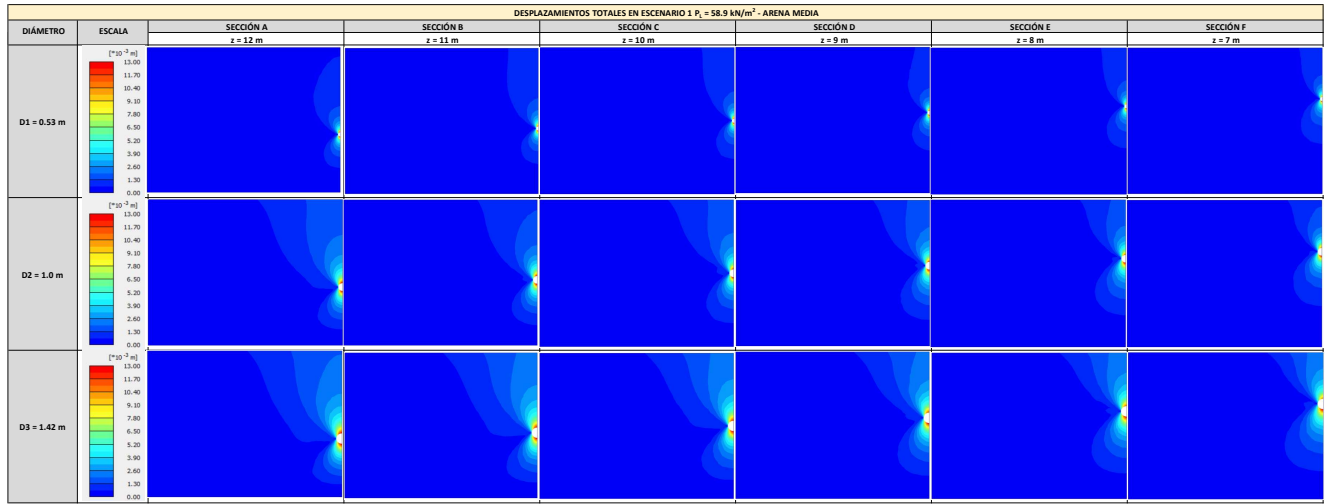
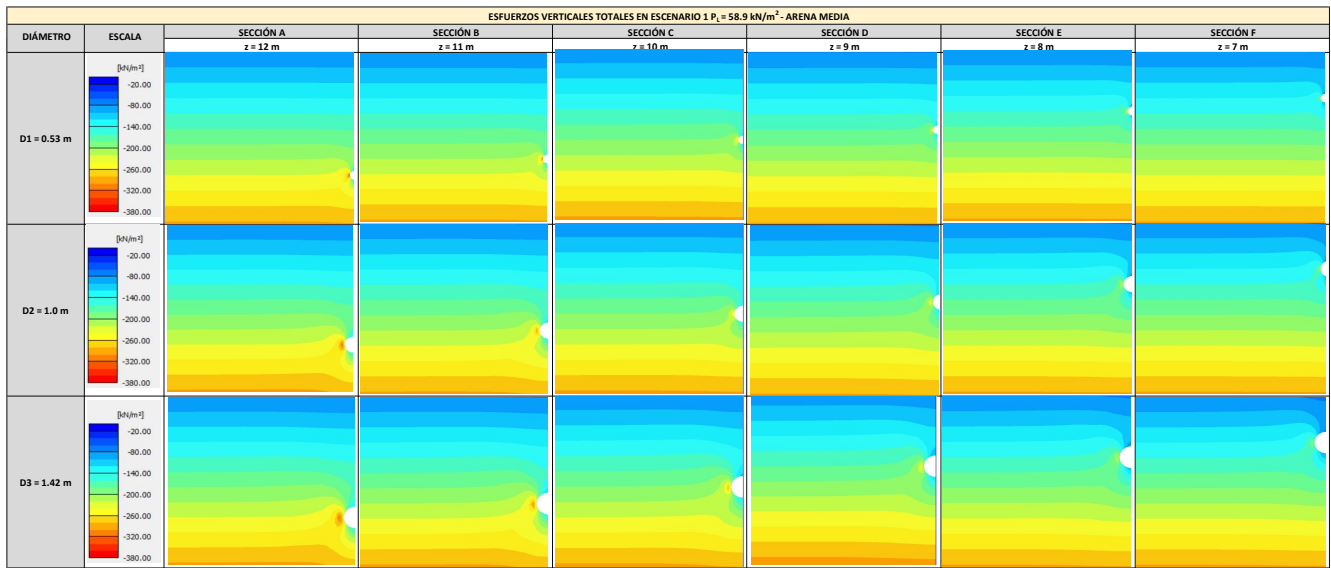


ANEXO 1.1

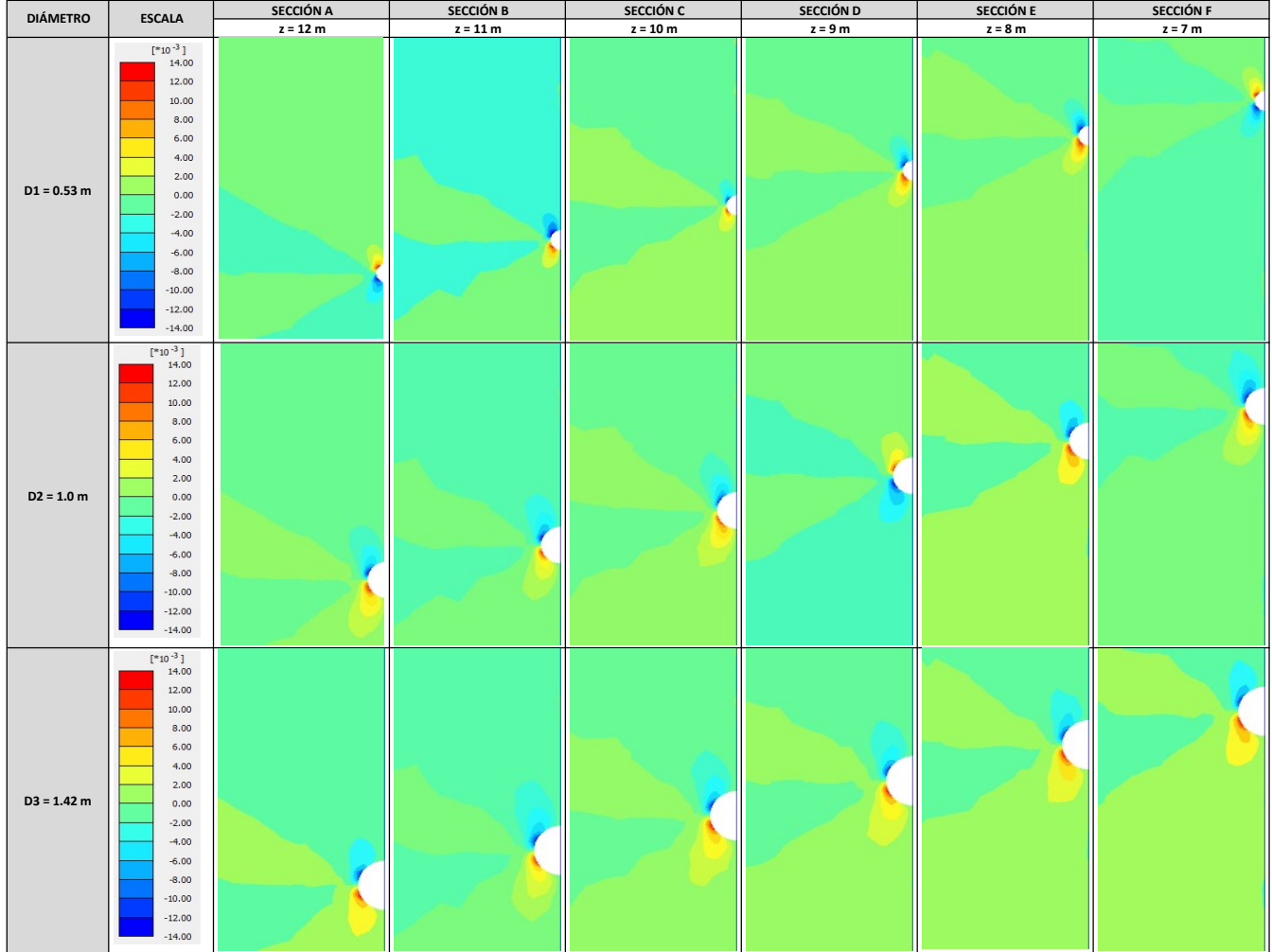
Secciones de análisis modelo 1.1- Escenario 1- Arena suelta

