

# Riqualificazione Piscina – Comune di Frascati 1/8

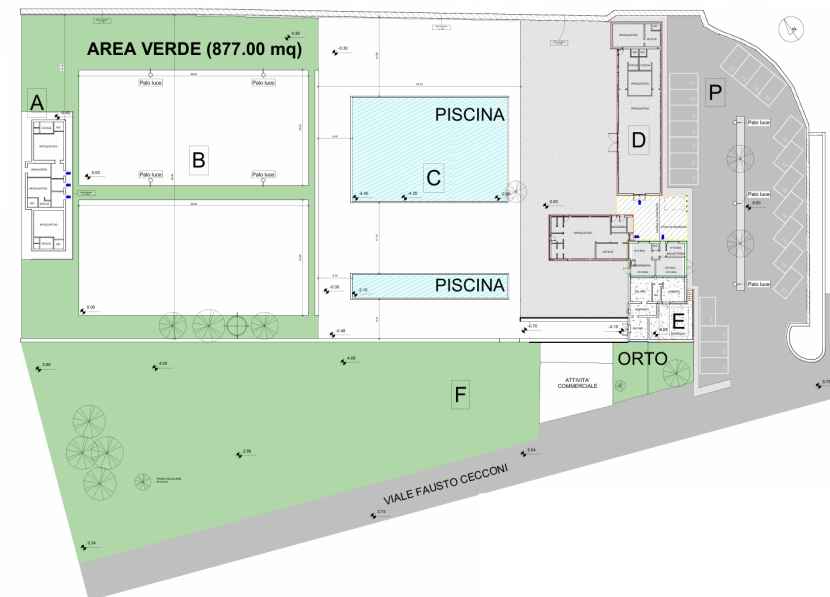


VISTA PLANIMETRICA - ANTE OPERAM



FOTO D'EPOCA

L'impianto natatorio di Frascati, situato vicino alla **Villa Torlonia**, è un'importante struttura sportiva immersa nel verde. Progettato nel **1954** dall'architetto **Antonio Nervi**, inizialmente denominato **"Piscina Scoperta Tipo"**, presentava due vasche disposte diversamente rispetto alla configurazione attuale. La piscina, realizzata negli anni '60 in occasione delle **Olimpiadi di Roma 1960**, ha avuto un intenso utilizzo fino alla chiusura nel **1980**, a seguito di danni strutturali causati da uno sciame sismico. Le due vasche misuravano rispettivamente **25 x 16,50 m** (profondità 1,70-3,30 m) e **25 x 4 m** (profondità 1 m).



VISTA PLANIMETRICA POST OPERAM

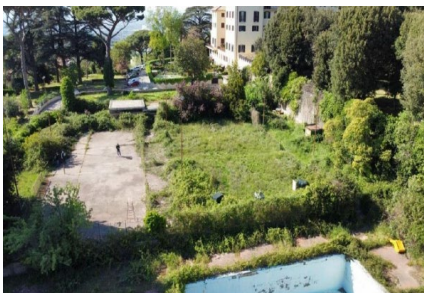


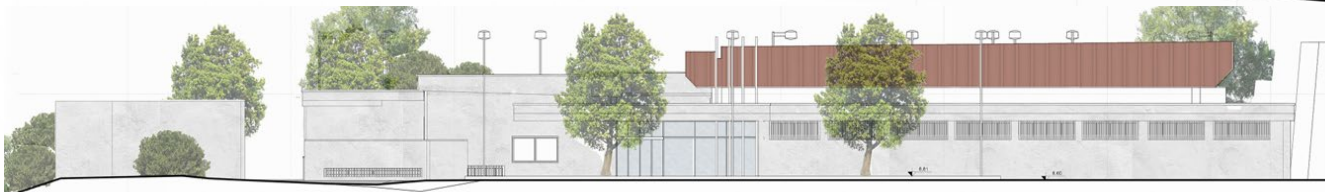
FOTO STATO DEI LUOGHI



PROSPETTO SUD-OVEST su via F.Cecconi - POST OPERAM



PROSPETTO NORD-OVEST - POST OPERAM



POST OPERAM - PROSPETTO SUD-EST



INGRESSO PRINCIPALE – ANTE OPERAM

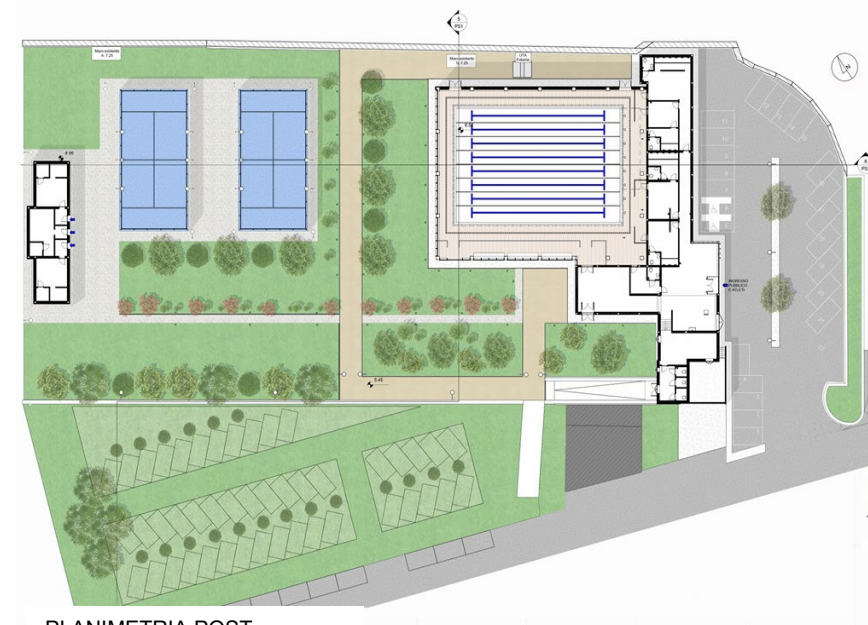


INGRESSO PRINCIPALE – POST OPERAM



CERTIFIED  
ISO 9001

OPERAM

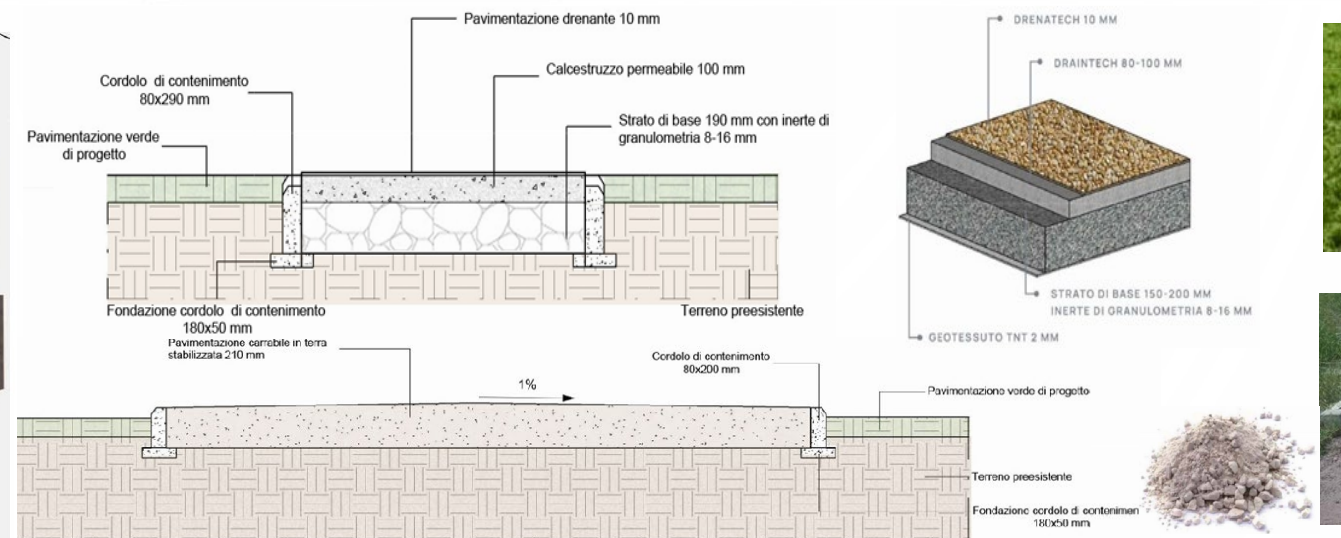
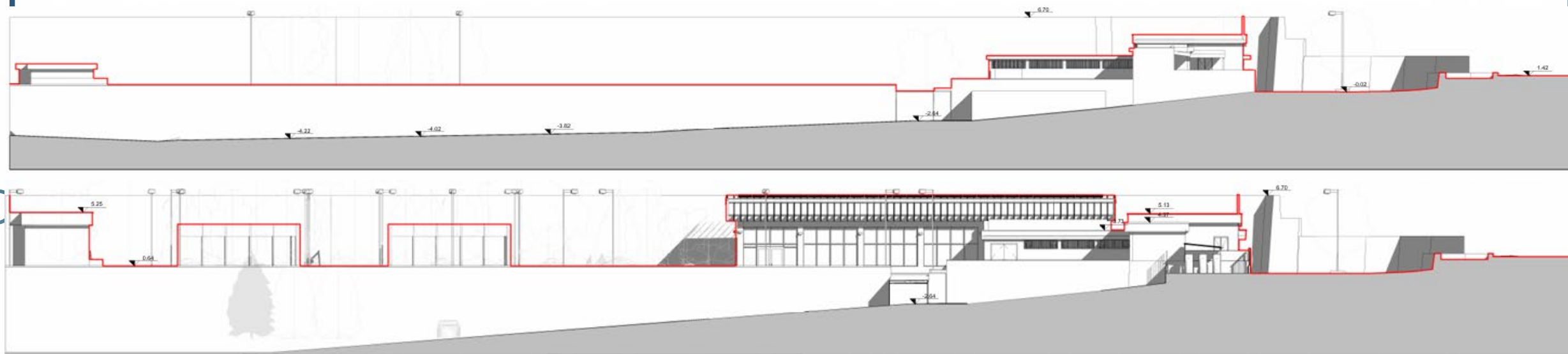


PLANIMETRIA POST OPERAM



VISTA DELL'AREA – POST OPERAM

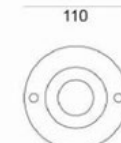
# Riqualificazione Piscina – Comune di Frascati 2/8



