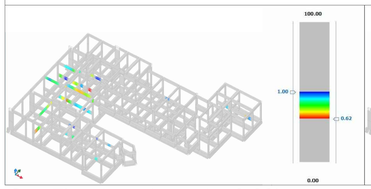
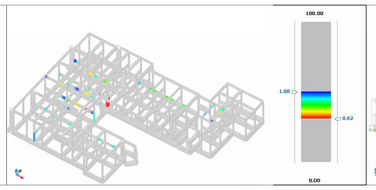
SINTESI DELLE VULNERABILITA' STATICHE E SISMICHE

CORPO A

ANALISI STATICA

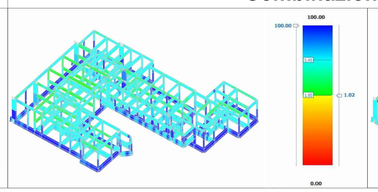
Combinazione Fondamentale

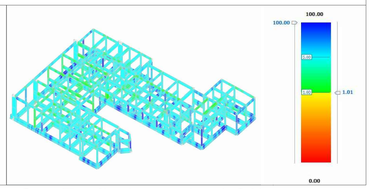

C.s. Flessione (c.s.min. 0,62)


C.s. Taglio (c.s. min. 0,62)

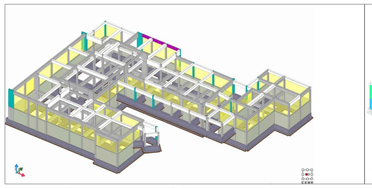
C.s. Qlim Terreno (c.s. min. 9,12)

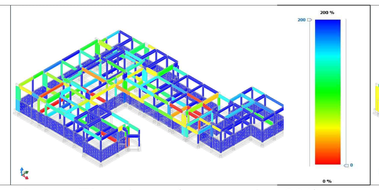
Combinazione Sismica

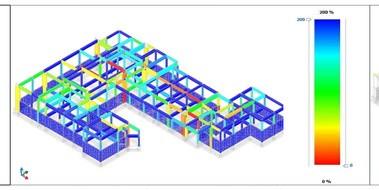

C.s. Flessione (c.s. min. 1,02)

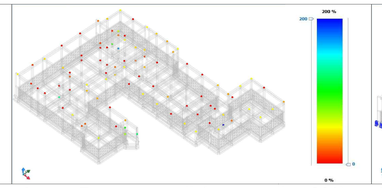

C.s. Taglio (c.s. min. 1,01)

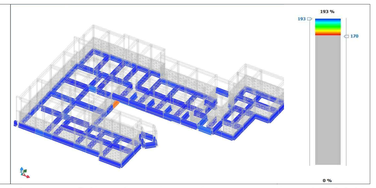
ANALISI SISMICA


Modello sismico 3D


A.s.c. Flessione (a.s.c. min. 0%)


A.s.c. Taglio (a.s.c. min. 0%)

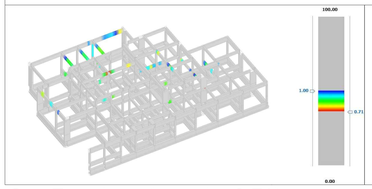

A.s.c. Rottura nodi (a.s.c. min. 0%)

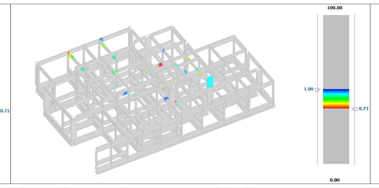

A.s.c. Qlim fondaz. (a.s.c. min. 170%)

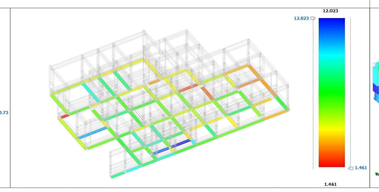
CORPO B

ANALISI STATICA

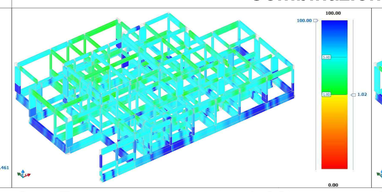
Combinazione Fondamentale

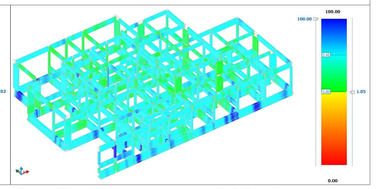

C.s. Flessione (c.s.min. 0,71)