DESPLAZAMIENTOS TOTALES EN ESCENARIO 1 P₁ = 58.9 kN/m² - ARENA MEDIA





DEFORMACIONES CORTANTES EN ESCENARIO 1 $P_L = 58.9 \text{ kN/m}^2$ - ARENA MEDIA

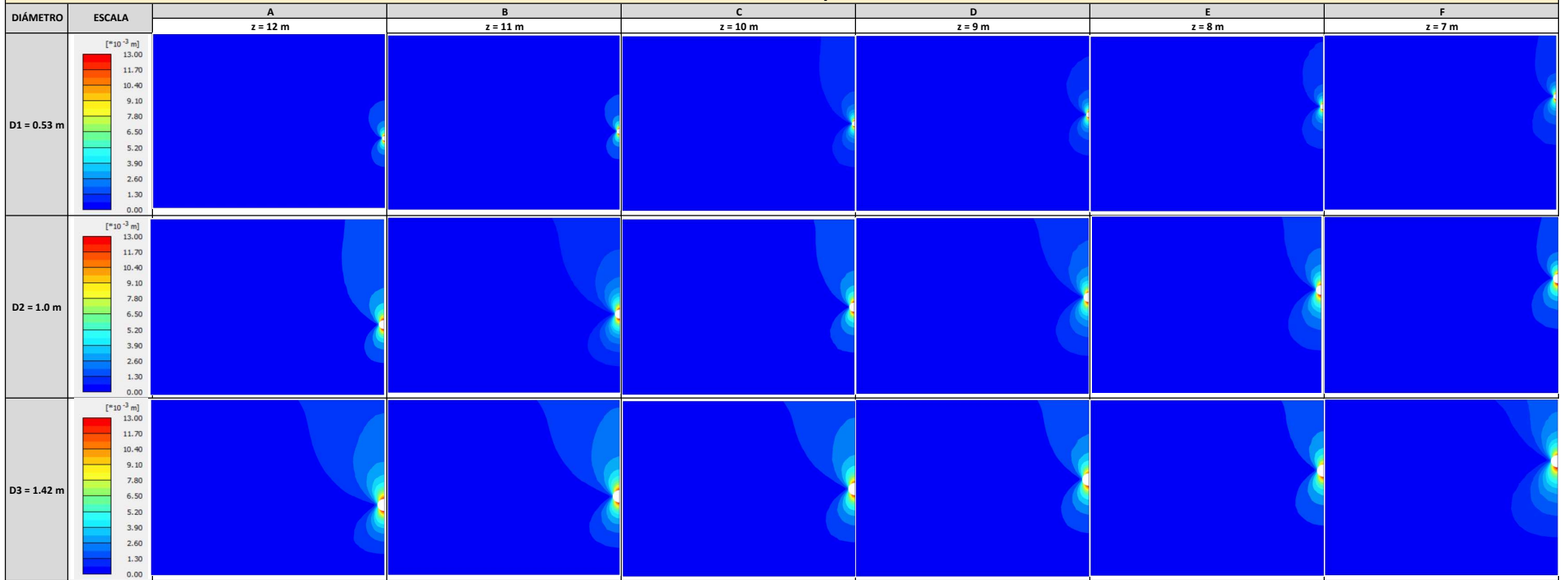


PLASTIC POINTS - ARENA MEDIA $R_t = 58.9 \text{ kN/m}^2$						
SECCIÓN	A	B	C	D	E	F
PROFUNDIDAD	12 m	11 m	10 m	9 m	8 m	7 m
DIÁMETRO D1 = 0.53 m						
DIÁMETRO D2 = 1.0 m						
DIÁMETRO D3 = 1.42 m						