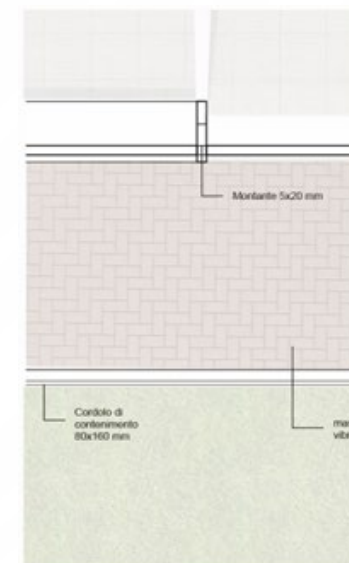
Ecostabilizer PanNeto, scheda tecnica ST-ARCH-02



Finitura superficiale Inox Graphite

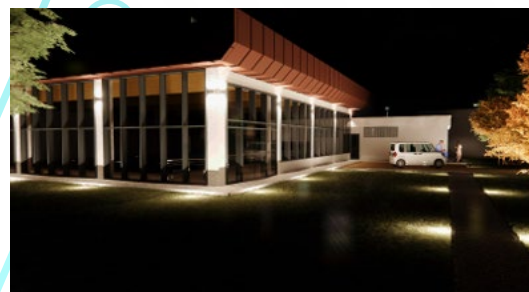


Finitura verniciata RAL 9004 Opaco



COLORI

- Grigio
- Cotto
- Nocciola
- Mix Color
- Antracite



CERTIFIED  
ISO 9001



# Riqualificazione Piscina – Comune di Frascati 3/8

Traverse Schuco PWS50 200x50 mm

Pannelli di vetro

Raccordo di chiusura in alluminio

Morsetto in alluminio per fissaggio corpi esterni

Guarnizione antirisalita

Profilo antirisalita 2 mm

Trave in legno 100x200 mm

Lattoneria di chiusura 2 mm RAL 8004

Isolante 140 mm