C.s. Taglio (c.s. min. 0,73)

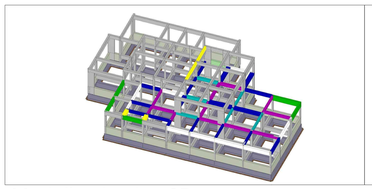

C.s. Qlim Terreno (c.s. min. 1,46)

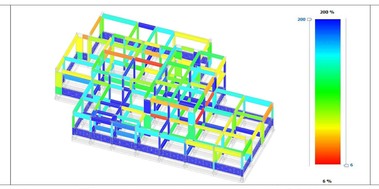
Combinazione Sismica

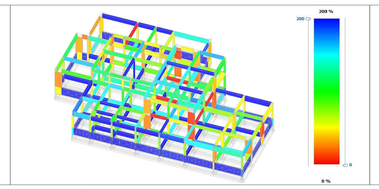

C.s. Flessione (c.s. min. 1,02)

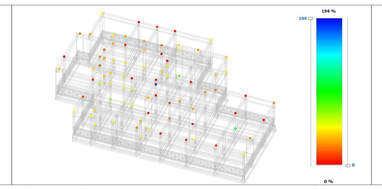

C.s. Taglio (c.s. min. 1,05)

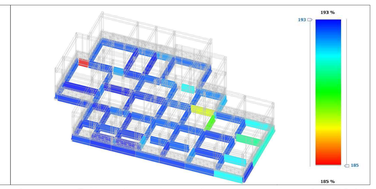
ANALISI SISMICA


Modello sismico 3D


A.s.c. Flessione (a.s.c. min. 6%)


A.s.c. Taglio (a.s.c. min. 0%)

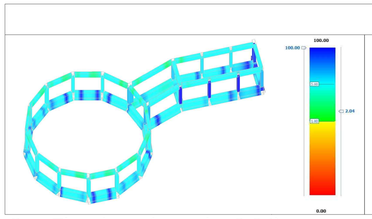

A.s.c. Rottura nodi (a.s.c. min. 0%)

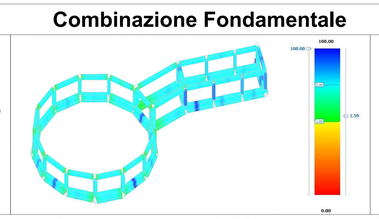

A.s.c. Qlim fondaz. (a.s.c. min. 185%)

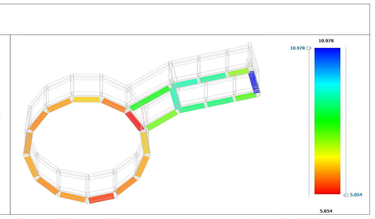
CORPO C

ANALISI STATICA

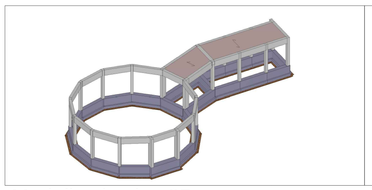
Combinazione Fondamentale

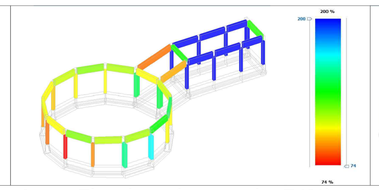

C.s. Flessione (c.s.min. 2,04)

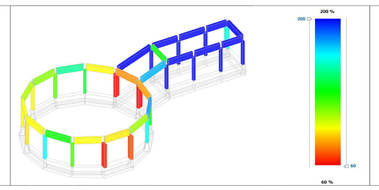

C.s. Taglio (c.s. min. 1,59)

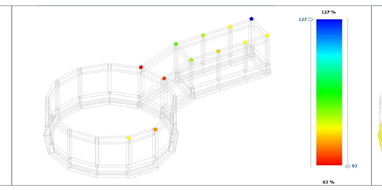

C.s. Qlim Terreno (c.s. min. 5,05)

