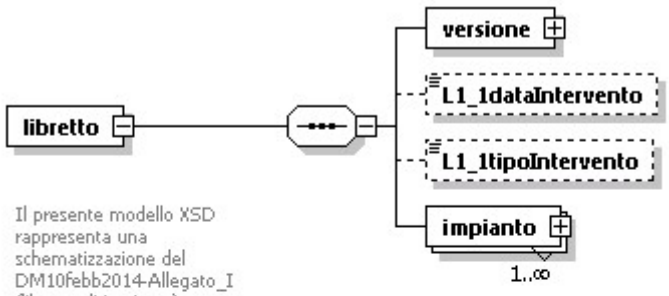
Schema **libretto.xsd**

schema location: **libretto.xsd**
attributeFormDefault: **unqualified**
elementFormDefault: **qualified**
targetNamespace: **libretto**

Elements	Complex types	Simple types
libretto	**altro_trattH2O**	**anno**
	attributiGT	**CAP**
	CondizChimico	**codice_catastale_comune**
	consumi_esercizi	**codice_fiscale**
	dati_catastali	**codice_istat_comune**
	datiImmobile	**codice_provincia**
	Filtrazione	**combustibile**
	gestione_torre_raff	**combustibilefiammadiretta**
	impianto	**comune**
	ispezione	**controllo_compatibilita**
	persona_fisica	**data**
	persona_generica	**decimale1**
	persona_giuridica	**destinazioneUso**
	REA	**dpr412**
	row11_1	**efficienzaFrigo**
	row11_2	**email**
	row11_3	**fabbricante**
	row11_4	**fluido_frigorigeno**
	rowAC	**fluidoTermoVett**
	rowAG	**intervento**
	rowBR	**numero_REA**
	rowCG	**numero_registro_imprese**
	rowCI	**origine_H2O_alimento**
	rowCS	**partita_IVA**
	rowGF	**PDR**
	rowGT	**POD**
	rowPC	**portata**
	rowRC	**provincia**
	rowRCcal	**RCEE**
	rowRV	**rendimento**
	rowSC	**ruolo_nominante**
	rowSCcal	**sorgente**
	rowSR	**tipo_bruciatore**
	rowTE	**tipo_circuito_raffreddamento**
	rowUT	**tipo_scambiatore**
	rowVE	**tipo_ventilatori**
	rowVM	**tipoCogeneratore**
	rowVR	**tipoTermostato**
	tipo_ventilazione_meccanica	**titolo_responsabilita**
	tratt_H2O	**unita_misura_consumo**
	tratt_H2O_ACS	
	tratt_H2O_climaEst	
	tratt_H2O_esist	
	tratt_H2O_gelo	
	TrattamentoH2O	
	unitaimmobiliare	

element **libretto**

diagram	
namespace	libretto
properties	content complex
children	**versione L1_1dataIntervento L1_1tipoIntervento impianto**
annotation	documentation Il presente modello XSD rappresenta una schematizzazione del DM10febb2014-Allegato_I (libretto di impianto). i campi sono denominati laddove esiste un riferimento con il libretto con un codice numerico indicante la scheda e il punto corrispondente al libretto (es L1_1 rappresenta il punto 1 della scheda 1) per ogni unità immobiliare è previsto un solo libretto e per ogni libretto sono possibili N impianti.

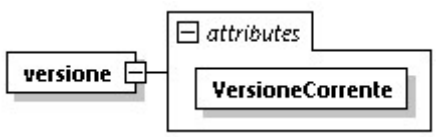
source

```
<xs:element name="libretto">
  <xs:annotation>
    <xs:documentation>
Il presente modello XSD rappresenta una schematizzazione del DM10febb2014-
Allegato_I (libretto di impianto).
i campi sono denominati laddove esiste un riferimento con il libretto con un
codice numerico indicante la scheda e il punto corrispondente al libretto (es L1_1
rappresenta il punto 1 della scheda 1)
per ogni unità immobiliare è previsto un solo libretto e per ogni libretto sono
possibili N impianti.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:annotation>
      <xs:documentation>Dati che sono univoci per il libretto, ovvero il punto 1.1
con il codice del catasto impianti termici, la data ed il tipo di installazione,
nonchè gli N impianti che lo compongono.
Il tag VersioneCorrente è richiesto per validare gli XML inviati,
obbligatoriamente deve essere uguale al valore fissato.

</xs:documentation>
    </xs:annotation>
    <xs:sequence>
      <xs:element name="versione">
        <xs:complexType>
          <xs:attribute name="VersioneCorrente" type="xs:decimal" use="required"
fixed="2.1"/>
        </xs:complexType>
```

```
      </xs:element>
      <xs:element name="L1_1dataIntervento" type="data" minOccurs="0"/>
      <xs:element name="L1_1tipoIntervento" type="intervento" minOccurs="0"/>
      <xs:element name="impianto" type="impianto" minOccurs="1"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **libretto/versione**

diagram	
namespace	libretto
properties	content complex

attributes	Name	Type	Use	Default	Fixed	Annotation
	VersioneCorrente	**xs:decimal**	required		2.1	

source

```
<xs:element name="versione">
  <xs:complexType>
    <xs:attribute name="VersioneCorrente" type="xs:decimal" use="required"
fixed="2.1"/>
  </xs:complexType>
</xs:element>
```

attribute **libretto/versione/@VersioneCorrente**

type	**xs:decimal**
properties	use required fixed 2.1

source

```
<xs:attribute name="VersioneCorrente" type="xs:decimal" use="required"
fixed="2.1"/>
```

element **libretto/L1_1dataIntervento**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind	Value	Annotation
	minInclusive	1900-01-01	
	maxInclusive	2100-12-31	

source

```
<xs:element name="L1_1dataIntervento" type="data" minOccurs="0"/>
```

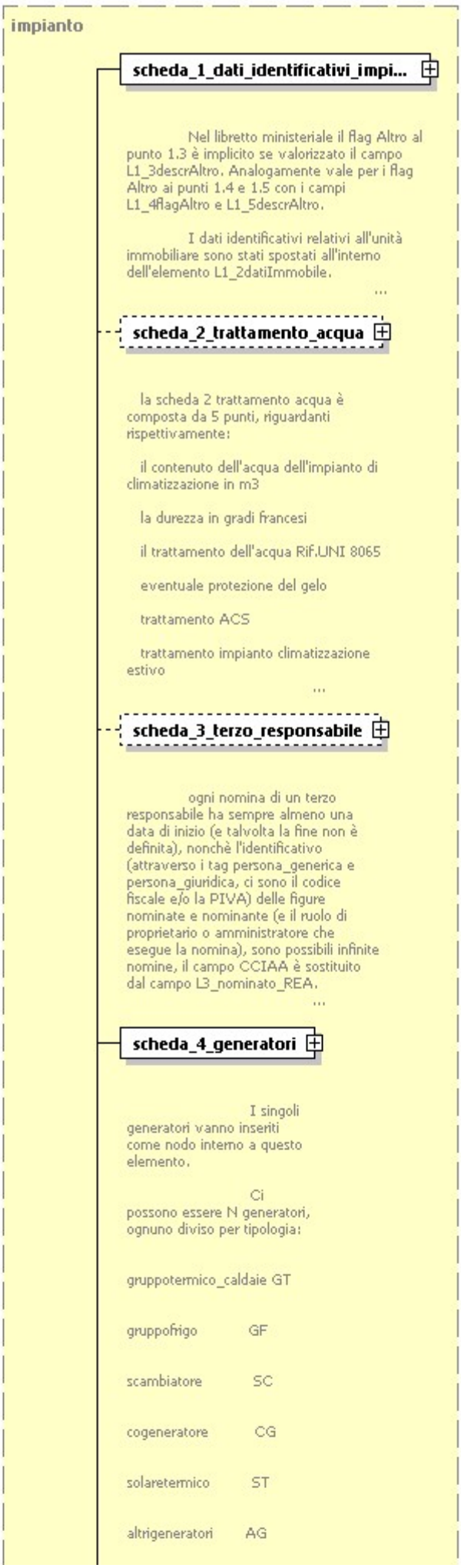
element **libretto/L1_1tipoIntervento**

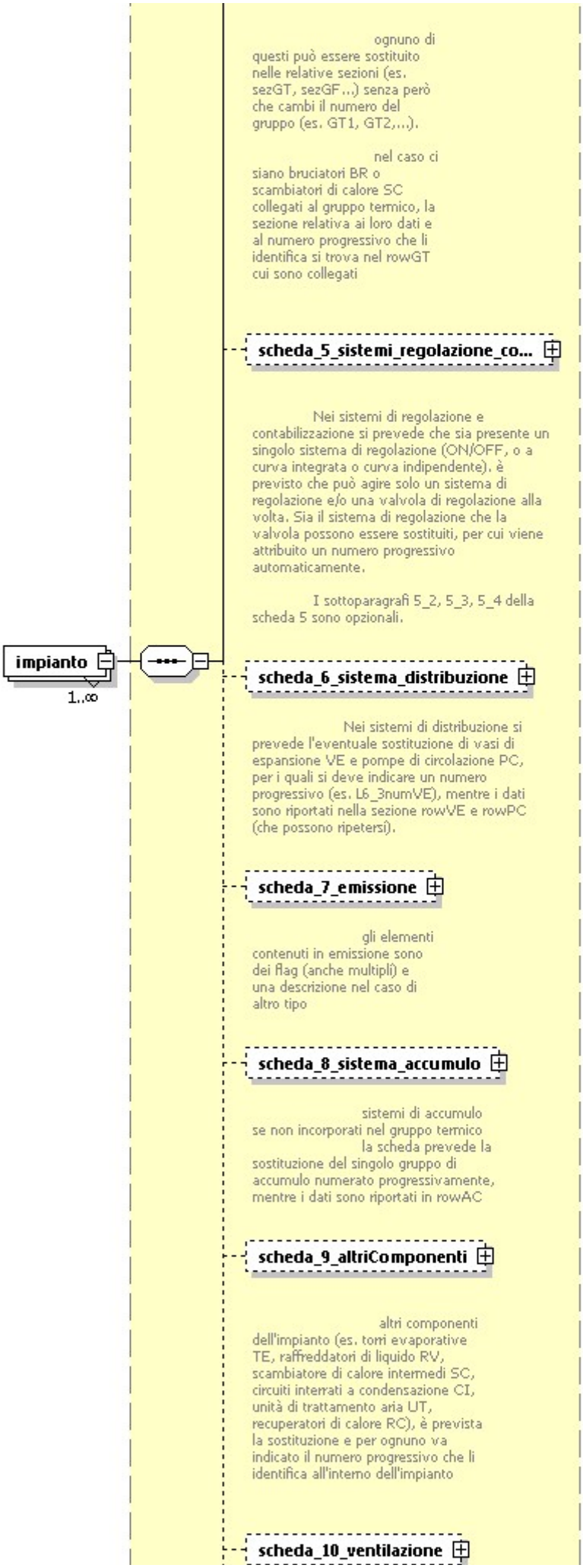
diagram	

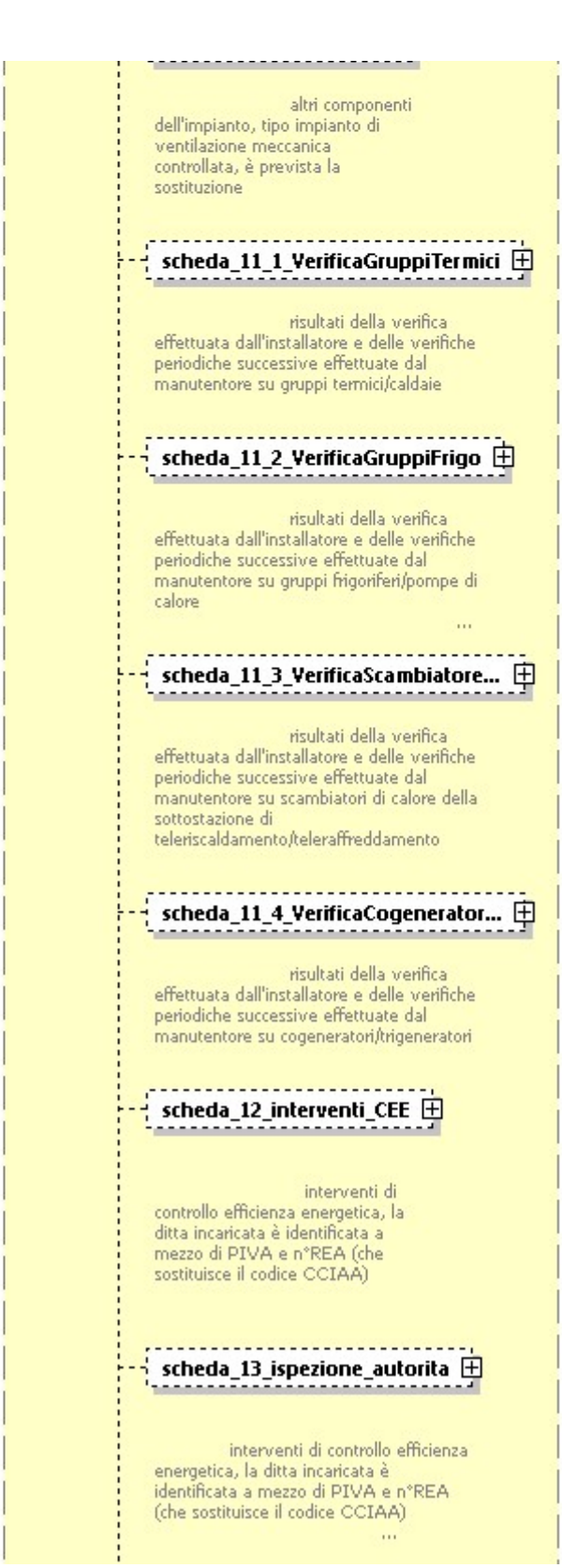
namespace	libretto
type	**intervento**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L1_1tipoIntervento" type="intervento" minOccurs="0"/>`

element **libretto/impianto**

diagram


impianto
scheda_1_dati_identificativi_impi...
Nel libretto ministeriale il flag Altro al punto 1.3 è implicito se valorizzato il campo L1_3descrAltro. Analogamente vale per i flag Altro ai punti 1.4 e 1.5 con i campi L1_4flagAltro e L1_5descrAltro.
I dati identificativi relativi all'unità immobiliare sono stati spostati all'interno dell'elemento L1_2datiImmobile.
...
scheda_2_trattamento_acqua
la scheda 2 trattamento acqua è composta da 5 punti, riguardanti rispettivamente:
il contenuto dell'acqua dell'impianto di climatizzazione in m3
la durezza in gradi francesi
il trattamento dell'acqua Rif.UNI 8065
eventuale protezione del gelo
trattamento ACS
trattamento impianto climatizzazione estivo
...
scheda_3_terzo_responsabile
ogni nomina di un terzo responsabile ha sempre almeno una data di inizio (e talvolta la fine non è definita), nonchè l'identificativo (attraverso i tag persona_generica e persona_giuridica, ci sono il codice fiscale e/o la PIVA) delle figure nominate e nominante (e il ruolo di proprietario o amministratore che esegue la nomina), sono possibili infinite nomine, il campo CCIAA è sostituito dal campo L3_nominato_REA.
...
scheda_4_generatori
I singoli generatori vanno inseriti come nodo interno a questo elemento.
Ci possono essere N generatori, ognuno diviso per tipologia:
gruppotermico_caldaie GT
gruppofrigo GF
scambiatore SC
cogeneratore CG
solaretermico ST
altrigeneratori AG

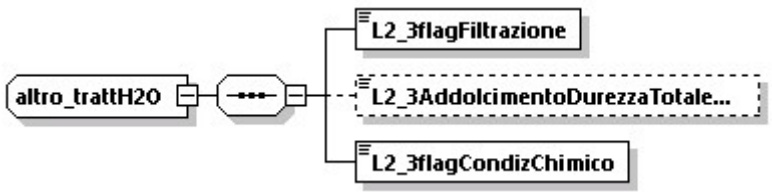

ognuno di questi può essere sostituito nelle relative sezioni (es. sezGT, sezGF...) senza però che cambi il numero del gruppo (es. GT1, GT2,...).
nel caso ci siano bruciatori BR o scambiatori di calore SC collegati al gruppo termico, la sezione relativa ai loro dati e al numero progressivo che li identifica si trova nel rowGT cui sono collegati
scheda_5_sistemi_regolazione_co...
Nei sistemi di regolazione e contabilizzazione si prevede che sia presente un singolo sistema di regolazione (ON/OFF, o a curva integrata o curva indipendente). è previsto che può agire solo un sistema di regolazione e/o una valvola di regolazione alla volta. Sia il sistema di regolazione che la valvola possono essere sostituiti, per cui viene attribuito un numero progressivo automaticamente.
I sottoparagrafi 5_2, 5_3, 5_4 della scheda 5 sono opzionali.
impianto
1..∞
scheda_6_sistema_distribuzione
Nei sistemi di distribuzione si prevede l'eventuale sostituzione di vasi di espansione VE e pompe di circolazione PC, per i quali si deve indicare un numero progressivo (es. L6_3numVE), mentre i dati sono riportati nella sezione rowVE e rowPC (che possono ripetersi).
scheda_7_emissione
gli elementi contenuti in emissione sono dei flag (anche multipli) e una descrizione nel caso di altro tipo
scheda_8_sistema_accumulo
sistemi di accumulo se non incorporati nel gruppo termico la scheda prevede la sostituzione del singolo gruppo di accumulo numerato progressivamente, mentre i dati sono riportati in rowAC
scheda_9_altriComponenti
altri componenti dell'impianto (es. torri evaporative TE, raffreddatori di liquido RV, scambiatore di calore intermedi SC, circuiti interrati a condensazione CI, unità di trattamento aria UT, recuperatori di calore RC), è prevista la sostituzione e per ognuno va indicato il numero progressivo che li identifica all'interno dell'impianto
scheda_10_ventilazione



namespace	libretto
type	**impianto**
properties	minOcc 1 maxOcc unbounded content complex
children	**scheda_1_dati_identificativi_impianto** **scheda_2_trattamento_acqua** **scheda_3_terzo_responsabile** **scheda_4_generatori** **scheda_5_sistemi_regolazione_contabilizzazione** **scheda_6_sistema_distribuzione** **scheda_7_emissione** **scheda_8_sistema_accumulo** **scheda_9_altriComponenti** **scheda_10_ventilazione** **scheda_11_1_VerificaGruppiTermici** **scheda_11_2_VerificaGruppiFrigo** **scheda_11_3_VerificaScambiatoreCalore** **scheda_11_4_VerificaCogeneratoriTrigeneratori** **scheda_12_interventi_CEE** **scheda_13_ispezione_autorita**

	scheda_14_consumi_esercizi
source	`<xs:element name="impianto" type="impianto" minOccurs="1" maxOccurs="unbounded"/>`

complexType **altro_trattH2O**

diagram	
namespace	libretto
children	**L2_3flagFiltrazione** **L2_3AddolcimentoDurezzaTotaleH2O** **L2_3flagCondizChimico**
used by	element **tratt_H2O/L2_3altro_trattH2O**

source	`<xs:complexType name="altro_trattH2O">`
	`  <xs:sequence>`
	`  <xs:element name="L2_3flagFiltrazione" type="xs:boolean"/>`
	`  <xs:element name="L2_3AddolcimentoDurezzaTotaleH2O" type="decimale1" minOccurs="0"/>`
	`  <xs:element name="L2_3flagCondizChimico" type="xs:boolean"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **altro_trattH2O/L2_3flagFiltrazione**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L2_3flagFiltrazione" type="xs:boolean"/>`

element **altro_trattH2O/L2_3AddolcimentoDurezzaTotaleH2O**

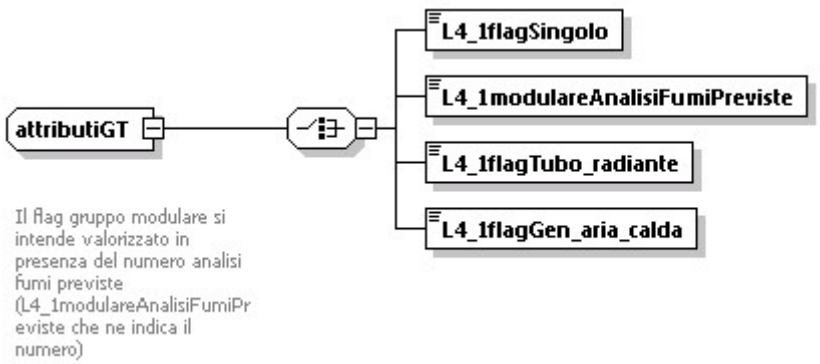
diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_3AddolcimentoDurezzaTotaleH2O" type="decimale1" minOccurs="0"/>`

element **altro_trattH2O/L2_3flagCondizChimico**

diagram	

namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L2_3flagCondizChimico" type="xs:boolean"/>`

complexType **attributiGT**

diagram	
namespace	libretto
children	**L4_1flagSingolo L4_1modulareAnalisiFumiPreviste L4_1flagTubo_radiante L4_1flagGen_aria_calda**
used by	element **rowGT/L4_1attributiGT**
annotation	documentation Il flag gruppo modulare si intende valorizzato in presenza del numero analisi fumi previste (L4_1modulareAnalisiFumiPreviste che ne indica il numero)

source	`<xs:complexType name="attributiGT">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`Il flag gruppo modulare si intende valorizzato in presenza del numero analisi fumi previste (L4_1modulareAnalisiFumiPreviste che ne indica il numero)`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:choice>`
	`  <xs:element name="L4_1flagSingolo" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L4_1modulareAnalisiFumiPreviste" type="xs:integer"/>`
	`  <xs:element name="L4_1flagTubo_radiante" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L4_1flagGen_aria_calda" type="xs:boolean" fixed="true"/>`
	`  </xs:choice>`
	`</xs:complexType>`

element **attributiGT/L4_1flagSingolo**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L4_1flagSingolo" type="xs:boolean" fixed="true"/>`

element **attributiGT/L4_1modulareAnalisiFumiPreviste**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_1modulareAnalisiFumiPreviste" type="xs:integer"/>`

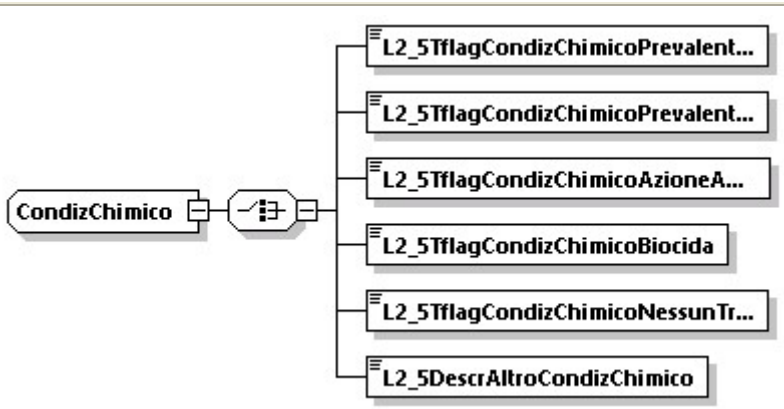
element **attributiGT/L4_1flagTubo_radiante**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L4_1flagTubo_radiante" type="xs:boolean" fixed="true"/>`

element **attributiGT/L4_1flagGen_aria_calda**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L4_1flagGen_aria_calda" type="xs:boolean" fixed="true"/>`

complexType **CondizChimico**

diagram	
namespace	libretto
children	**L2_5TflagCondizChimicoPrevalenteAzioneAntincrostante** **L2_5TflagCondizChimicoPrevalenteAzioneAnticorrosiva** **L2_5TflagCondizChimicoAzioneAntincrostanteAnticorrosiva** **L2_5TflagCondizChimicoBiocida** **L2_5TflagCondizChimicoNessunTrattamento** **L2_5DescrAltroCondizChimico**
used by	element **tratt_H2O_esist/L2_5CondizChimico**

source	<xs:complexType name="CondizChimico"> <xs:choice> <xs:element name="L2_5TflagCondizChimicoPrevalenteAzioneAntincrostante" type="xs:boolean" fixed="true"/> <xs:element name="L2_5TflagCondizChimicoPrevalenteAzioneAnticorrosiva" type="xs:boolean" fixed="true"/> <xs:element name="L2_5TflagCondizChimicoAzioneAntincrostanteAnticorrosiva" type="xs:boolean" fixed="true"/> <xs:element name="L2_5TflagCondizChimicoBiocida" type="xs:boolean" fixed="true"/> <xs:element name="L2_5TflagCondizChimicoNessunTrattamento" type="xs:boolean" fixed="true"/> <xs:element name="L2_5DescrAltroCondizChimico" type="xs:string"/> </xs:choice> </xs:complexType>

element **CondizChimico/L2_5TflagCondizChimicoPrevalenteAzioneAntincrostante**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_5TflagCondizChimicoPrevalenteAzioneAntincrostante" type="xs:boolean" fixed="true"/>

element **CondizChimico/L2_5TflagCondizChimicoPrevalenteAzioneAnticorrosiva**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_5TflagCondizChimicoPrevalenteAzioneAnticorrosiva" type="xs:boolean" fixed="true"/>

element **CondizChimico/L2_5TflagCondizChimicoAzioneAntincrostanteAnticorrosiva**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_5TflagCondizChimicoAzioneAntincrostanteAnticorrosiva" type="xs:boolean" fixed="true"/>

element **CondizChimico/L2_5TflagCondizChimicoBiocida**

diagram	L2_5TflagCondizChimicoBiocida
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_5TflagCondizChimicoBiocida" type="xs:boolean" fixed="true"/>`

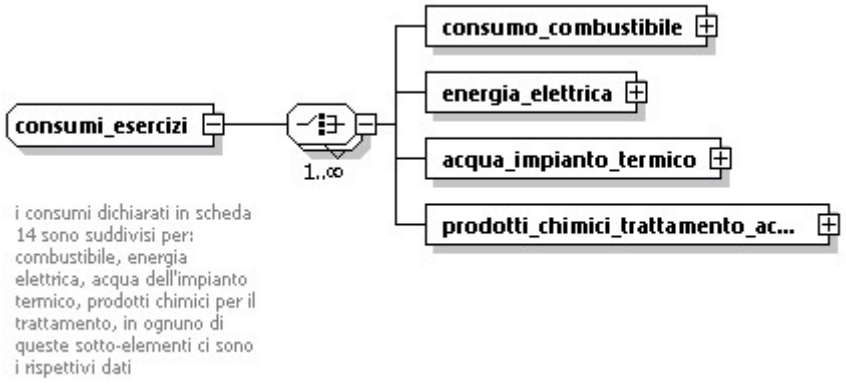
element **CondizChimico/L2_5TflagCondizChimicoNessunTrattamento**

diagram	L2_5TflagCondizChimicoNessunTr...
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_5TflagCondizChimicoNessunTrattamento" type="xs:boolean" fixed="true"/>`

element **CondizChimico/L2_5DescrAltroCondizChimico**

diagram	L2_5DescrAltroCondizChimico
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L2_5DescrAltroCondizChimico" type="xs:string"/>`

complexType **consumi_esercizi**

diagram	
namespace	libretto
children	**consumo_combustibile energia_elettrica acqua_impianto_termico prodotti_chimici_trattamento_acqua**
used by	element **impianto/scheda_14_consumi_esercizi/consumi_esercizi**
annotation	documentation

i consumi dichiarati in scheda 14 sono suddivisi per: combustibile, energia elettrica, acqua dell'impianto termico, prodotti chimici per il trattamento, in ognuno di queste sotto-elementi ci sono i rispettivi dati

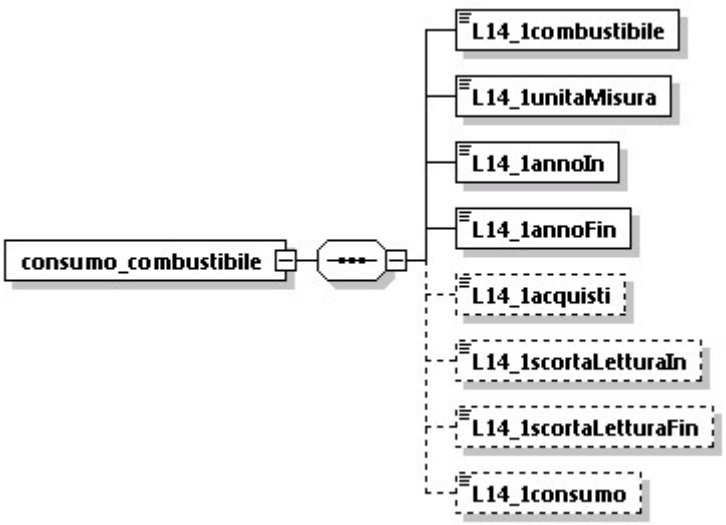
source

```
<xs:complexType name="consumi_esercizi">
  <xs:annotation>
    <xs:documentation>
i consumi dichiarati in scheda 14 sono suddivisi per: combustibile, energia
elettrica, acqua dell'impianto termico, prodotti chimici per il trattamento, in
ognuno di queste sotto-elementi ci sono i rispettivi dati
            </xs:documentation>
  </xs:annotation>
  <xs:choice maxOccurs="unbounded">
    <xs:element name="consumo_combustibile">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L14_1combustibile" type="combustibile"/>
          <xs:element name="L14_1unitaMisura" type="unita_misura_consumo"/>
          <xs:element name="L14_1annoIn" type="anno"/>
          <xs:element name="L14_1annoFin" type="anno"/>
          <xs:element name="L14_1acquisti" type="xs:integer" minOccurs="0"/>
          <xs:element name="L14_1scortaLetturaIn" type="xs:integer"
minOccurs="0"/>
          <xs:element name="L14_1scortaLetturaFin" type="xs:integer"
minOccurs="0"/>
          <xs:element name="L14_1consumo" type="xs:integer" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="energia_elettrica">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L14_2annoIn" type="anno"/>
          <xs:element name="L14_2annoFin" type="anno"/>
          <xs:element name="L14_2letturaIn" type="xs:integer" minOccurs="0"/>
          <xs:element name="L14_2letturaFin" type="xs:integer" minOccurs="0"/>
          <xs:element name="L14_2consumo" type="xs:integer" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="acqua_impianto_termico">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L14_3unitaMisura" type="unita_misura_consumo"/>
          <xs:element name="L14_3annoIn" type="anno"/>
          <xs:element name="L14_3annoFin" type="anno"/>
          <xs:element name="L14_3letturaIn" type="xs:integer" minOccurs="0"/>
          <xs:element name="L14_3letturaFin" type="xs:integer" minOccurs="0"/>
          <xs:element name="L14_3consumo" type="xs:integer" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="prodotti_chimici_trattamento_acqua">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L14_4annoIn" type="anno"/>
          <xs:element name="L14_4annoFin" type="anno"/>
          <xs:element name="L14_4prodottoChimico" type="xs:string"/>
          <xs:element name="L14_4unitaMisura" type="unita_misura_consumo"/>
```

```
          <xs:element name="L14_4consumo" type="decimale1"/>
          <xs:element name="L14_4flagCircuitoImpiantoTermico" type="xs:boolean"/>
          <xs:element name="L14_4flagCircuitoACS" type="xs:boolean"/>
          <xs:element name="L14_4flagCircuitoAusiliari" type="xs:boolean"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:choice>
</xs:complexType>
```

element **consumi_esercizi/consumo_combustibile**

diagram



namespace: libretto

properties: content complex

children: **L14_1combustibile** **L14_1unitaMisura** **L14_1annoIn** **L14_1annoFin** **L14_1acquisti** **L14_1scortaLetturaIn** **L14_1scortaLetturaFin** **L14_1consumo**

source

```
<xs:element name="consumo_combustibile">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L14_1combustibile" type="combustibile"/>
      <xs:element name="L14_1unitaMisura" type="unita_misura_consumo"/>
      <xs:element name="L14_1annoIn" type="anno"/>
      <xs:element name="L14_1annoFin" type="anno"/>
      <xs:element name="L14_1acquisti" type="xs:integer" minOccurs="0"/>
      <xs:element name="L14_1scortaLetturaIn" type="xs:integer" minOccurs="0"/>
      <xs:element name="L14_1scortaLetturaFin" type="xs:integer" minOccurs="0"/>
      <xs:element name="L14_1consumo" type="xs:integer" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **consumi_esercizi/consumo_combustibile/L14_1combustibile**

diagram

namespace: libretto

type: **combustibile**

properties: content simple

facets	Kind Value Annotation minInclusive 1 maxInclusive 24
source	`<xs:element name="L14_1combustibile" type="combustibile"/>`

element **consumi_esercizi/consumo_combustibile/L14_1unitaMisura**

diagram	
namespace	libretto
type	**unita_misura_consumo**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 6
source	`<xs:element name="L14_1unitaMisura" type="unita_misura_consumo"/>`

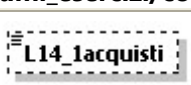
element **consumi_esercizi/consumo_combustibile/L14_1annoIn**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	`<xs:element name="L14_1annoIn" type="anno"/>`

element **consumi_esercizi/consumo_combustibile/L14_1annoFin**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	`<xs:element name="L14_1annoFin" type="anno"/>`

element **consumi_esercizi/consumo_combustibile/L14_1acquisti**

diagram	
namespace	libretto
type	**xs:integer**

properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L14_1acquisti" type="xs:integer" minOccurs="0"/>`

element **consumi_esercizi/consumo_combustibile/L14_1scortaLetturaIn**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L14_1scortaLetturaIn" type="xs:integer" minOccurs="0"/>`

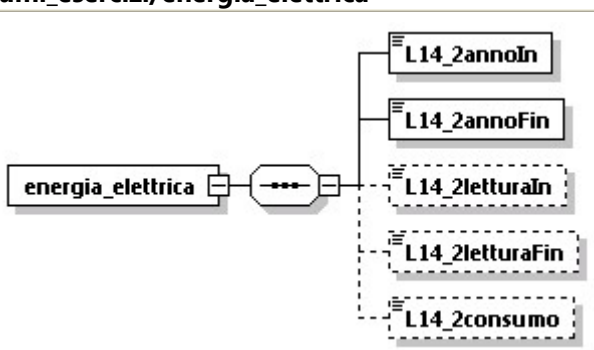
element **consumi_esercizi/consumo_combustibile/L14_1scortaLetturaFin**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L14_1scortaLetturaFin" type="xs:integer" minOccurs="0"/>`

element **consumi_esercizi/consumo_combustibile/L14_1consumo**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L14_1consumo" type="xs:integer" minOccurs="0"/>`

element **consumi_esercizi/energia_elettrica**

diagram	

namespace	libretto
properties	content complex
children	**L14_2annoIn L14_2annoFin L14_2letturaIn L14_2letturaFin L14_2consumo**
source	<xs:element name="energia_elettrica"> <xs:complexType> <xs:sequence> <xs:element name="L14_2annoIn" type="anno"/> <xs:element name="L14_2annoFin" type="anno"/> <xs:element name="L14_2letturaIn" type="xs:integer" minOccurs="0"/> <xs:element name="L14_2letturaFin" type="xs:integer" minOccurs="0"/> <xs:element name="L14_2consumo" type="xs:integer" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **consumi_esercizi/energia_elettrica/L14_2annoIn**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	<xs:element name="L14_2annoIn" type="anno"/>

element **consumi_esercizi/energia_elettrica/L14_2annoFin**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	<xs:element name="L14_2annoFin" type="anno"/>

element **consumi_esercizi/energia_elettrica/L14_2letturaIn**

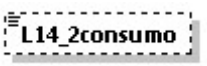
diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple

source	<xs:element name="L14_2letturaIn" type="xs:integer" minOccurs="0"/>

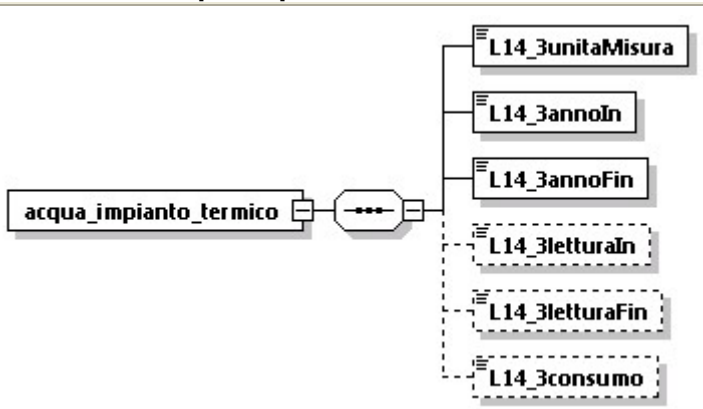
element **consumi_esercizi/energia_elettrica/L14_2letturaFin**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L14_2letturaFin" type="xs:integer" minOccurs="0"/>

element **consumi_esercizi/energia_elettrica/L14_2consumo**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L14_2consumo" type="xs:integer" minOccurs="0"/>

element **consumi_esercizi/acqua_impianto_termico**

diagram	
namespace	libretto
properties	content complex
children	**L14_3unitaMisura L14_3annoIn L14_3annoFin L14_3letturaIn L14_3letturaFin L14_3consumo**
source	<xs:element name="acqua_impianto_termico"> <xs:complexType> <xs:sequence> <xs:element name="L14_3unitaMisura" type="unita_misura_consumo"/> <xs:element name="L14_3annoIn" type="anno"/> <xs:element name="L14_3annoFin" type="anno"/> <xs:element name="L14_3letturaIn" type="xs:integer" minOccurs="0"/> <xs:element name="L14_3letturaFin" type="xs:integer" minOccurs="0"/> <xs:element name="L14_3consumo" type="xs:integer" minOccurs="0"/> </xs:sequence>

```
  </xs:complexType>
</xs:element>
```

element **consumi_esercizi/acqua_impianto_termico/L14_3unitaMisura**

diagram	
namespace	libretto
type	**unita_misura_consumo**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 6
source	`<xs:element name="L14_3unitaMisura" type="unita_misura_consumo"/>`

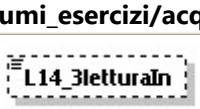
element **consumi_esercizi/acqua_impianto_termico/L14_3annoIn**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	`<xs:element name="L14_3annoIn" type="anno"/>`

element **consumi_esercizi/acqua_impianto_termico/L14_3annoFin**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	`<xs:element name="L14_3annoFin" type="anno"/>`

element **consumi_esercizi/acqua_impianto_termico/L14_3letturaIn**

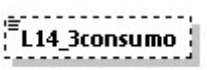
diagram	
namespace	libretto
type	**xs:integer**

properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L14_3letturaIn" type="xs:integer" minOccurs="0"/>

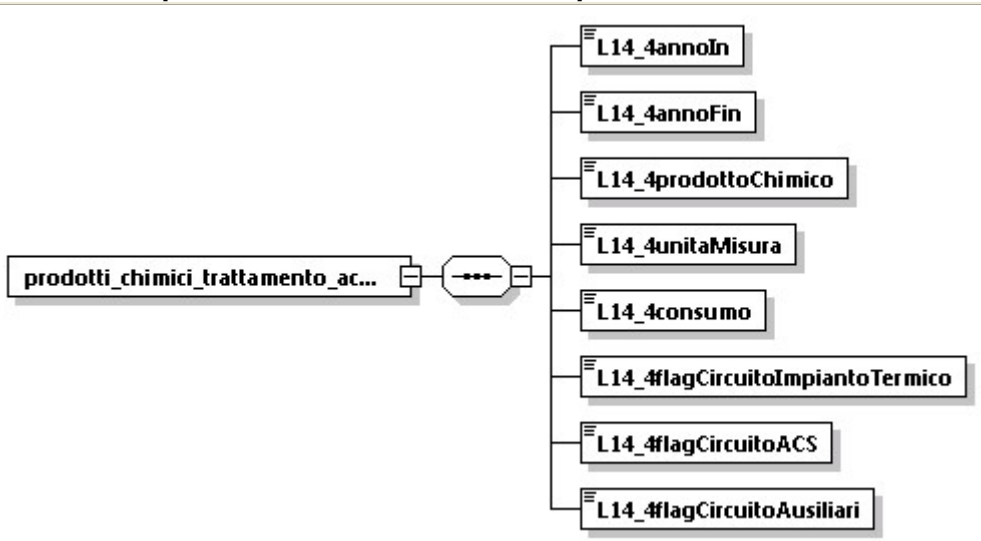
element **consumi_esercizi/acqua_impianto_termico/L14_3letturaFin**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L14_3letturaFin" type="xs:integer" minOccurs="0"/>

element **consumi_esercizi/acqua_impianto_termico/L14_3consumo**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L14_3consumo" type="xs:integer" minOccurs="0"/>

element **consumi_esercizi/prodotti_chimici_trattamento_acqua**

diagram	
namespace	libretto
properties	content complex
children	**L14_4annoIn** **L14_4annoFin** **L14_4prodottoChimico** **L14_4unitaMisura** **L14_4consumo** **L14_4flagCircuitoImpiantoTermico** **L14_4flagCircuitoACS** **L14_4flagCircuitoAusiliari**

source

```
<xs:element name="prodotti_chimici_trattamento_acqua">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L14_4annoIn" type="anno"/>
      <xs:element name="L14_4annoFin" type="anno"/>
      <xs:element name="L14_4prodottoChimico" type="xs:string"/>
      <xs:element name="L14_4unitaMisura" type="unita_misura_consumo"/>
      <xs:element name="L14_4consumo" type="decimale1"/>
      <xs:element name="L14_4flagCircuitoImpiantoTermico" type="xs:boolean"/>
      <xs:element name="L14_4flagCircuitoACS" type="xs:boolean"/>
      <xs:element name="L14_4flagCircuitoAusiliari" type="xs:boolean"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4annoIn**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	`<xs:element name="L14_4annoIn" type="anno"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4annoFin**

diagram	
namespace	libretto
type	**anno**
properties	content simple
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	`<xs:element name="L14_4annoFin" type="anno"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4prodottoChimico**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L14_4prodottoChimico" type="xs:string"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4unitaMisura**

diagram	
namespace	libretto
type	**unita_misura_consumo**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 6
source	`<xs:element name="L14_4unitaMisura" type="unita_misura_consumo"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4consumo**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L14_4consumo" type="decimale1"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4flagCircuitoImpiantoTermico**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L14_4flagCircuitoImpiantoTermico" type="xs:boolean"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4flagCircuitoACS**

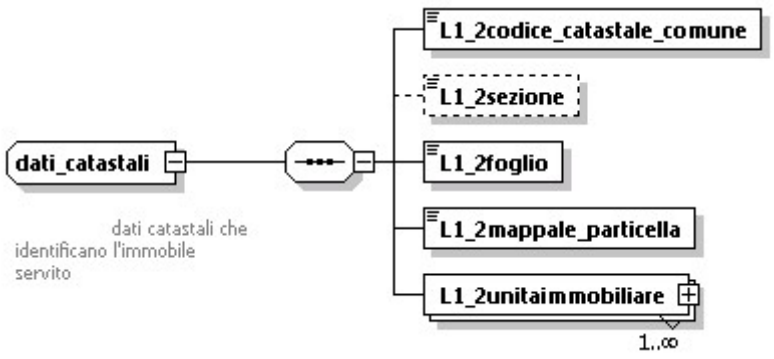
diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L14_4flagCircuitoACS" type="xs:boolean"/>`

element **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4flagCircuitoAusiliari**

diagram	
namespace	libretto
type	**xs:boolean**

properties	content simple
source	`<xs:element name="L14_4flagCircuitoAusiliari" type="xs:boolean"/>`

complexType **dati_catastali**

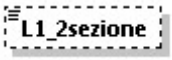
diagram	
namespace	libretto
children	**L1_2codice_catastale_comune** **L1_2sezione** **L1_2foglio** **L1_2mappale_particella** **L1_2unitaimmobiliare**
used by	element **datiImmobile/datiCatastali**
annotation	documentation dati catastali che identificano l'immobile servito

source	`<xs:complexType name="dati_catastali">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  dati catastali che identificano l'immobile servito`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L1_2codice_catastale_comune" type="codice_catastale_comune"/>`
	`  <xs:element name="L1_2sezione" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L1_2foglio" type="xs:string"/>`
	`  <xs:element name="L1_2mappale_particella" type="xs:string"/>`
	`  <xs:element name="L1_2unitaimmobiliare" type="unitaimmobiliare" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **dati_catastali/L1_2codice_catastale_comune**

diagram	
namespace	libretto
type	**codice_catastale_comune**
properties	content simple
facets	Kind Value Annotation length 4 pattern [a-zA-Z]{1}[0-9]{3}
source	`<xs:element name="L1_2codice_catastale_comune" type="codice_catastale_comune"/>`

element **dati_catastali/L1_2sezione**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_2sezione" type="xs:string" minOccurs="0"/>`

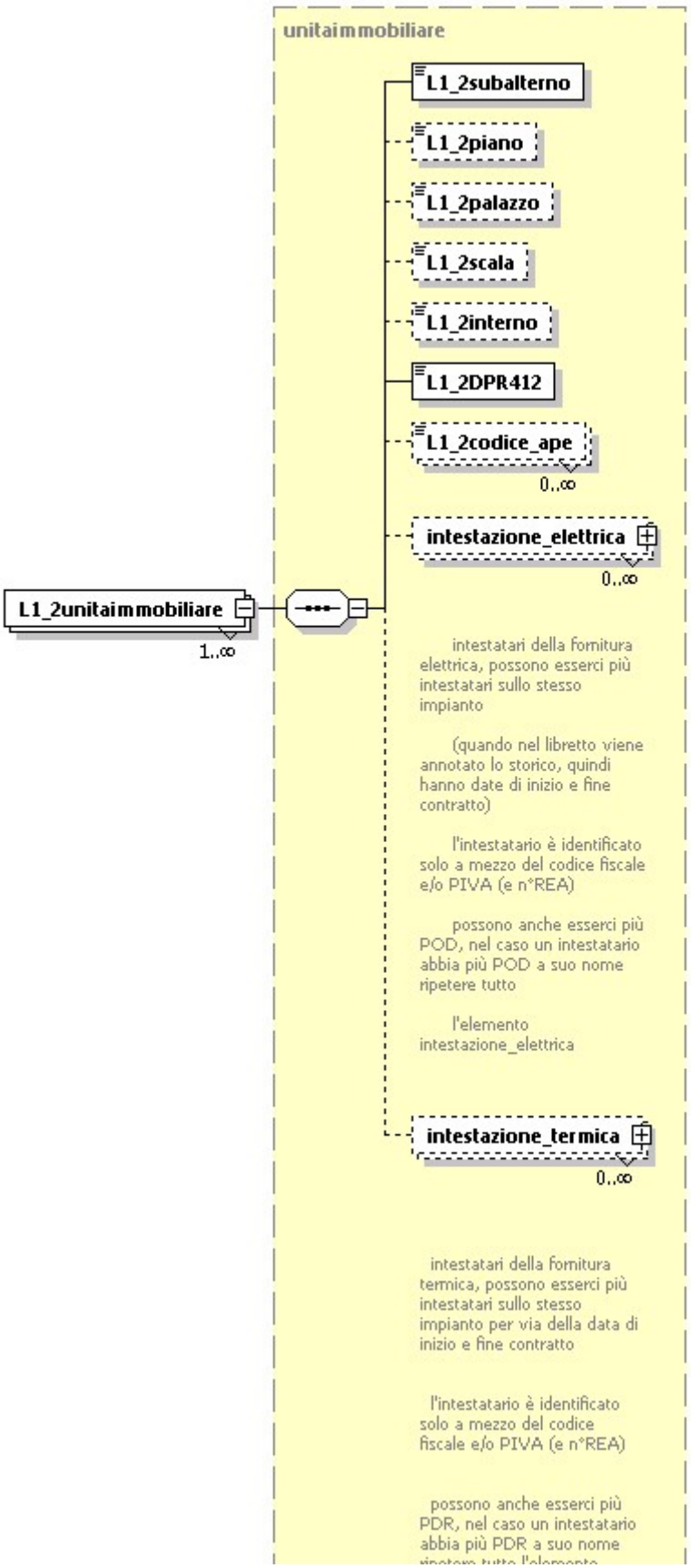
element **dati_catastali/L1_2foglio**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L1_2foglio" type="xs:string"/>`

element **dati_catastali/L1_2mappale_particella**

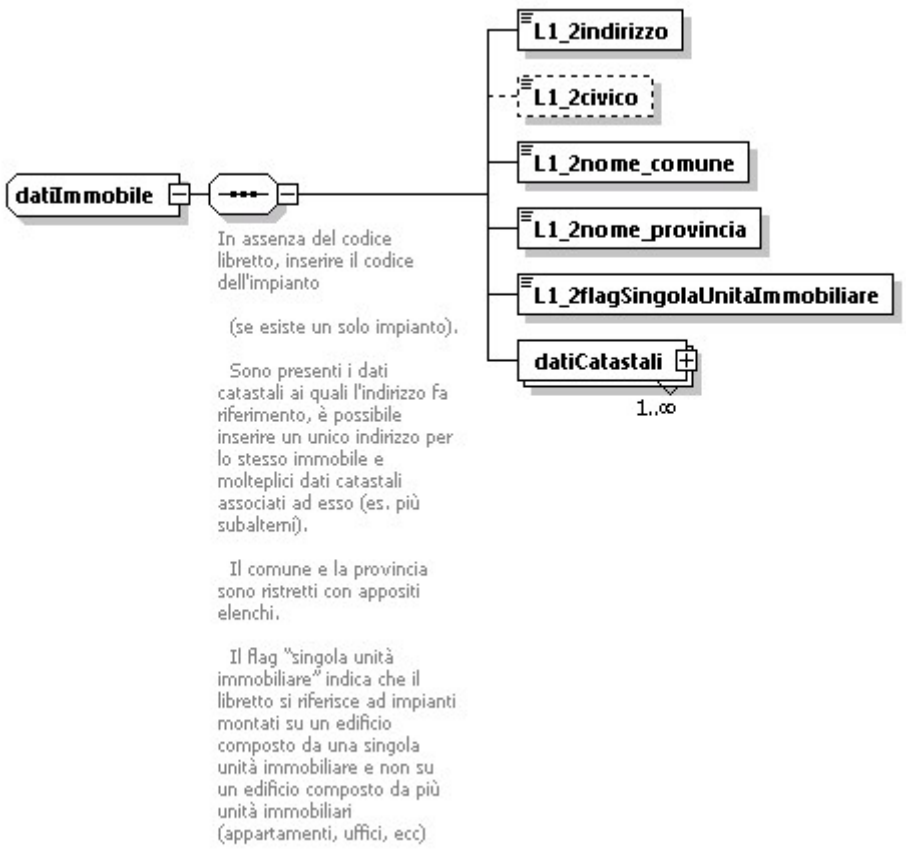
diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L1_2mappale_particella" type="xs:string"/>`

element **dati_catastali/L1_2unitaimmobiliare**

diagram	
namespace	libretto
type	**unitaimmobiliare**
properties	minOcc 1 maxOcc unbounded content complex

children	**L1_2subalterno L1_2piano L1_2palazzo L1_2scala L1_2interno L1_2DPR412 L1_2codice_ape intestazione_elettrica intestazione_termica**
source	`<xs:element name="L1_2unitaimmobiliare" type="unitaimmobiliare" maxOccurs="unbounded"/>`

complexType **datiImmobile**

diagram	
namespace	libretto
children	**L1_2indirizzo L1_2civico L1_2nome_comune L1_2nome_provincia L1_2flagSingolaUnitaImmobiliare datiCatastali**
used by	element **impianto/scheda_1_dati_identificativi_impianto/L1_2datiImmobile**

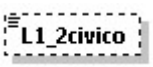
source	`<xs:complexType name="datiImmobile">`
	`  <xs:sequence>`
	`  <xs:annotation>`
	`  <xs:documentation>In assenza del codice libretto, inserire il codice dell'impianto`
	`  (se esiste un solo impianto).`
	`  Sono presenti i dati catastali ai quali l'indirizzo fa riferimento, è possibile inserire un unico indirizzo per lo stesso immobile e molteplici dati catastali associati ad esso (es. più subalterni).`
	`  Il comune e la provincia sono ristretti con appositi elenchi.`
	`  Il flag “singola unità immobiliare” indica che il libretto si riferisce ad impianti montati su un edificio composto da una singola unità immobiliare e non su un edificio composto da più unità immobiliari (appartamenti, uffici, ecc)`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:element name="L1_2indirizzo" type="xs:string"/>`
	`  <xs:element name="L1_2civico" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L1_2nome_comune" type="comune"/>`
	`  <xs:element name="L1_2nome_provincia" type="provincia"/>`
	`  <xs:element name="L1_2flagSingolaUnitaImmobiliare" type="xs:boolean"/>`

```
    <xs:element name="datiCatastali" type="dati_catastali" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

element **datiImmobile/L1_2indirizzo**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L1_2indirizzo" type="xs:string"/>`

element **datiImmobile/L1_2civico**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_2civico" type="xs:string" minOccurs="0"/>`

element **datiImmobile/L1_2nome_comune**

diagram	
namespace	libretto
type	**comune**
properties	content simple
facets	Kind Value Annotation enumeration Accadia enumeration Acquaviva delle Fonti enumeration Adelfia enumeration Alberobello enumeration Alberona enumeration Alessano enumeration Alezio enumeration Alliste enumeration Altamura enumeration Andrano enumeration Andria enumeration Anzano di Puglia enumeration Apricena enumeration Aradeo enumeration Arnesano enumeration Ascoli Satriano enumeration Avetrana enumeration Bagnolo del Salento enumeration Bari

enumeration Barletta
enumeration Biccari
enumeration Binetto
enumeration Bisceglie
enumeration Bitetto
enumeration Bitonto
enumeration Bitritto
enumeration Botrugno
enumeration Bovino
enumeration Brindisi
enumeration Cagnano Varano
enumeration Calimera
enumeration Campi Salentina
enumeration Candela
enumeration Cannole
enumeration Canosa di Puglia
enumeration Caprarica di Lecce
enumeration Capurso
enumeration Carapelle
enumeration Carlantino
enumeration Carmiano
enumeration Carosino
enumeration Carovigno
enumeration Carpignano Salentino
enumeration Carpino
enumeration Casalnuovo Monterotaro
enumeration Casalvecchio di Puglia
enumeration Casamassima
enumeration Casarano
enumeration Cassano delle Murge
enumeration Castellana Grotte
enumeration Castellaneta
enumeration Castelluccio dei Sauri
enumeration Castelluccio Valmaggiore
enumeration Castelnuovo della Daunia
enumeration Castri di Lecce
enumeration Castrignano de' Greci
enumeration Castrignano del Capo
enumeration Castro
enumeration Cavallino
enumeration Ceglie Messapica
enumeration Celenza Valfortore
enumeration Cellamare
enumeration Celle di San Vito
enumeration Cellino San Marco
enumeration Cerignola
enumeration Chieuti
enumeration Cisternino
enumeration Collepasso
enumeration Conversano
enumeration Copertino
enumeration Corato
enumeration Corigliano d'Otranto
enumeration Corsano
enumeration Crispiano
enumeration Cursi
enumeration Cutrofiano
enumeration Deliceto
enumeration Diso
enumeration Erchie

enumeration Faeto
enumeration Faggiano
enumeration Fasano
enumeration Foggia
enumeration Fragagnano
enumeration Francavilla Fontana
enumeration Gagliano del Capo
enumeration Galatina
enumeration Galatone
enumeration Gallipoli
enumeration Ginosa
enumeration Gioia del Colle
enumeration Giovinazzo
enumeration Giuggianello
enumeration Giurdignano
enumeration Gravina in Puglia
enumeration Grottaglie
enumeration Grumo Appula
enumeration Guagnano
enumeration Ischitella
enumeration Isole Tremiti
enumeration Laterza
enumeration Latiano
enumeration Lecce
enumeration Leporano
enumeration Lequile
enumeration Lesina
enumeration Leverano
enumeration Lizzanello
enumeration Lizzano
enumeration Locorotondo
enumeration Lucera
enumeration Maglie
enumeration Manduria
enumeration Manfredonia
enumeration Margherita di Savoia
enumeration Martano
enumeration Martignano
enumeration Martina Franca
enumeration Maruggio
enumeration Massafra
enumeration Matino
enumeration Mattinata
enumeration Melendugno
enumeration Melissano
enumeration Melpignano
enumeration Mesagne
enumeration Miggiano
enumeration Minervino di Lecce
enumeration Minervino Murge
enumeration Modugno
enumeration Mola di Bari
enumeration Molfetta
enumeration Monopoli
enumeration Monteiasi
enumeration Monteleone di Puglia
enumeration Montemesola
enumeration Monteparano
enumeration Monteroni di Lecce
enumeration Montesano Salentino

enumeration Monte Sant'Angelo
enumeration Morciano di Leuca
enumeration Motta Montecorvino
enumeration Mottola
enumeration Muro Leccese
enumeration Nardò
enumeration Neviano
enumeration Noci
enumeration Nociglia
enumeration Noicattaro
enumeration Novoli
enumeration Ordona
enumeration Oria
enumeration Orsara di Puglia
enumeration Orta Nova
enumeration Ortelle
enumeration Ostuni
enumeration Otranto
enumeration Palagianello
enumeration Palagiano
enumeration Palmariggi
enumeration Palo del Colle
enumeration Panni
enumeration Parabita
enumeration Patù
enumeration Peschici
enumeration Pietramontecorvino
enumeration Poggiardo
enumeration Poggio Imperiale
enumeration Poggiorsini
enumeration Polignano a Mare
enumeration Porto Cesareo
enumeration Presicce-Acquarica
enumeration Pulsano
enumeration Putignano
enumeration Racale
enumeration Rignano Garganico
enumeration Roccaforzata
enumeration Rocchetta Sant'Antonio
enumeration Rodi Garganico
enumeration Roseto Valfortore
enumeration Ruffano
enumeration Rutigliano
enumeration Ruvo di Puglia
enumeration Salice Salentino
enumeration Salve
enumeration Sammichele di Bari
enumeration Sanarica
enumeration San Cassiano
enumeration San Cesario di Lecce
enumeration San Donaci
enumeration San Donato di Lecce
enumeration San Ferdinando di Puglia
enumeration San Giorgio Ionico
enumeration San Giovanni Rotondo
enumeration San Marco in Lamis
enumeration San Marco la Catola
enumeration San Marzano di San Giuseppe
enumeration San Michele Salentino
enumeration Sannicandro di Bari

	enumeration San Nicandro Garganico enumeration Sannicola enumeration San Pancrazio Salentino enumeration San Paolo di Civitate enumeration San Pietro in Lama enumeration San Pietro Vernotico enumeration San Severo enumeration Santa Cesarea Terme enumeration Sant'Agata di Puglia enumeration Santeramo in Colle enumeration San Vito dei Normanni enumeration Sava enumeration Scorrano enumeration Seclì enumeration Serracapriola enumeration Sogliano Cavour enumeration Soleto enumeration Specchia enumeration Spinazzola enumeration Spongano enumeration Squinzano enumeration Statte enumeration Sternatia enumeration Stornara enumeration Stornarella enumeration Supersano enumeration Surano enumeration Surbo enumeration Taranto enumeration Taurisano enumeration Taviano enumeration Terlizzi enumeration Tiggiano enumeration Torchiarolo enumeration Toritto enumeration Torremaggiore enumeration Torre Santa Susanna enumeration Torricella enumeration Trani enumeration Trepuzzi enumeration Tricase enumeration Triggiano enumeration Trinitapoli enumeration Troia enumeration Tuglie enumeration Turi enumeration Ugento enumeration Uggiano la Chiesa enumeration Valenzano enumeration Veglie enumeration Vernole enumeration Vico del Gargano enumeration Vieste enumeration Villa Castelli enumeration Volturara Appula enumeration Volturino enumeration Zapponeta enumeration Zollino
source	<xs:element name="L1_2nome_comune" type="comune"/>

