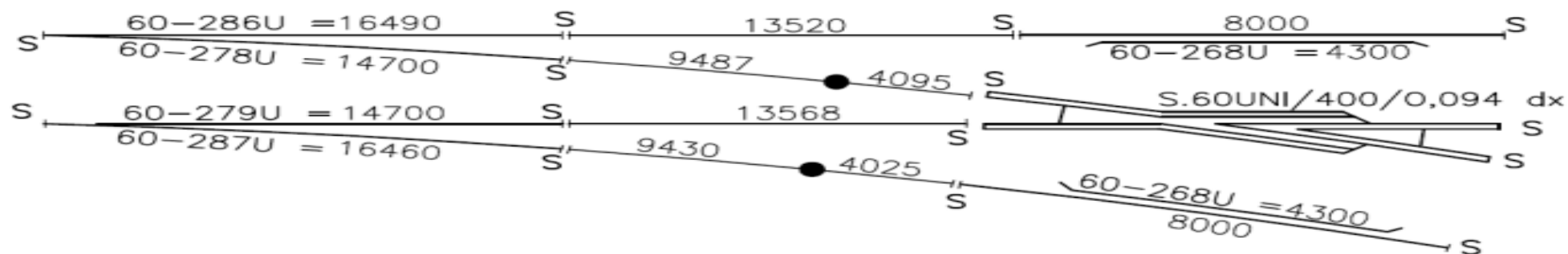
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/400/0,074

Rail profile 60E1 – Standard Turnout type 60/400/0,074



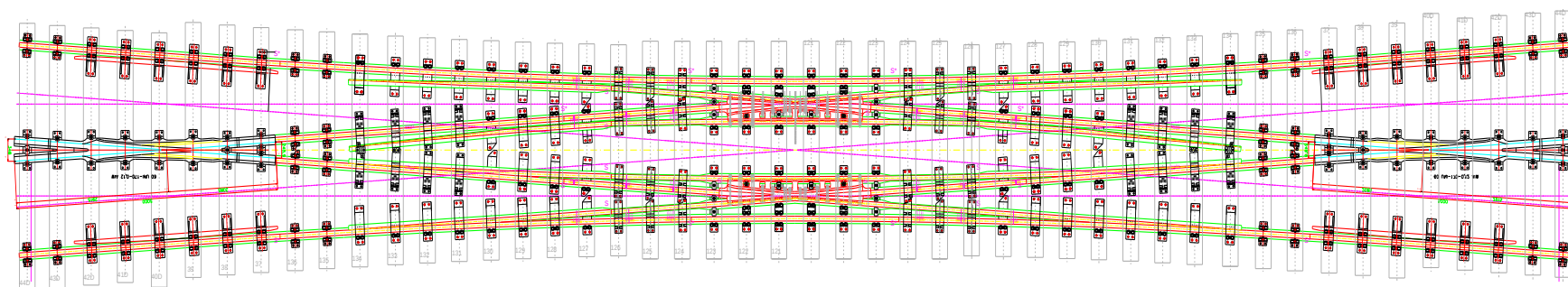
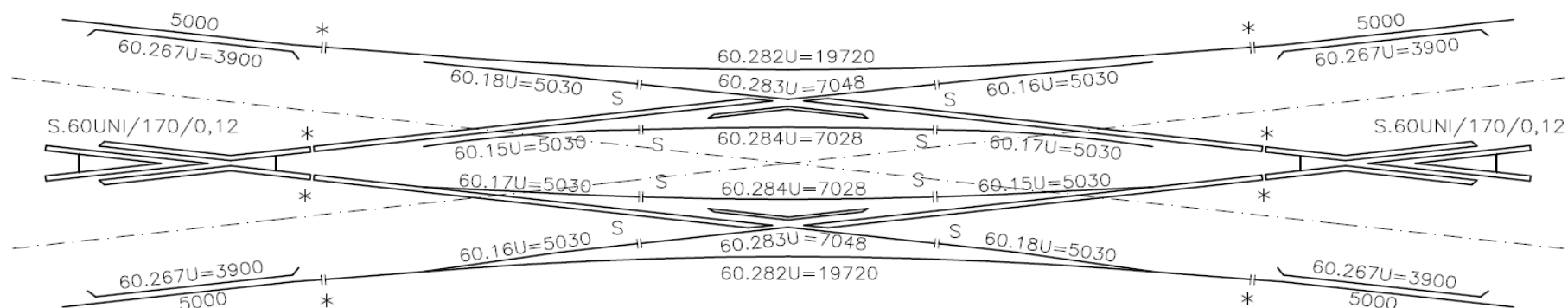
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/400/0,094

Rail profile 60E1 – Standard Turnout type 60/400/0,094



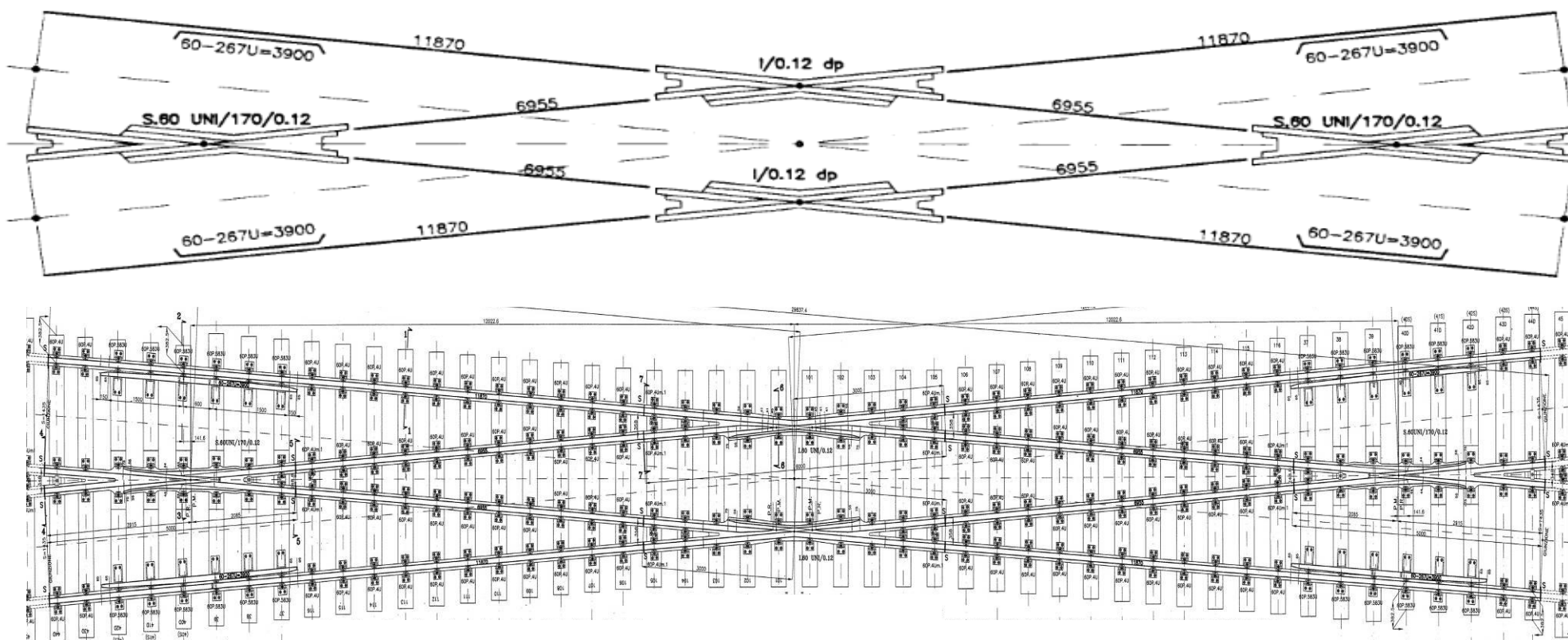
ARMAMENTO 60E1 – SCAMBIO INTERSEZIONE TIPO S.I.60/170/0,12

Rail 60E1 – Double diamond crossing type 60/170/0,12



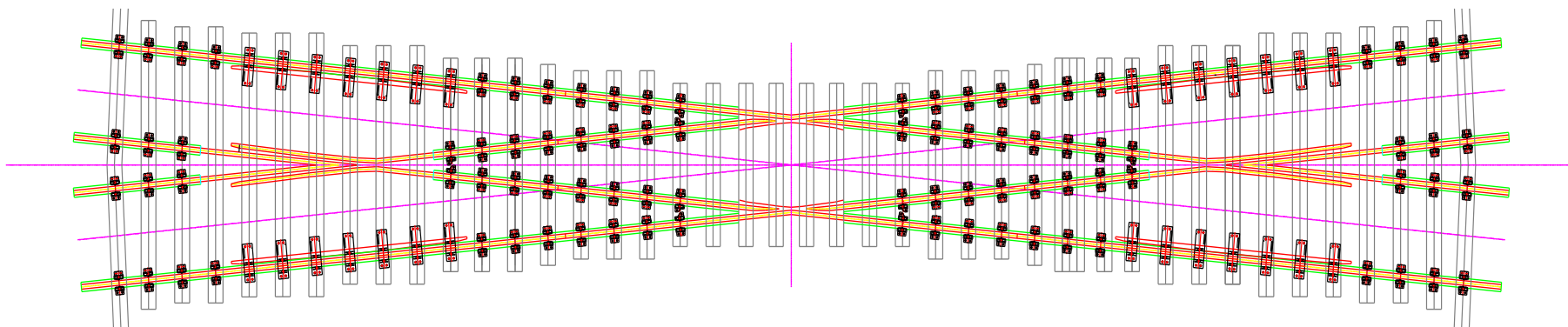
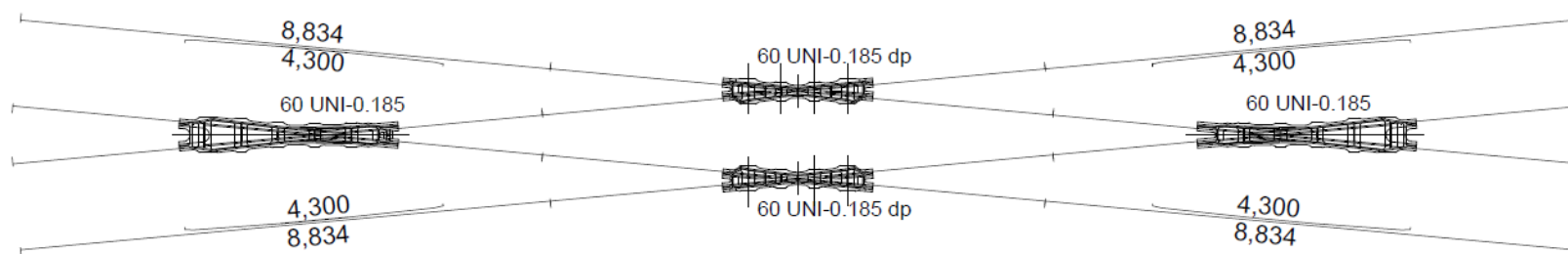
ARMAMENTO 60E1 - INTERSEZIONE TIPO I.60/0,12

Rail profile 60E1 - Crossing type 60/0,12



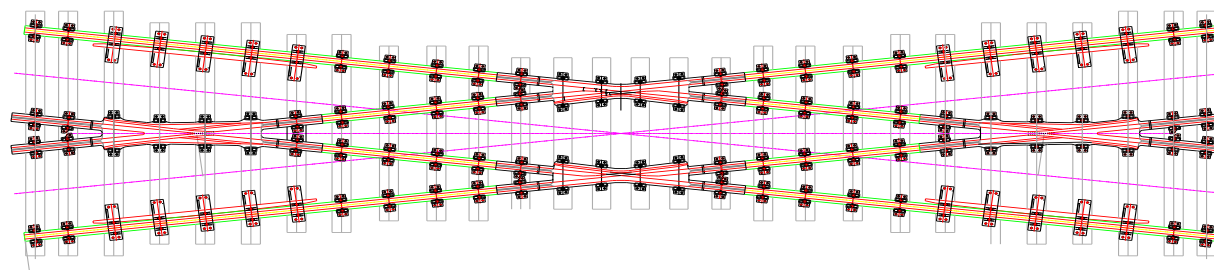
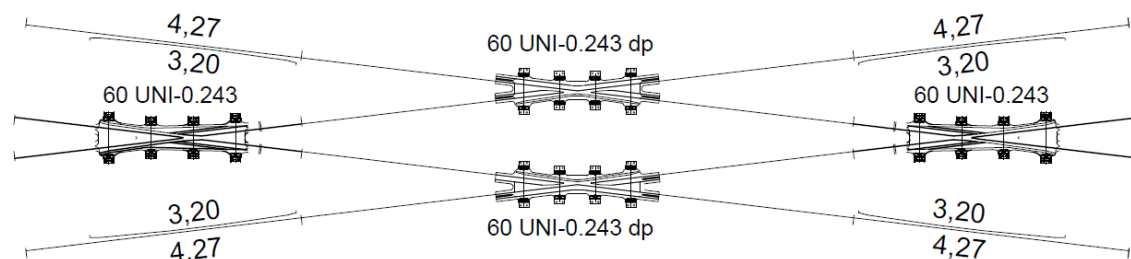
ARMAMENTO 60E1 – INTERSEZIONE TIPO I.60/0,185

Rail profile 60E1 – Crossing type 60/0,185



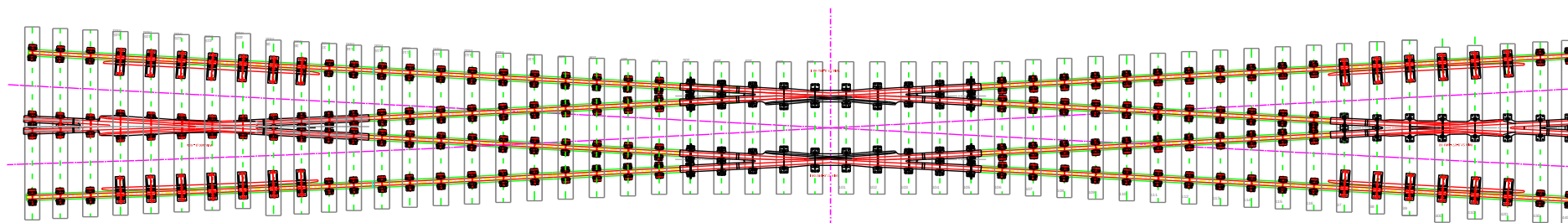
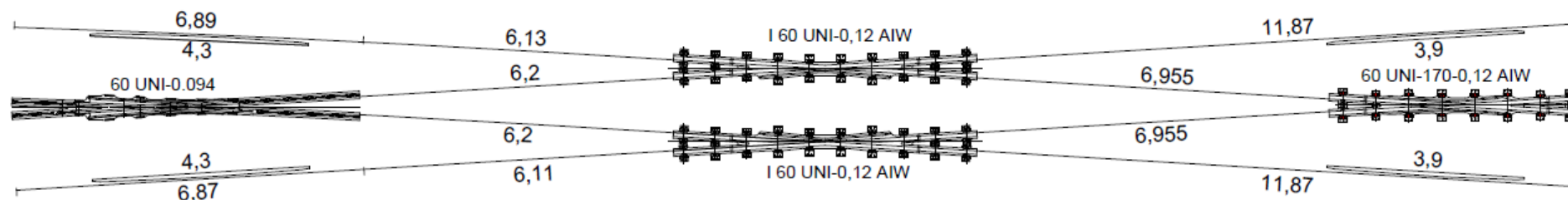
ARMAMENTO 60E1 – INTERSEZIONE TIPO I.60/0,243

Rail profile 60E1 – Crossing type 60/0,243



ARMAMENTO 60E1 – INTERSEZIONE TIPO I.60/0,094-0,12/0,12-0,12

Rail profile 60 E1 – Crossing type 60/0,094-0,12/0,12-0,12



SCAMBI ARMAMENTO 60E1

DEL TIPO TRADIZIONALE

Traditional turnouts – rail profile 60E1

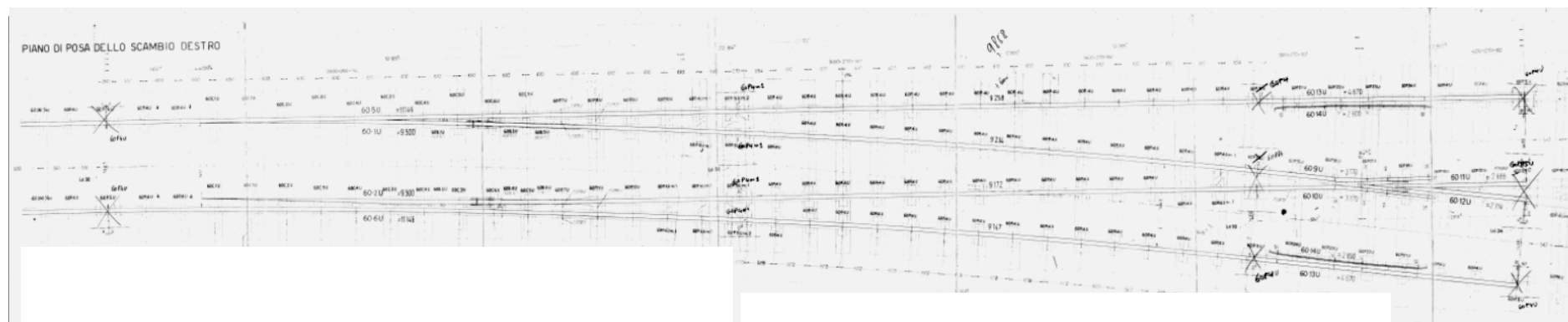
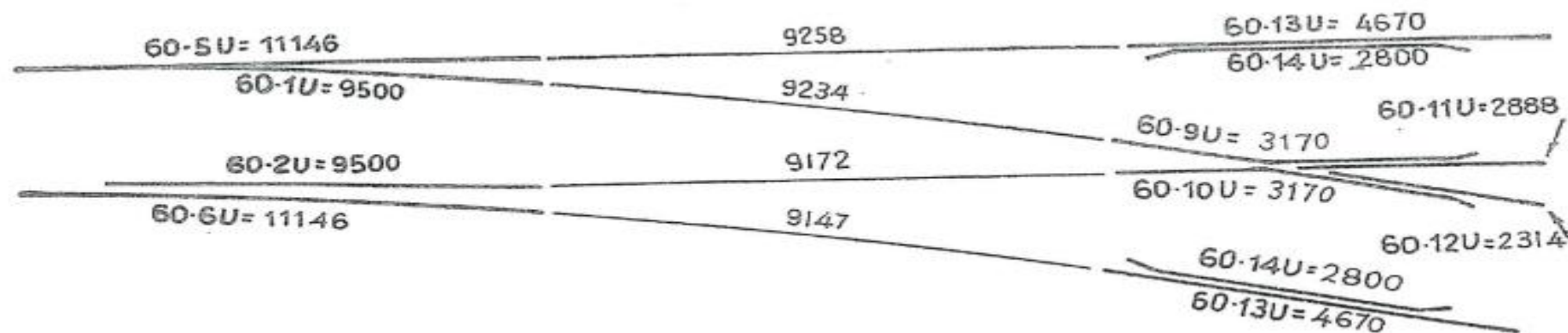