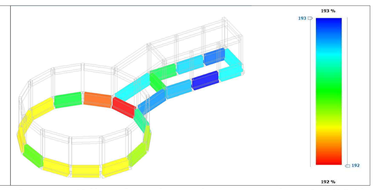
ANALISI SISMICA

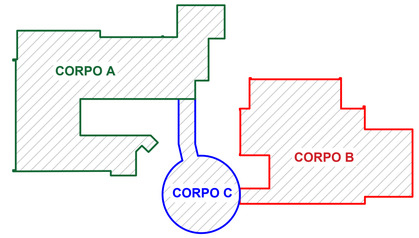

Modello sismico 3D


A.s.c. Flessione (a.s.c. min. 74%)


A.s.c. Taglio (a.s.c. min. 60%)


A.s.c. Rottura nodi (a.s.c. min. 63%)


A.s.c. Qlim fondaz. (a.s.c. min. 192%)



KEY PLAN

TABELLA RIASSUNTIVA

Resistenza dei materiali (valori medi utilizzati nelle analisi)			
	Cls fondazione	Cls elevazione	Acciaio in barre
Resistenza a Compressione (N/mm2)	21,3	21,3	
Resistenza allo snervamento (N/mm2)			315
Modulo di elasticità Normale (Gpa)	30,2	30,2	
Modulo di elasticità Tangenziali (Gpa)	12,58	12,58	

Domanda: valori di riferimento delle accelerazioni e dei periodi di ritorno dell'azione sismica		
Stato limite	Accelerazione (g)	Trd (anni)
Stato limite di collasso (SLC)	0,260	1462
Stato limite di salvaguardia (SLV)	0,195	712
Stato limite di danno (SLD)	0,063	75
Stato limite di operatività (SLO)	0,045	45

Corpo A	
Analisi statica - Comb. Fond.	
c.s. Flessione	**0,62**
c.s. Taglio	**0,62**
c.s. Qlim terreno	9,12
Analisi statica - Comb. Sismica	
c.s. Flessione	1,02
c.s. Taglio	1,01
Analisi sismica	
a.s.c. Flessione	0
a.s.c. Taglio	0
a.s.c. Rottura nodi	0
a.s.c. Qlim fond.	170

Corpo B	
Analisi statica - Comb. Fond.	
c.s. Flessione	**0,71**
c.s. Taglio	0,73
c.s. Qlim terreno	1,46
Analisi statica - Comb. Sismica	
c.s. Flessione	1,02
c.s. Taglio	1,05
Analisi sismica	
a.s.c. Flessione	6
a.s.c. Taglio	0
a.s.c. rottura nodi	0
a.s.c. Qlim fond.	185

Corpo C	
Analisi statica - Comb. Fond.	
c.s. Flessione	2,04
c.s. Taglio	1,59
c.s. Qlim terreno	5,05
Analisi sismica	
a.s.c. Flessione	74
a.s.c. Taglio	60
a.s.c. Rottura nodi	63
a.s.c. Qlim fond.	192

Abbreviazioni utilizzate:
c.s. : coefficiente di sicurezza
A.s.c.: acc. sismica di collasso
Qlim: carico limite
Combinazione fondamentale: 1,3 G1+1,3 G2 + 1,5 Qs + 0,75 Qn
Combinazione sismica: G1 + G2 + 0,6 Qs + 0,0 Qn + 0,0 Qc

COMUNE DI MONTEVAGO

R.T.P. "Marino": ABGroup s.n.c. (capogruppo), Vamirgeoind s.r.l. (mandante)
Via Maggiore Toselli n.10 - 90143 Palermo (PA) - Tel./Fax +39 091 2513514
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www.abgroupweb.it email:info@abgroupweb.it

COMUNE DI MONTEVAGO

Provincia di Agrigento

Servizio di indagini, prove di laboratorio, verifica sismica al fine della vulnerabilità simica e definizione degli interventi strutturali della Scuola dell'infanzia "Biagio Marino"

CIG: Z9728B5ADC - CUP: C11G18000190006

IL R.U.P.
Ing. Rosa Letizia Maria Sanzone

IL TECNICO:
R.T.P. "Marino": ABGroup s.n.c. (capogruppo)
Ing. Matteo Accardi

ORDINE DEGLI INGEGNERI DI AGRIGENTO
ING. MATTEO ACCARDI N. 1172

ST 6

OGGETTO: SINTESI DELLE VULNERABILITA' STATICHE E SISMICHE

SCALE:

DATA: 07/01/2020

Revisione: 00 - Prima emissione

SPAZIO PER I VISTI: