

OGGETTO: ADEGUAMENTO SISMICO SCUOLA MEDIA CENTRALE DI QUARRATA (PT)

TITOLO: **ARMATURA A LIVELLO DI FONDAZIONE**  
PRESENTANDO I RINFORZI E RELATIVI DETTAGLI

COMITENTE: COMUNE DI QUARRATA

CONTRUTTORE:

PROGETTISTA: D.L. PER LE OPERE STRUTTURALI

PROF. ING. ENRICO MANGONI

TABELLA MATERIALI

CONCRETO A 25 MPa (C25/25) - C25/25	DIAGONALI
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CONCRETO A 85 MPa (C85/97) - C85/97	TRAVI E COLONNE
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CONCRETO A 100 MPa (C100/112) - C100/112	TRAVI E COLONNE
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CONCRETO A 150 MPa (C150/162) - C150/162	TRAVI E COLONNE
CONCRETO A 155 MPa (C155/167) - C155/167	TRAVI E COLONNE
CONCRETO A 160 MPa (C160/172) - C160/172	TRAVI E COLONNE
CONCRETO A 165 MPa (C165/177) - C165/177	TRAVI E COLONNE
CONCRETO A 170 MPa (C170/182) - C170/182	TRAVI E COLONNE
CONCRETO A 175 MPa (C175/187) - C175/187	TRAVI E COLONNE
CONCRETO A 180 MPa (C180/192) - C180/192	TRAVI E COLONNE
CONCRETO A 185 MPa (C185/197) - C185/197	TRAVI E COLONNE
CONCRETO A 190 MPa (C190/202) - C190/202	TRAVI E COLONNE
CONCRETO A 195 MPa (C195/207) - C195/207	TRAVI E COLONNE
CONCRETO A 200 MPa (C200/212) - C200/212	TRAVI E COLONNE
CONCRETO A 205 MPa (C205/217) - C205/217	TRAVI E COLONNE
CONCRETO A 210 MPa (C210/222) - C210/222	TRAVI E COLONNE
CONCRETO A 215 MPa (C215/227) - C215/227	TRAVI E COLONNE
CONCRETO A 220 MPa (C220/232) - C220/232	TRAVI E COLONNE
CONCRETO A 225 MPa (C225/237) - C225/237	TRAVI E COLONNE
CONCRETO A 230 MPa (C230/242) - C230/242	TRAVI E COLONNE
CONCRETO A 235 MPa (C235/247) - C235/247	TRAVI E COLONNE
CONCRETO A 240 MPa (C240/252) - C240/252	TRAVI E COLONNE
CONCRETO A 245 MPa (C245/257) - C245/257	TRAVI E COLONNE
CONCRETO A 250 MPa (C250/262) - C250/262	TRAVI E COLONNE
CONCRETO A 255 MPa (C255/267) - C255/267	TRAVI E COLONNE
CONCRETO A 260 MPa (C260/272) - C260/272	TRAVI E COLONNE
CONCRETO A 265 MPa (C265/277) - C265/277	TRAVI E COLONNE
CONCRETO A 270 MPa (C270/282) - C270/282	TRAVI E COLONNE
CONCRETO A 275 MPa (C275/287) - C275/287	TRAVI E COLONNE
CONCRETO A 280 MPa (C280/292) - C280/292	TRAVI E COLONNE
CONCRETO A 285 MPa (C285/297) - C285/297	TRAVI E COLONNE
CONCRETO A 290 MPa (C290/302) - C290/302	TRAVI E COLONNE
CONCRETO A 295 MPa (C295/307) - C295/307	TRAVI E COLONNE
CONCRETO A 300 MPa (C300/312) - C300/312	TRAVI E COLONNE
CONCRETO A 305 MPa (C305/317) - C305/317	TRAVI E COLONNE
CONCRETO A 310 MPa (C310/322) - C310/322	TRAVI E COLONNE
CONCRETO A 315 MPa (C315/327) - C315/327	TRAVI E COLONNE