Apparecchi del binario con cuori costruiti assemblati di rotaia – cuscinetti tradizionali – controrotaie a lama del tipo Cr – posa su traversoni in legno

Railway turnouts with rail-assembled frogs – traditional sliding-chair – check-rail type Cr – laying on wooden sleepers

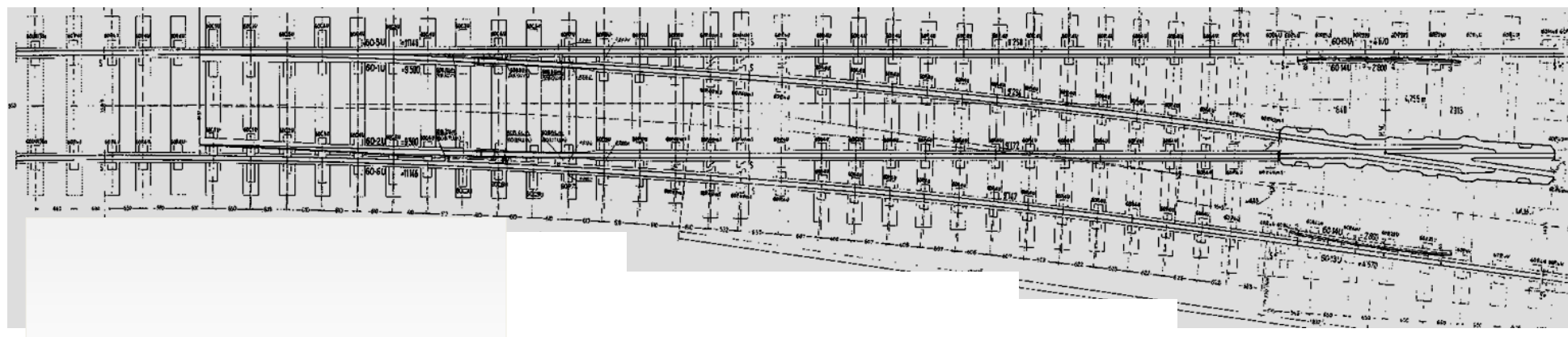
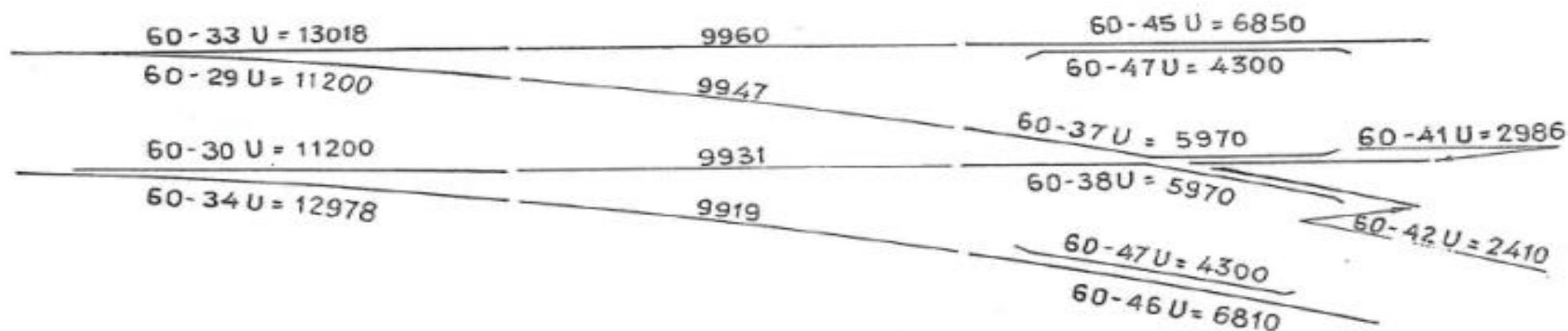
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/170/0,12

Rail profile 60E1 – Standard Turnout type 60/170/0,12



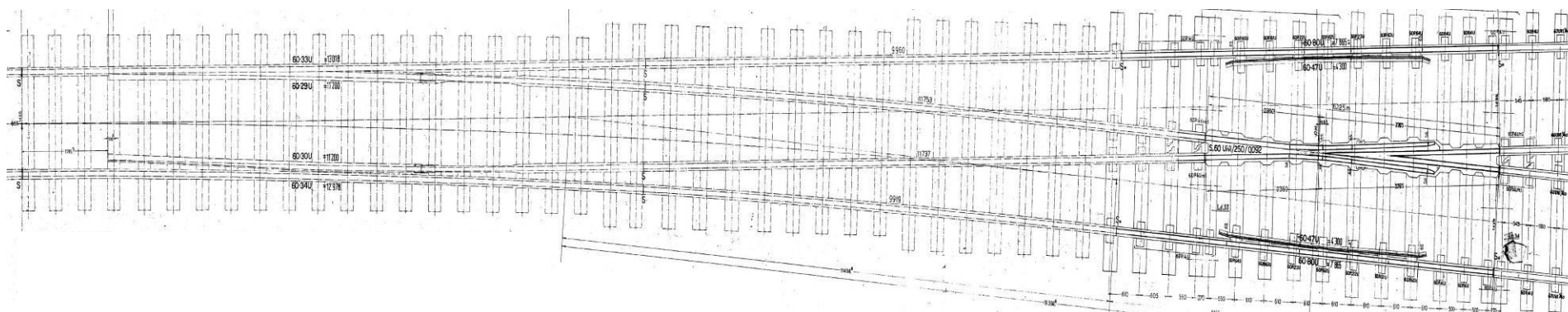
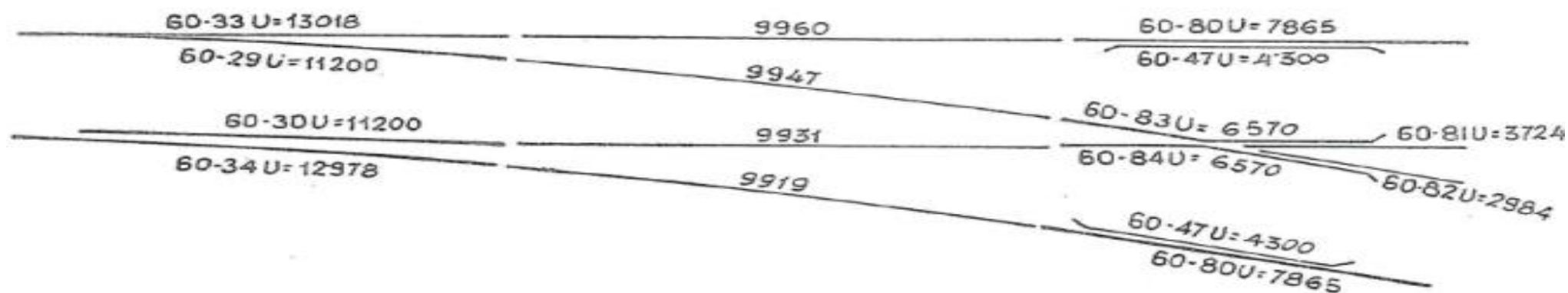
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/250/0,12

Rail profile 60E1 – Standard Turnout type 60/250/0,12



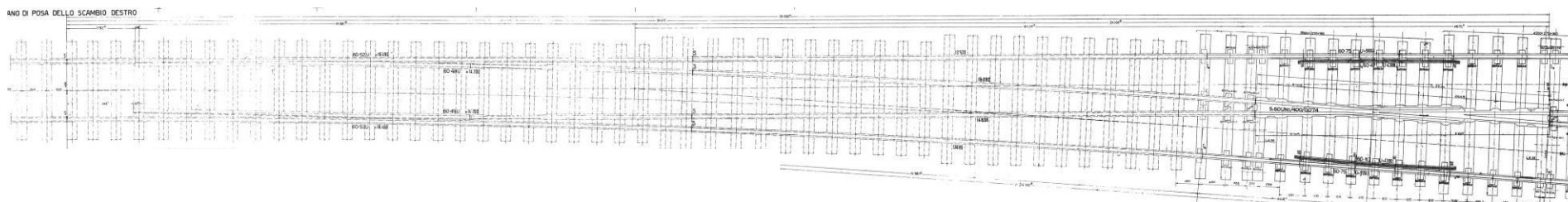
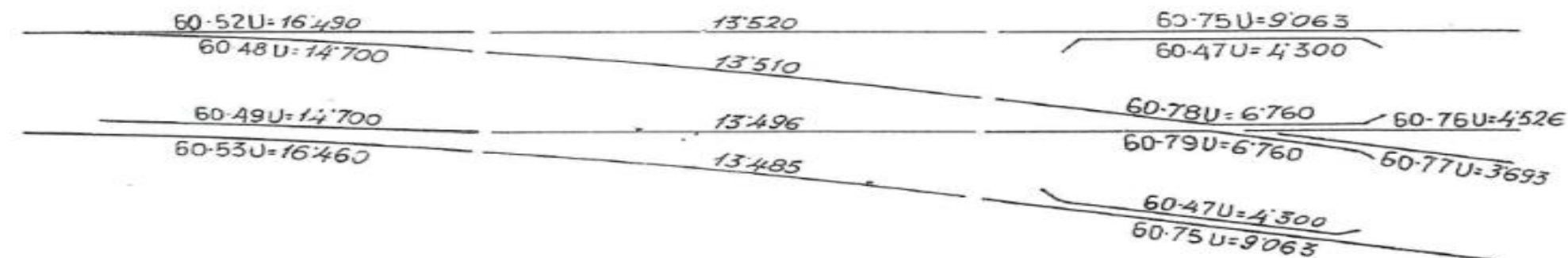
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/250/0,092

Rail profile 60E1 – Standard Turnout type 60/250/0,092



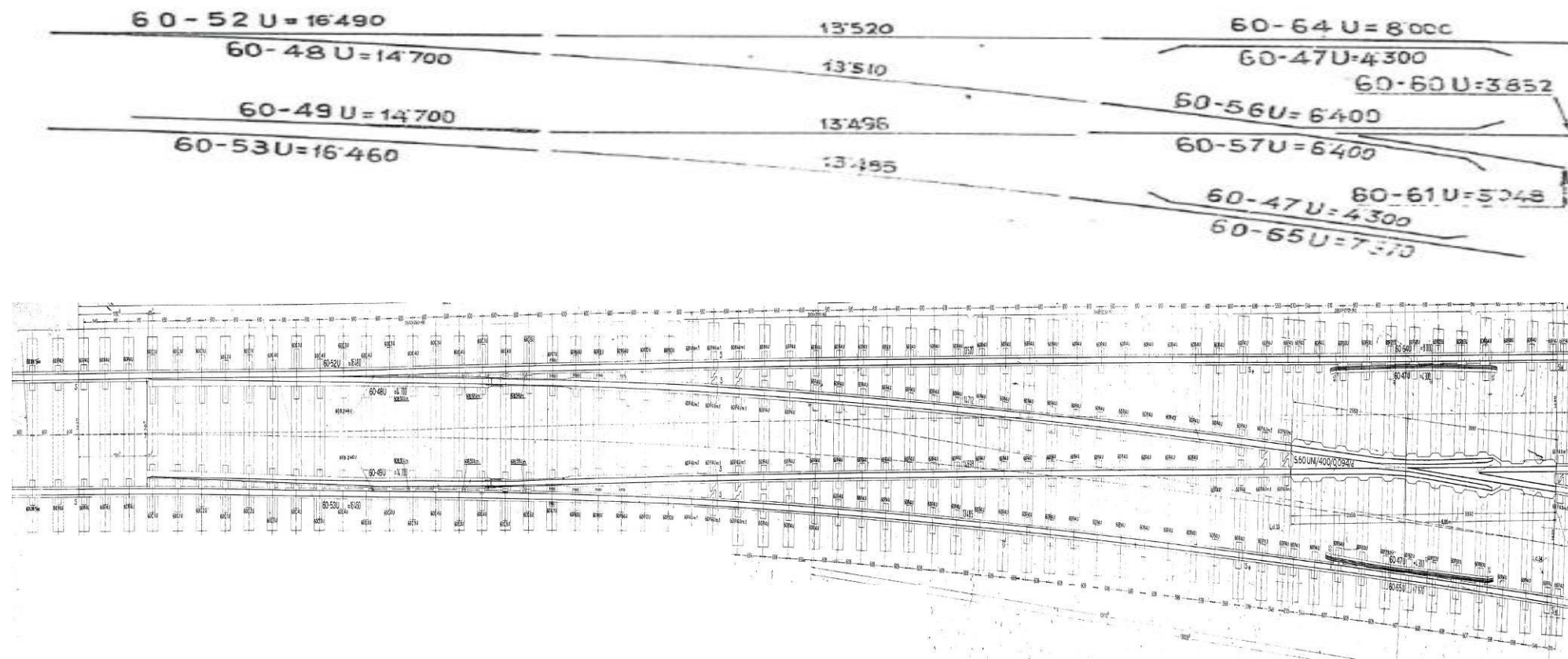
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/400/0,074

Rail profile 60E1 – Standard Turnout type 60/400/0,074

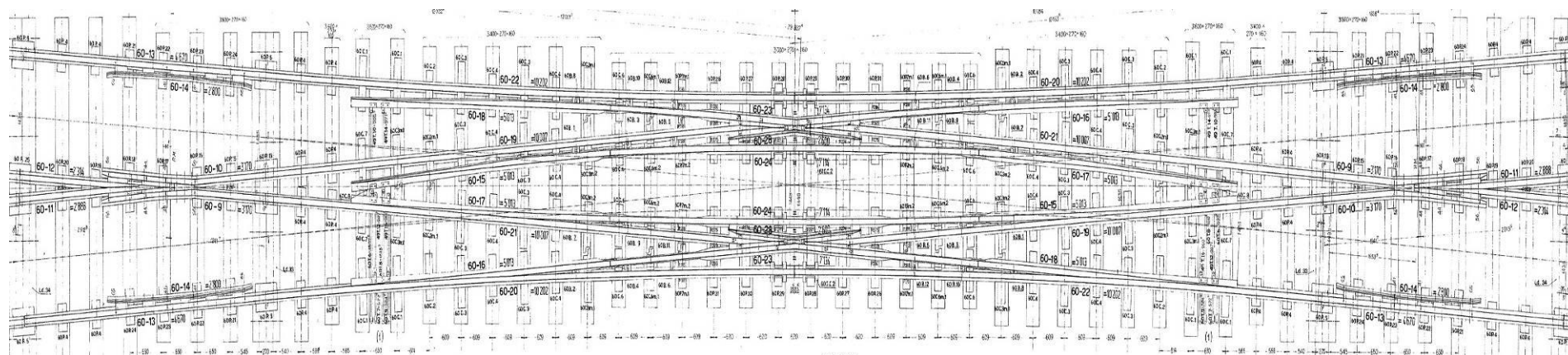


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Rail profile 60E1 – Standard Turnout type 60/400/0,094