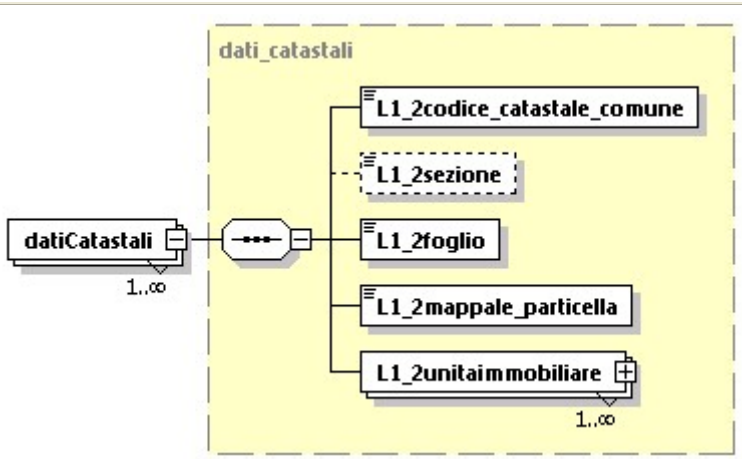
element **datiImmobile/L1_2nome_provincia**

diagram	
namespace	libretto
type	**provincia**
properties	content simple
facets	Kind Value Annotation enumeration BA enumeration BT enumeration BR enumeration FG enumeration LE enumeration TA
source	`<xs:element name="L1_2nome_provincia" type="provincia"/>`

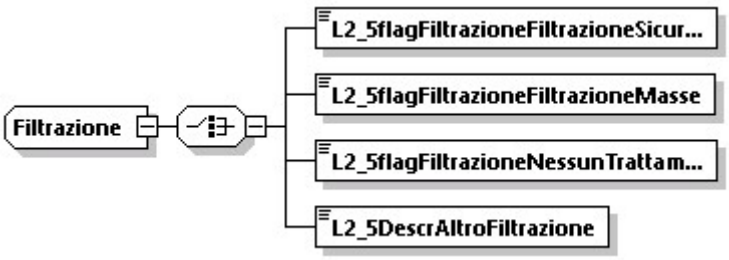
element **datiImmobile/L1_2flagSingolaUnitaImmobiliare**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_2flagSingolaUnitaImmobiliare" type="xs:boolean"/>`

element **datiImmobile/datiCatastali**

diagram	
namespace	libretto
type	**dati_catastali**
properties	minOcc 1 maxOcc unbounded content complex
children	**L1_2codice_catastale_comune L1_2sezione L1_2foglio L1_2mappale_particella L1_2unitaimmobiliare**
source	`<xs:element name="datiCatastali" type="dati_catastali" maxOccurs="unbounded"/>`

complexType **Filtrazione**

diagram	
namespace	libretto
children	**L2_5flagFiltrazioneFiltrazioneSicurezza** **L2_5flagFiltrazioneFiltrazioneMasse** **L2_5flagFiltrazioneNessunTrattamento** **L2_5DescrAltroFiltrazione**
used by	element **tratt_H2O_esist/L2_5Filtrazione**

source	`<xs:complexType name="Filtrazione">`
	`  <xs:choice>`
	`  <xs:element name="L2_5flagFiltrazioneFiltrazioneSicurezza" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L2_5flagFiltrazioneFiltrazioneMasse" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L2_5flagFiltrazioneNessunTrattamento" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L2_5DescrAltroFiltrazione" type="xs:string"/>`
	`  </xs:choice>`
	`</xs:complexType>`

element **Filtrazione/L2_5flagFiltrazioneFiltrazioneSicurezza**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_5flagFiltrazioneFiltrazioneSicurezza" type="xs:boolean" fixed="true"/>`

element **Filtrazione/L2_5flagFiltrazioneFiltrazioneMasse**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_5flagFiltrazioneFiltrazioneMasse" type="xs:boolean" fixed="true"/>`

element **Filtrazione/L2_5flagFiltrazioneNessunTrattamento**

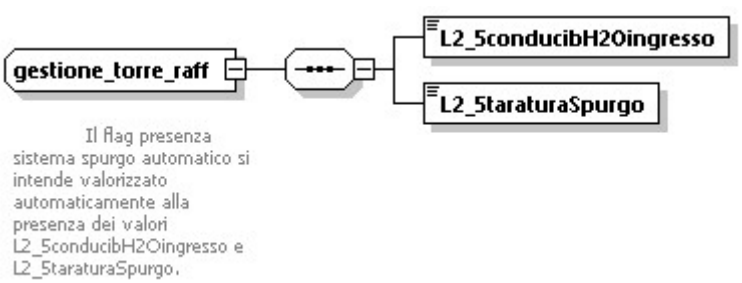
diagram	

namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_5flagFiltrazioneNessunTrattamento" type="xs:boolean" fixed="true"/>`

element **Filtrazione/L2_5DescrAltroFiltrazione**

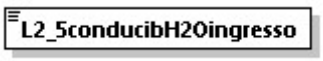
diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L2_5DescrAltroFiltrazione" type="xs:string"/>`

complexType **gestione_torre_raff**

diagram	
namespace	libretto
children	**L2_5conducibH2Oingresso** **L2_5taraturaSpurgo**
used by	element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5gestione_torre_raff**
annotation	documentation Il flag presenza sistema spurgo automatico si intende valorizzato automaticamente alla presenza dei valori L2_5conducibH2Oingresso e L2_5taraturaSpurgo.

source	`<xs:complexType name="gestione_torre_raff">`
	`<xs:annotation>`
	`<xs:documentation>`
	Il flag presenza sistema spurgo automatico si intende valorizzato automaticamente alla presenza dei valori L2_5conducibH2Oingresso e L2_5taraturaSpurgo.
	`</xs:documentation>`
	`</xs:annotation>`
	`<xs:sequence>`
	`<xs:element name="L2_5conducibH2Oingresso" type="decimale1"/>`
	`<xs:element name="L2_5taraturaSpurgo" type="decimale1"/>`
	`</xs:sequence>`
	`</xs:complexType>`

element **gestione_torre_raff/L2_5conducibH2Oingresso**

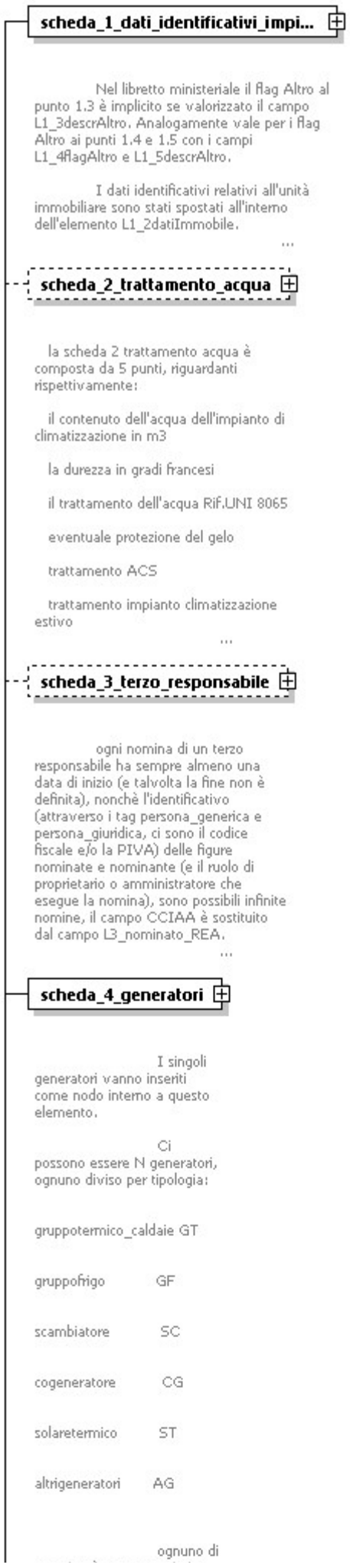
diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_5conducibH2Oingresso" type="decimale1"/>`

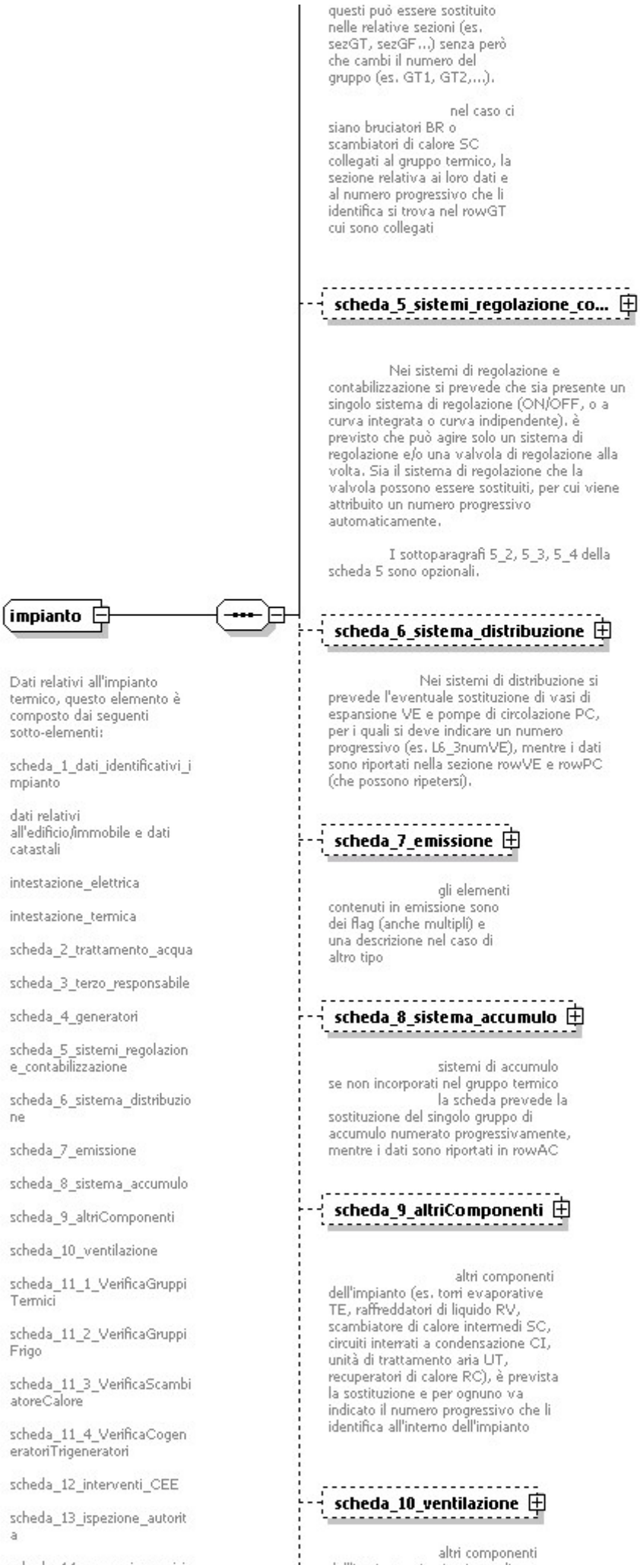
element **gestione_torre_raff/L2_5taraturaSpurgo**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_5taraturaSpurgo" type="decimale1"/>`

complexType **impianto**

diagram


scheda_1_dati_identificativi_impi...
Nel libretto ministeriale il flag Altro al punto 1.3 è implicito se valorizzato il campo L1_3descrAltro. Analogamente vale per i flag Altro ai punti 1.4 e 1.5 con i campi L1_4flagAltro e L1_5descrAltro.
I dati identificativi relativi all'unità immobiliare sono stati spostati all'interno dell'elemento L1_2datiImmobile.
...
scheda_2_trattamento_acqua
la scheda 2 trattamento acqua è composta da 5 punti, riguardanti rispettivamente:
il contenuto dell'acqua dell'impianto di climatizzazione in m3
la durezza in gradi francesi
il trattamento dell'acqua Rif.UNI 8065
eventuale protezione del gelo
trattamento ACS
trattamento impianto climatizzazione estivo
...
scheda_3_terzo_responsabile
ogni nomina di un terzo responsabile ha sempre almeno una data di inizio (e talvolta la fine non è definita), nonchè l'identificativo (attraverso i tag persona_generica e persona_giuridica, ci sono il codice fiscale e/o la PIVA) delle figure nominate e nominante (e il ruolo di proprietario o amministratore che esegue la nomina), sono possibili infinite nomine, il campo CCIAA è sostituito dal campo L3_nominato_REA.
...
scheda_4_generatori
I singoli generatori vanno inseriti come nodo interno a questo elemento.
Ci possono essere N generatori, ognuno diviso per tipologia:
gruppotermico_caldaie GT
gruppofrigo GF
scambiatore SC
cogeneratore CG
solaretermico ST
altrigeneratori AG
ognuno di


questi può essere sostituito nelle relative sezioni (es. sezGT, sezGF...) senza però che cambi il numero del gruppo (es. GT1, GT2,...).
nel caso ci siano bruciatori BR o scambiatori di calore SC collegati al gruppo termico, la sezione relativa ai loro dati e al numero progressivo che li identifica si trova nel rowGT cui sono collegati
scheda_5_sistemi_regolazione_co...
Nei sistemi di regolazione e contabilizzazione si prevede che sia presente un singolo sistema di regolazione (ON/OFF, o a curva integrata o curva indipendente). è previsto che può agire solo un sistema di regolazione e/o una valvola di regolazione alla volta. Sia il sistema di regolazione che la valvola possono essere sostituiti, per cui viene attribuito un numero progressivo automaticamente.
I sottoparagrafi 5_2, 5_3, 5_4 della scheda 5 sono opzionali.
impianto
scheda_6_sistema_distribuzione
Nei sistemi di distribuzione si prevede l'eventuale sostituzione di vasi di espansione VE e pompe di circolazione PC, per i quali si deve indicare un numero progressivo (es. L6_3numVE), mentre i dati sono riportati nella sezione rowVE e rowPC (che possono ripetersi).
Dati relativi all'impianto termico, questo elemento è composto dai seguenti sotto-elementi:
scheda_1_dati_identificativi_impianto
dati relativi all'edificio/immobile e dati catastali
intestazione_elettrica
intestazione_termica
scheda_2_trattamento_acqua
scheda_3_terzo_responsabile
scheda_4_generatori
scheda_5_sistemi_regolazione_contabilizzazione
scheda_6_sistema_distribuzione
scheda_7_emissione
scheda_8_sistema_accumulo
scheda_9_altriComponenti
scheda_10_ventilazione
scheda_11_1_VerificaGruppiTermici
scheda_11_2_VerificaGruppiFrigo
scheda_11_3_VerificaScambiatoreCalore
scheda_11_4_VerificaCogeneratoriTrigeneratori
scheda_12_interventi_CEE
scheda_13_ispezione_autorita
scheda_7_emissione
gli elementi contenuti in emissione sono dei flag (anche multipli) e una descrizione nel caso di altro tipo
scheda_8_sistema_accumulo
sistemi di accumulo se non incorporati nel gruppo termico la scheda prevede la sostituzione del singolo gruppo di accumulo numerato progressivamente, mentre i dati sono riportati in rowAC
scheda_9_altriComponenti
altri componenti dell'impianto (es. torri evaporative TE, raffreddatori di liquido RV, scambiatore di calore intermedi SC, circuiti interrati a condensazione CI, unità di trattamento aria UT, recuperatori di calore RC), è prevista la sostituzione e per ognuno va indicato il numero progressivo che li identifica all'interno dell'impianto
scheda_10_ventilazione
altri componenti

namespace	libretto
children	**scheda_1_dati_identificativi_impianto** **scheda_2_trattamento_acqua** **scheda_3_terzo_responsabile** **scheda_4_generatori** **scheda_5_sistemi_regolazione_contabilizzazione** **scheda_6_sistema_distribuzione** **scheda_7_emissione** **scheda_8_sistema_accumulo** **scheda_9_altriComponenti** **scheda_10_ventilazione** **scheda_11_1_VerificaGruppiTermici** **scheda_11_2_VerificaGruppiFrigo** **scheda_11_3_VerificaScambiatoreCalore** **scheda_11_4_VerificaCogeneratoriTrigeneratori** **scheda_12_interventi_CEE** **scheda_13_ispezione_autorita** **scheda_14_consumi_esercizi**
used by	element **libretto/impianto**
annotation	documentation Dati relativi all'impianto termico, questo elemento è composto dai seguenti sotto-elementi: scheda_1_dati_identificativi_impianto

dati relativi all'edificio/immobile e dati catastali
intestazione_elettrica
intestazione_termica
scheda_2_trattamento_acqua
scheda_3_terzo_responsabile
scheda_4_generatori
scheda_5_sistemi_regolazione_contabilizzazione
scheda_6_sistema_distribuzione
scheda_7_emissione
scheda_8_sistema_accumulo
scheda_9_altriComponenti
scheda_10_ventilazione
scheda_11_1_VerificaGruppiTermici
scheda_11_2_VerificaGruppiFrigo
scheda_11_3_VerificaScambiatoreCalore
scheda_11_4_VerificaCogeneratoriTrigeneratori
scheda_12_interventi_CEE
scheda_13_ispezione_autorita
scheda_14_consumi_esercizi

source

```
<xs:complexType name="impianto">
  <xs:annotation>
    <xs:documentation>
Dati relativi all'impianto termico, questo elemento è composto dai seguenti sotto-
elementi:
scheda_1_dati_identificativi_impianto
dati relativi all'edificio/immobile e dati catastali
intestazione_elettrica
intestazione_termica
scheda_2_trattamento_acqua
scheda_3_terzo_responsabile
scheda_4_generatori
scheda_5_sistemi_regolazione_contabilizzazione
scheda_6_sistema_distribuzione
scheda_7_emissione
scheda_8_sistema_accumulo
scheda_9_altriComponenti
scheda_10_ventilazione
scheda_11_1_VerificaGruppiTermici
scheda_11_2_VerificaGruppiFrigo
scheda_11_3_VerificaScambiatoreCalore
scheda_11_4_VerificaCogeneratoriTrigeneratori
scheda_12_interventi_CEE
scheda_13_ispezione_autorita
scheda_14_consumi_esercizi
        </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="scheda_1_dati_identificativi_impianto">
      <xs:annotation>
        <xs:documentation>
Nel libretto ministeriale il flag Altro al punto 1.3 è implicito se valorizzato il
campo L1_3descrAltro. Analogamente vale per i flag Altro ai punti 1.4 e 1.5 con i
campi L1_4flagAltro e L1_5descrAltro.
I dati identificativi relativi all'unità immobiliare sono stati spostati
all'interno dell'elemento L1_2datiImmobile.
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
```

```
        <xs:sequence>
          <xs:element name="L1_codice_impianto" type="xs:string">
            <xs:annotation>
              <xs:documentation>In assenza del codice impianto, inserire il codice
del libretto
  (se esiste un solo impianto).</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="L1_2datiImmobile" type="datiImmobile"/>
          <xs:element name="L1_2volLordoRisc" type="decimale1"/>
          <xs:element name="L1_2volLordoRaffr" type="decimale1"/>
          <xs:element name="L1_3flagProdACS" type="xs:boolean"/>
          <xs:element name="L1_3potUtileACS" type="decimale1" minOccurs="0"/>
          <xs:element name="L1_3flagClimaInv" type="xs:boolean"/>
          <xs:element name="L1_3potUtileClimaInv" type="decimale1" minOccurs="0"/>
          <xs:element name="L1_3flagClimaEst" type="xs:boolean"/>
          <xs:element name="L1_3potUtileClimaEst" type="decimale1" minOccurs="0"/>
          <xs:element name="L1_3descrAltro" type="xs:string" minOccurs="0"/>
          <xs:element name="L1_4flagH2O" type="xs:boolean"/>
          <xs:element name="L1_4flagAria" type="xs:boolean"/>
          <xs:element name="L1_4descrAltro" type="xs:string" minOccurs="0"/>
          <xs:element name="L1_5flagGeneratCombu" type="xs:boolean"/>
          <xs:element name="L1_5flagPompaCal" type="xs:boolean"/>
          <xs:element name="L1_5flagMaccFrigo" type="xs:boolean"/>
          <xs:element name="L1_5flagTelerisc" type="xs:boolean"/>
          <xs:element name="L1_5flagTeleraffr" type="xs:boolean"/>
          <xs:element name="L1_5flagCogener" type="xs:boolean"/>
          <xs:element name="L1_5descrAltro" type="xs:string" minOccurs="0"/>
          <xs:element name="L1_5flagPannelliSol" type="xs:boolean"/>
          <xs:element name="L1_5superfLordaTot" type="decimale1" minOccurs="0"/>
          <xs:element name="L1_5flagAltraIntegraz" type="xs:boolean"/>
          <xs:element name="L1_5potUtile" type="decimale1" minOccurs="0"/>
          <xs:element name="L1_5descrAltrIntegraz" type="xs:string"
minOccurs="0"/>
          <xs:element name="L1_5flagClimaInv" type="xs:boolean"/>
          <xs:element name="L1_5flagClimaEst" type="xs:boolean"/>
          <xs:element name="L1_5flagProdACS" type="xs:boolean"/>
          <xs:element name="L1_5descrAltroPer" type="xs:string" minOccurs="0"/>
          <xs:element name="L1_6responsabile" type="persona_generica"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="scheda_2_trattamento_acqua" minOccurs="0">
      <xs:annotation>
        <xs:documentation>
   la scheda 2 trattamento acqua è composta da 5 punti, riguardanti
rispettivamente:
   il contenuto dell'acqua dell'impianto di climatizzazione in m3
   la durezza in gradi francesi
   il trattamento dell'acqua Rif.UNI 8065
   eventuale protezione del gelo
   trattamento ACS
   trattamento impianto climatizzazione estivo
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L2_1contenutoH2OimpClima" type="decimale1"/>
          <xs:element name="L2_2durezzaTotaleH2O" type="decimale1"/>
          <xs:element name="L2_3sez_tratt_H2O" type="tratt_H2O"/>
```

```
          <xs:element name="L2_3sez_tratt_H2O_gelo" type="tratt_H2O_gelo"/>
          <xs:element name="L2_4sez_tratt_H2O_ACS" type="tratt_H2O_ACS"/>
          <xs:element name="L2_5sez_tratt_H2O_climaEst"
type="tratt_H2O_climaEst"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="scheda_3_terzo_responsabile" minOccurs="0">
      <xs:annotation>
        <xs:documentation>
ogni nomina di un terzo responsabile ha sempre almeno una data di inizio (e
talvolta la fine non è definita), nonchè l'identificativo (attraverso i tag
persona_generica e persona_giuridica, ci sono il codice fiscale e/o la PIVA) delle
figure nominate e nominante (e il ruolo di proprietario o amministratore che
esegue la nomina), sono possibili infinite nomine, il campo CCIAA è sostituito dal
campo L3_nominato_REA.
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="terzo_responsabile" maxOccurs="unbounded">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="L3_nominante" type="persona_generica"/>
                <xs:element name="L3_nominato" type="persona_giuridica"/>
                <xs:element name="L3_nominato_REA" type="REA" minOccurs="0"/>
                <xs:element name="L3_data_inizio_nomina" type="data"/>
                <xs:element name="L3_data_fine_nomina" type="data" minOccurs="0"/>
                <xs:element name="L3_ruolo_nominante" type="ruolo_nominante"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="scheda_4_generatori">
      <xs:annotation>
        <xs:documentation>
I singoli generatori vanno inseriti come nodo interno a questo elemento.
Ci possono essere N generatori, ognuno diviso per tipologia:
gruppotermico_caldaie GT
gruppofrigo           GF
scambiatore           SC
cogeneratore          CG
solaretermico         ST
altrigeneratori       AG

ognuno di questi può essere sostituito nelle relative sezioni (es. sezGT,
sezGF...) senza però che cambi il numero del gruppo (es. GT1, GT2,...).
nel caso ci siano bruciatori BR o scambiatori di calore SC collegati al gruppo
termico, la sezione relativa ai loro dati e al numero progressivo che li
identifica si trova nel rowGT cui sono collegati
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:choice maxOccurs="unbounded">
          <xs:element name="gruppotermico_caldaie">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="L4_1numGT" type="xs:integer"/>
```

```
                <xs:element name="rowGT" type="rowGT" maxOccurs="unbounded"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="gruppofrigo">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="L4_4numGF" type="xs:integer"/>
                <xs:element name="rowGF" type="rowGF" maxOccurs="unbounded"/>
              </xs:sequence>
            </xs:complexType>
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    </xs:element>
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minOccurs="0">
      <xs:annotation>
        <xs:documentation>
Nei sistemi di regolazione e contabilizzazione si prevede che sia presente un
singolo sistema di regolazione (ON/OFF, o a curva integrata o curva indipendente).
è previsto che può agire solo un sistema di regolazione e/o una valvola di
regolazione alla volta. Sia il sistema di regolazione che la valvola possono
essere sostituiti, per cui viene attribuito un numero progressivo automaticamente.
I sottoparagrafi 5_2, 5_3, 5_4 della scheda 5 sono opzionali.
   </xs:documentation>
      </xs:annotation>
      <xs:complexType>
```

```
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          <xs:choice>
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fixed="true"/>
            <xs:element name="L5_1flagSistemaRegolazioneCurvaIntegrata"
type="xs:boolean" fixed="true"/>
            <xs:element name="L5_1flagSistemaRegolazioneCurvaIndipendente"
type="rowSR" maxOccurs="unbounded"/>
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          <xs:element name="L5_1valvoleRegolazione" type="rowVR" minOccurs="0"
maxOccurs="unbounded"/>
          <xs:element name="L5_1flagRegMultiGrad" type="xs:boolean"/>
          <xs:element name="L5_1flagRegInverter" type="xs:boolean"/>
          <xs:element name="L5_1descrAltriSistRegPrim" type="xs:string"
minOccurs="0"/>
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                <xs:element name="L5_2flagValvDueVieSI" type="xs:boolean"/>
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                <xs:element name="L5_2note" type="xs:string" minOccurs="0"/>
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            </xs:complexType>
          </xs:element>
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              <xs:sequence>
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                <xs:element name="L5_3flagTeleGestioneSI" type="xs:boolean"/>
                <xs:element name="L5_3descrSistemaIniziale" type="xs:string"
minOccurs="0"/>
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maxOccurs="unbounded">
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                    <xs:sequence>
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                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
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            <xs:annotation>
              <xs:documentation>
Il flag "L5_4ContabilizzazioneUISI" segue la presenza degli attributi alternativi
tra loro: L5_4flagRiscald, L5_4flagRaffresc, L5_4flagACS. Il sistema di
contabilizzazione può essere sostituito e in tal caso compare
L5_4SistemaSostituto.
</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
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                    <xs:choice minOccurs="1" maxOccurs="3">
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```

```
fixed="true"/>
                        <xs:element name="L5_4flagRaffresc" type="xs:boolean"
fixed="true"/>
                        <xs:element name="L5_4flagACS" type="xs:boolean"
fixed="true"/>
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maxOccurs="unbounded">
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          <xs:documentation>
                      Nei sistemi di distribuzione si prevede l'eventuale
sostituzione di vasi di espansione VE e pompe di circolazione PC, per i quali si
deve indicare un numero progressivo (es. L6_3numVE), mentre i dati sono riportati
nella sezione rowVE e rowPC (che possono ripetersi).
                       </xs:documentation>
        </xs:annotation>
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maxOccurs="unbounded"/>
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            </xs:element>
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      <xs:documentation>
                    gli elementi contenuti in emissione sono dei flag (anche
multipli) e una descrizione nel caso di altro tipo
                </xs:documentation>
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    <xs:complexType>
      <xs:sequence>
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        <xs:element name="L7_flagAltro" type="xs:boolean"/>
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  </xs:element>
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      <xs:documentation>
                    sistemi di accumulo se non incorporati nel gruppo termico
                    la scheda prevede la sostituzione del singolo gruppo di
accumulo numerato progressivamente, mentre i dati sono riportati in rowAC
                </xs:documentation>
    </xs:annotation>
    <xs:complexType>
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      <xs:documentation>
altri componenti dell'impianto (es. torri evaporative TE, raffreddatori di liquido
RV, scambiatore di calore intermedi SC, circuiti interrati a condensazione CI,
unità di trattamento aria UT, recuperatori di calore RC), è prevista la
sostituzione e per ognuno va indicato il numero progressivo che li identifica
all'interno dell'impianto
</xs:documentation>
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```

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          </xs:element>
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        <xs:documentation>
                        altri componenti dell'impianto, tipo impianto di
ventilazione meccanica controllata, è prevista la sostituzione
                    </xs:documentation>
      </xs:annotation>
```

```
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delle verifiche periodiche successive effettuate dal manutentore su gruppi
termici/caldaie
                    </xs:documentation>
      </xs:annotation>
      <xs:complexType>
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        <xs:documentation>
                        risultati della verifica effettuata dall'installatore e
delle verifiche periodiche successive effettuate dal manutentore su gruppi
frigoriferi/pompe di calore
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
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      <xs:annotation>
```

```
        <xs:documentation>
                        risultati della verifica effettuata dall'installatore e
delle verifiche periodiche successive effettuate dal manutentore su scambiatori di
calore della sottostazione di teleriscaldamento/teleraffreddamento
                        </xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="VerificaScambiatoreCalore" maxOccurs="unbounded">
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      <xs:annotation>
        <xs:documentation>
                        risultati della verifica effettuata dall'installatore e
delle verifiche periodiche successive effettuate dal manutentore su
cogeneratori/trigeneratori
                    </xs:documentation>
      </xs:annotation>
      <xs:complexType>
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maxOccurs="unbounded">
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        <xs:documentation>
interventi di controllo efficienza energetica, la ditta incaricata è identificata
a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA)
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
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```

```
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        <xs:documentation>
interventi di controllo efficienza energetica, la ditta incaricata è identificata
a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA)
</xs:documentation>
      </xs:annotation>
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maxOccurs="unbounded"/>
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    </xs:element>
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      <xs:annotation>
        <xs:documentation>
interventi di controllo efficienza energetica, la ditta incaricata è identificata
a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA
in caso ci siano raccomandazioni e/o prescrizioni il rispettivo attributo assume
valore "true"
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="consumi_esercizi" type="consumi_esercizi"
maxOccurs="unbounded"/>
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      </xs:complexType>
    </xs:element>
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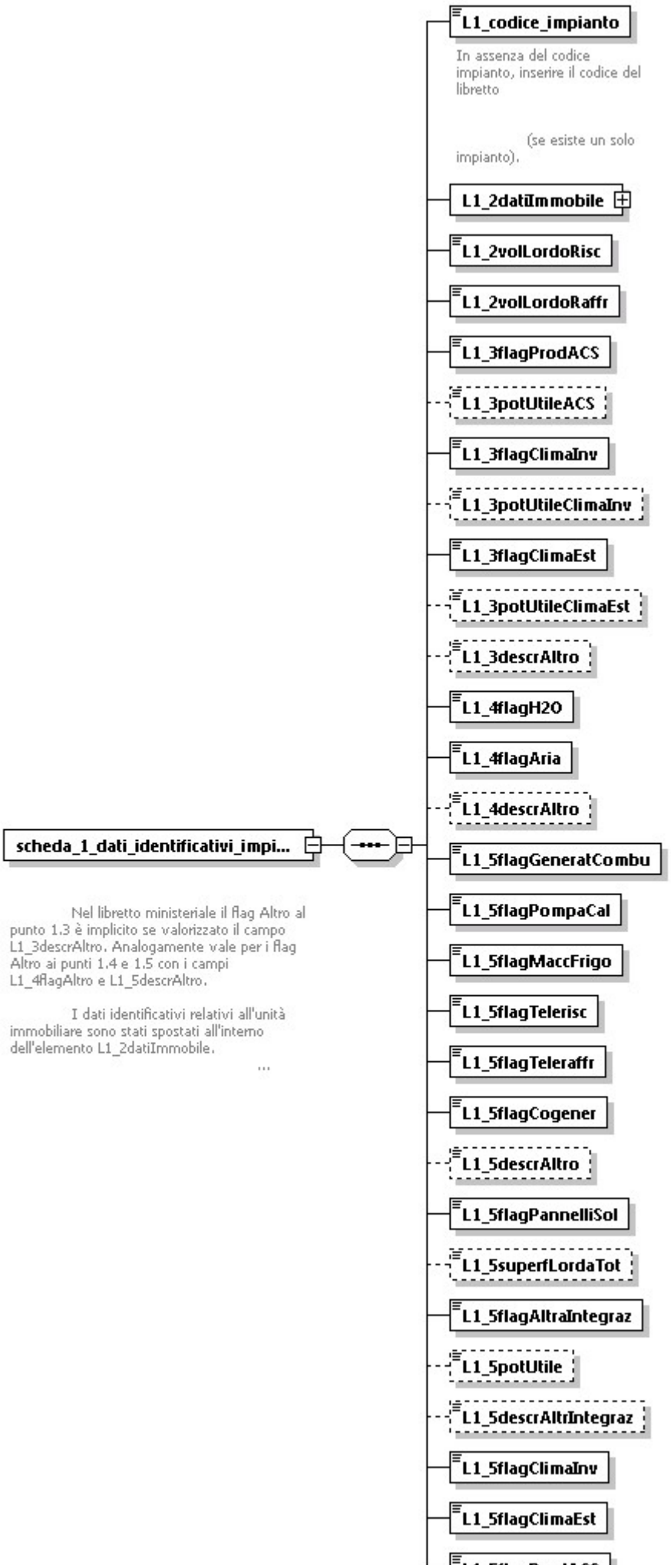
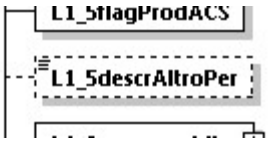
</xs:complexType>
```

element **impianto/scheda_1_dati_identificativi_impianto**

diagram


scheda_1_dati_identificativi_impi...
Nel libretto ministeriale il flag Altro al punto 1.3 è implicito se valorizzato il campo L1_3descrAltro. Analogamente vale per i flag Altro ai punti 1.4 e 1.5 con i campi L1_4flagAltro e L1_5descrAltro.
I dati identificativi relativi all'unità immobiliare sono stati spostati all'interno dell'elemento L1_2datiImmobile.
...
L1_codice_impianto
In assenza del codice impianto, inserire il codice del libretto
(se esiste un solo impianto).
L1_2datiImmobile
L1_2volLordoRisc
L1_2volLordoRaffr
L1_3flagProdACS
L1_3potUtileACS
L1_3flagClimaInv
L1_3potUtileClimaInv
L1_3flagClimaEst
L1_3potUtileClimaEst
L1_3descrAltro
L1_4flagH2O
L1_4flagAria
L1_4descrAltro
L1_5flagGeneratCombu
L1_5flagPompaCal
L1_5flagMaccFrigo
L1_5flagTelerisc
L1_5flagTeleraffr
L1_5flagCogener
L1_5descrAltro
L1_5flagPannelliSol
L1_5superfLordaTot
L1_5flagAltraIntegraz
L1_5potUtile
L1_5descrAltrIntegraz
L1_5flagClimaInv
L1_5flagClimaEst



namespace	libretto
properties	content complex
children	**L1_codice_impianto L1_2datiImmobile L1_2volLordoRisc L1_2volLordoRaffr L1_3flagProdACS L1_3potUtileACS L1_3flagClimaInv L1_3potUtileClimaInv L1_3flagClimaEst L1_3potUtileClimaEst L1_3descrAltro L1_4flagH2O L1_4flagAria L1_4descrAltro L1_5flagGeneratCombu L1_5flagPompaCal L1_5flagMaccFrigo L1_5flagTelerisc L1_5flagTeleraffr L1_5flagCogener L1_5descrAltro L1_5flagPannelliSol L1_5superfLordaTot L1_5flagAltraIntegraz L1_5potUtile L1_5descrAltrIntegraz L1_5flagClimaInv L1_5flagClimaEst L1_5flagProdACS L1_5descrAltroPer L1_6responsabile**
annotation	documentation Nel libretto ministeriale il flag Altro al punto 1.3 è implicito se valorizzato il campo L1_3descrAltro. Analogamente vale per i flag Altro ai punti 1.4 e 1.5 con i campi L1_4flagAltro e L1_5descrAltro. I dati identificativi relativi all'unità immobiliare sono stati spostati all'interno dell'elemento L1_2datiImmobile.

source

```
<xs:element name="scheda_1_dati_identificativi_impianto">
  <xs:annotation>
    <xs:documentation>
Nel libretto ministeriale il flag Altro al punto 1.3 è implicito se valorizzato il
campo L1_3descrAltro. Analogamente vale per i flag Altro ai punti 1.4 e 1.5 con i
campi L1_4flagAltro e L1_5descrAltro.
I dati identificativi relativi all'unità immobiliare sono stati spostati
all'interno dell'elemento L1_2datiImmobile.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
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        <xs:annotation>
          <xs:documentation>In assenza del codice impianto, inserire il codice del
libretto
  (se esiste un solo impianto).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="L1_2datiImmobile" type="datiImmobile"/>
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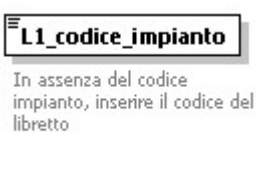
      <xs:element name="L1_4flagH2O" type="xs:boolean"/>
      <xs:element name="L1_4flagAria" type="xs:boolean"/>
      <xs:element name="L1_4descrAltro" type="xs:string" minOccurs="0"/>
      <xs:element name="L1_5flagGeneratCombu" type="xs:boolean"/>
      <xs:element name="L1_5flagPompaCal" type="xs:boolean"/>
      <xs:element name="L1_5flagMaccFrigo" type="xs:boolean"/>
      <xs:element name="L1_5flagTelerisc" type="xs:boolean"/>
      <xs:element name="L1_5flagTeleraffr" type="xs:boolean"/>
      <xs:element name="L1_5flagCogener" type="xs:boolean"/>
      <xs:element name="L1_5descrAltro" type="xs:string" minOccurs="0"/>
      <xs:element name="L1_5flagPannelliSol" type="xs:boolean"/>
```

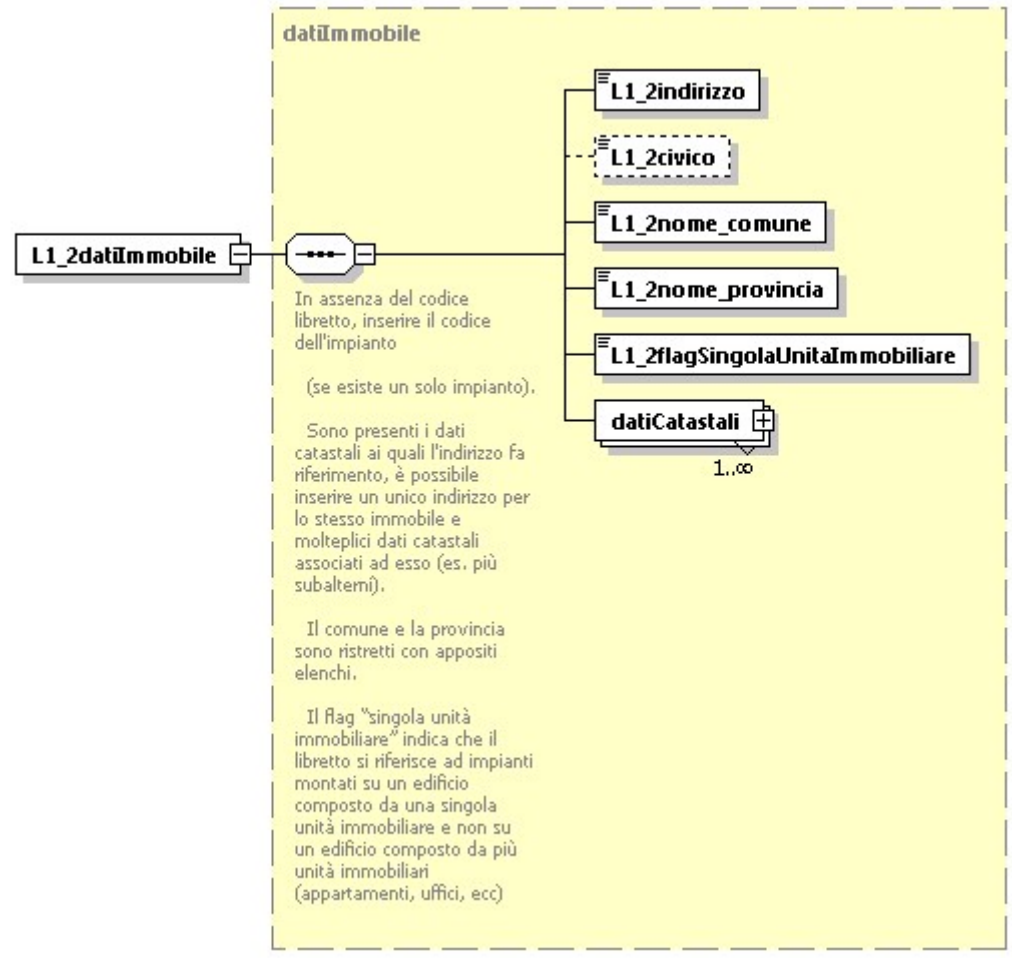
```
      <xs:element name="L1_5superfLordaTot" type="decimale1" minOccurs="0"/>
      <xs:element name="L1_5flagAltraIntegraz" type="xs:boolean"/>
      <xs:element name="L1_5potUtile" type="decimale1" minOccurs="0"/>
      <xs:element name="L1_5descrAltrIntegraz" type="xs:string" minOccurs="0"/>
      <xs:element name="L1_5flagClimaInv" type="xs:boolean"/>
      <xs:element name="L1_5flagClimaEst" type="xs:boolean"/>
      <xs:element name="L1_5flagProdACS" type="xs:boolean"/>
      <xs:element name="L1_5descrAltroPer" type="xs:string" minOccurs="0"/>
      <xs:element name="L1_6responsabile" type="persona_generica"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_1_dati_identificativi_impianto/L1_codice_impianto**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
annotation	documentation In assenza del codice impianto, inserire il codice del libretto (se esiste un solo impianto).

source	`<xs:element name="L1_codice_impianto" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>In assenza del codice impianto, inserire il codice del libretto`
	`  (se esiste un solo impianto).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_2datiImmobile**

diagram	
namespace	libretto
type	**datiImmobile**
properties	content complex
children	**L1_2indirizzo L1_2civico L1_2nome_comune L1_2nome_provincia L1_2flagSingolaUnitaImmobiliare datiCatastali**
source	`<xs:element name="L1_2datiImmobile" type="datiImmobile"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_2volLordoRisc**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L1_2volLordoRisc" type="decimale1"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_2volLordoRaffr**

diagram	
namespace	libretto

type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L1_2volLordoRaffr" type="decimale1"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_3flagProdACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_3flagProdACS" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_3potUtileACS**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L1_3potUtileACS" type="decimale1" minOccurs="0"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_3flagClimaInv**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_3flagClimaInv" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_3potUtileClimaInv**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L1_3potUtileClimaInv" type="decimale1" minOccurs="0"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_3flagClimaEst**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L1_3flagClimaEst" type="xs:boolean"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_3potUtileClimaEst**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L1_3potUtileClimaEst" type="decimale1" minOccurs="0"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_3descrAltro**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L1_3descrAltro" type="xs:string" minOccurs="0"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_4flagH2O**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L1_4flagH2O" type="xs:boolean"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_4flagAria**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_4flagAria" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_4descrAltro**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_4descrAltro" type="xs:string" minOccurs="0"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagGeneratCombu**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagGeneratCombu" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagPompaCal**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagPompaCal" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagMaccFrigo**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagMaccFrigo" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagTelerisc**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagTelerisc" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagTeleraffr**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagTeleraffr" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagCogener**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagCogener" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5descrAltro**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_5descrAltro" type="xs:string" minOccurs="0"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagPannelliSol**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple

source	<xs:element name="L1_5flagPannelliSol" type="xs:boolean"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_5superfLordaTot**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L1_5superfLordaTot" type="decimale1" minOccurs="0"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagAltraIntegraz**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L1_5flagAltraIntegraz" type="xs:boolean"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_5potUtile**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L1_5potUtile" type="decimale1" minOccurs="0"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_5descrAltrIntegraz**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L1_5descrAltrIntegraz" type="xs:string" minOccurs="0"/>

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagClimaInv**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagClimaInv" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagClimaEst**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagClimaEst" type="xs:boolean"/>`

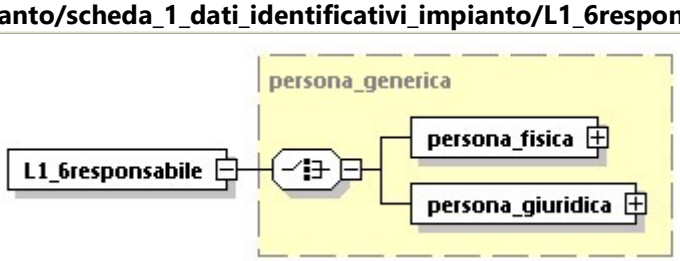
element **impianto/scheda_1_dati_identificativi_impianto/L1_5flagProdACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L1_5flagProdACS" type="xs:boolean"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_5descrAltroPer**

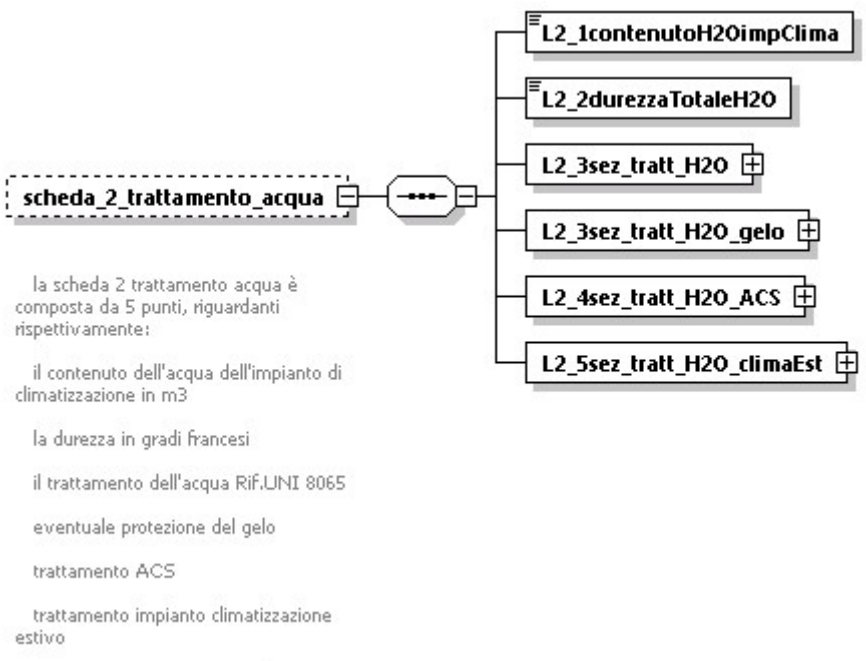
diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_5descrAltroPer" type="xs:string" minOccurs="0"/>`

element **impianto/scheda_1_dati_identificativi_impianto/L1_6responsabile**

diagram	

namespace	libretto
type	**persona_generica**
properties	content complex
children	**persona_fisica** **persona_giuridica**
source	`<xs:element name="L1_6responsabile" type="persona_generica"/>`

element **impianto/scheda_2_trattamento_acqua**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L2_1contenutoH2OimpClima** **L2_2durezzaTotaleH2O** **L2_3sez_tratt_H2O** **L2_3sez_tratt_H2O_gelo** **L2_4sez_tratt_H2O_ACS** **L2_5sez_tratt_H2O_climaEst**
annotation	documentation la scheda 2 trattamento acqua è composta da 5 punti, riguardanti rispettivamente: il contenuto dell'acqua dell'impianto di climatizzazione in m3 la durezza in gradi francesi il trattamento dell'acqua Rif.UNI 8065 eventuale protezione del gelo trattamento ACS trattamento impianto climatizzazione estivo

source	`<xs:element name="scheda_2_trattamento_acqua" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>`
	`la scheda 2 trattamento acqua è composta da 5 punti, riguardanti rispettivamente:`
	`il contenuto dell'acqua dell'impianto di climatizzazione in m3`
	`la durezza in gradi francesi`
	`il trattamento dell'acqua Rif.UNI 8065`
	`eventuale protezione del gelo`
	`trattamento ACS`

```
   trattamento impianto climatizzazione estivo
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L2_1contenutoH2OimpClima" type="decimale1"/>
      <xs:element name="L2_2durezzaTotaleH2O" type="decimale1"/>
      <xs:element name="L2_3sez_tratt_H2O" type="tratt_H2O"/>
      <xs:element name="L2_3sez_tratt_H2O_gelo" type="tratt_H2O_gelo"/>
      <xs:element name="L2_4sez_tratt_H2O_ACS" type="tratt_H2O_ACS"/>
      <xs:element name="L2_5sez_tratt_H2O_climaEst" type="tratt_H2O_climaEst"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

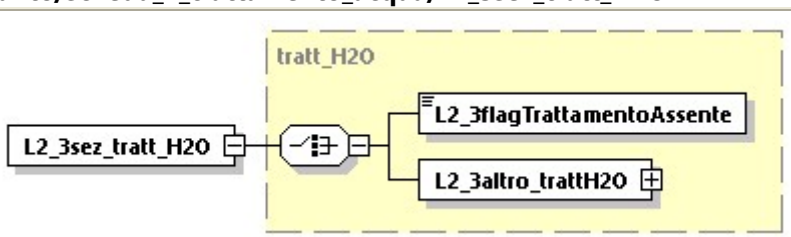
element **impianto/scheda_2_trattamento_acqua/L2_1contenutoH2OimpClima**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_1contenutoH2OimpClima" type="decimale1"/>`

element **impianto/scheda_2_trattamento_acqua/L2_2durezzaTotaleH2O**

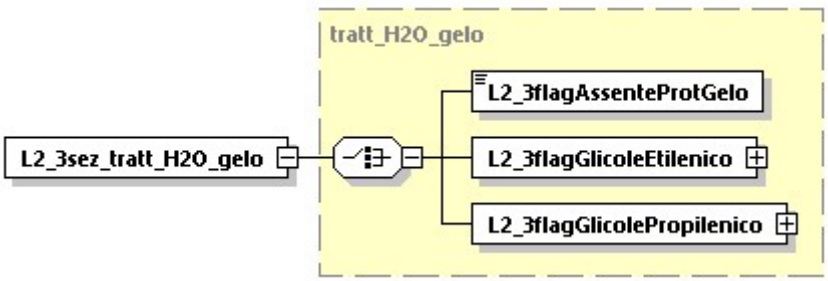
diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_2durezzaTotaleH2O" type="decimale1"/>`

element **impianto/scheda_2_trattamento_acqua/L2_3sez_tratt_H2O**

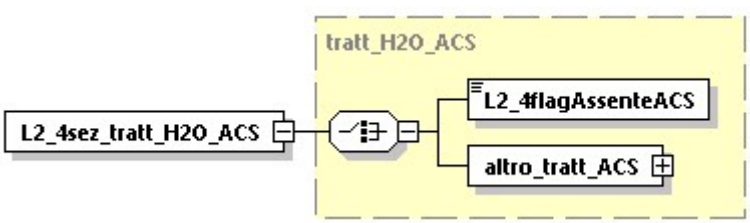
diagram	
namespace	libretto
type	**tratt_H2O**
properties	content complex
children	**L2_3flagTrattamentoAssente** **L2_3altro_trattH2O**

source	<xs:element name="L2_3sez_tratt_H2O" type="tratt_H2O"/>

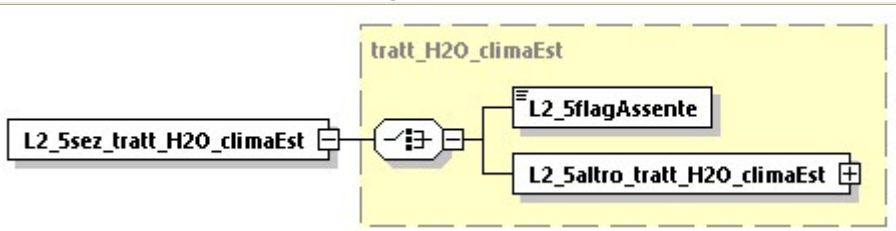
element **impianto/scheda_2_trattamento_acqua/L2_3sez_tratt_H2O_gelo**

diagram	
namespace	libretto
type	**tratt_H2O_gelo**
properties	content complex
children	**L2_3flagAssenteProtGelo L2_3flagGlicoleEtilenico L2_3flagGlicolePropilenico**
source	<xs:element name="L2_3sez_tratt_H2O_gelo" type="tratt_H2O_gelo"/>

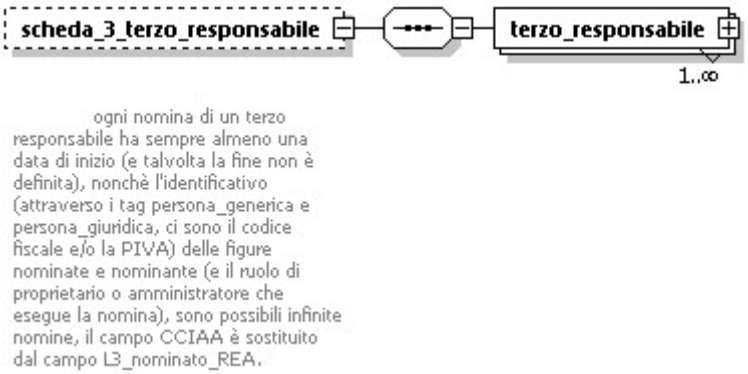
element **impianto/scheda_2_trattamento_acqua/L2_4sez_tratt_H2O_ACS**

diagram	
namespace	libretto
type	**tratt_H2O_ACS**
properties	content complex
children	**L2_4flagAssenteACS altro_tratt_ACS**
source	<xs:element name="L2_4sez_tratt_H2O_ACS" type="tratt_H2O_ACS"/>

element **impianto/scheda_2_trattamento_acqua/L2_5sez_tratt_H2O_climaEst**

diagram	
namespace	libretto
type	**tratt_H2O_climaEst**
properties	content complex
children	**L2_5flagAssente L2_5altro_tratt_H2O_climaEst**
source	<xs:element name="L2_5sez_tratt_H2O_climaEst" type="tratt_H2O_climaEst"/>