CONCRETO A 320 MPa (C320/332) - C320/332	TRAVI E COLONNE
CONCRETO A 325 MPa (C325/337) - C325/337	TRAVI E COLONNE
CONCRETO A 330 MPa (C330/342) - C330/342	TRAVI E COLONNE
CONCRETO A 335 MPa (C335/347) - C335/347	TRAVI E COLONNE
CONCRETO A 340 MPa (C340/352) - C340/352	TRAVI E COLONNE
CONCRETO A 345 MPa (C345/357) - C345/357	TRAVI E COLONNE
CONCRETO A 350 MPa (C350/362) - C350/362	TRAVI E COLONNE
CONCRETO A 355 MPa (C355/367) - C355/367	TRAVI E COLONNE
CONCRETO A 360 MPa (C360/372) - C360/372	TRAVI E COLONNE
CONCRETO A 365 MPa (C365/377) - C365/377	TRAVI E COLONNE
CONCRETO A 370 MPa (C370/382) - C370/382	TRAVI E COLONNE
CONCRETO A 375 MPa (C375/387) - C375/387	TRAVI E COLONNE
CONCRETO A 380 MPa (C380/392) - C380/392	TRAVI E COLONNE
CONCRETO A 385 MPa (C385/397) - C385/397	TRAVI E COLONNE
CONCRETO A 390 MPa (C390/402) - C390/402	TRAVI E COLONNE
CONCRETO A 395 MPa (C395/407) - C395/407	TRAVI E COLONNE
CONCRETO A 400 MPa (C400/412) - C400/412	TRAVI E COLONNE
CONCRETO A 405 MPa (C405/417) - C405/417	TRAVI E COLONNE
CONCRETO A 410 MPa (C410/422) - C410/422	TRAVI E COLONNE
CONCRETO A 415 MPa (C415/427) - C415/427	TRAVI E COLONNE
CONCRETO A 420 MPa (C420/432) - C420/432	TRAVI E COLONNE
CONCRETO A 425 MPa (C425/437) - C425/437	TRAVI E COLONNE
CONCRETO A 430 MPa (C430/442) - C430/442	TRAVI E COLONNE
CONCRETO A 435 MPa (C435/447) - C435/447	TRAVI E COLONNE
CONCRETO A 440 MPa (C440/452) - C440/452	TRAVI E COLONNE
CONCRETO A 445 MPa (C445/457) - C445/457	TRAVI E COLONNE
CONCRETO A 450 MPa (C450/462) - C450/462	TRAVI E COLONNE
CONCRETO A 455 MPa (C455/467) - C455/467	TRAVI E COLONNE
CONCRETO A 460 MPa (C460/472) - C460/472	TRAVI E COLONNE
CONCRETO A 465 MPa (C465/477) - C465/477	TRAVI E COLONNE
CONCRETO A 470 MPa (C470/482) - C470/482	TRAVI E COLONNE
CONCRETO A 475 MPa (C475/487) - C475/487	TRAVI E COLONNE
CONCRETO A 480 MPa (C480/492) - C480/492	TRAVI E COLONNE
CONCRETO A 485 MPa (C485/497) - C485/497	TRAVI E COLONNE
CONCRETO A 490 MPa (C490/502) - C490/502	TRAVI E COLONNE
CONCRETO A 495 MPa (C495/507) - C495/507	TRAVI E COLONNE
CONCRETO A 500 MPa (C500/512) - C500/512	TRAVI E COLONNE
CONCRETO A 505 MPa (C505/517) - C505/517	TRAVI E COLONNE
CONCRETO A 510 MPa (C510/522) - C510/522	TRAVI E COLONNE
CONCRETO A 515 MPa (C515/527) - C515/527	TRAVI E COLONNE
CONCRETO A 520 MPa (C520/532) - C520/532	TRAVI E COLONNE
CONCRETO A 525 MPa (C525/537) - C525/537	TRAVI E COLONNE
CONCRETO A 530 MPa (C530/542) - C530/542	TRAVI E COLONNE
CONCRETO A 535 MPa (C535/547) - C535/547	TRAVI E COLONNE
CONCRETO A 540 MPa (C540/552) - C540/552	TRAVI E COLONNE
CONCRETO A 545 MPa (C545/557) - C545/557	TRAVI E COLONNE
CONCRETO A 550 MPa (C550/562) - C550/562	TRAVI E COLONNE
CONCRETO A 555 MPa (C555/567) - C555/567	TRAVI E COLONNE
CONCRETO A 560 MPa (C560/572) - C560/572	TRAVI E COLONNE
CONCRETO A 565 MPa (C565/577) - C565/577	TRAVI E COLONNE
CONCRETO A 570 MPa (C570/582) - C570/582	TRAVI E COLONNE
CONCRETO A 575 MPa (C575/587) - C575/587	TRAVI E COLONNE
CONCRETO A 580 MPa (C580/592) - C580/592	TRAVI E COLONNE
CONCRETO A 585 MPa (C585/597) - C585/597	TRAVI E COLONNE
CONCRETO A 590 MPa (C590/602) - C590/602	TRAVI E COLONNE
CONCRETO A 595 MPa (C595/607) - C595/607	TRAVI E COLONNE
CONCRETO A 600 MPa (C600/612) - C600/612	TRAVI E COLONNE
CONCRETO A 605 MPa (C605/617) - C605/617	TRAVI E COLONNE
CONCRETO A 610 MPa (C610/622) - C610/622	TRAVI E COLONNE
CONCRETO A 615 MPa (C615/627) - C615/627	TRAVI E COLONNE
CONCRETO A 620 MPa (C620/632) - C620/632	TRAVI E COLONNE
CONCRETO A 625 MPa (C625/637) - C625/637	TRAVI E COLONNE
CONCRETO A 630 MPa (C630/642) - C630/642	TRAVI E COLONNE
CONCRETO A 635 MPa (C635/647) - C635/647	TRAVI E COLONNE
CONCRETO A 640 MPa (C640/652) - C640/652	TRAVI E COLONNE
CONCRETO A 645 MPa (C645/657) - C645/657	TRAVI E COLONNE
CONCRETO A 650 MPa (C650/662) - C650/662	TRAVI E COLONNE
CONCRETO A 655 MPa (C655/667) - C655/667	TRAVI E COLONNE
CONCRETO A 660 MPa (C660/672) - C660/672	TRAVI E COLONNE
CONCRETO A 665 MPa (C665/677) - C665/677	TRAVI E COLONNE
CONCRETO A 670 MPa (C670/682) - C670/682	TRAVI E COLONNE
CONCRETO A 675 MPa (C675/687) - C675/687	TRAVI E COLONNE
CONCRETO A 680 MPa (C680/692) - C680/692	TRAVI E COLONNE
CONCRETO A 685 MPa (C685/697) - C685/697	TRAVI E COLONNE
CONCRETO A 690 MPa (C690/702) - C690/702	TRAVI E COLONNE
CONCRETO A 695 MPa (C695/707) - C695/707	TRAVI E COLONNE
CONCRETO A 700 MPa (C700/712) - C700/712	TRAVI E COLONNE
CONCRETO A 705 MPa (C705/717) - C705/717	TRAVI E COLONNE
CONCRETO A 710 MPa (C710/722) - C710/722	TRAVI E COLONNE
CONCRETO A 715 MPa (C715/727) - C715/727	TRAVI E COLONNE
CONCRETO A 720 MPa (C720/732) - C720/732	TRAVI E COLONNE
CONCRETO A 725 MPa (C725/737) - C725/737	TRAVI E COLONNE
CONCRETO A 730 MPa (C730/742) - C730/742	TRAVI E COLONNE
CONCRETO A 735 MPa (C735/747) - C735/747	TRAVI E COLONNE
CONCRETO A 740 MPa (C740/752) - C740/752	TRAVI E COLONNE
CONCRETO A 745 MPa (C745/757) - C745/757	TRAVI E COLONNE
CONCRETO A 750 MPa (C750/762) - C750/762	TRAVI E COLONNE
CONCRETO A 755 MPa (C755/767) - C755/767	TRAVI E COLONNE