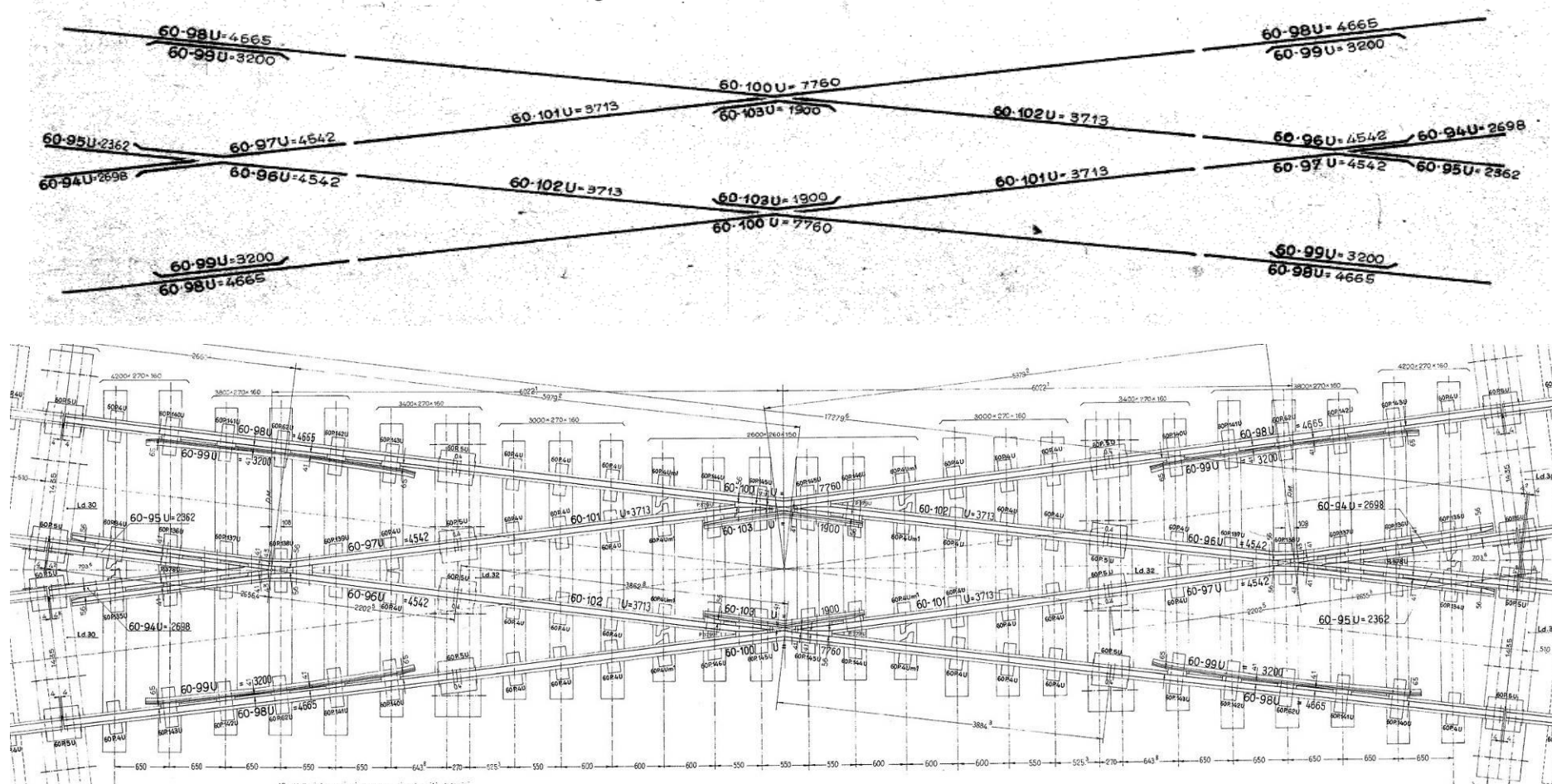


Rail profile 60E1 – Crossingtype60/170/0,12



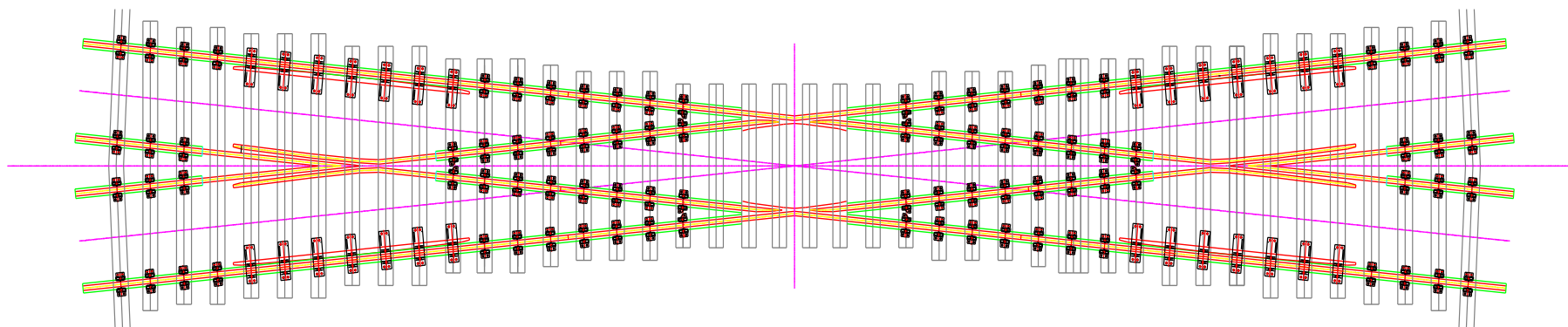
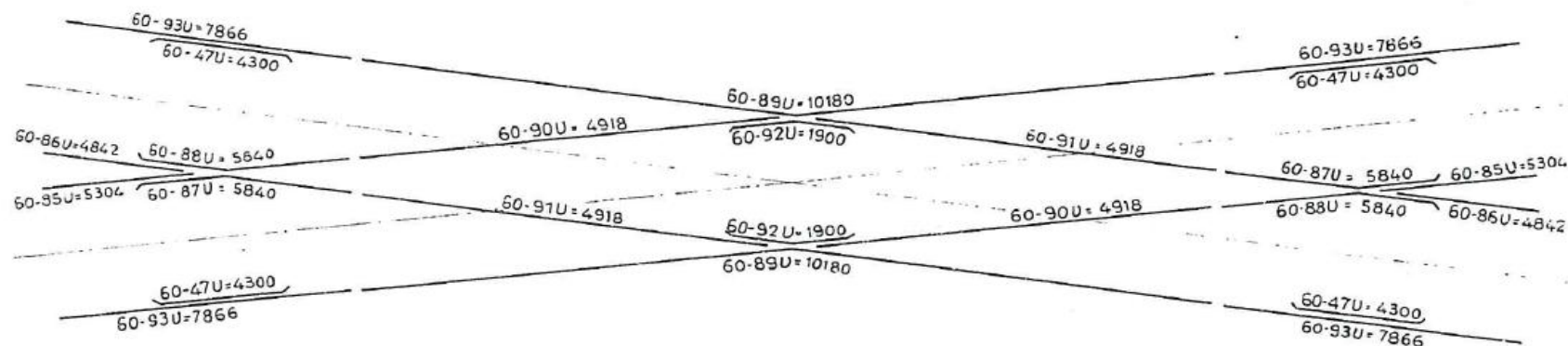
ARMAMENTO 60E1 - INTERSEZIONE TIPO I. 60/0,243

Rail profile 60E1 - Crossing type 60/0,243



ARMAMENTO 60E1 -INTERSEZIONE TIPO I. 60/0,185

Rail profile 60E1 - Crossing type 60/0,185





SCAMBI ARMAMENTO 49E1- 54E1- 60E1

MERCATO ESTERO

Turnouts rail 49E1 - 54E1 - 60E1

International network

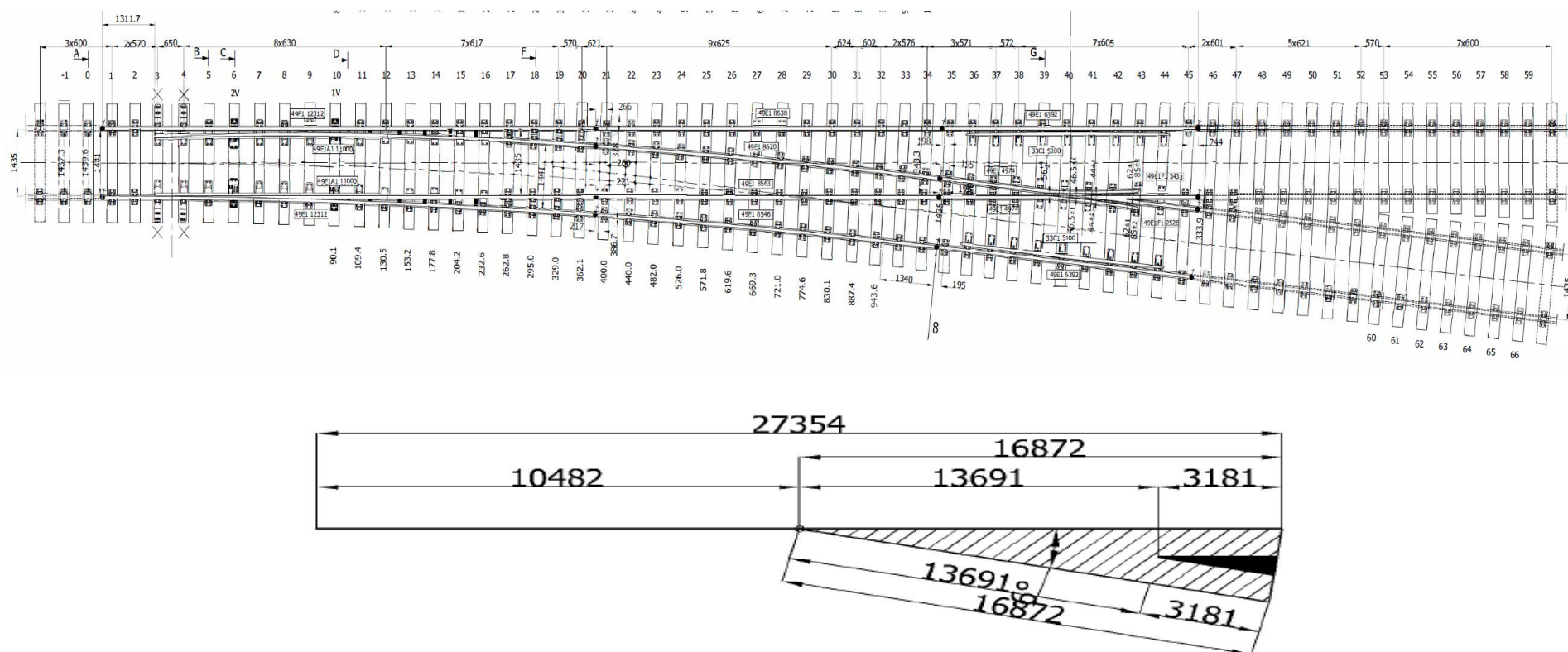


Apparecchi del binario con cuori costruiti assemblati di rotaia e forgiati – cuscinetti elastici – controrotaie tipo 33C1 – posa su traversoni in legno

Railway turnouts with rail-assembled and welded frogs – flexible sliding-chairs – check-rails type 33C1 – laying on wooden sleepers

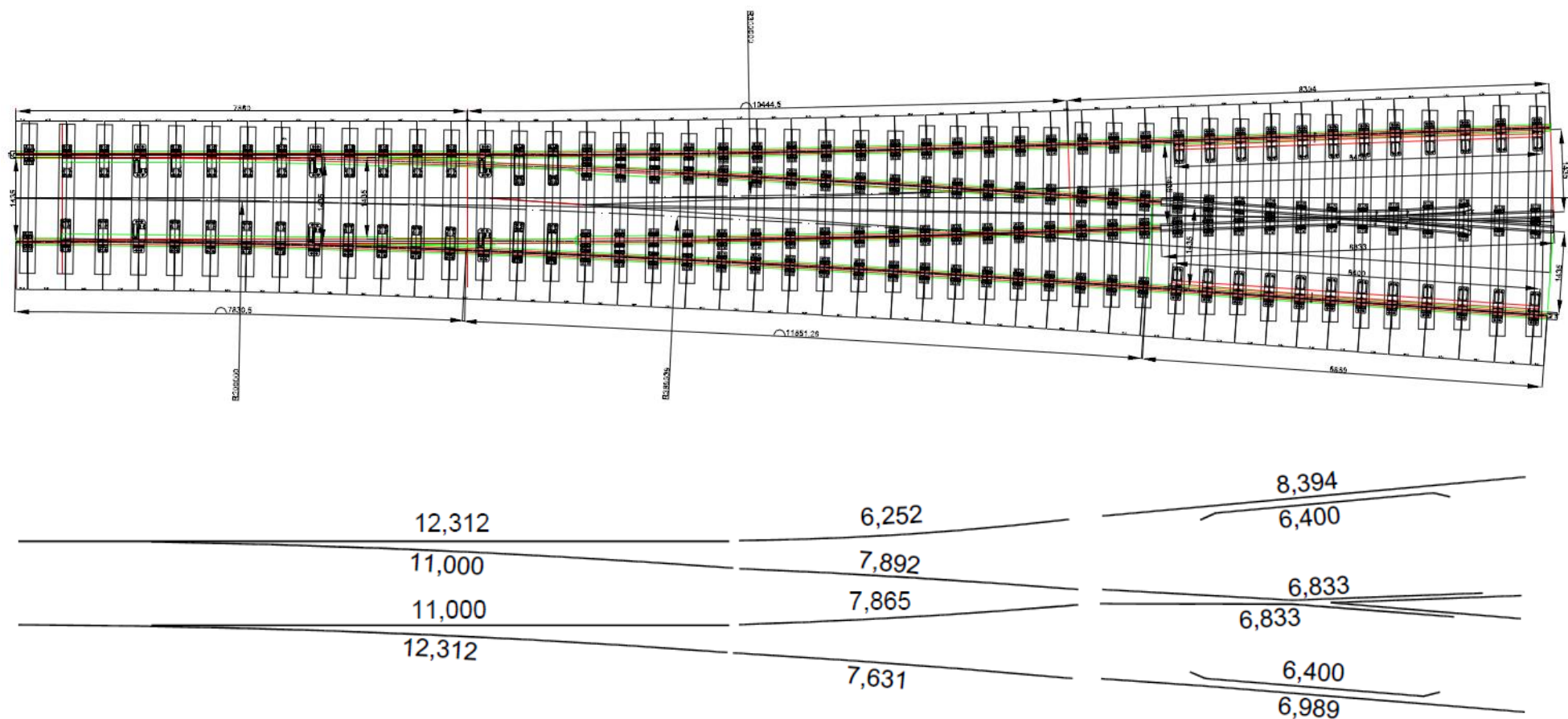
ARMAMENTO 49E1 – SCAMBIO SEMPLICE TIPO S.49/200/6°

Rail profile 49E1 – Standard Turnout type 49/200/6°



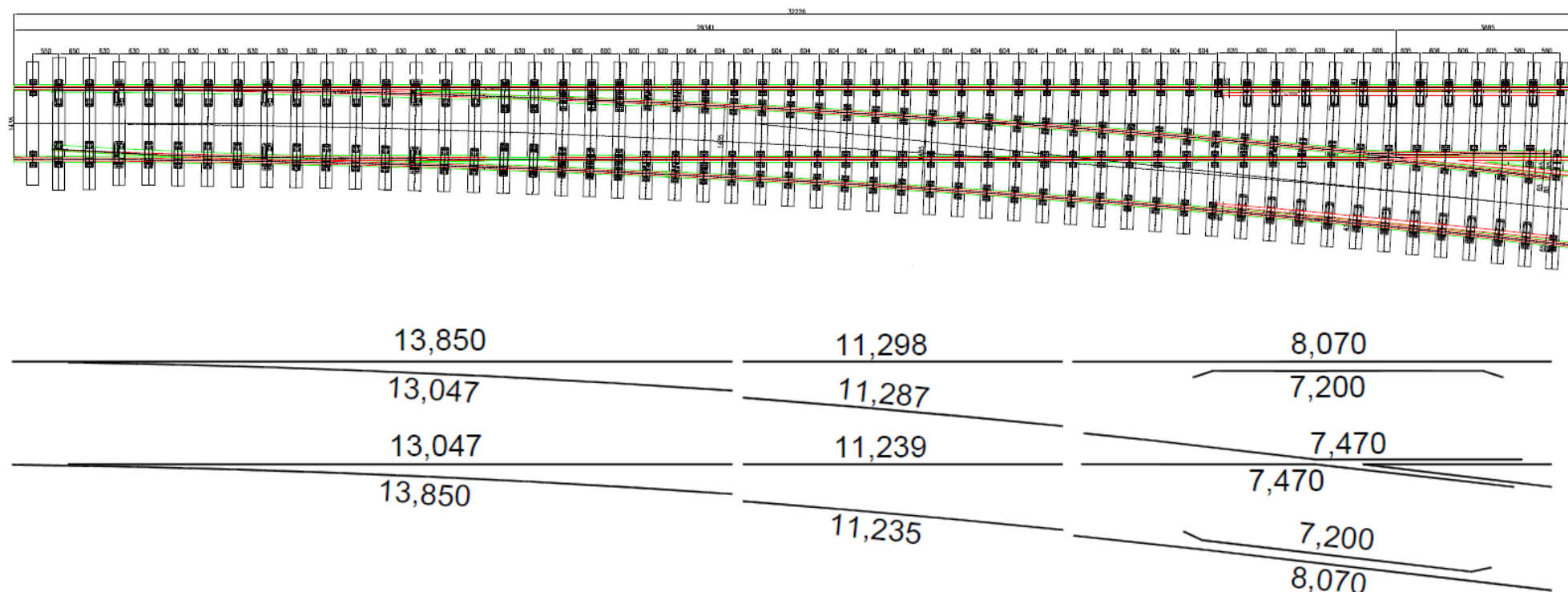
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Rail profile 49E1 – Standard Turnout type 49/200-300



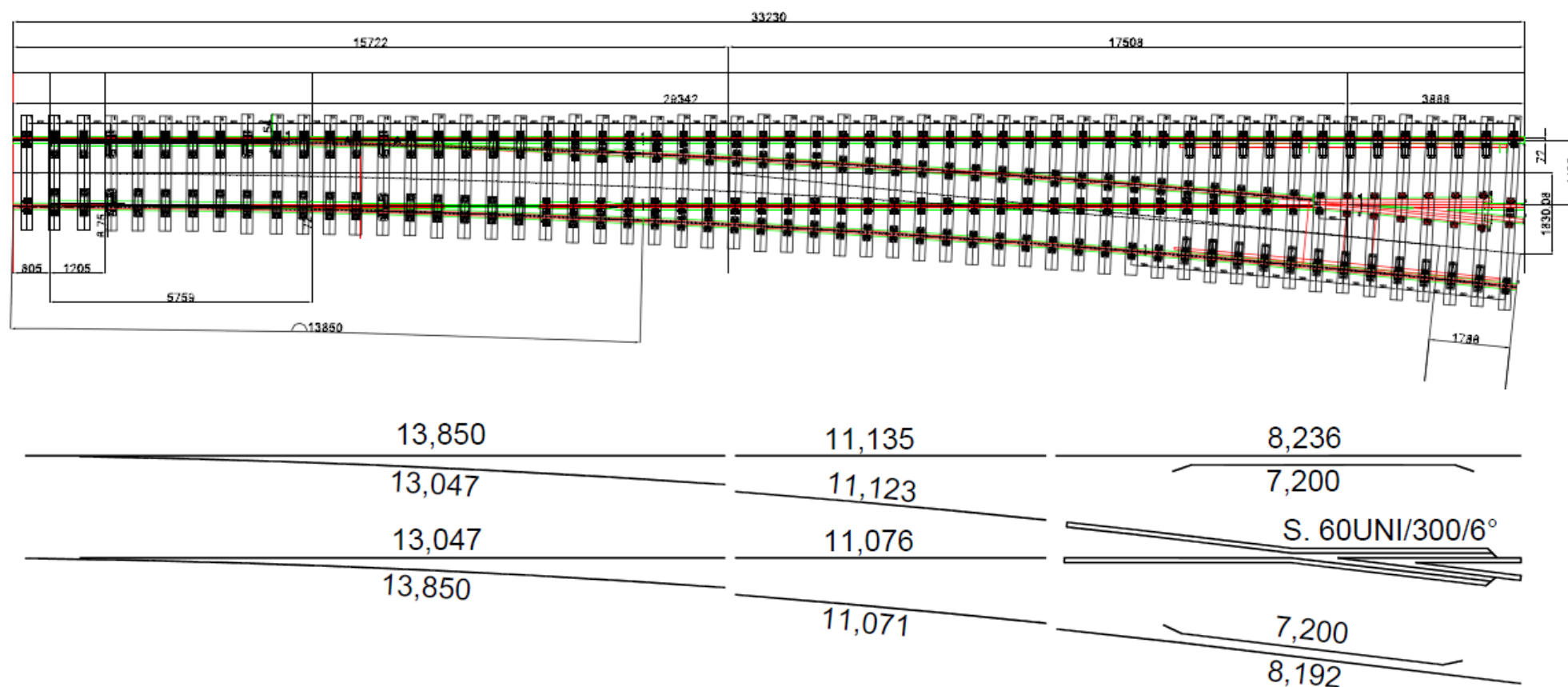
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Rail profile 49E1 – Standard Turnout type 49/300/6°