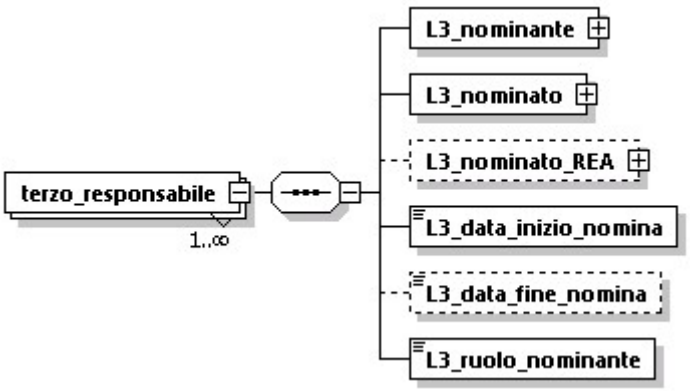
element **impianto/scheda_3_terzo_responsabile**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**terzo_responsabile**
annotation	documentation ogni nomina di un terzo responsabile ha sempre almeno una data di inizio (e talvolta la fine non è definita), nonchè l'identificativo (attraverso i tag persona_generica e persona_giuridica, ci sono il codice fiscale e/o la PIVA) delle figure nominate e nominante (e il ruolo di proprietario o amministratore che esegue la nomina), sono possibili infinite nomine, il campo CCIAA è sostituito dal campo L3_nominato_REA.

source

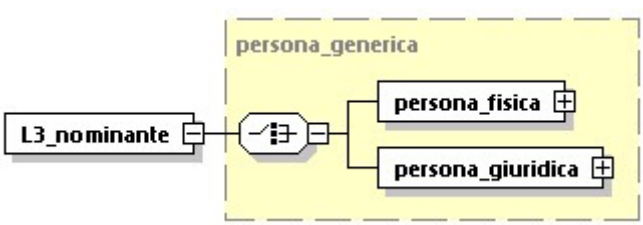
```
<xs:element name="scheda_3_terzo_responsabile" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
ogni nomina di un terzo responsabile ha sempre almeno una data di inizio (e
talvolta la fine non è definita), nonchè l'identificativo (attraverso i tag
persona_generica e persona_giuridica, ci sono il codice fiscale e/o la PIVA) delle
figure nominate e nominante (e il ruolo di proprietario o amministratore che
esegue la nomina), sono possibili infinite nomine, il campo CCIAA è sostituito dal
campo L3_nominato_REA.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="terzo_responsabile" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L3_nominante" type="persona_generica"/>
            <xs:element name="L3_nominato" type="persona_giuridica"/>
            <xs:element name="L3_nominato_REA" type="REA" minOccurs="0"/>
            <xs:element name="L3_data_inizio_nomina" type="data"/>
            <xs:element name="L3_data_fine_nomina" type="data" minOccurs="0"/>
            <xs:element name="L3_ruolo_nominante" type="ruolo_nominante"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile**

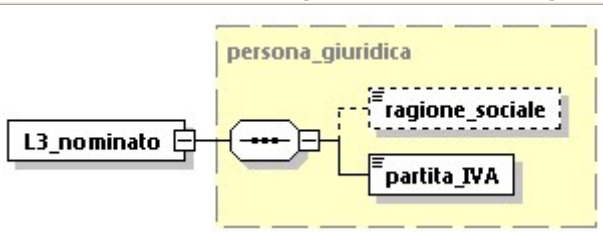
diagram	
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L3_nominante** **L3_nominato** **L3_nominato_REA** **L3_data_inizio_nomina** **L3_data_fine_nomina** **L3_ruolo_nominante**

source	`<xs:element name="terzo_responsabile" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L3_nominante" type="persona_generica"/>`
	`  <xs:element name="L3_nominato" type="persona_giuridica"/>`
	`  <xs:element name="L3_nominato_REA" type="REA" minOccurs="0"/>`
	`  <xs:element name="L3_data_inizio_nomina" type="data"/>`
	`  <xs:element name="L3_data_fine_nomina" type="data" minOccurs="0"/>`
	`  <xs:element name="L3_ruolo_nominante" type="ruolo_nominante"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_nominante**

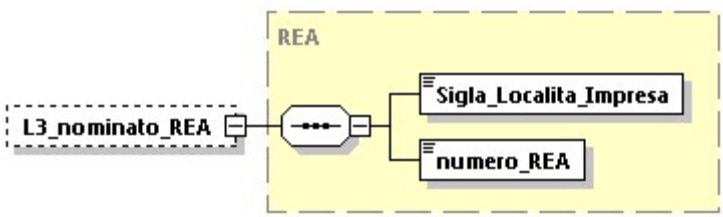
diagram	
namespace	libretto
type	**persona_generica**
properties	content complex
children	**persona_fisica** **persona_giuridica**
source	`<xs:element name="L3_nominante" type="persona_generica"/>`

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_nominato**

diagram	

namespace	libretto
type	**persona_giuridica**
properties	content complex
children	**ragione_sociale partita_IVA**
source	`<xs:element name="L3_nominato" type="persona_giuridica"/>`

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_nominato_REA**

diagram	
namespace	libretto
type	**REA**
properties	minOcc 0 maxOcc 1 content complex
children	**Sigla_Localita_Impresa numero_REA**
source	`<xs:element name="L3_nominato_REA" type="REA" minOccurs="0"/>`

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_data_inizio_nomina**

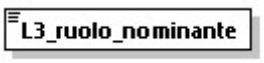
diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L3_data_inizio_nomina" type="data"/>`

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_data_fine_nomina**

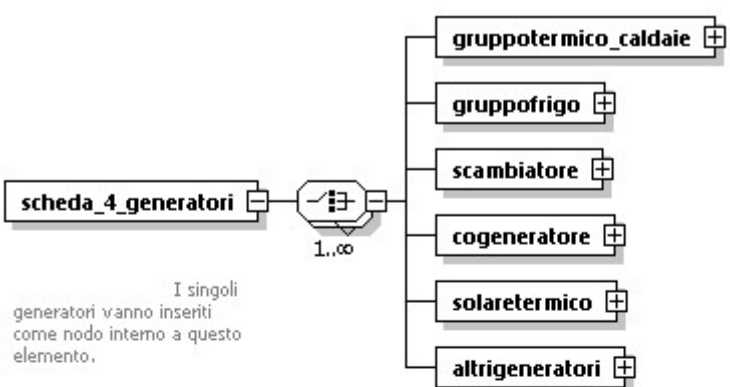
diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31

source	<xs:element name="L3_data_fine_nomina" type="data" minOccurs="0"/>

element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_ruolo_nominante**

diagram	
namespace	libretto
type	**ruolo_nominante**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
source	<xs:element name="L3_ruolo_nominante" type="ruolo_nominante"/>

element **impianto/scheda_4_generatori**

diagram	 I singoli generatori vanno inseriti come nodo interno a questo elemento. Ci possono essere N generatori, ognuno diviso per tipologia: gruppotermico_caldaie GT gruppofrigo GF scambiatore SC cogeneratore CG solaretermico ST altrigeneratori AG ognuno di questi può essere sostituito nelle relative sezioni (es. sezGT, sezGF...) senza però che cambi il numero del gruppo (es. GT1, GT2,...).
namespace	libretto
properties	content complex
children	**gruppotermico_caldaie gruppofrigo scambiatore cogeneratore solaretermico altrigeneratori**
annotation	documentation

I singoli generatori vanno inseriti come nodo interno a questo elemento.
Ci possono essere N generatori, ognuno diviso per tipologia:
gruppotermico_caldaie GT
gruppofrigo GF
scambiatore SC
cogeneratore CG
solaretermico ST
altrigeneratori AG

ognuno di questi può essere sostituito nelle relative sezioni (es. sezGT, sezGF...) senza però che cambi il numero del gruppo (es. GT1, GT2,...).
nel caso ci siano bruciatori BR o scambiatori di calore SC collegati al gruppo termico, la sezione relativa ai loro dati e al numero progressivo che li identifica si trova nel rowGT cui sono collegati

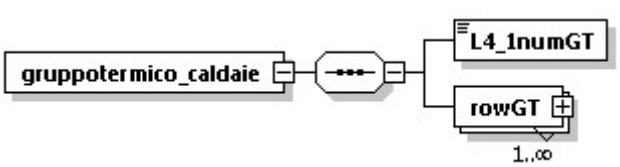
source

```
<xs:element name="scheda_4_generatori">
  <xs:annotation>
    <xs:documentation>
I singoli generatori vanno inseriti come nodo interno a questo elemento.
Ci possono essere N generatori, ognuno diviso per tipologia:
gruppotermico_caldaie GT
gruppofrigo           GF
scambiatore           SC
cogeneratore          CG
solaretermico         ST
altrigeneratori       AG

ognuno di questi può essere sostituito nelle relative sezioni (es. sezGT,
sezGF...) senza però che cambi il numero del gruppo (es. GT1, GT2,...).
nel caso ci siano bruciatori BR o scambiatori di calore SC collegati al gruppo
termico, la sezione relativa ai loro dati e al numero progressivo che li
identifica si trova nel rowGT cui sono collegati
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice maxOccurs="unbounded">
      <xs:element name="gruppotermico_caldaie">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L4_1numGT" type="xs:integer"/>
            <xs:element name="rowGT" type="rowGT" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="gruppofrigo">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L4_4numGF" type="xs:integer"/>
            <xs:element name="rowGF" type="rowGF" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="scambiatore">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L4_5numSC" type="xs:integer"/>
            <xs:element name="rowSC" type="rowSC" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
```

```
      <xs:element name="cogeneratore">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L4_6numCG" type="xs:integer"/>
            <xs:element name="rowCG" type="rowCG" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="solaretermico">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L4_7numCS" type="xs:integer"/>
            <xs:element name="rowCS" type="rowCS" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="altrigeneratori">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L4_8numAG" type="xs:integer"/>
            <xs:element name="rowAG" type="rowAG" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_4_generatori/gruppotermico_caldaie**

diagram	
namespace	libretto
properties	content complex
children	**L4_1numGT** **rowGT**

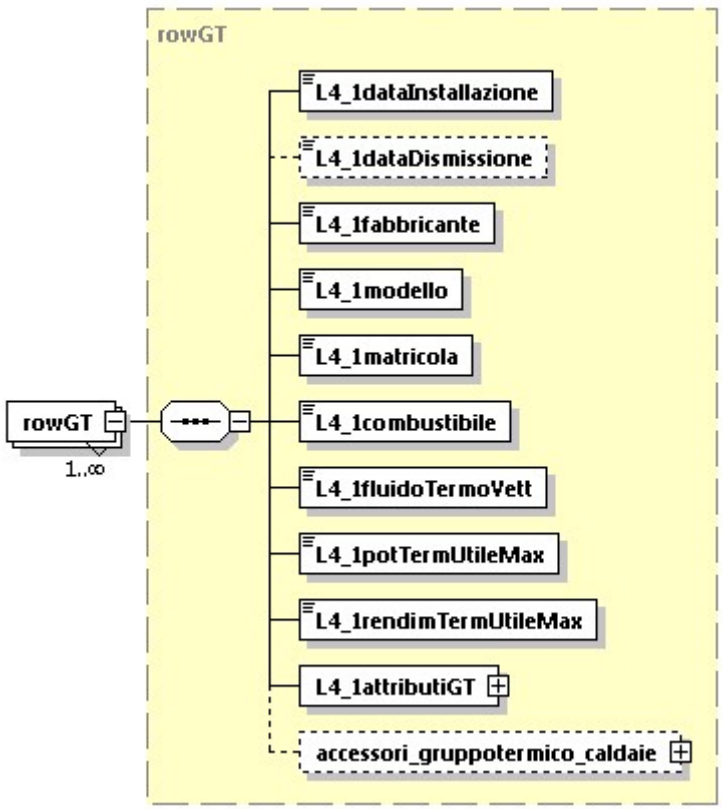
source	`<xs:element name="gruppotermico_caldaie">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L4_1numGT" type="xs:integer"/>`
	`  <xs:element name="rowGT" type="rowGT" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_4_generatori/gruppotermico_caldaie/L4_1numGT**

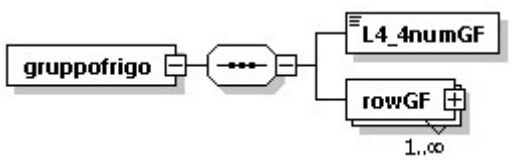
diagram	
namespace	libretto
type	**xs:integer**
properties	content simple

source	<xs:element name="L4_1numGT" type="xs:integer"/>

element **impianto/scheda_4_generatori/gruppotermico_caldaie/rowGT**

diagram	
namespace	libretto
type	**rowGT**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_1dataInstallazione L4_1dataDismissione L4_1fabbricante L4_1modello L4_1matricola L4_1combustibile L4_1fluidoTermoVett L4_1potTermUtileMax L4_1rendimTermUtileMax L4_1attributiGT accessori_gruppotermico_caldaie**
source	<xs:element name="rowGT" type="rowGT" maxOccurs="unbounded"/>

element **impianto/scheda_4_generatori/gruppofrigo**

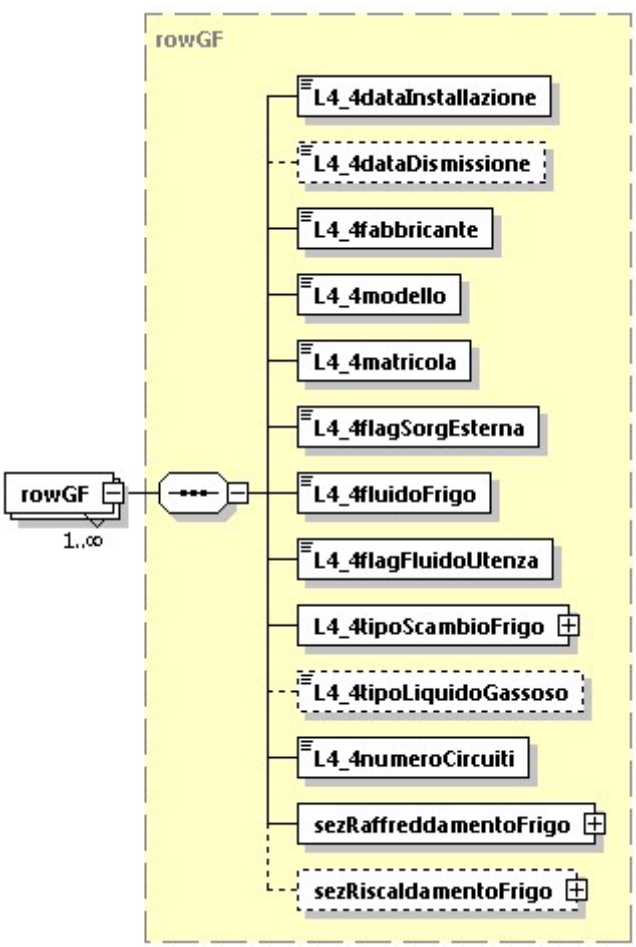
diagram	
namespace	libretto
properties	content complex
children	**L4_4numGF rowGF**
source	<xs:element name="gruppofrigo"> <xs:complexType> <xs:sequence> <xs:element name="L4_4numGF" type="xs:integer"/> <xs:element name="rowGF" type="rowGF" maxOccurs="unbounded"/> </xs:sequence>

```
  </xs:complexType>
</xs:element>
```

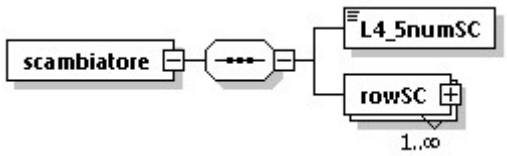
element **impianto/scheda_4_generatori/gruppofrigo/L4_4numGF**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_4numGF" type="xs:integer"/>`

element **impianto/scheda_4_generatori/gruppofrigo/rowGF**

diagram	
namespace	libretto
type	**rowGF**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_4dataInstallazione L4_4dataDismissione L4_4fabbricante L4_4modello L4_4matricola L4_4flagSorgEsterna L4_4fluidoFrigo L4_4flagFluidoUtenza L4_4tipoScambioFrigo L4_4tipoLiquidoGassoso L4_4numeroCircuiti sezRaffreddamentoFrigo sezRiscaldamentoFrigo**
source	`<xs:element name="rowGF" type="rowGF" maxOccurs="unbounded"/>`

element **impianto/scheda_4_generatori/scambiatore**

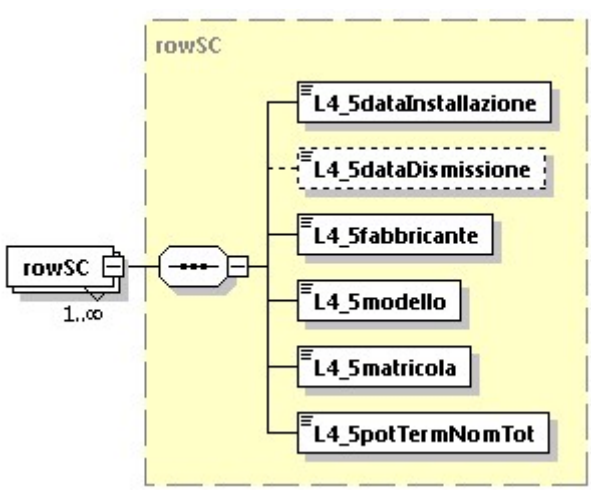
diagram	
namespace	libretto
properties	content complex
children	**L4_5numSC** **rowSC**

source	`<xs:element name="scambiatore">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L4_5numSC" type="xs:integer"/>`
	`  <xs:element name="rowSC" type="rowSC" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

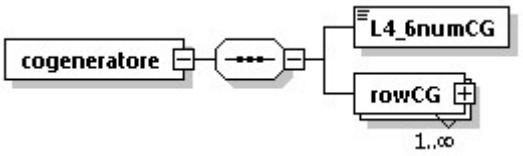
element **impianto/scheda_4_generatori/scambiatore/L4_5numSC**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_5numSC" type="xs:integer"/>`

element **impianto/scheda_4_generatori/scambiatore/rowSC**

diagram	
namespace	libretto
type	**rowSC**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_5dataInstallazione** **L4_5dataDismissione** **L4_5fabbricante** **L4_5modello** **L4_5matricola** **L4_5potTermNomTot**
source	`<xs:element name="rowSC" type="rowSC" maxOccurs="unbounded"/>`

element **impianto/scheda_4_generatori/cogeneratore**

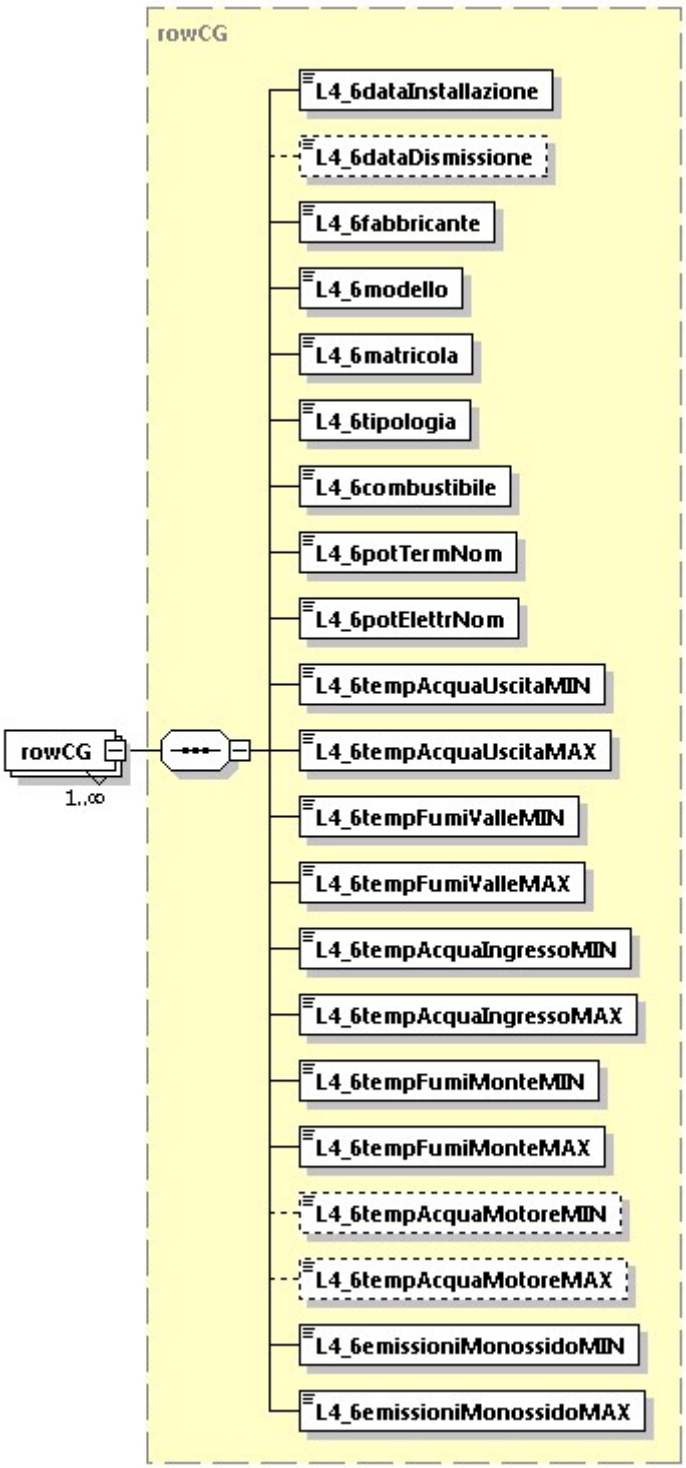
diagram	
namespace	libretto
properties	content complex
children	**L4_6numCG** **rowCG**

source	`<xs:element name="cogeneratore">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L4_6numCG" type="xs:integer"/>`
	`  <xs:element name="rowCG" type="rowCG" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

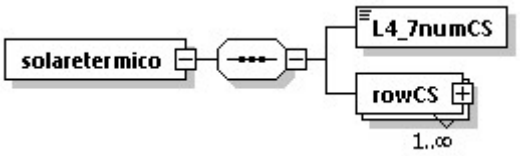
element **impianto/scheda_4_generatori/cogeneratore/L4_6numCG**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_6numCG" type="xs:integer"/>`

element **impianto/scheda_4_generatori/cogeneratore/rowCG**

diagram	
namespace	libretto
type	**rowCG**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_6dataInstallazione L4_6dataDismissione L4_6fabbricante L4_6modello L4_6matricola L4_6tipologia L4_6combustibile L4_6potTermNom L4_6potElettrNom L4_6tempAcquaUscitaMIN L4_6tempAcquaUscitaMAX L4_6tempFumiValleMIN L4_6tempFumiValleMAX L4_6tempAcquaIngressoMIN L4_6tempAcquaIngressoMAX L4_6tempFumiMonteMIN L4_6tempFumiMonteMAX L4_6tempAcquaMotoreMIN L4_6tempAcquaMotoreMAX L4_6emissioniMonossidoMIN L4_6emissioniMonossidoMAX**
source	`<xs:element name="rowCG" type="rowCG" maxOccurs="unbounded"/>`

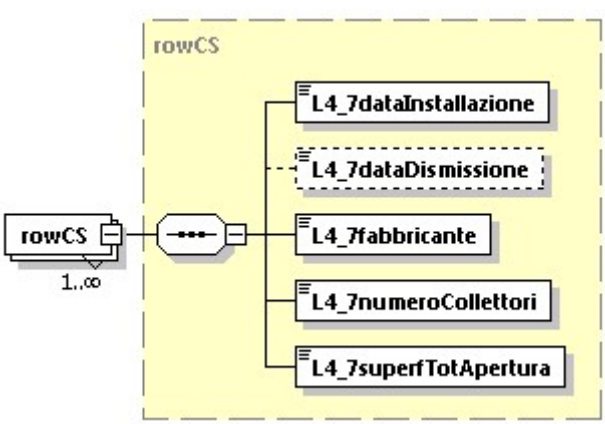
element **impianto/scheda_4_generatori/solaretermico**

diagram	
namespace	libretto
properties	content complex
children	**L4_7numCS rowCS**
source	<xs:element name="solaretermico"> <xs:complexType> <xs:sequence> <xs:element name="L4_7numCS" type="xs:integer"/> <xs:element name="rowCS" type="rowCS" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

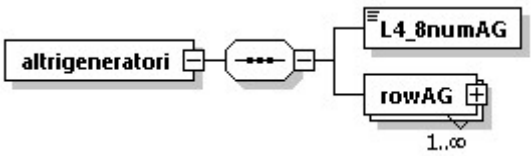
element **impianto/scheda_4_generatori/solaretermico/L4_7numCS**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L4_7numCS" type="xs:integer"/>

element **impianto/scheda_4_generatori/solaretermico/rowCS**

diagram	
namespace	libretto
type	**rowCS**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_7dataInstallazione L4_7dataDismissione L4_7fabbricante L4_7numeroCollettori L4_7superfTotApertura**
source	<xs:element name="rowCS" type="rowCS" maxOccurs="unbounded"/>

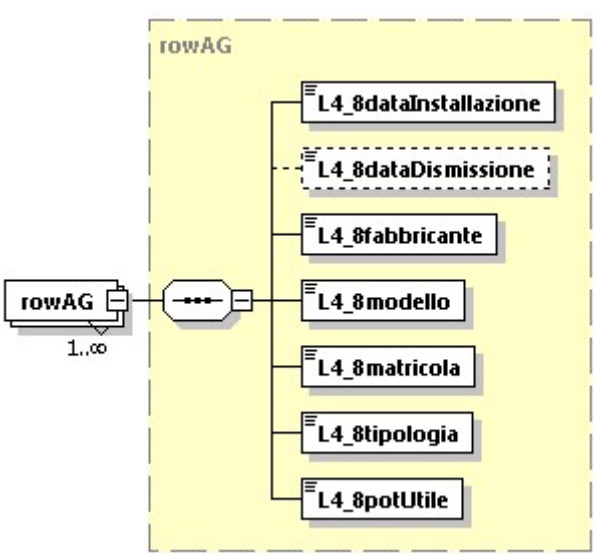
element **impianto/scheda_4_generatori/altrigeneratori**

diagram	
namespace	libretto
properties	content complex
children	**L4_8numAG** **rowAG**
source	<xs:element name="altrigeneratori"> <xs:complexType> <xs:sequence> <xs:element name="L4_8numAG" type="xs:integer"/> <xs:element name="rowAG" type="rowAG" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **impianto/scheda_4_generatori/altrigeneratori/L4_8numAG**

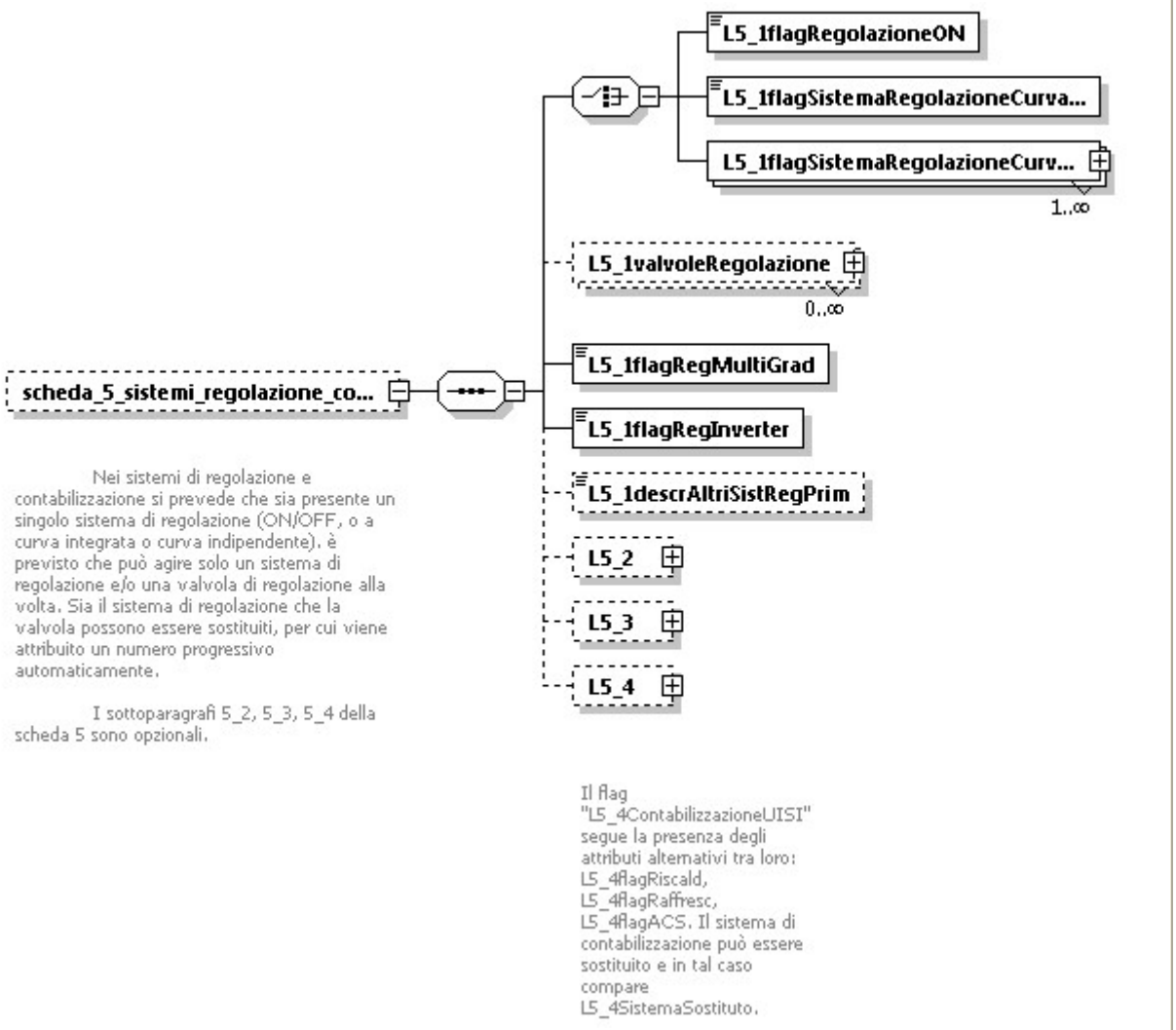
diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L4_8numAG" type="xs:integer"/>

element **impianto/scheda_4_generatori/altrigeneratori/rowAG**

diagram	
namespace	libretto
type	**rowAG**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_8dataInstallazione** **L4_8dataDismissione** **L4_8fabbricante** **L4_8modello** **L4_8matricola** **L4_8tipologia** **L4_8potUtile**

source	<xs:element name="rowAG" type="rowAG" maxOccurs="unbounded"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L5_1flagRegolazioneON L5_1flagSistemaRegolazioneCurvaIntegrata L5_1flagSistemaRegolazioneCurvaIndipendente L5_1valvoleRegolazione L5_1flagRegMultiGrad L5_1flagRegInverter L5_1descrAltriSistRegPrim L5_2 L5_3 L5_4**
annotation	documentation Nei sistemi di regolazione e contabilizzazione si prevede che sia presente un singolo sistema di regolazione (ON/OFF, o a curva integrata o curva indipendente). è previsto che può agire solo un sistema di regolazione e/o una valvola di regolazione alla volta. Sia il sistema di regolazione che la valvola possono essere sostituiti, per cui viene attribuito un numero progressivo automaticamente. I sottoparagrafi 5_2, 5_3, 5_4 della scheda 5 sono opzionali.
source	<xs:element name="scheda_5_sistemi_regolazione_contabilizzazione" minOccurs="0"> <xs:annotation> <xs:documentation> Nei sistemi di regolazione e contabilizzazione si prevede che sia presente un singolo sistema di regolazione (ON/OFF, o a curva integrata o curva indipendente). è previsto che può agire solo un sistema di regolazione e/o una valvola di regolazione alla volta. Sia il sistema di regolazione che la valvola possono

```
essere sostituiti, per cui viene attribuito un numero progressivo automaticamente.
I sottoparagrafi 5_2, 5_3, 5_4 della scheda 5 sono opzionali.
   </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:choice>
        <xs:element name="L5_1flagRegolazioneON" type="xs:boolean" fixed="true"/>
        <xs:element name="L5_1flagSistemaRegolazioneCurvaIntegrata"
type="xs:boolean" fixed="true"/>
        <xs:element name="L5_1flagSistemaRegolazioneCurvaIndipendente"
type="rowSR" maxOccurs="unbounded"/>
      </xs:choice>
      <xs:element name="L5_1valvoleRegolazione" type="rowVR" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="L5_1flagRegMultiGrad" type="xs:boolean"/>
      <xs:element name="L5_1flagRegInverter" type="xs:boolean"/>
      <xs:element name="L5_1descrAltriSistRegPrim" type="xs:string"
minOccurs="0"/>
      <xs:element name="L5_2" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L5_2termostato" type="tipoTermostato"/>
            <xs:element name="L5_2flagValvTermostSI" type="xs:boolean"/>
            <xs:element name="L5_2flagValvDueVieSI" type="xs:boolean"/>
            <xs:element name="L5_2flagValvTreVieSI" type="xs:boolean"/>
            <xs:element name="L5_2note" type="xs:string" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="L5_3" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L5_3flagTeleLetturaSI" type="xs:boolean"/>
            <xs:element name="L5_3flagTeleGestioneSI" type="xs:boolean"/>
            <xs:element name="L5_3descrSistemaIniziale" type="xs:string"
minOccurs="0"/>
            <xs:element name="L5_3SistemaSostituto" minOccurs="0"
maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="L5_3dataSostituzione" type="data"/>
                  <xs:element name="L5_3descrSistemaSost" type="xs:string"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="L5_4" minOccurs="0">
        <xs:annotation>
          <xs:documentation>
Il flag "L5_4ContabilizzazioneUISI" segue la presenza degli attributi alternativi
tra loro: L5_4flagRiscald, L5_4flagRaffresc, L5_4flagACS. Il sistema di
contabilizzazione può essere sostituito e in tal caso compare
L5_4SistemaSostituto.
</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
```

```
            <xs:element name="L5_4ContabilizzazioneUISI" minOccurs="0">
              <xs:complexType>
                <xs:choice minOccurs="1" maxOccurs="3">
                  <xs:element name="L5_4flagRiscald" type="xs:boolean"
fixed="true"/>
                  <xs:element name="L5_4flagRaffresc" type="xs:boolean"
fixed="true"/>
                  <xs:element name="L5_4flagACS" type="xs:boolean" fixed="true"/>
                </xs:choice>
              </xs:complexType>
            </xs:element>
            <xs:element name="L5_4flagSistemaDiretto" type="xs:boolean"/>
            <xs:element name="L5_4descrSistema" type="xs:string" minOccurs="0"/>
            <xs:element name="L5_4SistemaSostituto" minOccurs="0"
maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="L5_4dataSostituzione" type="data"/>
                  <xs:element name="L5_4descrSistemaSost" type="xs:string"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

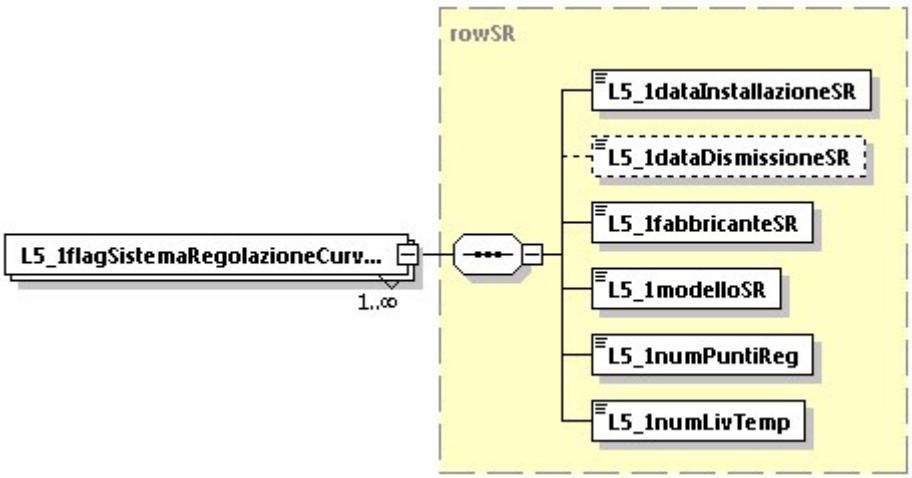
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1flagRegolazioneON**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L5_1flagRegolazioneON" type="xs:boolean" fixed="true"/>`

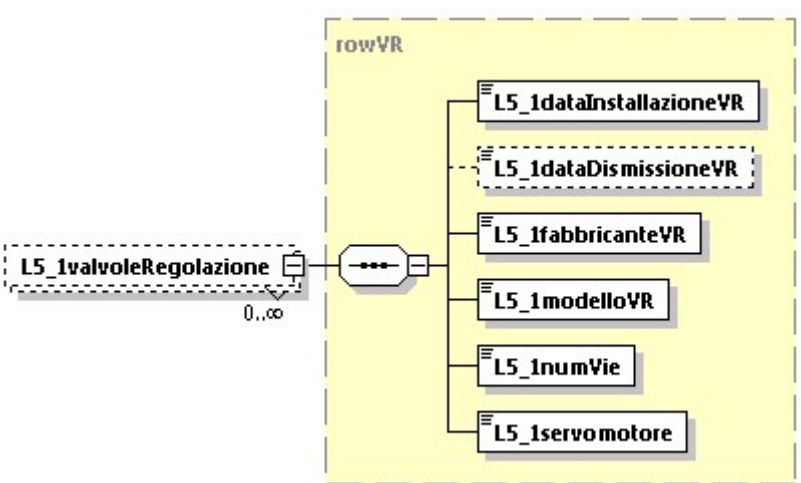
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione /L5_1flagSistemaRegolazioneCurvaIntegrata**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L5_1flagSistemaRegolazioneCurvaIntegrata" type="xs:boolean" fixed="true"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione /L5_1flagSistemaRegolazioneCurvaIndipendente**

diagram	
namespace	libretto
type	**rowSR**
properties	minOcc 1 maxOcc unbounded content complex
children	**L5_1dataInstallazioneSR L5_1dataDismissioneSR L5_1fabbricanteSR L5_1modelloSR L5_1numPuntiReg L5_1numLivTemp**
source	`<xs:element name="L5_1flagSistemaRegolazioneCurvaIndipendente" type="rowSR" maxOccurs="unbounded"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1valvoleRegolazione**

diagram	
namespace	libretto
type	**rowVR**
properties	minOcc 0 maxOcc unbounded content complex
children	**L5_1dataInstallazioneVR L5_1dataDismissioneVR L5_1fabbricanteVR L5_1modelloVR L5_1numVie L5_1servomotore**
source	`<xs:element name="L5_1valvoleRegolazione" type="rowVR" minOccurs="0" maxOccurs="unbounded"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1flagRegMultiGrad**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L5_1flagRegMultiGrad" type="xs:boolean"/>`

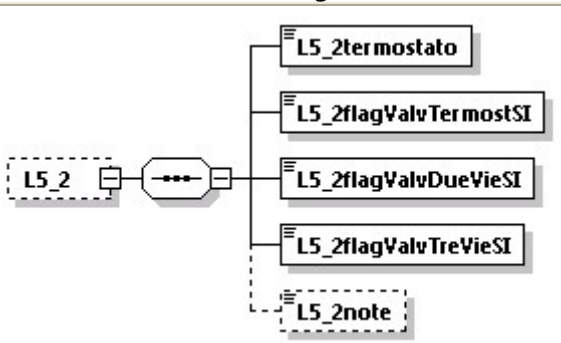
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1flagRegInverter**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L5_1flagRegInverter" type="xs:boolean"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1descrAltriSistRegPrim**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L5_1descrAltriSistRegPrim" type="xs:string" minOccurs="0"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L5_2termostato L5_2flagValvTermostSI L5_2flagValvDueVieSI L5_2flagValvTreVieSI L5_2note**

source	`<xs:element name="L5_2" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L5_2termostato" type="tipoTermostato"/>`

```
      <xs:element name="L5_2flagValvTermostSI" type="xs:boolean"/>
      <xs:element name="L5_2flagValvDueVieSI" type="xs:boolean"/>
      <xs:element name="L5_2flagValvTreVieSI" type="xs:boolean"/>
      <xs:element name="L5_2note" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2/L5_2termostato**

diagram	
namespace	libretto
type	**tipoTermostato**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L5_2termostato" type="tipoTermostato"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2/L5_2flagValvTermostSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L5_2flagValvTermostSI" type="xs:boolean"/>`

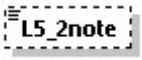
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2/L5_2flagValvDueVieSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L5_2flagValvDueVieSI" type="xs:boolean"/>`

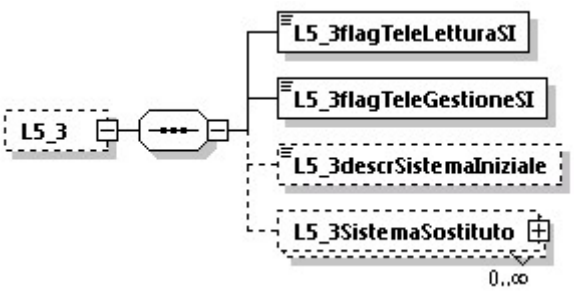
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2/L5_2flagValvTreVieSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L5_2flagValvTreVieSI" type="xs:boolean"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2/L5_2note**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L5_2note" type="xs:string" minOccurs="0"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L5_3flagTeleLetturaSI L5_3flagTeleGestioneSI L5_3descrSistemaIniziale L5_3SistemaSostituto**

source	`<xs:element name="L5_3" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L5_3flagTeleLetturaSI" type="xs:boolean"/>`
	`  <xs:element name="L5_3flagTeleGestioneSI" type="xs:boolean"/>`
	`  <xs:element name="L5_3descrSistemaIniziale" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L5_3SistemaSostituto" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L5_3dataSostituzione" type="data"/>`
	`  <xs:element name="L5_3descrSistemaSost" type="xs:string"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3flagTeleLetturaSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple

source	<xs:element name="L5_3flagTeleLetturaSI" type="xs:boolean"/>

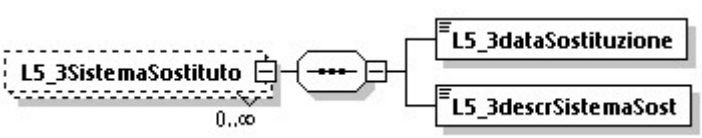
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3flagTeleGestioneSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L5_3flagTeleGestioneSI" type="xs:boolean"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3descrSistemaIniziale**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L5_3descrSistemaIniziale" type="xs:string" minOccurs="0"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3SistemaSostituto**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc unbounded content complex
children	**L5_3dataSostituzione L5_3descrSistemaSost**
source	<xs:element name="L5_3SistemaSostituto" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="L5_3dataSostituzione" type="data"/> <xs:element name="L5_3descrSistemaSost" type="xs:string"/> </xs:sequence> </xs:complexType> </xs:element>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3SistemaSostituto /L5_3dataSostituzione**

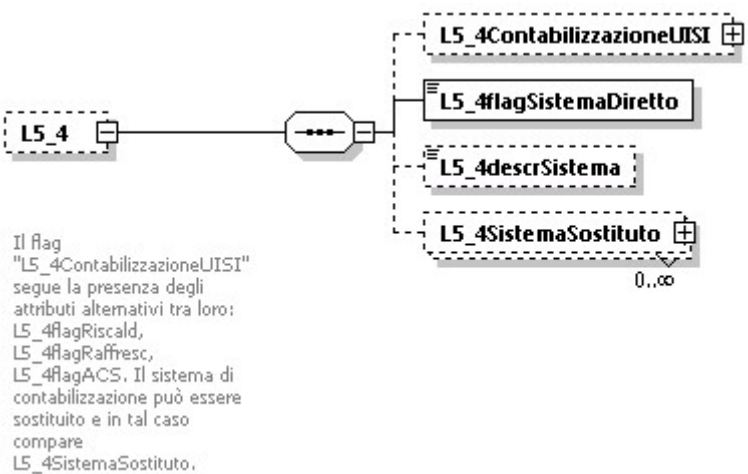
diagram	
namespace	libretto
type	**data**

properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L5_3dataSostituzione" type="data"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3SistemaSostituto /L5_3descrSistemaSost**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L5_3descrSistemaSost" type="xs:string"/>`

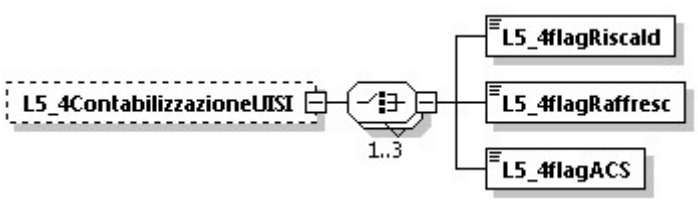
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L5_4ContabilizzazioneUISI L5_4flagSistemaDiretto L5_4descrSistema L5_4SistemaSostituto**
annotation	documentation Il flag "L5_4ContabilizzazioneUISI" segue la presenza degli attributi alternativi tra loro: L5_4flagRiscald, L5_4flagRaffresc, L5_4flagACS. Il sistema di contabilizzazione può essere sostituito e in tal caso compare L5_4SistemaSostituto.

source	`<xs:element name="L5_4" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>`
	`Il flag "L5_4ContabilizzazioneUISI" segue la presenza degli attributi alternativi tra loro: L5_4flagRiscald, L5_4flagRaffresc, L5_4flagACS. Il sistema di contabilizzazione può essere sostituito e in tal caso compare L5_4SistemaSostituto.`
	`</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`

```
      <xs:element name="L5_4ContabilizzazioneUISI" minOccurs="0">
        <xs:complexType>
          <xs:choice minOccurs="1" maxOccurs="3">
            <xs:element name="L5_4flagRiscald" type="xs:boolean" fixed="true"/>
            <xs:element name="L5_4flagRaffresc" type="xs:boolean" fixed="true"/>
            <xs:element name="L5_4flagACS" type="xs:boolean" fixed="true"/>
          </xs:choice>
        </xs:complexType>
      </xs:element>
      <xs:element name="L5_4flagSistemaDiretto" type="xs:boolean"/>
      <xs:element name="L5_4descrSistema" type="xs:string" minOccurs="0"/>
      <xs:element name="L5_4SistemaSostituto" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L5_4dataSostituzione" type="data"/>
            <xs:element name="L5_4descrSistemaSost" type="xs:string"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4ContabilizzazioneUISI**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L5_4flagRiscald L5_4flagRaffresc L5_4flagACS**

source	`<xs:element name="L5_4ContabilizzazioneUISI" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:choice minOccurs="1" maxOccurs="3">`
	`  <xs:element name="L5_4flagRiscald" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L5_4flagRaffresc" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L5_4flagACS" type="xs:boolean" fixed="true"/>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4ContabilizzazioneUISI /L5_4flagRiscald**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true

source	<xs:element name="L5_4flagRiscald" type="xs:boolean" fixed="true"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4ContabilizzazioneUISI/L5_4flagRaffresc**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L5_4flagRaffresc" type="xs:boolean" fixed="true"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4ContabilizzazioneUISI/L5_4flagACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L5_4flagACS" type="xs:boolean" fixed="true"/>

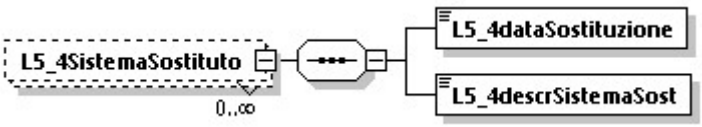
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4flagSistemaDiretto**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L5_4flagSistemaDiretto" type="xs:boolean"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4descrSistema**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L5_4descrSistema" type="xs:string" minOccurs="0"/>

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4SistemaSostituto**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc unbounded content complex
children	**L5_4dataSostituzione L5_4descrSistemaSost**

source	`<xs:element name="L5_4SistemaSostituto" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L5_4dataSostituzione" type="data"/>`
	`  <xs:element name="L5_4descrSistemaSost" type="xs:string"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

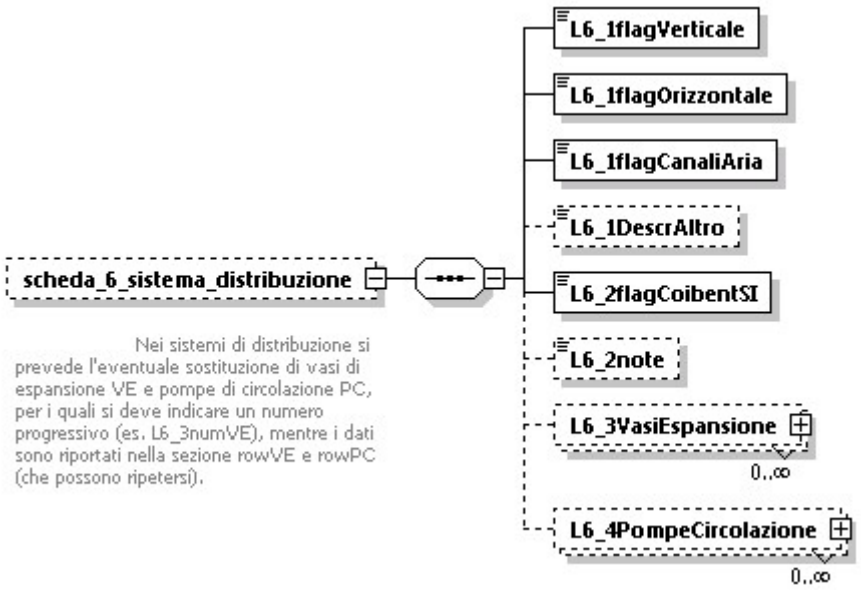
element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4SistemaSostituto /L5_4dataSostituzione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L5_4dataSostituzione" type="data"/>`

element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4SistemaSostituto /L5_4descrSistemaSost**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L5_4descrSistemaSost" type="xs:string"/>`

element **impianto/scheda_6_sistema_distribuzione**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L6_1flagVerticale L6_1flagOrizzontale L6_1flagCanaliAria L6_1DescrAltro L6_2flagCoibentSI L6_2note L6_3VasiEspansione L6_4PompeCircolazione**
annotation	documentation Nei sistemi di distribuzione si prevede l'eventuale sostituzione di vasi di espansione VE e pompe di circolazione PC, per i quali si deve indicare un numero progressivo (es. L6_3numVE), mentre i dati sono riportati nella sezione rowVE e rowPC (che possono ripetersi).

source

```
<xs:element name="scheda_6_sistema_distribuzione" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                    Nei sistemi di distribuzione si prevede l'eventuale
sostituzione di vasi di espansione VE e pompe di circolazione PC, per i quali si
deve indicare un numero progressivo (es. L6_3numVE), mentre i dati sono riportati
nella sezione rowVE e rowPC (che possono ripetersi).
                     </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L6_1flagVerticale" type="xs:boolean"/>
      <xs:element name="L6_1flagOrizzontale" type="xs:boolean"/>
      <xs:element name="L6_1flagCanaliAria" type="xs:boolean"/>
      <xs:element name="L6_1DescrAltro" type="xs:string" minOccurs="0"/>
      <xs:element name="L6_2flagCoibentSI" type="xs:boolean"/>
      <xs:element name="L6_2note" type="xs:string" minOccurs="0"/>
      <xs:element name="L6_3VasiEspansione" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L6_3numVE" type="xs:integer"/>
            <xs:element name="rowVE" type="rowVE" minOccurs="1"
maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
```

```
      <xs:element name="L6_4PompeCircolazione" minOccurs="0"
maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L6_4numPC" type="xs:integer"/>
            <xs:element name="rowPC" type="rowPC" minOccurs="1"
maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_6_sistema_distribuzione/L6_1flagVerticale**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L6_1flagVerticale" type="xs:boolean"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_1flagOrizzontale**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L6_1flagOrizzontale" type="xs:boolean"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_1flagCanaliAria**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L6_1flagCanaliAria" type="xs:boolean"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_1DescrAltro**

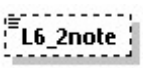
diagram	
namespace	libretto
type	**xs:string**

properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L6_1DescrAltro" type="xs:string" minOccurs="0"/>`

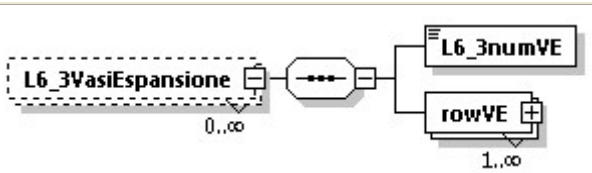
element **impianto/scheda_6_sistema_distribuzione/L6_2flagCoibentSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L6_2flagCoibentSI" type="xs:boolean"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_2note**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L6_2note" type="xs:string" minOccurs="0"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_3VasiEspansione**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc unbounded content complex
children	**L6_3numVE** **rowVE**

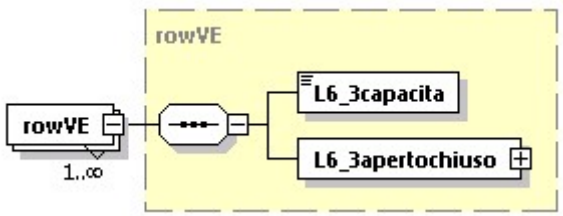
source	`<xs:element name="L6_3VasiEspansione" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L6_3numVE" type="xs:integer"/>`
	`  <xs:element name="rowVE" type="rowVE" minOccurs="1" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_6_sistema_distribuzione/L6_3VasiEspansione/L6_3numVE**

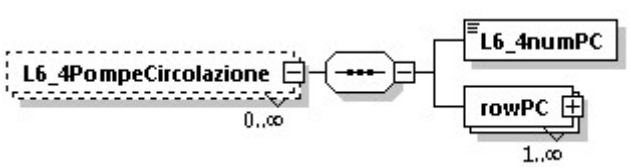
diagram	

namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L6_3numVE" type="xs:integer"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_3VasiEspansione/rowVE**

diagram	
namespace	libretto
type	**rowVE**
properties	minOcc 1 maxOcc unbounded content complex
children	**L6_3capacita** **L6_3apertochiuso**
source	`<xs:element name="rowVE" type="rowVE" minOccurs="1" maxOccurs="unbounded"/>`

element **impianto/scheda_6_sistema_distribuzione/L6_4PompeCircolazione**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc unbounded content complex
children	**L6_4numPC** **rowPC**

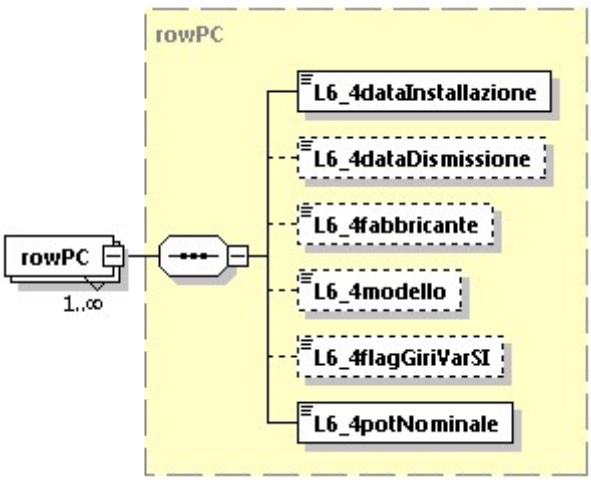
source	`<xs:element name="L6_4PompeCircolazione" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L6_4numPC" type="xs:integer"/>`
	`  <xs:element name="rowPC" type="rowPC" minOccurs="1" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_6_sistema_distribuzione/L6_4PompeCircolazione/L6_4numPC**