Lastra di investimento in alluminio

Sandfuture 675 1 mm

RAL 8004 Rosso Coppo

Calcestruzzo 30 mm

Bitume 4mm

Isolamento sottocanal 20 mm

Calcestruzzo Alligierito 250 mm

Pavimentazione verde di progetto

Cordolo di contenimento 80x250mm

Manto geomembranico 150 mm

Strato di sabbia 40 mm

Massello di calcestruzzo vibrocompattato 80 mm

Piastrine in ceramica con Allietamento 20 mm

Pignone 160 mm

Calcestruzzo armato 40 mm

ROSSO COPPO RAL 8004

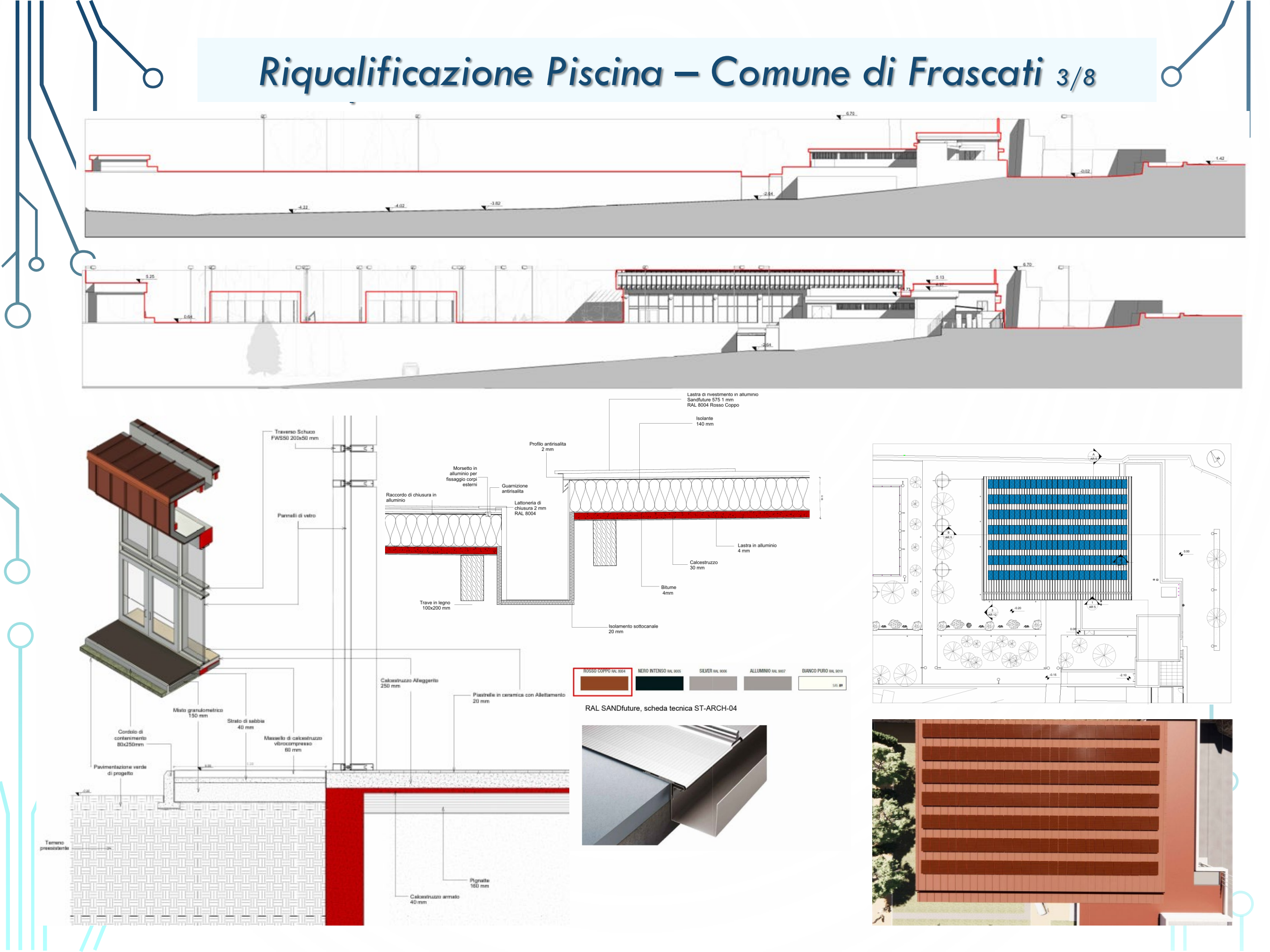
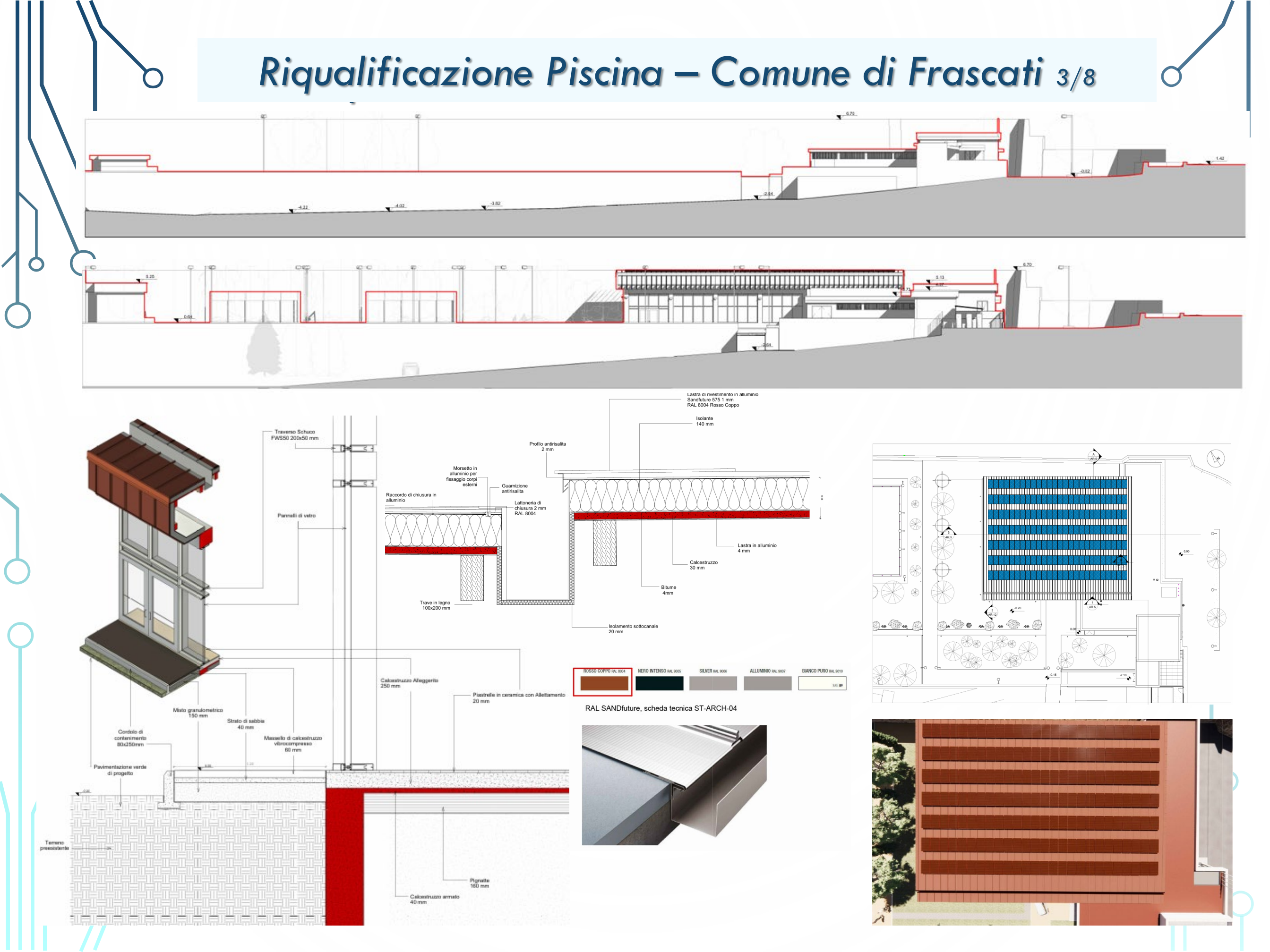
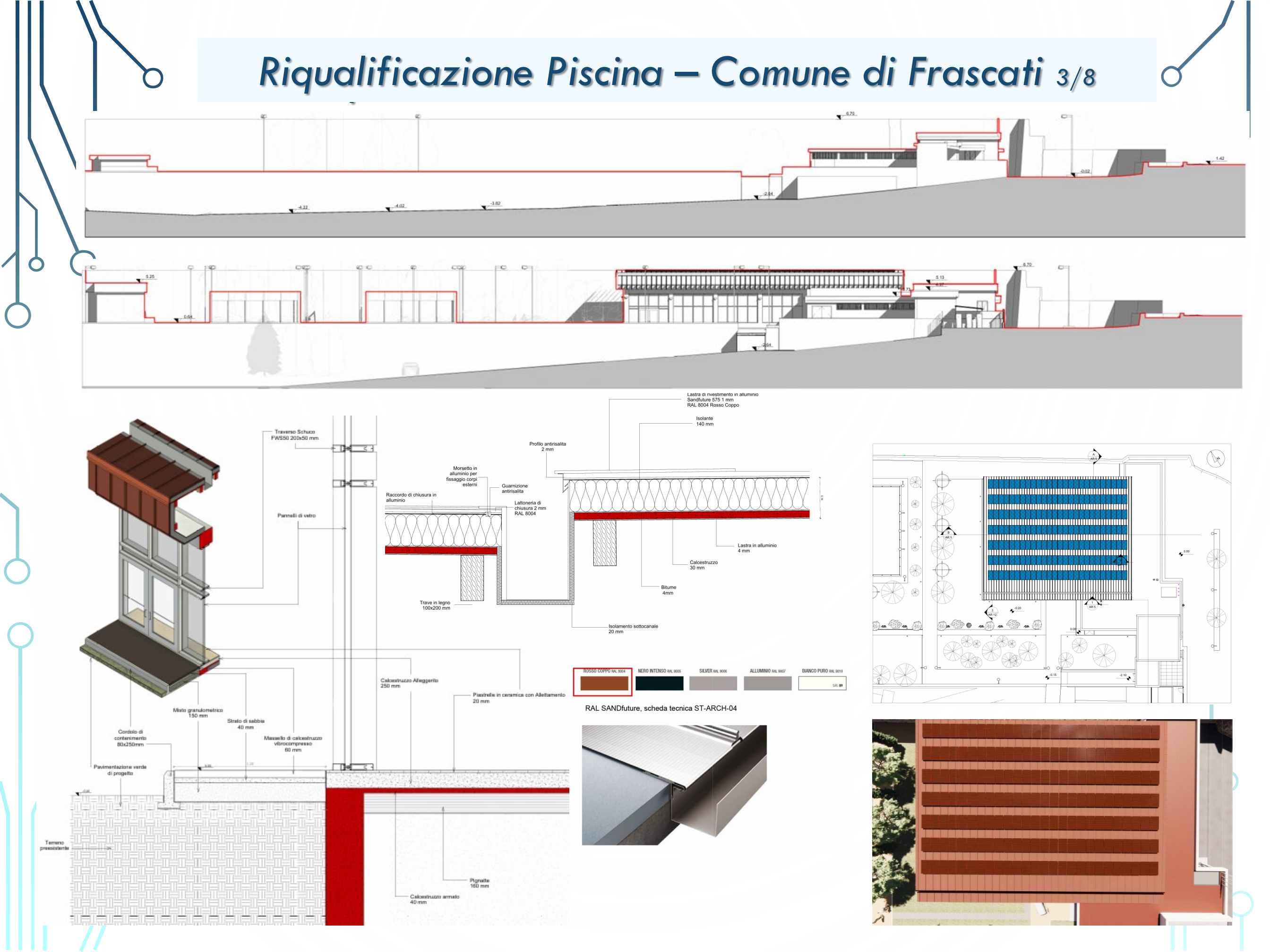
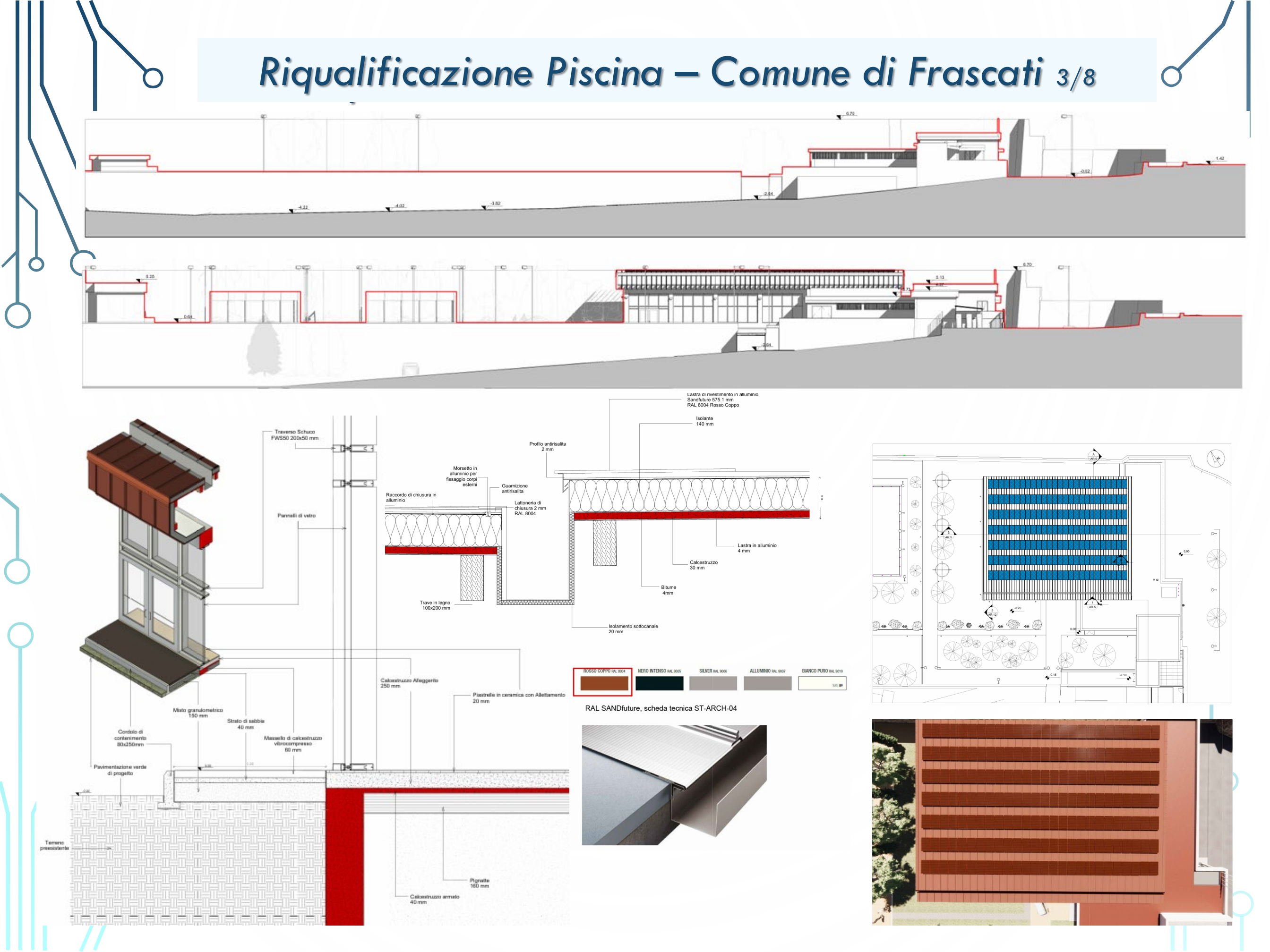
NERO INTENSO RAL 9005