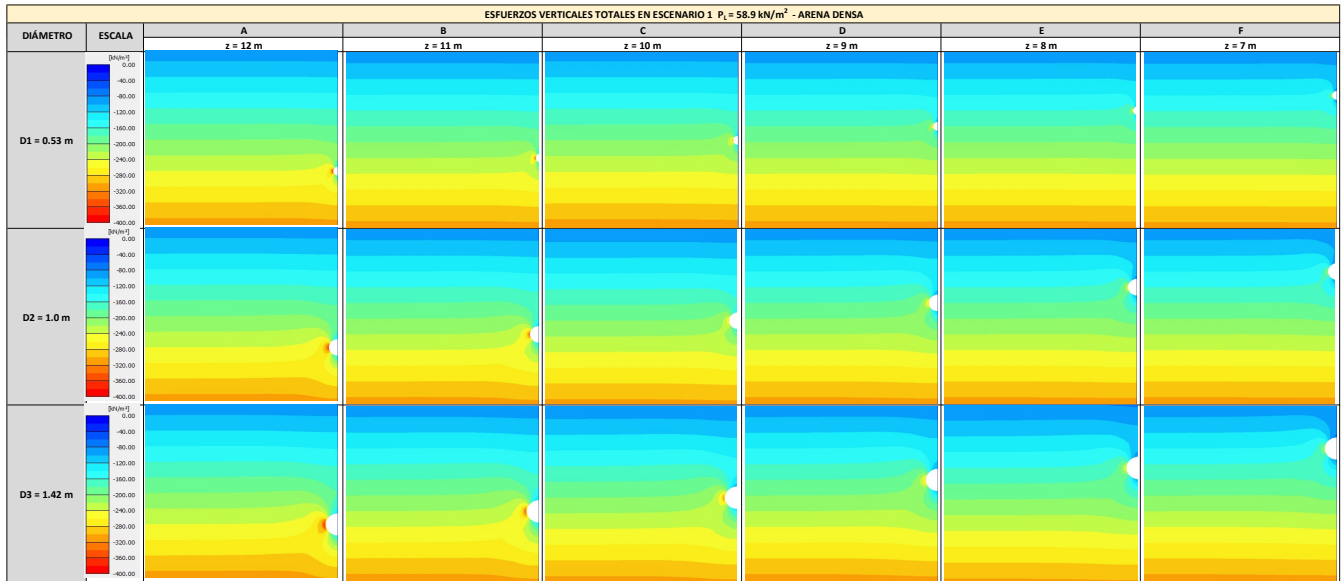
ANEXO 1.2

Secciones de análisis modelo 1.2- Escenario 1- Arena media

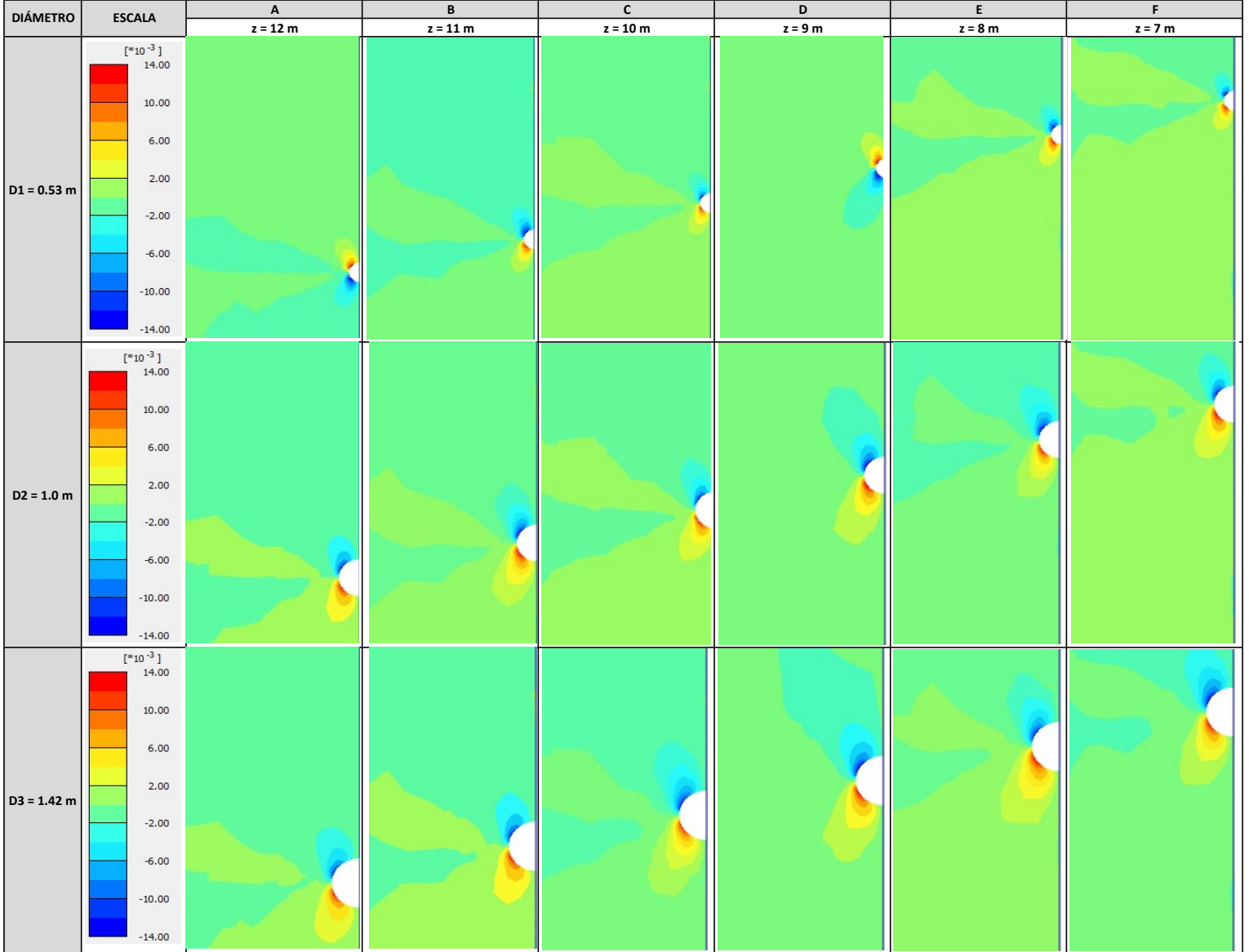
DESPLAZAMIENTOS TOTALES EN ESCENARIO 1 $P_t = 58.9 \text{ kN/m}^2$ -ARENA DENSA



ESFUERZOS VERTICALES TOTALES EN ESCENARIO 1 $P_1 = 58.9 \text{ kN/m}^2$ - ARENA DENSA



DEFORMACIONES CORTANTES EN ESCENARIO 1 $P_L = 58.9 \text{ kN/m}^2$ - ARENA DENSA

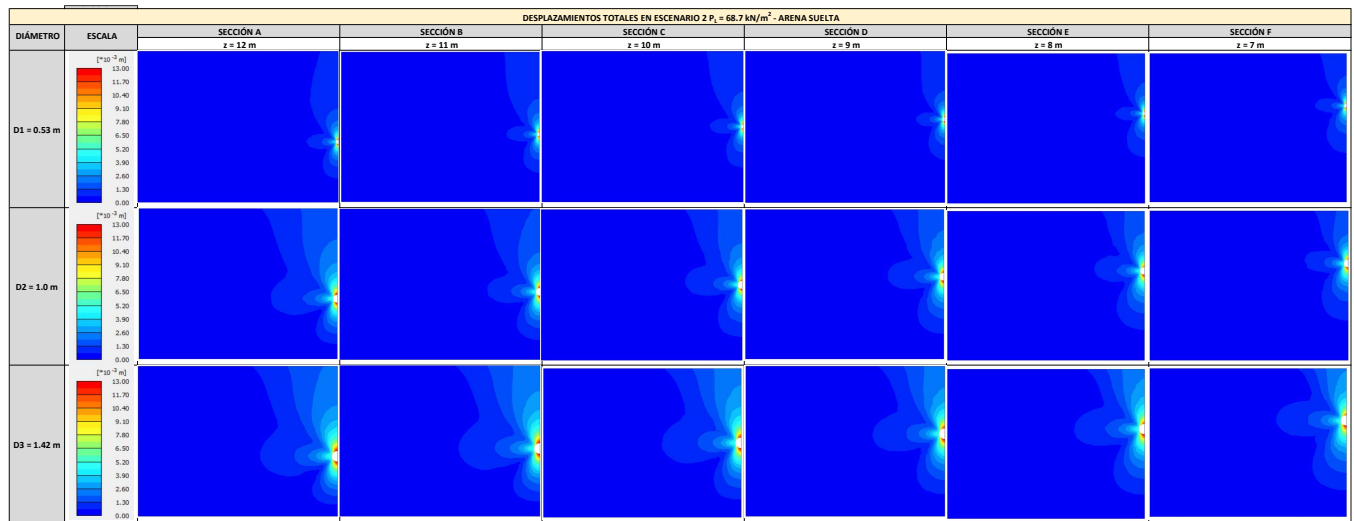


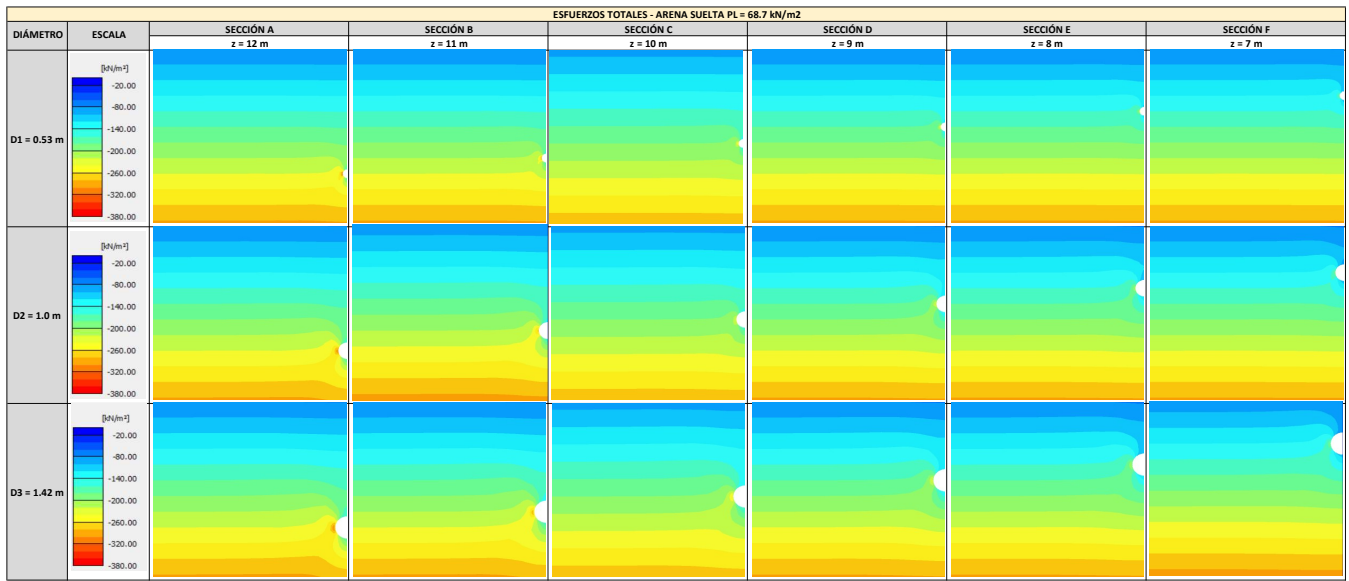
PLASTIC POINTS - ARENA DENSA $P_t = 58.9 \text{ kN/m}^2$

SECCIÓN	A	B	C	D	E	F
PROFUNDIDAD	12 m	11 m	10 m	9 m	8 m	7 m
DIÁMETRO D1 = 0.53 m						
DIÁMETRO D2 = 1.0 m						
DIÁMETRO D3 = 1.42 m						