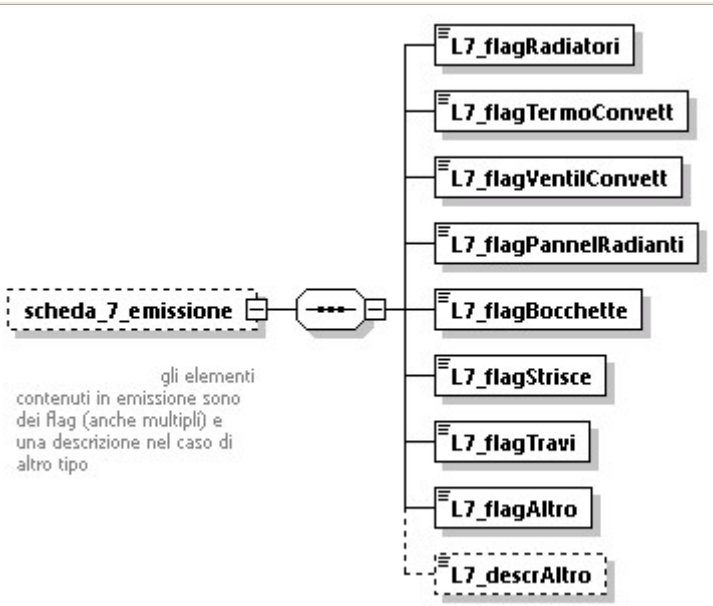
diagram	
namespace	libretto
type	**xs:integer**

properties	content simple
source	<xs:element name="L6_4numPC" type="xs:integer"/>

element **impianto/scheda_6_sistema_distribuzione/L6_4PompeCircolazione/rowPC**

diagram	
namespace	libretto
type	**rowPC**
properties	minOcc 1 maxOcc unbounded content complex
children	**L6_4dataInstallazione L6_4dataDismissione L6_4fabbricante L6_4modello L6_4flagGiriVarSI L6_4potNominale**
source	<xs:element name="rowPC" type="rowPC" minOccurs="1" maxOccurs="unbounded"/>

element **impianto/scheda_7_emissione**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**L7_flagRadiatori L7_flagTermoConvett L7_flagVentilConvett L7_flagPannelRadianti L7_flagBocchette L7_flagStrisce L7_flagTravi L7_flagAltro L7_descrAltro**

annotation	documentation gli elementi contenuti in emissione sono dei flag (anche multipli) e una descrizione nel caso di altro tipo

source

```
<xs:element name="scheda_7_emissione" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                        gli elementi contenuti in emissione sono dei flag (anche
multipli) e una descrizione nel caso di altro tipo
                    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L7_flagRadiatori" type="xs:boolean"/>
      <xs:element name="L7_flagTermoConvett" type="xs:boolean"/>
      <xs:element name="L7_flagVentilConvett" type="xs:boolean"/>
      <xs:element name="L7_flagPannelRadianti" type="xs:boolean"/>
      <xs:element name="L7_flagBocchette" type="xs:boolean"/>
      <xs:element name="L7_flagStrisce" type="xs:boolean"/>
      <xs:element name="L7_flagTravi" type="xs:boolean"/>
      <xs:element name="L7_flagAltro" type="xs:boolean"/>
      <xs:element name="L7_descrAltro" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_7_emissione/L7_flagRadiatori**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L7_flagRadiatori" type="xs:boolean"/>`

element **impianto/scheda_7_emissione/L7_flagTermoConvett**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L7_flagTermoConvett" type="xs:boolean"/>`

element **impianto/scheda_7_emissione/L7_flagVentilConvett**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple

source	<xs:element name="L7_flagVentilConvett" type="xs:boolean"/>

element **impianto/scheda_7_emissione/L7_flagPannelRadianti**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L7_flagPannelRadianti" type="xs:boolean"/>

element **impianto/scheda_7_emissione/L7_flagBocchette**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L7_flagBocchette" type="xs:boolean"/>

element **impianto/scheda_7_emissione/L7_flagStrisce**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L7_flagStrisce" type="xs:boolean"/>

element **impianto/scheda_7_emissione/L7_flagTravi**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L7_flagTravi" type="xs:boolean"/>

element **impianto/scheda_7_emissione/L7_flagAltro**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple

source	<xs:element name="L7_flagAltro" type="xs:boolean"/>

element **impianto/scheda_7_emissione/L7_descrAltro**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L7_descrAltro" type="xs:string" minOccurs="0"/>

element **impianto/scheda_8_sistema_accumulo**

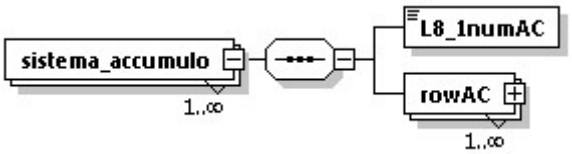
diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**sistema_accumulo**
annotation	documentation sistemi di accumulo se non incorporati nel gruppo termico la scheda prevede la sostituzione del singolo gruppo di accumulo numerato progressivamente, mentre i dati sono riportati in rowAC

source

```
<xs:element name="scheda_8_sistema_accumulo" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                        sistemi di accumulo se non incorporati nel gruppo termico
                        la scheda prevede la sostituzione del singolo gruppo di
accumulo numerato progressivamente, mentre i dati sono riportati in rowAC
                    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="sistema_accumulo" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L8_1numAC" type="xs:integer"/>
            <xs:element name="rowAC" type="rowAC" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

	</xs:element>

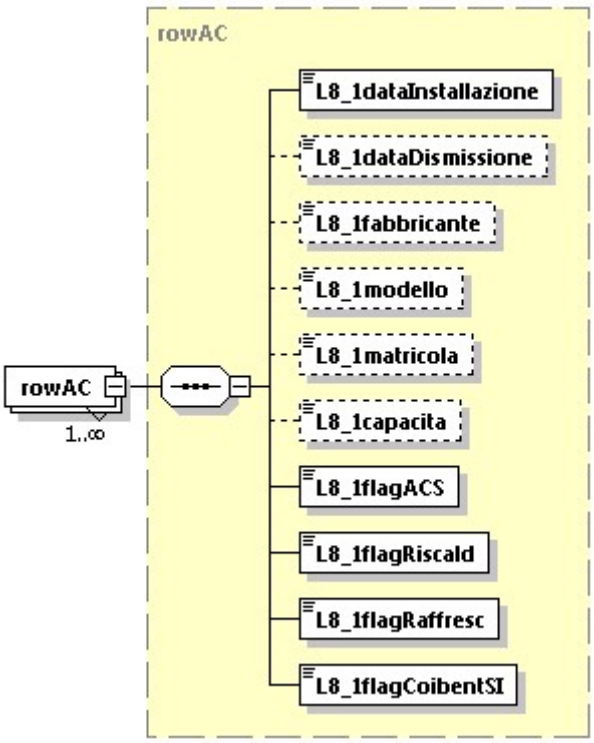
element **impianto/scheda_8_sistema_accumulo/sistema_accumulo**

diagram	
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L8_1numAC** **rowAC**
source	<xs:element name="sistema_accumulo" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="L8_1numAC" type="xs:integer"/> <xs:element name="rowAC" type="rowAC" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

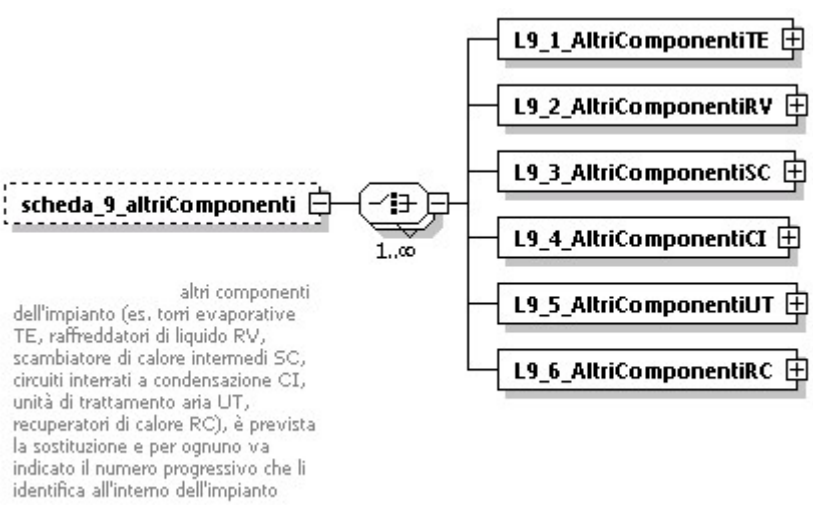
element **impianto/scheda_8_sistema_accumulo/sistema_accumulo/L8_1numAC**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L8_1numAC" type="xs:integer"/>

element **impianto/scheda_8_sistema_accumulo/sistema_accumulo/rowAC**

diagram	
namespace	libretto
type	**rowAC**
properties	minOcc 1 maxOcc unbounded content complex
children	**L8_1dataInstallazione L8_1dataDismissione L8_1fabbricante L8_1modello L8_1matricola L8_1capacita L8_1flagACS L8_1flagRiscald L8_1flagRaffresc L8_1flagCoibentSI**
source	`<xs:element name="rowAC" type="rowAC" maxOccurs="unbounded"/>`

element **impianto/scheda_9_altriComponenti**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex

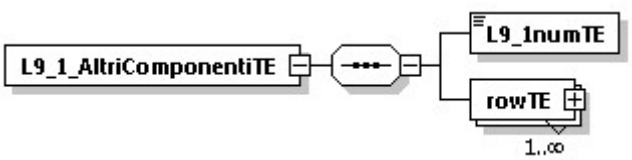
children	**L9_1_AltriComponentiTE L9_2_AltriComponentiRV L9_3_AltriComponentiSC L9_4_AltriComponentiCI L9_5_AltriComponentiUT L9_6_AltriComponentiRC**
annotation	documentation altri componenti dell'impianto (es. torri evaporative TE, raffreddatori di liquido RV, scambiatore di calore intermedi SC, circuiti interrati a condensazione CI, unità di trattamento aria UT, recuperatori di calore RC), è prevista la sostituzione e per ognuno va indicato il numero progressivo che li identifica all'interno dell'impianto

source

```
<xs:element name="scheda_9_altriComponenti" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
altri componenti dell'impianto (es. torri evaporative TE, raffreddatori di liquido
RV, scambiatore di calore intermedi SC, circuiti interrati a condensazione CI,
unità di trattamento aria UT, recuperatori di calore RC), è prevista la
sostituzione e per ognuno va indicato il numero progressivo che li identifica
all'interno dell'impianto
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice maxOccurs="unbounded">
      <xs:element name="L9_1_AltriComponentiTE">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L9_1numTE" type="xs:integer"/>
            <xs:element name="rowTE" type="rowTE" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="L9_2_AltriComponentiRV">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L9_2numRV" type="xs:integer"/>
            <xs:element name="rowRV" type="rowRV" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="L9_3_AltriComponentiSC">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L9_3numSCcal" type="xs:integer"/>
            <xs:element name="rowSCcal" type="rowSCcal" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="L9_4_AltriComponentiCI">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L9_4numCI" type="xs:integer"/>
            <xs:element name="rowCI" type="rowCI" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="L9_5_AltriComponentiUT">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L9_5numUT" type="xs:integer"/>
            <xs:element name="rowUT" type="rowUT" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
```

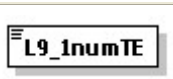
```
      </xs:element>
      <xs:element name="L9_6_AltriComponentiRC">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L9_6numRCcal" type="xs:integer"/>
            <xs:element name="rowRCcal" type="rowRCcal" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_9_altriComponenti/L9_1_AltriComponentiTE**

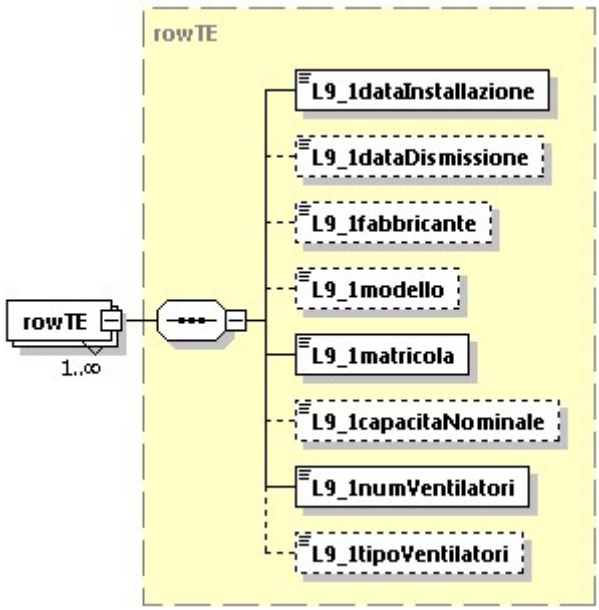
diagram	
namespace	libretto
properties	content complex
children	**L9_1numTE rowTE**

source	`<xs:element name="L9_1_AltriComponentiTE">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L9_1numTE" type="xs:integer"/>`
	`  <xs:element name="rowTE" type="rowTE" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

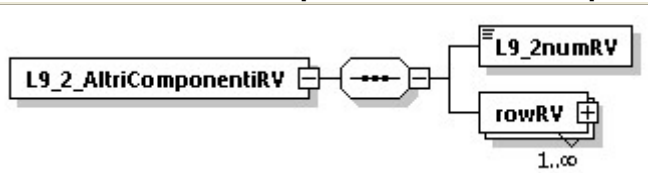
element **impianto/scheda_9_altriComponenti/L9_1_AltriComponentiTE/L9_1numTE**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_1numTE" type="xs:integer"/>`

element **impianto/scheda_9_altriComponenti/L9_1_AltriComponentiTE/rowTE**

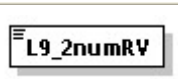
diagram	
namespace	libretto
type	**rowTE**
properties	minOcc 1 maxOcc unbounded content complex
children	**L9_1dataInstallazione L9_1dataDismissione L9_1fabbricante L9_1modello L9_1matricola L9_1capacitaNominale L9_1numVentilatori L9_1tipoVentilatori**
source	`<xs:element name="rowTE" type="rowTE" maxOccurs="unbounded"/>`

element **impianto/scheda_9_altriComponenti/L9_2_AltriComponentiRV**

diagram	
namespace	libretto
properties	content complex
children	**L9_2numRV rowRV**

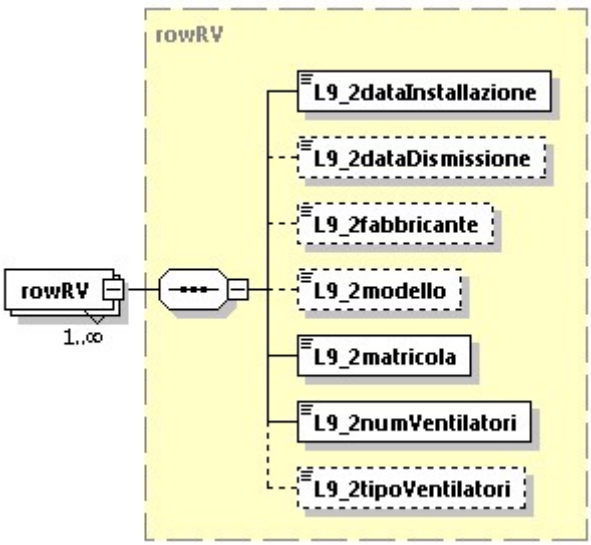
source	`<xs:element name="L9_2_AltriComponentiRV">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L9_2numRV" type="xs:integer"/>`
	`  <xs:element name="rowRV" type="rowRV" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_9_altriComponenti/L9_2_AltriComponentiRV/L9_2numRV**

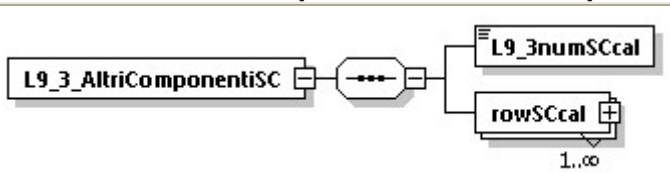
diagram	
namespace	libretto

type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_2numRV" type="xs:integer"/>`

element **impianto/scheda_9_altriComponenti/L9_2_AltriComponentiRV/rowRV**

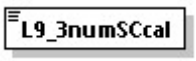
diagram	
namespace	libretto
type	**rowRV**
properties	minOcc 1 maxOcc unbounded content complex
children	**L9_2dataInstallazione L9_2dataDismissione L9_2fabbricante L9_2modello L9_2matricola L9_2numVentilatori L9_2tipoVentilatori**
source	`<xs:element name="rowRV" type="rowRV" maxOccurs="unbounded"/>`

element **impianto/scheda_9_altriComponenti/L9_3_AltriComponentiSC**

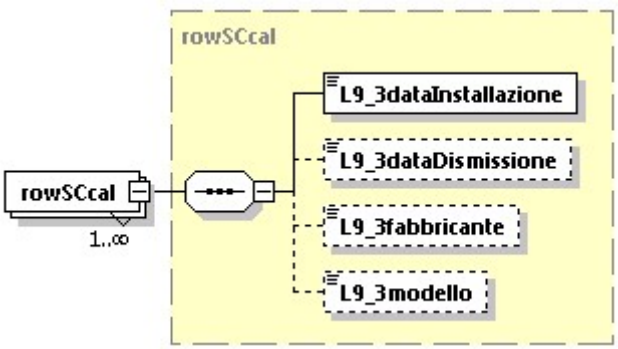
diagram	
namespace	libretto
properties	content complex
children	**L9_3numSCcal rowSCcal**

source	`<xs:element name="L9_3_AltriComponentiSC">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L9_3numSCcal" type="xs:integer"/>`
	`  <xs:element name="rowSCcal" type="rowSCcal" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

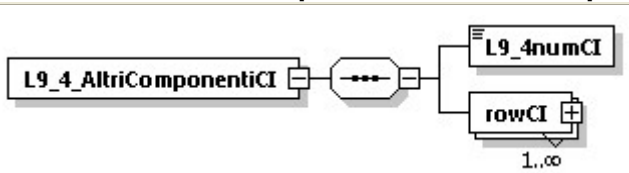
element **impianto/scheda_9_altriComponenti/L9_3_AltriComponentiSC/L9_3numSCcal**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_3numSCcal" type="xs:integer"/>`

element **impianto/scheda_9_altriComponenti/L9_3_AltriComponentiSC/rowSCcal**

diagram	
namespace	libretto
type	**rowSCcal**
properties	minOcc 1 maxOcc unbounded content complex
children	**L9_3dataInstallazione L9_3dataDismissione L9_3fabbricante L9_3modello**
source	`<xs:element name="rowSCcal" type="rowSCcal" maxOccurs="unbounded"/>`

element **impianto/scheda_9_altriComponenti/L9_4_AltriComponentiCI**

diagram	
namespace	libretto
properties	content complex
children	**L9_4numCI rowCI**

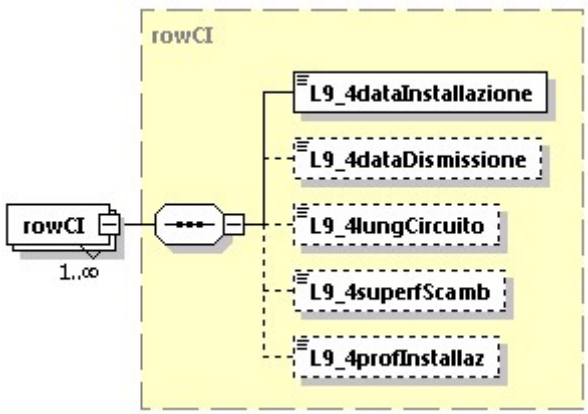
source	`<xs:element name="L9_4_AltriComponentiCI">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L9_4numCI" type="xs:integer"/>`
	`  <xs:element name="rowCI" type="rowCI" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_9_altriComponenti/L9_4_AltriComponentiCI/L9_4numCI**

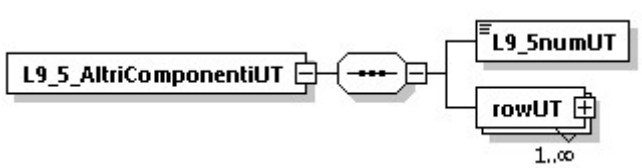
diagram	

namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_4numCI" type="xs:integer"/>`

element **impianto/scheda_9_altriComponenti/L9_4_AltriComponentiCI/rowCI**

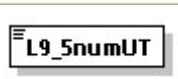
diagram	
namespace	libretto
type	**rowCI**
properties	minOcc 1 maxOcc unbounded content complex
children	**L9_4dataInstallazione L9_4dataDismissione L9_4lungCircuito L9_4superfScamb L9_4profInstallaz**
source	`<xs:element name="rowCI" type="rowCI" maxOccurs="unbounded"/>`

element **impianto/scheda_9_altriComponenti/L9_5_AltriComponentiUT**

diagram	
namespace	libretto
properties	content complex
children	**L9_5numUT rowUT**

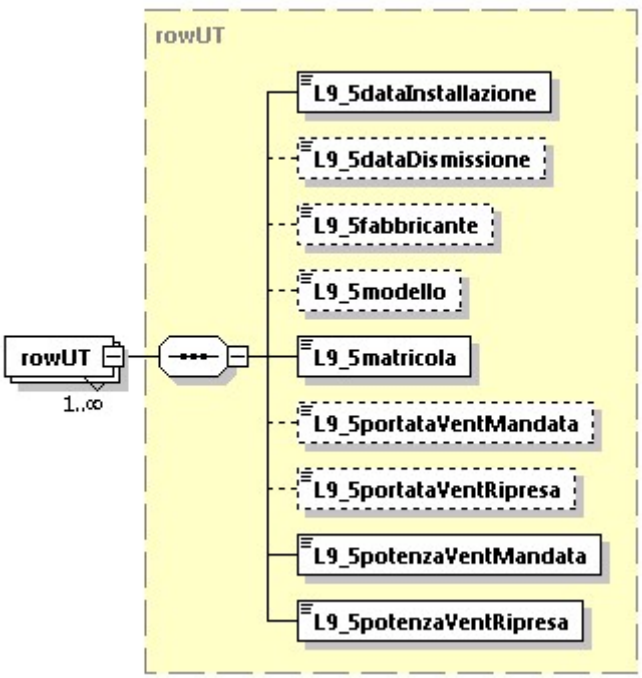
source	`<xs:element name="L9_5_AltriComponentiUT">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L9_5numUT" type="xs:integer"/>`
	`  <xs:element name="rowUT" type="rowUT" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_9_altriComponenti/L9_5_AltriComponentiUT/L9_5numUT**

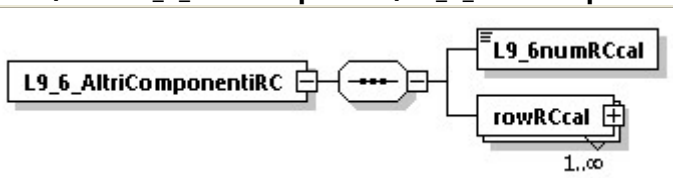
diagram	

namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_5numUT" type="xs:integer"/>`

element **impianto/scheda_9_altriComponenti/L9_5_AltriComponentiUT/rowUT**

diagram	
namespace	libretto
type	**rowUT**
properties	minOcc 1 maxOcc unbounded content complex
children	**L9_5dataInstallazione L9_5dataDismissione L9_5fabbricante L9_5modello L9_5matricola L9_5portataVentMandata L9_5portataVentRipresa L9_5potenzaVentMandata L9_5potenzaVentRipresa**
source	`<xs:element name="rowUT" type="rowUT" maxOccurs="unbounded"/>`

element **impianto/scheda_9_altriComponenti/L9_6_AltriComponentiRC**

diagram	
namespace	libretto
properties	content complex
children	**L9_6numRCcal rowRCcal**

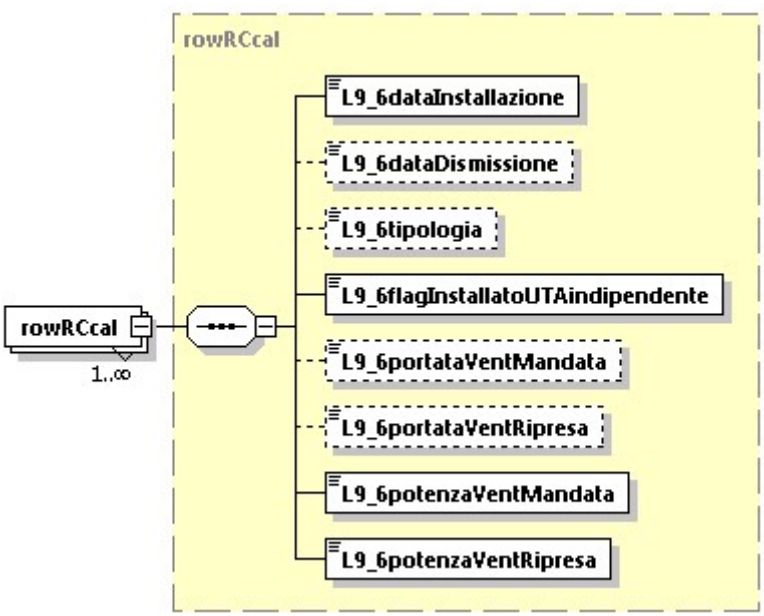
source	`<xs:element name="L9_6_AltriComponentiRC">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L9_6numRCcal" type="xs:integer"/>`
	`  <xs:element name="rowRCcal" type="rowRCcal" maxOccurs="unbounded"/>`

```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

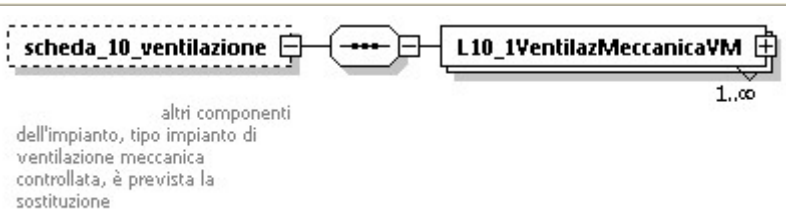
element **impianto/scheda_9_altriComponenti/L9_6_AltriComponentiRC/L9_6numRCcal**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_6numRCcal" type="xs:integer"/>`

element **impianto/scheda_9_altriComponenti/L9_6_AltriComponentiRC/rowRCcal**

diagram	
namespace	libretto
type	**rowRCcal**
properties	minOcc 1 maxOcc unbounded content complex
children	**L9_6dataInstallazione L9_6dataDismissione L9_6tipologia L9_6flagInstallatoUTAindipendente L9_6portataVentMandata L9_6portataVentRipresa L9_6potenzaVentMandata L9_6potenzaVentRipresa**
source	`<xs:element name="rowRCcal" type="rowRCcal" maxOccurs="unbounded"/>`

element **impianto/scheda_10_ventilazione**

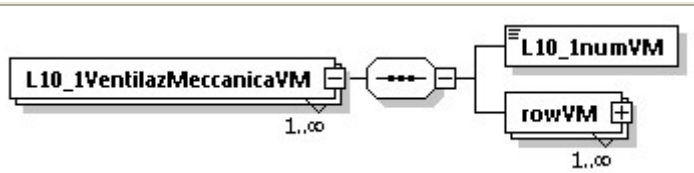
diagram	
namespace	libretto

properties	minOcc 0 maxOcc 1 content complex
children	**L10_1VentilazMeccanicaVM**
annotation	documentation altri componenti dell'impianto, tipo impianto di ventilazione meccanica controllata, è prevista la sostituzione

source

```
<xs:element name="scheda_10_ventilazione" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                        altri componenti dell'impianto, tipo impianto di
ventilazione meccanica controllata, è prevista la sostituzione
                    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L10_1VentilazMeccanicaVM" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L10_1numVM" type="xs:integer"/>
            <xs:element name="rowVM" type="rowVM" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

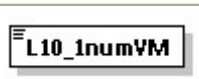
element **impianto/scheda_10_ventilazione/L10_1VentilazMeccanicaVM**

diagram	
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L10_1numVM** **rowVM**

source

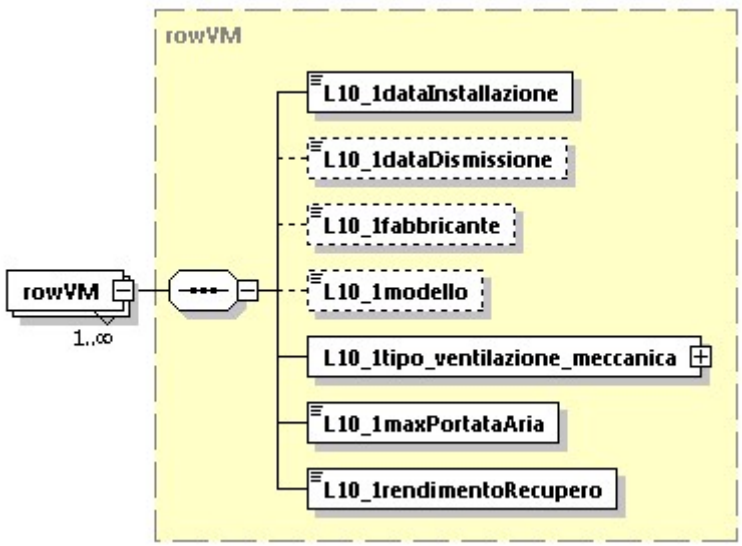
```
<xs:element name="L10_1VentilazMeccanicaVM" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L10_1numVM" type="xs:integer"/>
      <xs:element name="rowVM" type="rowVM" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_10_ventilazione/L10_1VentilazMeccanicaVM/L10_1numVM**

diagram	

namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L10_1numVM" type="xs:integer"/>`

element **impianto/scheda_10_ventilazione/L10_1VentilazMeccanicaVM/rowVM**

diagram	
namespace	libretto
type	**rowVM**
properties	minOcc 1 maxOcc unbounded content complex
children	**L10_1dataInstallazione L10_1dataDismissione L10_1fabbricante L10_1modello L10_1tipo_ventilazione_meccanica L10_1maxPortataAria L10_1rendimentoRecupero**
source	`<xs:element name="rowVM" type="rowVM" maxOccurs="unbounded"/>`

element **impianto/scheda_11_1_VerificaGruppiTermici**

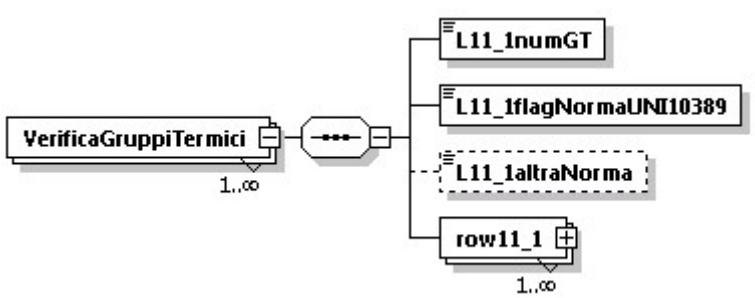
diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**VerificaGruppiTermici**
annotation	documentation risultati della verifica effettuata dall'installatore e delle verifiche periodiche successive effettuate dal manutentore su gruppi termici/caldaie

source

```
<xs:element name="scheda_11_1_VerificaGruppiTermici" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                        risultati della verifica effettuata dall'installatore e
delle verifiche periodiche successive effettuate dal manutentore su gruppi
termici/caldaie
                    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="VerificaGruppiTermici" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L11_1numGT" type="xs:integer"/>
            <xs:element name="L11_1flagNormaUNI10389" type="xs:boolean"/>
            <xs:element name="L11_1altraNorma" type="xs:string" minOccurs="0"/>
            <xs:element name="row11_1" type="row11_1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_11_1_VerificaGruppiTermici/VerificaGruppiTermici**

diagram



namespace: libretto

properties:
minOcc 1
maxOcc unbounded
content complex

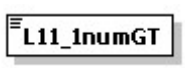
children: **L11_1numGT** **L11_1flagNormaUNI10389** **L11_1altraNorma** **row11_1**

source

```
<xs:element name="VerificaGruppiTermici" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L11_1numGT" type="xs:integer"/>
      <xs:element name="L11_1flagNormaUNI10389" type="xs:boolean"/>
      <xs:element name="L11_1altraNorma" type="xs:string" minOccurs="0"/>
      <xs:element name="row11_1" type="row11_1" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_11_1_VerificaGruppiTermici/VerificaGruppiTermici/L11_1numGT**

diagram



namespace: libretto

type	**xs:integer**
properties	content simple
source	<xs:element name="L11_1numGT" type="xs:integer"/>

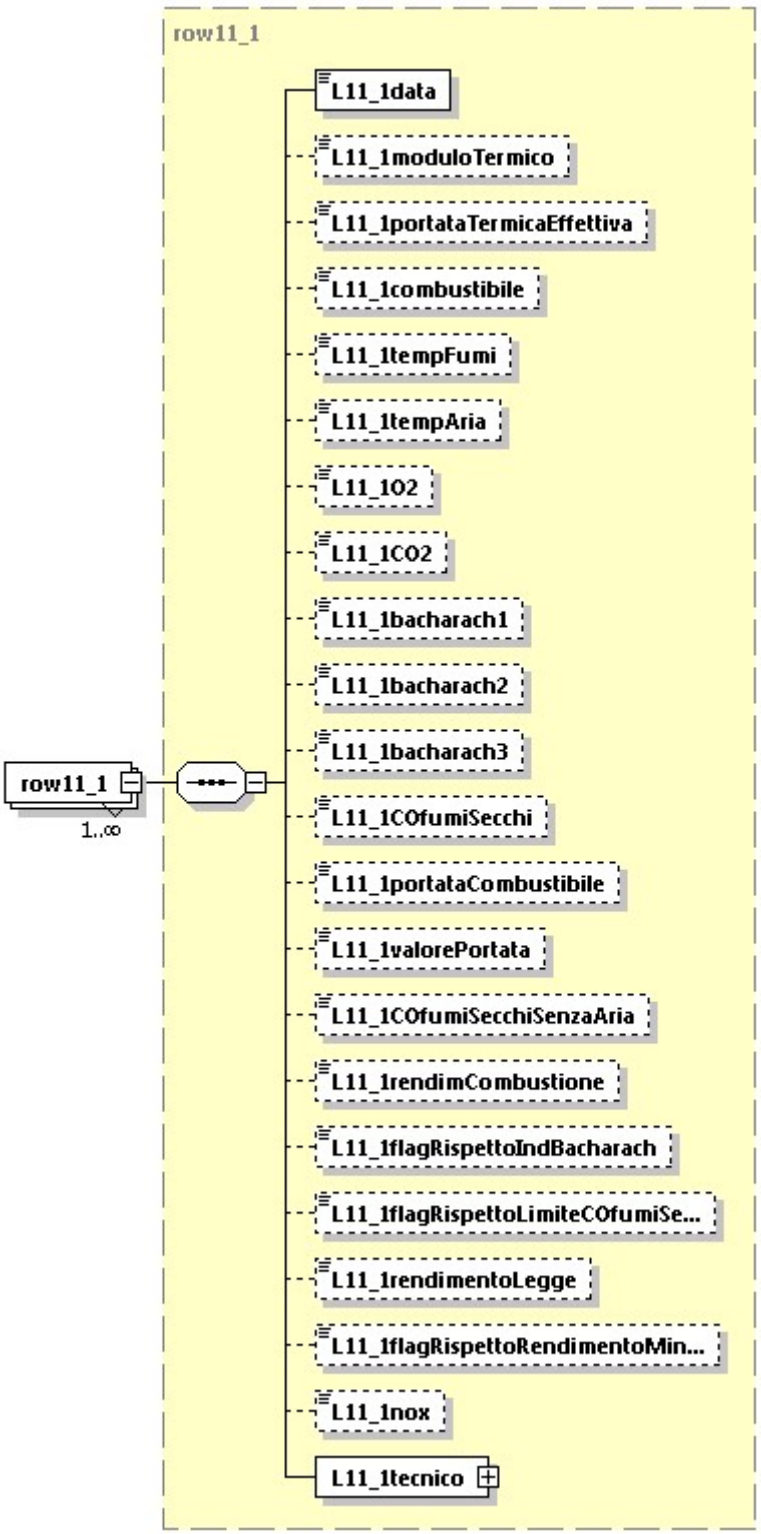
element **impianto/scheda_11_1_VerificaGruppiTermici/VerificaGruppiTermici/L11_1flagNormaUNI10389**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L11_1flagNormaUNI10389" type="xs:boolean"/>

element **impianto/scheda_11_1_VerificaGruppiTermici/VerificaGruppiTermici/L11_1altraNorma**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1altraNorma" type="xs:string" minOccurs="0"/>

element **impianto/scheda_11_1_VerificaGruppiTermici/VerificaGruppiTermici/row11_1**

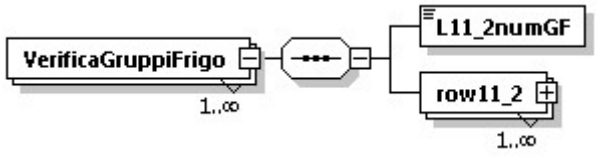
diagram	
namespace	libretto
type	**row11_1**
properties	minOcc 1 maxOcc unbounded content complex
children	**L11_1data L11_1moduloTermico L11_1portataTermicaEffettiva L11_1combustibile L11_1tempFumi L11_1tempAria L11_1O2 L11_1CO2 L11_1bacharach1 L11_1bacharach2 L11_1bacharach3 L11_1COfumiSecchi L11_1portataCombustibile L11_1valorePortata L11_1COfumiSecchiSenzaAria L11_1rendimCombustione L11_1flagRispettoIndBacharach L11_1flagRispettoLimiteCOfumiSecchi L11_1rendimentoLegge L11_1flagRispettoRendimentoMinimo L11_1nox L11_1tecnico**

source	<xs:element name="row11_1" type="row11_1" maxOccurs="unbounded"/>

element **impianto/scheda_11_2_VerificaGruppiFrigo**

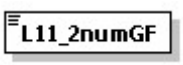
diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**VerificaGruppiFrigo**
annotation	documentation risultati della verifica effettuata dall'installatore e delle verifiche periodiche successive effettuate dal manutentore su gruppi frigoriferi/pompe di calore
source	<xs:element name="scheda_11_2_VerificaGruppiFrigo" minOccurs="0"> <xs:annotation> <xs:documentation> risultati della verifica effettuata dall'installatore e delle verifiche periodiche successive effettuate dal manutentore su gruppi frigoriferi/pompe di calore </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="VerificaGruppiFrigo" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="L11_2numGF" type="xs:integer"/> <xs:element name="row11_2" type="row11_2" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **impianto/scheda_11_2_VerificaGruppiFrigo/VerificaGruppiFrigo**

diagram	
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L11_2numGF** **row11_2**

source	<xs:element name="VerificaGruppiFrigo" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="L11_2numGF" type="xs:integer"/> <xs:element name="row11_2" type="row11_2" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **impianto/scheda_11_2_VerificaGruppiFrigo/VerificaGruppiFrigo/L11_2numGF**

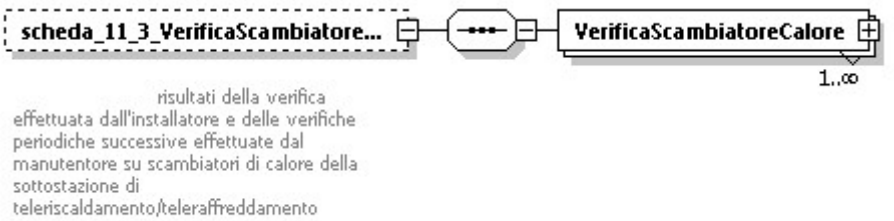
diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L11_2numGF" type="xs:integer"/>

element **impianto/scheda_11_2_VerificaGruppiFrigo/VerificaGruppiFrigo/row11_2**

diagram	
namespace	libretto
type	**row11_2**
properties	minOcc 1 maxOcc unbounded content complex

children	**L11_2data L11_2flagAssenzaPerdite L11_2flagRaffrescamento L11_2flagRiscaldamento L11_2numCircuito L11_2surrisc L11_2tSottoRaffr L11_2tCondens L11_2tEvaporaz L11_2tIngLatoEst L11_2tUscLatoEst L11_2tIngLatoUtenze L11_2tUscLatoUtenze L11_2tUscFluido L11_2tBulboUmido L11_2tIngFluidoSorg L11_2tUscFluidoSorg L11_2tIngFluidoMacc L11_2tUscFluidoMacc L11_2potenzaAss L11_2flagFiltriPuliti L11_2flagVerificaSuperata L11_2dataRipristino L11_2tecnico**
source	`<xs:element name="row11_2" type="row11_2" maxOccurs="unbounded"/>`

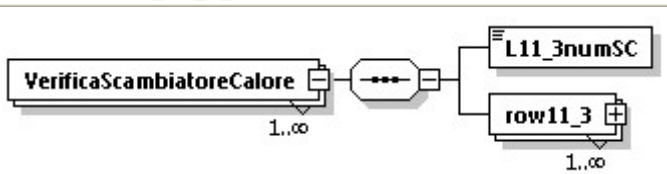
element **impianto/scheda_11_3_VerificaScambiatoreCalore**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**VerificaScambiatoreCalore**
annotation	documentation risultati della verifica effettuata dall'installatore e delle verifiche periodiche successive effettuate dal manutentore su scambiatori di calore della sottostazione di teleriscaldamento/teleraffreddamento

source

```
<xs:element name="scheda_11_3_VerificaScambiatoreCalore" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                        risultati della verifica effettuata dall'installatore e
delle verifiche periodiche successive effettuate dal manutentore su scambiatori di
calore della sottostazione di teleriscaldamento/teleraffreddamento
                        </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="VerificaScambiatoreCalore" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L11_3numSC" type="xs:integer"/>
            <xs:element name="row11_3" type="row11_3" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

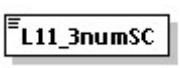
element **impianto/scheda_11_3_VerificaScambiatoreCalore/VerificaScambiatoreCalore**

diagram	

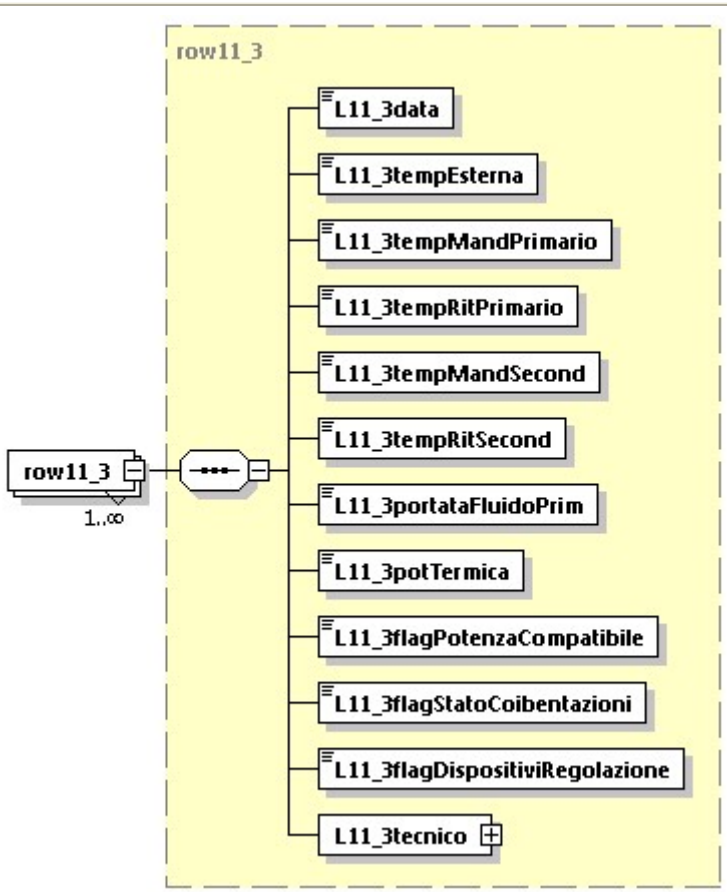
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L11_3numSC** **row11_3**

source	`<xs:element name="VerificaScambiatoreCalore" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L11_3numSC" type="xs:integer"/>`
	`  <xs:element name="row11_3" type="row11_3" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_11_3_VerificaScambiatoreCalore/VerificaScambiatoreCalore/L11_3numSC**

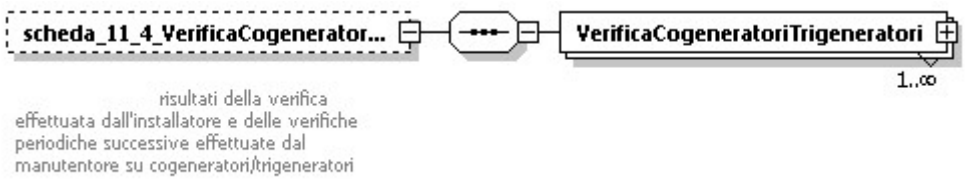
diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_3numSC" type="xs:integer"/>`

element **impianto/scheda_11_3_VerificaScambiatoreCalore/VerificaScambiatoreCalore/row11_3**

diagram	
namespace	libretto
type	**row11_3**

properties	minOcc 1 maxOcc unbounded content complex
children	**L11_3data L11_3tempEsterna L11_3tempMandPrimario L11_3tempRitPrimario L11_3tempMandSecond L11_3tempRitSecond L11_3portataFluidoPrim L11_3potTermica L11_3flagPotenzaCompatibile L11_3flagStatoCoibentazioni L11_3flagDispositiviRegolazione L11_3tecnico**
source	`<xs:element name="row11_3" type="row11_3" maxOccurs="unbounded"/>`

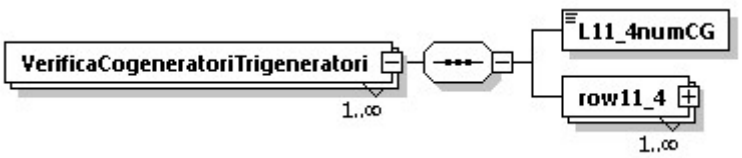
element **impianto/scheda_11_4_VerificaCogeneratoriTrigeneratori**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**VerificaCogeneratoriTrigeneratori**
annotation	documentation risultati della verifica effettuata dall'installatore e delle verifiche periodiche successive effettuate dal manutentore su cogeneratori/trigeneratori

source

```
<xs:element name="scheda_11_4_VerificaCogeneratoriTrigeneratori" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
                        risultati della verifica effettuata dall'installatore e
delle verifiche periodiche successive effettuate dal manutentore su
cogeneratori/trigeneratori
                    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="VerificaCogeneratoriTrigeneratori" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="L11_4numCG" type="xs:integer"/>
            <xs:element name="row11_4" type="row11_4" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_11_4_VerificaCogeneratoriTrigeneratori/VerificaCogeneratoriTrigeneratori**

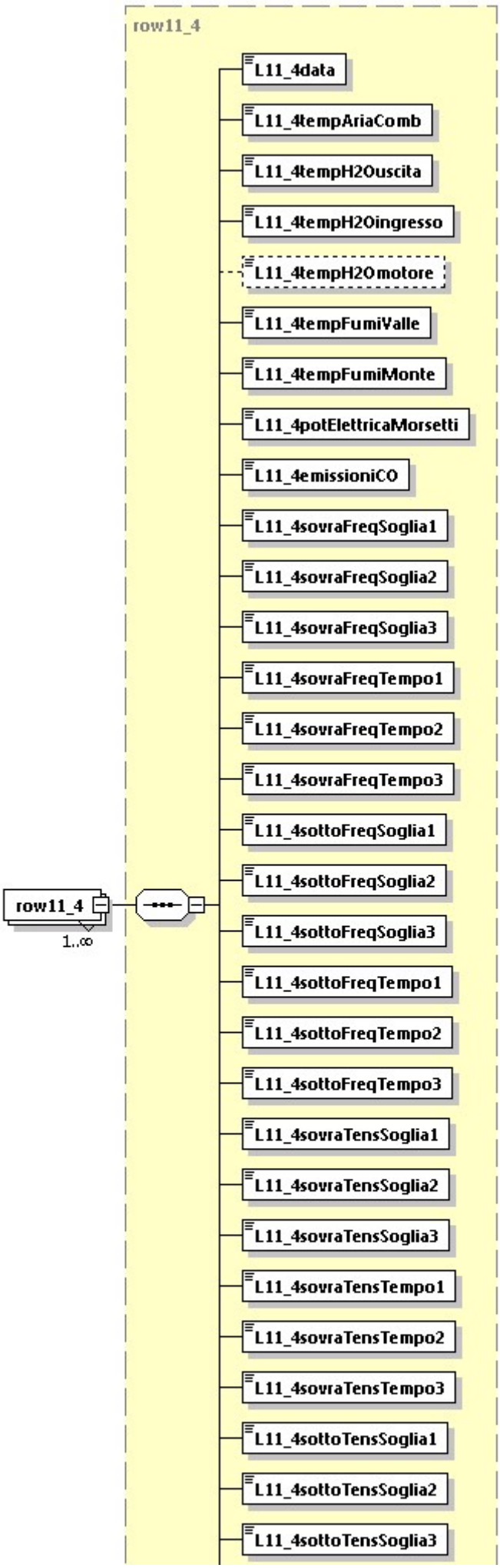
diagram	
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L11_4numCG row11_4**
source	<xs:element name="VerificaCogeneratoriTrigeneratori" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="L11_4numCG" type="xs:integer"/> <xs:element name="row11_4" type="row11_4" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

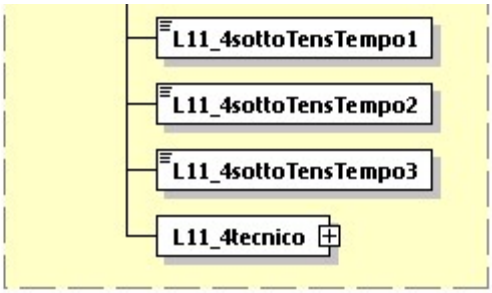
element **impianto/scheda_11_4_VerificaCogeneratoriTrigeneratori/VerificaCogeneratoriTrigeneratori/L11_4numCG**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L11_4numCG" type="xs:integer"/>

element **impianto/scheda_11_4_VerificaCogeneratoriTrigeneratori/VerificaCogeneratoriTrigeneratori/row11_4**

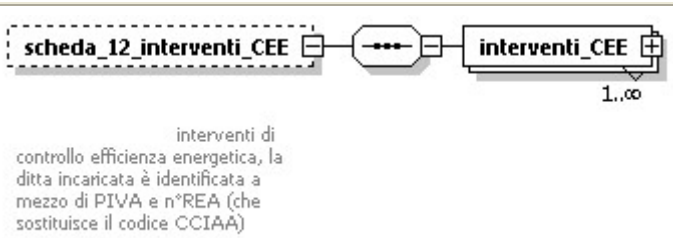
diagram


row11_4
L11_4data
L11_4tempAriaComb
L11_4tempH2Ouscita
L11_4tempH2Oingresso
L11_4tempH2Omotore
L11_4tempFumiValle
L11_4tempFumiMonte
L11_4potElettricaMorsetti
L11_4emissioniCO
L11_4sovraFreqSoglia1
L11_4sovraFreqSoglia2
L11_4sovraFreqSoglia3
L11_4sovraFreqTempo1
L11_4sovraFreqTempo2
L11_4sovraFreqTempo3
L11_4sottoFreqSoglia1
L11_4sottoFreqSoglia2
L11_4sottoFreqSoglia3
L11_4sottoFreqTempo1
L11_4sottoFreqTempo2
L11_4sottoFreqTempo3
L11_4sovraTensSoglia1
L11_4sovraTensSoglia2
L11_4sovraTensSoglia3
L11_4sovraTensTempo1
L11_4sovraTensTempo2
L11_4sovraTensTempo3
L11_4sottoTensSoglia1
L11_4sottoTensSoglia2
L11_4sottoTensSoglia3
row11_4
1..∞



namespace	libretto
type	**row11_4**
properties	minOcc 1 maxOcc unbounded content complex
children	**L11_4data L11_4tempAriaComb L11_4tempH2Ouscita L11_4tempH2Oingresso L11_4tempH2Omotore L11_4tempFumiValle L11_4tempFumiMonte L11_4potElettricaMorsetti L11_4emissioniCO L11_4sovraFreqSoglia1 L11_4sovraFreqSoglia2 L11_4sovraFreqSoglia3 L11_4sovraFreqTempo1 L11_4sovraFreqTempo2 L11_4sovraFreqTempo3 L11_4sottoFreqSoglia1 L11_4sottoFreqSoglia2 L11_4sottoFreqSoglia3 L11_4sottoFreqTempo1 L11_4sottoFreqTempo2 L11_4sottoFreqTempo3 L11_4sovraTensSoglia1 L11_4sovraTensSoglia2 L11_4sovraTensSoglia3 L11_4sovraTensTempo1 L11_4sovraTensTempo2 L11_4sovraTensTempo3 L11_4sottoTensSoglia1 L11_4sottoTensSoglia2 L11_4sottoTensSoglia3 L11_4sottoTensTempo1 L11_4sottoTensTempo2 L11_4sottoTensTempo3 L11_4tecnico**
source	`<xs:element name="row11_4" type="row11_4" maxOccurs="unbounded"/>`

element **impianto/scheda_12_interventi_CEE**

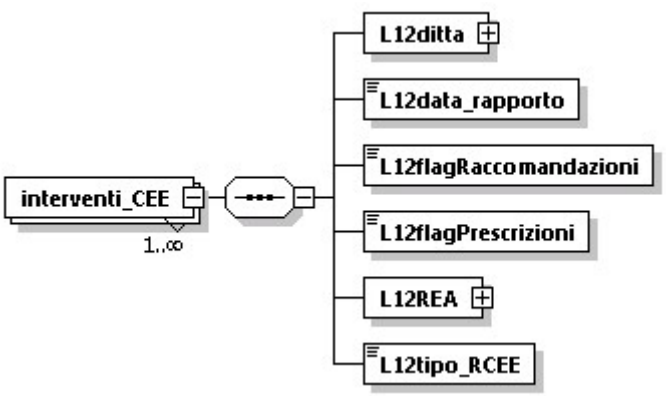
diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**interventi_CEE**
annotation	documentation interventi di controllo efficienza energetica, la ditta incaricata è identificata a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA)

source

```
<xs:element name="scheda_12_interventi_CEE" minOccurs="0">
  <xs:annotation>
    <xs:documentation>
interventi di controllo efficienza energetica, la ditta incaricata è identificata
a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA)
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="interventi_CEE" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
```