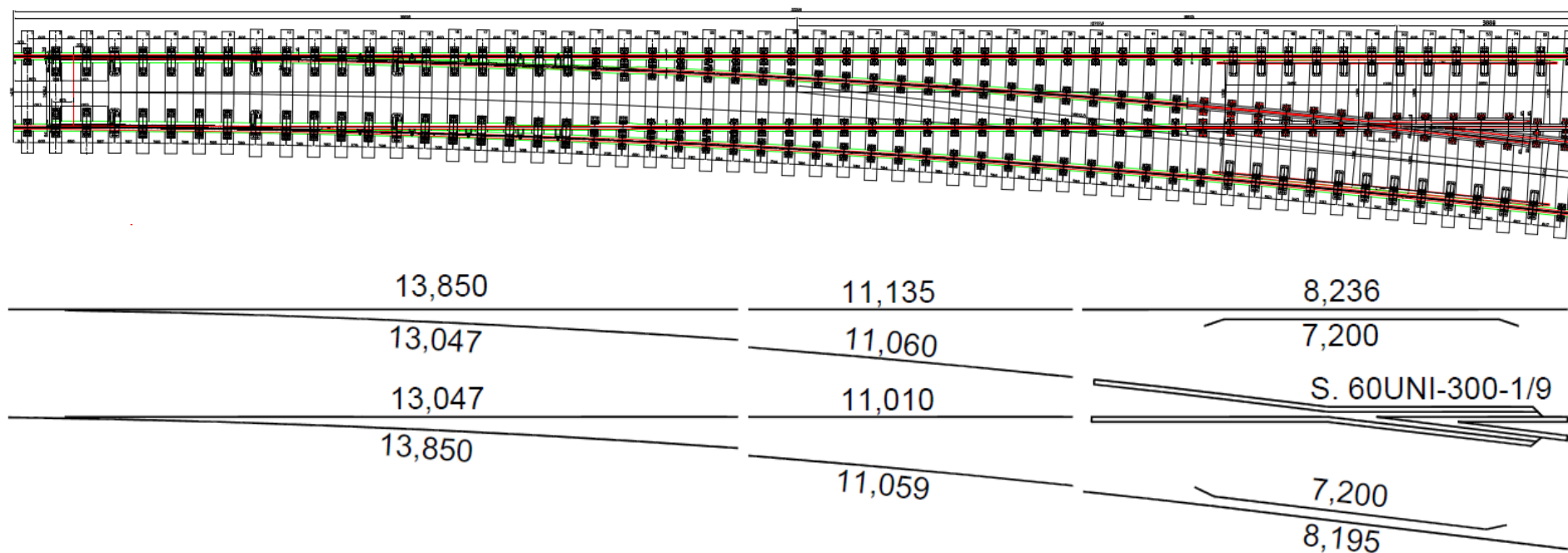
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Rail profile 60E1 – Standard Turnout type 60/300/6°



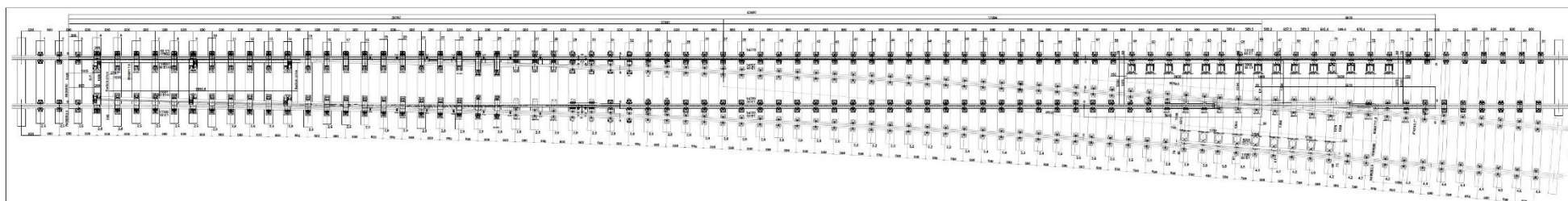
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Rail profile 60E1 – Standard Turnout type 60/300/1:9

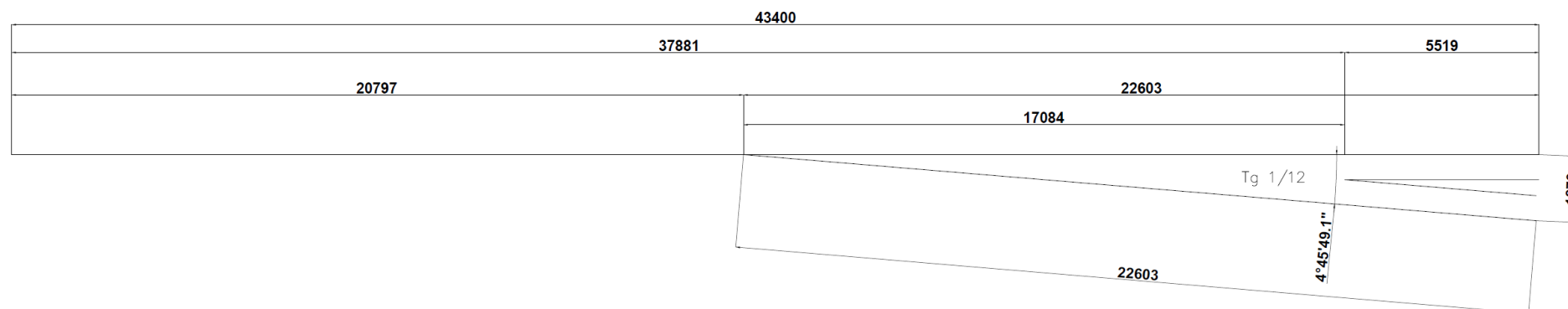


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Rail profile 60E1 – Standard Turnout type 60/500/1:12

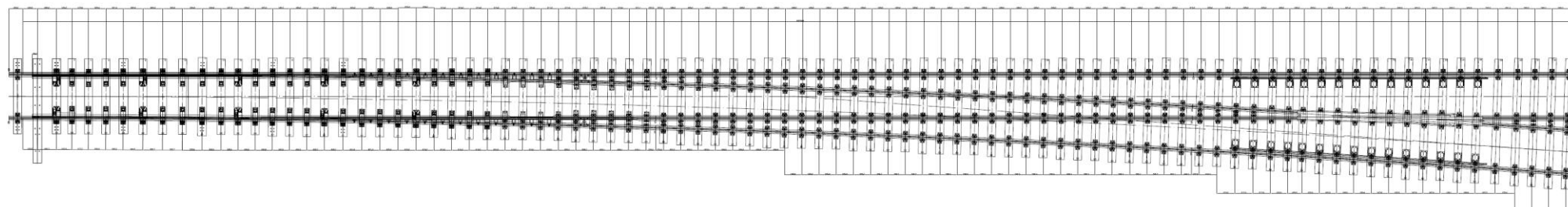


AXLE SCHEME

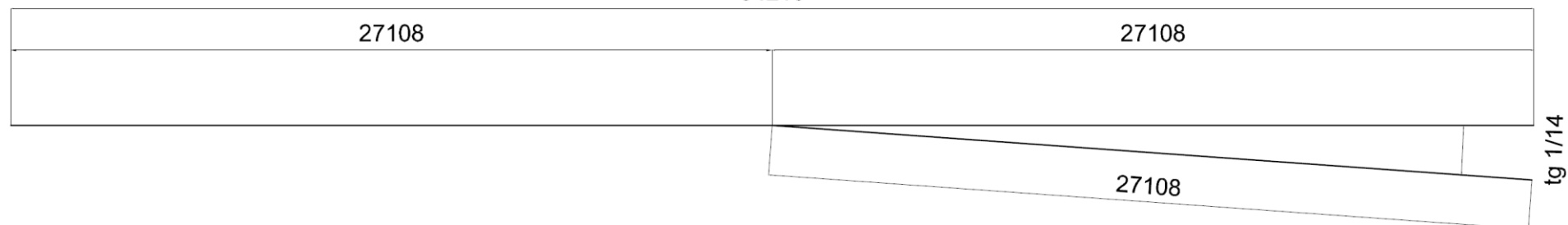


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Rail profile 60E1 – Standard Turnout type 60/760/1:14

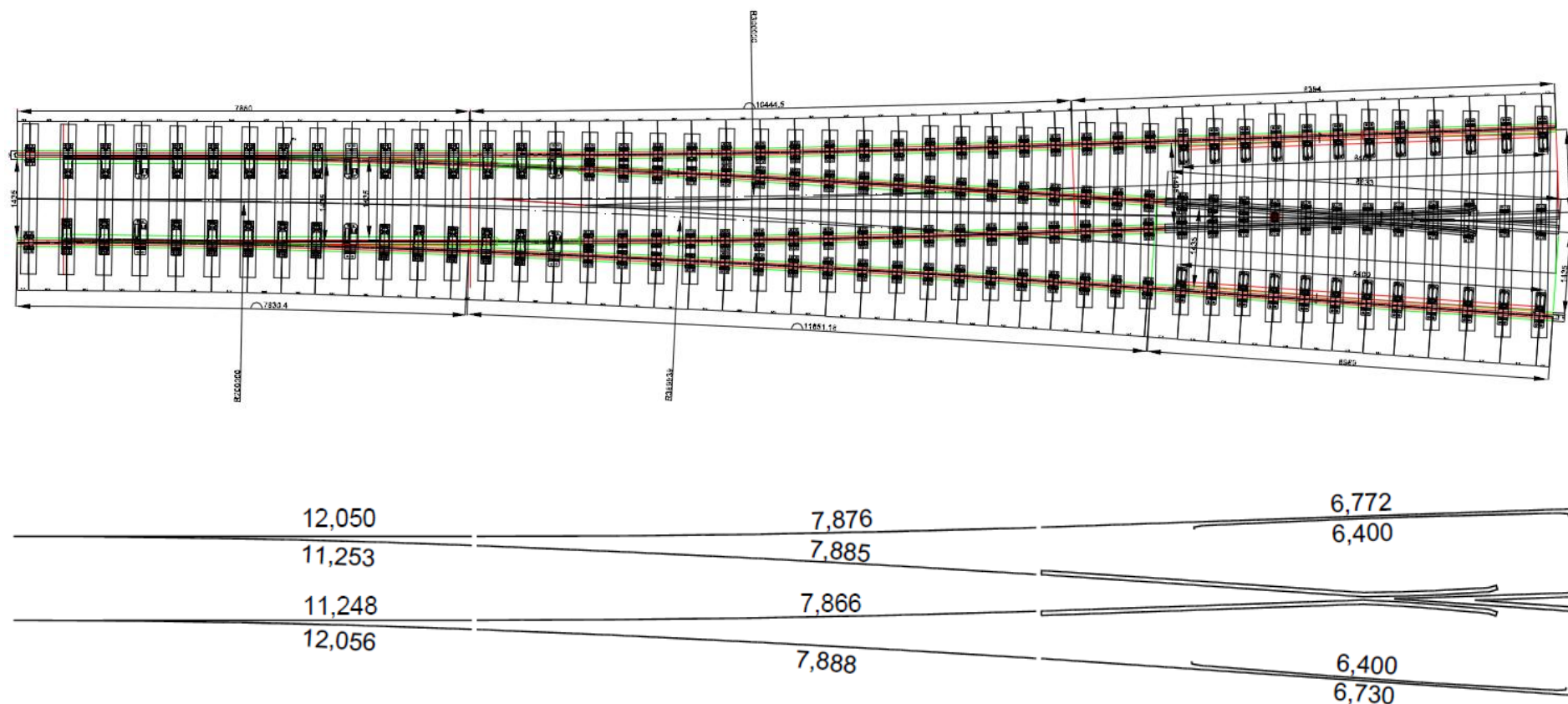


AXIAL DIAGRAM
54216



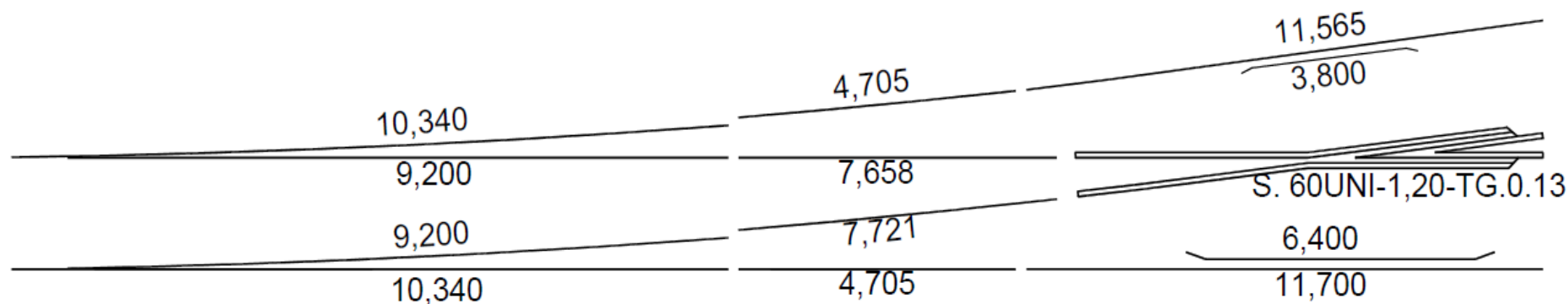
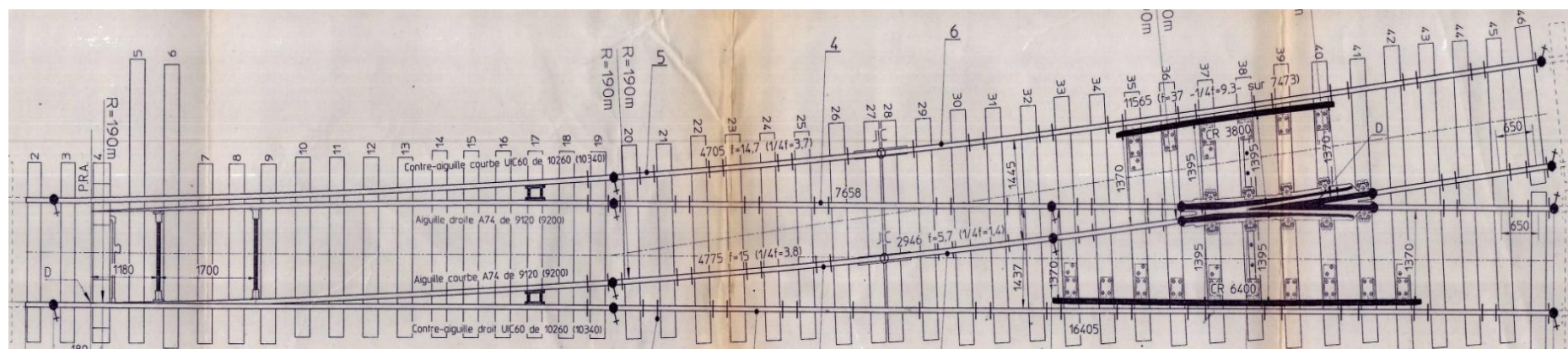
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60/200-300

Rail profile 60E1 – Standard Turnout type 60/200-300



ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60-1,20-TG.0.13

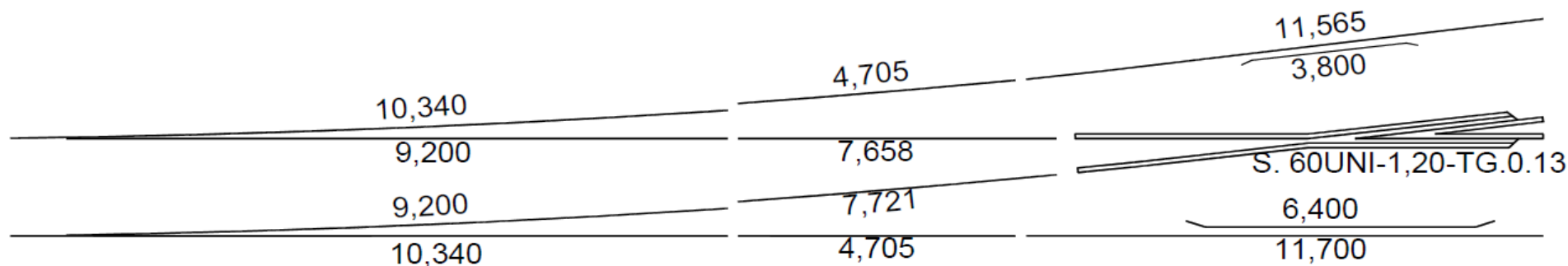
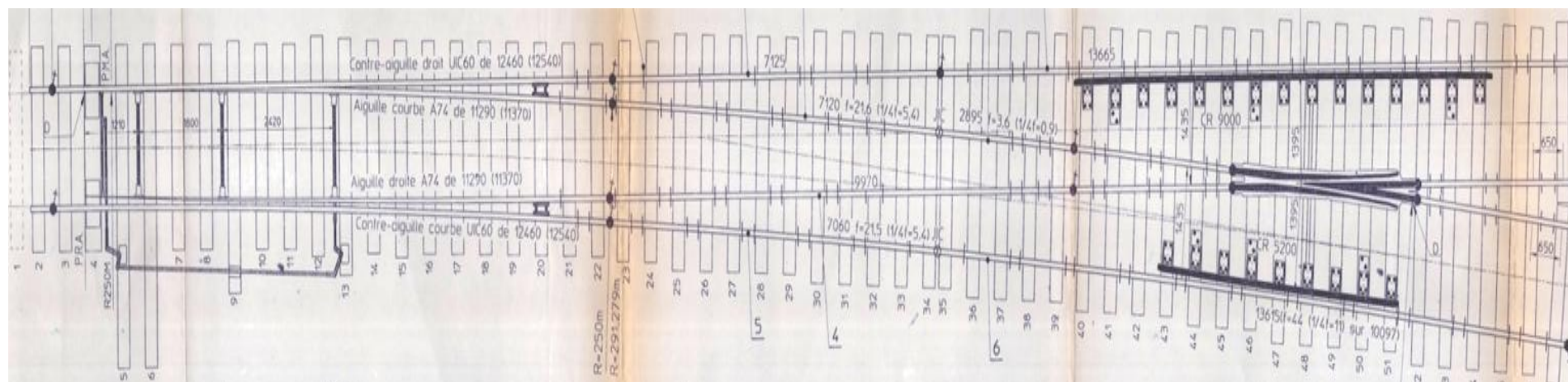
Rail profile 60E1 – Standard Turnout type 60-1,20-TG.0.13



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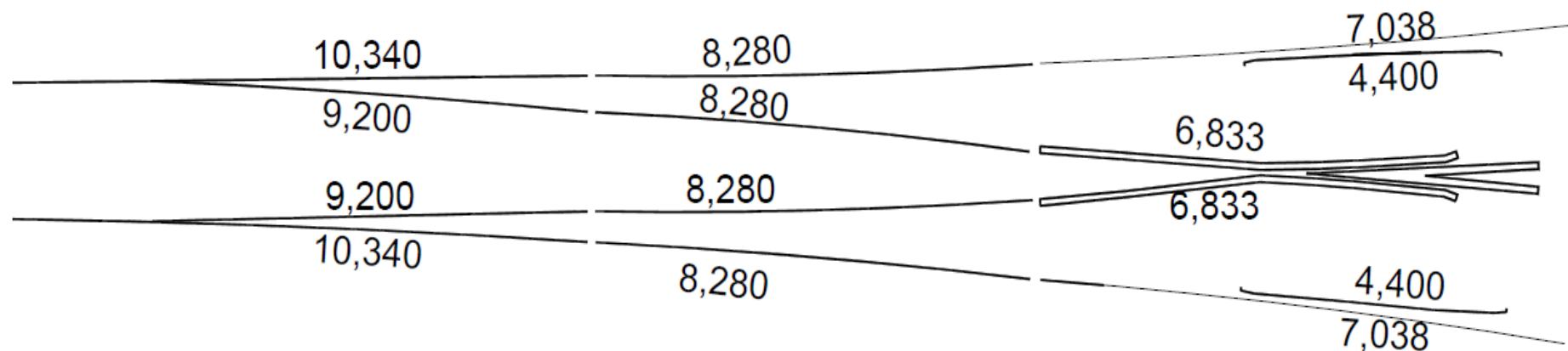
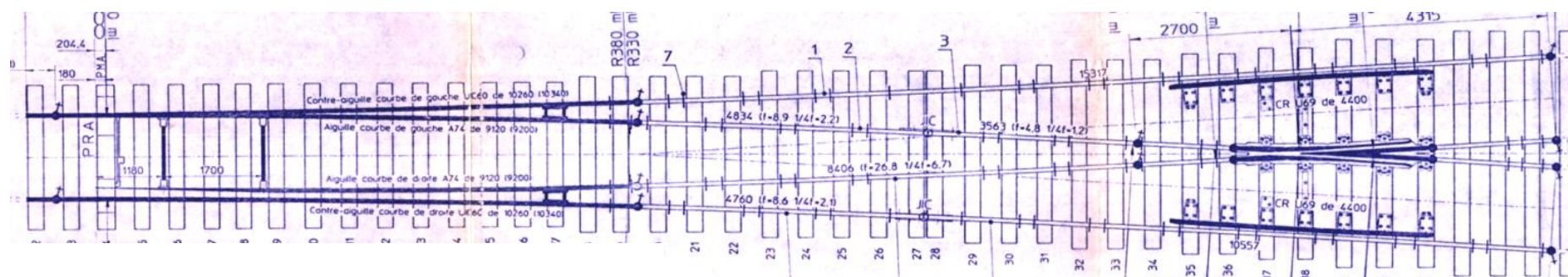
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60-1,20-TG.0.13

