



# CITTA' DI PALERMO

- SETTORE URBANISTICA -

## CENTRO POLIFUNZIONALE PER MINORI DA REALIZZARE IN LOCALITA' BONAGIA A PALERMO

### Progetto Esecutivo

#### *Progettisti incaricati*

Raggruppamento tecnico temporaneo tra  
Studio Tecnico degli Ingegneri  
Luigi Palizzolo e Ivan Torretta

e

Ing. Salvo Mortellaro

*Responsabile Unico del Procedimento*

Ing. Luigi Di Lorenzo



## 6. ELABORATI ECONOMICI

ELABORATO N. 6.3.1

Computo armatura metallica  
delle strutture in c.a.

AGGIORNATO IL

Per il Raggruppamento

Ing. Ivan Torretta

Ordine degli Ingegneri della

Provincia di Palermo

n. 5091

**Travi di fondazione (120/40x120 cm)**

<b>Trave</b>		<b>1-2</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,38	1,578	80,54		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,59	1,578	83,19		
Staffe	8	21	6,04	0,395	50,10		
<b>Trave</b>		<b>2-3</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	7,1	1,578	89,63		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,5	1,578	94,68		
Staffe	8	26	6,1	0,395	62,65		
<b>Trave</b>		<b>4-5</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,38	1,578	80,54		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,59	1,578	83,19		
Staffe	8	21	6,1	0,395	50,60		
<b>Trave</b>		<b>5-6</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	7,1	1,578	89,63		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,5	1,578	94,68		
Staffe	8	26	6,1	0,395	62,65		
<b>Trave</b>		<b>40-41</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,67	1,578	84,20		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,97	1,578	87,99		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>41-42</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,86	1,578	86,60		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,36	1,578	92,91		
Staffe	8	24	6,1	0,395	57,83		
<b>Trave</b>		<b>43-44</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,8	1,578	85,84		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	5,3	1,578	66,91		
Staffe	8	22	6,9	0,395	59,96		
<b>Trave</b>		<b>44-45</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,86	1,578	86,60		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,36	1,578	92,91		
Staffe	8	24	6,1	0,395	57,83		
<b>Trave</b>		<b>7-8</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,68	1,578	84,33		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,19	1,578	90,77		
Staffe	8	24	6,1	0,395	57,83		
<b>Trave</b>		<b>8-9</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,5	1,578	82,06		
reggistaffe	12	6	6	0,888	31,97		

Ferri inf.	16	8	8,1	1,578	102,25
Staffe	8	21	6,1	0,395	50,60

<b>Trave</b>		<b>9-10</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,5	1,578	94,68		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,4	1,578	93,42		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>10-11</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,2	1,578	90,89		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,4	1,578	93,42		
Staffe	8	23	6,1	0,395	55,42		
<b>Trave</b>		<b>11-12</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,2	1,578	90,89		
reggistaffe	12	6	6,1	0,888	32,50		
Ferri inf.	16	8	5,5	1,578	69,43		
Staffe	8	25	1,32	0,395	13,04		
<b>Trave</b>		<b>12-13</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,2	1,578	90,89		
Staffe	8	21	6,1	0,395	50,60		
<b>Trave</b>		<b>13-14</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,9	1,578	87,11		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,9	1,578	87,11		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>14-15</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,1	1,578	89,63		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>15-16</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7	1,578	88,37		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>16-17</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	5,38	1,578	67,92		
reggistaffe	12	6	5	0,888	26,64		
Ferri inf.	16	8	5,99	1,578	75,62		
Staffe	8	17	6,1	0,395	40,96		
<b>Trave</b>		<b>18-19</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,68	1,578	84,33		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,19	1,578	90,77		
Staffe	8	24	6,1	0,395	57,83		
<b>Trave</b>		<b>19-20</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,5	1,578	82,06		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	8,1	1,578	102,25		

Staffe	8	21	6,1	0,395	50,60
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<b>Trave</b>		<b>20-21</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,5	1,578	94,68		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,4	1,578	93,42		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>21-22</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,2	1,578	90,89		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,4	1,578	93,42		
Staffe	8	23	6,1	0,395	55,42		
<b>Trave</b>		<b>22-23</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,2	1,578	90,89		
reggistaffe	12	6	6,1	0,888	32,50		
Ferri inf.	16	8	5,5	1,578	69,43		
Staffe	8	25	1,32	0,395	13,04		
<b>Trave</b>		<b>23-24</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,2	1,578	90,89		
Staffe	8	21	6,1	0,395	50,60		
<b>Trave</b>		<b>24-25</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,9	1,578	87,11		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,9	1,578	87,11		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>25-26</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,1	1,578	89,63		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>26-27</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7	1,578	88,37		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>27-28</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	5,38	1,578	67,92		
reggistaffe	12	6	5	0,888	26,64		
Ferri inf.	16	8	5,99	1,578	75,62		
Staffe	8	17	6,1	0,395	40,96		
<b>Trave</b>		<b>29-30</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,68	1,578	84,33		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,19	1,578	90,77		
Staffe	8	24	6,1	0,395	57,83		
<b>Trave</b>		<b>30-31</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,5	1,578	82,06		
reggistaffe	12	6	6	0,888	31,97		

Ferri inf.	16	8	8,1	1,578	102,25
Staffe	8	21	6,1	0,395	50,60

<b>Trave</b>		<b>31-32</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,5	1,578	94,68		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,4	1,578	93,42		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>32-33</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,2	1,578	90,89		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,4	1,578	93,42		
Staffe	8	23	6,1	0,395	55,42		
<b>Trave</b>		<b>33-34</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	7,2	1,578	90,89		
reggistaffe	12	6	6,1	0,888	32,50		
Ferri inf.	16	8	5,5	1,578	69,43		
Staffe	8	25	1,32	0,395	13,04		
<b>Trave</b>		<b>34-35</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,2	1,578	90,89		
Staffe	8	21	6,1	0,395	50,60		
<b>Trave</b>		<b>35-36</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,9	1,578	87,11		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,9	1,578	87,11		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>36-37</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7,1	1,578	89,63		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>37-38</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,7	1,578	84,58		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	7	1,578	88,37		
Staffe	8	22	6,1	0,395	53,01		
<b>Trave</b>		<b>38-39</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	5,38	1,578	67,92		
reggistaffe	12	6	5	0,888	26,64		
Ferri inf.	16	8	5,99	1,578	75,62		
Staffe	8	17	6,1	0,395	40,96		
<b>Trave</b>		<b>7-18</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	6,38	1,578	80,54		
reggistaffe	12	6	6	0,888	31,97		
Ferri inf.	16	8	6,99	1,578	88,24		
Staffe	8	21	6,1	0,395	50,60		
<b>Trave</b>		<b>18-29</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	8	8,19	1,578	103,39		
reggistaffe	12	6	6,1	0,888	32,50		



Ferri inf.	16	8	8,49	1,578	107,18
Staffe	8	30	6,1	0,395	72,29

<b>Trave</b>		<b>8-19</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	6,38	1,578	80,54	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	6,99	1,578	88,24	
Staffe	8		21	6,1	0,395	50,60	
<b>Trave</b>		<b>19-30</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	8,19	1,578	103,39	
reggistaffe	12		6	6,1	0,888	32,50	
Ferri inf.	16		8	8,49	1,578	107,18	
Staffe	8		30	6,1	0,395	72,29	
<b>Trave</b>		<b>1-4</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	6,58	1,578	83,07	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	7,29	1,578	92,03	
Staffe	8		23	6,1	0,395	55,42	
<b>Trave</b>		<b>4-9</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	7,4	1,578	93,42	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	7,6	1,578	95,94	
Staffe	8		24	6,1	0,395	57,83	
<b>Trave</b>		<b>9-20</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	6,3	1,578	79,53	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	7,4	1,578	93,42	
Staffe	8		21	6,1	0,395	50,60	
<b>Trave</b>		<b>20-31</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	8,19	1,578	103,39	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	8,49	1,578	107,18	
Staffe	8		30	6,1	0,395	72,29	
<b>Trave</b>		<b>2-5</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	6,58	1,578	83,07	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	7,29	1,578	92,03	
Staffe	8		23	6,1	0,395	55,42	
<b>Trave</b>		<b>5-10</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	7,2	1,578	90,89	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	7,5	1,578	94,68	
Staffe	8		24	6,1	0,395	57,83	
<b>Trave</b>		<b>10-21</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	6,5	1,578	82,06	
reggistaffe	12		6	6	0,888	31,97	
Ferri inf.	16		8	7,1	1,578	89,63	
Staffe	8		21	6,1	0,395	50,60	
<b>Trave</b>		<b>21-32</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		8	8,2	1,578	103,52	
reggistaffe	12		6	6	0,888	31,97	

Ferri inf.	16	8	8,5	1,578	107,30
Staffe	8	30	6,1	0,395	72,29

<b>Trave</b>		<b>3-6</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,58	8	1,578	83,07	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7,29	8	1,578	92,03	
Staffe	8	23	6,1	23	0,395	55,42	
<b>Trave</b>		<b>6-11</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	7,4	8	1,578	93,42	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7,6	8	1,578	95,94	
Staffe	8	24	6,1	24	0,395	57,83	
<b>Trave</b>		<b>11-22</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,3	8	1,578	79,53	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7,4	8	1,578	93,42	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>22-33</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	8,1	8	1,578	102,25	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	8,4	8	1,578	106,04	
Staffe	8	30	6,1	30	0,395	72,29	
<b>Trave</b>		<b>32-40</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,65	8	1,578	83,95	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	6,95	8	1,578	87,74	
Staffe	8	29	6,1	29	0,395	69,88	
<b>Trave</b>		<b>40-43</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,09	8	1,578	76,88	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	6,09	8	1,578	76,88	
Staffe	8	25	6,1	25	0,395	60,24	
<b>Trave</b>		<b>33-41</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	5,7	8	1,578	71,96	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	6	8	1,578	75,74	
Staffe	8	26	6,1	26	0,395	62,65	
<b>Trave</b>		<b>41-44</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,09	8	1,578	76,88	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	5,89	8	1,578	74,36	
Staffe	8	23	6,1	23	0,395	55,42	
<b>Trave</b>		<b>34-42</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	4,8	8	1,578	60,60	
reggistaffe	12	6	5	6	0,888	26,64	
Ferri inf.	16	8	5,2	8	1,578	65,64	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>42-45</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,09	8	1,578	76,88	
reggistaffe	12	6	5	6	0,888	26,64	