SILVER RAL 9006

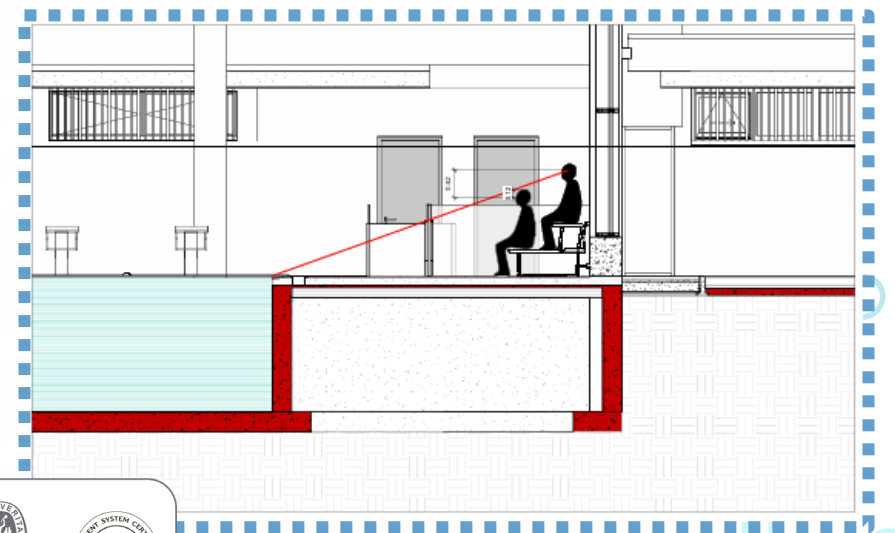
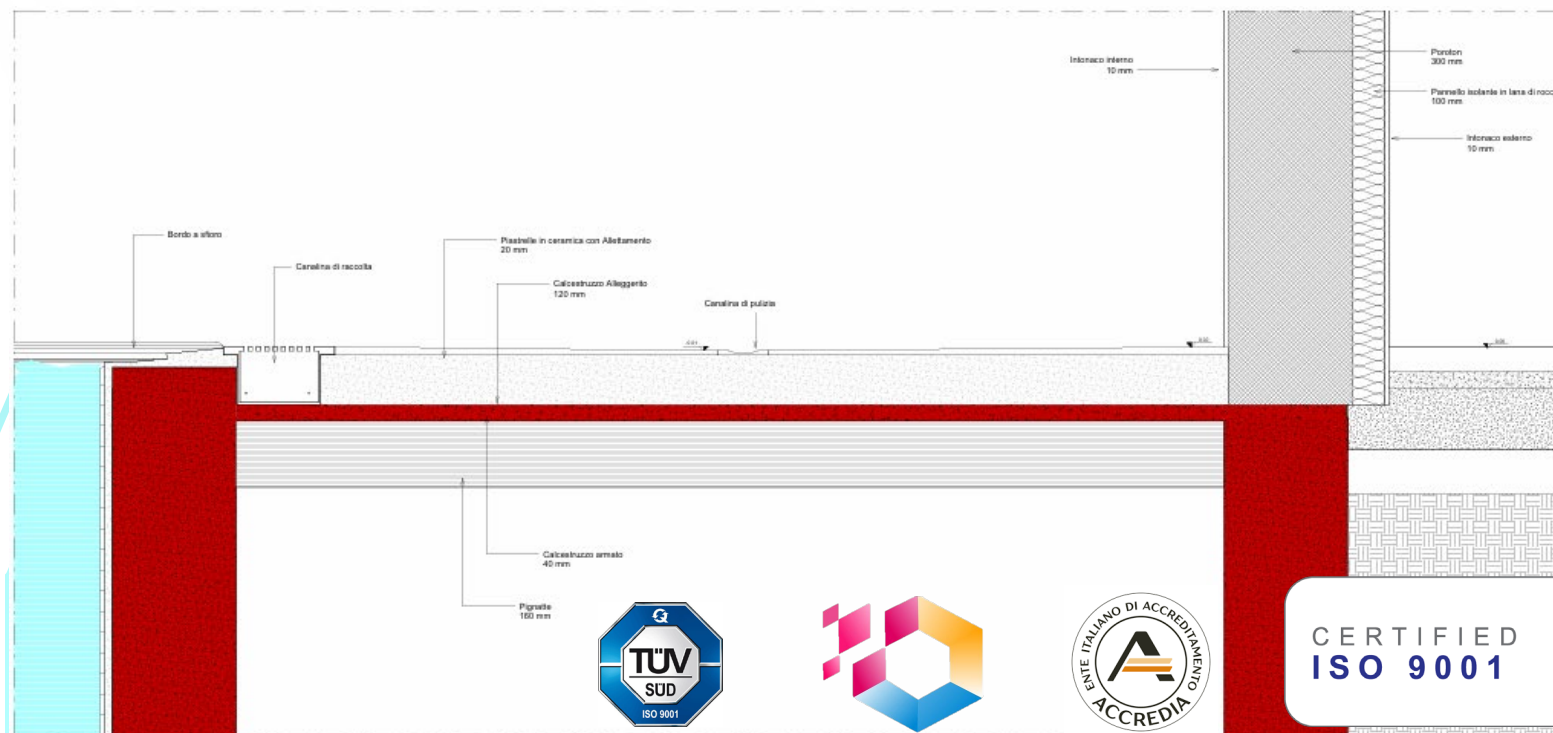
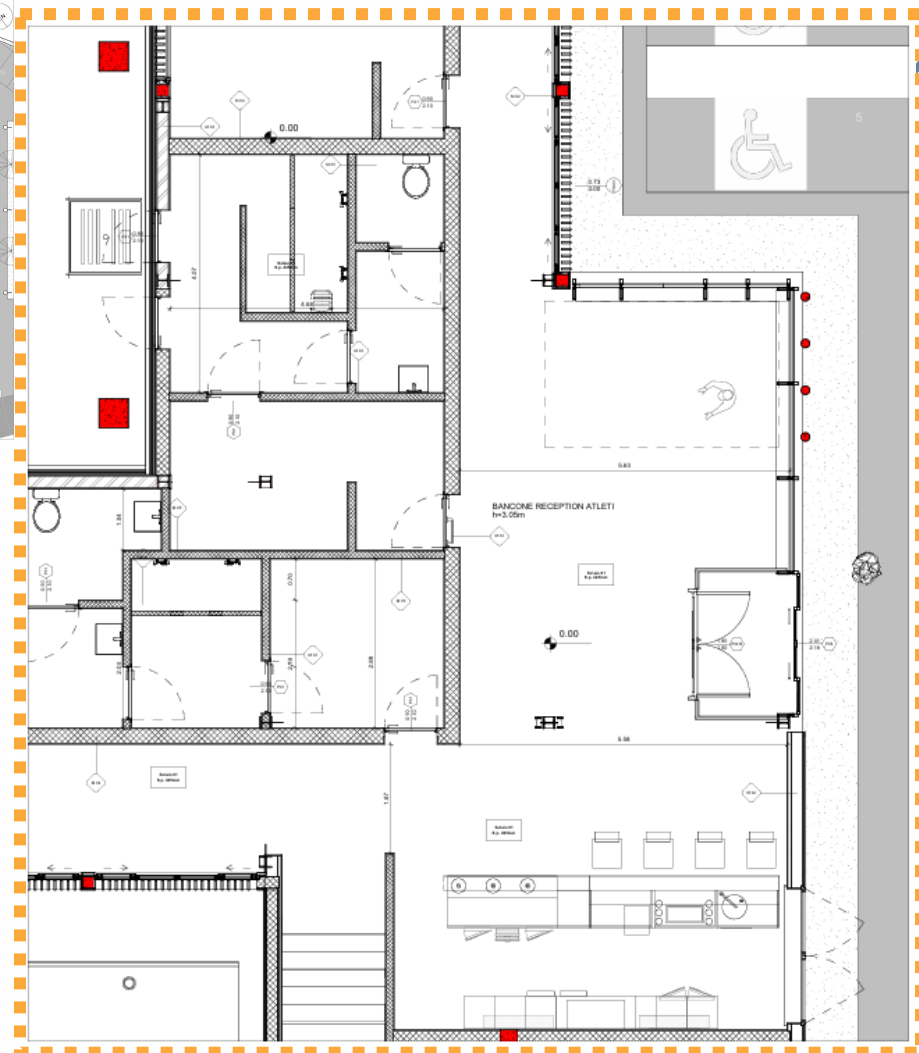
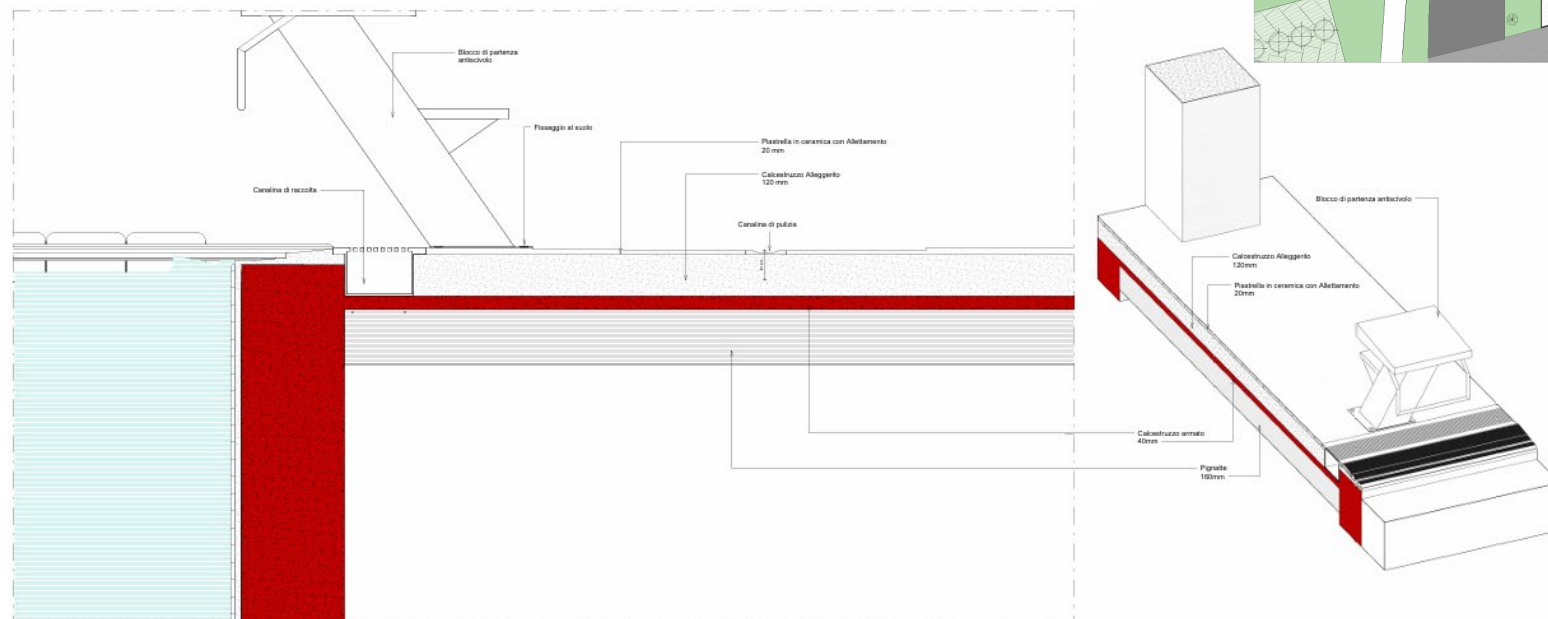
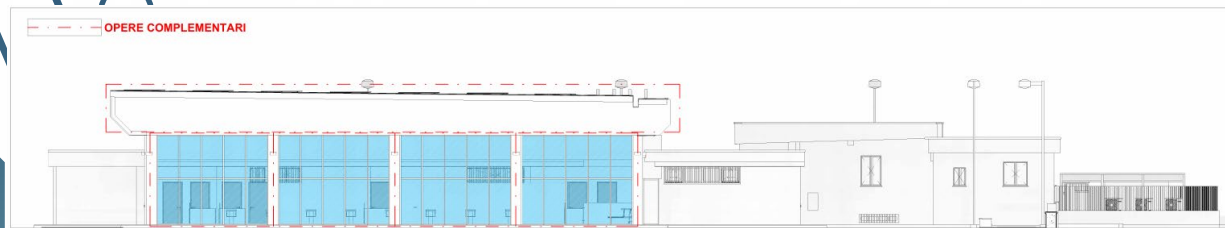
ALLUMINIO RAL 9007