Rail profile 60E1 – Standard Turnout type 60-1,20-TG.0.13



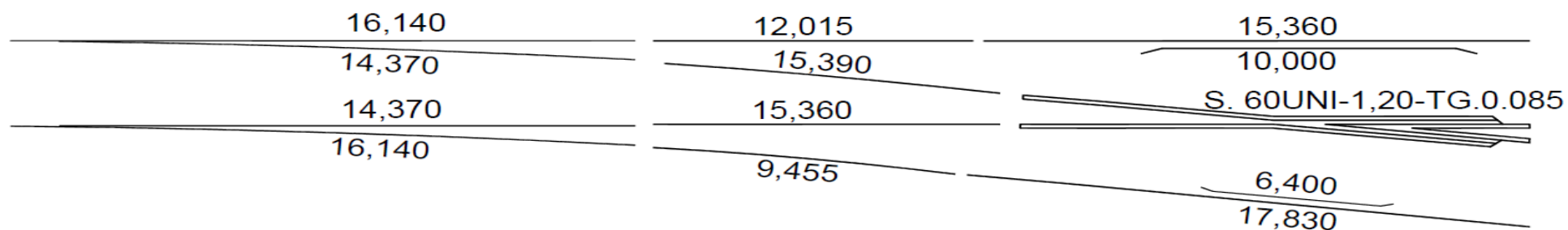
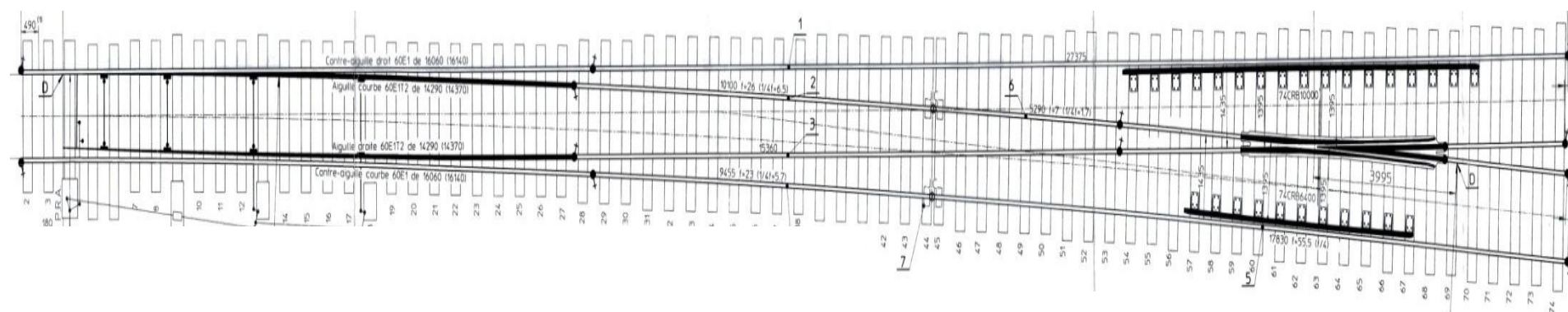
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60-1,20-TG.0.13 Simm.

Rail profile 60E1 – Standard Turnout type 60-1,20-TG.0.13 Simm.



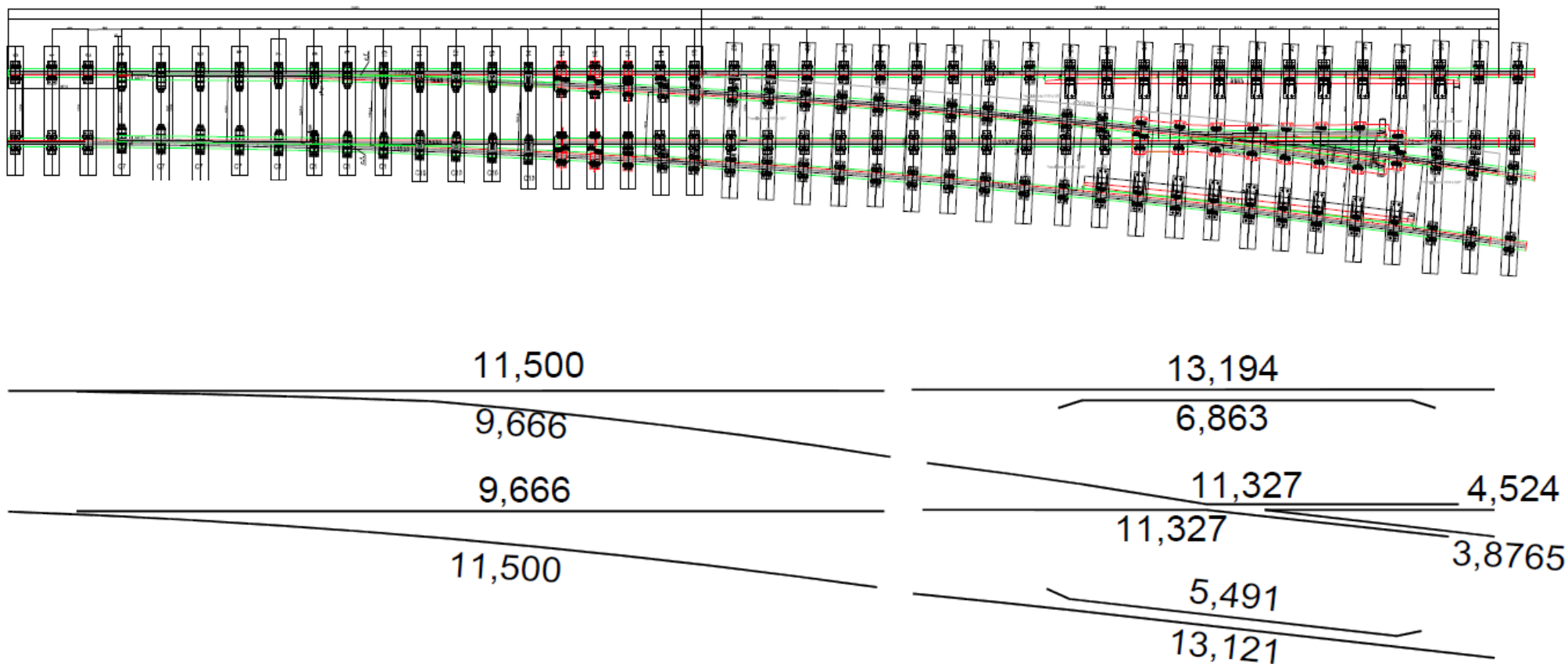
ARMAMENTO 60E1 – SCAMBIO SEMPLICE TIPO S.60-1,20-TG.0.085

Rail profile 60E1 – Standard Turnout type 60-1,20-TG.0.085



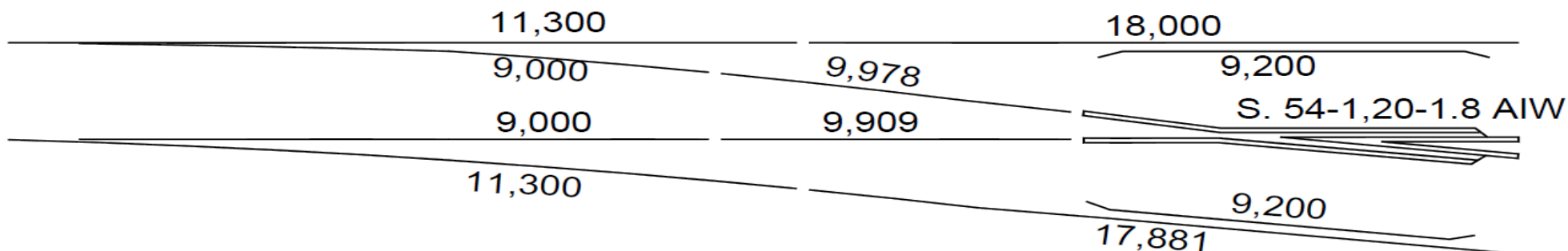
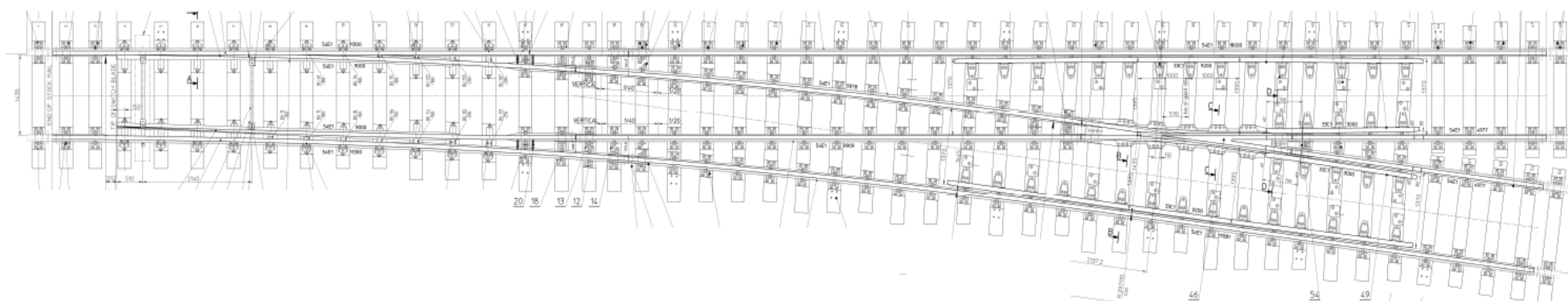
ARMAMENTO 54E1 – SCAMBIO SEMPLICE TIPO S.54/190/0.13

Rail profile 54E1 – Standard Turnout type 54/190/0.13



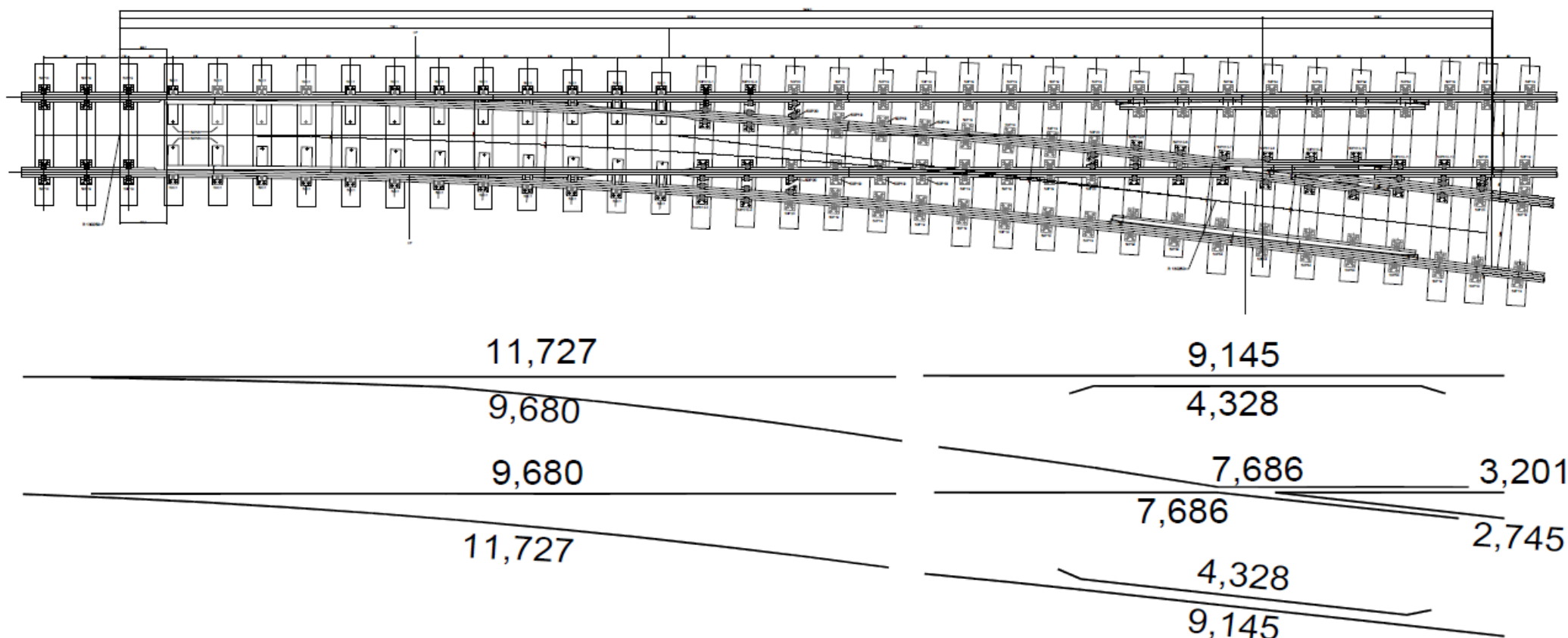
ARMAMENTO 54E1 – SCAMBIO SEMPLICE TIPO S.54-1.20-1.8

Rail profile 54E1 – Standard Turnout type 54-1.20-1.8



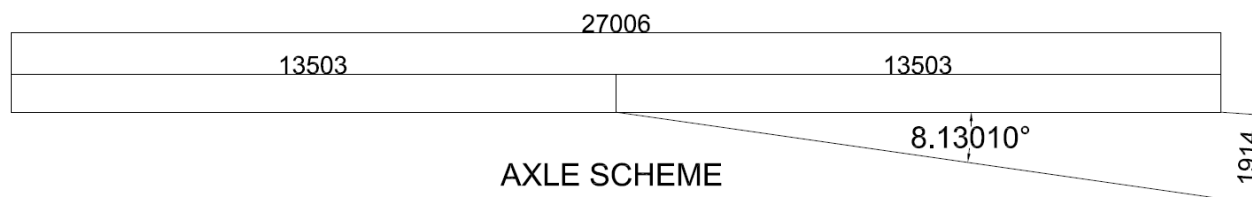
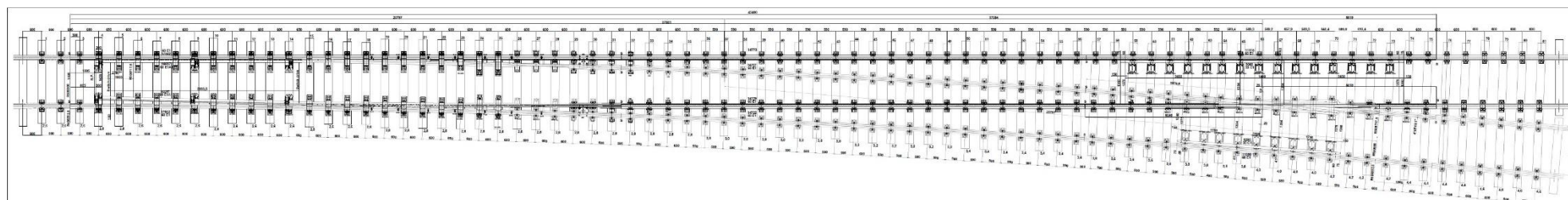
ARMAMENTO 50U – SCAMBIO SEMPLICE TIPO S.50U-130,75-0.12

Rail profile 50U – Standard Turnout type 50U-130,75-0.12



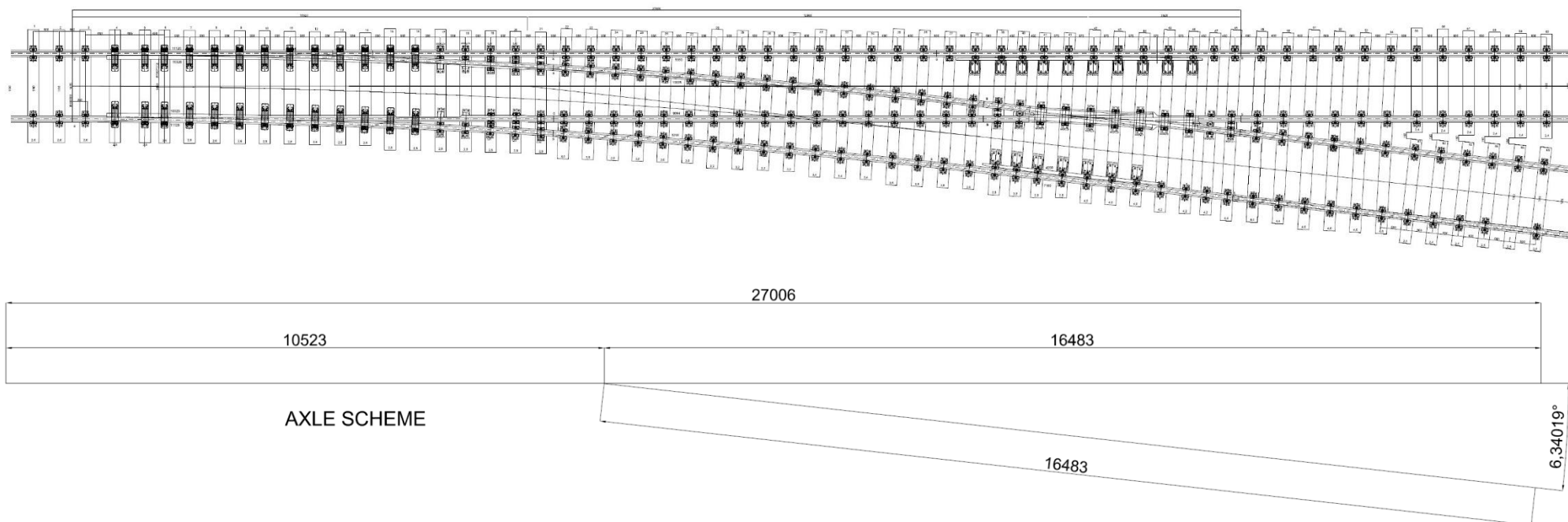
ARMAMENTO 54E1 – SCAMBIO SEMPLICE TIPO S.54E1/190/1:7