Ferri inf.	16	8	5,69	1,578	71,83
Staffe	8	19	6,1	0,395	45,78

<b>Trave</b>		<b>12-23</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,44	8	1,578	81,30	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7,04	8	1,578	88,87	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>23-34</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	8,2	8	1,578	103,52	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	8,5	8	1,578	107,30	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>13-24</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,4	8	1,578	80,79	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7	8	1,578	88,37	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>24-35</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	8,19	8	1,578	103,39	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	8,49	8	1,578	107,18	
Staffe	8	30	6,1	30	0,395	72,29	
<b>Trave</b>		<b>14-25</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,4	8	1,578	80,79	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7	8	1,578	88,37	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>25-36</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	8,19	8	1,578	103,39	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	8,49	8	1,578	107,18	
Staffe	8	30	6,1	30	0,395	72,29	
<b>Trave</b>		<b>15-26</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,4	8	1,578	80,79	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7	8	1,578	88,37	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>26-37</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	8,19	8	1,578	103,39	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	8,49	8	1,578	107,18	
Staffe	8	30	6,1	30	0,395	72,29	
Staffe	8	34	6,1	34	0,395	81,92	
<b>Trave</b>		<b>16-27</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	6,4	8	1,578	80,79	
reggistaffe	12	6	6	6	0,888	31,97	
Ferri inf.	16	8	7	8	1,578	88,37	
Staffe	8	21	6,1	21	0,395	50,60	
<b>Trave</b>		<b>27-38</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16	8	8,19	8	1,578	103,39	
reggistaffe	12	6	6	6	0,888	31,97	

Ferri inf.	16	8	8,49	1,578	107,18
Staffe	8	30	6,1	0,395	72,29

<b>Trave</b>		<b>17-28</b>				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	8	6,4	1,578	80,79	
reggistaffe	12	6	6	0,888	31,97	
Ferri inf.	16	8	7	1,578	88,37	
Staffe	8	21	6,1	0,395	50,60	

<b>Trave</b>		<b>28-39</b>				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	8	8,19	1,578	103,39	
reggistaffe	12	6	6	0,888	31,97	
Ferri inf.	16	8	8,49	1,578	107,18	
Staffe	8	30	6,1	0,395	72,29	

<b>totale Kg</b>	<b>19.022,17</b>
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**Travi in elevazione solaio calpestio piano terra (30x40 cm)**

<b>Trave</b>		<b>4-5</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,1	1,578	28,88	
Ferri inf.	16	3	4,9	1,578	23,20	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>5-6</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,7	1,578	31,72	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	32	1,32	0,395	16,68	
<b>Trave</b>		<b>9-10</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	4,9	1,578	23,20	
monc. Sup	16	3	1,95	1,578	9,23	
monc. Inf	16	3	1,2	1,578	5,68	
Ferri inf.	16	3	4,4	1,578	20,83	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave</b>		<b>10-11</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	4,8	1,578	22,72	
monc. Sup	16	3	1,95	1,578	9,23	
monc. Inf	16	3	1,2	1,578	5,68	
Ferri inf.	16	3	4,3	1,578	20,36	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>32-33</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,55	1,578	31,01	
Ferri inf.	16	3	5,45	1,578	25,80	
Staffe	8	46	1,32	0,395	23,98	
<b>Trave</b>		<b>33-34</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,4	1,578	25,56	
Staffe	8	49	1,32	0,395	25,55	
<b>Trave</b>		<b>40-41</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,2	1,578	29,35	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>41-42</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>18-19</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	4	5,2	1,578	32,82	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>19-20</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>20-21</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,9	1,578	37,40	
Ferri inf.	16	4	6,2	1,578	39,13	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave</b>		<b>21-22</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,8	1,578	32,19	
Ferri inf.	16	3	4,7	1,578	22,25	
Staffe	8	28	1,32	0,395	14,60	



Trave	22-23		I [m]	p [Kg/ml]	P [Kg]
	φ [mm]	n			
Ferri sup.	16	3	7,2	1,578	34,08
Ferri inf.	16	4	5,5	1,578	34,72
Staffe	8	30	1,32	0,395	15,64

<b>Trave 23-24</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,4	1,578	35,03	
Ferri inf.	16	4	5,5	1,578	34,72	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 24-25</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,4	1,578	35,03	
Ferri inf.	16	4	5,5	1,578	34,72	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 25-26</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,4	1,578	35,03	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 26-27</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7	1,578	33,14	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 27-28</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	6	5	1,578	47,34	
Ferri inf.	16	3	3,9	1,578	18,46	
Staffe	8	24	1,32	0,395	12,51	
<b>Trave 8-19</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	4	6,4	1,578	40,40	
Ferri inf.	16	4	5	1,578	31,56	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 19-30</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	6,5	1,578	30,77	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 9-20</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 20-31</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	6,5	1,578	30,77	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 2-5</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	4	5,1	1,578	32,19	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave 5-10</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	4	6,95	1,578	43,87	
Ferri inf.	16	4	5,85	1,578	36,93	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 10-21</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,45	1,578	30,53	
Ferri inf.	16	3	5,05	1,578	23,91	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 21-32</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,55	1,578	35,74	
Ferri inf.	16	3	6,45	1,578	30,53	
Staffe	8	34	1,32	0,395	17,73	