CONCRETO A 760 MPa (C760/772) - C760/772	TRAVI E COLONNE
CONCRETO A 765 MPa (C765/777) - C765/777	TRAVI E COLONNE
CONCRETO A 770 MPa (C770/782) - C770/782	TRAVI E COLONNE
CONCRETO A 775 MPa (C775/787) - C775/787	TRAVI E COLONNE
CONCRETO A 780 MPa (C780/792) - C780/792	TRAVI E COLONNE
CONCRETO A 785 MPa (C785/797) - C785/797	TRAVI E COLONNE
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CONCRETO A 795 MPa (C795/807) - C795/807	TRAVI E COLONNE
CONCRETO A 800 MPa (C800/812) - C800/812	TRAVI E COLONNE
CONCRETO A 805 MPa (C805/817) - C805/817	TRAVI E COLONNE
CONCRETO A 810 MPa (C810/822) - C810/822	TRAVI E COLONNE
CONCRETO A 815 MPa (C815/827) - C815/827	TRAVI E COLONNE
CONCRETO A 820 MPa (C820/832) - C820/832	TRAVI E COLONNE
CONCRETO A 825 MPa (C825/837) - C825/837	TRAVI E COLONNE
CONCRETO A 830 MPa (C830/842) - C830/842	TRAVI E COLONNE
CONCRETO A 835 MPa (C835/847) - C835/847	TRAVI E COLONNE
CONCRETO A 840 MPa (C840/852) - C840/852	TRAVI E COLONNE
CONCRETO A 845 MPa (C845/857) - C845/857	TRAVI E COLONNE
CONCRETO A 850 MPa (C850/862) - C850/862	TRAVI E COLONNE
CONCRETO A 855 MPa (C855/867) - C855/867	TRAVI E COLONNE
CONCRETO A 860 MPa (C860/872) - C860/872	TRAVI E COLONNE
CONCRETO A 865 MPa (C865/877) - C865/877	TRAVI E COLONNE
CONCRETO A 870 MPa (C870/882) - C870/882	TRAVI E COLONNE
CONCRETO A 875 MPa (C875/887) - C875/887	TRAVI E COLONNE
CONCRETO A 880 MPa (C880/892) - C880/892	TRAVI E COLONNE
CONCRETO A 885 MPa (C885/897) - C885/897	TRAVI E COLONNE
CONCRETO A 890 MPa (C890/902) - C890/902	TRAVI E COLONNE
CONCRETO A 895 MPa (C895/907) - C895/907	TRAVI E COLONNE
CONCRETO A 900 MPa (C900/912) - C900/912	TRAVI E COLONNE
CONCRETO A 905 MPa (C905/917) - C905/917	TRAVI E COLONNE
CONCRETO A 910 MPa (C910/922) - C910/922	TRAVI E COLONNE
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CONCRETO A 935 MPa (C935/947) - C935/947	TRAVI E COLONNE
CONCRETO A 940 MPa (C940/952) - C940/952	TRAVI E COLONNE
CONCRETO A 945 MPa (C945/957) - C945/957	TRAVI E COLONNE
CONCRETO A 950 MPa (C950/962) - C950/962	TRAVI E COLONNE
CONCRETO A 955 MPa (C955/967) - C955/967	TRAVI E COLONNE
CONCRETO A 960 MPa (C960/972) - C960/972	TRAVI E COLONNE
CONCRETO A 965 MPa (C965/977) - C965/977	TRAVI E COLONNE
CONCRETO A 970 MPa (C970/982) - C970/982	TRAVI E COLONNE
CONCRETO A 975 MPa (C975/987) - C975/987	TRAVI E COLONNE
CONCRETO A 980 MPa (C980/992) - C980/992	TRAVI E COLONNE
CONCRETO A 985 MPa (C985/997) - C985/997	TRAVI E COLONNE
CONCRETO A 990 MPa (C990/1002) - C990/1002	TRAVI E COLONNE
CONCRETO A 995 MPa (C995/1007) - C995/1007	TRAVI E COLONNE