BIANCO PURO RAL 9010

RAL SANDfuture, scheda tecnica ST-ARCH-04



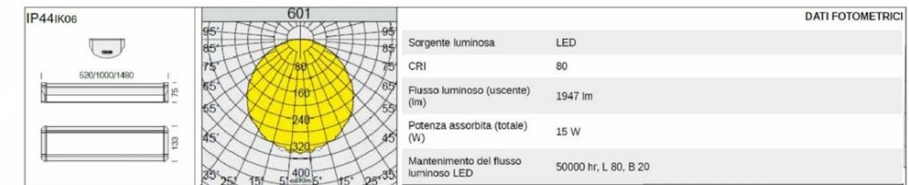
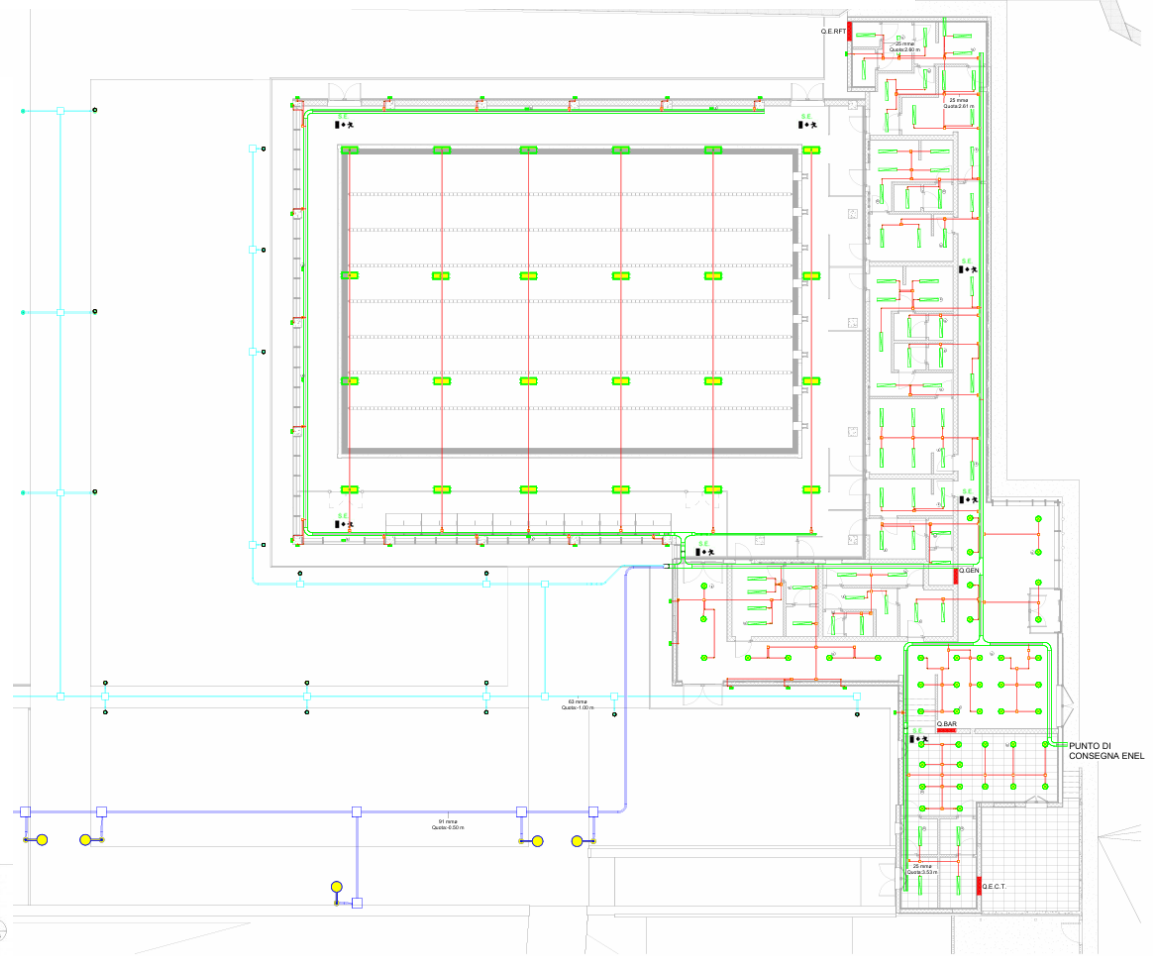
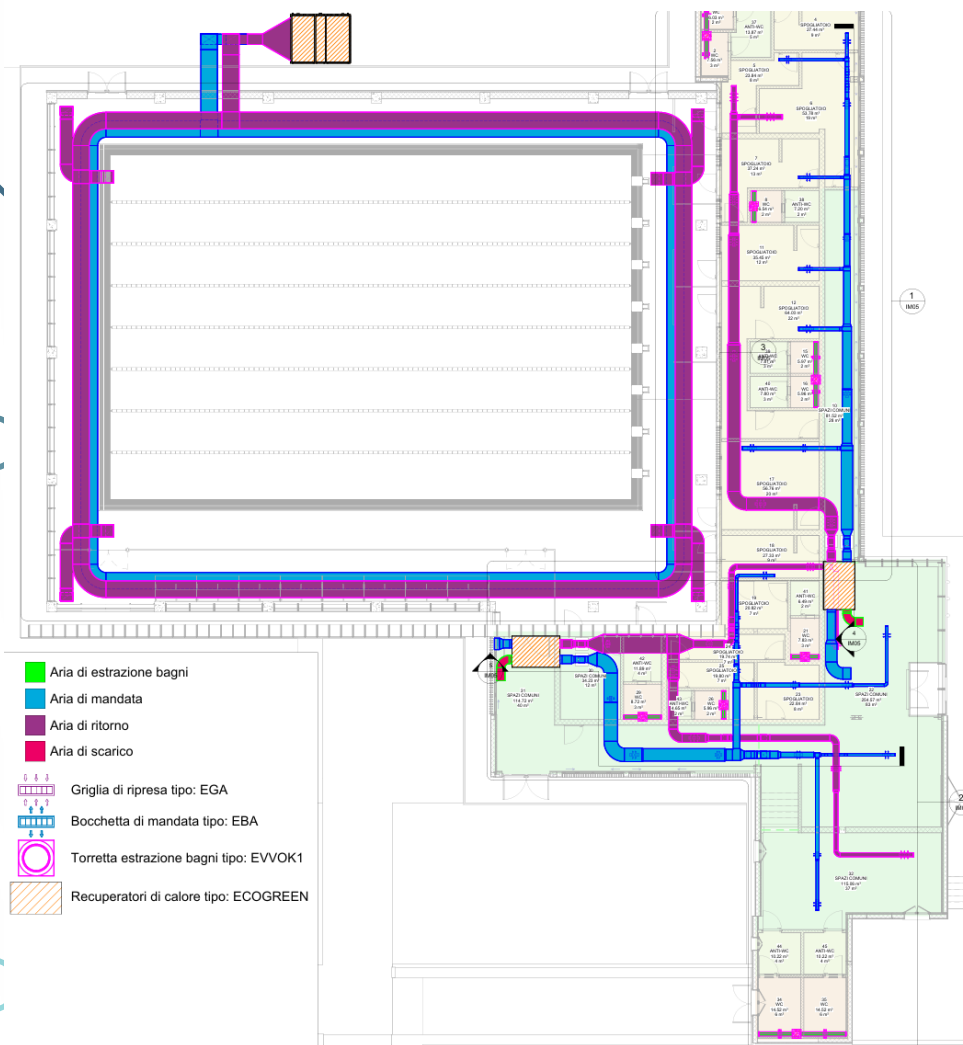
# Riqualificazione Piscina – Comune di Frascati 4/8



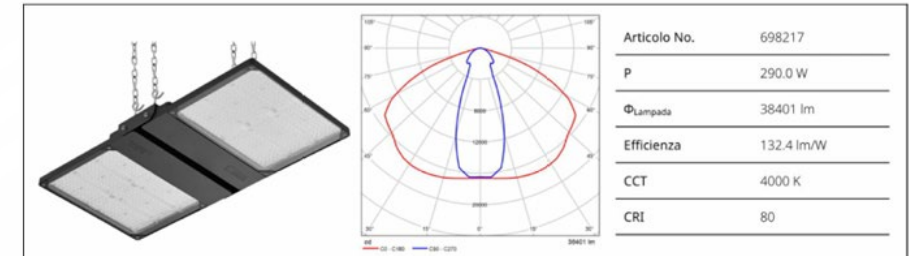
CERTIFIED  
ISO 9001



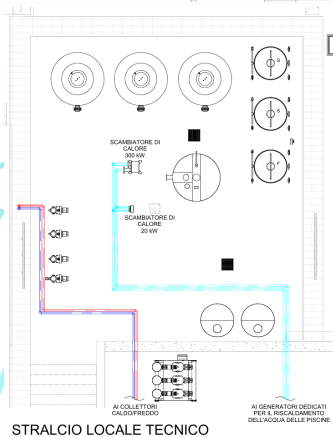
# Riqualificazione Piscina – Comune di Frascati 5/8



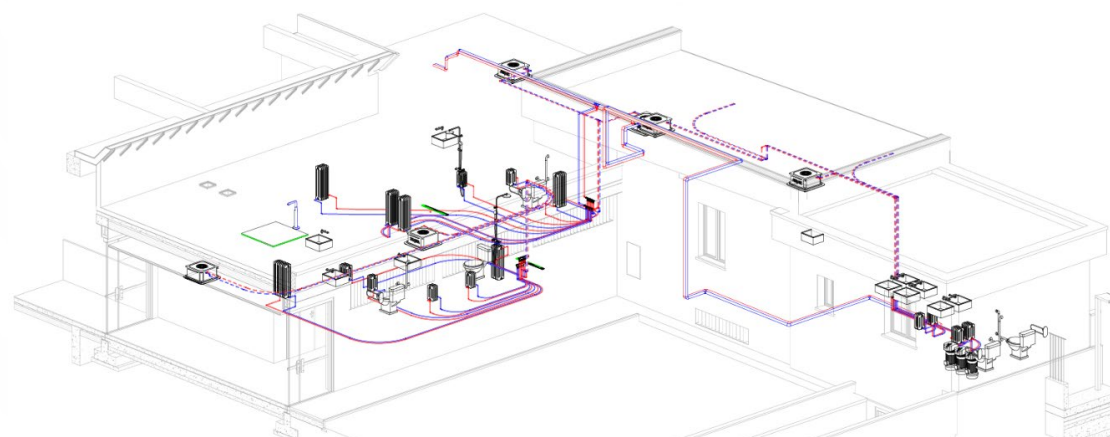
DATI TECNICI LAMPADE DISANO DISANLENS 601 LED 15W (ILL. EMERGENZA)