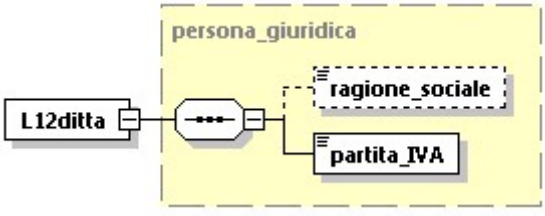
```
            <xs:element name="L12ditta" type="persona_giuridica"/>
            <xs:element name="L12data_rapporto" type="data"/>
            <xs:element name="L12flagRaccomandazioni" type="xs:boolean"/>
            <xs:element name="L12flagPrescrizioni" type="xs:boolean"/>
            <xs:element name="L12REA" type="REA"/>
            <xs:element name="L12tipo_RCEE" type="RCEE"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_12_interventi_CEE/interventi_CEE**

diagram	
namespace	libretto
properties	minOcc 1 maxOcc unbounded content complex
children	**L12ditta L12data_rapporto L12flagRaccomandazioni L12flagPrescrizioni L12REA L12tipo_RCEE**

source	`<xs:element name="interventi_CEE" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L12ditta" type="persona_giuridica"/>`
	`  <xs:element name="L12data_rapporto" type="data"/>`
	`  <xs:element name="L12flagRaccomandazioni" type="xs:boolean"/>`
	`  <xs:element name="L12flagPrescrizioni" type="xs:boolean"/>`
	`  <xs:element name="L12REA" type="REA"/>`
	`  <xs:element name="L12tipo_RCEE" type="RCEE"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12ditta**

diagram	
namespace	libretto
type	**persona_giuridica**

properties	content complex
children	**ragione_sociale partita_IVA**
source	`<xs:element name="L12ditta" type="persona_giuridica"/>`

element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12data_rapporto**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L12data_rapporto" type="data"/>`

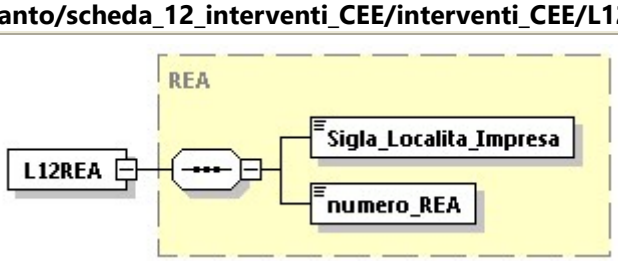
element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12flagRaccomandazioni**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L12flagRaccomandazioni" type="xs:boolean"/>`

element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12flagPrescrizioni**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L12flagPrescrizioni" type="xs:boolean"/>`

element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12REA**

diagram	
namespace	libretto
type	**REA**
properties	content complex

children	**Sigla_Localita_Impresa numero_REA**
source	`<xs:element name="L12REA" type="REA"/>`

element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12tipo_RCEE**

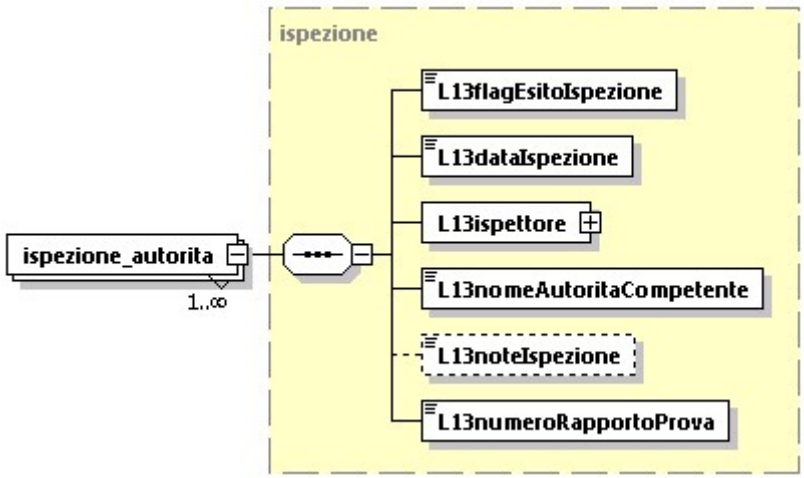
diagram	
namespace	libretto
type	**RCEE**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L12tipo_RCEE" type="RCEE"/>`

element **impianto/scheda_13_ispezione_autorita**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**ispezione_autorita**
annotation	documentation interventi di controllo efficienza energetica, la ditta incaricata è identificata a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA)

source	`<xs:element name="scheda_13_ispezione_autorita" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`interventi di controllo efficienza energetica, la ditta incaricata è identificata a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA)`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="ispezione_autorita" type="ispezione" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **impianto/scheda_13_ispezione_autorita/ispezione_autorita**

diagram	
namespace	libretto
type	**ispezione**
properties	minOcc 1 maxOcc unbounded content complex
children	**L13flagEsitoIspezione** **L13dataIspezione** **L13ispettore** **L13nomeAutoritaCompetente** **L13noteIspezione** **L13numeroRapportoProva**
source	`<xs:element name="ispezione_autorita" type="ispezione" maxOccurs="unbounded"/>`

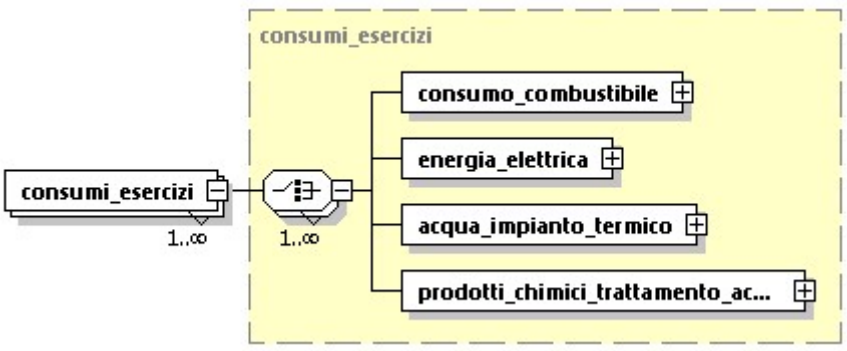
element **impianto/scheda_14_consumi_esercizi**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex
children	**consumi_esercizi**
annotation	documentation interventi di controllo efficienza energetica, la ditta incaricata è identificata a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA in caso ci siano raccomandazioni e/o prescrizioni il rispettivo attributo assume valore "true"

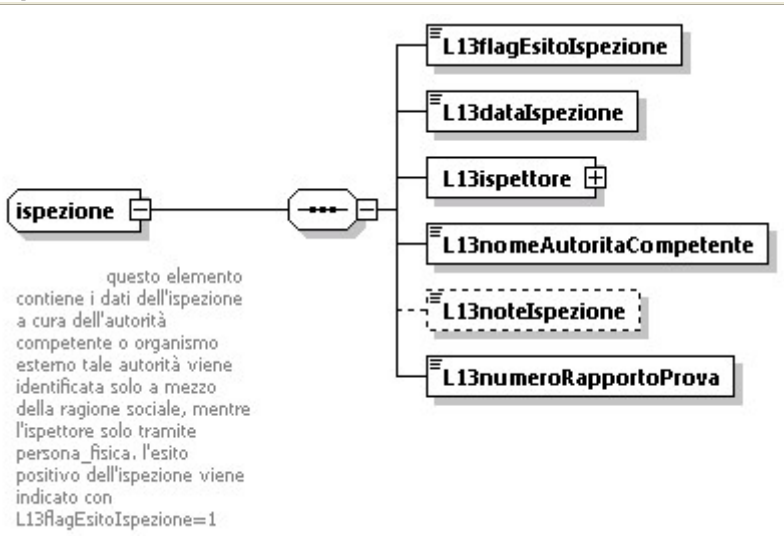
source	`<xs:element name="scheda_14_consumi_esercizi" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`interventi di controllo efficienza energetica, la ditta incaricata è identificata a mezzo di PIVA e n°REA (che sostituisce il codice CCIAA`
	`in caso ci siano raccomandazioni e/o prescrizioni il rispettivo attributo assume valore "true"`
	`</xs:documentation>`

```
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="consumi_esercizi" type="consumi_esercizi"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **impianto/scheda_14_consumi_esercizi/consumi_esercizi**

diagram	
namespace	libretto
type	**consumi_esercizi**
properties	minOcc 1 maxOcc unbounded content complex
children	**consumo_combustibile** **energia_elettrica** **acqua_impianto_termico** **prodotti_chimici_trattamento_acqua**
source	`<xs:element name="consumi_esercizi" type="consumi_esercizi" maxOccurs="unbounded"/>`

complexType **ispezione**

diagram	
namespace	libretto
children	**L13flagEsitoIspezione** **L13dataIspezione** **L13ispettore** **L13nomeAutoritaCompetente** **L13noteIspezione** **L13numeroRapportoProva**
used by	element **impianto/scheda_13_ispezione_autorita/ispezione_autorita**

annotation	documentation questo elemento contiene i dati dell'ispezione a cura dell'autorità competente o organismo esterno tale autorità viene identificata solo a mezzo della ragione sociale, mentre l'ispettore solo tramite persona_fisica. l'esito positivo dell'ispezione viene indicato con L13flagEsitoIspezione=1
source	<xs:complexType name="ispezione"> <xs:annotation> <xs:documentation> questo elemento contiene i dati dell'ispezione a cura dell'autorità competente o organismo esterno tale autorità viene identificata solo a mezzo della ragione sociale, mentre l'ispettore solo tramite persona_fisica. l'esito positivo dell'ispezione viene indicato con L13flagEsitoIspezione=1 </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="L13flagEsitoIspezione" type="xs:boolean"/> <xs:element name="L13dataIspezione" type="data"/> <xs:element name="L13ispettore" type="persona_fisica"/> <xs:element name="L13nomeAutoritaCompetente" type="xs:string"/> <xs:element name="L13noteIspezione" type="xs:string" minOccurs="0"/> <xs:element name="L13numeroRapportoProva" type="xs:string"/> </xs:sequence> </xs:complexType>

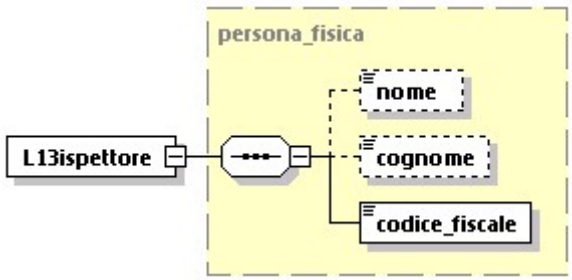
element **ispezione/L13flagEsitoIspezione**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L13flagEsitoIspezione" type="xs:boolean"/>

element **ispezione/L13dataIspezione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L13dataIspezione" type="data"/>

element **ispezione/L13ispettore**

diagram	
namespace	libretto
type	**persona_fisica**
properties	content complex
children	**nome cognome codice_fiscale**
source	`<xs:element name="L13ispettore" type="persona_fisica"/>`

element **ispezione/L13nomeAutoritaCompetente**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L13nomeAutoritaCompetente" type="xs:string"/>`

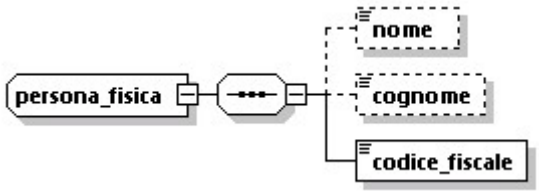
element **ispezione/L13noteIspezione**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L13noteIspezione" type="xs:string" minOccurs="0"/>`

element **ispezione/L13numeroRapportoProva**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L13numeroRapportoProva" type="xs:string"/>`

complexType **persona_fisica**

diagram	
namespace	libretto
children	**nome** **cognome** **codice_fiscale**
used by	elements **row11_1/L11_1tecnico** **row11_2/L11_2tecnico** **row11_3/L11_3tecnico** **row11_4/L11_4tecnico** **ispezione/L13ispettore** **persona_generica/persona_fisica**

source	`<xs:complexType name="persona_fisica">`
	`  <xs:sequence>`
	`  <xs:element name="nome" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="cognome" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="codice_fiscale" type="codice_fiscale"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

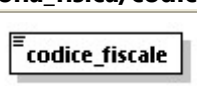
element **persona_fisica/nome**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="nome" type="xs:string" minOccurs="0"/>`

element **persona_fisica/cognome**

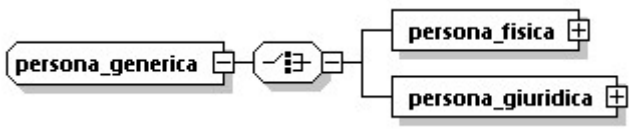
diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="cognome" type="xs:string" minOccurs="0"/>`

element **persona_fisica/codice_fiscale**

diagram	
namespace	libretto
type	**codice_fiscale**
properties	content simple

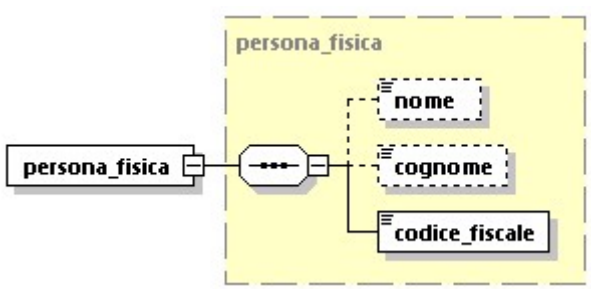
facets	Kind Value Annotation pattern [0-9]{11} pattern [A-Z]{6}[0-9LMNPQRSTUV]{2}[ABCDEHLMPRST][0-9LMNPQRSTUV]{2}[A-Z][0-9LMNPQRSTUV]{3}[A-Z]
source	`<xs:element name="codice_fiscale" type="codice_fiscale"/>`

complexType **persona_generica**

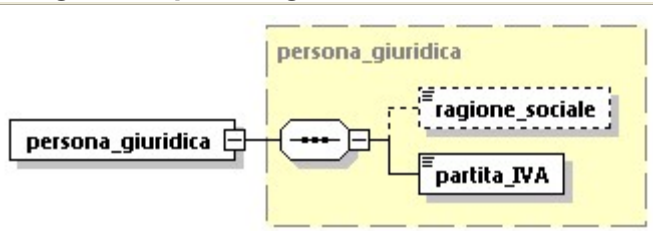
diagram	
namespace	libretto
children	**persona_fisica** **persona_giuridica**
used by	elements **impianto/scheda_1_dati_identificativi_impianto/L1_6responsabile** **impianto/scheda_3_terzo_responsabile** **/terzo_responsabile/L3_nominante**

source	`<xs:complexType name="persona_generica">`
	`  <xs:choice>`
	`  <xs:element name="persona_fisica" type="persona_fisica"/>`
	`  <xs:element name="persona_giuridica" type="persona_giuridica"/>`
	`  </xs:choice>`
	`</xs:complexType>`

element **persona_generica/persona_fisica**

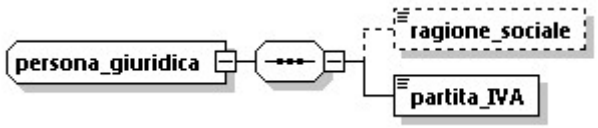
diagram	
namespace	libretto
type	**persona_fisica**
properties	content complex
children	**nome** **cognome** **codice_fiscale**
source	`<xs:element name="persona_fisica" type="persona_fisica"/>`

element **persona_generica/persona_giuridica**

diagram	
namespace	libretto
type	**persona_giuridica**
properties	content complex

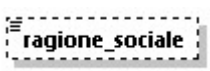
children	**ragione_sociale partita_IVA**
source	`<xs:element name="persona_giuridica" type="persona_giuridica"/>`

complexType **persona_giuridica**

diagram	
namespace	libretto
children	**ragione_sociale partita_IVA**
used by	elements **impianto/scheda_12_interventi_CEE/interventi_CEE/L12ditta impianto/scheda_3_terzo_responsabile /terzo_responsabile/L3_nominato persona_generica/persona_giuridica**

source	`<xs:complexType name="persona_giuridica">`
	`  <xs:sequence>`
	`  <xs:element name="ragione_sociale" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="partita_IVA" type="partita_IVA"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

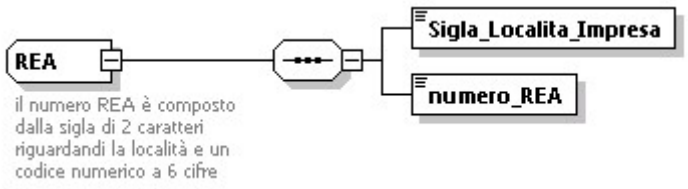
element **persona_giuridica/ragione_sociale**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="ragione_sociale" type="xs:string" minOccurs="0"/>`

element **persona_giuridica/partita_IVA**

diagram	
namespace	libretto
type	**partita_IVA**
properties	content simple
facets	Kind Value Annotation length 11 pattern [0-9]{11}
source	`<xs:element name="partita_IVA" type="partita_IVA"/>`

complexType **REA**

diagram	
namespace	libretto
children	**Sigla_Localita_Impresa** **numero_REA**
used by	elements **impianto/scheda_12_interventi_CEE/interventi_CEE/L12REA** **unitaimmobiliare/intestazione_termica/L1_2REA_PDR** **unitaimmobiliare/intestazione_elettrica/L1_2REA_POD** **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_nominato_REA**
annotation	documentation il numero REA è composto dalla sigla di 2 caratteri riguardandi la località e un codice numerico a 6 cifre

source	`<xs:complexType name="REA">`
	`  <xs:annotation>`
	`  <xs:documentation>il numero REA è composto dalla sigla di 2 caratteri riguardandi la località e un codice numerico a 6 cifre</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="Sigla_Localita_Impresa" type="codice_provincia"/>`
	`  <xs:element name="numero_REA" type="numero_REA"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **REA/Sigla_Localita_Impresa**

diagram	
namespace	libretto
type	**codice_provincia**
properties	content simple
facets	Kind Value Annotation pattern [A-Z]{2}
source	`<xs:element name="Sigla_Localita_Impresa" type="codice_provincia"/>`

element **REA/numero_REA**

diagram	
namespace	libretto
type	**numero_REA**
properties	content simple
facets	Kind Value Annotation pattern [0-9]{6}
source	`<xs:element name="numero_REA" type="numero_REA"/>`

complexType **row11_1**

diagram	
namespace	libretto
children	**L11_1data L11_1moduloTermico L11_1portataTermicaEffettiva L11_1combustibile L11_1tempFumi L11_1tempAria L11_1O2 L11_1CO2 L11_1bacharach1 L11_1bacharach2 L11_1bacharach3 L11_1COfumiSecchi L11_1portataCombustibile L11_1valorePortata L11_1COfumiSecchiSenzaAria L11_1rendimCombustione L11_1flagRispettoIndBacharach L11_1flagRispettoLimiteCOfumiSecchi L11_1rendimentoLegge L11_1flagRispettoRendimentoMinimo L11_1nox L11_1tecnico**
used by	element **impianto/scheda_11_1_VerificaGruppiTermici/VerificaGruppiTermici/row11_1**
annotation	documentation dati della verifica tipo 1

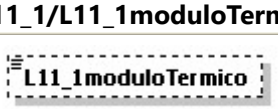
source

```
<xs:complexType name="row11_1">
  <xs:annotation>
    <xs:documentation>
                dati della verifica tipo 1
            </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L11_1data" type="data"/>
    <xs:element name="L11_1moduloTermico" type="xs:integer" minOccurs="0"/>
    <xs:element name="L11_1portataTermicaEffettiva" type="decimale1"
minOccurs="0"/>
    <xs:element name="L11_1combustibile" type="combustibile" minOccurs="0"/>
    <xs:element name="L11_1tempFumi" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_1tempAria" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_1O2" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_1CO2" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_1bacharach1" type="xs:integer" minOccurs="0"/>
    <xs:element name="L11_1bacharach2" type="xs:integer" minOccurs="0"/>
    <xs:element name="L11_1bacharach3" type="xs:integer" minOccurs="0"/>
    <xs:element name="L11_1COfumiSecchi" type="xs:integer" minOccurs="0"/>
    <xs:element name="L11_1portataCombustibile" type="portata" minOccurs="0"/>
    <xs:element name="L11_1valorePortata" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_1COfumiSecchiSenzaAria" type="xs:integer"
minOccurs="0"/>
    <xs:element name="L11_1rendimCombustione" type="rendimento" minOccurs="0"/>
    <xs:element name="L11_1flagRispettoIndBacharach" type="xs:boolean"
minOccurs="0"/>
    <xs:element name="L11_1flagRispettoLimiteCOfumiSecchi" type="xs:boolean"
minOccurs="0"/>
    <xs:element name="L11_1rendimentoLegge" type="rendimento" minOccurs="0"/>
    <xs:element name="L11_1flagRispettoRendimentoMinimo" type="xs:boolean"
minOccurs="0"/>
    <xs:element name="L11_1nox" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_1tecnico" type="persona_fisica"/>
  </xs:sequence>
</xs:complexType>
```

element **row11_1/L11_1data**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L11_1data" type="data"/>`

element **row11_1/L11_1moduloTermico**

diagram	
namespace	libretto

type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L11_1moduloTermico" type="xs:integer" minOccurs="0"/>`

element **row11_1/L11_1portataTermicaEffettiva**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_1portataTermicaEffettiva" type="decimale1" minOccurs="0"/>`

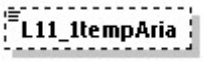
element **row11_1/L11_1combustibile**

diagram	
namespace	libretto
type	**combustibile**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 24
source	`<xs:element name="L11_1combustibile" type="combustibile" minOccurs="0"/>`

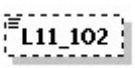
element **row11_1/L11_1tempFumi**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_1tempFumi" type="decimale1" minOccurs="0"/>`

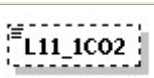
element **row11_1/L11_1tempAria**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_1tempAria" type="decimale1" minOccurs="0"/>`

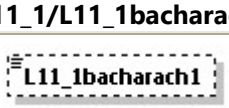
element **row11_1/L11_1O2**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_1O2" type="decimale1" minOccurs="0"/>`

element **row11_1/L11_1CO2**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_1CO2" type="decimale1" minOccurs="0"/>`

element **row11_1/L11_1bacharach1**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple

source	<xs:element name="L11_1bacharach1" type="xs:integer" minOccurs="0"/>

element **row11_1/L11_1bacharach2**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1bacharach2" type="xs:integer" minOccurs="0"/>

element **row11_1/L11_1bacharach3**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1bacharach3" type="xs:integer" minOccurs="0"/>

element **row11_1/L11_1COfumiSecchi**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1COfumiSecchi" type="xs:integer" minOccurs="0"/>

element **row11_1/L11_1portataCombustibile**

diagram	
namespace	libretto
type	**portata**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 2

source	<xs:element name="L11_1portataCombustibile" type="portata" minOccurs="0"/>

element **row11_1/L11_1valorePortata**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_1valorePortata" type="decimale1" minOccurs="0"/>

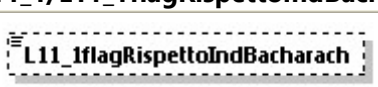
element **row11_1/L11_1COfumiSecchiSenzaAria**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1COfumiSecchiSenzaAria" type="xs:integer" minOccurs="0"/>

element **row11_1/L11_1rendimCombustione**

diagram	
namespace	libretto
type	**rendimento**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0.0 maxInclusive 200.0 fractionDigits 1
source	<xs:element name="L11_1rendimCombustione" type="rendimento" minOccurs="0"/>

element **row11_1/L11_1flagRispettoIndBacharach**

diagram	
namespace	libretto
type	**xs:boolean**

properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1flagRispettoIndBacharach" type="xs:boolean" minOccurs="0"/>

element **row11_1/L11_1flagRispettoLimiteCOfumiSecchi**

diagram	
namespace	libretto
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1flagRispettoLimiteCOfumiSecchi" type="xs:boolean" minOccurs="0"/>

element **row11_1/L11_1rendimentoLegge**

diagram	
namespace	libretto
type	**rendimento**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0.0 maxInclusive 200.0 fractionDigits 1
source	<xs:element name="L11_1rendimentoLegge" type="rendimento" minOccurs="0"/>

element **row11_1/L11_1flagRispettoRendimentoMinimo**

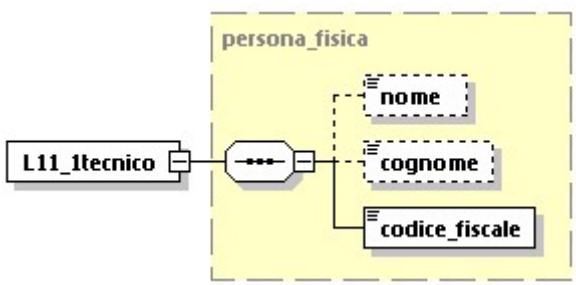
diagram	
namespace	libretto
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_1flagRispettoRendimentoMinimo" type="xs:boolean" minOccurs="0"/>

element **row11_1/L11_1nox**

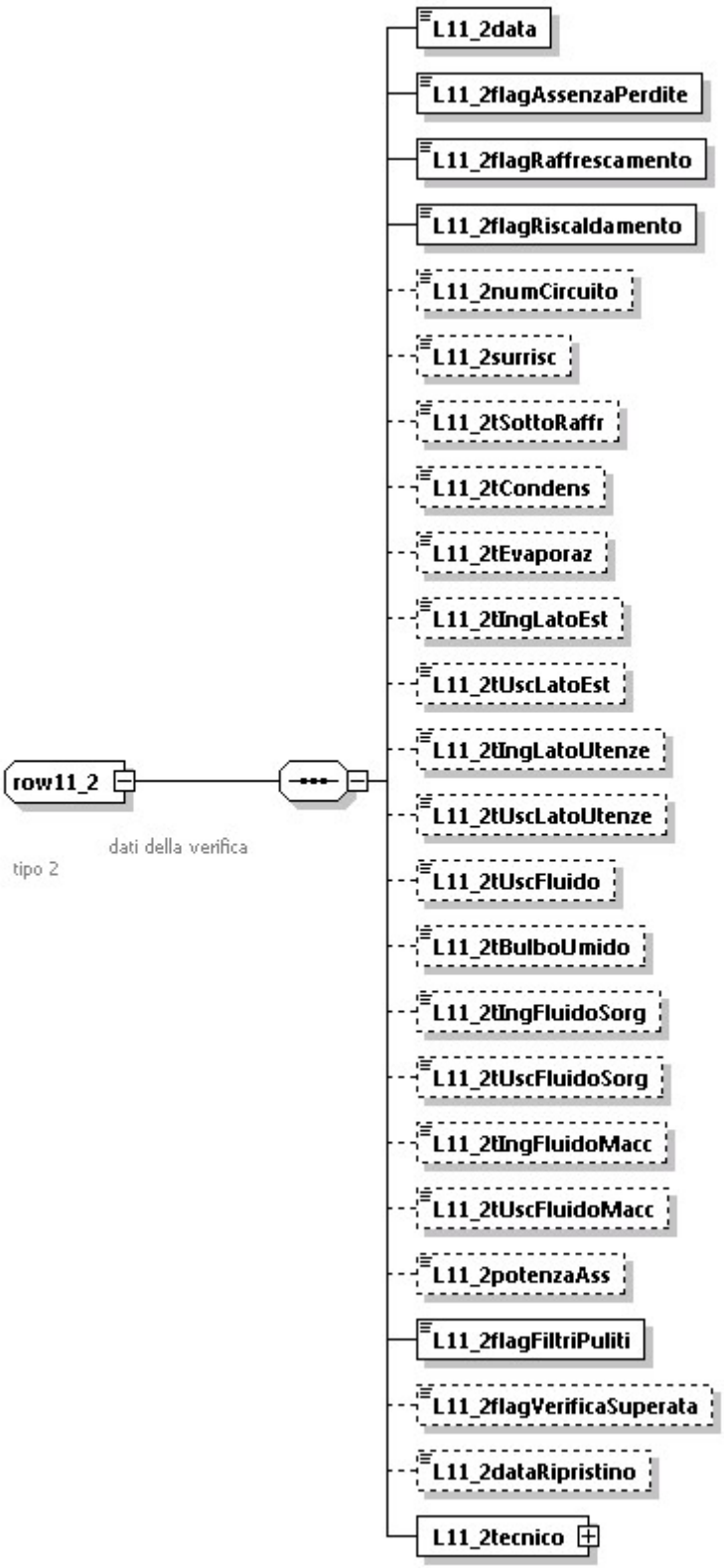
diagram	
namespace	libretto

type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_1nox" type="decimale1" minOccurs="0"/>`

element **row11_1/L11_1tecnico**

diagram	
namespace	libretto
type	**persona_fisica**
properties	content complex
children	**nome** **cognome** **codice_fiscale**
source	`<xs:element name="L11_1tecnico" type="persona_fisica"/>`

complexType **row11_2**

diagram	
namespace	libretto
children	**L11_2data L11_2flagAssenzaPerdite L11_2flagRaffrescamento L11_2flagRiscaldamento L11_2numCircuito L11_2surrisc L11_2tSottoRaffr L11_2tCondens L11_2tEvaporaz L11_2tIngLatoEst L11_2tUscLatoEst L11_2tIngLatoUtenze L11_2tUscLatoUtenze L11_2tUscFluido L11_2tBulboUmido L11_2tIngFluidoSorg L11_2tUscFluidoSorg L11_2tIngFluidoMacc L11_2tUscFluidoMacc L11_2potenzaAss L11_2flagFiltriPuliti L11_2flagVerificaSuperata L11_2dataRipristino L11_2tecnico**
used by	element **impianto/scheda_11_2_VerificaGruppiFrigo/VerificaGruppiFrigo/row11_2**
annotation	documentation

	dati della verifica tipo 2

source

```
<xs:complexType name="row11_2">
  <xs:annotation>
    <xs:documentation>
                dati della verifica tipo 2
            </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L11_2data" type="data"/>
    <xs:element name="L11_2flagAssenzaPerdite" type="xs:boolean"/>
    <xs:element name="L11_2flagRaffrescamento" type="xs:boolean"/>
    <xs:element name="L11_2flagRiscaldamento" type="xs:boolean"/>
    <xs:element name="L11_2numCircuito" type="xs:integer" minOccurs="0"/>
    <xs:element name="L11_2surrisc" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tSottoRaffr" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tCondens" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tEvaporaz" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tIngLatoEst" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tUscLatoEst" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tIngLatoUtenze" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tUscLatoUtenze" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tUscFluido" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tBulboUmido" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tIngFluidoSorg" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tUscFluidoSorg" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tIngFluidoMacc" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2tUscFluidoMacc" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2potenzaAss" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_2flagFiltriPuliti" type="xs:boolean"/>
    <xs:element name="L11_2flagVerificaSuperata" type="xs:boolean" minOccurs="0"/>
    <xs:element name="L11_2dataRipristino" type="data" minOccurs="0"/>
    <xs:element name="L11_2tecnico" type="persona_fisica"/>
  </xs:sequence>
</xs:complexType>
```

element **row11_2/L11_2data**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L11_2data" type="data"/>`

element **row11_2/L11_2flagAssenzaPerdite**

diagram	
namespace	libretto

type	**xs:boolean**
properties	content simple
source	<xs:element name="L11_2flagAssenzaPerdite" type="xs:boolean"/>

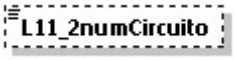
element **row11_2/L11_2flagRaffrescamento**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L11_2flagRaffrescamento" type="xs:boolean"/>

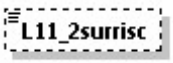
element **row11_2/L11_2flagRiscaldamento**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L11_2flagRiscaldamento" type="xs:boolean"/>

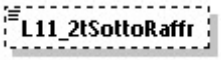
element **row11_2/L11_2numCircuito**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_2numCircuito" type="xs:integer" minOccurs="0"/>

element **row11_2/L11_2surrisc**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2surrisc" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tSottoRaffr**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_2tSottoRaffr" type="decimale1" minOccurs="0"/>`

element **row11_2/L11_2tCondens**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_2tCondens" type="decimale1" minOccurs="0"/>`

element **row11_2/L11_2tEvaporaz**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_2tEvaporaz" type="decimale1" minOccurs="0"/>`

element **row11_2/L11_2tIngLatoEst**

diagram	
namespace	libretto
type	**decimale1**

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tIngLatoEst" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tUscLatoEst**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tUscLatoEst" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tIngLatoUtenze**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tIngLatoUtenze" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tUscLatoUtenze**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tUscLatoUtenze" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tUscFluido**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_2tUscFluido" type="decimale1" minOccurs="0"/>`

element **row11_2/L11_2tBulboUmido**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_2tBulboUmido" type="decimale1" minOccurs="0"/>`

element **row11_2/L11_2tIngFluidoSorg**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_2tIngFluidoSorg" type="decimale1" minOccurs="0"/>`

element **row11_2/L11_2tUscFluidoSorg**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tUscFluidoSorg" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tIngFluidoMacc**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tIngFluidoMacc" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2tUscFluidoMacc**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2tUscFluidoMacc" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2potenzaAss**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_2potenzaAss" type="decimale1" minOccurs="0"/>

element **row11_2/L11_2flagFiltriPuliti**

diagram	

namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L11_2flagFiltriPuliti" type="xs:boolean"/>

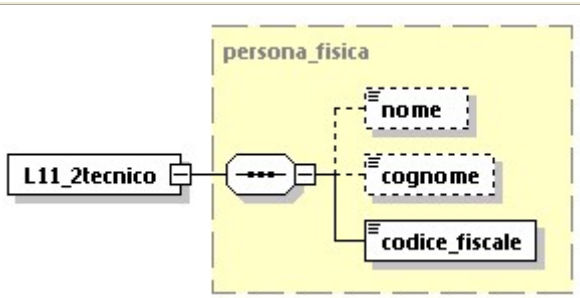
element **row11_2/L11_2flagVerificaSuperata**

diagram	
namespace	libretto
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L11_2flagVerificaSuperata" type="xs:boolean" minOccurs="0"/>

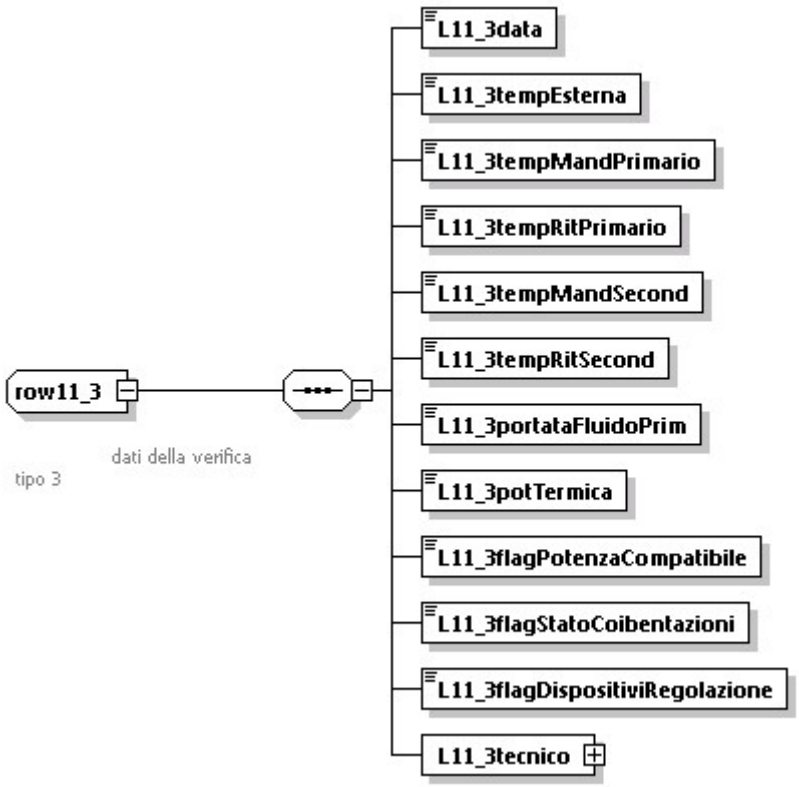
element **row11_2/L11_2dataRipristino**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L11_2dataRipristino" type="data" minOccurs="0"/>

element **row11_2/L11_2tecnico**

diagram	
namespace	libretto
type	**persona_fisica**
properties	content complex
children	**nome cognome codice_fiscale**
source	<xs:element name="L11_2tecnico" type="persona_fisica"/>

complexType **row11_3**

diagram	
namespace	libretto
children	**L11_3data L11_3tempEsterna L11_3tempMandPrimario L11_3tempRitPrimario L11_3tempMandSecond L11_3tempRitSecond L11_3portataFluidoPrim L11_3potTermica L11_3flagPotenzaCompatibile L11_3flagStatoCoibentazioni L11_3flagDispositiviRegolazione L11_3tecnico**
used by	element **impianto/scheda_11_3_VerificaScambiatoreCalore/VerificaScambiatoreCalore/row11_3**
annotation	documentation dati della verifica tipo 3

source

```
<xs:complexType name="row11_3">
  <xs:annotation>
    <xs:documentation>
                dati della verifica tipo 3
                </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L11_3data" type="data"/>
    <xs:element name="L11_3tempEsterna" type="decimale1"/>
    <xs:element name="L11_3tempMandPrimario" type="decimale1"/>
    <xs:element name="L11_3tempRitPrimario" type="decimale1"/>
    <xs:element name="L11_3tempMandSecond" type="decimale1"/>
    <xs:element name="L11_3tempRitSecond" type="decimale1"/>
    <xs:element name="L11_3portataFluidoPrim" type="decimale1"/>
    <xs:element name="L11_3potTermica" type="decimale1"/>
    <xs:element name="L11_3flagPotenzaCompatibile"
type="controllo_compatibilita"/>
    <xs:element name="L11_3flagStatoCoibentazioni"
type="controllo_compatibilita"/>
    <xs:element name="L11_3flagDispositiviRegolazione"
type="controllo_compatibilita"/>
    <xs:element name="L11_3tecnico" type="persona_fisica"/>
  </xs:sequence>
</xs:complexType>
```

element **row11_3/L11_3data**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L11_3data" type="data"/>`

element **row11_3/L11_3tempEsterna**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3tempEsterna" type="decimale1"/>`

element **row11_3/L11_3tempMandPrimario**

diagram	

namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3tempMandPrimario" type="decimale1"/>`

element **row11_3/L11_3tempRitPrimario**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3tempRitPrimario" type="decimale1"/>`

element **row11_3/L11_3tempMandSecond**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3tempMandSecond" type="decimale1"/>`

element **row11_3/L11_3tempRitSecond**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3tempRitSecond" type="decimale1"/>`

element **row11_3/L11_3portataFluidoPrim**

diagram	
namespace	libretto

type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3portataFluidoPrim" type="decimale1"/>`

element **row11_3/L11_3potTermica**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_3potTermica" type="decimale1"/>`

element **row11_3/L11_3flagPotenzaCompatibile**

diagram	
namespace	libretto
type	**controllo_compatibilita**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L11_3flagPotenzaCompatibile" type="controllo_compatibilita"/>`

element **row11_3/L11_3flagStatoCoibentazioni**

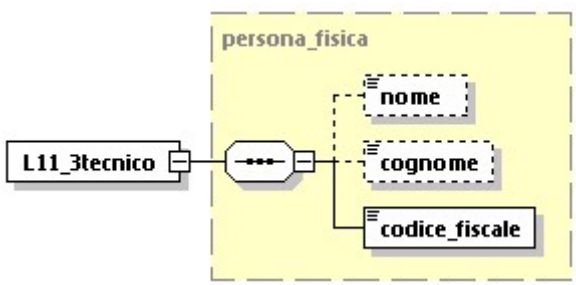
diagram	
namespace	libretto
type	**controllo_compatibilita**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L11_3flagStatoCoibentazioni" type="controllo_compatibilita"/>`

element **row11_3/L11_3flagDispositiviRegolazione**

diagram	
namespace	libretto

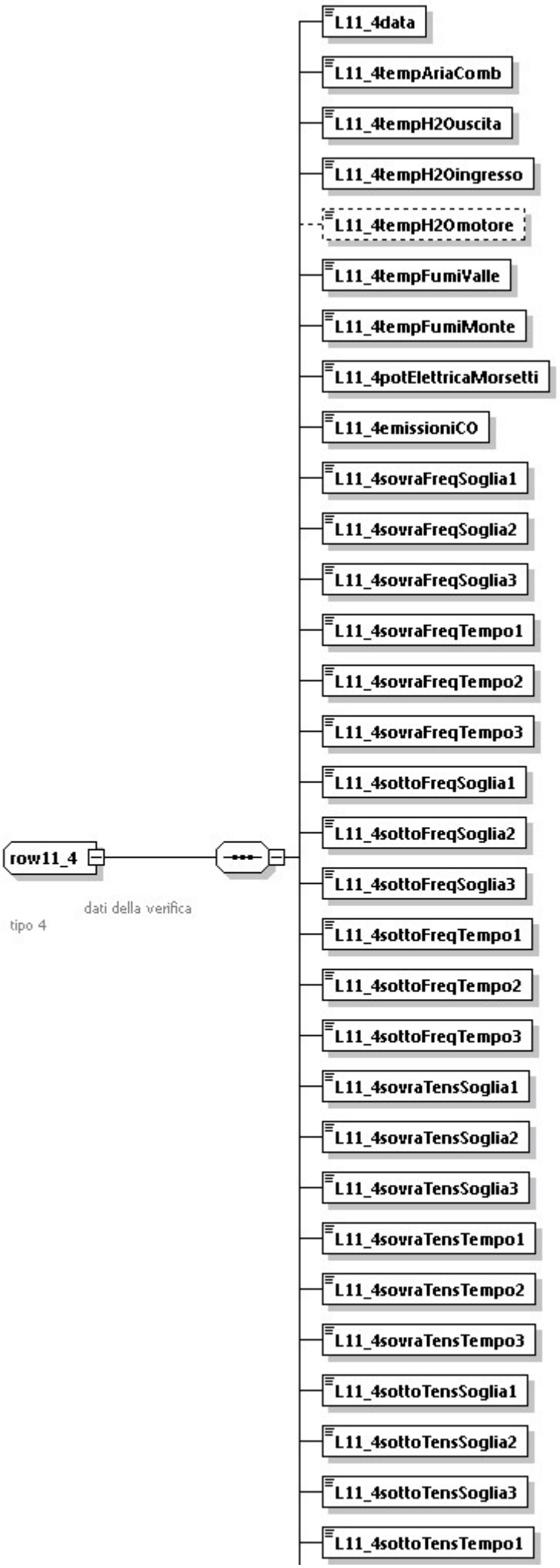
type	**controllo_compatibilita**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L11_3flagDispositiviRegolazione" type="controllo_compatibilita"/>`

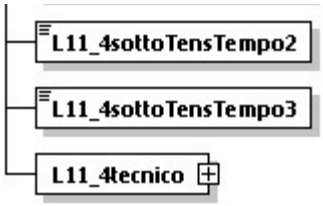
element **row11_3/L11_3tecnico**

diagram	
namespace	libretto
type	**persona_fisica**
properties	content complex
children	**nome** **cognome** **codice_fiscale**
source	`<xs:element name="L11_3tecnico" type="persona_fisica"/>`

complexType **row11_4**

diagram


row11_4
dati della verifica
tipo 4
L11_4data
L11_4tempAriaComb
L11_4tempH2Ouscita
L11_4tempH2Oingresso
L11_4tempH2Omotore
L11_4tempFumiValle
L11_4tempFumiMonte
L11_4potElettricaMorsetti
L11_4emissioniCO
L11_4sovraFreqSoglia1
L11_4sovraFreqSoglia2
L11_4sovraFreqSoglia3
L11_4sovraFreqTempo1
L11_4sovraFreqTempo2
L11_4sovraFreqTempo3
L11_4sottoFreqSoglia1
L11_4sottoFreqSoglia2
L11_4sottoFreqSoglia3
L11_4sottoFreqTempo1
L11_4sottoFreqTempo2
L11_4sottoFreqTempo3
L11_4sovraTensSoglia1
L11_4sovraTensSoglia2
L11_4sovraTensSoglia3
L11_4sovraTensTempo1
L11_4sovraTensTempo2
L11_4sovraTensTempo3
L11_4sottoTensSoglia1
L11_4sottoTensSoglia2
L11_4sottoTensSoglia3
L11_4sottoTensTempo1



namespace	libretto
children	**L11_4data L11_4tempAriaComb L11_4tempH2Ouscita L11_4tempH2Oingresso L11_4tempH2Omotore L11_4tempFumiValle L11_4tempFumiMonte L11_4potElettricaMorsetti L11_4emissioniCO L11_4sovraFreqSoglia1 L11_4sovraFreqSoglia2 L11_4sovraFreqSoglia3 L11_4sovraFreqTempo1 L11_4sovraFreqTempo2 L11_4sovraFreqTempo3 L11_4sottoFreqSoglia1 L11_4sottoFreqSoglia2 L11_4sottoFreqSoglia3 L11_4sottoFreqTempo1 L11_4sottoFreqTempo2 L11_4sottoFreqTempo3 L11_4sovraTensSoglia1 L11_4sovraTensSoglia2 L11_4sovraTensSoglia3 L11_4sovraTensTempo1 L11_4sovraTensTempo2 L11_4sovraTensTempo3 L11_4sottoTensSoglia1 L11_4sottoTensSoglia2 L11_4sottoTensSoglia3 L11_4sottoTensTempo1 L11_4sottoTensTempo2 L11_4sottoTensTempo3 L11_4tecnico**
used by	element **impianto/scheda_11_4_VerificaCogeneratoriTrigeneratori/VerificaCogeneratoriTrigeneratori/row11_4**
annotation	documentation dati della verifica tipo 4

source

```
<xs:complexType name="row11_4">
  <xs:annotation>
    <xs:documentation>
                dati della verifica tipo 4
                </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L11_4data" type="data"/>
    <xs:element name="L11_4tempAriaComb" type="decimale1"/>
    <xs:element name="L11_4tempH2Ouscita" type="decimale1"/>
    <xs:element name="L11_4tempH2Oingresso" type="decimale1"/>
    <xs:element name="L11_4tempH2Omotore" type="decimale1" minOccurs="0"/>
    <xs:element name="L11_4tempFumiValle" type="decimale1"/>
    <xs:element name="L11_4tempFumiMonte" type="decimale1"/>
    <xs:element name="L11_4potElettricaMorsetti" type="decimale1"/>
    <xs:element name="L11_4emissioniCO" type="decimale1"/>
    <xs:element name="L11_4sovraFreqSoglia1" type="xs:integer"/>
    <xs:element name="L11_4sovraFreqSoglia2" type="xs:integer"/>
    <xs:element name="L11_4sovraFreqSoglia3" type="xs:integer"/>
    <xs:element name="L11_4sovraFreqTempo1" type="xs:integer"/>
    <xs:element name="L11_4sovraFreqTempo2" type="xs:integer"/>
    <xs:element name="L11_4sovraFreqTempo3" type="xs:integer"/>
    <xs:element name="L11_4sottoFreqSoglia1" type="xs:integer"/>
    <xs:element name="L11_4sottoFreqSoglia2" type="xs:integer"/>
    <xs:element name="L11_4sottoFreqSoglia3" type="xs:integer"/>
    <xs:element name="L11_4sottoFreqTempo1" type="xs:integer"/>
    <xs:element name="L11_4sottoFreqTempo2" type="xs:integer"/>
    <xs:element name="L11_4sottoFreqTempo3" type="xs:integer"/>
    <xs:element name="L11_4sovraTensSoglia1" type="xs:integer"/>
    <xs:element name="L11_4sovraTensSoglia2" type="xs:integer"/>
    <xs:element name="L11_4sovraTensSoglia3" type="xs:integer"/>
    <xs:element name="L11_4sovraTensTempo1" type="xs:integer"/>
    <xs:element name="L11_4sovraTensTempo2" type="xs:integer"/>
    <xs:element name="L11_4sovraTensTempo3" type="xs:integer"/>
    <xs:element name="L11_4sottoTensSoglia1" type="xs:integer"/>
    <xs:element name="L11_4sottoTensSoglia2" type="xs:integer"/>
    <xs:element name="L11_4sottoTensSoglia3" type="xs:integer"/>
```

```
    <xs:element name="L11_4sottoTensTempo1" type="xs:integer"/>
    <xs:element name="L11_4sottoTensTempo2" type="xs:integer"/>
    <xs:element name="L11_4sottoTensTempo3" type="xs:integer"/>
    <xs:element name="L11_4tecnico" type="persona_fisica"/>
  </xs:sequence>
</xs:complexType>
```

element **row11_4/L11_4data**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L11_4data" type="data"/>`

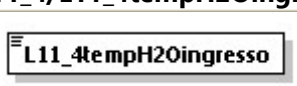
element **row11_4/L11_4tempAriaComb**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_4tempAriaComb" type="decimale1"/>`

element **row11_4/L11_4tempH2Ouscita**

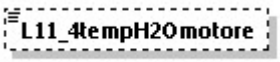
diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L11_4tempH2Ouscita" type="decimale1"/>`

element **row11_4/L11_4tempH2Oingresso**

diagram	
namespace	libretto
type	**decimale1**

properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_4tempH2Oingresso" type="decimale1"/>

element **row11_4/L11_4tempH2Omotore**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_4tempH2Omotore" type="decimale1" minOccurs="0"/>

element **row11_4/L11_4tempFumiValle**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_4tempFumiValle" type="decimale1"/>

element **row11_4/L11_4tempFumiMonte**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_4tempFumiMonte" type="decimale1"/>

element **row11_4/L11_4potElettricaMorsetti**

diagram	
namespace	libretto
type	**decimale1**

properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_4potElettricaMorsetti" type="decimale1"/>

element **row11_4/L11_4emissioniCO**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L11_4emissioniCO" type="decimale1"/>

element **row11_4/L11_4sovraFreqSoglia1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L11_4sovraFreqSoglia1" type="xs:integer"/>

element **row11_4/L11_4sovraFreqSoglia2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L11_4sovraFreqSoglia2" type="xs:integer"/>

element **row11_4/L11_4sovraFreqSoglia3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	<xs:element name="L11_4sovraFreqSoglia3" type="xs:integer"/>

element **row11_4/L11_4sovraFreqTempo1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraFreqTempo1" type="xs:integer"/>`

element **row11_4/L11_4sovraFreqTempo2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraFreqTempo2" type="xs:integer"/>`

element **row11_4/L11_4sovraFreqTempo3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraFreqTempo3" type="xs:integer"/>`

element **row11_4/L11_4sottoFreqSoglia1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoFreqSoglia1" type="xs:integer"/>`

element **row11_4/L11_4sottoFreqSoglia2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoFreqSoglia2" type="xs:integer"/>`

element **row11_4/L11_4sottoFreqSoglia3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoFreqSoglia3" type="xs:integer"/>`

element **row11_4/L11_4sottoFreqTempo1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoFreqTempo1" type="xs:integer"/>`

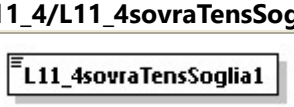
element **row11_4/L11_4sottoFreqTempo2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoFreqTempo2" type="xs:integer"/>`

element **row11_4/L11_4sottoFreqTempo3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoFreqTempo3" type="xs:integer"/>`

element **row11_4/L11_4sovraTensSoglia1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraTensSoglia1" type="xs:integer"/>`

element **row11_4/L11_4sovraTensSoglia2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraTensSoglia2" type="xs:integer"/>`

element **row11_4/L11_4sovraTensSoglia3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraTensSoglia3" type="xs:integer"/>`

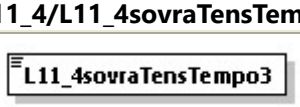
element **row11_4/L11_4sovraTensTempo1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraTensTempo1" type="xs:integer"/>`

element **row11_4/L11_4sovraTensTempo2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraTensTempo2" type="xs:integer"/>`

element **row11_4/L11_4sovraTensTempo3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sovraTensTempo3" type="xs:integer"/>`

element **row11_4/L11_4sottoTensSoglia1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoTensSoglia1" type="xs:integer"/>`

element **row11_4/L11_4sottoTensSoglia2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoTensSoglia2" type="xs:integer"/>`

element **row11_4/L11_4sottoTensSoglia3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoTensSoglia3" type="xs:integer"/>`

element **row11_4/L11_4sottoTensTempo1**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoTensTempo1" type="xs:integer"/>`

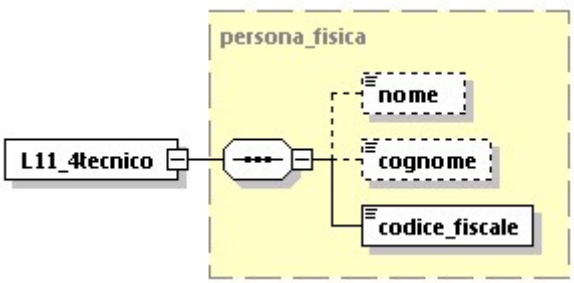
element **row11_4/L11_4sottoTensTempo2**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoTensTempo2" type="xs:integer"/>`

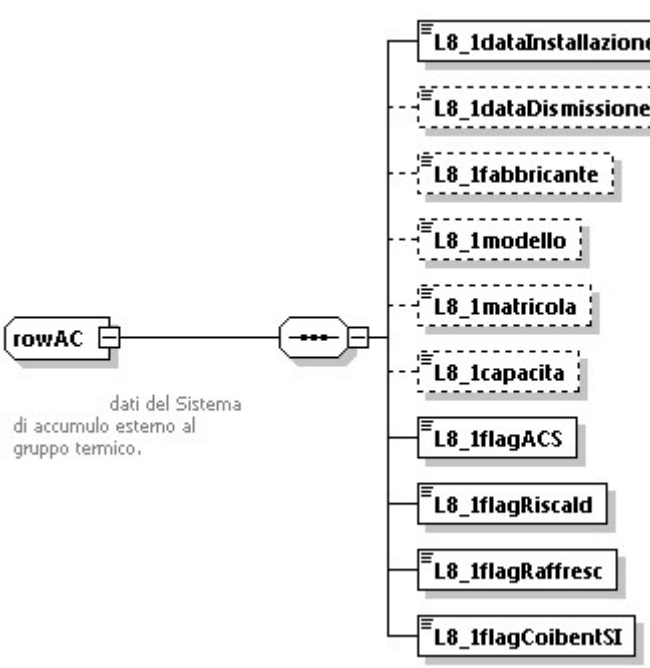
element **row11_4/L11_4sottoTensTempo3**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L11_4sottoTensTempo3" type="xs:integer"/>`

element **row11_4/L11_4tecnico**

diagram	
namespace	libretto
type	**persona_fisica**
properties	content complex
children	**nome cognome codice_fiscale**
source	`<xs:element name="L11_4tecnico" type="persona_fisica"/>`

complexType **rowAC**

diagram	
namespace	libretto
children	**L8_1dataInstallazione L8_1dataDismissione L8_1fabbricante L8_1modello L8_1matricola L8_1capacita L8_1flagACS L8_1flagRiscald L8_1flagRaffresc L8_1flagCoibentSI**
used by	element **impianto/scheda_8_sistema_accumulo/sistema_accumulo/rowAC**

annotation	documentation dati del Sistema di accumulo esterno al gruppo termico.
source	<xs:complexType name="rowAC"> <xs:annotation> <xs:documentation> dati del Sistema di accumulo esterno al gruppo termico. </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="L8_1dataInstallazione" type="data"/> <xs:element name="L8_1dataDismissione" type="data" minOccurs="0"/> <xs:element name="L8_1fabbricante" type="fabbricante" minOccurs="0"/> <xs:element name="L8_1modello" type="xs:string" minOccurs="0"/> <xs:element name="L8_1matricola" type="xs:string" minOccurs="0"/> <xs:element name="L8_1capacita" type="decimale1" minOccurs="0"/> <xs:element name="L8_1flagACS" type="xs:boolean"/> <xs:element name="L8_1flagRiscald" type="xs:boolean"/> <xs:element name="L8_1flagRaffresc" type="xs:boolean"/> <xs:element name="L8_1flagCoibentSI" type="xs:boolean"/> </xs:sequence> </xs:complexType>

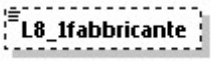
element **rowAC/L8_1dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L8_1dataInstallazione" type="data"/>

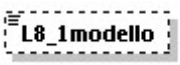
element **rowAC/L8_1dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L8_1dataDismissione" type="data" minOccurs="0"/>

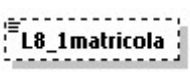
element **rowAC/L8_1fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L8_1fabbricante" type="fabbricante" minOccurs="0"/>`

element **rowAC/L8_1modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L8_1modello" type="xs:string" minOccurs="0"/>`

element **rowAC/L8_1matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L8_1matricola" type="xs:string" minOccurs="0"/>`

element **rowAC/L8_1capacita**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L8_1capacita" type="decimale1" minOccurs="0"/>`

element **rowAC/L8_1flagACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L8_1flagACS" type="xs:boolean"/>`

element **rowAC/L8_1flagRiscald**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L8_1flagRiscald" type="xs:boolean"/>`

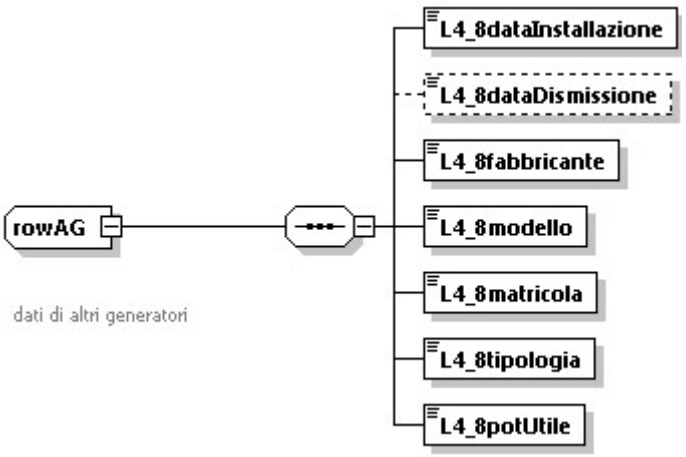
element **rowAC/L8_1flagRaffresc**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L8_1flagRaffresc" type="xs:boolean"/>`

element **rowAC/L8_1flagCoibentSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	`<xs:element name="L8_1flagCoibentSI" type="xs:boolean"/>`

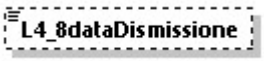
complexType **rowAG**

diagram	
namespace	libretto
children	**L4_8dataInstallazione L4_8dataDismissione L4_8fabbricante L4_8modello L4_8matricola L4_8tipologia L4_8potUtile**
used by	element **impianto/scheda_4_generatori/altrigeneratori/rowAG**
annotation	documentation dati di altri generatori
source	<xs:complexType name="rowAG"> <xs:annotation> <xs:documentation> dati di altri generatori </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="L4_8dataInstallazione" type="data"/> <xs:element name="L4_8dataDismissione" type="data" minOccurs="0"/> <xs:element name="L4_8fabbricante" type="fabbricante"/> <xs:element name="L4_8modello" type="xs:string"/> <xs:element name="L4_8matricola" type="xs:string"/> <xs:element name="L4_8tipologia" type="xs:string"/> <xs:element name="L4_8potUtile" type="decimale1"/> </xs:sequence> </xs:complexType>

element **rowAG/L4_8dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L4_8dataInstallazione" type="data"/>

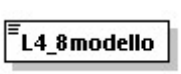
element **rowAG/L4_8dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_8dataDismissione" type="data" minOccurs="0"/>`

element **rowAG/L4_8fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_8fabbricante" type="fabbricante"/>`

element **rowAG/L4_8modello**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_8modello" type="xs:string"/>`

element **rowAG/L4_8matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_8matricola" type="xs:string"/>`

element **rowAG/L4_8tipologia**

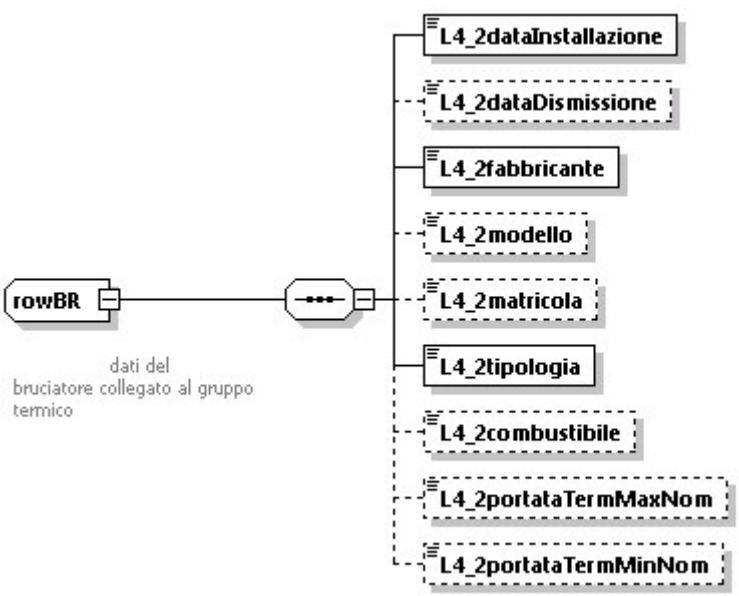
diagram	
namespace	libretto
type	**xs:string**

properties	content simple
source	`<xs:element name="L4_8tipologia" type="xs:string"/>`

element **rowAG/L4_8potUtile**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L4_8potUtile" type="decimale1"/>`

complexType **rowBR**

diagram	
namespace	libretto
children	**L4_2dataInstallazione L4_2dataDismissione L4_2fabbricante L4_2modello L4_2matricola L4_2tipologia L4_2combustibile L4_2portataTermMaxNom L4_2portataTermMinNom**
used by	element **rowGT/accessori_gruppotermico_caldaie/sezBR/rowBR**
annotation	documentation dati del bruciatore collegato al gruppo termico

source	`<xs:complexType name="rowBR">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  dati del bruciatore collegato al gruppo termico`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L4_2dataInstallazione" type="data"/>`
	`  <xs:element name="L4_2dataDismissione" type="data" minOccurs="0"/>`
	`  <xs:element name="L4_2fabbricante" type="fabbricante"/>`

```
    <xs:element name="L4_2modello" type="xs:string" minOccurs="0"/>
    <xs:element name="L4_2matricola" type="xs:string" minOccurs="0"/>
    <xs:element name="L4_2tipologia" type="tipo_bruciatore"/>
    <xs:element name="L4_2combustibile" type="combustibile" minOccurs="0"/>
    <xs:element name="L4_2portataTermMaxNom" type="xs:integer" minOccurs="0"/>
    <xs:element name="L4_2portataTermMinNom" type="xs:integer" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **rowBR/L4_2dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_2dataInstallazione" type="data"/>`

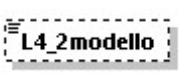
element **rowBR/L4_2dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_2dataDismissione" type="data" minOccurs="0"/>`

element **rowBR/L4_2fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_2fabbricante" type="fabbricante"/>`

element **rowBR/L4_2modello**

diagram	
namespace	libretto

type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L4_2modello" type="xs:string" minOccurs="0"/>`

element **rowBR/L4_2matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L4_2matricola" type="xs:string" minOccurs="0"/>`

element **rowBR/L4_2tipologia**

diagram	
namespace	libretto
type	**tipo_bruciatore**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
source	`<xs:element name="L4_2tipologia" type="tipo_bruciatore"/>`

element **rowBR/L4_2combustibile**

diagram	
namespace	libretto
type	**combustibile**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 24
source	`<xs:element name="L4_2combustibile" type="combustibile" minOccurs="0"/>`

element **rowBR/L4_2portataTermMaxNom**

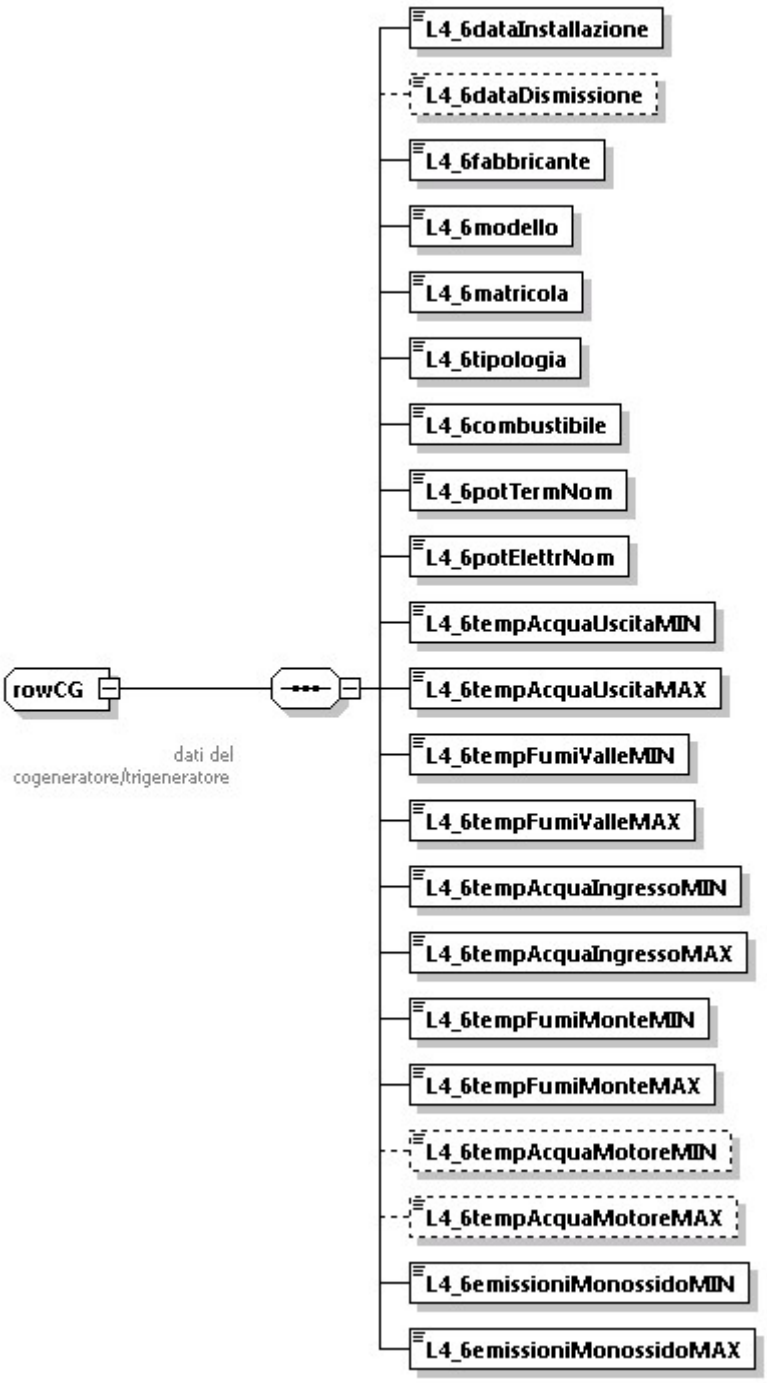
diagram	

namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L4_2portataTermMaxNom" type="xs:integer" minOccurs="0"/>`

element **rowBR/L4_2portataTermMinNom**

diagram	
namespace	libretto
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L4_2portataTermMinNom" type="xs:integer" minOccurs="0"/>`

complexType **rowCG**

diagram	
namespace	libretto
children	**L4_6dataInstallazione L4_6dataDismissione L4_6fabbricante L4_6modello L4_6matricola L4_6tipologia L4_6combustibile L4_6potTermNom L4_6potElettrNom L4_6tempAcquaUscitaMIN L4_6tempAcquaUscitaMAX L4_6tempFumiValleMIN L4_6tempFumiValleMAX L4_6tempAcquaIngressoMIN L4_6tempAcquaIngressoMAX L4_6tempFumiMonteMIN L4_6tempFumiMonteMAX L4_6tempAcquaMotoreMIN L4_6tempAcquaMotoreMAX L4_6emissioniMonossidoMIN L4_6emissioniMonossidoMAX**
used by	element **impianto/scheda_4_generatori/cogeneratore/rowCG**
annotation	documentation dati del cogeneratore/trigeneratore
source	<xs:complexType name="rowCG"> <xs:annotation> <xs:documentation> dati del cogeneratore/trigeneratore </xs:documentation>

```
    </xs:annotation>
    <xs:sequence>
      <xs:element name="L4_6dataInstallazione" type="data"/>
      <xs:element name="L4_6dataDismissione" type="data" minOccurs="0"/>
      <xs:element name="L4_6fabbricante" type="fabbricante"/>
      <xs:element name="L4_6modello" type="xs:string"/>
      <xs:element name="L4_6matricola" type="xs:string"/>
      <xs:element name="L4_6tipologia" type="tipoCogeneratore"/>
      <xs:element name="L4_6combustibile" type="combustibile"/>
      <xs:element name="L4_6potTermNom" type="decimale1"/>
      <xs:element name="L4_6potElettrNom" type="decimale1"/>
      <xs:element name="L4_6tempAcquaUscitaMIN" type="decimale1"/>
      <xs:element name="L4_6tempAcquaUscitaMAX" type="decimale1"/>
      <xs:element name="L4_6tempFumiValleMIN" type="decimale1"/>
      <xs:element name="L4_6tempFumiValleMAX" type="decimale1"/>
      <xs:element name="L4_6tempAcquaIngressoMIN" type="decimale1"/>
      <xs:element name="L4_6tempAcquaIngressoMAX" type="decimale1"/>
      <xs:element name="L4_6tempFumiMonteMIN" type="decimale1"/>
      <xs:element name="L4_6tempFumiMonteMAX" type="decimale1"/>
      <xs:element name="L4_6tempAcquaMotoreMIN" type="decimale1" minOccurs="0"/>
      <xs:element name="L4_6tempAcquaMotoreMAX" type="decimale1" minOccurs="0"/>
      <xs:element name="L4_6emissioniMonossidoMIN" type="decimale1"/>
      <xs:element name="L4_6emissioniMonossidoMAX" type="decimale1"/>
    </xs:sequence>
  </xs:complexType>
```

element **rowCG/L4_6dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_6dataInstallazione" type="data"/>`

element **rowCG/L4_6dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_6dataDismissione" type="data" minOccurs="0"/>`

element **rowCG/L4_6fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_6fabbricante" type="fabbricante"/>`

element **rowCG/L4_6modello**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_6modello" type="xs:string"/>`

element **rowCG/L4_6matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_6matricola" type="xs:string"/>`

element **rowCG/L4_6tipologia**

diagram	
namespace	libretto
type	**tipoCogeneratore**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	`<xs:element name="L4_6tipologia" type="tipoCogeneratore"/>`

element **rowCG/L4_6combustibile**

diagram	
namespace	libretto
type	**combustibile**
properties	content simple

facets	Kind Value Annotation minInclusive 1 maxInclusive 24
source	<xs:element name="L4_6combustibile" type="combustibile"/>

element **rowCG/L4_6potTermNom**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6potTermNom" type="decimale1"/>

element **rowCG/L4_6potElettrNom**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6potElettrNom" type="decimale1"/>

element **rowCG/L4_6tempAcquaUscitaMIN**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempAcquaUscitaMIN" type="decimale1"/>

element **rowCG/L4_6tempAcquaUscitaMAX**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple

facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempAcquaUscitaMAX" type="decimale1"/>

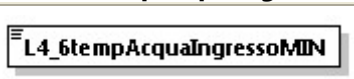
element **rowCG/L4_6tempFumiValleMIN**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempFumiValleMIN" type="decimale1"/>

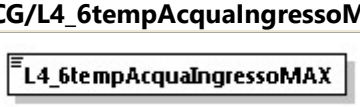
element **rowCG/L4_6tempFumiValleMAX**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempFumiValleMAX" type="decimale1"/>

element **rowCG/L4_6tempAcquaIngressoMIN**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempAcquaIngressoMIN" type="decimale1"/>

element **rowCG/L4_6tempAcquaIngressoMAX**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple

facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempAcquaIngressoMAX" type="decimale1"/>

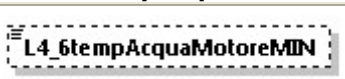
element **rowCG/L4_6tempFumiMonteMIN**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempFumiMonteMIN" type="decimale1"/>

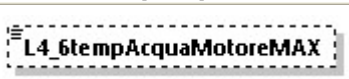
element **rowCG/L4_6tempFumiMonteMAX**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempFumiMonteMAX" type="decimale1"/>

element **rowCG/L4_6tempAcquaMotoreMIN**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempAcquaMotoreMIN" type="decimale1" minOccurs="0"/>

element **rowCG/L4_6tempAcquaMotoreMAX**

diagram	
namespace	libretto
type	**decimale1**

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6tempAcquaMotoreMAX" type="decimale1" minOccurs="0"/>

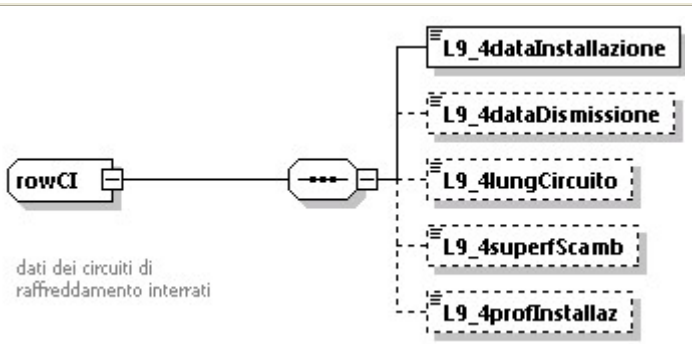
element **rowCG/L4_6emissioniMonossidoMIN**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6emissioniMonossidoMIN" type="decimale1"/>

element **rowCG/L4_6emissioniMonossidoMAX**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_6emissioniMonossidoMAX" type="decimale1"/>

complexType **rowCI**

diagram	
namespace	libretto
children	**L9_4dataInstallazione** **L9_4dataDismissione** **L9_4lungCircuito** **L9_4superfScamb** **L9_4profInstallaz**
used by	element **impianto/scheda_9_altriComponenti/L9_4_AltriComponentiCI/rowCI**
annotation	documentation dati dei circuiti di raffreddamento interrati

source

```
<xs:complexType name="rowCI">
  <xs:annotation>
    <xs:documentation>
dati dei circuiti di raffreddamento interrati
</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L9_4dataInstallazione" type="data"/>
    <xs:element name="L9_4dataDismissione" type="data" minOccurs="0"/>
    <xs:element name="L9_4lungCircuito" type="decimale1" minOccurs="0"/>
    <xs:element name="L9_4superfScamb" type="decimale1" minOccurs="0"/>
    <xs:element name="L9_4profInstallaz" type="decimale1" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **rowCI/L9_4dataInstallazione**

diagram 

namespace libretto

type **data**

properties content simple

facets

Kind	Value	Annotation
minInclusive	1900-01-01	
maxInclusive	2100-12-31	

source

```
<xs:element name="L9_4dataInstallazione" type="data"/>
```

element **rowCI/L9_4dataDismissione**

diagram 

namespace libretto

type **data**

properties minOcc 0
maxOcc 1
content simple

facets

Kind	Value	Annotation
minInclusive	1900-01-01	
maxInclusive	2100-12-31	

source

```
<xs:element name="L9_4dataDismissione" type="data" minOccurs="0"/>
```

element **rowCI/L9_4lungCircuito**

diagram 

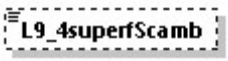
namespace libretto

type **decimale1**

properties minOcc 0
maxOcc 1
content simple

facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L9_4lungCircuito" type="decimale1" minOccurs="0"/>

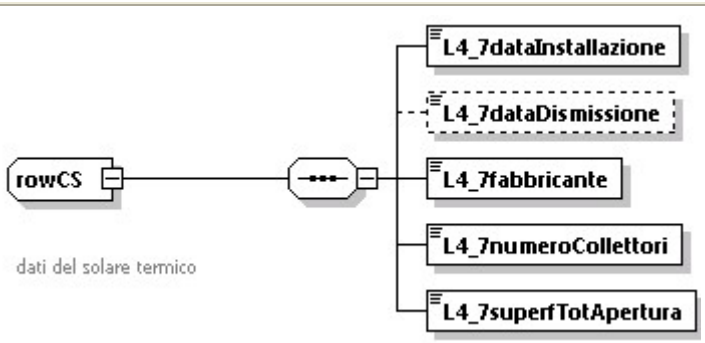
element **rowCI/L9_4superfScamb**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L9_4superfScamb" type="decimale1" minOccurs="0"/>

element **rowCI/L9_4profInstallaz**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L9_4profInstallaz" type="decimale1" minOccurs="0"/>

complexType **rowCS**

diagram	
namespace	libretto
children	**L4_7dataInstallazione L4_7dataDismissione L4_7fabbricante L4_7numeroCollettori L4_7superfTotApertura**
used by	element **impianto/scheda_4_generatori/solaretermico/rowCS**
annotation	documentation dati del solare termico

source

```
<xs:complexType name="rowCS">
  <xs:annotation>
    <xs:documentation>
dati del solare termico
</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L4_7dataInstallazione" type="data"/>
    <xs:element name="L4_7dataDismissione" type="data" minOccurs="0"/>
    <xs:element name="L4_7fabbricante" type="fabbricante"/>
    <xs:element name="L4_7numeroCollettori" type="xs:integer"/>
    <xs:element name="L4_7superfTotApertura" type="decimale1"/>
  </xs:sequence>
</xs:complexType>
```

element **rowCS/L4_7dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_7dataInstallazione" type="data"/>`

element **rowCS/L4_7dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_7dataDismissione" type="data" minOccurs="0"/>`

element **rowCS/L4_7fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_7fabbricante" type="fabbricante"/>`

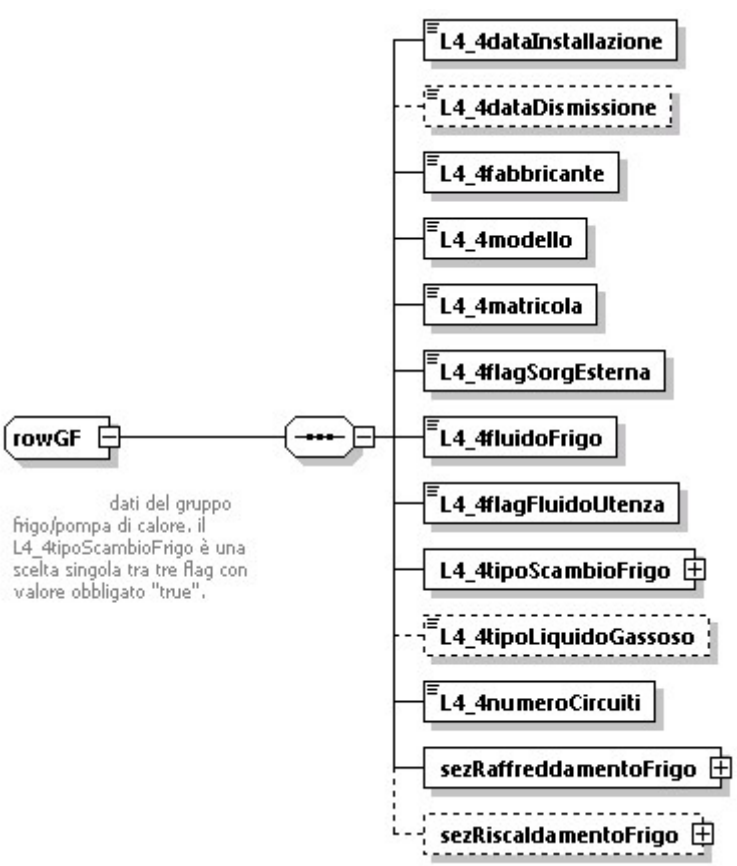
element **rowCS/L4_7numeroCollettori**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_7numeroCollettori" type="xs:integer"/>`

element **rowCS/L4_7superfTotApertura**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L4_7superfTotApertura" type="decimale1"/>`

complexType **rowGF**

diagram	
namespace	libretto
children	**L4_4dataInstallazione L4_4dataDismissione L4_4fabbricante L4_4modello L4_4matricola L4_4flagSorgEsterna L4_4fluidoFrigo L4_4flagFluidoUtenza L4_4tipoScambioFrigo L4_4tipoLiquidoGassoso L4_4numeroCircuiti sezRaffreddamentoFrigo sezRiscaldamentoFrigo**

used by	element **impianto/scheda_4_generatori/gruppofrigo/rowGF**
annotation	documentation dati del gruppo frigo/pompa di calore. il L4_4tipoScambioFrigo è una scelta singola tra tre flag con valore obbligato "true".

source

```
<xs:complexType name="rowGF">
  <xs:annotation>
    <xs:documentation>
                dati del gruppo frigo/pompa di calore. il L4_4tipoScambioFrigo è
una scelta singola tra tre flag con valore obbligato "true".
                </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L4_4dataInstallazione" type="data"/>
    <xs:element name="L4_4dataDismissione" type="data" minOccurs="0"/>
    <xs:element name="L4_4fabbricante" type="fabbricante"/>
    <xs:element name="L4_4modello" type="xs:string"/>
    <xs:element name="L4_4matricola" type="xs:string"/>
    <xs:element name="L4_4flagSorgEsterna" type="sorgente"/>
    <xs:element name="L4_4fluidoFrigo" type="fluido_frigorigeno"/>
    <xs:element name="L4_4flagFluidoUtenza" type="sorgente"/>
    <xs:element name="L4_4tipoScambioFrigo">
      <xs:complexType>
        <xs:choice>
          <xs:element name="L4_4flagAssorbimentoRecCalore" type="xs:boolean"
fixed="true"/>
          <xs:element name="L4_4FiammaDirettaLiquidoGassoso" type="xs:boolean"
fixed="true"/>
          <xs:element name="L4_4CicliCompressione" type="xs:boolean"
fixed="true"/>
        </xs:choice>
      </xs:complexType>
    </xs:element>
    <xs:element name="L4_4tipoLiquidoGassoso" type="combustibilefiammadiretta"
minOccurs="0"/>
    <xs:element name="L4_4numeroCircuiti" type="xs:integer"/>
    <xs:element name="sezRaffreddamentoFrigo">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L4_4raffrescam" type="efficienzaFrigo"/>
          <xs:element name="L4_4potFrigoNom" type="decimale1"/>
          <xs:element name="L4_4potFrigoAssorb" type="decimale1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="sezRiscaldamentoFrigo" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L4_4riscaldam" type="efficienzaFrigo"/>
          <xs:element name="L4_4potTermNom" type="decimale1"/>
          <xs:element name="L4_4potTermAssorb" type="decimale1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **rowGF/L4_4dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_4dataInstallazione" type="data"/>`

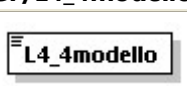
element **rowGF/L4_4dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_4dataDismissione" type="data" minOccurs="0"/>`

element **rowGF/L4_4fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_4fabbricante" type="fabbricante"/>`

element **rowGF/L4_4modello**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_4modello" type="xs:string"/>`

element **rowGF/L4_4matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_4matricola" type="xs:string"/>`

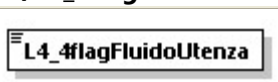
element **rowGF/L4_4flagSorgEsterna**

diagram	
namespace	libretto
type	**sorgente**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 2
source	`<xs:element name="L4_4flagSorgEsterna" type="sorgente"/>`

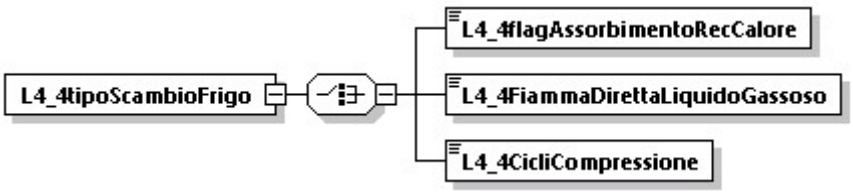
element **rowGF/L4_4fluidoFrigo**

diagram	
namespace	libretto
type	**fluido_frigorigeno**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 7
source	`<xs:element name="L4_4fluidoFrigo" type="fluido_frigorigeno"/>`

element **rowGF/L4_4flagFluidoUtenza**

diagram	
namespace	libretto
type	**sorgente**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 2
source	`<xs:element name="L4_4flagFluidoUtenza" type="sorgente"/>`

element **rowGF/L4_4tipoScambioFrigo**

diagram	
namespace	libretto
properties	content complex
children	**L4_4flagAssorbimentoRecCalore L4_4FiammaDirettaLiquidoGassoso L4_4CicliCompressione**

source	`<xs:element name="L4_4tipoScambioFrigo">`
	`  <xs:complexType>`
	`  <xs:choice>`
	`  <xs:element name="L4_4flagAssorbimentoRecCalore" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L4_4FiammaDirettaLiquidoGassoso" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L4_4CicliCompressione" type="xs:boolean" fixed="true"/>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`</xs:element>`

element **rowGF/L4_4tipoScambioFrigo/L4_4flagAssorbimentoRecCalore**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L4_4flagAssorbimentoRecCalore" type="xs:boolean" fixed="true"/>`

element **rowGF/L4_4tipoScambioFrigo/L4_4FiammaDirettaLiquidoGassoso**

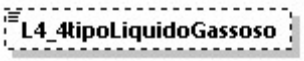
diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L4_4FiammaDirettaLiquidoGassoso" type="xs:boolean" fixed="true"/>`

element **rowGF/L4_4tipoScambioFrigo/L4_4CicliCompressione**

diagram	
namespace	libretto
type	**xs:boolean**

properties	content simple fixed true
source	`<xs:element name="L4_4CicliCompressione" type="xs:boolean" fixed="true"/>`

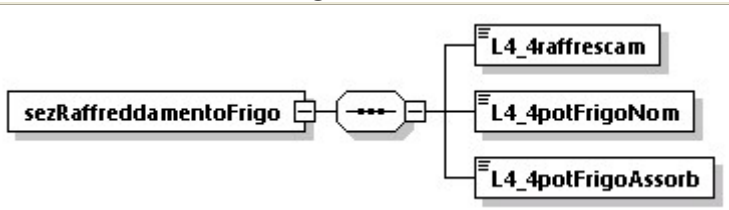
element **rowGF/L4_4tipoLiquidoGassoso**

diagram	
namespace	libretto
type	**combustibilefiammadiretta**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 2
source	`<xs:element name="L4_4tipoLiquidoGassoso" type="combustibilefiammadiretta" minOccurs="0"/>`

element **rowGF/L4_4numeroCircuiti**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_4numeroCircuiti" type="xs:integer"/>`

element **rowGF/sezRaffreddamentoFrigo**

diagram	
namespace	libretto
properties	content complex
children	**L4_4raffrescam L4_4potFrigoNom L4_4potFrigoAssorb**

source	`<xs:element name="sezRaffreddamentoFrigo">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L4_4raffrescam" type="efficienzaFrigo"/>`
	`  <xs:element name="L4_4potFrigoNom" type="decimale1"/>`
	`  <xs:element name="L4_4potFrigoAssorb" type="decimale1"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **rowGF/sezRaffreddamentoFrigo/L4_4raffrescam**

diagram	
namespace	libretto
type	**efficienzaFrigo**
properties	content simple
facets	Kind Value Annotation minInclusive 1.00 maxInclusive 10.00 fractionDigits 2
source	`<xs:element name="L4_4raffrescam" type="efficienzaFrigo"/>`

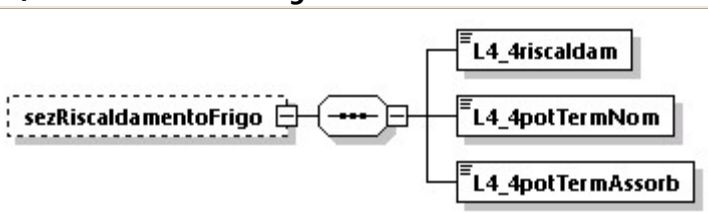
element **rowGF/sezRaffreddamentoFrigo/L4_4potFrigoNom**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L4_4potFrigoNom" type="decimale1"/>`

element **rowGF/sezRaffreddamentoFrigo/L4_4potFrigoAssorb**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L4_4potFrigoAssorb" type="decimale1"/>`

element **rowGF/sezRiscaldamentoFrigo**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc 1 content complex

children	**L4_4riscaldam L4_4potTermNom L4_4potTermAssorb**
source	<xs:element name="sezRiscaldamentoFrigo" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="L4_4riscaldam" type="efficienzaFrigo"/> <xs:element name="L4_4potTermNom" type="decimale1"/> <xs:element name="L4_4potTermAssorb" type="decimale1"/> </xs:sequence> </xs:complexType> </xs:element>

element **rowGF/sezRiscaldamentoFrigo/L4_4riscaldam**

diagram	
namespace	libretto
type	**efficienzaFrigo**
properties	content simple
facets	Kind Value Annotation minInclusive 1.00 maxInclusive 10.00 fractionDigits 2
source	<xs:element name="L4_4riscaldam" type="efficienzaFrigo"/>

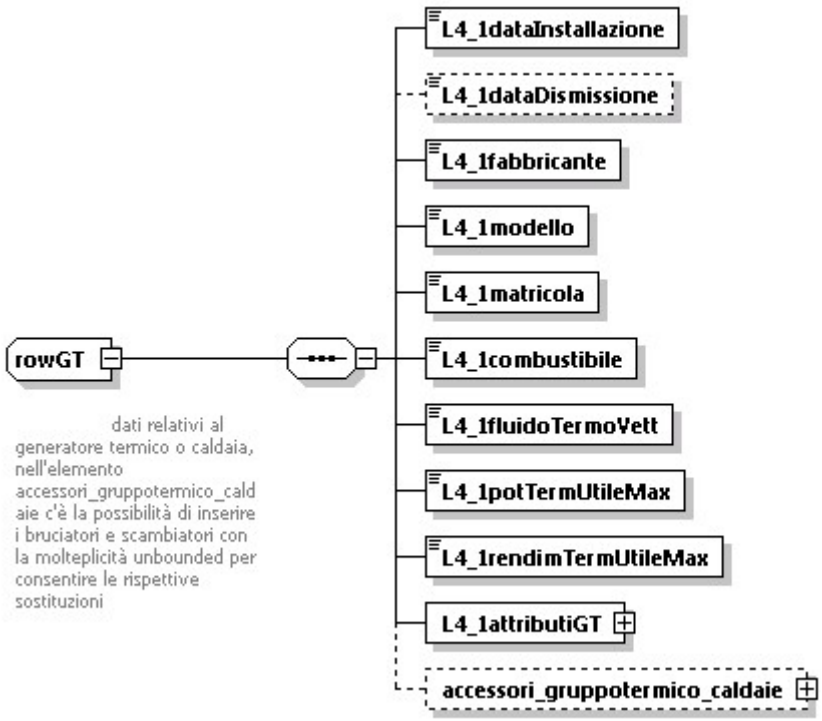
element **rowGF/sezRiscaldamentoFrigo/L4_4potTermNom**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_4potTermNom" type="decimale1"/>

element **rowGF/sezRiscaldamentoFrigo/L4_4potTermAssorb**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L4_4potTermAssorb" type="decimale1"/>

complexType **rowGT**

diagram	
namespace	libretto
children	**L4_1dataInstallazione** **L4_1dataDismissione** **L4_1fabbricante** **L4_1modello** **L4_1matricola** **L4_1combustibile** **L4_1fluidoTermoVett** **L4_1potTermUtileMax** **L4_1rendimTermUtileMax** **L4_1attributiGT** **accessori_gruppotermico_caldaie**
used by	element **impianto/scheda_4_generatori/gruppotermico_caldaie/rowGT**
annotation	documentation dati relativi al generatore termico o caldaia, nell'elemento accessori_gruppotermico_caldaie c'è la possibilità di inserire i bruciatori e scambiatori con la molteplicità unbounded per consentire le rispettive sostituzioni

source

```
<xs:complexType name="rowGT">
  <xs:annotation>
    <xs:documentation>
                dati relativi al generatore termico o caldaia, nell'elemento
accessori_gruppotermico_caldaie c'è la possibilità di inserire i bruciatori e
scambiatori con la molteplicità unbounded per consentire le rispettive
sostituzioni
                </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L4_1dataInstallazione" type="data"/>
    <xs:element name="L4_1dataDismissione" type="data" minOccurs="0"/>
    <xs:element name="L4_1fabbricante" type="fabbricante"/>
    <xs:element name="L4_1modello" type="xs:string"/>
    <xs:element name="L4_1matricola" type="xs:string"/>
    <xs:element name="L4_1combustibile" type="combustibile"/>
    <xs:element name="L4_1fluidoTermoVett" type="fluidoTermoVett"/>
    <xs:element name="L4_1potTermUtileMax" type="decimale1"/>
    <xs:element name="L4_1rendimTermUtileMax" type="rendimento"/>
    <xs:element name="L4_1attributiGT" type="attributiGT"/>
    <xs:element name="accessori_gruppotermico_caldaie" minOccurs="0">
      <xs:complexType>
        <xs:choice maxOccurs="unbounded">
          <xs:element name="sezBR">
            <xs:complexType>
              <xs:sequence>
```

```
                <xs:element name="L4_2numBR" type="xs:integer"/>
                <xs:element name="rowBR" type="rowBR" maxOccurs="unbounded"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="sezRC">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="L4_3numRC" type="xs:integer"/>
                <xs:element name="rowRC" type="rowRC" maxOccurs="unbounded"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **rowGT/L4_1dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_1dataInstallazione" type="data"/>`

element **rowGT/L4_1dataDismissione**

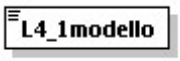
diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_1dataDismissione" type="data" minOccurs="0"/>`

element **rowGT/L4_1fabbricante**

diagram	
namespace	libretto
type	**fabbricante**

properties	content simple
source	<xs:element name="L4_1fabbricante" type="fabbricante"/>

element **rowGT/L4_1modello**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	<xs:element name="L4_1modello" type="xs:string"/>

element **rowGT/L4_1matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	<xs:element name="L4_1matricola" type="xs:string"/>

element **rowGT/L4_1combustibile**

diagram	
namespace	libretto
type	**combustibile**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 24
source	<xs:element name="L4_1combustibile" type="combustibile"/>

element **rowGT/L4_1fluidoTermoVett**

diagram	
namespace	libretto
type	**fluidoTermoVett**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 5
source	<xs:element name="L4_1fluidoTermoVett" type="fluidoTermoVett"/>

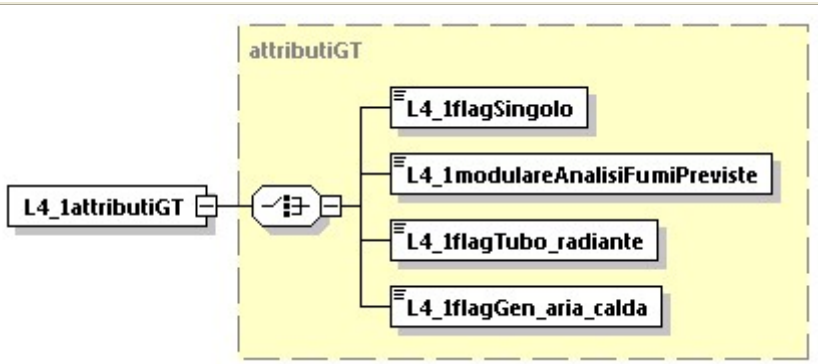
element **rowGT/L4_1potTermUtileMax**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L4_1potTermUtileMax" type="decimale1"/>`

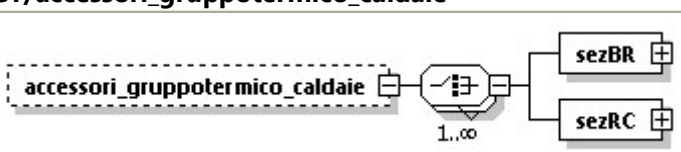
element **rowGT/L4_1rendimTermUtileMax**

diagram	
namespace	libretto
type	**rendimento**
properties	content simple
facets	Kind Value Annotation minInclusive 0.0 maxInclusive 200.0 fractionDigits 1
source	`<xs:element name="L4_1rendimTermUtileMax" type="rendimento"/>`

element **rowGT/L4_1attributiGT**

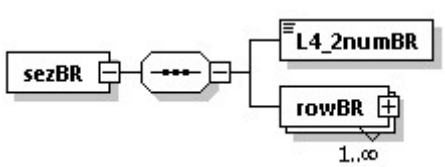
diagram	
namespace	libretto
type	**attributiGT**
properties	content complex
children	**L4_1flagSingolo L4_1modulareAnalisiFumiPreviste L4_1flagTubo_radiante L4_1flagGen_aria_calda**
source	`<xs:element name="L4_1attributiGT" type="attributiGT"/>`

element **rowGT/accessori_gruppotermico_caldaie**

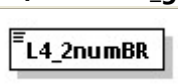
diagram	
namespace	libretto

properties	minOcc 0 maxOcc 1 content complex
children	**sezBR sezRC**
source	<xs:element name="accessori_gruppotermico_caldaie" minOccurs="0"> <xs:complexType> <xs:choice maxOccurs="unbounded"> <xs:element name="sezBR"> <xs:complexType> <xs:sequence> <xs:element name="L4_2numBR" type="xs:integer"/> <xs:element name="rowBR" type="rowBR" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="sezRC"> <xs:complexType> <xs:sequence> <xs:element name="L4_3numRC" type="xs:integer"/> <xs:element name="rowRC" type="rowRC" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element>

element **rowGT/accessori_gruppotermico_caldaie/sezBR**

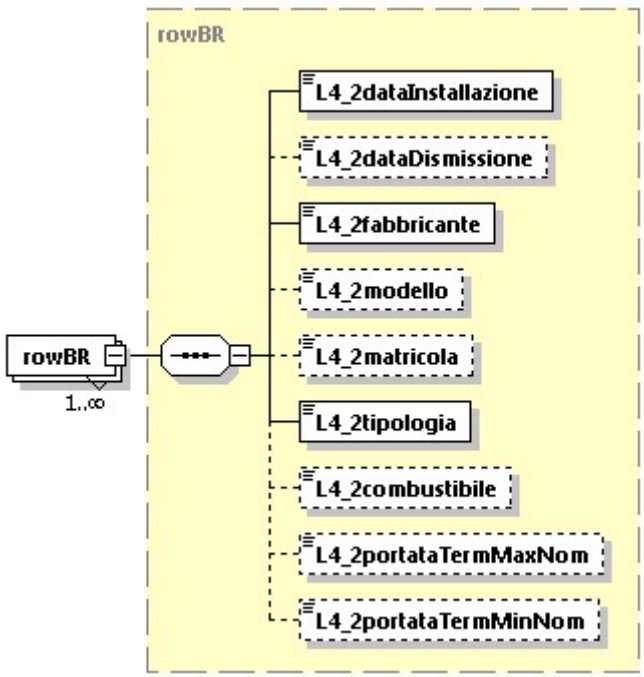
diagram	
namespace	libretto
properties	content complex
children	**L4_2numBR rowBR**
source	<xs:element name="sezBR"> <xs:complexType> <xs:sequence> <xs:element name="L4_2numBR" type="xs:integer"/> <xs:element name="rowBR" type="rowBR" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **rowGT/accessori_gruppotermico_caldaie/sezBR/L4_2numBR**

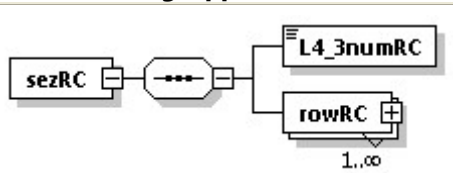
diagram	
namespace	libretto
type	**xs:integer**
properties	content simple

source	<xs:element name="L4_2numBR" type="xs:integer"/>

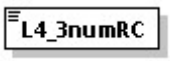
element **rowGT/accessori_gruppotermico_caldaie/sezBR/rowBR**

diagram	
namespace	libretto
type	**rowBR**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_2dataInstallazione L4_2dataDismissione L4_2fabbricante L4_2modello L4_2matricola L4_2tipologia L4_2combustibile L4_2portataTermMaxNom L4_2portataTermMinNom**
source	<xs:element name="rowBR" type="rowBR" maxOccurs="unbounded"/>

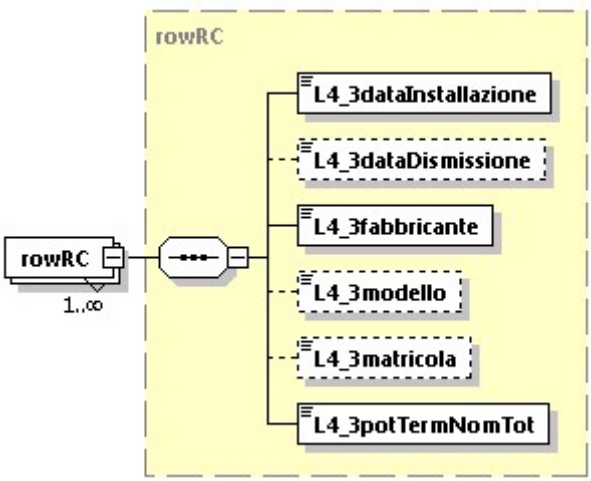
element **rowGT/accessori_gruppotermico_caldaie/sezRC**

diagram	
namespace	libretto
properties	content complex
children	**L4_3numRC rowRC**
source	<xs:element name="sezRC"> <xs:complexType> <xs:sequence> <xs:element name="L4_3numRC" type="xs:integer"/> <xs:element name="rowRC" type="rowRC" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

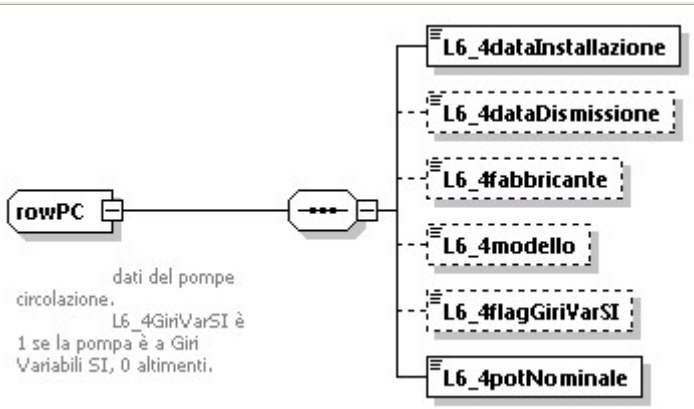
element **rowGT/accessori_gruppotermico_caldaie/sezRC/L4_3numRC**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L4_3numRC" type="xs:integer"/>`

element **rowGT/accessori_gruppotermico_caldaie/sezRC/rowRC**

diagram	
namespace	libretto
type	**rowRC**
properties	minOcc 1 maxOcc unbounded content complex
children	**L4_3dataInstallazione L4_3dataDismissione L4_3fabbricante L4_3modello L4_3matricola L4_3potTermNomTot**
source	`<xs:element name="rowRC" type="rowRC" maxOccurs="unbounded"/>`

complexType **rowPC**

diagram	
namespace	libretto
children	**L6_4dataInstallazione L6_4dataDismissione L6_4fabbricante L6_4modello L6_4flagGiriVarSI L6_4potNominale**
used by	element **impianto/scheda_6_sistema_distribuzione/L6_4PompeCircolazione/rowPC**

annotation	documentation dati del pompe circolazione. L6_4GiriVarSI è 1 se la pompa è a Giri Variabili SI, 0 altimenti.
source	<xs:complexType name="rowPC"> <xs:annotation> <xs:documentation> dati del pompe circolazione. L6_4GiriVarSI è 1 se la pompa è a Giri Variabili SI, 0 altimenti. </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="L6_4dataInstallazione" type="data"/> <xs:element name="L6_4dataDismissione" type="data" minOccurs="0"/> <xs:element name="L6_4fabbricante" type="fabbricante" minOccurs="0"/> <xs:element name="L6_4modello" type="xs:string" minOccurs="0"/> <xs:element name="L6_4flagGiriVarSI" type="xs:boolean" minOccurs="0"/> <xs:element name="L6_4potNominale" type="decimale1"/> </xs:sequence> </xs:complexType>

element **rowPC/L6_4dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L6_4dataInstallazione" type="data"/>

element **rowPC/L6_4dataDismissione**

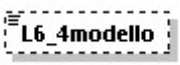
diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L6_4dataDismissione" type="data" minOccurs="0"/>

element **rowPC/L6_4fabbricante**

diagram	

namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L6_4fabbricante" type="fabbricante" minOccurs="0"/>`

element **rowPC/L6_4modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L6_4modello" type="xs:string" minOccurs="0"/>`

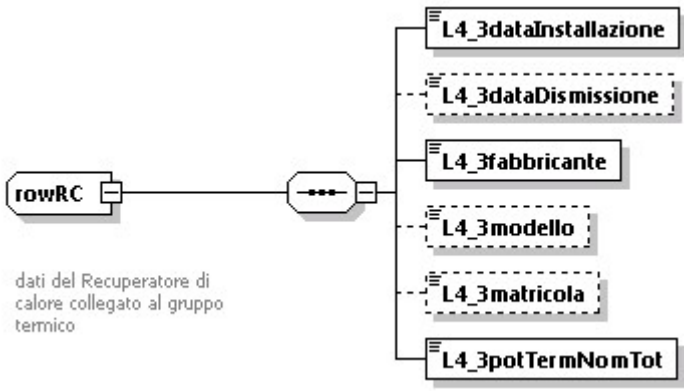
element **rowPC/L6_4flagGiriVarSI**

diagram	
namespace	libretto
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L6_4flagGiriVarSI" type="xs:boolean" minOccurs="0"/>`

element **rowPC/L6_4potNominale**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L6_4potNominale" type="decimale1"/>`

complexType **rowRC**

diagram	
namespace	libretto
children	**L4_3dataInstallazione L4_3dataDismissione L4_3fabbricante L4_3modello L4_3matricola L4_3potTermNomTot**
used by	element **rowGT/accessori_gruppotermico_caldaie/sezRC/rowRC**
annotation	documentation dati del Recuperatore di calore collegato al gruppo termico

source	
	`<xs:complexType name="rowRC">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	dati del Recuperatore di calore collegato al gruppo termico
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L4_3dataInstallazione" type="data"/>`
	`  <xs:element name="L4_3dataDismissione" type="data" minOccurs="0"/>`
	`  <xs:element name="L4_3fabbricante" type="fabbricante"/>`
	`  <xs:element name="L4_3modello" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L4_3matricola" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L4_3potTermNomTot" type="xs:integer"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **rowRC/L4_3dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_3dataInstallazione" type="data"/>`

element **rowRC/L4_3dataDismissione**

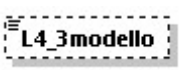
diagram	
namespace	libretto

type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_3dataDismissione" type="data" minOccurs="0"/>`

element **rowRC/L4_3fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_3fabbricante" type="fabbricante"/>`

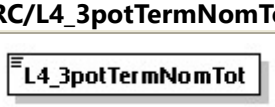
element **rowRC/L4_3modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L4_3modello" type="xs:string" minOccurs="0"/>`

element **rowRC/L4_3matricola**

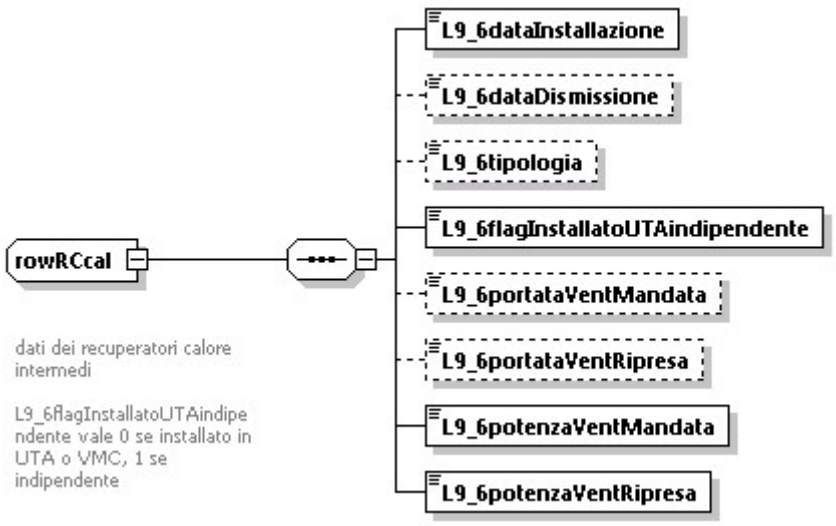
diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L4_3matricola" type="xs:string" minOccurs="0"/>`

element **rowRC/L4_3potTermNomTot**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple

source	<xs:element name="L4_3potTermNomTot" type="xs:integer"/>

complexType **rowRCcal**

diagram	
namespace	libretto
children	**L9_6dataInstallazione** **L9_6dataDismissione** **L9_6tipologia** **L9_6flagInstallatoUTAindipendente** **L9_6portataVentMandata** **L9_6portataVentRipresa** **L9_6potenzaVentMandata** **L9_6potenzaVentRipresa**
used by	element **impianto/scheda_9_altriComponenti/L9_6_AltriComponentiRC/rowRCcal**
annotation	documentation dati dei recuperatori calore intermedi L9_6flagInstallatoUTAindipendente vale 0 se installato in UTA o VMC, 1 se indipendente
source	<xs:complexType name="rowRCcal"> <xs:annotation> <xs:documentation> dati dei recuperatori calore intermedi L9_6flagInstallatoUTAindipendente vale 0 se installato in UTA o VMC, 1 se indipendente </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="L9_6dataInstallazione" type="data"/> <xs:element name="L9_6dataDismissione" type="data" minOccurs="0"/> <xs:element name="L9_6tipologia" type="tipo_scambiatore" minOccurs="0"/> <xs:element name="L9_6flagInstallatoUTAindipendente" type="xs:boolean"/> <xs:element name="L9_6portataVentMandata" type="xs:decimal" minOccurs="0"/> <xs:element name="L9_6portataVentRipresa" type="xs:decimal" minOccurs="0"/> <xs:element name="L9_6potenzaVentMandata" type="xs:decimal"/> <xs:element name="L9_6potenzaVentRipresa" type="xs:decimal"/> </xs:sequence> </xs:complexType>

element **rowRCcal/L9_6dataInstallazione**

diagram	
namespace	libretto
type	**data**

properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L9_6dataInstallazione" type="data"/>

element **rowRCcal/L9_6dataDismissione**

diagram	L9_6dataDismissione
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L9_6dataDismissione" type="data" minOccurs="0"/>

element **rowRCcal/L9_6tipologia**

diagram	L9_6tipologia
namespace	libretto
type	**tipo_scambiatore**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 5
source	<xs:element name="L9_6tipologia" type="tipo_scambiatore" minOccurs="0"/>

element **rowRCcal/L9_6flagInstallatoUTAindipendente**

diagram	L9_6flagInstallatoUTAindipendente
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L9_6flagInstallatoUTAindipendente" type="xs:boolean"/>

element **rowRCcal/L9_6portataVentMandata**

diagram	L9_6portataVentMandata

namespace	libretto
type	**xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L9_6portataVentMandata" type="xs:decimal" minOccurs="0"/>

element **rowRCcal/L9_6portataVentRipresa**

diagram	
namespace	libretto
type	**xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L9_6portataVentRipresa" type="xs:decimal" minOccurs="0"/>

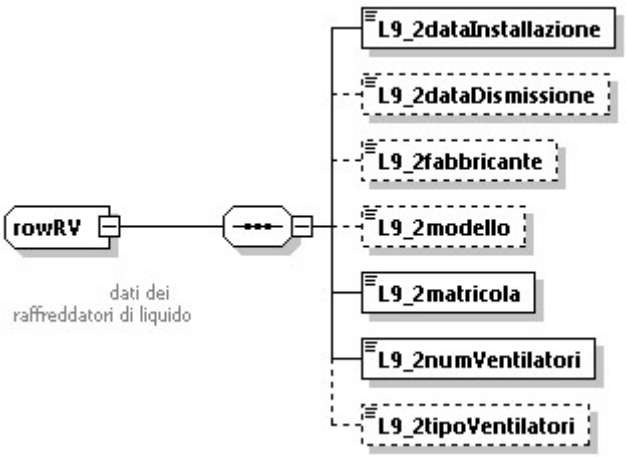
element **rowRCcal/L9_6potenzaVentMandata**

diagram	
namespace	libretto
type	**xs:decimal**
properties	content simple
source	<xs:element name="L9_6potenzaVentMandata" type="xs:decimal"/>

element **rowRCcal/L9_6potenzaVentRipresa**

diagram	
namespace	libretto
type	**xs:decimal**
properties	content simple
source	<xs:element name="L9_6potenzaVentRipresa" type="xs:decimal"/>

complexType **rowRV**

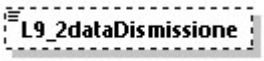
diagram	
namespace	libretto
children	**L9_2dataInstallazione** **L9_2dataDismissione** **L9_2fabbricante** **L9_2modello** **L9_2matricola** **L9_2numVentilatori** **L9_2tipoVentilatori**
used by	element **impianto/scheda_9_altriComponenti/L9_2_AltriComponentiRV/rowRV**
annotation	documentation dati dei raffreddatori di liquido

source	`<xs:complexType name="rowRV">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  dati dei raffreddatori di liquido`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L9_2dataInstallazione" type="data"/>`
	`  <xs:element name="L9_2dataDismissione" type="data" minOccurs="0"/>`
	`  <xs:element name="L9_2fabbricante" type="fabbricante" minOccurs="0"/>`
	`  <xs:element name="L9_2modello" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L9_2matricola" type="xs:string"/>`
	`  <xs:element name="L9_2numVentilatori" type="xs:integer"/>`
	`  <xs:element name="L9_2tipoVentilatori" type="tipo_ventilatori" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **rowRV/L9_2dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L9_2dataInstallazione" type="data"/>`

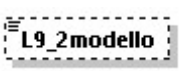
element **rowRV/L9_2dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L9_2dataDismissione" type="data" minOccurs="0"/>`

element **rowRV/L9_2fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L9_2fabbricante" type="fabbricante" minOccurs="0"/>`

element **rowRV/L9_2modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L9_2modello" type="xs:string" minOccurs="0"/>`

element **rowRV/L9_2matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L9_2matricola" type="xs:string"/>`

element **rowRV/L9_2numVentilatori**

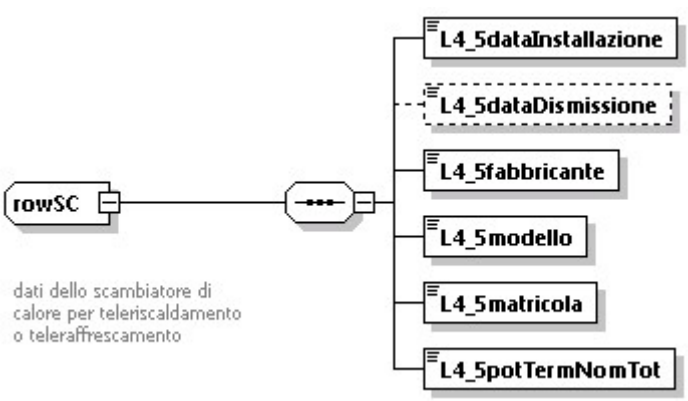
diagram	

namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_2numVentilatori" type="xs:integer"/>`

element **rowRV/L9_2tipoVentilatori**

diagram	
namespace	libretto
type	**tipo_ventilatori**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
source	`<xs:element name="L9_2tipoVentilatori" type="tipo_ventilatori" minOccurs="0"/>`

complexType **rowSC**

diagram	
namespace	libretto
children	**L4_5dataInstallazione L4_5dataDismissione L4_5fabbricante L4_5modello L4_5matricola L4_5potTermNomTot**
used by	element **impianto/scheda_4_generatori/scambiatore/rowSC**
annotation	documentation dati dello scambiatore di calore per teleriscaldamento o teleraffrescamento

source	`<xs:complexType name="rowSC">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`dati dello scambiatore di calore per teleriscaldamento o teleraffrescamento`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L4_5dataInstallazione" type="data"/>`
	`  <xs:element name="L4_5dataDismissione" type="data" minOccurs="0"/>`
	`  <xs:element name="L4_5fabbricante" type="fabbricante"/>`
	`  <xs:element name="L4_5modello" type="xs:string"/>`
	`  <xs:element name="L4_5matricola" type="xs:string"/>`

```
    <xs:element name="L4_5potTermNomTot" type="decimale1"/>
  </xs:sequence>
</xs:complexType>
```

element **rowSC/L4_5dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_5dataInstallazione" type="data"/>`

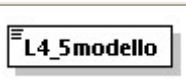
element **rowSC/L4_5dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L4_5dataDismissione" type="data" minOccurs="0"/>`

element **rowSC/L4_5fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L4_5fabbricante" type="fabbricante"/>`

element **rowSC/L4_5modello**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_5modello" type="xs:string"/>`