<b>Trave</b>		<b>11-22</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>22-33</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	8,85	1,578	41,90		
Ferri inf.	16	3	6,9	1,578	32,66		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>33-41</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,5	1,578	30,77		
Ferri inf.	16	3	4,7	1,578	22,25		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>41-44</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	5,3	1,578	25,09		
Ferri inf.	16	3	4,5	1,578	21,30		
Staffe	8	25	1,32	0,395	13,04		
<b>Trave</b>		<b>12-23</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>23-34</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,55	1,578	35,74		
Ferri inf.	16	3	6,45	1,578	30,53		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>13-24</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>24-35</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>14-25</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>25-36</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	4	7,5	1,578	47,34		
Ferri inf.	16	4	6,5	1,578	41,03		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>15-26</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>26-37</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	4	7,5	1,578	47,34		
monc. Sup	16	3	2,4	1,578	11,36		
Ferri inf.	16	6	6,5	1,578	61,54		
Staffe	8	34	1,32	0,395	17,73		

<b>Trave</b>		<b>16-27</b>				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	

<b>Trave</b>		<b>27-38</b>				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	4	7,5	1,578	47,34	
monc. Sup	16	3	2,4	1,578	11,36	
Ferri inf.	16	6	6,5	1,578	61,54	
Staffe	8	34	1,32	0,395	17,73	

<b>Trave</b>		<b>9/10-ascensore</b>				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	6	2,83	1,578	26,79	
Ferri inf.	16	6	2,41	1,578	22,82	
Staffe	8	23	1,32	0,395	11,99	

<b>Trave</b>		<b>20/21-ascensore</b>				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	6	2,42	1,578	22,91	
Ferri inf.	16	6	2	1,578	18,94	
Staffe	8	19	1,32	0,395	9,91	

<b>totale Kg</b>	<b>3.332,64</b>
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**Travi in elevazione solaio calpestio piano terra (30x40 cm)**

<b>Trave</b>		<b>1-2</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,1	1,578	28,88	
Ferri inf.	16	3	4,9	1,578	23,20	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>2-3</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,7	1,578	31,72	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	32	1,32	0,395	16,68	
<b>Trave</b>		<b>4-5</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,1	1,578	28,88	
Ferri inf.	16	3	4,9	1,578	23,20	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>5-6</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,7	1,578	31,72	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	32	1,32	0,395	16,68	
<b>Trave</b>		<b>40-41</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,2	1,578	29,35	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>41-42</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>43-44</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
monc. Sup	16	1	2,1	1,578	3,31	
Ferri inf.	16	3	5,3	1,578	25,09	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>44-45</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
monc. Sup	16	1	2,1	1,578	3,31	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>7-8</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	27	1,32	0,395	14,08	

<b>Trave</b>		<b>8-9</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,6	1,578	35,98		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>9-10</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,9	1,578	37,40		
Ferri inf.	16	3	6	1,578	28,40		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>10-11</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,7	1,578	31,72		
Ferri inf.	16	3	5,71	1,578	27,03		
Staffe	8	28	1,32	0,395	14,60		
<b>Trave</b>		<b>11-12</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,2	1,578	34,08		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>12-13</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,7	1,578	26,98		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>13-14</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,7	1,578	36,45		
Ferri inf.	16	3	5,9	1,578	27,93		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>14-15</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,7	1,578	26,98		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>15-16</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,1	1,578	33,61		
Ferri inf.	16	3	5,7	1,578	26,98		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>16-17</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	4,9	1,578	23,20		
Ferri inf.	16	3	3,9	1,578	18,46		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>18-19</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,3	1,578	29,82		
Ferri inf.	16	3	5,2	1,578	24,62		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>19-20</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>20-21</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,9	1,578	37,40		
Ferri inf.	16	4	6,2	1,578	39,13		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>21-22</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,8	1,578	32,19		
Ferri inf.	16	3	4,7	1,578	22,25		
Staffe	8	28	1,32	0,395	14,60		