LATEX MINI SPECIAL



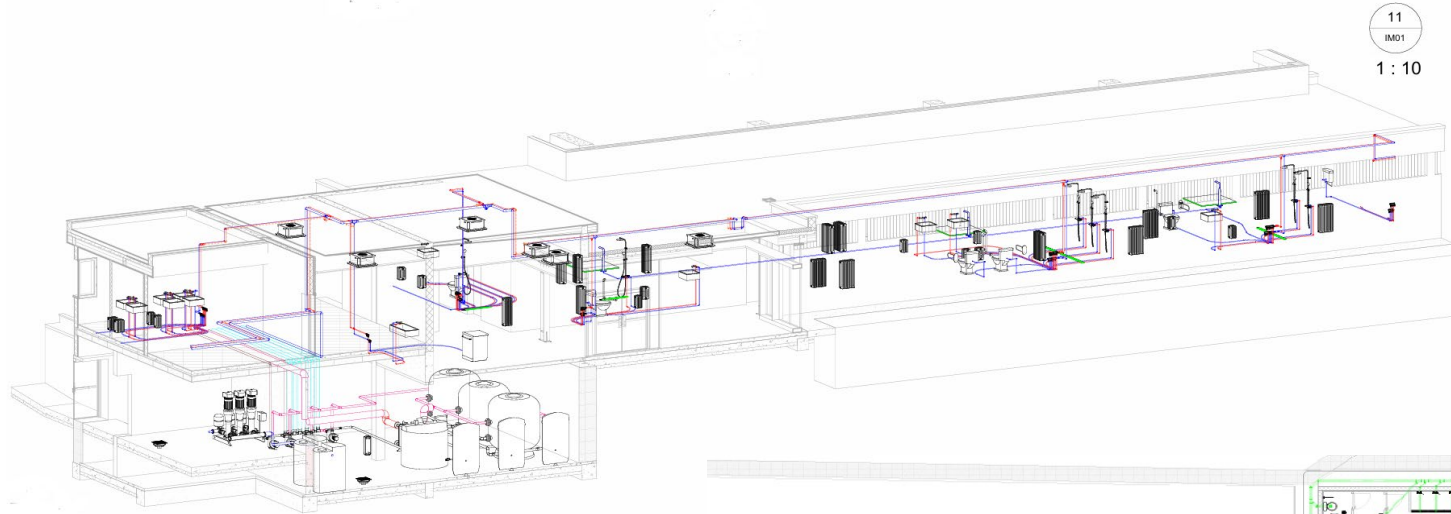
STRALCIO LOCALE TECNICO



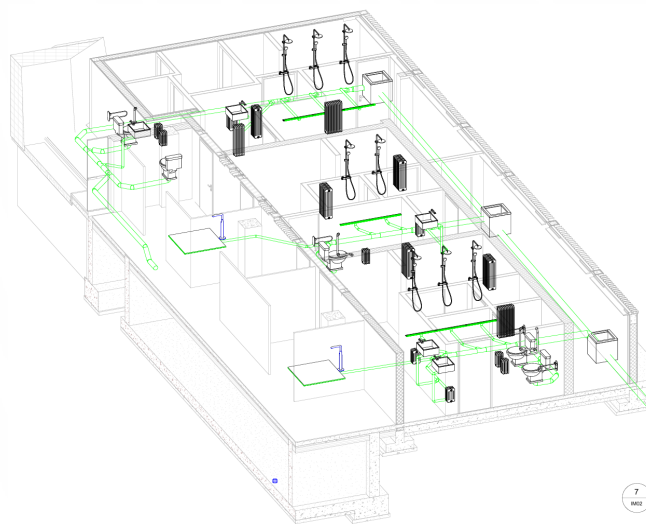
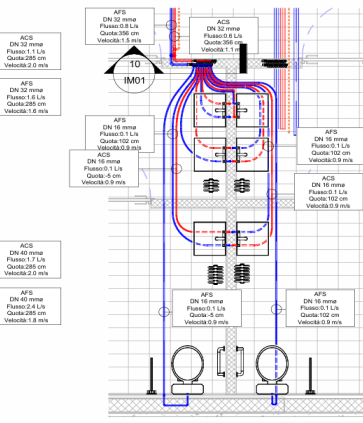
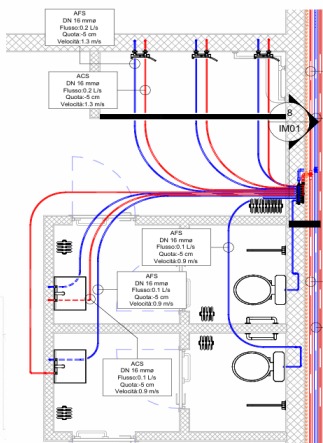
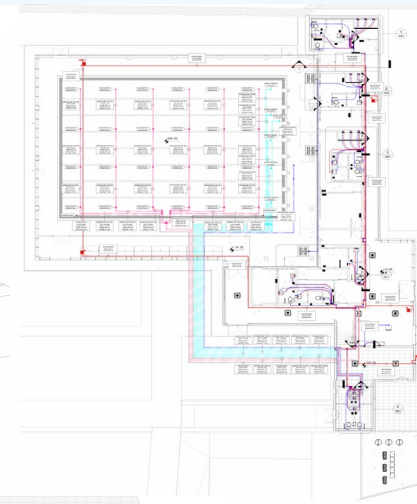
CERTIFIED  
ISO 9001



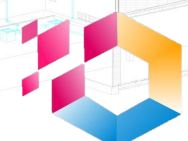
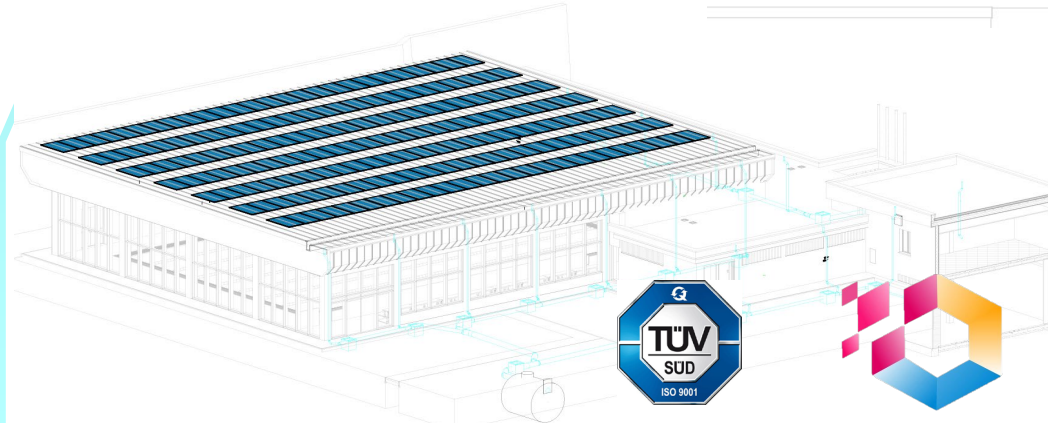
# Riqualficazione Piscina – Comune di Frascati 6/8



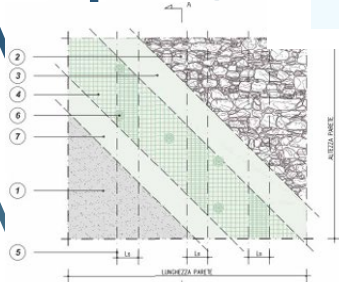
11  
IM01  
1:10



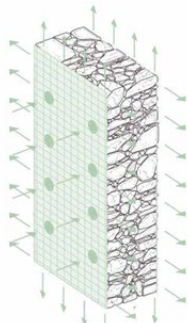
| SIMBOLO | DESCRIZIONE                                                                                            |  |                                                                           |  |                                                    |
|---------|--------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------------------------------|
|         | Cassetta per collettore ACS e AFS, tipo Caleffi 304 o similare, completo di valvole di intercettazione |  | Tubazione immersione piscina in multistrato tipo Valser PEXAL o similare  |  | Serbatoio dichiarazione 2000 lt                    |
|         | Contatore erige erogatore                                                                              |  | Tubazione aspirazione piscina in multistrato tipo Valser PEXAL o similare |  | Filtro abbattitore cloro con carboni attivi 30 mch |
|         | Bocchette                                                                                              |  | Tubazione aspirafango piscina in multistrato tipo Valser PEXAL o similare |  | Impianto di sollevamento acque di scarico          |
|         | Tubazione AFS in multistrato tipo Valser PEXAL o similare                                              |  | Tubazione a vista della rete idrica antiscintillio in acciaio             |  | Scambiatore di calore 300 kW                       |
|         | Tubazione ACS in multistrato tipo Valser PEXAL o similare                                              |  | Pompa piscina                                                             |  | Valvola                                            |
|         | Tubazione ACR in multistrato tipo Valser PEXAL o similare                                              |  | Filtro bobinato in poliestere e fibra di vetro, 70.25 mch Ø 160 cm        |  | Serbatoio di accumulo da 2000 L                    |



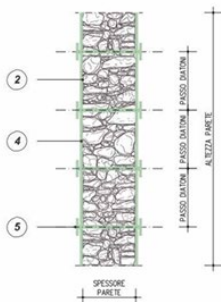
# Riqualificazione Piscina – Comune di Frascati 7/8



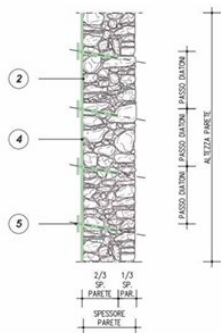
PROSPETTO  
RINFORZO A FLESSIONE E TAGLIO DEL MASCHIO  
MURARIO TRAMITE GEOSTEEL GRID 200/400 O  
RINFORZO ARV100



ASSONOMETRIA  
RETE GEOSTEEL GRID 200/400 O  
RINFORZO ARV 100



SEZIONE A-A'  
RINFORZO A FLESSIONE E TAGLIO DEL MASCHIO  
MURARIO TRAMITE GEOSTEEL GRID 200/400 O  
RINFORZO ARV100



SEZIONE A-A'  
RINFORZO A FLESSIONE E TAGLIO DEL MASCHIO  
MURARIO TRAMITE GEOSTEEL GRID 200/400 O  
RINFORZO ARV100 SU UN SOLO LATO DEL PARAMENTO

## L'INTERVENTO DI RINFORZO

2 - PULIZIA DELLA SUPERFICIE DEL MASCHIO MURARIO, EVENTUALE APPLICAZIONE DI FISSATIVO CONSOLIDANTE CORTICALE TIPO **BIOCALCE® / SILICATO CONSOLIDANTE O RASOUILD® / ECO CONSOLIDANTE** EVENTUALE RICOSTRUZIONE DELLA CONTINUITÀ MATERICA ED EVENTUALE REGOLARIZZAZIONE DELLA SUPERFICIE CON GEOMALTA® /

3 - STESURA SUL SUPPORTO DI UNO SPESSORE MEDIO DI 3-5 mm DI **GEOCALCE® / F ANTISISMICO** PER APPLICARE ED INGLOBARE LA RETE DI RINFORZO

4 - INSTALLAZIONE RETE **GEOSTEEL GRID 200/400** O RETE **ARV 100**

5 - APPLICAZIONE DELLA RETE CON UNA LUNGHEZZA DI SOVRAPPOSIZIONE  $L_s$  TALE DA GARANTIRE IL CORRETTO FUNZIONAMENTO DEL RINFORZO

6 - INSERIMENTO DI DIATONI A FIOCCO **GEOSTEEL G600/G1200** INGHISATI CON MALTA COLABILE **GEOCALCE® / FL ANTISISMICO**

7 - RASATURA FINALE PROTETTIVA CON **GEOCALCE® / F ANTISISMICO** (SPESSORE 2-5 mm). PER INGLOBARE IL RINFORZO E CHIUDERE EVENTUALI VUOTI È NECESSARIO GARANTIRE LA CONTEMPORANEA MATURAZIONE DELLO STRATO INIZIALE E DI QUELLO FINALE CHE VA QUINDI APPLICATO QUANDO IL PRECEDENTE È ANCORA UMIDO

## PLACCAGGIO CON FRP

| Placcaggio con FRP per flessione |              |       |   |   |         |    |      |      |  |
|----------------------------------|--------------|-------|---|---|---------|----|------|------|--|
| Id.                              | Mat          | L     | A | D | Anc     | Di | Dr   |      |  |
| PlacFRP 1                        | Rinforzo FRP | 0,100 | 1 | 1 | refrino | SI | 0,00 | 0,00 |  |
| PlacFRP 2                        | Rinforzo FRP | 0,100 | 1 | 1 | refrino | SI | 0,00 | 0,00 |  |

Id.: Identificativo intervento

Mat: Materiale

L: Spessore (mm)

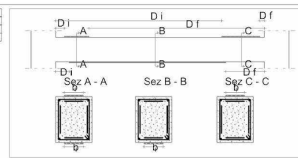
A: Numero strati/lamine

D: Dimensione foro

Anc: Anzitutto spaziale

Di: Distanza tra fori (m)

Dr: Distanza tra fori (m)



## CERCHIATURA FRP

| Cerchiatura FRP |              |       |   |   |         |    |      |      |  |
|-----------------|--------------|-------|---|---|---------|----|------|------|--|
| Id.             | Mat          | L     | A | D | Anc     | Di | Dr   |      |  |
| CchFRP 1        | Rinforzo FRP | 0,100 | 1 | 1 | refrino | SI | 0,00 | 0,00 |  |

Id.: Identificativo intervento

Mat: Materiale

L: Spessore (mm)

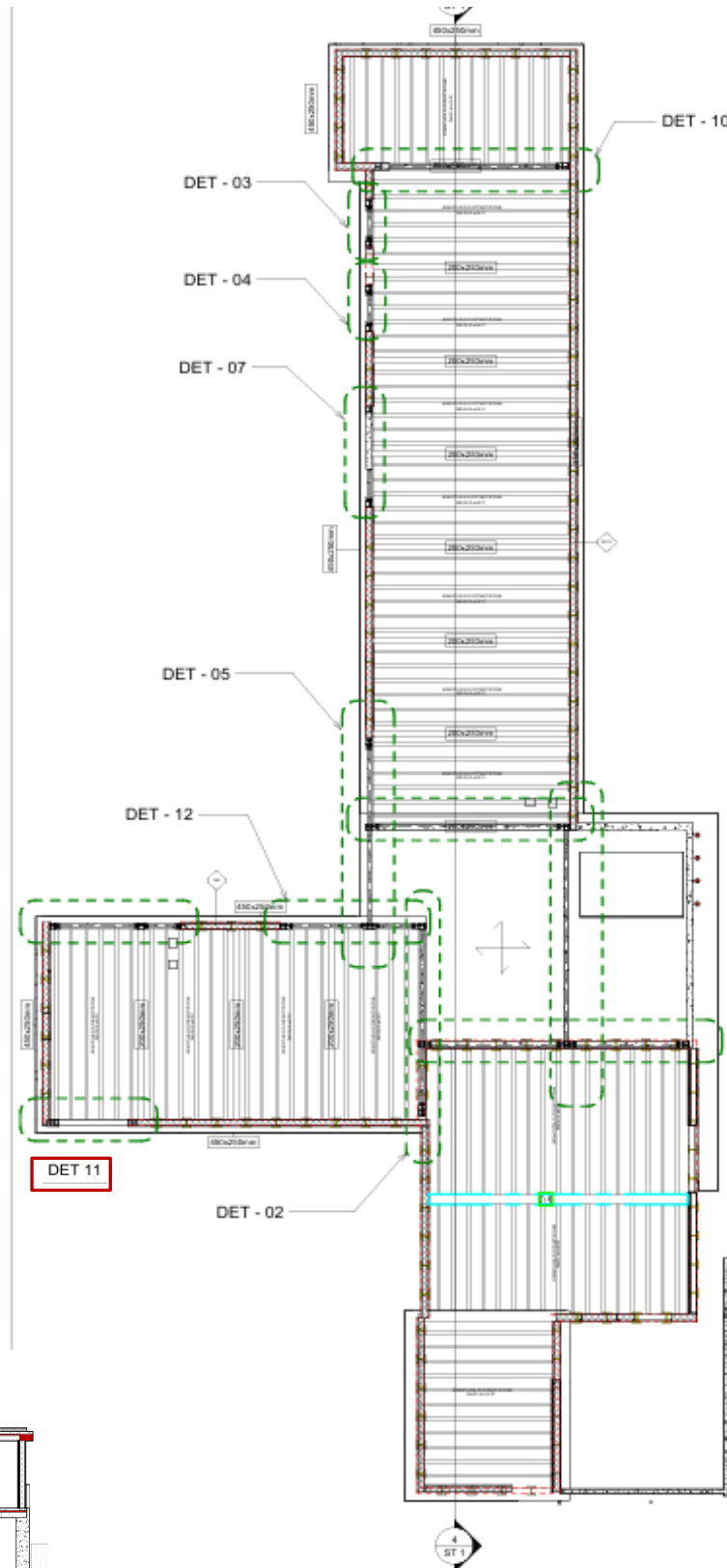
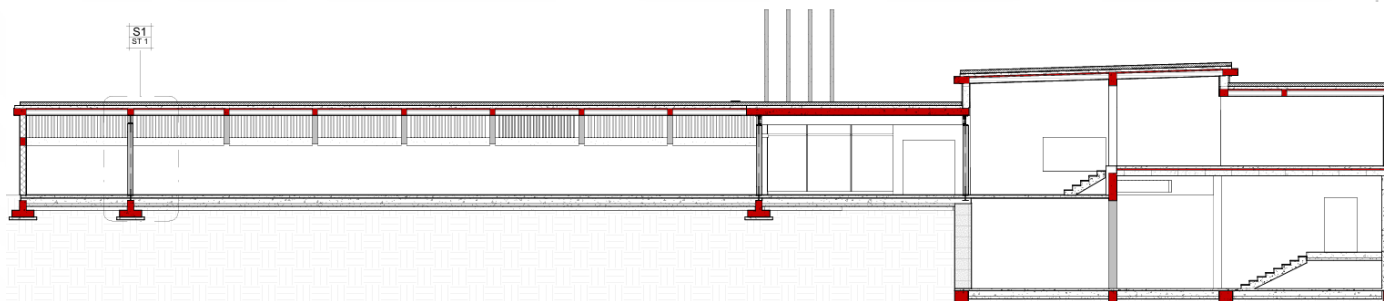
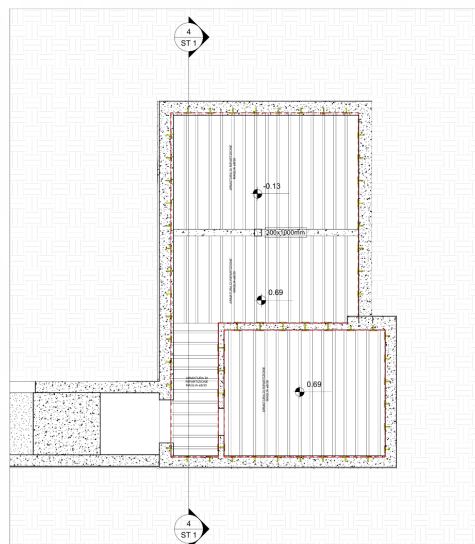
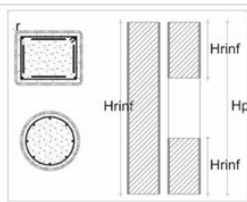
A: Numero strati/lamine

D: Dimensione foro

Anc: Anzitutto spaziale

Di: Distanza tra fori (m)

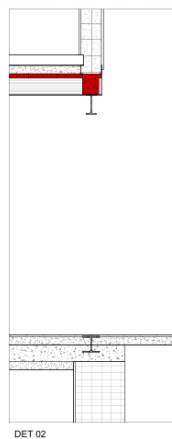
Dr: Distanza tra fori (m)



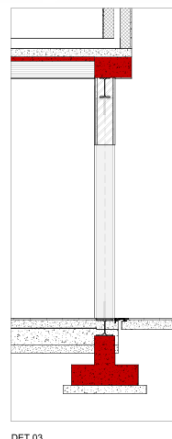
# Riqualificazione Piscina – Comune di Frascati 8/8