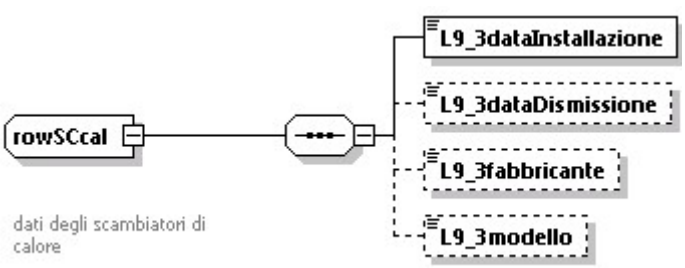
element **rowSC/L4_5matricola**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L4_5matricola" type="xs:string"/>`

element **rowSC/L4_5potTermNomTot**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L4_5potTermNomTot" type="decimale1"/>`

complexType **rowSCcal**

diagram	
namespace	libretto
children	**L9_3dataInstallazione L9_3dataDismissione L9_3fabbricante L9_3modello**
used by	element **impianto/scheda_9_altriComponenti/L9_3_AltriComponentiSC/rowSCcal**
annotation	documentation dati degli scambiatori di calore

source	`<xs:complexType name="rowSCcal">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`dati degli scambiatori di calore`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L9_3dataInstallazione" type="data"/>`
	`  <xs:element name="L9_3dataDismissione" type="data" minOccurs="0"/>`
	`  <xs:element name="L9_3fabbricante" type="fabbricante" minOccurs="0"/>`
	`  <xs:element name="L9_3modello" type="xs:string" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **rowSCcal/L9_3dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L9_3dataInstallazione" type="data"/>`

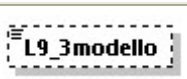
element **rowSCcal/L9_3dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L9_3dataDismissione" type="data" minOccurs="0"/>`

element **rowSCcal/L9_3fabbricante**

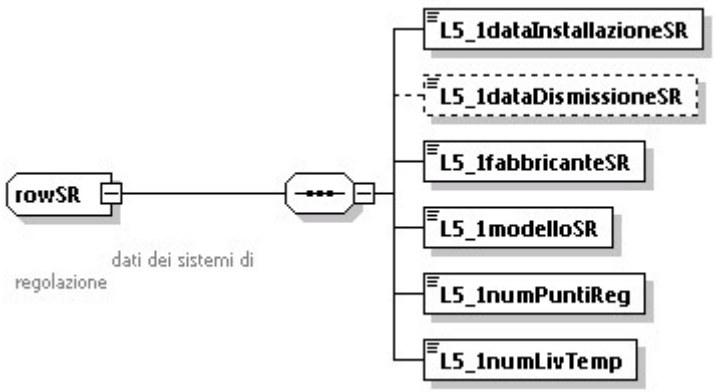
diagram	
namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L9_3fabbricante" type="fabbricante" minOccurs="0"/>`

element **rowSCcal/L9_3modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple

source	<xs:element name="L9_3modello" type="xs:string" minOccurs="0"/>

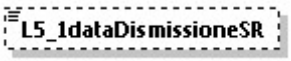
complexType **rowSR**

diagram	
namespace	libretto
children	**L5_1dataInstallazioneSR L5_1dataDismissioneSR L5_1fabbricanteSR L5_1modelloSR L5_1numPuntiReg L5_1numLivTemp**
used by	element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1flagSistemaRegolazioneCurvaIndipendente**
annotation	documentation dati dei sistemi di regolazione
source	<xs:complexType name="rowSR"> <xs:annotation> <xs:documentation> dati dei sistemi di regolazione </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="L5_1dataInstallazioneSR" type="data"/> <xs:element name="L5_1dataDismissioneSR" type="data" minOccurs="0"/> <xs:element name="L5_1fabbricanteSR" type="fabbricante"/> <xs:element name="L5_1modelloSR" type="xs:string"/> <xs:element name="L5_1numPuntiReg" type="xs:integer"/> <xs:element name="L5_1numLivTemp" type="xs:integer"/> </xs:sequence> </xs:complexType>

element **rowSR/L5_1dataInstallazioneSR**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L5_1dataInstallazioneSR" type="data"/>

element **rowSR/L5_1dataDismissioneSR**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L5_1dataDismissioneSR" type="data" minOccurs="0"/>`

element **rowSR/L5_1fabbricanteSR**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L5_1fabbricanteSR" type="fabbricante"/>`

element **rowSR/L5_1modelloSR**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L5_1modelloSR" type="xs:string"/>`

element **rowSR/L5_1numPuntiReg**

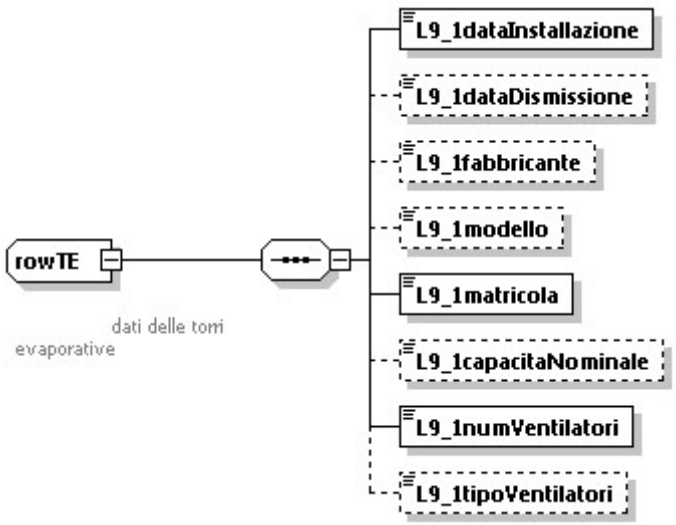
diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L5_1numPuntiReg" type="xs:integer"/>`

element **rowSR/L5_1numLivTemp**

diagram	
namespace	libretto
type	**xs:integer**

properties	content simple
source	`<xs:element name="L5_1numLivTemp" type="xs:integer"/>`

complexType **rowTE**

diagram	
namespace	libretto
children	**L9_1dataInstallazione L9_1dataDismissione L9_1fabbricante L9_1modello L9_1matricola L9_1capacitaNominale L9_1numVentilatori L9_1tipoVentilatori**
used by	element **impianto/scheda_9_altriComponenti/L9_1_AltriComponentiTE/rowTE**
annotation	documentation dati delle torri evaporative

source	`<xs:complexType name="rowTE">`
	`<xs:annotation>`
	`<xs:documentation>`
	`dati delle torri evaporative`
	`</xs:documentation>`
	`</xs:annotation>`
	`<xs:sequence>`
	`<xs:element name="L9_1dataInstallazione" type="data"/>`
	`<xs:element name="L9_1dataDismissione" type="data" minOccurs="0"/>`
	`<xs:element name="L9_1fabbricante" type="fabbricante" minOccurs="0"/>`
	`<xs:element name="L9_1modello" type="xs:string" minOccurs="0"/>`
	`<xs:element name="L9_1matricola" type="xs:string"/>`
	`<xs:element name="L9_1capacitaNominale" type="decimale1" minOccurs="0"/>`
	`<xs:element name="L9_1numVentilatori" type="xs:integer"/>`
	`<xs:element name="L9_1tipoVentilatori" type="tipo_ventilatori" minOccurs="0"/>`
	`</xs:sequence>`
	`</xs:complexType>`

element **rowTE/L9_1dataInstallazione**

diagram	
namespace	libretto
type	**data**

properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L9_1dataInstallazione" type="data"/>

element **rowTE/L9_1dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L9_1dataDismissione" type="data" minOccurs="0"/>

element **rowTE/L9_1fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L9_1fabbricante" type="fabbricante" minOccurs="0"/>

element **rowTE/L9_1modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L9_1modello" type="xs:string" minOccurs="0"/>

element **rowTE/L9_1matricola**

diagram	
namespace	libretto

type	**xs:string**
properties	content simple
source	`<xs:element name="L9_1matricola" type="xs:string"/>`

element **rowTE/L9_1capacitaNominale**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L9_1capacitaNominale" type="decimale1" minOccurs="0"/>`

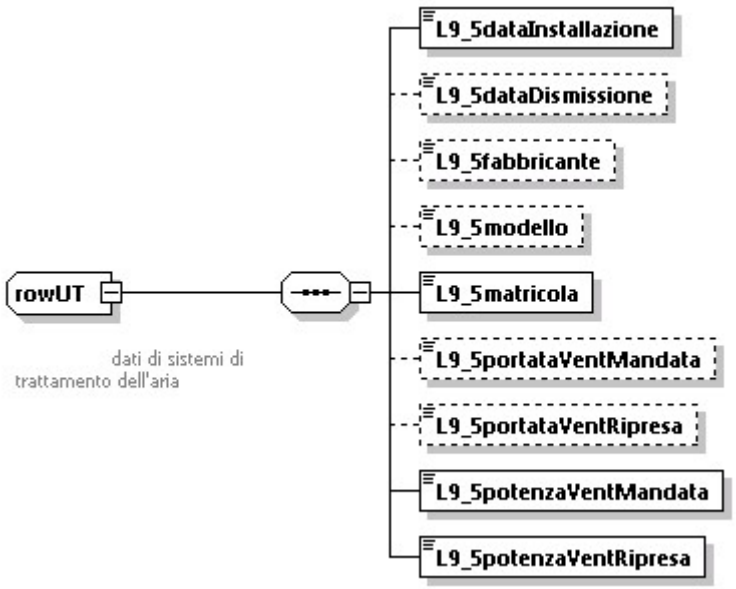
element **rowTE/L9_1numVentilatori**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L9_1numVentilatori" type="xs:integer"/>`

element **rowTE/L9_1tipoVentilatori**

diagram	
namespace	libretto
type	**tipo_ventilatori**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
source	`<xs:element name="L9_1tipoVentilatori" type="tipo_ventilatori" minOccurs="0"/>`

complexType **rowUT**

diagram	
namespace	libretto
children	**L9_5dataInstallazione** **L9_5dataDismissione** **L9_5fabbricante** **L9_5modello** **L9_5matricola** **L9_5portataVentMandata** **L9_5portataVentRipresa** **L9_5potenzaVentMandata** **L9_5potenzaVentRipresa**
used by	element **impianto/scheda_9_altriComponenti/L9_5_AltriComponentiUT/rowUT**
annotation	documentation dati di sistemi di trattamento dell'aria

source

```
<xs:complexType name="rowUT">
  <xs:annotation>
    <xs:documentation>
                dati di sistemi di trattamento dell'aria
                </xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L9_5dataInstallazione" type="data"/>
    <xs:element name="L9_5dataDismissione" type="data" minOccurs="0"/>
    <xs:element name="L9_5fabbricante" type="fabbricante" minOccurs="0"/>
    <xs:element name="L9_5modello" type="xs:string" minOccurs="0"/>
    <xs:element name="L9_5matricola" type="xs:string"/>
    <xs:element name="L9_5portataVentMandata" type="decimale1" minOccurs="0"/>
    <xs:element name="L9_5portataVentRipresa" type="decimale1" minOccurs="0"/>
    <xs:element name="L9_5potenzaVentMandata" type="decimale1"/>
    <xs:element name="L9_5potenzaVentRipresa" type="decimale1"/>
  </xs:sequence>
</xs:complexType>
```

element **rowUT/L9_5dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple

facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L9_5dataInstallazione" type="data"/>

element **rowUT/L9_5dataDismissione**

diagram	L9_5dataDismissione
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L9_5dataDismissione" type="data" minOccurs="0"/>

element **rowUT/L9_5fabbricante**

diagram	L9_5fabbricante
namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L9_5fabbricante" type="fabbricante" minOccurs="0"/>

element **rowUT/L9_5modello**

diagram	L9_5modello
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L9_5modello" type="xs:string" minOccurs="0"/>

element **rowUT/L9_5matricola**

diagram	L9_5matricola
namespace	libretto
type	**xs:string**

properties	content simple
source	<xs:element name="L9_5matricola" type="xs:string"/>

element **rowUT/L9_5portataVentMandata**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L9_5portataVentMandata" type="decimale1" minOccurs="0"/>

element **rowUT/L9_5portataVentRipresa**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L9_5portataVentRipresa" type="decimale1" minOccurs="0"/>

element **rowUT/L9_5potenzaVentMandata**

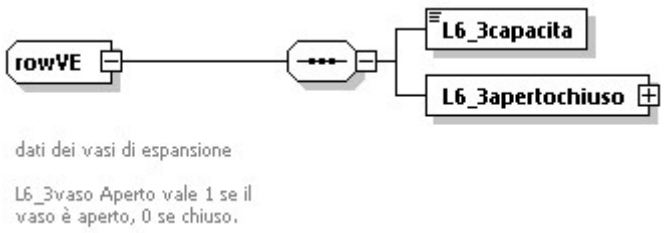
diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L9_5potenzaVentMandata" type="decimale1"/>

element **rowUT/L9_5potenzaVentRipresa**

diagram	
namespace	libretto
type	**decimale1**

properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L9_5potenzaVentRipresa" type="decimale1"/>`

complexType **rowVE**

diagram	
namespace	libretto
children	**L6_3capacita** **L6_3apertochiuso**
used by	element **impianto/scheda_6_sistema_distribuzione/L6_3VasiEspansione/rowVE**
annotation	documentation dati dei vasi di espansione L6_3vaso Aperto vale 1 se il vaso è aperto, 0 se chiuso.

source

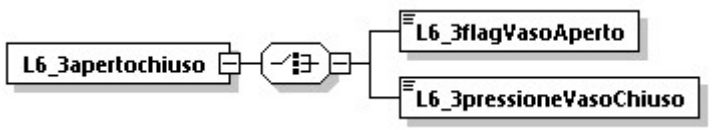
```
<xs:complexType name="rowVE">
  <xs:annotation>
    <xs:documentation>
dati dei vasi di espansione
L6_3vaso Aperto vale 1 se il vaso è aperto, 0 se chiuso.
</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L6_3capacita" type="decimale1"/>
    <xs:element name="L6_3apertochiuso">
      <xs:complexType>
        <xs:annotation>
          <xs:documentation>
                          il vaso può essere di tipo aperto o chiuso. Nel primo
caso L6_3flagVasoAperto=1, nel secondo L6_3pressioneVasoChiuso indica la pressione
del vaso chiuso.
                      </xs:documentation>
        </xs:annotation>
        <xs:choice>
          <xs:element name="L6_3flagVasoAperto" type="xs:boolean" fixed="true"/>
          <xs:element name="L6_3pressioneVasoChiuso" type="decimale1"/>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **rowVE/L6_3capacita**

diagram	
namespace	libretto

type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L6_3capacita" type="decimale1"/>`

element **rowVE/L6_3apertochiuso**

diagram	
namespace	libretto
properties	content complex
children	**L6_3flagVasoAperto L6_3pressioneVasoChiuso**

source	`<xs:element name="L6_3apertochiuso">`
	`  <xs:complexType>`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  il vaso può essere di tipo aperto o chiuso. Nel primo caso L6_3flagVasoAperto=1, nel secondo L6_3pressioneVasoChiuso indica la pressione del vaso chiuso.`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:choice>`
	`  <xs:element name="L6_3flagVasoAperto" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L6_3pressioneVasoChiuso" type="decimale1"/>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`</xs:element>`

element **rowVE/L6_3apertochiuso/L6_3flagVasoAperto**

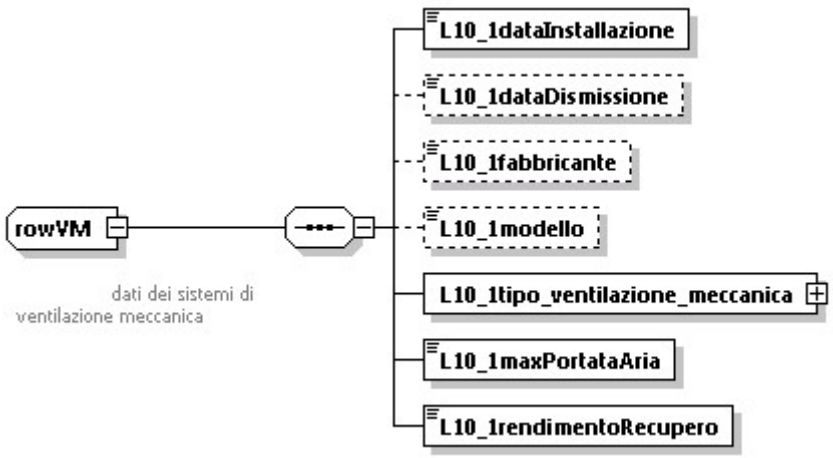
diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L6_3flagVasoAperto" type="xs:boolean" fixed="true"/>`

element **rowVE/L6_3apertochiuso/L6_3pressioneVasoChiuso**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple

facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L6_3pressioneVasoChiuso" type="decimale1"/>`

complexType **rowVM**

diagram	
namespace	libretto
children	**L10_1dataInstallazione** **L10_1dataDismissione** **L10_1fabbricante** **L10_1modello** **L10_1tipo_ventilazione_meccanica** **L10_1maxPortataAria** **L10_1rendimentoRecupero**
used by	element **impianto/scheda_10_ventilazione/L10_1VentilazMeccanicaVM/rowVM**
annotation	documentation dati dei sistemi di ventilazione meccanica

source	`<xs:complexType name="rowVM">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  dati dei sistemi di ventilazione meccanica`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L10_1dataInstallazione" type="data"/>`
	`  <xs:element name="L10_1dataDismissione" type="data" minOccurs="0"/>`
	`  <xs:element name="L10_1fabbricante" type="fabbricante" minOccurs="0"/>`
	`  <xs:element name="L10_1modello" type="xs:string" minOccurs="0"/>`
	`  <xs:element name="L10_1tipo_ventilazione_meccanica"`
	`type="tipo_ventilazione_meccanica"/>`
	`  <xs:element name="L10_1maxPortataAria" type="decimale1"/>`
	`  <xs:element name="L10_1rendimentoRecupero" type="rendimento"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **rowVM/L10_1dataInstallazione**

diagram	
namespace	libretto
type	**data**
properties	content simple

facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L10_1dataInstallazione" type="data"/>

element **rowVM/L10_1dataDismissione**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	<xs:element name="L10_1dataDismissione" type="data" minOccurs="0"/>

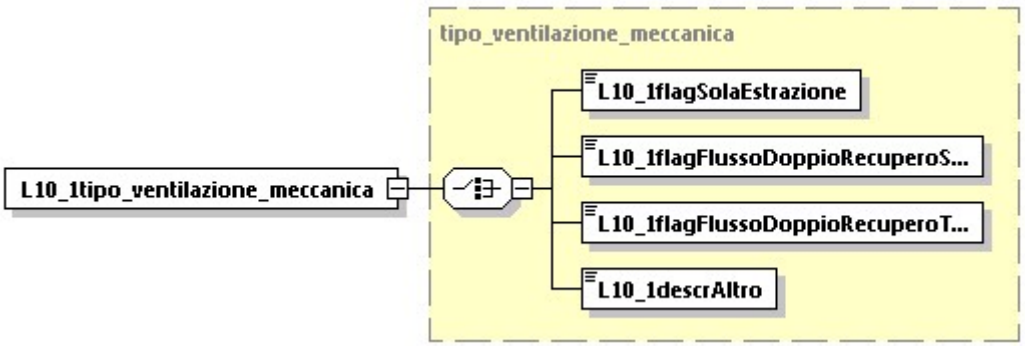
element **rowVM/L10_1fabbricante**

diagram	
namespace	libretto
type	**fabbricante**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L10_1fabbricante" type="fabbricante" minOccurs="0"/>

element **rowVM/L10_1modello**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L10_1modello" type="xs:string" minOccurs="0"/>

element **rowVM/L10_1tipo_ventilazione_meccanica**

diagram	
namespace	libretto
type	**tipo_ventilazione_meccanica**
properties	content complex
children	**L10_1flagSolaEstrazione** **L10_1flagFlussoDoppioRecuperoScambiatoreFlussiIncrociati** **L10_1flagFlussoDoppioRecuperoTermodinamico** **L10_1descrAltro**
source	`<xs:element name="L10_1tipo_ventilazione_meccanica" type="tipo_ventilazione_meccanica"/>`

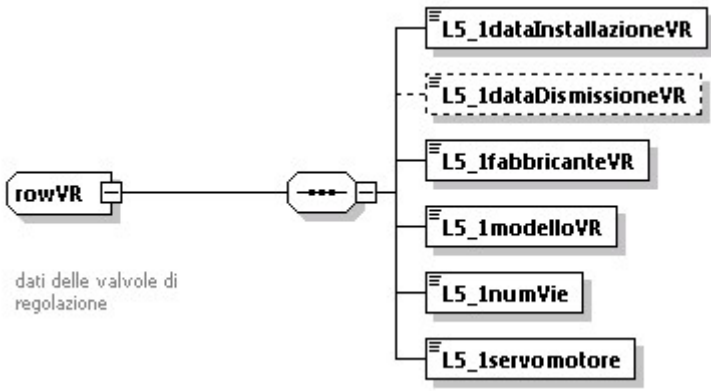
element **rowVM/L10_1maxPortataAria**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L10_1maxPortataAria" type="decimale1"/>`

element **rowVM/L10_1rendimentoRecupero**

diagram	
namespace	libretto
type	**rendimento**
properties	content simple
facets	Kind Value Annotation minInclusive 0.0 maxInclusive 200.0 fractionDigits 1
source	`<xs:element name="L10_1rendimentoRecupero" type="rendimento"/>`

complexType **rowVR**

diagram	
namespace	libretto
children	**L5_1dataInstallazioneVR L5_1dataDismissioneVR L5_1fabbricanteVR L5_1modelloVR L5_1numVie L5_1servomotore**
used by	element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_1valvoleRegolazione**
annotation	documentation dati delle valvole di regolazione

source	`<xs:complexType name="rowVR">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`dati delle valvole di regolazione`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="L5_1dataInstallazioneVR" type="data"/>`
	`  <xs:element name="L5_1dataDismissioneVR" type="data" minOccurs="0"/>`
	`  <xs:element name="L5_1fabbricanteVR" type="fabbricante"/>`
	`  <xs:element name="L5_1modelloVR" type="xs:string"/>`
	`  <xs:element name="L5_1numVie" type="xs:integer"/>`
	`  <xs:element name="L5_1servomotore" type="xs:string"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **rowVR/L5_1dataInstallazioneVR**

diagram	
namespace	libretto
type	**data**
properties	content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L5_1dataInstallazioneVR" type="data"/>`

element **rowVR/L5_1dataDismissioneVR**

diagram	
namespace	libretto

type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L5_1dataDismissioneVR" type="data" minOccurs="0"/>`

element **rowVR/L5_1fabbricanteVR**

diagram	
namespace	libretto
type	**fabbricante**
properties	content simple
source	`<xs:element name="L5_1fabbricanteVR" type="fabbricante"/>`

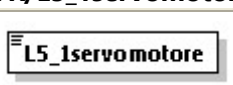
element **rowVR/L5_1modelloVR**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L5_1modelloVR" type="xs:string"/>`

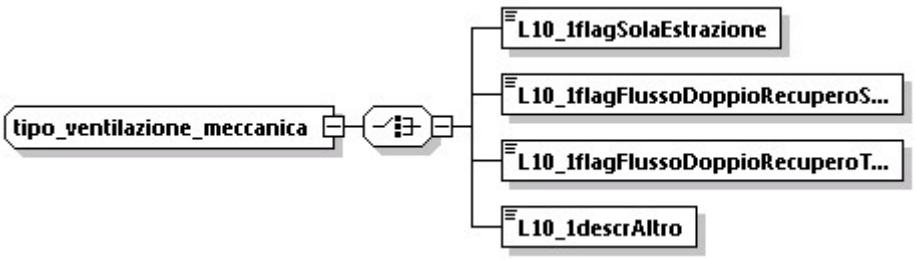
element **rowVR/L5_1numVie**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L5_1numVie" type="xs:integer"/>`

element **rowVR/L5_1servomotore**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L5_1servomotore" type="xs:string"/>`

complexType **tipo_ventilazione_meccanica**

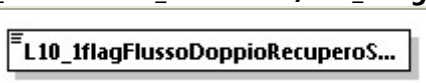
diagram	
namespace	libretto
children	**L10_1flagSolaEstrazione L10_1flagFlussoDoppioRecuperoScambiatoreFlussiIncrociati L10_1flagFlussoDoppioRecuperoTermodinamico L10_1descrAltro**
used by	element **rowVM/L10_1tipo_ventilazione_meccanica**

source	`<xs:complexType name="tipo_ventilazione_meccanica">`
	`  <xs:choice>`
	`  <xs:element name="L10_1flagSolaEstrazione" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L10_1flagFlussoDoppioRecuperoScambiatoreFlussiIncrociati" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L10_1flagFlussoDoppioRecuperoTermodinamico" type="xs:boolean" fixed="true"/>`
	`  <xs:element name="L10_1descrAltro" type="xs:string"/>`
	`  </xs:choice>`
	`</xs:complexType>`

element **tipo_ventilazione_meccanica/L10_1flagSolaEstrazione**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L10_1flagSolaEstrazione" type="xs:boolean" fixed="true"/>`

element **tipo_ventilazione_meccanica/L10_1flagFlussoDoppioRecuperoScambiatoreFlussiIncrociati**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L10_1flagFlussoDoppioRecuperoScambiatoreFlussiIncrociati" type="xs:boolean" fixed="true"/>`

element **tipo_ventilazione_meccanica/L10_1flagFlussoDoppioRecuperoTermodinamico**

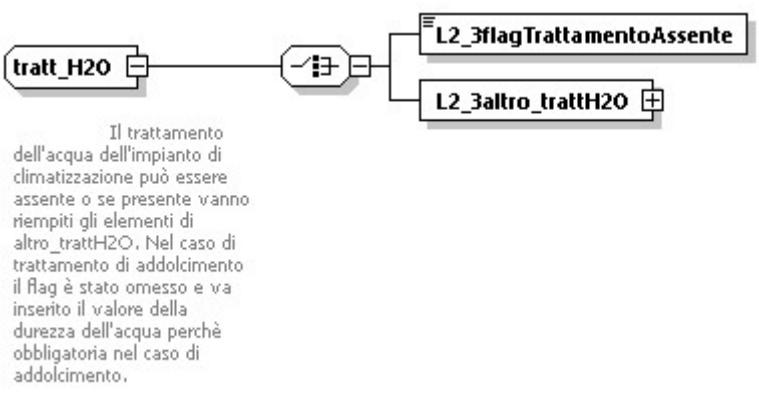
diagram	
namespace	libretto

type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L10_1flagFlussoDoppioRecuperoTermodinamico" type="xs:boolean" fixed="true"/>`

element **tipo_ventilazione_meccanica/L10_1descrAltro**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	`<xs:element name="L10_1descrAltro" type="xs:string"/>`

complexType **tratt_H2O**

diagram	
namespace	libretto
children	**L2_3flagTrattamentoAssente** **L2_3altro_trattH2O**
used by	element **impianto/scheda_2_trattamento_acqua/L2_3sez_tratt_H2O**
annotation	documentation Il trattamento dell'acqua dell'impianto di climatizzazione può essere assente o se presente vanno riempiti gli elementi di altro_trattH2O. Nel caso di trattamento di addolcimento il flag è stato omesso e va inserito il valore della durezza dell'acqua perchè obbligatoria nel caso di addolcimento.

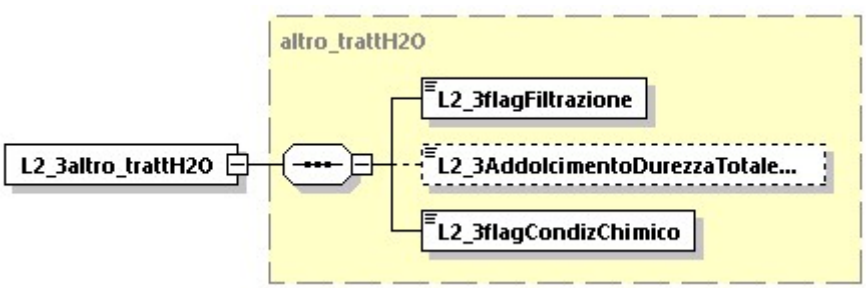
source

```
<xs:complexType name="tratt_H2O">
  <xs:annotation>
    <xs:documentation>
                Il trattamento dell'acqua dell'impianto di climatizzazione può
essere assente o se presente vanno riempiti gli elementi di altro_trattH2O. Nel
caso di trattamento di addolcimento il flag è stato omesso e va inserito il valore
della durezza dell'acqua perchè obbligatoria nel caso di addolcimento.
                </xs:documentation>
  </xs:annotation>
  <xs:choice>
    <xs:element name="L2_3flagTrattamentoAssente" type="xs:boolean" fixed="true"/>
    <xs:element name="L2_3altro_trattH2O" type="altro_trattH2O"/>
  </xs:choice>
</xs:complexType>
```

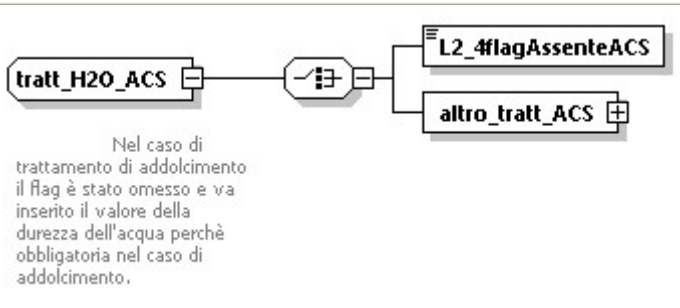
element **tratt_H2O/L2_3flagTrattamentoAssente**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_3flagTrattamentoAssente" type="xs:boolean" fixed="true"/>`

element **tratt_H2O/L2_3altro_trattH2O**

diagram	
namespace	libretto
type	**altro_trattH2O**
properties	content complex
children	**L2_3flagFiltrazione L2_3AddolcimentoDurezzaTotaleH2O L2_3flagCondizChimico**
source	`<xs:element name="L2_3altro_trattH2O" type="altro_trattH2O"/>`

complexType **tratt_H2O_ACS**

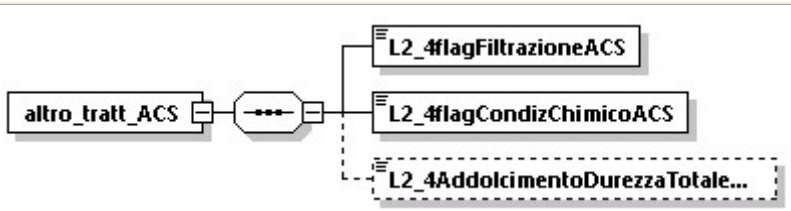
diagram	

namespace	libretto
children	**L2_4flagAssenteACS altro_tratt_ACS**
used by	element **impianto/scheda_2_trattamento_acqua/L2_4sez_tratt_H2O_ACS**
annotation	documentation Nel caso di trattamento di addolcimento il flag è stato omesso e va inserito il valore della durezza dell'acqua perchè obbligatoria nel caso di addolcimento.
source	<xs:complexType name="tratt_H2O_ACS"> <xs:annotation> <xs:documentation> Nel caso di trattamento di addolcimento il flag è stato omesso e va inserito il valore della durezza dell'acqua perchè obbligatoria nel caso di addolcimento. </xs:documentation> </xs:annotation> <xs:choice> <xs:element name="L2_4flagAssenteACS" type="xs:boolean" fixed="true"/> <xs:element name="altro_tratt_ACS"> <xs:complexType> <xs:sequence> <xs:element name="L2_4flagFiltrazioneACS" type="xs:boolean"/> <xs:element name="L2_4flagCondizChimicoACS" type="xs:boolean"/> <xs:element name="L2_4AddolcimentoDurezzaTotaleH2OACS" type="decimale1" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType>

element **tratt_H2O_ACS/L2_4flagAssenteACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_4flagAssenteACS" type="xs:boolean" fixed="true"/>

element **tratt_H2O_ACS/altro_tratt_ACS**

diagram	
namespace	libretto
properties	content complex
children	**L2_4flagFiltrazioneACS L2_4flagCondizChimicoACS L2_4AddolcimentoDurezzaTotaleH2OACS**

source	<xs:element name="altro_tratt_ACS"> <xs:complexType> <xs:sequence> <xs:element name="L2_4flagFiltrazioneACS" type="xs:boolean"/> <xs:element name="L2_4flagCondizChimicoACS" type="xs:boolean"/> <xs:element name="L2_4AddolcimentoDurezzaTotaleH2OACS" type="decimale1" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **tratt_H2O_ACS/altro_tratt_ACS/L2_4flagFiltrazioneACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L2_4flagFiltrazioneACS" type="xs:boolean"/>

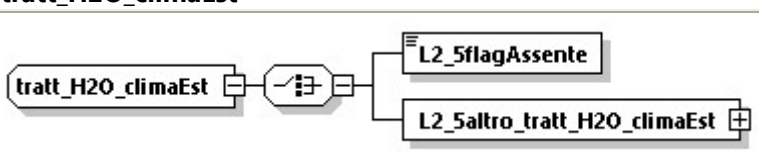
element **tratt_H2O_ACS/altro_tratt_ACS/L2_4flagCondizChimicoACS**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple
source	<xs:element name="L2_4flagCondizChimicoACS" type="xs:boolean"/>

element **tratt_H2O_ACS/altro_tratt_ACS/L2_4AddolcimentoDurezzaTotaleH2OACS**

diagram	
namespace	libretto
type	**decimale1**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L2_4AddolcimentoDurezzaTotaleH2OACS" type="decimale1" minOccurs="0"/>

complexType **tratt_H2O_climaEst**

diagram	

namespace	libretto
children	**L2_5flagAssente** **L2_5altro_tratt_H2O_climaEst**
used by	element **impianto/scheda_2_trattamento_acqua/L2_5sez_tratt_H2O_climaEst**

source

```
<xs:complexType name="tratt_H2O_climaEst">
  <xs:choice>
    <xs:element name="L2_5flagAssente" type="xs:boolean" fixed="true"/>
    <xs:element name="L2_5altro_tratt_H2O_climaEst">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L2_5circuito_raffreddamento"
type="tipo_circuito_raffreddamento" minOccurs="0"/>
          <xs:element name="L2_5origine_H2O_alimento" type="origine_H2O_alimento"
minOccurs="0"/>
          <xs:element name="L2_5tratt_H2O_esist" type="tratt_H2O_esist"
minOccurs="0"/>
          <xs:element name="L2_5gestione_torre_raff" type="gestione_torre_raff"
minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:choice>
</xs:complexType>
```

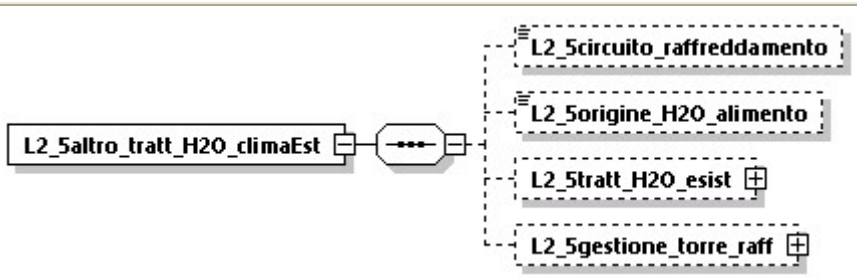
element **tratt_H2O_climaEst/L2_5flagAssente**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true

source

```
<xs:element name="L2_5flagAssente" type="xs:boolean" fixed="true"/>
```

element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst**

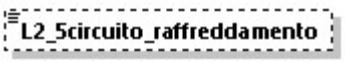
diagram	
namespace	libretto
properties	content complex
children	**L2_5circuito_raffreddamento** **L2_5origine_H2O_alimento** **L2_5tratt_H2O_esist** **L2_5gestione_torre_raff**

source

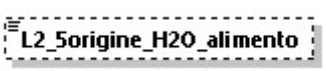
```
<xs:element name="L2_5altro_tratt_H2O_climaEst">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L2_5circuito_raffreddamento"
type="tipo_circuito_raffreddamento" minOccurs="0"/>
      <xs:element name="L2_5origine_H2O_alimento" type="origine_H2O_alimento"
```

```
minOccurs="0"/>
      <xs:element name="L2_5tratt_H2O_esist" type="tratt_H2O_esist"
minOccurs="0"/>
      <xs:element name="L2_5gestione_torre_raff" type="gestione_torre_raff"
minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

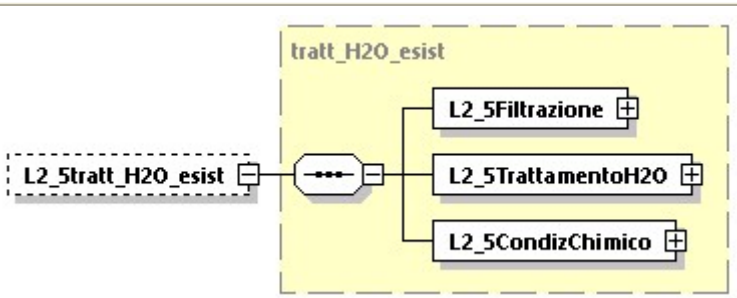
element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5circuito_raffreddamento**

diagram	
namespace	libretto
type	**tipo_circuito_raffreddamento**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
source	`<xs:element name="L2_5circuito_raffreddamento" type="tipo_circuito_raffreddamento" minOccurs="0"/>`

element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5origine_H2O_alimento**

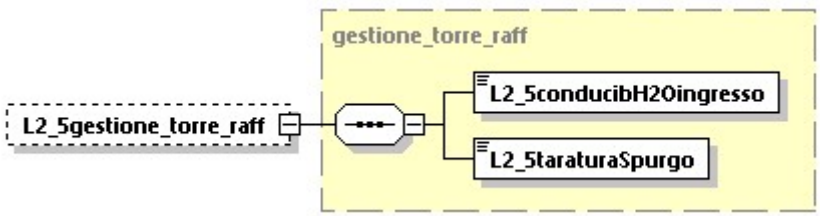
diagram	
namespace	libretto
type	**origine_H2O_alimento**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
source	`<xs:element name="L2_5origine_H2O_alimento" type="origine_H2O_alimento" minOccurs="0"/>`

element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5tratt_H2O_esist**

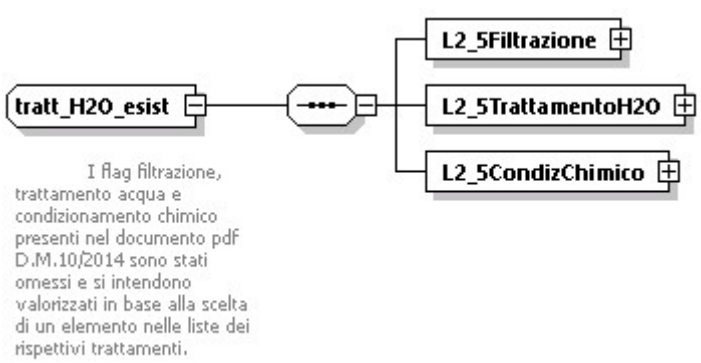
diagram	
namespace	libretto
type	**tratt_H2O_esist**

properties	minOcc 0 maxOcc 1 content complex
children	**L2_5Filtrazione L2_5TrattamentoH2O L2_5CondizChimico**
source	`<xs:element name="L2_5tratt_H2O_esist" type="tratt_H2O_esist" minOccurs="0"/>`

element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5gestione_torre_raff**

diagram	
namespace	libretto
type	**gestione_torre_raff**
properties	minOcc 0 maxOcc 1 content complex
children	**L2_5conducibH2Oingresso L2_5taraturaSpurgo**
source	`<xs:element name="L2_5gestione_torre_raff" type="gestione_torre_raff" minOccurs="0"/>`

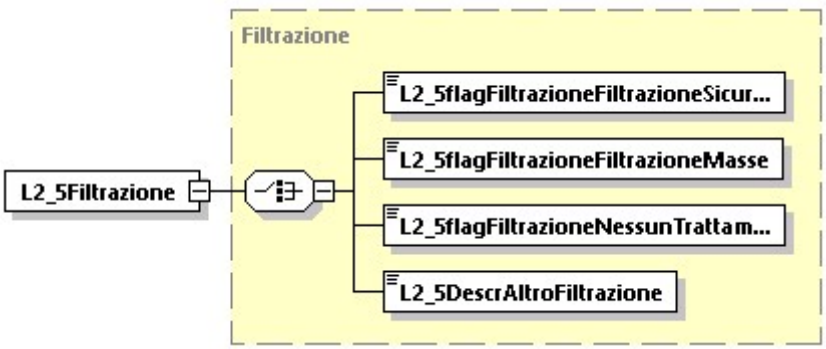
complexType **tratt_H2O_esist**

diagram	
namespace	libretto
children	**L2_5Filtrazione L2_5TrattamentoH2O L2_5CondizChimico**
used by	element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5tratt_H2O_esist**
annotation	documentation I flag filtrazione, trattamento acqua e condizionamento chimico presenti nel documento pdf D.M.10/2014 sono stati omessi e si intendono valorizzati in base alla scelta di un elemento nelle liste dei rispettivi trattamenti.

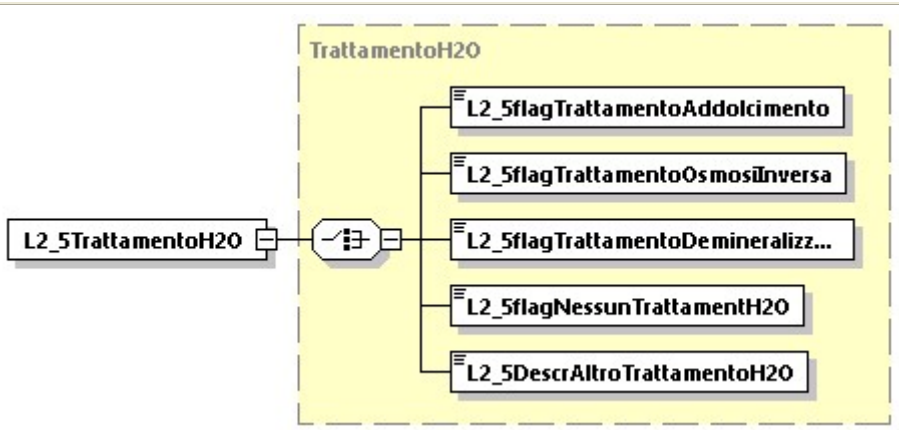
source	`<xs:complexType name="tratt_H2O_esist">`
	`<xs:annotation>`
	`<xs:documentation>`
	I flag filtrazione, trattamento acqua e condizionamento chimico presenti nel documento pdf D.M.10/2014 sono stati omessi e si intendono valorizzati in base alla scelta di un elemento nelle liste dei rispettivi trattamenti.
	`</xs:documentation>`

```
    </xs:annotation>
    <xs:sequence>
      <xs:element name="L2_5Filtrazione" type="Filtrazione"/>
      <xs:element name="L2_5TrattamentoH2O" type="TrattamentoH2O"/>
      <xs:element name="L2_5CondizChimico" type="CondizChimico"/>
    </xs:sequence>
  </xs:complexType>
```

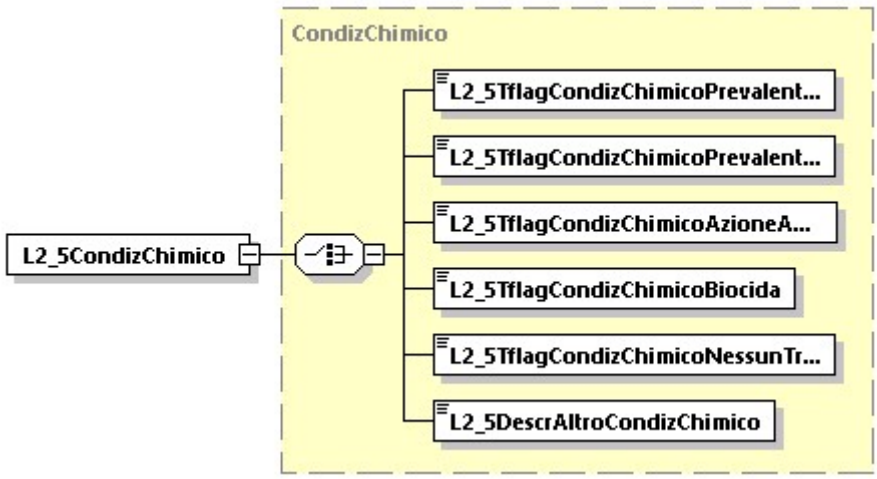
element **tratt_H2O_esist/L2_5Filtrazione**

diagram	
namespace	libretto
type	**Filtrazione**
properties	content complex
children	**L2_5flagFiltrazioneFiltrazioneSicurezza** **L2_5flagFiltrazioneFiltrazioneMasse** **L2_5flagFiltrazioneNessunTrattamento** **L2_5DescrAltroFiltrazione**
source	`<xs:element name="L2_5Filtrazione" type="Filtrazione"/>`

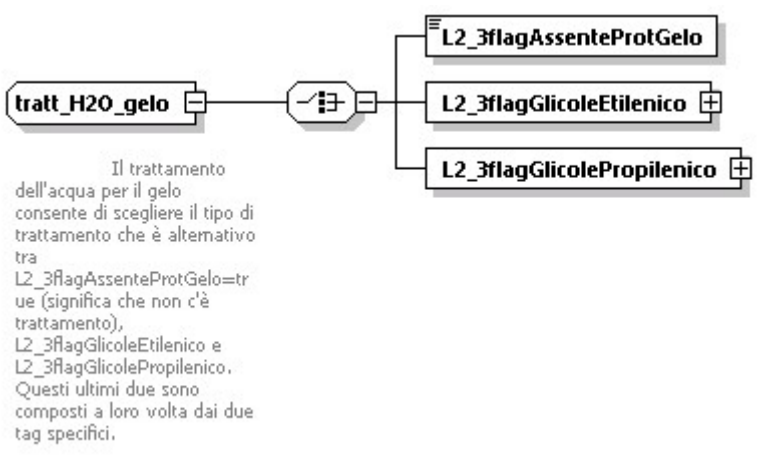
element **tratt_H2O_esist/L2_5TrattamentoH2O**

diagram	
namespace	libretto
type	**TrattamentoH2O**
properties	content complex
children	**L2_5flagTrattamentoAddolcimento** **L2_5flagTrattamentoOsmosiInversa** **L2_5flagTrattamentoDemineralizzazione** **L2_5flagNessunTrattamentH2O** **L2_5DescrAltroTrattamentoH2O**
source	`<xs:element name="L2_5TrattamentoH2O" type="TrattamentoH2O"/>`

element **tratt_H2O_esist/L2_5CondizChimico**

diagram	
namespace	libretto
type	**CondizChimico**
properties	content complex
children	**L2_5TflagCondizChimicoPrevalenteAzioneAntincrostante** **L2_5TflagCondizChimicoPrevalenteAzioneAnticorrosiva** **L2_5TflagCondizChimicoAzioneAntincrostanteAnticorrosiva** **L2_5TflagCondizChimicoBiocida** **L2_5TflagCondizChimicoNessunTrattamento** **L2_5DescrAltroCondizChimico**
source	`<xs:element name="L2_5CondizChimico" type="CondizChimico"/>`

complexType **tratt_H2O_gelo**

diagram	
namespace	libretto
children	**L2_3flagAssenteProtGelo** **L2_3flagGlicoleEtilenico** **L2_3flagGlicolePropilenico**
used by	element **impianto/scheda_2_trattamento_acqua/L2_3sez_tratt_H2O_gelo**
annotation	documentation Il trattamento dell'acqua per il gelo consente di scegliere il tipo di trattamento che è alternativo tra L2_3flagAssenteProtGelo=true (significa che non c'è trattamento), L2_3flagGlicoleEtilenico e L2_3flagGlicolePropilenico. Questi ultimi due sono composti a loro volta dai due tag specifici.

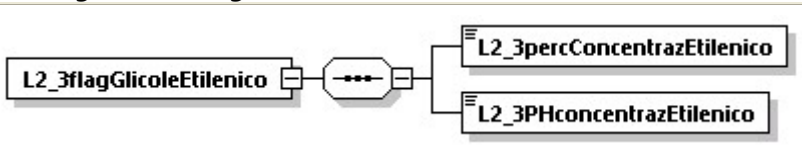
source	`<xs:complexType name="tratt_H2O_gelo">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  Il trattamento dell'acqua per il gelo consente di scegliere il tipo di trattamento che è alternativo tra L2_3flagAssenteProtGelo=true (significa`

```
che non c'è trattamento), L2_3flagGlicoleEtilenico e L2_3flagGlicolePropilenico.
Questi ultimi due sono composti a loro volta dai due tag specifici.
                </xs:documentation>
  </xs:annotation>
  <xs:choice>
    <xs:element name="L2_3flagAssenteProtGelo" type="xs:boolean" fixed="true"/>
    <xs:element name="L2_3flagGlicoleEtilenico">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L2_3percConcentrazEtilenico" type="decimale1"/>
          <xs:element name="L2_3PHconcentrazEtilenico" type="decimale1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="L2_3flagGlicolePropilenico">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L2_3percConcentrazPropilenico" type="decimale1"/>
          <xs:element name="L2_3PHconcentrazPropilenico" type="decimale1"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:choice>
</xs:complexType>
```

element **tratt_H2O_gelo/L2_3flagAssenteProtGelo**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	`<xs:element name="L2_3flagAssenteProtGelo" type="xs:boolean" fixed="true"/>`

element **tratt_H2O_gelo/L2_3flagGlicoleEtilenico**

diagram	
namespace	libretto
properties	content complex
children	**L2_3percConcentrazEtilenico L2_3PHconcentrazEtilenico**

source	`<xs:element name="L2_3flagGlicoleEtilenico">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L2_3percConcentrazEtilenico" type="decimale1"/>`
	`  <xs:element name="L2_3PHconcentrazEtilenico" type="decimale1"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

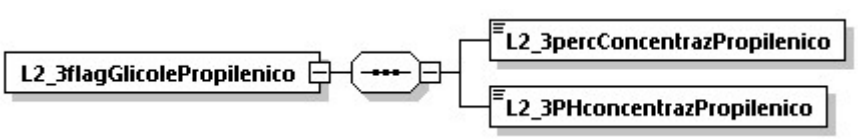
element **tratt_H2O_gelo/L2_3flagGlicoleEtilenico/L2_3percConcentrazEtilenico**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_3percConcentrazEtilenico" type="decimale1"/>`

element **tratt_H2O_gelo/L2_3flagGlicoleEtilenico/L2_3PHconcentrazEtilenico**

diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	`<xs:element name="L2_3PHconcentrazEtilenico" type="decimale1"/>`

element **tratt_H2O_gelo/L2_3flagGlicolePropilenico**

diagram	
namespace	libretto
properties	content complex
children	**L2_3percConcentrazPropilenico L2_3PHconcentrazPropilenico**

source	`<xs:element name="L2_3flagGlicolePropilenico">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="L2_3percConcentrazPropilenico" type="decimale1"/>`
	`  <xs:element name="L2_3PHconcentrazPropilenico" type="decimale1"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **tratt_H2O_gelo/L2_3flagGlicolePropilenico/L2_3percConcentrazPropilenico**

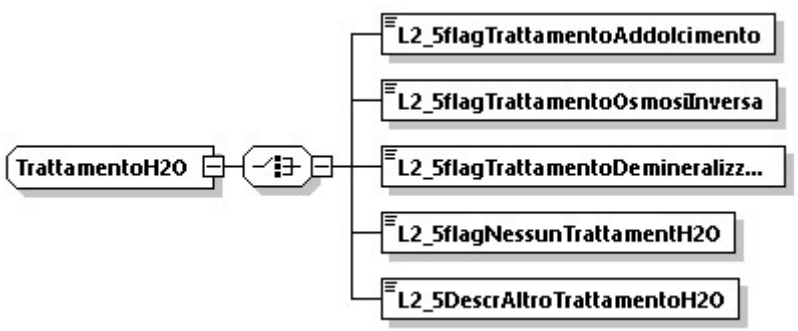
diagram	
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1

source	<xs:element name="L2_3percConcentrazPropilenico" type="decimale1"/>

element **tratt_H2O_gelo/L2_3flagGlicolePropilenico/L2_3PHconcentrazPropilenico**

diagram	L2_3PHconcentrazPropilenico
namespace	libretto
type	**decimale1**
properties	content simple
facets	Kind Value Annotation fractionDigits 1
source	<xs:element name="L2_3PHconcentrazPropilenico" type="decimale1"/>

complexType **TrattamentoH2O**

diagram	
namespace	libretto
children	**L2_5flagTrattamentoAddolcimento L2_5flagTrattamentoOsmosiInversa L2_5flagTrattamentoDemineralizzazione L2_5flagNessunTrattamentH2O L2_5DescrAltroTrattamentoH2O**
used by	element **tratt_H2O_esist/L2_5TrattamentoH2O**
source	<xs:complexType name="TrattamentoH2O"> <xs:choice> <xs:element name="L2_5flagTrattamentoAddolcimento" type="xs:boolean" fixed="true"/> <xs:element name="L2_5flagTrattamentoOsmosiInversa" type="xs:boolean" fixed="true"/> <xs:element name="L2_5flagTrattamentoDemineralizzazione" type="xs:boolean" fixed="true"/> <xs:element name="L2_5flagNessunTrattamentH2O" type="xs:boolean" fixed="true"/> <xs:element name="L2_5DescrAltroTrattamentoH2O" type="xs:string"/> </xs:choice> </xs:complexType>

element **TrattamentoH2O/L2_5flagTrattamentoAddolcimento**

diagram	L2_5flagTrattamentoAddolcimento
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true

source	<xs:element name="L2_5flagTrattamentoAddolcimento" type="xs:boolean" fixed="true"/>

element **TrattamentoH2O/L2_5flagTrattamentoOsmosiInversa**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_5flagTrattamentoOsmosiInversa" type="xs:boolean" fixed="true"/>

element **TrattamentoH2O/L2_5flagTrattamentoDemineralizzazione**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_5flagTrattamentoDemineralizzazione" type="xs:boolean" fixed="true"/>

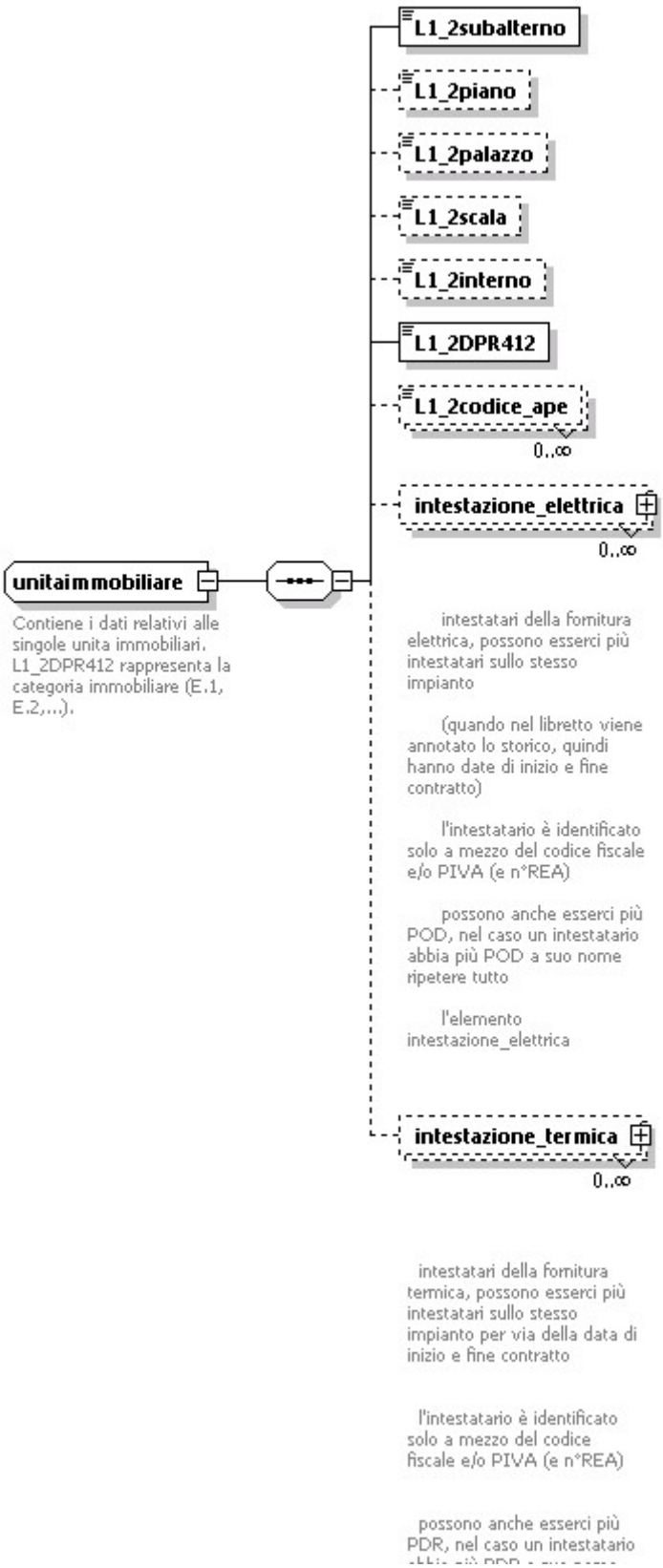
element **TrattamentoH2O/L2_5flagNessunTrattamentH2O**

diagram	
namespace	libretto
type	**xs:boolean**
properties	content simple fixed true
source	<xs:element name="L2_5flagNessunTrattamentH2O" type="xs:boolean" fixed="true"/>

element **TrattamentoH2O/L2_5DescrAltroTrattamentoH2O**

diagram	
namespace	libretto
type	**xs:string**
properties	content simple
source	<xs:element name="L2_5DescrAltroTrattamentoH2O" type="xs:string"/>

complexType **unitaimmobiliare**

diagram	
namespace	libretto
children	**L1_2subalterno** **L1_2piano** **L1_2palazzo** **L1_2scala** **L1_2interno** **L1_2DPR412** **L1_2codice_ape** **intestazione_elettrica** **intestazione_termica**
used by	element **dati_catastali/L1_2unitaimmobiliare**
annotation	documentation Contiene i dati relativi alle singole unita immobiliari. L1_2DPR412 rappresenta la categoria immobiliare (E.1, E.2,...).