CONCRETO A 1000 MPa (C1000/1012) - C1000/1012	TRAVI E COLONNE
CONCRETO A 1005 MPa (C1005/1017) - C1005/1017	TRAVI E COLONNE
CONCRETO A 1010 MPa (C1010/1022) - C1010/1022	TRAVI E COLONNE
CONCRETO A 1015 MPa (C1015/1027) - C1015/1027	TRAVI E COLONNE
CONCRETO A 1020 MPa (C1020/1032) - C1020/1032	TRAVI E COLONNE
CONCRETO A 1025 MPa (C1025/1037) - C1025/1037	TRAVI E COLONNE
CONCRETO A 1030 MPa (C1030/1042) - C1030/1042	TRAVI E COLONNE
CONCRETO A 1035 MPa (C1035/1047) - C1035/1047	TRAVI E COLONNE
CONCRETO A 1040 MPa (C1040/1052) - C1040/1052	TRAVI E COLONNE
CONCRETO A 1045 MPa (C1045/1057) - C1045/1057	TRAVI E COLONNE
CONCRETO A 1050 MPa (C1050/1062) - C1050/1062	TRAVI E COLONNE
CONCRETO A 1055 MPa (C1055/1067) - C1055/1067	TRAVI E COLONNE
CONCRETO A 1060 MPa (C1060/1072) - C1060/1072	TRAVI E COLONNE
CONCRETO A 1065 MPa (C1065/1077) - C1065/1077	TRAVI E COLONNE
CONCRETO A 1070 MPa (C1070/1082) - C1070/1082	TRAVI E COLONNE
CONCRETO A 1075 MPa (C1075/1087) - C1075/1087	TRAVI E COLONNE
CONCRETO A 1080 MPa (C1080/1092) - C1080/1092	TRAVI E COLONNE
CONCRETO A 1085 MPa (C1085/1097) - C1085/1097	TRAVI E COLONNE
CONCRETO A 1090 MPa (C1090/1102) - C1090/1102	TRAVI E COLONNE
CONCRETO A 1095 MPa (C1095/1107) - C1095/1107	TRAVI E COLONNE
CONCRETO A 1100 MPa (C1100/1112) - C1100/1112	TRAVI E COLONNE
CONCRETO A 1105 MPa (C1105/1117) - C1105/1117	TRAVI E COLONNE
CONCRETO A 1110 MPa (C1110/1122) - C1110/1122	TRAVI E COLONNE
CONCRETO A 1115 MPa (C1115/1127) - C1115/1127	TRAVI E COLONNE
CONCRETO A 1120 MPa (C1120/1132) - C1120/1132	TRAVI E COLONNE
CONCRETO A 1125 MPa (C1125/1137) - C1125/1137	TRAVI E COLONNE
CONCRETO A 1130 MPa (C1130/1142) - C1130/1142	TRAVI E COLONNE
CONCRETO A 1135 MPa (C1135/1147) - C1135/1147	TRAVI E COLONNE
CONCRETO A 1140 MPa (C1140/1152) - C1140/1152	TRAVI E COLONNE
CONCRETO A 1145 MPa (C1145/1157) - C1145/1157	TRAVI E COLONNE
CONCRETO A 1150 MPa (C1150/1162) - C1150/1162	TRAVI E COLONNE
CONCRETO A 1155 MPa (C1155/1167) - C1155/1167	TRAVI E COLONNE
CONCRETO A 1160 MPa (C1160/1172) - C1160/1172	TRAVI E COLONNE
CONCRETO A 1165 MPa (C1165/1177) - C1165/1177	TRAVI E COLONNE
CONCRETO A 1170 MPa (C1170/1182) - C1170/1182	TRAVI E COLONNE
CONCRETO A 1175 MPa (C1175/1187) - C1175/1187	TRAVI E COLONNE
CONCRETO A 1180 MPa (C1180/1192) - C1180/1192	TRAVI E COLONNE
CONCRETO A 1185 MPa (C1185/1197) - C1185/1197	TRAVI E COLONNE
CONCRETO A 1190 MPa (C1190/1202) - C1190/1202	TRAVI E COLONNE
CONCRETO A 1195 MPa (C1195/1207) - C1195/1207	TRAVI E COLONNE
CONCRETO A 1200 MPa (C1200/1212) - C1200/	