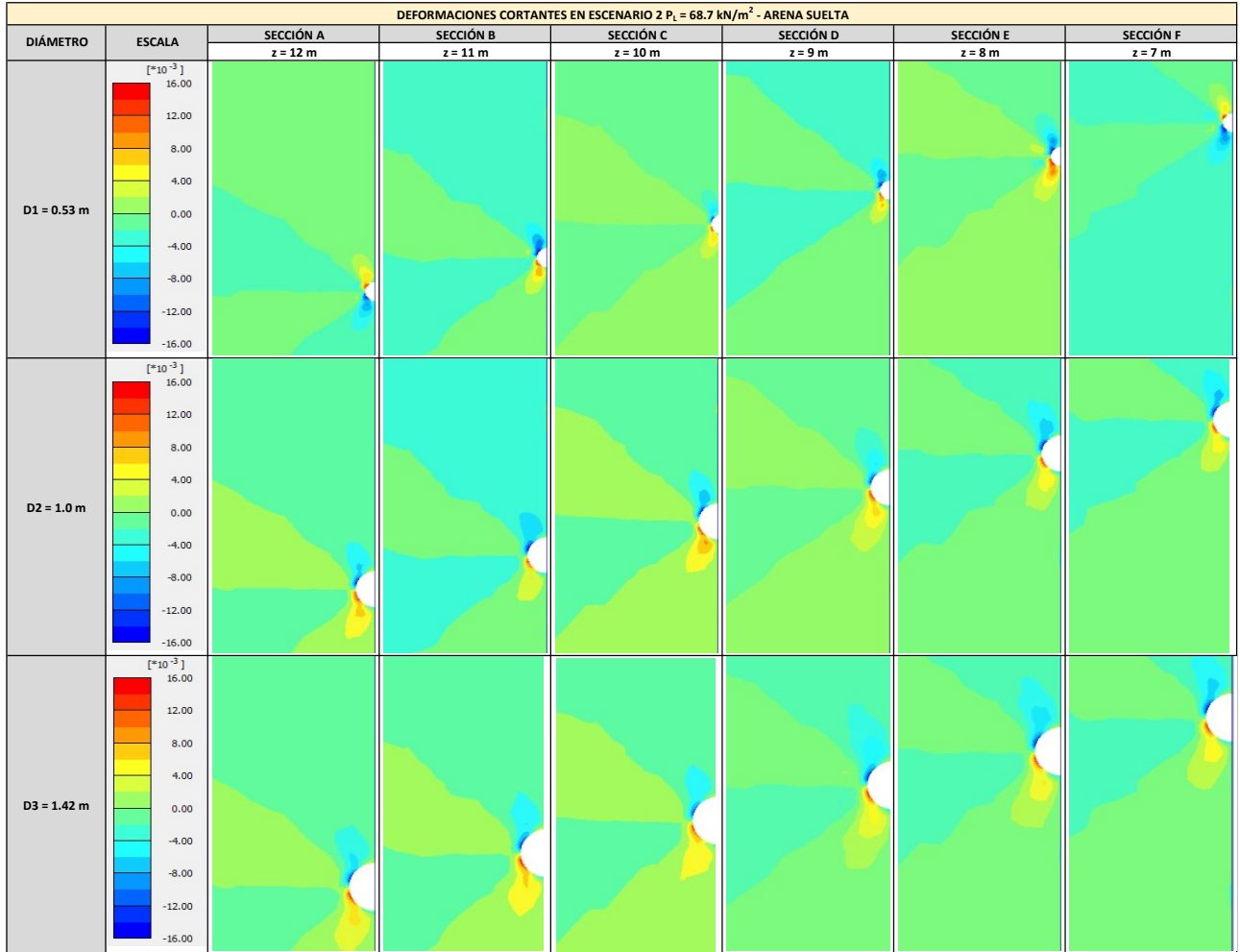
ANEXO 1.3

Secciones de análisis modelo 1.3- Escenario 1- Arena suelta





DEFORMACIONES CORTANTES EN ESCENARIO 2 $P_L = 68.7 \text{ kN/m}^2$ - ARENA SUELTA

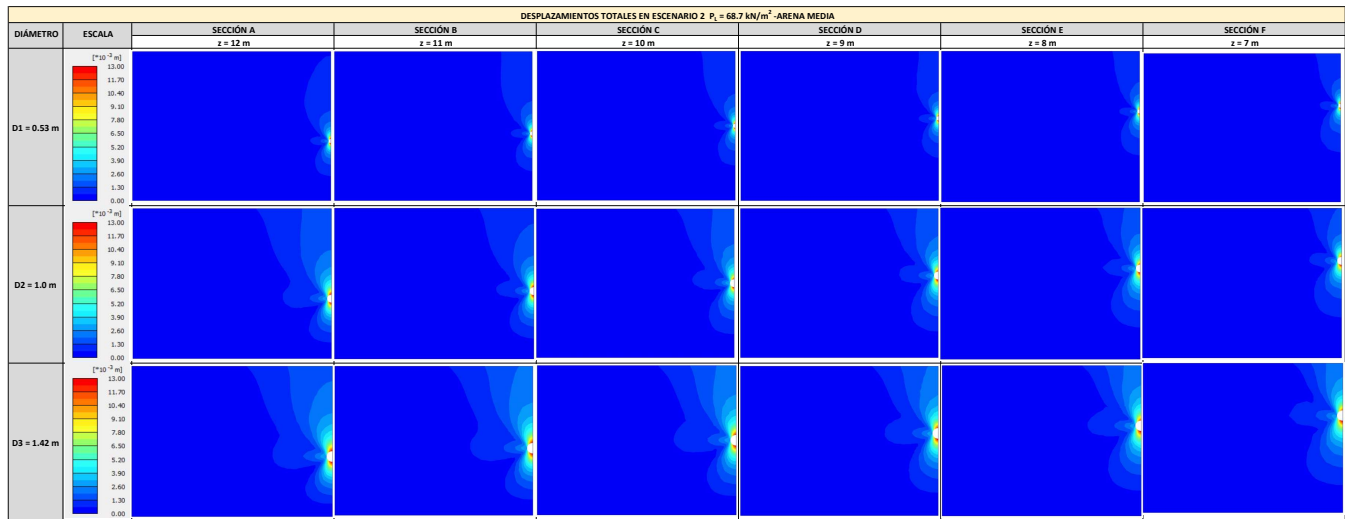


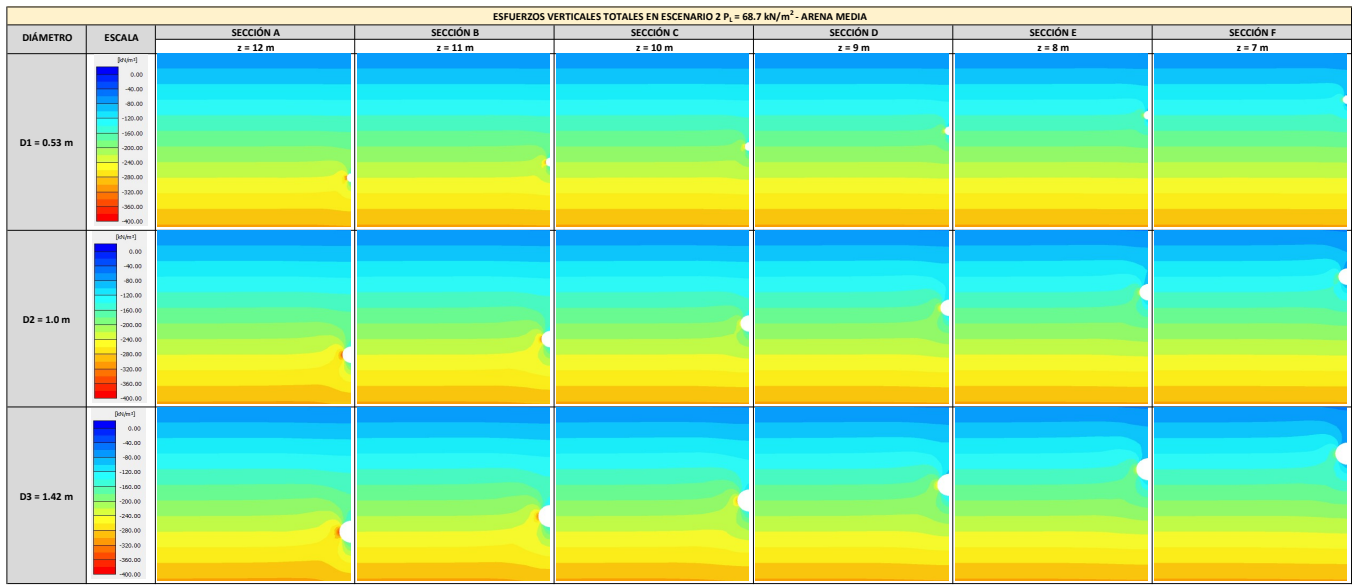
PLASTIC POINTS - ARENA SUELTA PL = 68.7 kN/m²