source

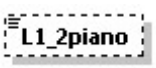
```
<xs:complexType name="unitaimmobiliare">
  <xs:annotation>
    <xs:documentation>Contiene i dati relativi alle singole unita immobiliari.
L1_2DPR412 rappresenta la categoria immobiliare (E.1, E.2,...).</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="L1_2subalterno" type="xs:integer"/>
    <xs:element name="L1_2piano" type="xs:string" minOccurs="0"/>
    <xs:element name="L1_2palazzo" type="xs:string" minOccurs="0"/>
    <xs:element name="L1_2scala" type="xs:string" minOccurs="0"/>
    <xs:element name="L1_2interno" type="xs:string" minOccurs="0"/>
    <xs:element name="L1_2DPR412" type="dpr412"/>
    <xs:element name="L1_2codice_ape" type="xs:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element name="intestazione_elettrica" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>
                                                intestatari della fornitura
elettrica, possono esserci più intestatari sullo stesso impianto
                                                (quando nel libretto viene
annotato lo storico, quindi hanno date di inizio e fine contratto)
                                                l'intestatario è identificato solo
a mezzo del codice fiscale e/o PIVA (e n°REA)
                                                possono anche esserci più POD, nel
caso un intestatario abbia più POD a suo nome ripetere tutto
                                                l'elemento intestazione_elettrica
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L1_2data_inizio_POD" type="data" minOccurs="0"/>
          <xs:element name="L1_2data_fine_POD" type="data" minOccurs="0"/>
          <xs:element name="L1_2POD" type="POD" minOccurs="0"/>
          <xs:element name="L1_2Codice_Fiscale_Persona_Generica_POD"
type="codice_fiscale" minOccurs="0"/>
          <xs:element name="L1_2Partita_Iva_POD" type="partita_IVA"
minOccurs="0"/>
          <xs:element name="L1_2REA_POD" type="REA" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="intestazione_termica" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>
   intestatari della fornitura termica, possono esserci più intestatari sullo
stesso impianto per via della data di inizio e fine contratto
   l'intestatario è identificato solo a mezzo del codice fiscale e/o PIVA (e
n°REA)
   possono anche esserci più PDR, nel caso un intestatario abbia più PDR a suo
nome ripetere tutto l'elemento intestazione_termica
</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="L1_2data_inizio_PDR" type="data" minOccurs="0"/>
          <xs:element name="L1_2data_fine_PDR" type="data" minOccurs="0"/>
          <xs:element name="L1_2PDR" type="PDR" minOccurs="0"/>
          <xs:element name="L1_2Codice_Fiscale_Persona_Generica_PDR"
type="codice_fiscale" minOccurs="0"/>
```

```
          <xs:element name="L1_2Partita_Iva_PDR" type="partita_IVA"
minOccurs="0"/>
          <xs:element name="L1_2REA_PDR" type="REA" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **unitaimmobiliare/L1_2subalterno**

diagram	
namespace	libretto
type	**xs:integer**
properties	content simple
source	`<xs:element name="L1_2subalterno" type="xs:integer"/>`

element **unitaimmobiliare/L1_2piano**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_2piano" type="xs:string" minOccurs="0"/>`

element **unitaimmobiliare/L1_2palazzo**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="L1_2palazzo" type="xs:string" minOccurs="0"/>`

element **unitaimmobiliare/L1_2scala**

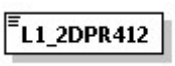
diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple

source	<xs:element name="L1_2scala" type="xs:string" minOccurs="0"/>

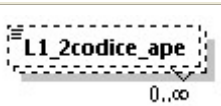
element **unitaimmobiliare/L1_2interno**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="L1_2interno" type="xs:string" minOccurs="0"/>

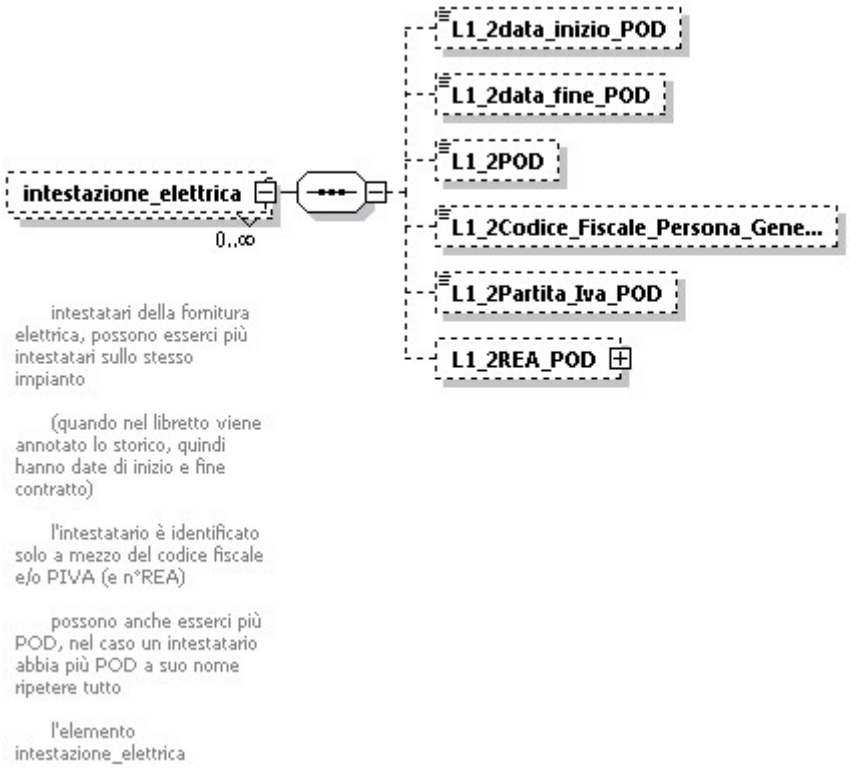
element **unitaimmobiliare/L1_2DPR412**

diagram	
namespace	libretto
type	**dpr412**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 8
source	<xs:element name="L1_2DPR412" type="dpr412"/>

element **unitaimmobiliare/L1_2codice_ape**

diagram	
namespace	libretto
type	**xs:string**
properties	minOcc 0 maxOcc unbounded content simple
source	<xs:element name="L1_2codice_ape" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>

element **unitaimmobiliare/intestazione_elettrica**

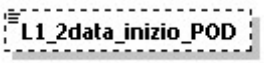
diagram	
namespace	libretto
properties	minOcc 0 maxOcc unbounded content complex
children	**L1_2data_inizio_POD L1_2data_fine_POD L1_2POD L1_2Codice_Fiscale_Persona_Generica_POD L1_2Partita_Iva_POD L1_2REA_POD**
annotation	documentation intestatari della fornitura elettrica, possono esserci più intestatari sullo stesso impianto (quando nel libretto viene annotato lo storico, quindi hanno date di inizio e fine contratto) l'intestatario è identificato solo a mezzo del codice fiscale e/o PIVA (e n°REA) possono anche esserci più POD, nel caso un intestatario abbia più POD a suo nome ripetere tutto l'elemento intestazione_elettrica

source

```
<xs:element name="intestazione_elettrica" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>
                                                    intestatari della fornitura
elettrica, possono esserci più intestatari sullo stesso impianto
                                                    (quando nel libretto viene
annotato lo storico, quindi hanno date di inizio e fine contratto)
                                                    l'intestatario è identificato solo
a mezzo del codice fiscale e/o PIVA (e n°REA)
                                                    possono anche esserci più POD, nel
caso un intestatario abbia più POD a suo nome ripetere tutto
                                                    l'elemento intestazione_elettrica
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L1_2data_inizio_POD" type="data" minOccurs="0"/>
      <xs:element name="L1_2data_fine_POD" type="data" minOccurs="0"/>
      <xs:element name="L1_2POD" type="POD" minOccurs="0"/>
      <xs:element name="L1_2Codice_Fiscale_Persona_Generica_POD"
```

```
type="codice_fiscale" minOccurs="0"/>
      <xs:element name="L1_2Partita_Iva_POD" type="partita_IVA" minOccurs="0"/>
      <xs:element name="L1_2REA_POD" type="REA" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **unitaimmobiliare/intestazione_elettrica/L1_2data_inizio_POD**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L1_2data_inizio_POD" type="data" minOccurs="0"/>`

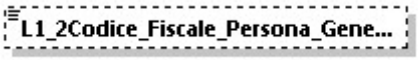
element **unitaimmobiliare/intestazione_elettrica/L1_2data_fine_POD**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L1_2data_fine_POD" type="data" minOccurs="0"/>`

element **unitaimmobiliare/intestazione_elettrica/L1_2POD**

diagram	
namespace	libretto
type	**POD**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 15 pattern [a-zA-Z]{2}[0-9]{3}[a-zA-Z]{1}[0-9]{9}
source	`<xs:element name="L1_2POD" type="POD" minOccurs="0"/>`

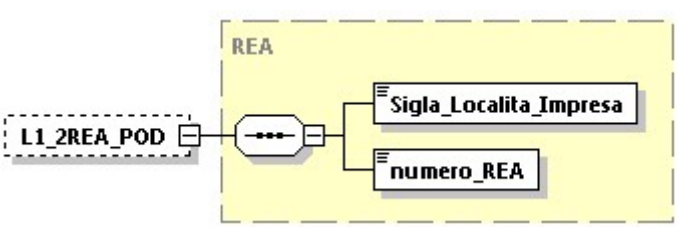
element **unitaimmobiliare/intestazione_elettrica/L1_2Codice_Fiscale_Persona_Generica_POD**

diagram	
namespace	libretto
type	**codice_fiscale**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern [0-9]{11} pattern [A-Z]{6}[0-9LMNPQRSTUV]{2}[ABCDEHLMPRST][0-9LMNPQRSTUV]{2}[A-Z][0-9LMNPQRSTUV]{3}[A-Z]
source	`<xs:element name="L1_2Codice_Fiscale_Persona_Generica_POD" type="codice_fiscale" minOccurs="0"/>`

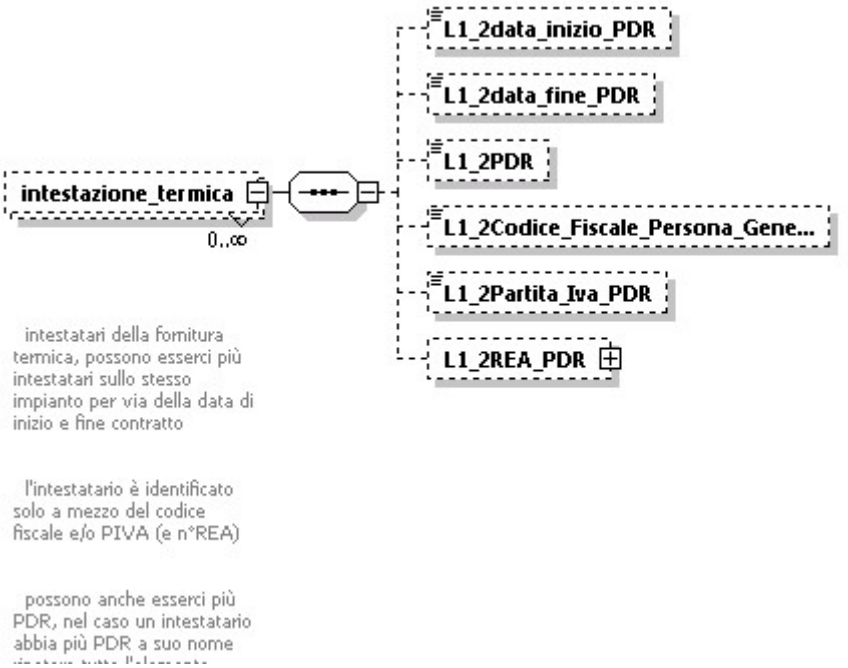
element **unitaimmobiliare/intestazione_elettrica/L1_2Partita_Iva_POD**

diagram	
namespace	libretto
type	**partita_IVA**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 11 pattern [0-9]{11}
source	`<xs:element name="L1_2Partita_Iva_POD" type="partita_IVA" minOccurs="0"/>`

element **unitaimmobiliare/intestazione_elettrica/L1_2REA_POD**

diagram	
namespace	libretto
type	**REA**
properties	minOcc 0 maxOcc 1 content complex
children	**Sigla_Localita_Impresa numero_REA**
source	`<xs:element name="L1_2REA_POD" type="REA" minOccurs="0"/>`

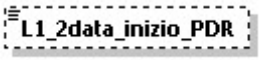
element **unitaimmobiliare/intestazione_termica**

diagram	
namespace	libretto
properties	minOcc 0 maxOcc unbounded content complex
children	**L1_2data_inizio_PDR L1_2data_fine_PDR L1_2PDR L1_2Codice_Fiscale_Persona_Generica_PDR L1_2Partita_Iva_PDR L1_2REA_PDR**
annotation	documentation intestatari della fornitura termica, possono esserci più intestatari sullo stesso impianto per via della data di inizio e fine contratto l'intestatario è identificato solo a mezzo del codice fiscale e/o PIVA (e n°REA) possono anche esserci più PDR, nel caso un intestatario abbia più PDR a suo nome ripetere tutto l'elemento intestazione_termica

source

```
<xs:element name="intestazione_termica" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>
   intestatari della fornitura termica, possono esserci più intestatari sullo stesso impianto per via della data di inizio e fine contratto
   l'intestatario è identificato solo a mezzo del codice fiscale e/o PIVA (e n°REA)
   possono anche esserci più PDR, nel caso un intestatario abbia più PDR a suo nome ripetere tutto l'elemento intestazione_termica
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="L1_2data_inizio_PDR" type="data" minOccurs="0"/>
      <xs:element name="L1_2data_fine_PDR" type="data" minOccurs="0"/>
      <xs:element name="L1_2PDR" type="PDR" minOccurs="0"/>
      <xs:element name="L1_2Codice_Fiscale_Persona_Generica_PDR" type="codice_fiscale" minOccurs="0"/>
      <xs:element name="L1_2Partita_Iva_PDR" type="partita_IVA" minOccurs="0"/>
      <xs:element name="L1_2REA_PDR" type="REA" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

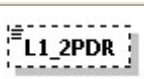
element **unitaimmobiliare/intestazione_termica/L1_2data_inizio_PDR**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L1_2data_inizio_PDR" type="data" minOccurs="0"/>`

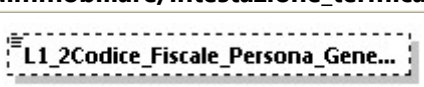
element **unitaimmobiliare/intestazione_termica/L1_2data_fine_PDR**

diagram	
namespace	libretto
type	**data**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31
source	`<xs:element name="L1_2data_fine_PDR" type="data" minOccurs="0"/>`

element **unitaimmobiliare/intestazione_termica/L1_2PDR**

diagram	
namespace	libretto
type	**PDR**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 14 pattern [0-9]{14}
source	`<xs:element name="L1_2PDR" type="PDR" minOccurs="0"/>`

element **unitaimmobiliare/intestazione_termica/L1_2Codice_Fiscale_Persona_Generica_PDR**

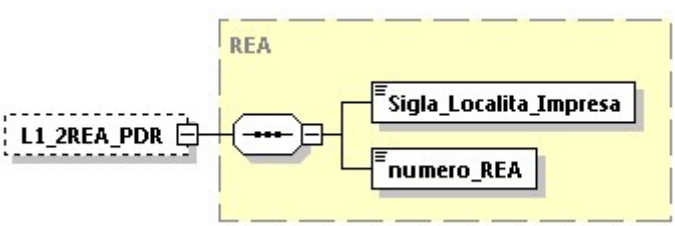
diagram	
namespace	libretto

type	**codice_fiscale**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern [0-9]{11} pattern [A-Z]{6}[0-9LMNPQRSTUV]{2}[ABCDEHLMPRST][0-9LMNPQRSTUV]{2}[A-Z][0-9LMNPQRSTUV]{3}[A-Z]
source	`<xs:element name="L1_2Codice_Fiscale_Persona_Generica_PDR" type="codice_fiscale" minOccurs="0"/>`

element **unitaimmobiliare/intestazione_termica/L1_2Partita_Iva_PDR**

diagram	
namespace	libretto
type	**partita_IVA**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 11 pattern [0-9]{11}
source	`<xs:element name="L1_2Partita_Iva_PDR" type="partita_IVA" minOccurs="0"/>`

element **unitaimmobiliare/intestazione_termica/L1_2REA_PDR**

diagram	
namespace	libretto
type	**REA**
properties	minOcc 0 maxOcc 1 content complex
children	**Sigla_Localita_Impresa** **numero_REA**
source	`<xs:element name="L1_2REA_PDR" type="REA" minOccurs="0"/>`

simpleType **anno**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **consumi_esercizi/consumo_combustibile/L14_1annoFin** **consumi_esercizi/consumo_combustibile/L14_1annoIn** **consumi_esercizi/energia_elettrica/L14_2annoFin** **consumi_esercizi/energia_elettrica/L14_2annoIn** **consumi_esercizi/acqua_impianto_termico/L14_3annoFin** **consumi_esercizi/acqua_impianto_termico**

	/L14_3annoIn consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4annoFin consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4annoIn
facets	Kind Value Annotation minExclusive 1900 maxExclusive 2100
source	<xs:simpleType name="anno"> <xs:restriction base="xs:integer"> <xs:minExclusive value="1900"/> <xs:maxExclusive value="2100"/> </xs:restriction> </xs:simpleType>

simpleType **CAP**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation length 5 pattern [0-9]{5}
source	<xs:simpleType name="CAP"> <xs:restriction base="xs:string"> <xs:length value="5"/> <xs:pattern value="[0-9]{5}"/> </xs:restriction> </xs:simpleType>

simpleType **codice_catastale_comune**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	element **dati_catastali/L1_2codice_catastale_comune**
facets	Kind Value Annotation length 4 pattern [a-zA-Z]{1}[0-9]{3}
source	<xs:simpleType name="codice_catastale_comune"> <xs:restriction base="xs:string"> <xs:length value="4"/> <xs:pattern value="[a-zA-Z]{1}[0-9]{3}"/> </xs:restriction> </xs:simpleType>

simpleType **codice_fiscale**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	elements **persona_fisica/codice_fiscale unitaimmobiliare/intestazione_termica/L1_2Codice_Fiscale_Persona_Generica_PDR** **unitaimmobiliare/intestazione_elettrica/L1_2Codice_Fiscale_Persona_Generica_POD**

facets	Kind Value Annotation pattern [0-9]{11} pattern [A-Z]{6}[0-9LMNPQRSTUV]{2}[ABCDEHLMPRST][0-9LMNPQRSTUV]{2}[A-Z][0-9LMNPQRSTUV]{3}[A-Z]
annotation	documentation Definizione secondo definizione AGID
source	<xs:simpleType name="codice_fiscale"> <xs:annotation> <xs:documentation>Definizione secondo definizione AGID</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{11}"/> <xs:pattern value="[A-Z]{6}[0-9LMNPQRSTUV]{2}[ABCDEHLMPRST][0-9LMNPQRSTUV]{2}[A-Z][0-9LMNPQRSTUV]{3}[A-Z]"/> </xs:restriction> </xs:simpleType>

simpleType **codice_istat_comune**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation length 6 pattern [0-9]{6}
source	<xs:simpleType name="codice_istat_comune"> <xs:restriction base="xs:string"> <xs:length value="6"/> <xs:pattern value="[0-9]{6}"/> </xs:restriction> </xs:simpleType>

simpleType **codice_provincia**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	element **REA/Sigla_Localita_Impresa**
facets	Kind Value Annotation pattern [A-Z]{2}
source	<xs:simpleType name="codice_provincia"> <xs:restriction base="xs:string"> <xs:pattern value="[A-Z]{2}"/> </xs:restriction> </xs:simpleType>

simpleType **combustibile**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer

used by	elements **row11_1/L11_1combustibile** **consumi_esercizi/consumo_combustibile/L14_1combustibile** **rowGT/L4_1combustibile** **rowBR/L4_2combustibile** **rowCG/L4_6combustibile**
facets	Kind Value Annotation minInclusive 1 maxInclusive 24
annotation	documentation I tipi sono: 1 = Gas naturale 2 = GNL 3 = Gasolio 4 = GPL 5 = Olio combustibile 6 = Benzina 7 = Cippato 8 = Pellet 9 = Tronchetti 10 = Bricchette 11 = Legna 12 = Aria propanata 13 = Kerosene 14 = Propano 15 = Butano 16 = Biogas 17 = Biodiesel 18 = Altra biomassa liquida 19 = Altra biomassa gassosa 20 = Altra biomassa solida 21 = Energia termica (teleriscaldamento) 22 = Energia elettrica 23 = Policombustibile (biomassa-gas/gasolio) 24 = Carbone
source	<xs:simpleType name="combustibile"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Gas naturale 2 = GNL 3 = Gasolio 4 = GPL 5 = Olio combustibile 6 = Benzina 7 = Cippato 8 = Pellet 9 = Tronchetti 10 = Bricchette 11 = Legna 12 = Aria propanata 13 = Kerosene 14 = Propano 15 = Butano 16 = Biogas 17 = Biodiesel 18 = Altra biomassa liquida 19 = Altra biomassa gassosa 20 = Altra biomassa solida

```
21 = Energia termica (teleriscaldamento)
22 = Energia elettrica
23 = Policombustibile (biomassa-gas/gasolio)
24 = Carbone
            </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="24"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **combustibilefiammadiretta**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **rowGF/L4_4tipoLiquidoGassoso**
facets	Kind Value Annotation minInclusive 1 maxInclusive 2
annotation	documentation I tipi sono: 1 = Liquido 2 = Gassosso

source	`<xs:simpleType name="combustibilefiammadiretta">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  I tipi sono:`
	`  1 = Liquido`
	`  2 = Gassosso`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="2"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **comune**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	element **datiImmobile/L1_2nome_comune**
facets	Kind Value Annotation enumeration Accadia enumeration Acquaviva delle Fonti enumeration Adelfia enumeration Alberobello enumeration Alberona

enumeration Alessano
enumeration Alezio
enumeration Alliste
enumeration Altamura
enumeration Andrano
enumeration Andria
enumeration Anzano di Puglia
enumeration Apricena
enumeration Aradeo
enumeration Arnesano
enumeration Ascoli Satriano
enumeration Avetrana
enumeration Bagnolo del Salento
enumeration Bari
enumeration Barletta
enumeration Biccari
enumeration Binetto
enumeration Bisceglie
enumeration Bitetto
enumeration Bitonto
enumeration Bitritto
enumeration Botrugno
enumeration Bovino
enumeration Brindisi
enumeration Cagnano Varano
enumeration Calimera
enumeration Campi Salentina
enumeration Candela
enumeration Cannole
enumeration Canosa di Puglia
enumeration Caprarica di Lecce
enumeration Capurso
enumeration Carapelle
enumeration Carlantino
enumeration Carmiano
enumeration Carosino
enumeration Carovigno
enumeration Carpignano Salentino
enumeration Carpino
enumeration Casalnuovo Monterotaro
enumeration Casalvecchio di Puglia
enumeration Casamassima
enumeration Casarano
enumeration Cassano delle Murge
enumeration Castellana Grotte
enumeration Castellaneta
enumeration Castelluccio dei Sauri
enumeration Castelluccio Valmaggiore
enumeration Castelnuovo della Daunia
enumeration Castri di Lecce
enumeration Castrignano de' Greci
enumeration Castrignano del Capo
enumeration Castro
enumeration Cavallino
enumeration Ceglie Messapica
enumeration Celenza Valfortore
enumeration Cellamare
enumeration Celle di San Vito
enumeration Cellino San Marco
enumeration Cerignola

enumeration Chieuti
enumeration Cisternino
enumeration Collepasso
enumeration Conversano
enumeration Copertino
enumeration Corato
enumeration Corigliano d'Otranto
enumeration Corsano
enumeration Crispiano
enumeration Cursi
enumeration Cutrofiano
enumeration Deliceto
enumeration Diso
enumeration Erchie
enumeration Faeto
enumeration Faggiano
enumeration Fasano
enumeration Foggia
enumeration Fragagnano
enumeration Francavilla Fontana
enumeration Gagliano del Capo
enumeration Galatina
enumeration Galatone
enumeration Gallipoli
enumeration Ginosa
enumeration Gioia del Colle
enumeration Giovinazzo
enumeration Giuggianello
enumeration Giurdignano
enumeration Gravina in Puglia
enumeration Grottaglie
enumeration Grumo Appula
enumeration Guagnano
enumeration Ischitella
enumeration Isole Tremiti
enumeration Laterza
enumeration Latiano
enumeration Lecce
enumeration Leporano
enumeration Lequile
enumeration Lesina
enumeration Leverano
enumeration Lizzanello
enumeration Lizzano
enumeration Locorotondo
enumeration Lucera
enumeration Maglie
enumeration Manduria
enumeration Manfredonia
enumeration Margherita di Savoia
enumeration Martano
enumeration Martignano
enumeration Martina Franca
enumeration Maruggio
enumeration Massafra
enumeration Matino
enumeration Mattinata
enumeration Melendugno
enumeration Melissano
enumeration Melpignano

enumeration Mesagne
enumeration Miggiano
enumeration Minervino di Lecce
enumeration Minervino Murge
enumeration Modugno
enumeration Mola di Bari
enumeration Molfetta
enumeration Monopoli
enumeration Monteiasi
enumeration Monteleone di Puglia
enumeration Montemesola
enumeration Monteparano
enumeration Monteroni di Lecce
enumeration Montesano Salentino
enumeration Monte Sant'Angelo
enumeration Morciano di Leuca
enumeration Motta Montecorvino
enumeration Mottola
enumeration Muro Leccese
enumeration Nardò
enumeration Neviano
enumeration Noci
enumeration Nociglia
enumeration Noicattaro
enumeration Novoli
enumeration Ordona
enumeration Oria
enumeration Orsara di Puglia
enumeration Orta Nova
enumeration Ortelle
enumeration Ostuni
enumeration Otranto
enumeration Palagianello
enumeration Palagiano
enumeration Palmariggi
enumeration Palo del Colle
enumeration Panni
enumeration Parabita
enumeration Patù
enumeration Peschici
enumeration Pietramontecorvino
enumeration Poggiardo
enumeration Poggio Imperiale
enumeration Poggiorsini
enumeration Polignano a Mare
enumeration Porto Cesareo
enumeration Presicce-Acquarica
enumeration Pulsano
enumeration Putignano
enumeration Racale
enumeration Rignano Garganico
enumeration Roccaforzata
enumeration Rocchetta Sant'Antonio
enumeration Rodi Garganico
enumeration Roseto Valfortore
enumeration Ruffano
enumeration Rutigliano
enumeration Ruvo di Puglia
enumeration Salice Salentino
enumeration Salve

enumeration Sammichele di Bari
enumeration Sanarica
enumeration San Cassiano
enumeration San Cesario di Lecce
enumeration San Donaci
enumeration San Donato di Lecce
enumeration San Ferdinando di Puglia
enumeration San Giorgio Ionico
enumeration San Giovanni Rotondo
enumeration San Marco in Lamis
enumeration San Marco la Catola
enumeration San Marzano di San Giuseppe
enumeration San Michele Salentino
enumeration Sannicandro di Bari
enumeration San Nicandro Garganico
enumeration Sannicola
enumeration San Pancrazio Salentino
enumeration San Paolo di Civitate
enumeration San Pietro in Lama
enumeration San Pietro Vernotico
enumeration San Severo
enumeration Santa Cesarea Terme
enumeration Sant'Agata di Puglia
enumeration Santeramo in Colle
enumeration San Vito dei Normanni
enumeration Sava
enumeration Scorrano
enumeration Seclì
enumeration Serracapriola
enumeration Sogliano Cavour
enumeration Soleto
enumeration Specchia
enumeration Spinazzola
enumeration Spongano
enumeration Squinzano
enumeration Statte
enumeration Sternatia
enumeration Stornara
enumeration Stornarella
enumeration Supersano
enumeration Surano
enumeration Surbo
enumeration Taranto
enumeration Taurisano
enumeration Taviano
enumeration Terlizzi
enumeration Tiggiano
enumeration Torchiarolo
enumeration Toritto
enumeration Torremaggiore
enumeration Torre Santa Susanna
enumeration Torricella
enumeration Trani
enumeration Trepuzzi
enumeration Tricase
enumeration Triggiano
enumeration Trinitapoli
enumeration Troia
enumeration Tuglie
enumeration Turi

enumeration Ugento
enumeration Uggiano la Chiesa
enumeration Valenzano
enumeration Veglie
enumeration Vernole
enumeration Vico del Gargano
enumeration Vieste
enumeration Villa Castelli
enumeration Volturara Appula
enumeration Volturino
enumeration Zapponeta
enumeration Zollino

source

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```

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        <xs:enumeration value="Leporano"/>
        <xs:enumeration value="Lequile"/>
```

```
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        <xs:enumeration value="Locorotondo"/>
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        <xs:enumeration value="Morciano di Leuca"/>
        <xs:enumeration value="Motta Montecorvino"/>
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        <xs:enumeration value="Ordona"/>
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        <xs:enumeration value="Orsara di Puglia"/>
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        <xs:enumeration value="Palagianello"/>
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        <xs:enumeration value="Panni"/>
        <xs:enumeration value="Parabita"/>
        <xs:enumeration value="Patù"/>
        <xs:enumeration value="Peschici"/>
```

```
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        <xs:enumeration value="Poggiardo"/>
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        <xs:enumeration value="Poggiorsini"/>
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        <xs:enumeration value="San Ferdinando di Puglia"/>
        <xs:enumeration value="San Giorgio Ionico"/>
        <xs:enumeration value="San Giovanni Rotondo"/>
        <xs:enumeration value="San Marco in Lamis"/>
        <xs:enumeration value="San Marco la Catola"/>
        <xs:enumeration value="San Marzano di San Giuseppe"/>
        <xs:enumeration value="San Michele Salentino"/>
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        <xs:enumeration value="Sogliano Cavour"/>
        <xs:enumeration value="Soleto"/>
        <xs:enumeration value="Specchia"/>
        <xs:enumeration value="Spinazzola"/>
        <xs:enumeration value="Spongano"/>
        <xs:enumeration value="Squinzano"/>
        <xs:enumeration value="Statte"/>
        <xs:enumeration value="Sternatia"/>
        <xs:enumeration value="Stornara"/>
        <xs:enumeration value="Stornarella"/>
        <xs:enumeration value="Supersano"/>
```

```
    <xs:enumeration value="Surano"/>
    <xs:enumeration value="Surbo"/>
    <xs:enumeration value="Taranto"/>
    <xs:enumeration value="Taurisano"/>
    <xs:enumeration value="Taviano"/>
    <xs:enumeration value="Terlizzi"/>
    <xs:enumeration value="Tiggiano"/>
    <xs:enumeration value="Torchiarolo"/>
    <xs:enumeration value="Toritto"/>
    <xs:enumeration value="Torremaggiore"/>
    <xs:enumeration value="Torre Santa Susanna"/>
    <xs:enumeration value="Torricella"/>
    <xs:enumeration value="Trani"/>
    <xs:enumeration value="Trepuzzi"/>
    <xs:enumeration value="Tricase"/>
    <xs:enumeration value="Triggiano"/>
    <xs:enumeration value="Trinitapoli"/>
    <xs:enumeration value="Troia"/>
    <xs:enumeration value="Tuglie"/>
    <xs:enumeration value="Turi"/>
    <xs:enumeration value="Ugento"/>
    <xs:enumeration value="Uggiano la Chiesa"/>
    <xs:enumeration value="Valenzano"/>
    <xs:enumeration value="Veglie"/>
    <xs:enumeration value="Vernole"/>
    <xs:enumeration value="Vico del Gargano"/>
    <xs:enumeration value="Vieste"/>
    <xs:enumeration value="Villa Castelli"/>
    <xs:enumeration value="Volturara Appula"/>
    <xs:enumeration value="Volturino"/>
    <xs:enumeration value="Zapponeta"/>
    <xs:enumeration value="Zollino"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **controllo_compatibilita**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **row11_3/L11_3flagDispositiviRegolazione** **row11_3/L11_3flagPotenzaCompatibile** **row11_3/L11_3flagStatoCoibentazioni**
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
annotation	documentation I tipi sono: 1 = Si 2 = No 3 = NC

source	`<xs:simpleType name="controllo_compatibilita">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`I tipi sono:`
	`1 = Si`

```
2 = No
3 = NC
</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="4"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **data**

namespace	libretto
type	restriction of **xs:date**
properties	base xs:date
used by	elements **rowVM/L10_1dataDismissione** **rowVM/L10_1dataInstallazione** **row11_1/L11_1data** **row11_2/L11_2data** **row11_2/L11_2dataRipristino** **row11_3/L11_3data** **row11_4/L11_4data** **impianto/scheda_12_interventi_CEE/interventi_CEE/L12data_rapporto** **ispezione/L13dataIspezione** **libretto/L1_1dataIntervento** **unitaimmobiliare/intestazione_termica/L1_2data_fine_PDR** **unitaimmobiliare/intestazione_elettrica/L1_2data_fine_POD** **unitaimmobiliare/intestazione_termica/L1_2data_inizio_PDR** **unitaimmobiliare/intestazione_elettrica/L1_2data_inizio_POD** **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_data_fine_nomina** **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_data_inizio_nomina** **rowGT/L4_1dataDismissione** **rowGT/L4_1dataInstallazione** **rowBR/L4_2dataDismissione** **rowBR/L4_2dataInstallazione** **rowRC/L4_3dataDismissione** **rowRC/L4_3dataInstallazione** **rowGF/L4_4dataDismissione** **rowGF/L4_4dataInstallazione** **rowSC/L4_5dataDismissione** **rowSC/L4_5dataInstallazione** **rowCG/L4_6dataDismissione** **rowCG/L4_6dataInstallazione** **rowCS/L4_7dataDismissione** **rowCS/L4_7dataInstallazione** **rowAG/L4_8dataDismissione** **rowAG/L4_8dataInstallazione** **rowSR/L5_1dataDismissioneSR** **rowVR/L5_1dataDismissioneVR** **rowSR/L5_1dataInstallazioneSR** **rowVR/L5_1dataInstallazioneVR** **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_3/L5_3SistemaSostituto/L5_3dataSostituzione** **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_4/L5_4SistemaSostituto/L5_4dataSostituzione** **rowPC/L6_4dataDismissione** **rowPC/L6_4dataInstallazione** **rowAC/L8_1dataDismissione** **rowAC/L8_1dataInstallazione** **rowTE/L9_1dataDismissione** **rowTE/L9_1dataInstallazione** **rowRV/L9_2dataDismissione** **rowRV/L9_2dataInstallazione** **rowSCcal/L9_3dataDismissione** **rowSCcal/L9_3dataInstallazione** **rowCI/L9_4dataDismissione** **rowCI/L9_4dataInstallazione** **rowUT/L9_5dataDismissione** **rowUT/L9_5dataInstallazione** **rowRCcal/L9_6dataDismissione** **rowRCcal/L9_6dataInstallazione**
facets	Kind Value Annotation minInclusive 1900-01-01 maxInclusive 2100-12-31

source	`<xs:simpleType name="data">`
	`  <xs:restriction base="xs:date">`
	`  <xs:minInclusive value="1900-01-01"/>`
	`  <xs:maxInclusive value="2100-12-31"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **decimale1**

namespace	libretto
type	restriction of **xs:decimal**
properties	base xs:decimal
used by	elements **rowVM/L10_1maxPortataAria** **row11_1/L11_1CO2** **row11_1/L11_1nox** **row11_1/L11_1O2** **row11_1/L11_1portataTermicaEffettiva** **row11_1/L11_1tempAria** **row11_1/L11_1tempFumi** **row11_1/L11_1valorePortata** **row11_2/L11_2potenzaAss** **row11_2/L11_2surrisc** **row11_2/L11_2tBulboUmido**

	row11_2/L11_2tCondens row11_2/L11_2tEvaporaz row11_2/L11_2tIngFluidoMacc row11_2/L11_2tIngFluidoSorg row11_2/L11_2tIngLatoEst row11_2/L11_2tIngLatoUtenze row11_2/L11_2tSottoRaffr row11_2/L11_2tUscFluido row11_2/L11_2tUscFluidoMacc row11_2/L11_2tUscFluidoSorg row11_2/L11_2tUscLatoEst row11_2/L11_2tUscLatoUtenze row11_3/L11_3portataFluidoPrim row11_3/L11_3potTermica row11_3/L11_3tempEsterna row11_3/L11_3tempMandPrimario row11_3/L11_3tempMandSecond row11_3/L11_3tempRitPrimario row11_3/L11_3tempRitSecond row11_4/L11_4emissioniCO row11_4/L11_4potElettricaMorsetti row11_4/L11_4tempAriaComb row11_4/L11_4tempFumiMonte row11_4/L11_4tempFumiValle row11_4/L11_4tempH2Oingresso row11_4/L11_4tempH2Omotore row11_4/L11_4tempH2Ouscita consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4consumo impianto/scheda_1_dati_identificativi_impianto/L1_2volLordoRaffr impianto/scheda_1_dati_identificativi_impianto/L1_2volLordoRisc impianto/scheda_1_dati_identificativi_impianto/L1_3potUtileACS impianto/scheda_1_dati_identificativi_impianto/L1_3potUtileClimaEst impianto/scheda_1_dati_identificativi_impianto/L1_3potUtileClimaInv impianto/scheda_1_dati_identificativi_impianto/L1_5potUtile impianto/scheda_1_dati_identificativi_impianto/L1_5superfLordaTot impianto/scheda_2_trattamento_acqua/L2_1contenutoH2OimpClima impianto/scheda_2_trattamento_acqua/L2_2durezzaTotaleH2O altro_trattH2O/L2_3AddolcimentoDurezzaTotaleH2O tratt_H2O_gelo/L2_3flagGlicoleEtilenico /L2_3percConcentrazEtilenico tratt_H2O_gelo/L2_3flagGlicolePropilenico/L2_3percConcentrazPropilenico tratt_H2O_gelo/L2_3flagGlicoleEtilenico/L2_3PHconcentrazEtilenico tratt_H2O_gelo/L2_3flagGlicolePropilenico /L2_3PHconcentrazPropilenico tratt_H2O_ACS/altro_tratt_ACS/L2_4AddolcimentoDurezzaTotaleH2OACS gestione_torre_raff/L2_5conducibH2Oingresso gestione_torre_raff/L2_5taraturaSpurgo rowGT/L4_1potTermUtileMax rowGF/sezRaffreddamentoFrigo/L4_4potFrigoAssorb rowGF/sezRaffreddamentoFrigo/L4_4potFrigoNom rowGF/sezRiscaldamentoFrigo/L4_4potTermAssorb rowGF/sezRiscaldamentoFrigo/L4_4potTermNom rowSC/L4_5potTermNomTot rowCG/L4_6emissioniMonossidoMAX rowCG/L4_6emissioniMonossidoMIN rowCG/L4_6potElettrNom rowCG/L4_6potTermNom rowCG/L4_6tempAcquaIngressoMAX rowCG/L4_6tempAcquaIngressoMIN rowCG/L4_6tempAcquaMotoreMAX rowCG/L4_6tempAcquaMotoreMIN rowCG/L4_6tempAcquaUscitaMAX rowCG/L4_6tempAcquaUscitaMIN rowCG/L4_6tempFumiMonteMAX rowCG/L4_6tempFumiMonteMIN rowCG/L4_6tempFumiValleMAX rowCG/L4_6tempFumiValleMIN rowCS/L4_7superfTotApertura rowAG/L4_8potUtile rowVE/L6_3capacita rowVE/L6_3apertochiuso/L6_3pressioneVasoChiuso rowPC/L6_4potNominale rowAC/L8_1capacita rowTE/L9_1capacitaNominale rowCI/L9_4lungCircuito rowCI/L9_4profInstallaz rowCI/L9_4superfScamb rowUT/L9_5portataVentMandata rowUT/L9_5portataVentRipresa rowUT/L9_5potenzaVentMandata rowUT/L9_5potenzaVentRipresa
facets	Kind Value Annotation fractionDigits 1

source	`<xs:simpleType name="decimale1">`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:fractionDigits value="1"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **destinazioneUso**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
annotation	documentation I tipi sono: 1 = Climatizzazione invernale 2 = Climatizzazione estiva

	3 = ACS
source	<xs:simpleType name="destinazioneUso"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Climatizzazione invernale 2 = Climatizzazione estiva 3 = ACS </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="3"/> </xs:restriction> </xs:simpleType>

simpleType **dpr412**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **unitaimmobiliare/L1_2DPR412**
facets	Kind Value Annotation minInclusive 1 maxInclusive 8
annotation	documentation Definizione secondo il Decreto del Presidente della Repubblica 412/93: 1 = E.1 Edifici adibiti a residenza e assimilabili 2 = E.2 Edifici adibiti a uffici e assimilabili: pubblici o privati, indipendenti o contigui a costruzioni adibite anche ad attivita' industriali o artigianali, purche' siano da tali costruzioni scorporabili agli effetti dell'isolamento termico; 3 = E.3 Edifici adibiti a ospedali, cliniche o case di cura e assimilabili ivi compresi quelli adibiti a ricovero o cura di minori o anziani nonche' le strutture protette per l'assistenza ed il recupero dei tossico-dipendenti e di altri soggetti affidati a servizi sociali pubblici; 4 = E.4 Edifici adibiti ad attivita' ricreative, associative o di culto e assimilabili 5 = E.5 Edifici adibiti ad attivita' commerciali e assimilabili: quali negozi, magazzini di vendita all'ingrosso o al minuto,supermercati, esposizioni; 6 = E.6 Edifici adibiti ad attivita' sportive 7 = E.7 Edifici adibiti ad attivita' scolastiche a tutti i livelli e assimilabili; 8 = E.8 Edifici adibiti ad attivita' industriali ed artigianali e assimilabili.
source	<xs:simpleType name="dpr412"> <xs:annotation> <xs:documentation> Definizione secondo il Decreto del Presidente della Repubblica 412/93: 1 = E.1 Edifici adibiti a residenza e assimilabili 2 = E.2 Edifici adibiti a uffici e assimilabili: pubblici o privati, indipendenti o contigui a costruzioni adibite anche ad attivita' industriali o artigianali, purche' siano da tali costruzioni scorporabili agli effetti dell'isolamento termico; 3 = E.3 Edifici adibiti a ospedali, cliniche o case di cura e assimilabili ivi compresi quelli adibiti a ricovero o cura di minori o anziani nonche' le strutture protette per l'assistenza ed il recupero dei tossico-dipendenti e di altri soggetti affidati a servizi sociali pubblici; 4 = E.4 Edifici adibiti ad attivita' ricreative, associative o di culto e assimilabili

```
5 = E.5 Edifici adibiti ad attivita' commerciali e assimilabili: quali negozi,
magazzini di vendita all'ingrosso o al minuto,supermercati, esposizioni;
6 = E.6 Edifici adibiti ad attivita' sportive
7 = E.7 Edifici adibiti ad attivita' scolastiche a tutti i livelli e assimilabili;
8 = E.8 Edifici adibiti ad attivita' industriali  ed  artigianali e assimilabili.
</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="8"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **efficienzaFrigo**

namespace	libretto
type	restriction of **xs:decimal**
properties	base xs:decimal
used by	elements **rowGF/sezRaffreddamentoFrigo/L4_4raffrescam** **rowGF/sezRiscaldamentoFrigo/L4_4riscaldam**
facets	Kind Value Annotation minInclusive 1.00 maxInclusive 10.00 fractionDigits 2

source	`<xs:simpleType name="efficienzaFrigo">`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:fractionDigits value="2"/>`
	`  <xs:minInclusive value="1.00"/>`
	`  <xs:maxInclusive value="10.00"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **email**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation pattern \w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*

source	`<xs:simpleType name="email">`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **fabbricante**

namespace	libretto
type	**xs:string**
properties	base xs:string
used by	elements **rowVM/L10_1fabbricante** **rowGT/L4_1fabbricante** **rowBR/L4_2fabbricante** **rowRC/L4_3fabbricante** **rowGF/L4_4fabbricante** **rowSC/L4_5fabbricante** **rowCG/L4_6fabbricante** **rowCS/L4_7fabbricante** **rowAG/L4_8fabbricante** **rowSR/L5_1fabbricanteSR** **rowVR/L5_1fabbricanteVR** **rowPC/L6_4fabbricante**

	rowAC/L8_1fabbricante **rowTE/L9_1fabbricante** **rowRV/L9_2fabbricante** **rowSCcal/L9_3fabbricante** **rowUT/L9_5fabbricante**

source	`<xs:simpleType name="fabbricante">`
	`  <xs:restriction base="xs:string"/>`
	`</xs:simpleType>`

simpleType **fluido_frigorigeno**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **rowGF/L4_4fluidoFrigo**
facets	Kind Value Annotation minInclusive 1 maxInclusive 7
annotation	documentation I tipi sono: 1 = R12 2 = R22 3 = R32 4 = R407C 5 = R410A 6 = R422D 7 = Altro

source	`<xs:simpleType name="fluido_frigorigeno">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`I tipi sono:`
	`1 = R12`
	`2 = R22`
	`3 = R32`
	`4 = R407C`
	`5 = R410A`
	`6 = R422D`
	`7 = Altro`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="7"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **fluidoTermoVett**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **rowGT/L4_1fluidoTermoVett**

facets	Kind Value Annotation minInclusive 1 maxInclusive 5
annotation	documentation I tipi sono: 1 = Aria 2 = Acqua 3 = Acqua surriscaldata 4 = Vapore 5 = Olio diatermico
source	<xs:simpleType name="fluidoTermoVett"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Aria 2 = Acqua 3 = Acqua surriscaldata 4 = Vapore 5 = Olio diatermico </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="5"/> </xs:restriction> </xs:simpleType>

simpleType **intervento**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **libretto/L1_1tipoIntervento**
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
annotation	documentation Le tipologie di intervento sono indicate in scheda 1: 1 = nuova installazione 2 = ristrutturazione 3 = compilazione libretto esistente (digitalizzazione di libretto cartaceo) 4 = sostituzione
source	<xs:simpleType name="intervento"> <xs:annotation> <xs:documentation> Le tipologie di intervento sono indicate in scheda 1: 1 = nuova installazione 2 = ristrutturazione 3 = compilazione libretto esistente (digitalizzazione di libretto cartaceo) 4 = sostituzione

```
                        </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="4"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **numero_REA**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	element **REA/numero_REA**
facets	Kind Value Annotation pattern [0-9]{6}

source	`<xs:simpleType name="numero_REA">`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[0-9]{6}"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **numero_registro_imprese**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation length 6 pattern [0-9]{6}

source	`<xs:simpleType name="numero_registro_imprese">`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="6"/>`
	`  <xs:pattern value="[0-9]{6}"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **origine_H2O_alimento**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5origine_H2O_alimento**
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
annotation	documentation I tipi sono: 1 = Acquedotto 2 = Pozzo

	3 = Acqua superficiale
source	<xs:simpleType name="origine_H2O_alimento"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Acquedotto 2 = Pozzo 3 = Acqua superficiale </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="3"/> </xs:restriction> </xs:simpleType>

simpleType **partita_IVA**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	elements **unitaimmobiliare/intestazione_termica/L1_2Partita_Iva_PDR** **unitaimmobiliare/intestazione_elettrica/L1_2Partita_Iva_POD** **persona_giuridica/partita_IVA**
facets	Kind Value Annotation length 11 pattern [0-9]{11}
source	<xs:simpleType name="partita_IVA"> <xs:restriction base="xs:string"> <xs:length value="11"/> <xs:pattern value="[0-9]{11}"/> </xs:restriction> </xs:simpleType>

simpleType **PDR**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	element **unitaimmobiliare/intestazione_termica/L1_2PDR**
facets	Kind Value Annotation length 14 pattern [0-9]{14}
source	<xs:simpleType name="PDR"> <xs:restriction base="xs:string"> <xs:length value="14"/> <xs:pattern value="[0-9]{14}"/> </xs:restriction> </xs:simpleType>

simpleType **POD**

namespace	libretto

type	restriction of **xs:string**
properties	base xs:string
used by	element **unitaimmobiliare/intestazione_elettrica/L1_2POD**
facets	Kind Value Annotation length 15 pattern [a-zA-Z]{2}[0-9]{3}[a-zA-Z]{1}[0-9]{9}

source	`<xs:simpleType name="POD">`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="15"/>`
	`  <xs:pattern value="[a-zA-Z]{2}[0-9]{3}[a-zA-Z]{1}[0-9]{9}"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **portata**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **row11_1/L11_1portataCombustibile**
facets	Kind Value Annotation minInclusive 1 maxInclusive 2
annotation	documentation Le tipologie di intervento sono indicate in scheda 1: 1 = m3/h 2 = Kg/h

source	`<xs:simpleType name="portata">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`  Le tipologie di intervento sono indicate in scheda 1:`
	`  1 = m3/h`
	`  2 = Kg/h`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="2"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **provincia**

namespace	libretto
type	restriction of **xs:string**
properties	base xs:string
used by	element **datiImmobile/L1_2nome_provincia**

facets	Kind Value Annotation enumeration BA enumeration BT enumeration BR enumeration FG enumeration LE enumeration TA
source	<xs:simpleType name="provincia"> <xs:restriction base="xs:string"> <xs:enumeration value="BA"/> <xs:enumeration value="BT"/> <xs:enumeration value="BR"/> <xs:enumeration value="FG"/> <xs:enumeration value="LE"/> <xs:enumeration value="TA"/> </xs:restriction> </xs:simpleType>

simpleType **RCEE**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **impianto/scheda_12_interventi_CEE/interventi_CEE/L12tipo_RCEE**
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
source	<xs:simpleType name="RCEE"> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="4"/> </xs:restriction> </xs:simpleType>

simpleType **rendimento**

namespace	libretto
type	restriction of **xs:decimal**
properties	base xs:decimal
used by	elements **rowVM/L10_1rendimentoRecupero row11_1/L11_1rendimCombustione row11_1/L11_1rendimentoLegge rowGT/L4_1rendimTermUtileMax**
facets	Kind Value Annotation minInclusive 0.0 maxInclusive 200.0 fractionDigits 1
source	<xs:simpleType name="rendimento"> <xs:restriction base="xs:decimal"> <xs:fractionDigits value="1"/> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="200.0"/> </xs:restriction> </xs:simpleType>

simpleType **ruolo_nominante**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **impianto/scheda_3_terzo_responsabile/terzo_responsabile/L3_ruolo_nominante**
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
annotation	documentation I tipi sono: 1 = Proprietario 2 = Amministratore 3 = Occupante

source	`<xs:simpleType name="ruolo_nominante">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`I tipi sono:`
	`1 = Proprietario`
	`2 = Amministratore`
	`3 = Occupante`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="3"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **sorgente**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **rowGF/L4_4flagFluidoUtenza** **rowGF/L4_4flagSorgEsterna**
facets	Kind Value Annotation minInclusive 1 maxInclusive 2
annotation	documentation I tipi sono: 1 = Aria 2 = Acqua

source	`<xs:simpleType name="sorgente">`
	`  <xs:annotation>`
	`  <xs:documentation>`
	`I tipi sono:`
	`1 = Aria`

```
                        2 = Acqua
                        </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="2"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **tipo_bruciatore**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **rowBR/L4_2tipologia**
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
annotation	documentation I tipi sono: 1 = Monostadio 2 = Pluristadio 3 = Modulare

source

```
<xs:simpleType name="tipo_bruciatore">
  <xs:annotation>
    <xs:documentation>
I tipi sono:
1 = Monostadio
2 = Pluristadio
3 = Modulare
   </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="3"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **tipo_circuito_raffreddamento**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **tratt_H2O_climaEst/L2_5altro_tratt_H2O_climaEst/L2_5circuito_raffreddamento**
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
annotation	documentation

	I tipi sono: 1 = Senza recupero termico 2 = A recupero termico parziale 3 = A recupero termico totale
source	<xs:simpleType name="tipo_circuito_raffreddamento"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Senza recupero termico 2 = A recupero termico parziale 3 = A recupero termico totale </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="3"/> </xs:restriction> </xs:simpleType>

simpleType **tipo_scambiatore**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **rowRCcal/L9_6tipologia**
facets	Kind Value Annotation minInclusive 1 maxInclusive 5
annotation	documentation I tipi sono: 1 = Statico a flusso incrociato 2 = Rotativo 3 = Termodinamico 4 = Passivo 5 = Altro
source	<xs:simpleType name="tipo_scambiatore"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Statico a flusso incrociato 2 = Rotativo 3 = Termodinamico 4 = Passivo 5 = Altro </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="5"/> </xs:restriction> </xs:simpleType>

simpleType **tipo_ventilatori**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **rowTE/L9_1tipoVentilatori** **rowRV/L9_2tipoVentilatori**
facets	Kind Value Annotation minInclusive 1 maxInclusive 3
annotation	documentation I tipi sono: 1 = Assiale 2 = Centrifugo 3 = Altro

source

```
<xs:simpleType name="tipo_ventilatori">
  <xs:annotation>
    <xs:documentation>
I tipi sono:
1 = Assiale
2 = Centrifugo
3 = Altro
</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="3"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **tipoCogeneratore**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **rowCG/L4_6tipologia**
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
annotation	documentation I tipi sono: 1 = Motore endotermico 2 = Turbogas 3 = Caldaia cogenerativa 4 = Altro

source

```
<xs:simpleType name="tipoCogeneratore">
  <xs:annotation>
    <xs:documentation>
I tipi sono:
1 = Motore endotermico
```

```
2 = Turbogas
3 = Caldaia cogenerativa
4 = Altro
            </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="4"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **tipoTermostato**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **impianto/scheda_5_sistemi_regolazione_contabilizzazione/L5_2/L5_2termostato**
facets	Kind Value Annotation minInclusive 1 maxInclusive 4
annotation	documentation I tipi sono: 1 = Termostato zona on-off 2 = Termostato zona proporzionale 3 = Controllo entalpico su serranda esterna 4 = Controllo portata aria variabile per aria canalizzata
source	<xs:simpleType name="tipoTermostato"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Termostato zona on-off 2 = Termostato zona proporzionale 3 = Controllo entalpico su serranda esterna 4 = Controllo portata aria variabile per aria canalizzata </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="4"/> </xs:restriction> </xs:simpleType>

simpleType **titolo_responsabilita**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
facets	Kind Value Annotation minInclusive 1 maxInclusive 4

annotation	documentation I tipi sono: 1 = Proprietario 2 = Amministratore 3 = Occupante 4 = Terzo responsabile
source	<xs:simpleType name="titolo_responsabilita"> <xs:annotation> <xs:documentation> I tipi sono: 1 = Proprietario 2 = Amministratore 3 = Occupante 4 = Terzo responsabile </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="4"/> </xs:restriction> </xs:simpleType>

simpleType **unita_misura_consumo**

namespace	libretto
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **consumi_esercizi/consumo_combustibile/L14_1unitaMisura** **consumi_esercizi/acqua_impianto_termico/L14_3unitaMisura** **consumi_esercizi/prodotti_chimici_trattamento_acqua/L14_4unitaMisura**
facets	Kind Value Annotation minInclusive 1 maxInclusive 6
annotation	documentation Le tipologie di intervento sono indicate in scheda 1: 1 = Litri 2 = Kg 3 = Quintali 4 = Tonnellate 5 = Smc 6 = kWh
source	<xs:simpleType name="unita_misura_consumo"> <xs:annotation> <xs:documentation> Le tipologie di intervento sono indicate in scheda 1: 1 = Litri 2 = Kg 3 = Quintali 4 = Tonnellate 5 = Smc 6 = kWh </xs:documentation>

```
    </xs:annotation>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="6"/>
    </xs:restriction>
  </xs:simpleType>
```