<b>Trave 22-23</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,2	1,578		34,08
Ferri inf.	16	4	5,5	1,578		34,72
Staffe	8	30	1,32	0,395		15,64
<b>Trave 23-24</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,4	1,578		35,03
Ferri inf.	16	4	5,5	1,578		34,72
Staffe	8	30	1,32	0,395		15,64
<b>Trave 24-25</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,4	1,578		35,03
Ferri inf.	16	4	5,5	1,578		34,72
Staffe	8	30	1,32	0,395		15,64
<b>Trave 25-26</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,4	1,578		35,03
Ferri inf.	16	3	5,5	1,578		26,04
Staffe	8	30	1,32	0,395		15,64
<b>Trave 26-27</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7	1,578		33,14
Ferri inf.	16	3	5,5	1,578		26,04
Staffe	8	29	1,32	0,395		15,12
<b>Trave 27-28</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	6	5	1,578		47,34
Ferri inf.	16	3	3,9	1,578		18,46
Staffe	8	24	1,32	0,395		12,51
<b>Trave 29-30</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	6,3	1,578		29,82
Ferri inf.	16	4	5,2	1,578		32,82
Staffe	8	27	1,32	0,395		14,08
<b>Trave 30-31</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,6	1,578		35,98
Ferri inf.	16	4	5,9	1,578		37,24
Staffe	8	27	1,32	0,395		14,08
<b>Trave 31-32</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,1	1,578		33,61
Ferri inf.	16	4	6,2	1,578		39,13
Staffe	8	29	1,32	0,395		15,12
<b>Trave 32-33</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7	1,578		33,14
Ferri inf.	16	3	5,75	1,578		27,22
Staffe	8	28	1,32	0,395		14,60
<b>Trave 33-34</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	6,45	1,578		30,53
Ferri inf.	16	4	5,65	1,578		35,66
Staffe	8	30	1,32	0,395		15,64
<b>Trave 34-35</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,15	1,578		33,85
Ferri inf.	16	4	5,5	1,578		34,72
Staffe	8	30	1,32	0,395		15,64
<b>Trave 35-36</b>						
	<b>φ [mm]</b>	<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>	
Ferri sup.	16	3	7,5	1,578		35,51
Ferri inf.	16	4	5,7	1,578		35,98
Staffe	8	30	1,32	0,395		15,64

<b>Trave</b>		<b>36-37</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,4	1,578	35,03		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>37-38</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,3	1,578	29,82		
Ferri inf.	16	3	5,2	1,578	24,62		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>38-39</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	3,89	1,578	18,42		
Ferri inf.	16	3	3,47	1,578	16,43		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>7-18</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	4	6,4	1,578	40,40		
monc. Sup	16	1	2	1,578	3,16		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>18-29</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
monc. Sup	16	1	2,2	1,578	3,47		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>8-19</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
monc. Sup	16	1	2	1,578	3,16		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>19-30</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
monc. Sup	16	1	2,2	1,578	3,47		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>1-4</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5,1	1,578	24,14		
Staffe	8	28	1,32	0,395	14,60		
<b>Trave</b>		<b>4-9</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	8,2	1,578	38,82		
Ferri inf.	16	3	6,6	1,578	31,24		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>9-20</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,7	1,578	36,45		
Ferri inf.	16	3	5,3	1,578	25,09		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>20-31</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		



<b>Trave 2-5</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave 5-10</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,95	1,578	32,90	
monc. Sup	16	1	2,1	1,578	3,31	
Ferri inf.	16	4	5,85	1,578	36,93	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 10-21</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 21-32</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	6,5	1,578	30,77	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 3-6</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave 6-11</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	8	1,578	37,87	
Ferri inf.	16	3	6,4	1,578	30,30	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 11-22</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,7	1,578	36,45	
Ferri inf.	16	3	5,3	1,578	25,09	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 22-33</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	8,85	1,578	41,90	
Ferri inf.	16	3	6,85	1,578	32,43	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 32-40</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,05	1,578	28,64	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave 40-43</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5,5	1,578	26,04	
Ferri inf.	16	3	4,5	1,578	21,30	
Staffe	8	25	1,32	0,395	13,04	
<b>Trave 33-41</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,5	1,578	30,77	
Ferri inf.	16	3	4,7	1,578	22,25	
Staffe	8	24	1,32	0,395	12,51	
<b>Trave 41-44</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5,3	1,578	25,09	
Ferri inf.	16	3	4,5	1,578	21,30	
Staffe	8	25	1,32	0,395	13,04	
<b>Trave 34-42</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5,65	1,578	26,75	
Ferri inf.	16	3	3,65	1,578	17,28	
Staffe	8	24	1,32	0,395	12,51	

Trave		42-45				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5	1,578	23,67	
Ferri inf.	16	3	4,6	1,578	21,78	
Staffe	8	25	1,32	0,395	13,04	

Trave		12-23				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	

<b>Trave</b>		<b>23-34</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
	<b>φ [mm]</b>						
Ferri sup.	16		3		8,85	1,578	41,90
Ferri inf.	16		3		6,85	1,578	32,43
Staffe	8		34		1,32	0,395	17,73
<b>Trave</b>		<b>13-24</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		6,4	1,578	30,30
Ferri inf.	16		3		5	1,578	23,67
Staffe	8		29		1,32	0,395	15,12
<b>Trave</b>		<b>24-35</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		7,5	1,578	35,51
Ferri inf.	16		3		6,5	1,578	30,77
Staffe	8		34		1,32	0,395	17,73
<b>Trave</b>		<b>14-25</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		6,4	1,578	30,30
Ferri inf.	16		3		5	1,578	23,67
Staffe	8		29		1,32	0,395	15,12
<b>Trave</b>		<b>25-36</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		7,5	1,578	35,51
monc. Sup	16		1		2,4	1,578	3,79
Ferri inf.	16		4		6,5	1,578	41,03
Staffe	8		34		1,32	0,395	17,73
<b>Trave</b>		<b>15-26</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		6,4	1,578	30,30
Ferri inf.	16		3		5	1,578	23,67
Staffe	8		29		1,32	0,395	15,12
<b>Trave</b>		<b>26-37</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		4		7,5	1,578	47,34
monc. Sup	16		3		2,4	1,578	11,36
Ferri inf.	16		6		6,5	1,578	61,54
Staffe	8		34		1,32	0,395	17,73
<b>Trave</b>		<b>16-27</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		6,4	1,578	30,30
Ferri inf.	16		3		5	1,578	23,67
Staffe	8		29		1,32	0,395	15,12
<b>Trave</b>		<b>27-38</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		7,5	1,578	35,51
monc. Sup	16		1		2,4	1,578	3,79
Ferri inf.	16		4		6,5	1,578	41,03
Staffe	8		34		1,32	0,395	17,73
<b>Trave</b>		<b>17-28</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		6,4	1,578	30,30
monc. Sup	16		1		2	1,578	3,16
Ferri inf.	16		3		5	1,578	23,67
Staffe	8		29		1,32	0,395	15,12
<b>Trave</b>		<b>28-39</b>		<b>n</b>	<b>l [ml]</b>	<b>p [Kg/ml]</b>	<b>P [Kg]</b>
Ferri sup.	16		3		7,5	1,578	35,51
monc. Sup	16		1		2,4	1,578	3,79
Ferri inf.	16		3		6,5	1,578	30,77
Staffe	8		34		1,32	0,395	17,73