SECCIÓN	A	B	C	D	E	F
PROFUNDIDAD	12 m	11 m	10 m	9 m	8 m	7 m
DIÁMETRO D1 = 0.53 m						
DIÁMETRO D2 = 1.0 m						
DIÁMETRO D3 = 1.42 m						

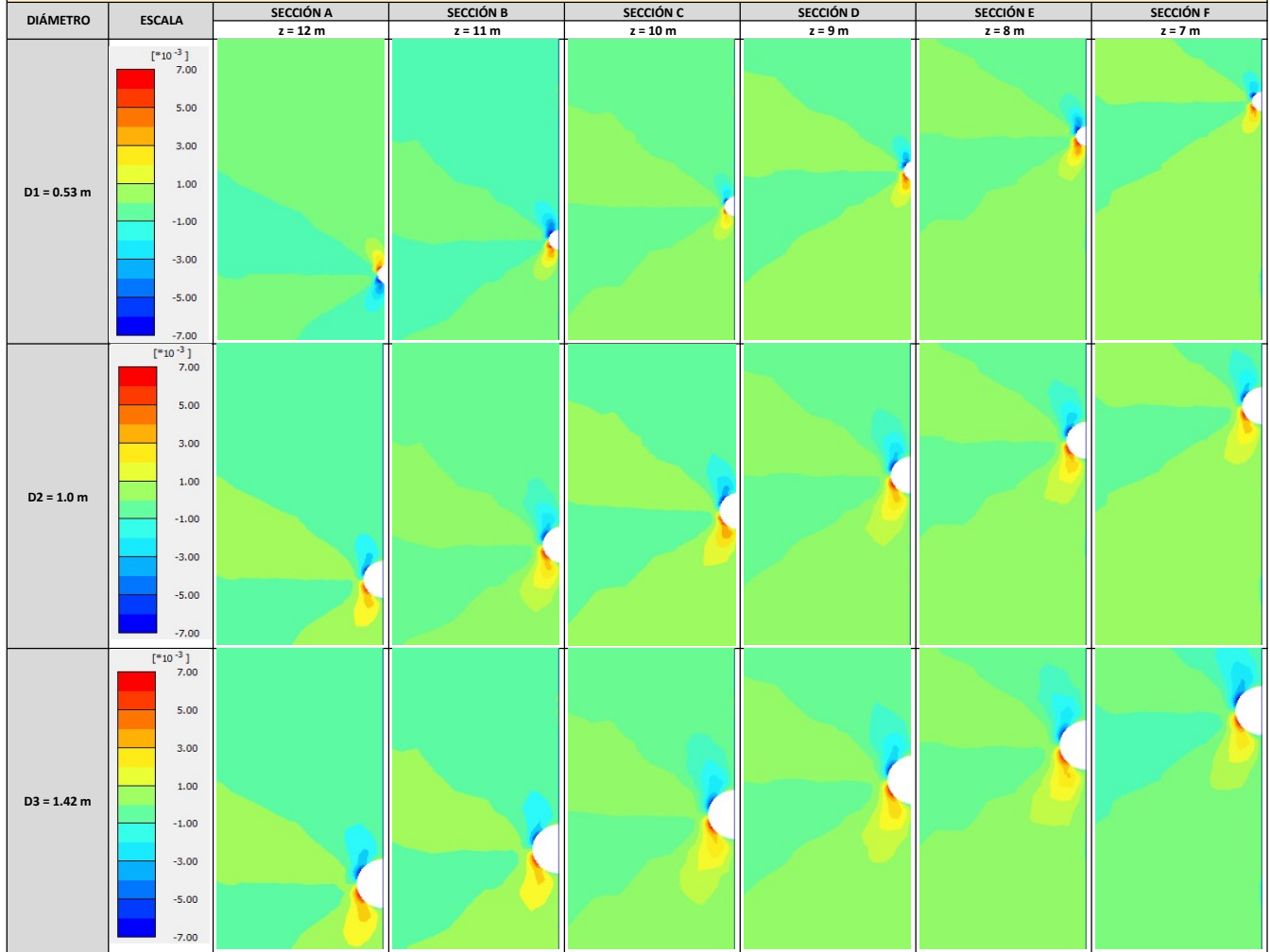
ANEXO 2.1

Secciones de análisis modelo 2.1- Escenario 2- Arena suelta





DEFORMACIONES CORTANTES EN ESCENARIO 2 $P_{1c} = 68.7 \text{ kN/m}^2$ - ARENA MEDIA

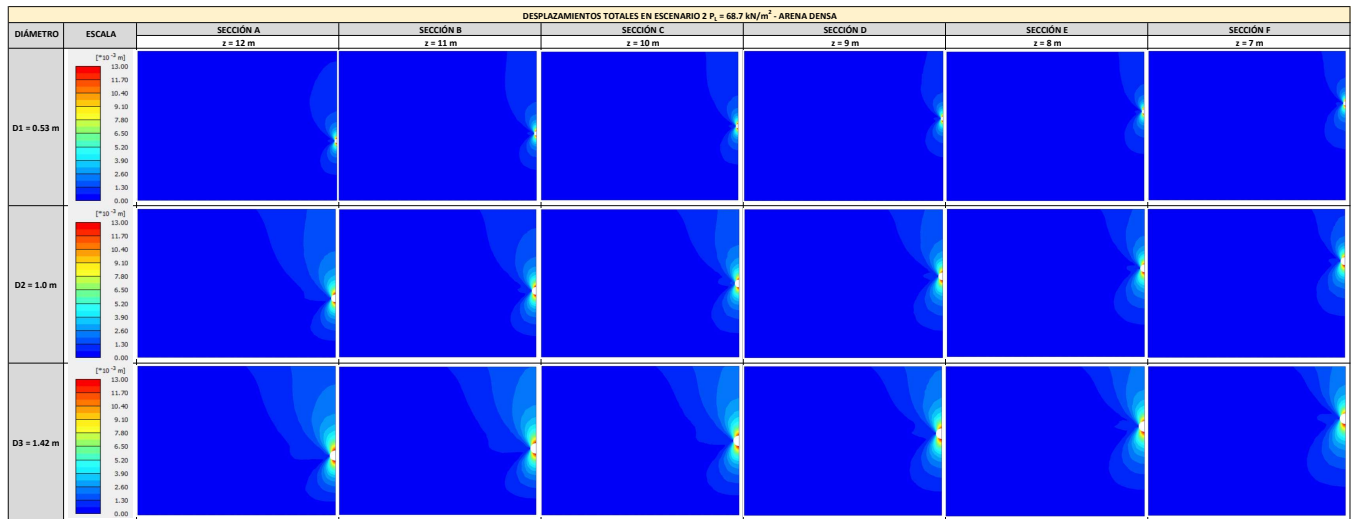


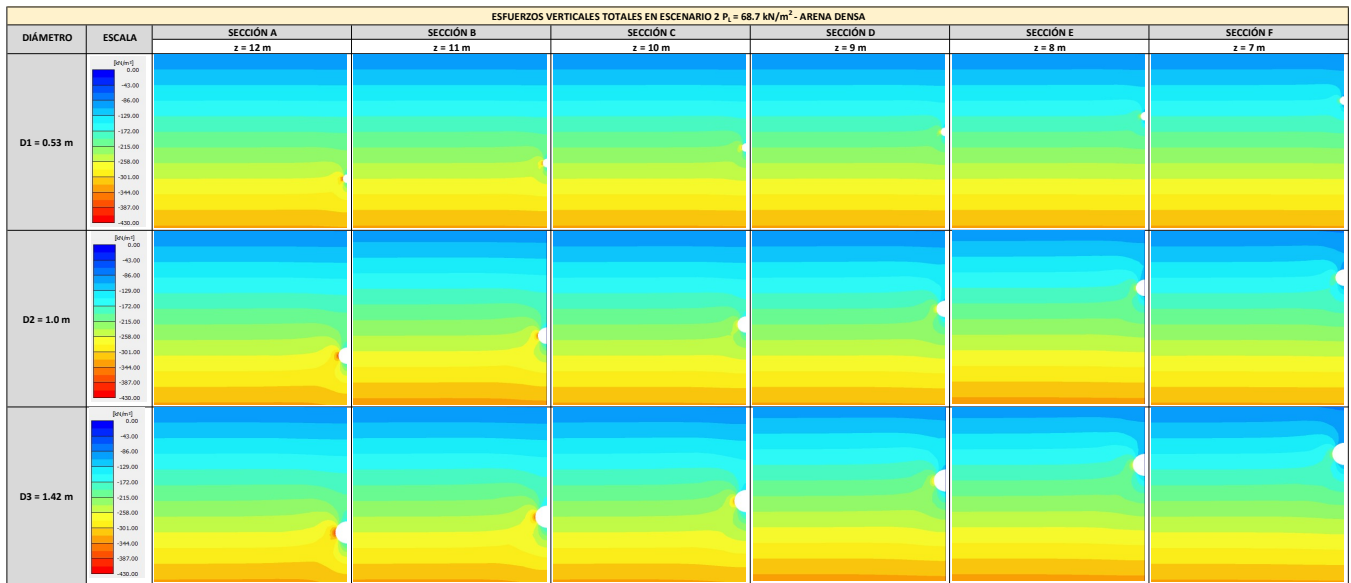