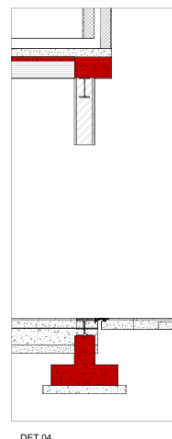
DET 01



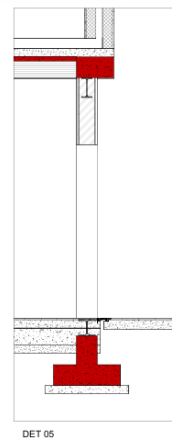
DET 02



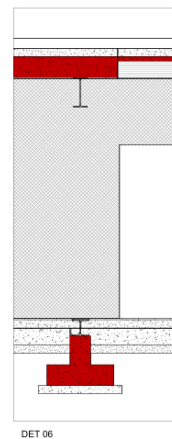
DET 03



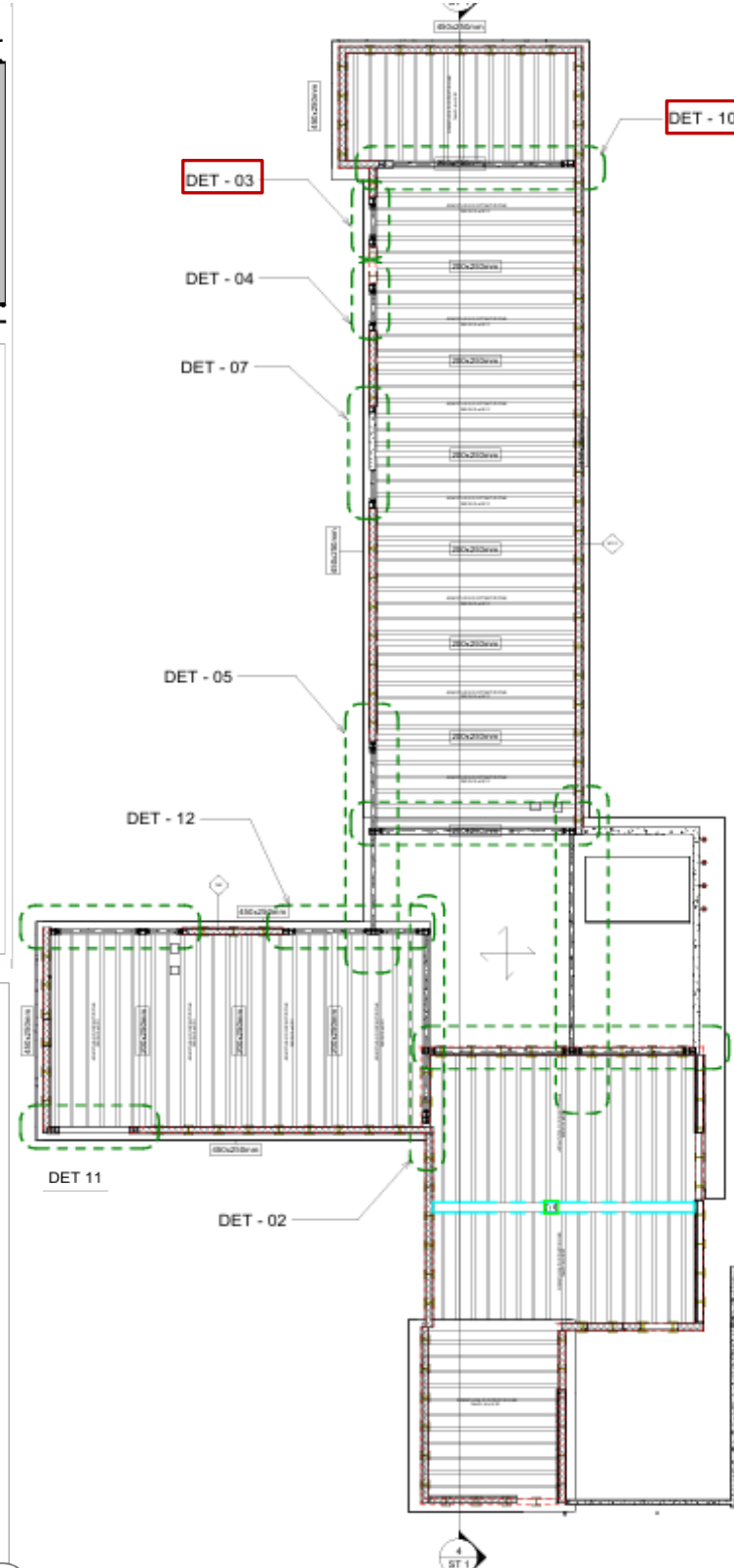
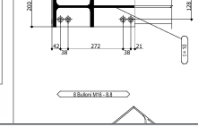
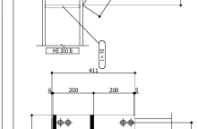
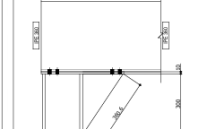
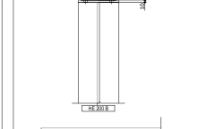
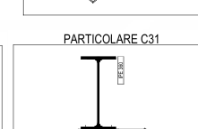
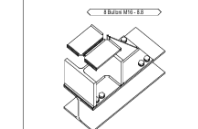
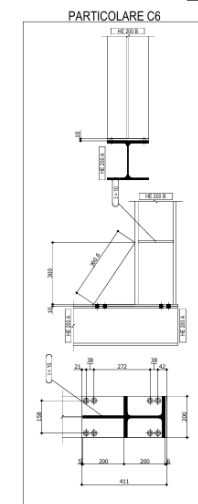
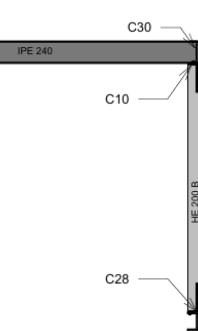
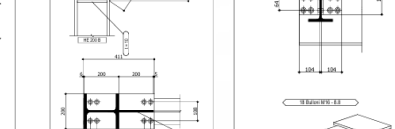
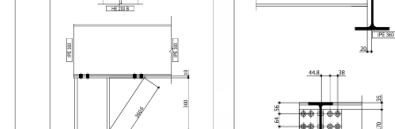
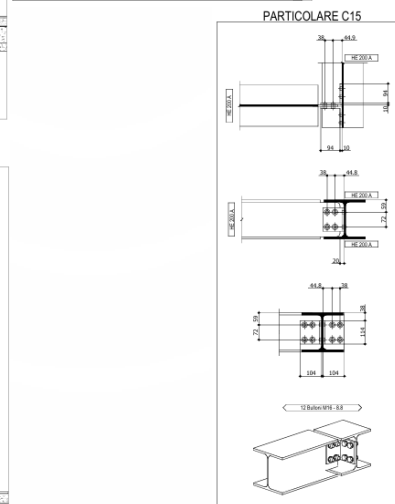
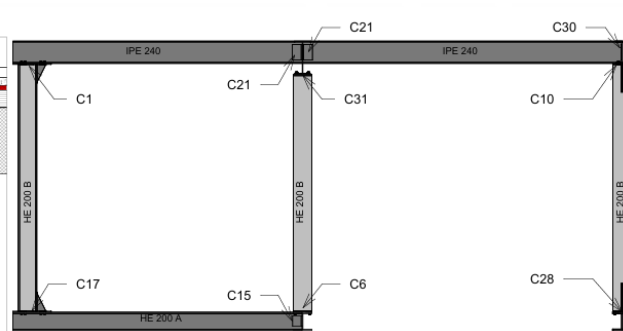
DET 04



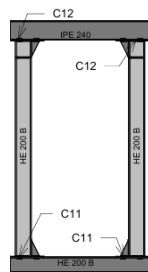
DET 05



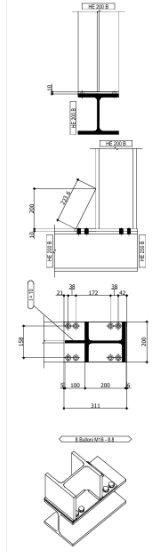
DET 06



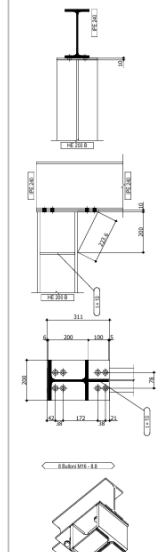
DET - 03



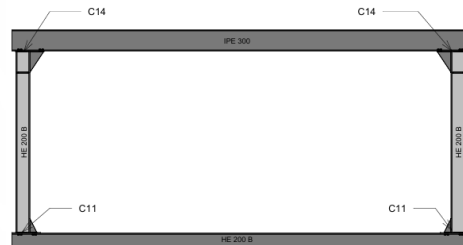
PARTICOLARE C11



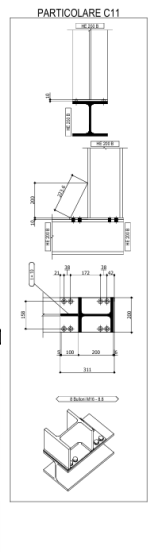
PARTICOLARE C12



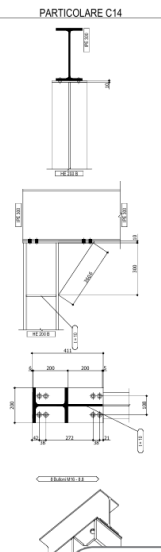
DET - 10



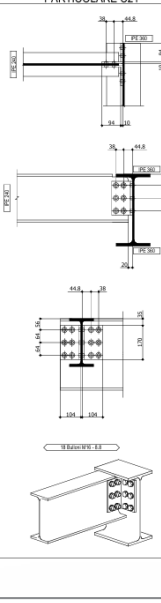
PARTICOLARE C11



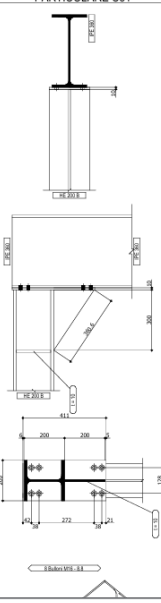
PARTICOLARE C14



PARTICOLARE C21



PARTICOLARE C31



DET 11

DET - 02



CERTIFIED  
ISO 9001