Rail profile 54E1 – Standard Turnout type 54E1/190/1:7



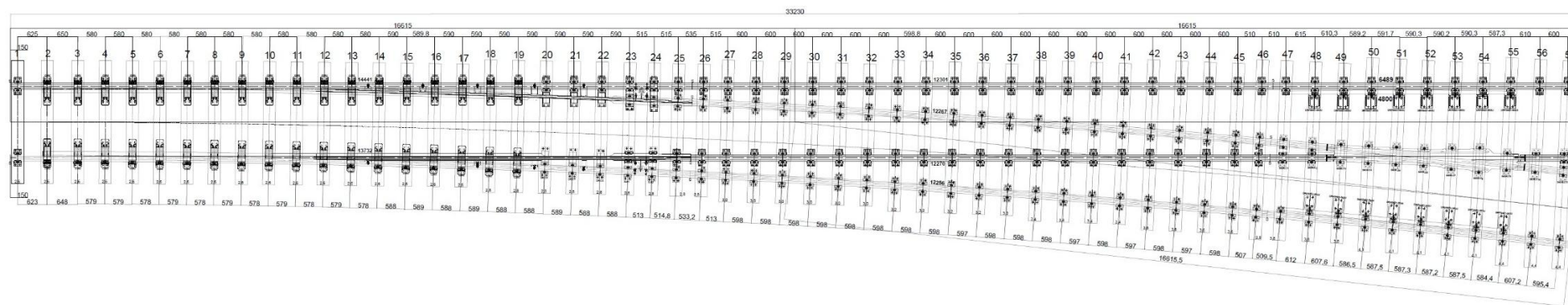
ARMAMENTO 54E1 – SCAMBIO SEMPLICE TIPO S.54E1/190/1:9

Rail profile 54E1 – Standard Turnout type 54E1/190/1:9

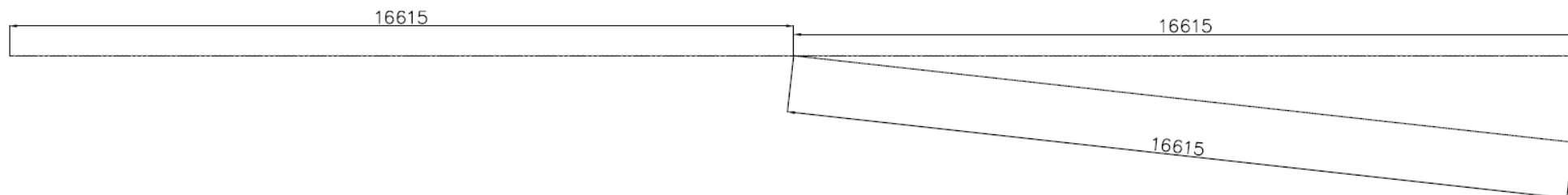


ARMAMENTO 54E1 – SCAMBIO SEMPLICE TIPO S.54E1/300/1:9

Rail profile 54E1 – Standard Turnout type 54E1/300/1:9

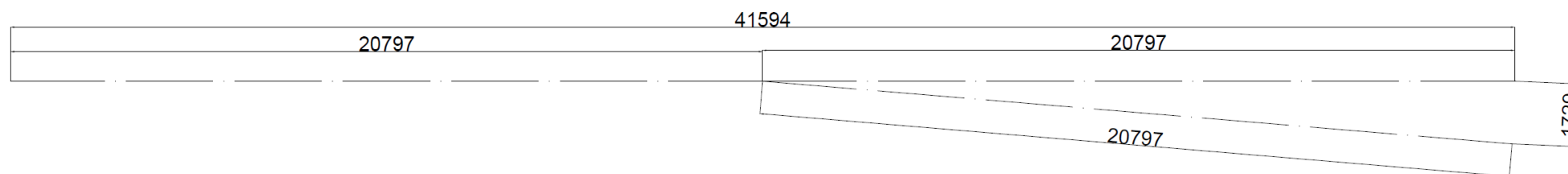
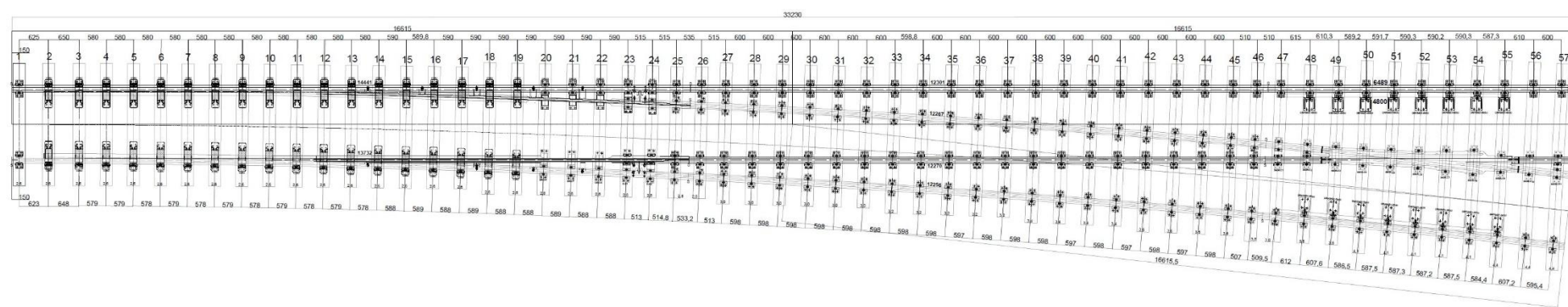


AXLE SCHEME



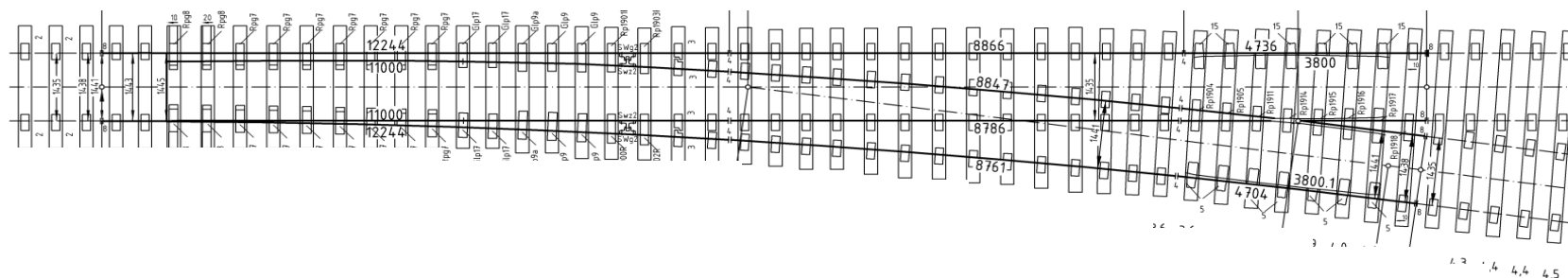
ARMAMENTO 54E1 – SCAMBIO SEMPLICE TIPO S.54E1/500/1:12

Rail profile 54E1 – Standard Turnout type 54E1/500/1:12



ARMAMENTO 49E1 – SCAMBIO SEMPLICE TIPO S.49/190/7.5°

Rail profile 49E1 – Standard Turnout type 49/190/7.5°



12,244	8,886	4,736
11,000	8,847	3,800
11,000	8,786	3,945
12,244	8,761	3,945
		3,800
		4,736



COMPONENTISTICA FERROVIARIA

Railway Components



Produzione di apparecchi del binario di qualsiasi tipo e armamento sia per le ferrovie e per stabilimenti industriali, sia rispondenti alle prescrizioni della maggior parte delle norme estere.

Inoltre vengono forniti, su richiesta, qualsiasi altro tipo di scambio o parte di scambio.

Produzione di materiale per armamento ferroviario italiano ed estero come: piastre, ganasce, chiavarde, caviglie...

Nelle pagine seguenti vengono illustrati gli elementi costitutivi e le principali caratteristiche strutturali e geometriche relative all'armamento minuto dei binari ed agli scambi ferroviari di corrente produzione.

Production of any kind of railway turnouts, both for the state network and for industrial factories, respecting the standards of most foreign networks.

On specific request we can supply any other type of turnout or parts of turnout.

Production of railway track components for national and international networks : base-plates, fishplates, bolts, sleeper screws...

The following pages illustrate the current production of the most important items and the main structural & geometrical features of the track and turnout components of current production.

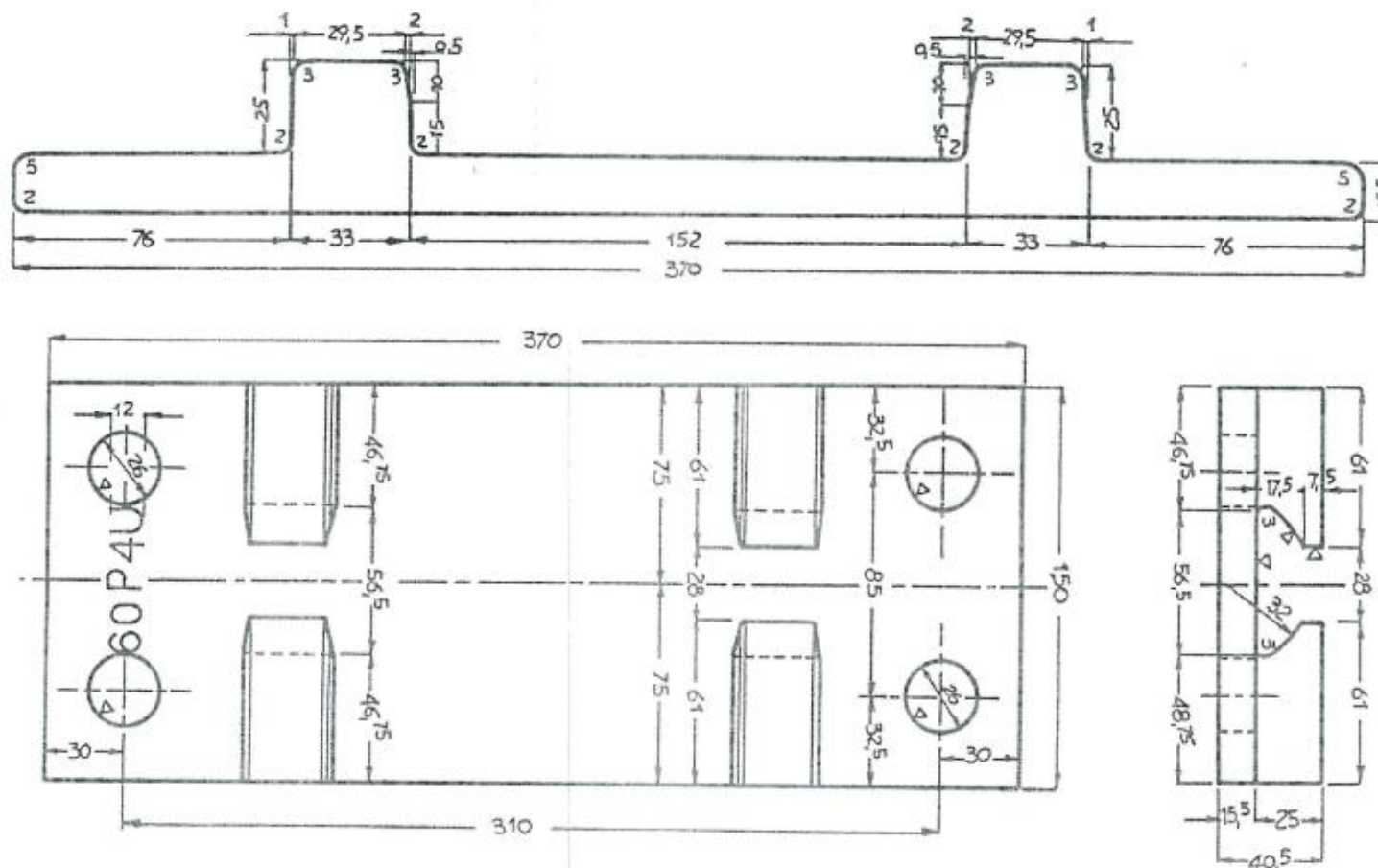
PIASTRE PER ARMAMENTO FERROVIARIO

Base Plates



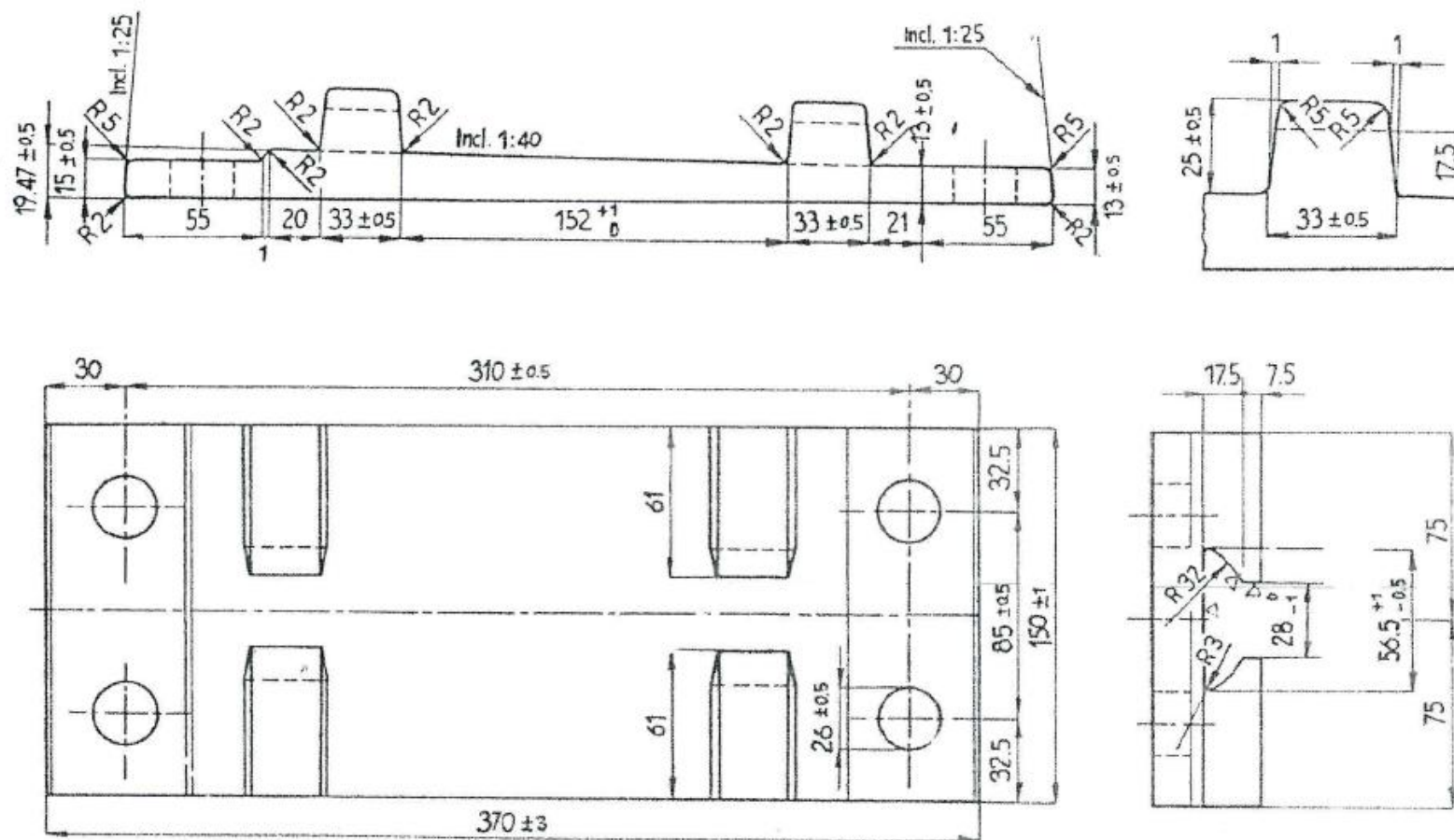
ARMAMENTO 60E1 – PIASTRA TIPO 60P.4U INCLINAZIONE 1/00

Rail profile 60E1 – Base plate type 60P.4U 1/00



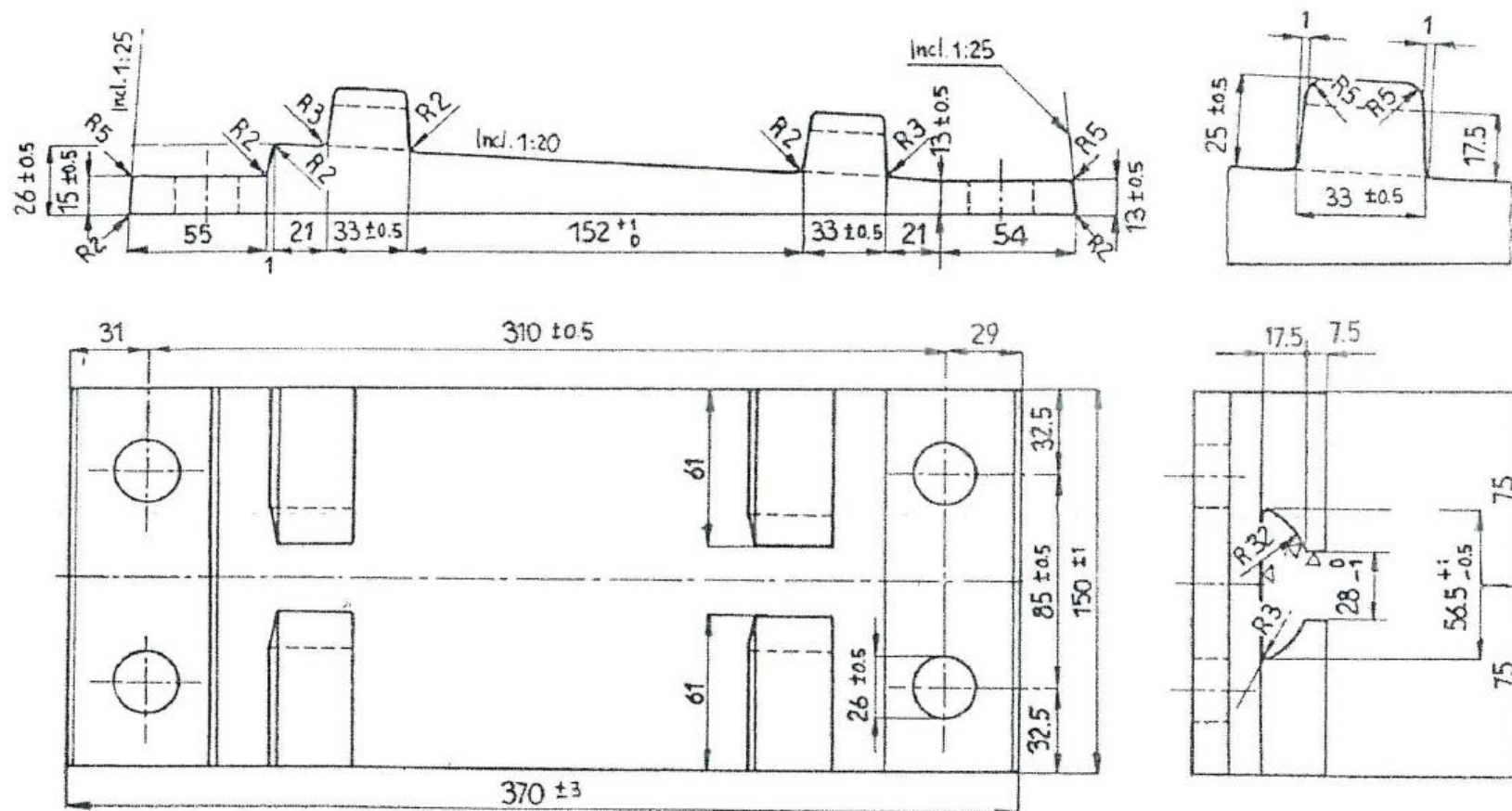
ARMAMENTO 60E1 – PIASTRA TIPO 60 UNI 3551 INCLINAZIONE 1/40