PLASTIC POINTS - ARENA MEDIA $P_t = 68.7 \text{ kN/m}^2$

SECCIÓN	A	B	C	D	E	F
PROFUNDIDAD	12 m	11 m	10 m	9 m	8 m	7 m
DIÁMETRO D1 = 0.53 m						
DIÁMETRO D2 = 1.0 m						
DIÁMETRO D3 = 1.42 m						

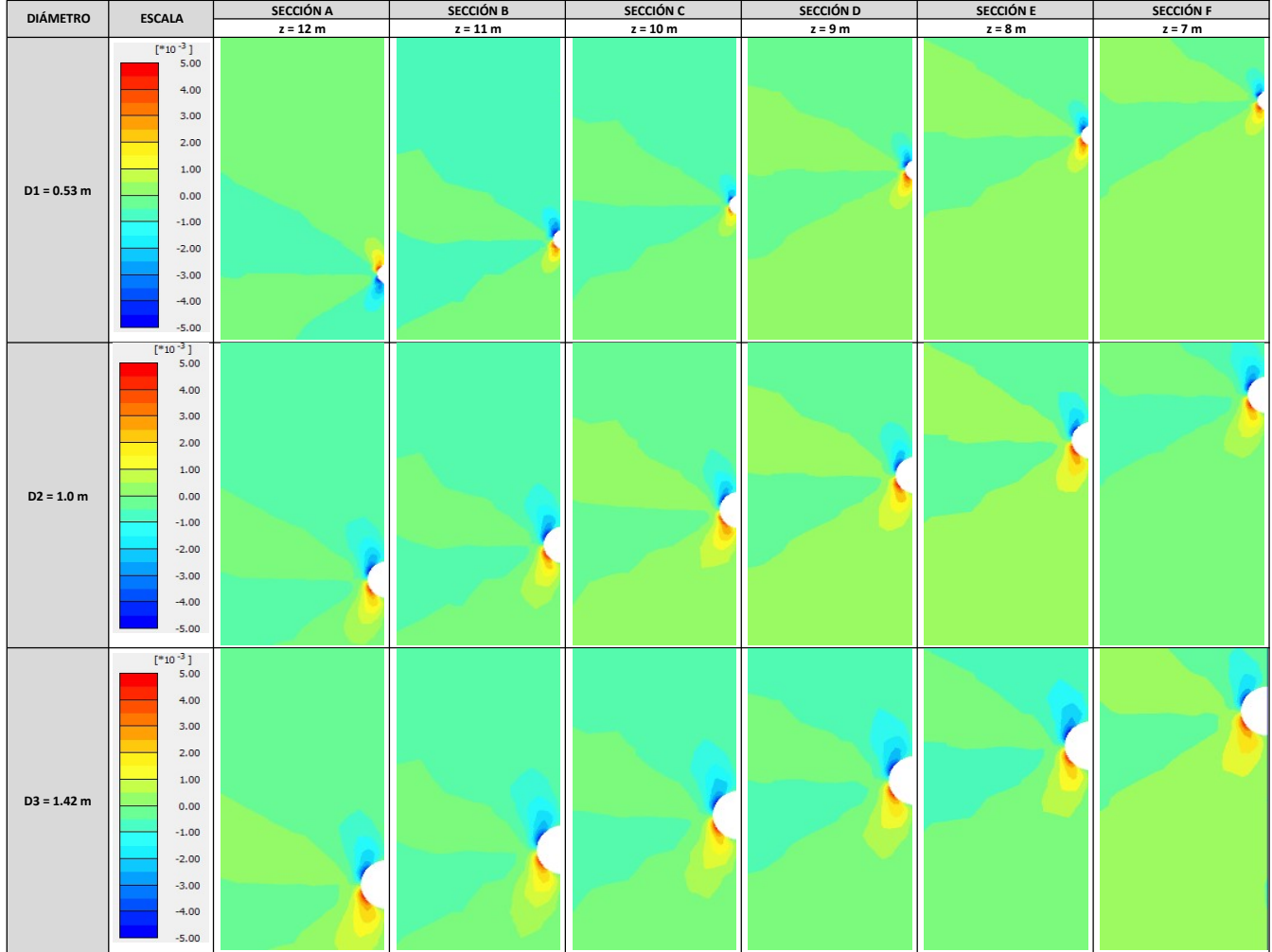
ANEXO 2.2

Secciones de análisis modelo 2.2- Escenario 2- Arena media





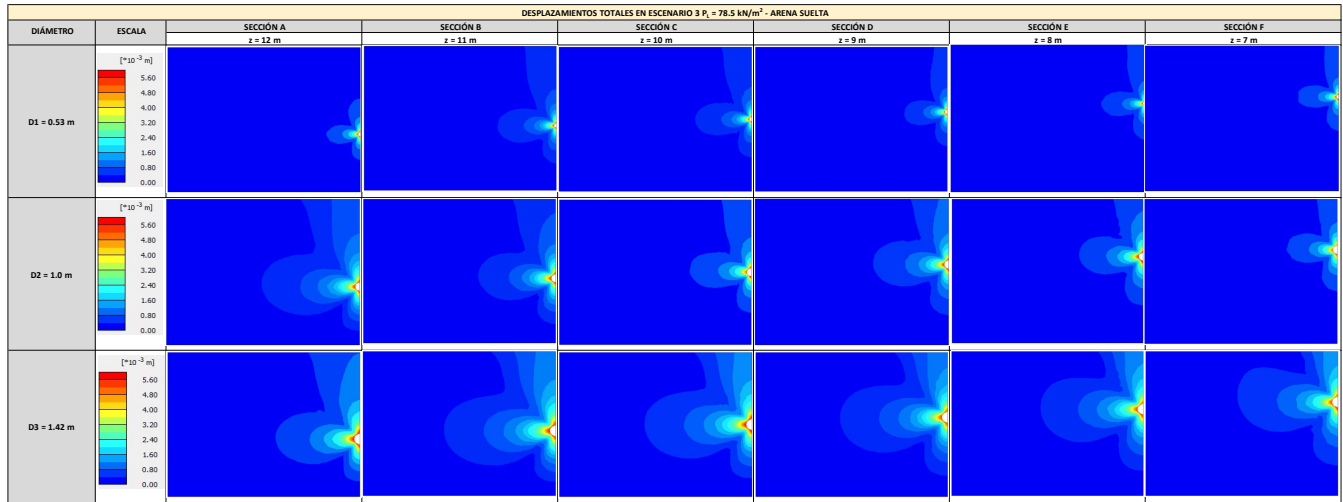
DEFORMACIONES CORTANTES EN ESCENARIO 2 $P_L = 68.7 \text{ kN/m}^2$ - ARENA DENSA