<b>totale Kg</b>	<b>5.536,59</b>
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**Travi in elevazione solaio calpestio piano secondo (30x40 cm)**

<b>Trave</b>		<b>40-41</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,2	1,578	29,35	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>41-42</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>43-44</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,3	1,578	25,09	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>44-45</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>7-8</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>8-9</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>		<b>9-10</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,9	1,578	37,40	
Ferri inf.	16	3	6,2	1,578	29,35	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave</b>		<b>10-11</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7	1,578	33,14	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>		<b>11-12</b>				
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,1	1,578	33,61	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	30	1,32	0,395	15,64	

<b>Trave 12-13</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 13-14</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,7	1,578	36,45	
Ferri inf.	16	3	5,9	1,578	27,93	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 14-15</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 15-16</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,1	1,578	33,61	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 16-17</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	4,9	1,578	23,20	
Ferri inf.	16	3	3,9	1,578	18,46	
Staffe	8	24	1,32	0,395	12,51	
<b>Trave 18-19</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave 19-20</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave 20-21</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,9	1,578	37,40	
Ferri inf.	16	4	6,2	1,578	39,13	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 21-22</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,8	1,578	32,19	
Ferri inf.	16	3	4,7	1,578	22,25	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave 22-23</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,2	1,578	34,08	
Ferri inf.	16	4	5,5	1,578	34,72	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 23-24</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,4	1,578	35,03	
Ferri inf.	16	4	5,5	1,578	34,72	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 24-25</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,4	1,578	35,03	
Ferri inf.	16	4	5,5	1,578	34,72	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave 25-26</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,4	1,578	35,03	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	30	1,32	0,395	15,64	

<b>Trave</b>		<b>26-27</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7	1,578	33,14		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>27-28</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	5	1,578	23,67		
Ferri inf.	16	3	3,9	1,578	18,46		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>29-30</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,3	1,578	29,82		
Ferri inf.	16	4	5,2	1,578	32,82		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>30-31</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,6	1,578	35,98		
Ferri inf.	16	3	5,9	1,578	27,93		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>31-32</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,9	1,578	37,40		
Ferri inf.	16	4	6,2	1,578	39,13		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>32-33</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,8	1,578	27,46		
Staffe	8	28	1,32	0,395	14,60		
<b>Trave</b>		<b>33-34</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,3	1,578	34,56		
Ferri inf.	16	4	5,7	1,578	35,98		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>34-35</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,3	1,578	34,56		
Ferri inf.	16	4	5,5	1,578	34,72		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>35-36</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,7	1,578	26,98		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>36-37</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,4	1,578	35,03		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>37-38</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,3	1,578	29,82		
Ferri inf.	16	3	5,2	1,578	24,62		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>38-39</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	3,89	1,578	18,42		
Ferri inf.	16	3	3,47	1,578	16,43		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>7-18</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		

<b>Trave</b>		<b>18-29</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>8-19</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	4	6,4	1,578	40,40		
Ferri inf.	16	4	5	1,578	31,56		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>19-30</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>9-20</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>20-31</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>10-21</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,5	1,578	30,77		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>21-32</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,7	1,578	36,45		
Ferri inf.	16	3	6,6	1,578	31,24		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>11-22</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>22-33</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	8,85	1,578	41,90		
Ferri inf.	16	3	6,9	1,578	32,66		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>32-40</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	5,9	1,578	27,93		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>40-43</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	5,5	1,578	26,04		
Ferri inf.	16	3	4,5	1,578	21,30		
Staffe	8	25	1,32	0,395	13,04		

<b>Trave 33-41</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,5	1,578	30,77	
Ferri inf.	16	3	4,8	1,578	22,72	
Staffe	8	24	1,32	0,395	12,51	
<b>Trave 41-44</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5,4	1,578	25,56	
Ferri inf.	16	3	4,5	1,578	21,30	
Staffe	8	25	1,32	0,395	13,04	
<b>Trave 34-42</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5,6	1,578	26,51	
Ferri inf.	16	3	3,8	1,578	17,99	
Staffe	8	24	1,32	0,395	12,51	
<b>Trave 42-45</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	5,1	1,578	24,14	
Ferri inf.	16	3	4,5	1,578	21,30	
Staffe	8	25	1,32	0,395	13,04	
<b>Trave 12-23</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,5	1,578	30,77	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 23-34</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	8,85	1,578	41,90	
Ferri inf.	16	3	6,85	1,578	32,43	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 13-24</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 24-35</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	6,5	1,578	30,77	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 14-25</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 25-36</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
monc. Sup	16	2	2,4	1,578	7,57	
Ferri inf.	16	4	6,5	1,578	41,03	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 15-26</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave 26-37</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	4	7,5	1,578	47,34	
monc. Sup	16	3	2,4	1,578	11,36	
Ferri inf.	16	6	6,5	1,578	61,54	
Staffe	8	34	1,32	0,395	17,73	
<b>Trave 16-27</b>						
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	



Ferri inf.	16	3	5	1,578	23,67
Staffe	8	29	1,32	0,395	15,12

Trave		27-38				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
monc. Sup	16	2	2,4	1,578	7,57	
Ferri inf.	16	4	6,5	1,578	41,03	
Staffe	8	34	1,32	0,395	17,73	

Trave		17-28				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,4	1,578	30,30	
monc. Sup	16	1	2	1,578	3,16	
Ferri inf.	16	3	5	1,578	23,67	
Staffe	8	29	1,32	0,395	15,12	

Trave		28-39				
	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	6,5	1,578	30,77	
Staffe	8	34	1,32	0,395	17,73	

<b>totale Kg</b>	<b>4.727,90</b>
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**Travi in elevazione solaio calpestio coperura (30x40 cm)**

<b>Trave</b>	<b>7-8</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	6,3	1,578	29,82	
Ferri inf.	16	3	5,2	1,578	24,62	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>	<b>8-9</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	27	1,32	0,395	14,08	
<b>Trave</b>	<b>9-10</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,9	1,578	37,40	
Ferri inf.	16	3	6,2	1,578	29,35	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave</b>	<b>10-11</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7	1,578	33,14	
Ferri inf.	16	3	5,1	1,578	24,14	
Staffe	8	28	1,32	0,395	14,60	
<b>Trave</b>	<b>11-12</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,1	1,578	33,61	
Ferri inf.	16	3	5,5	1,578	26,04	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave</b>	<b>12-13</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave</b>	<b>13-14</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,7	1,578	36,45	
Ferri inf.	16	3	5,9	1,578	27,93	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave</b>	<b>14-15</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,5	1,578	35,51	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	30	1,32	0,395	15,64	
<b>Trave</b>	<b>15-16</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	7,1	1,578	33,61	
Ferri inf.	16	3	5,7	1,578	26,98	
Staffe	8	29	1,32	0,395	15,12	
<b>Trave</b>	<b>16-17</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]	
Ferri sup.	16	3	4,9	1,578	23,20	
Ferri inf.	16	3	3,9	1,578	18,46	
Staffe	8	24	1,32	0,395	12,51	

<b>Trave</b>		<b>18-19</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,3	1,578	29,82		
Ferri inf.	16	3	5,2	1,578	24,62		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>19-20</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>20-21</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,9	1,578	37,40		
Ferri inf.	16	3	6,2	1,578	29,35		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>21-22</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,8	1,578	32,19		
Ferri inf.	16	3	4,7	1,578	22,25		
Staffe	8	28	1,32	0,395	14,60		
<b>Trave</b>		<b>22-23</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,2	1,578	34,08		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>23-24</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,4	1,578	35,03		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>24-25</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,4	1,578	35,03		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>25-26</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,4	1,578	35,03		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>26-27</b>					
	$\phi$ [mm]	n	l [ml]	$\rho$ [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7	1,578	33,14		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	29	1,32	0,395	15,12		

<b>Trave</b>		<b>27-28</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	5	1,578	23,67		
Ferri inf.	16	3	3,9	1,578	18,46		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>29-30</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	6,3	1,578	29,82		
Ferri inf.	16	3	5,2	1,578	24,62		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>30-31</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,7	1,578	36,45		
Ferri inf.	16	3	5,9	1,578	27,93		
Staffe	8	27	1,32	0,395	14,08		
<b>Trave</b>		<b>31-32</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,9	1,578	37,40		
Ferri inf.	16	3	6,2	1,578	29,35		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>32-33</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7	1,578	33,14		
Ferri inf.	16	3	5,1	1,578	24,14		
Staffe	8	28	1,32	0,395	14,60		
<b>Trave</b>		<b>33-34</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,3	1,578	34,56		
Ferri inf.	16	3	5,7	1,578	26,98		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>34-35</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,3	1,578	34,56		
Ferri inf.	16	4	5,5	1,578	34,72		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>35-36</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	5,7	1,578	26,98		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>36-37</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,4	1,578	35,03		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	30	1,32	0,395	15,64		
<b>Trave</b>		<b>37-38</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7	1,578	33,14		
Ferri inf.	16	3	5,5	1,578	26,04		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>38-39</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	5	1,578	23,67		
Ferri inf.	16	3	3,9	1,578	18,46		
Staffe	8	24	1,32	0,395	12,51		
<b>Trave</b>		<b>7-18</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>18-29</b>					
	$\phi$ [mm]	<b>n</b>	<b>l</b> [ml]	<b>p</b> [Kg/ml]	<b>P</b> [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		

<b>Trave</b>		<b>8-19</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>19-30</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>9-20</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>20-31</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>10-21</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,5	1,578	30,77		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>21-32</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,7	1,578	36,45		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>11-22</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>12-23</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>23-34</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>13-24</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		

<b>Trave</b>		<b>24-35</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>14-25</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>25-36</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>15-26</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>26-37</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
monc. Sup	16	1	2,4	1,578	3,79		
Ferri inf.	16	4	6,5	1,578	41,03		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>16-27</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>27-38</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
monc. Sup	16	1	2,4	1,578	3,79		
Ferri inf.	16	4	6,5	1,578	41,03		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>17-28</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	6,4	1,578	30,30		
Ferri inf.	16	3	5	1,578	23,67		
Staffe	8	29	1,32	0,395	15,12		
<b>Trave</b>		<b>28-39</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	3	7,5	1,578	35,51		
Ferri inf.	16	3	6,5	1,578	30,77		
Staffe	8	34	1,32	0,395	17,73		
<b>Trave</b>		<b>9/10-ascensore</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	6	2,85	1,578	26,98		
Ferri inf.	16	6	2,43	1,578	23,01		
Staffe	8	23	1,32	0,395	11,99		
<b>Trave</b>		<b>20/21-ascensore</b>					
	$\phi$ [mm]	n	l [ml]	p [Kg/ml]	P [Kg]		
Ferri sup.	16	6	2,45	1,578	23,20		
Ferri inf.	16	6	2,03	1,578	19,22		
Staffe	8	19	1,32	0,395	9,91		

<b>totale Kg</b>	<b>3.959,67</b>
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## PILASTRI

**Pill. 7-8-9-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-33-34-35-36-37-38-39**

	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]
Fondazione - solaio piano terra	16	10	5,5	1,578	86,79
solaio piano terra - piano I°	16	10	4,5	1,578	71,01
solaio piano I° - piano II°	16	10	4,5	1,578	71,01
solaio piano II° - copertura	16	10	3,45	1,578	54,44
Staffe fondazione - copertura	8	175	1,55	0,395	107,14
Spille fondazione - copertura	8	175	0,5	0,395	34,56
					Kg 424,96
<b>tot x n. pill. 31</b>					<b>Kg 13173,67</b>

**Pill. 1-2-3-4-5-6**

	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]
Fondazione - solaio piano terra	16	10	5,5	1,578	86,79
solaio piano terra - piano I°	16	10	3,5	1,578	55,23
Staffe fondazione - copertura	8	89	1,55	0,395	54,49
Spille fondazione - copertura	8	89	0,5	0,395	17,58
					Kg 214,09
<b>tot x n. pill. 6</b>					<b>Kg 1284,53</b>

**Pill. 40-41-42-43-44-45**

	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]
Fondazione - solaio piano terra	16	10	5,5	1,578	86,79
solaio piano terra - piano I°	16	10	4,5	1,578	71,01
solaio piano I° - piano II°	16	10	3,5	1,578	55,23
Staffe fondazione - copertura	8	132	1,55	0,395	80,82
Spille fondazione - copertura	8	132	0,5	0,395	26,07
					Kg 319,92
<b>tot x n. pill. 6</b>					<b>Kg 1919,50</b>

**Pill. 10**

	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/ml]	P [Kg]
Fondazione - solaio piano terra	16	6	5,5	1,578	52,07
	12	18	5,5	0,888	87,91
solaio piano terra - piano I°	16	6	4,5	1,578	42,61
	12	18	4,5	0,888	71,93
solaio piano I° - piano II°	16	10	4,5	1,578	71,01
solaio piano II° - copertura	16	10	3,45	1,578	54,44
Staffe fondazione - copertura	8	175	3,65	0,395	252,31
Spille fondazione - copertura	8	350	0,5	0,395	69,13
					Kg 701,40
<b>tot x n. pill. 1</b>					<b>Kg 701,40</b>



**Pill. 32**

	$\phi$ [mm]	n	l [m]	$\rho$ [Kg/m]	P [Kg]
Fondazione - solaio piano terra	16	6	5,5	1,578	52,07
	12	14	5,5	0,888	68,38
solaio piano terra - piano I°	16	6	4,5	1,578	42,61
	12	14	4,5	0,888	55,94
solaio piano I° - piano II°	16	10	4,5	1,578	71,01
	12	14	4,5	0,888	55,94
solaio piano II° - copertura	16	10	3,45	1,578	54,44
Staffe fondazione - copertura	8	175	2,85	0,395	197,01
Spille fondazione - copertura	8	350	0,5	0,395	69,13
					<u>Kg 666,53</u>
			<b>tot x n. pill. 1</b>		<b>Kg 666,53</b>
			<b>TOTALE PILASTRI</b>		<b>17745,63</b>

## RIEPILOGO

### TRAVI

Kg

Fondazione	19.022,17
Piano terra	3.332,64
Piano primo	5.536,59
Piano secondo	4.727,90
Copertura	<u>3.959,67</u>
	<b>36.578,98</b>

### PILASTRI

**17.745,63**

**TOTALE Kg 54.324,61**