Rail profile 60E1 – Base plate type 60 UNI 3551 1/40



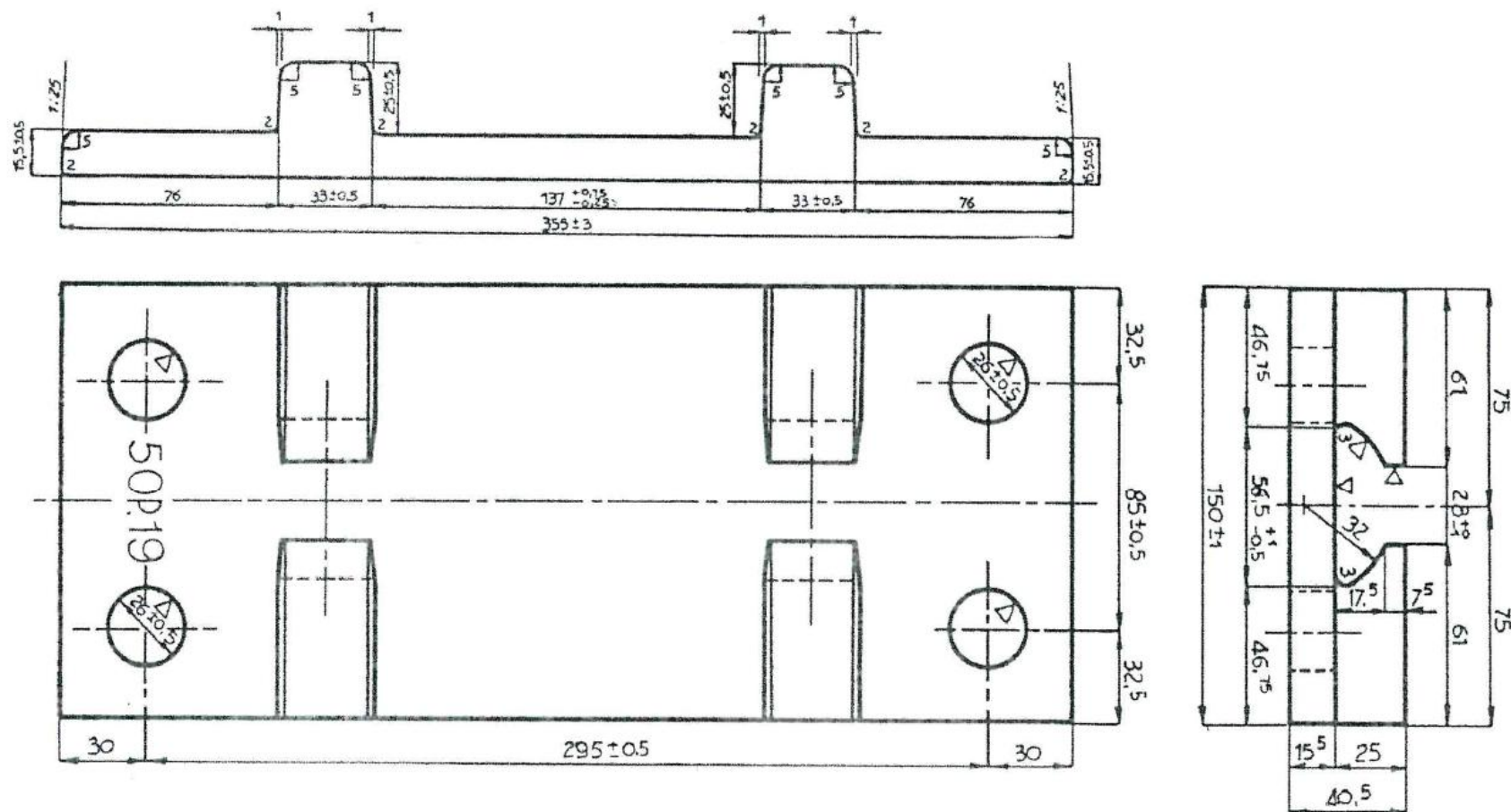
ARMAMENTO 60E1 – PIASTRA TIPO 60 UNI 3551 INCLINAZIONE 1/20

Rail 60E1 – Base plate type 60 UNI 3551 1/20



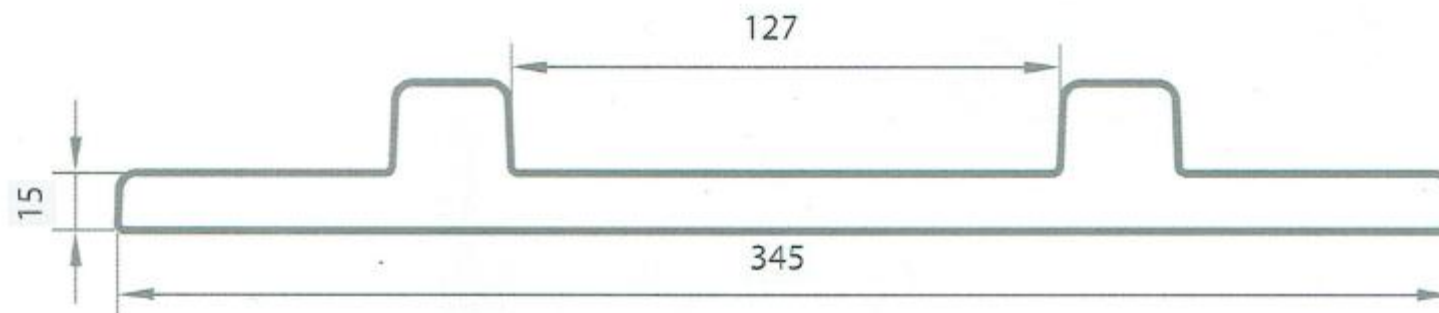
ARMAMENTO 50E5 – PIASTRA TIPO 50P.19 INCLINAZIONE 1/00

Rail 50E5 – Base plate type 50P.19 1/00



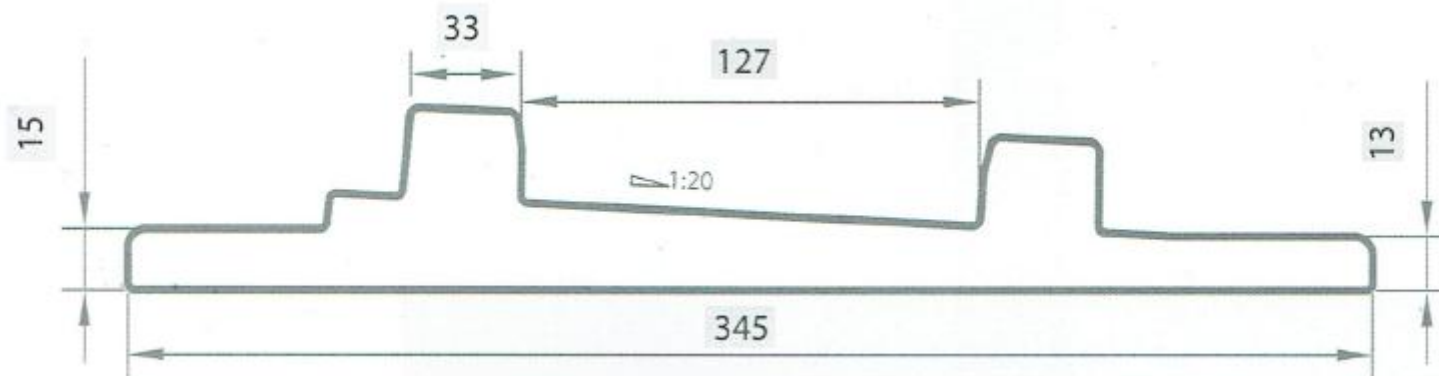
ARMAMENTO 49E1 – PIASTRA INCLINAZIONE 1/00

Rail 49E1 – Base plate 1/00



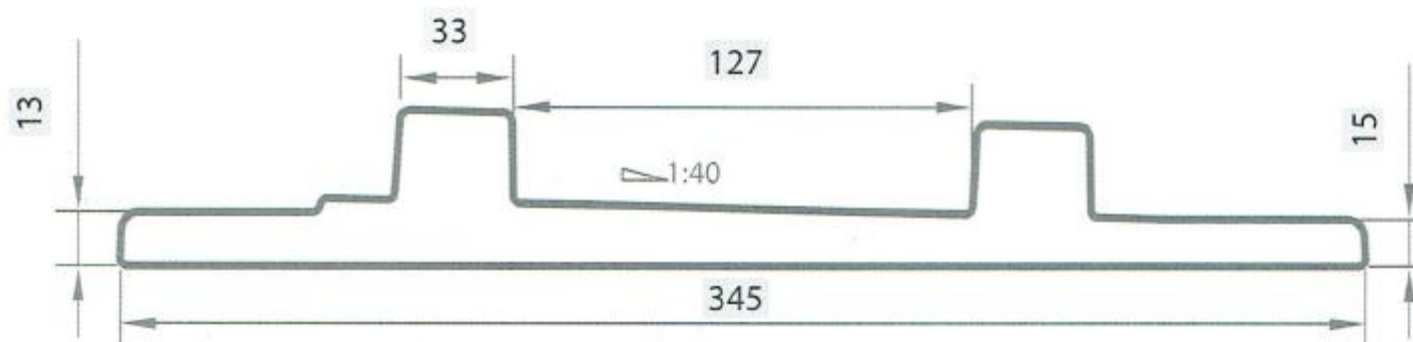
ARMAMENTO 49 E1 – PIASTRA INCLINAZIONE 1/20

Rail 49 E1 – Base plate 1/20



ARMAMENTO 49E1 – PIASTRA INCLINAZIONE 1/40

Rail 49E1 – Base plate 1/40



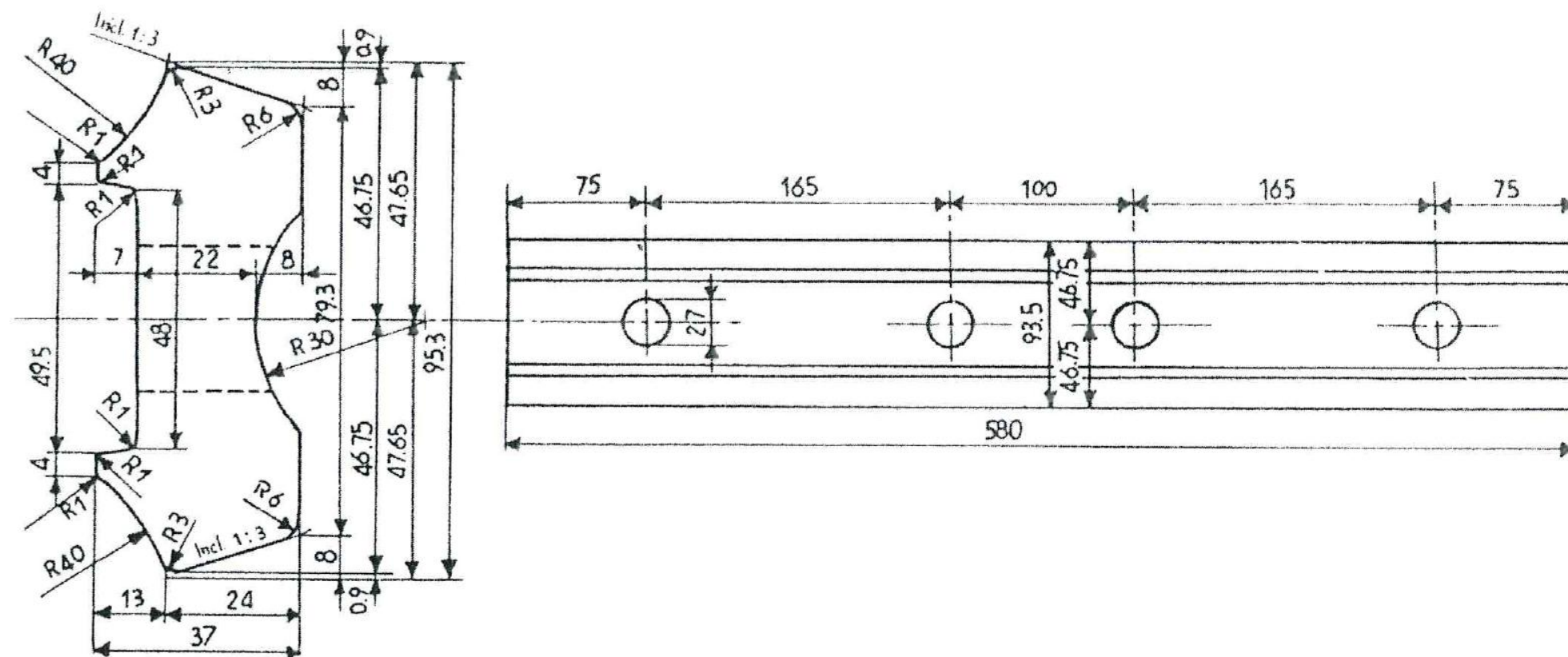
GANASCE PER ARMAMENTO FERROVIARIO

Fishplates



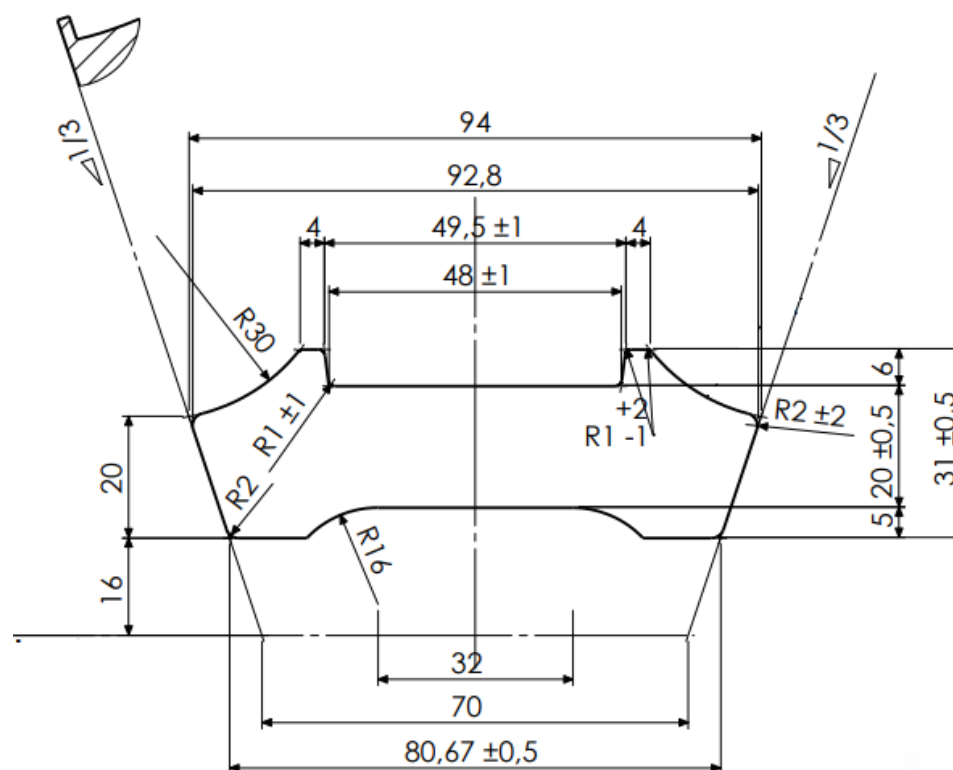
ARMAMENTO 50E5 – GANASCIA UNI 3555-66 PER ROTAIA 50 E5

Rail 50E5 – Fishplate UNI 3555-66



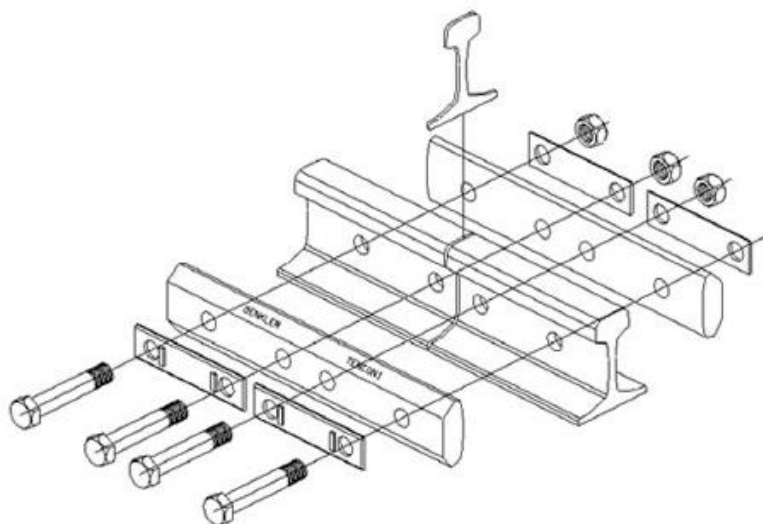
ARMAMENTO 49E1 – GANASCE PER ROTAIA 49 E1

Rail 49E1 – Fishplate



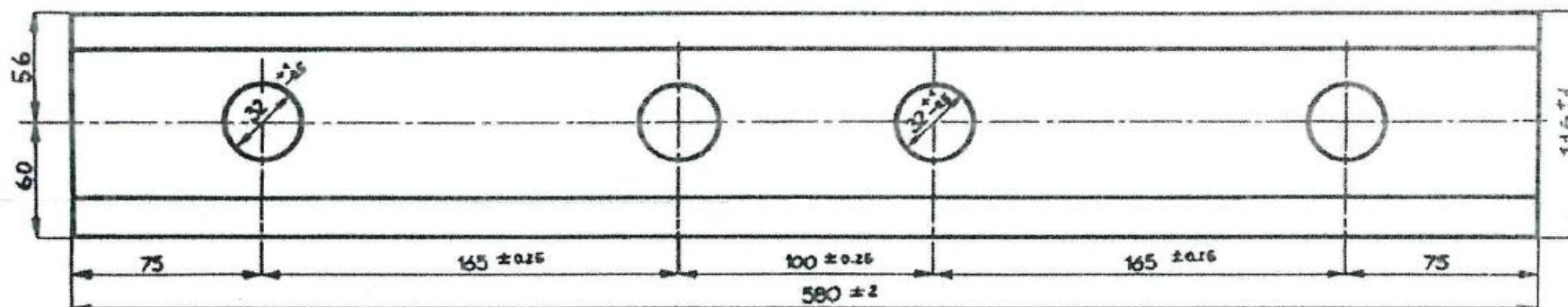
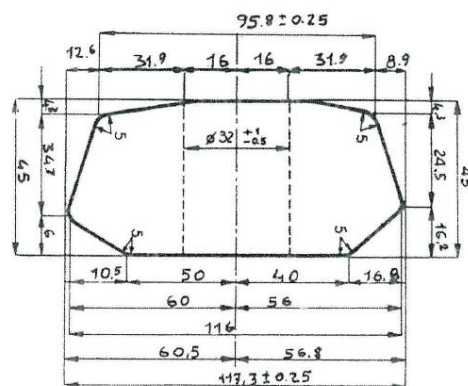
GANASCE PER LA FABBRICAZIONE DELLE GIUNZIONI ISOLATE INCOLLATE

Fishplates for glued insulated joints



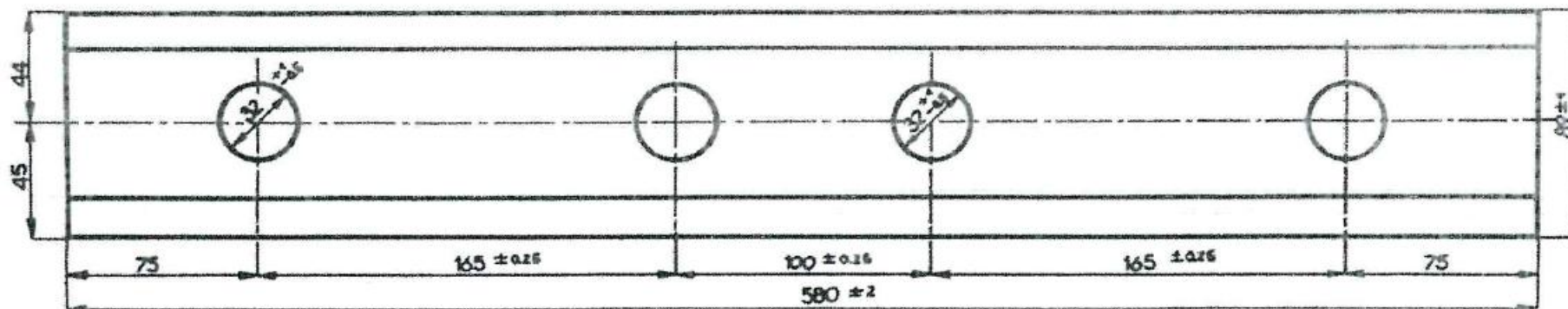
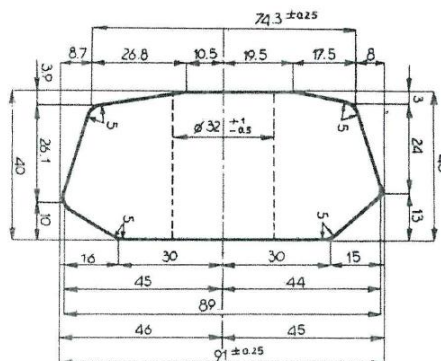
ARMAMENTO 60E1 – GANASCIA PER GIUNTI ISOLANTI INCOLLATI

Rail 60E1 – Fishplate for insulated joint



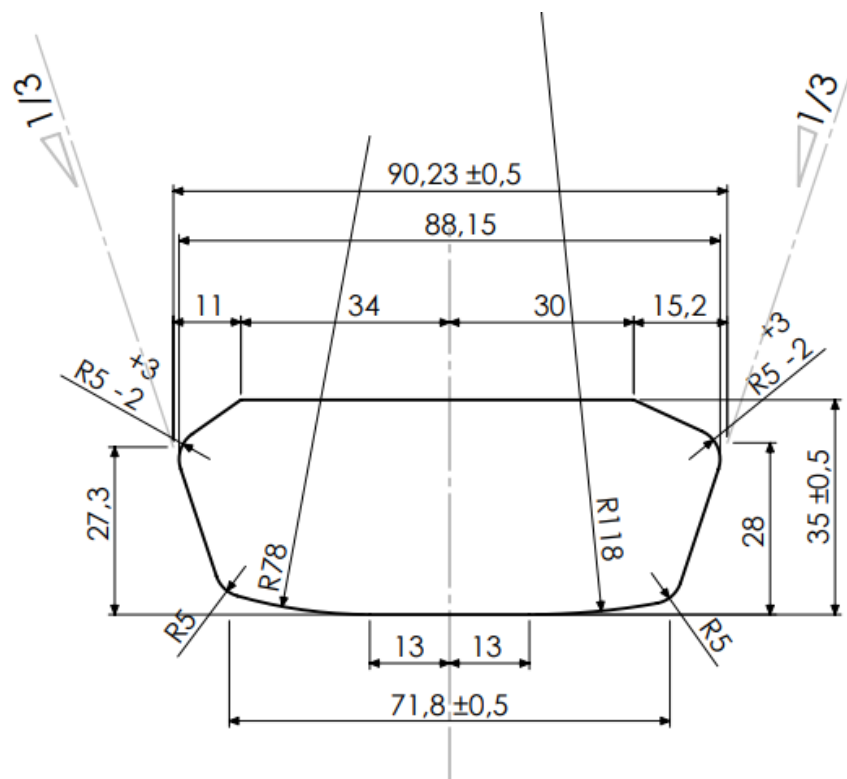
ARMAMENTO 50E5 – GANASCIA PER GIUNTI ISOLANTI INCOLLATI

Rail 50E5 – Fishplate for insulated joint



ARMAMENTO 49E1 – GANASCIA PER GIUNTI ISOLANTI INCOLLATI

Rail 49E1 – Fishplate for insulated joint

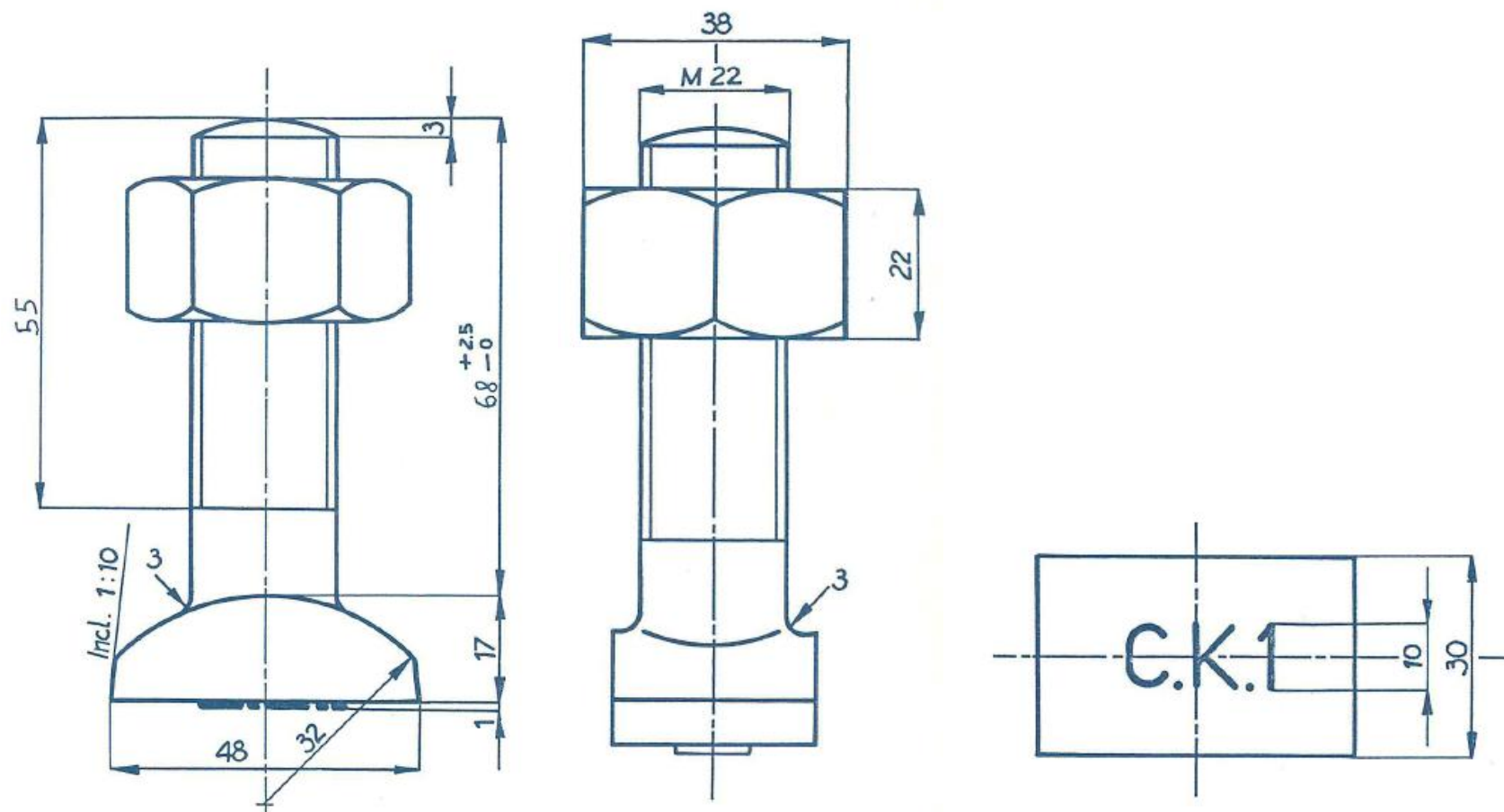


CHIAVARDE PER ARMAMENTO FERROVIARIO Railway Bolts



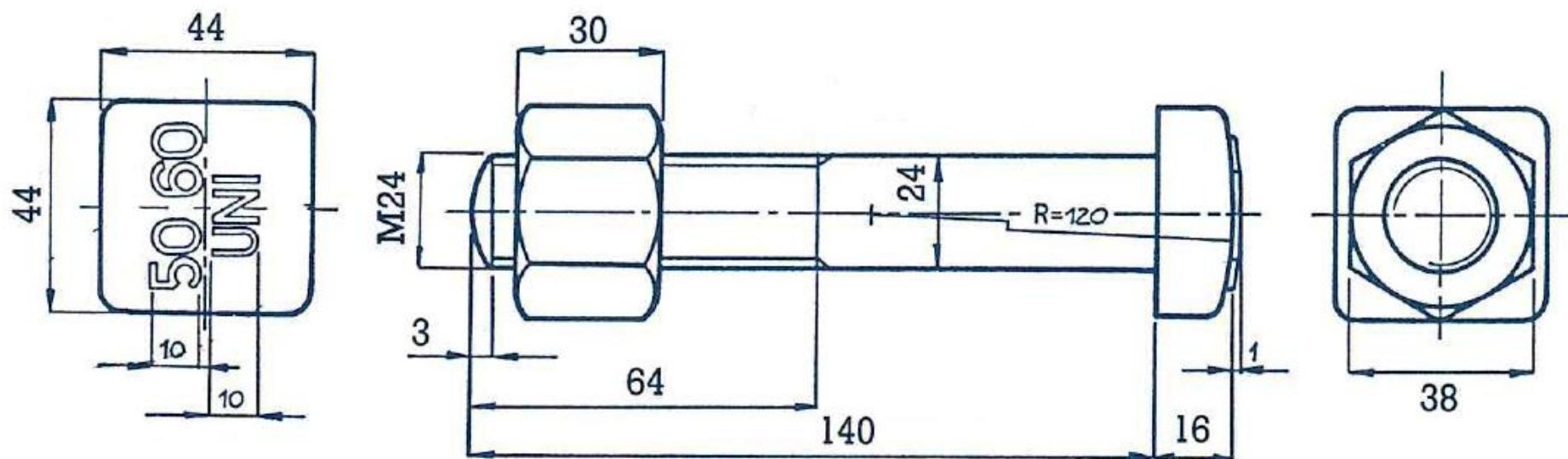
CHIAVARDA DI ANCORAGGIO TIPO CK1 PER ARMAMENTO 60E1 & 50E5

Anchoring Bolt type CK1 - railprofile 60E1 & 50E5



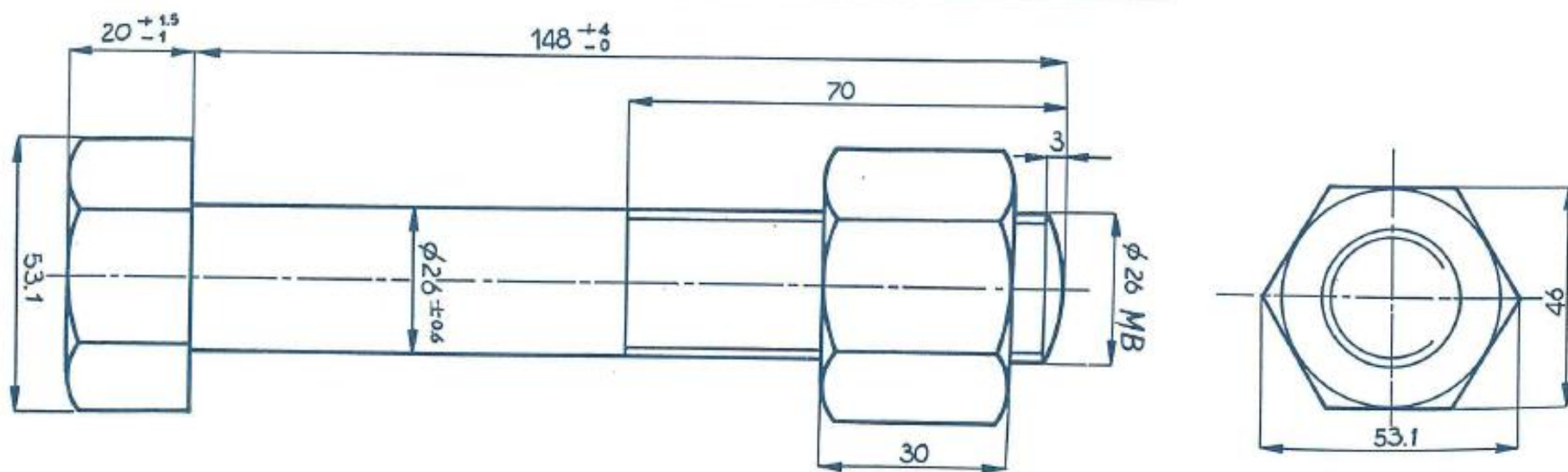
CHIAVARDA DI GIUNZIONE PER ARMAMENTO 60E1 & 50E5

Fishbolt for railprofile 60E1 & 50E5



CHIAVARDA PER GIUNTI ISOLANTI TIPO C.960 – ARMAMENTO 50E5 & 60E1

Bolt for insulated joint rails type C.960 – rail profile 60E1 & 50E5





CAVIGLIE PER ARMAMENTO FERROVIARIO

Railway sleeper screws





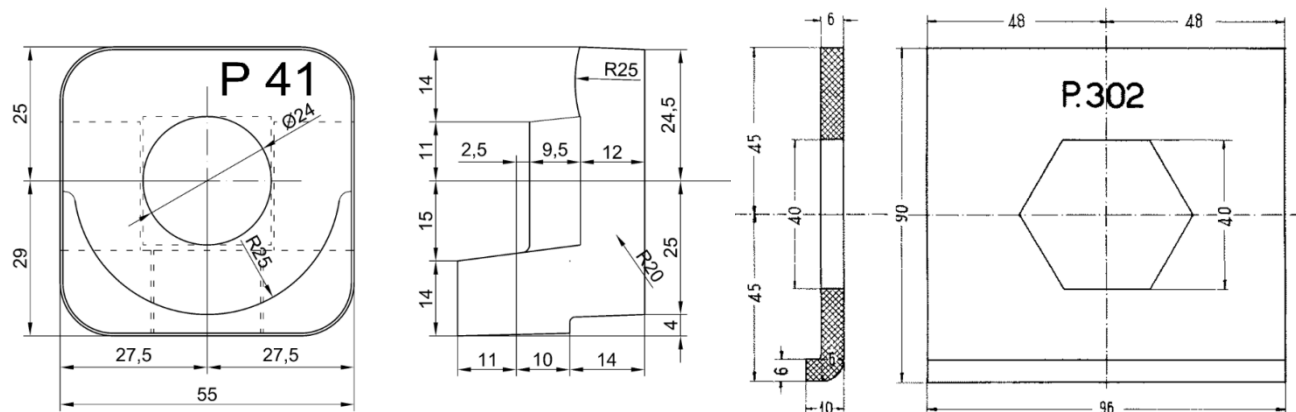
PIASTRINE PER ARMAMENTO FERROVIARIO

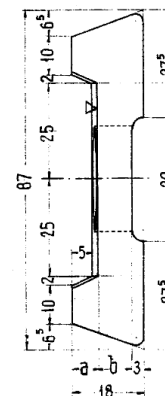
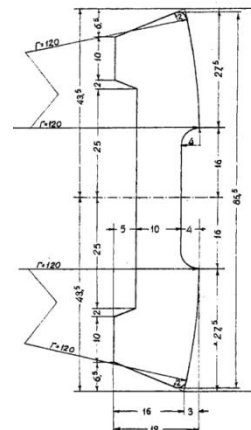
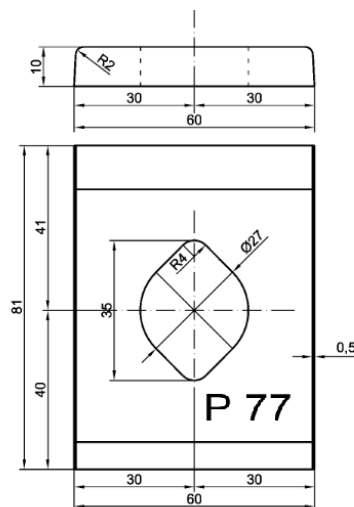
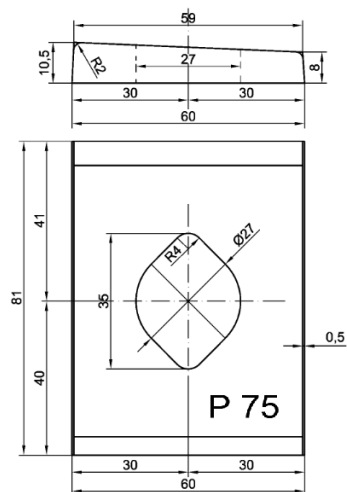
Various railway clips



PIASTRINE DI SERRAGGIO ARMAMENTO 50E5 – 60E1

Clips for rail profile type 50E5 & 60E1





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