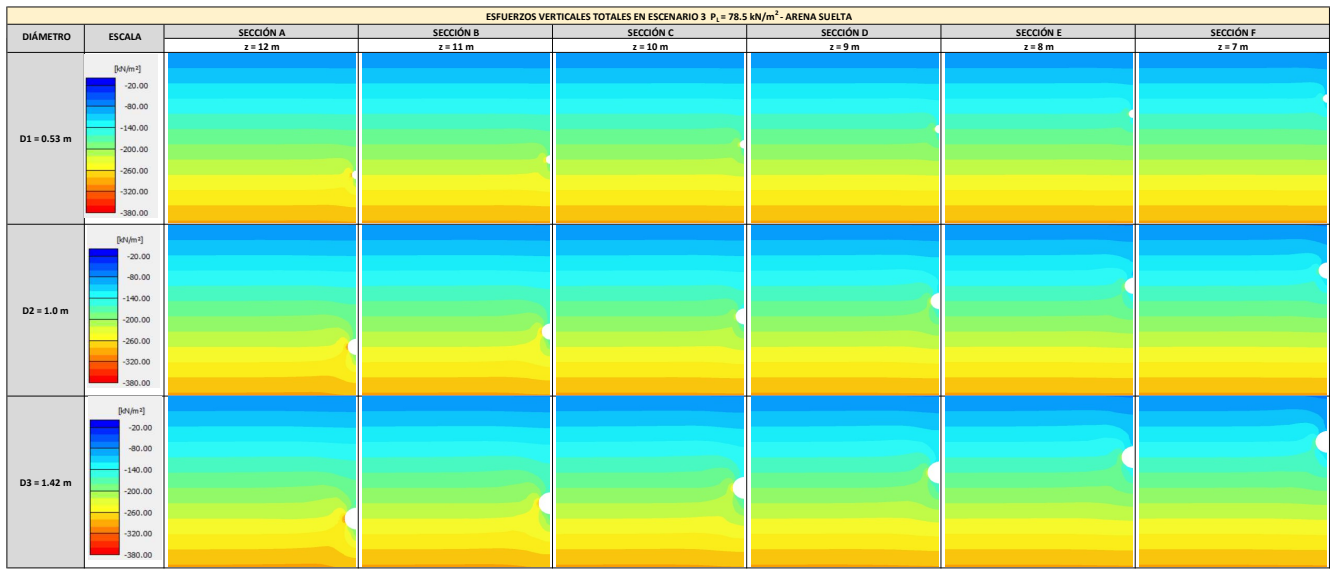


ANEXO 2.3

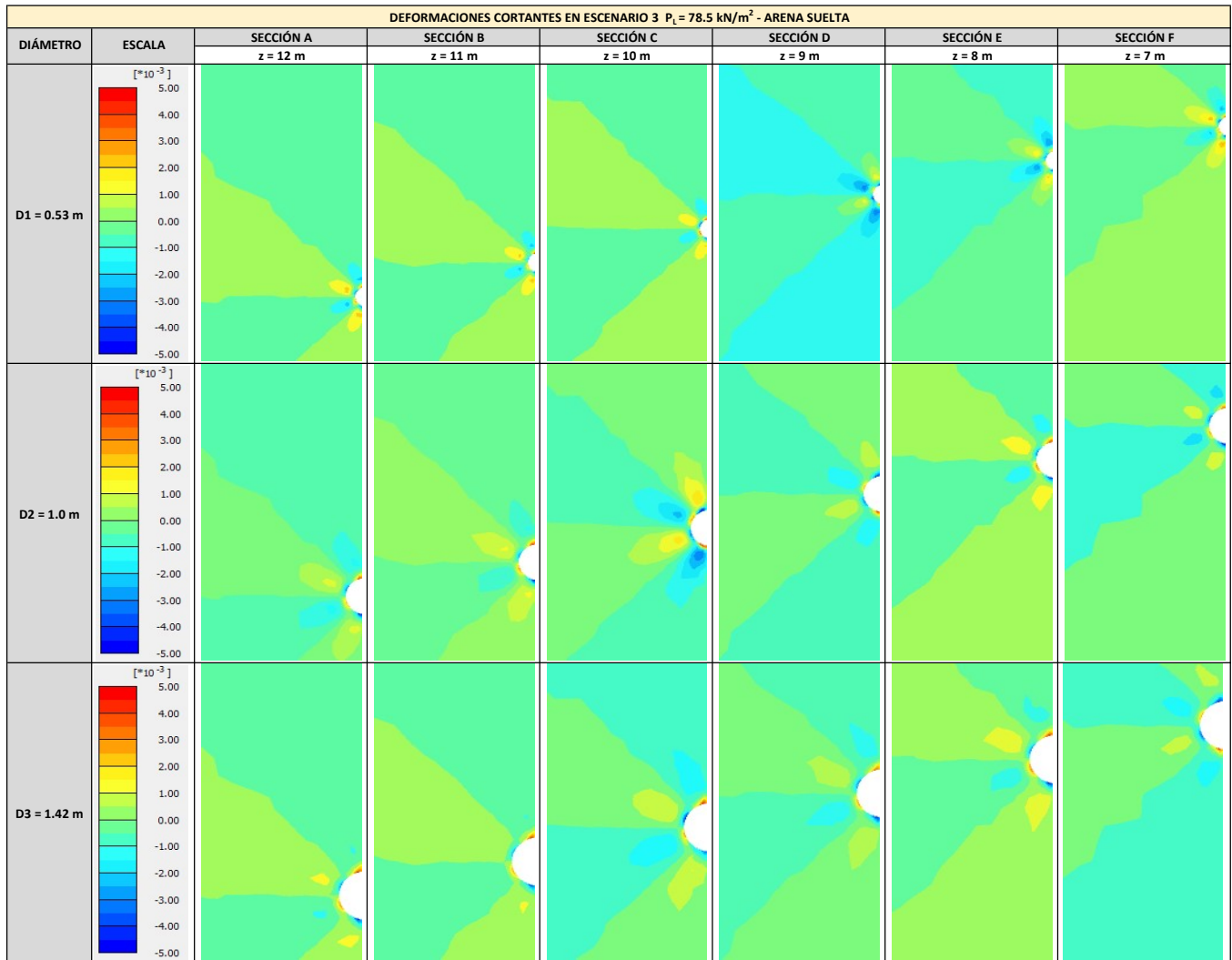
Secciones de análisis modelo 2.3- Escenario 2- Arena suelta

DESPLAZAMIENTOS TOTALES EN ESCENARIO 3 $P_1 = 78.5 \text{ kN/m}^2$ - ARENA SUELTA





DEFORMACIONES CORTANTES EN ESCENARIO 3 $P_t = 78.5 \text{ kN/m}^2$ - ARENA SUELTA

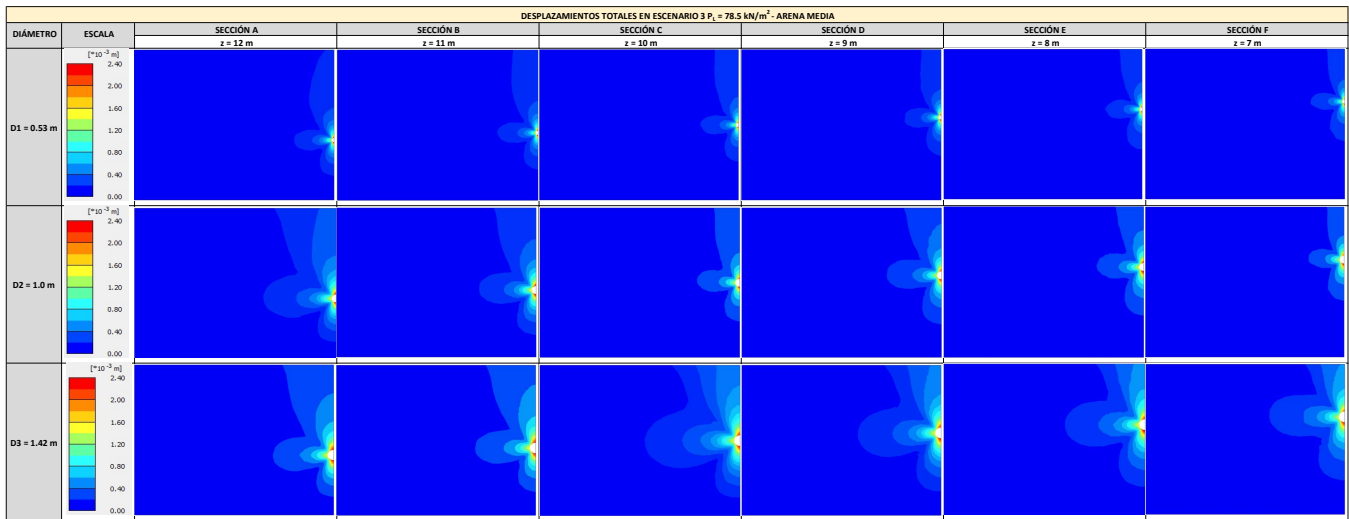


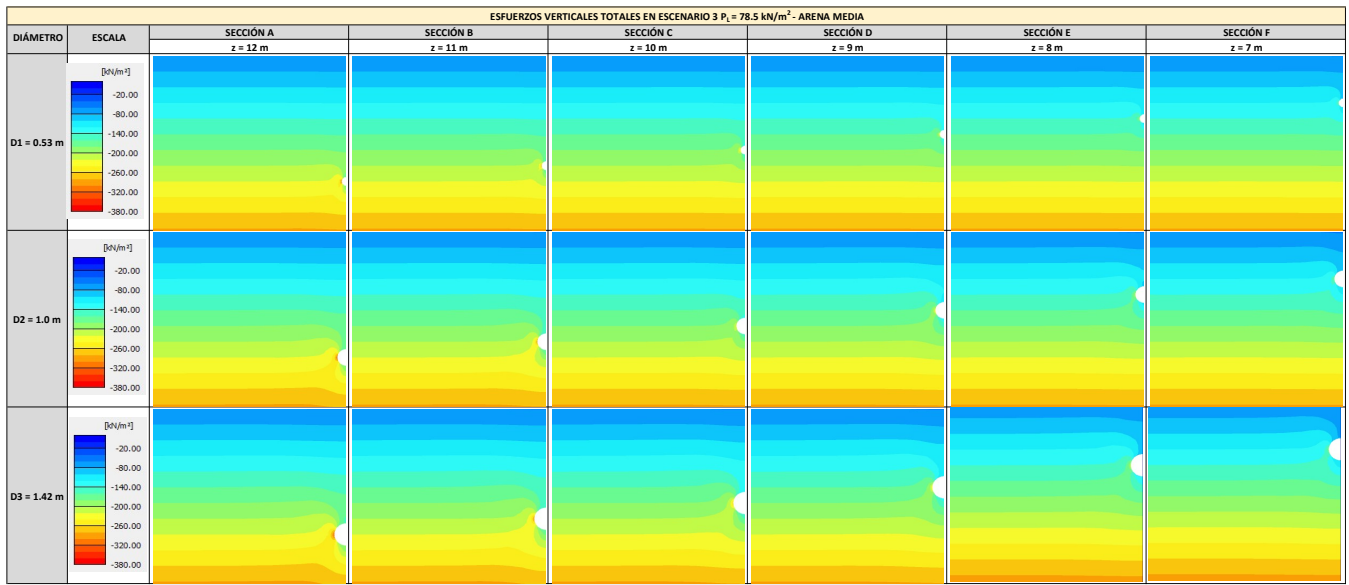
PLASTIC POINTS - ARENA SUELTA PL = 78.5 kN/m²

SECCIÓN	A	B	C	D	E	F
PROFUNDIDAD	12 m	11 m	10 m	9 m	8 m	7 m
DIÁMETRO D1 = 0.53 m						
DIÁMETRO D2 = 1.0 m						
DIÁMETRO D3 = 1.42 m						

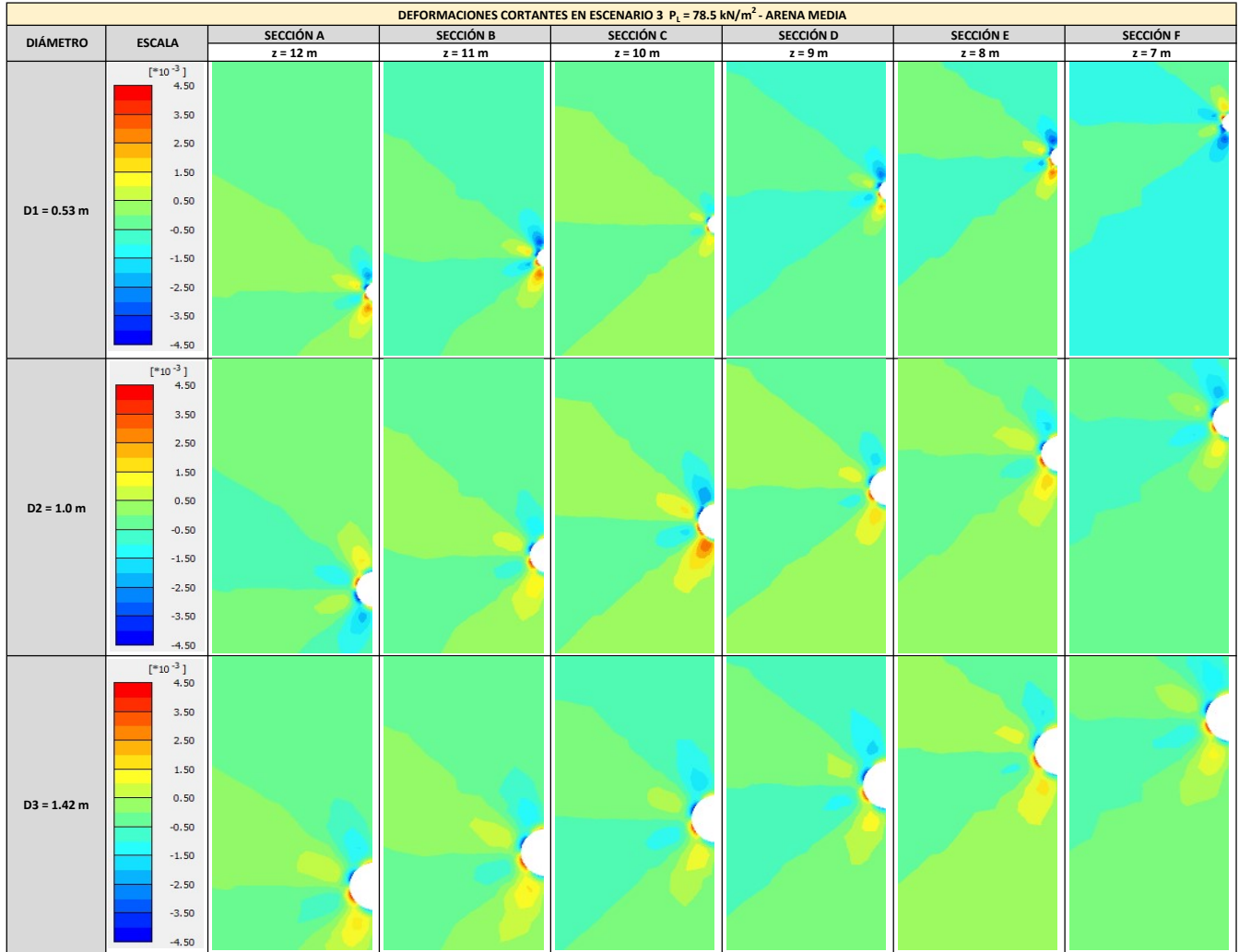
ANEXO 3.1

Secciones de análisis modelo 3.1- Escenario 3- Arena suelta





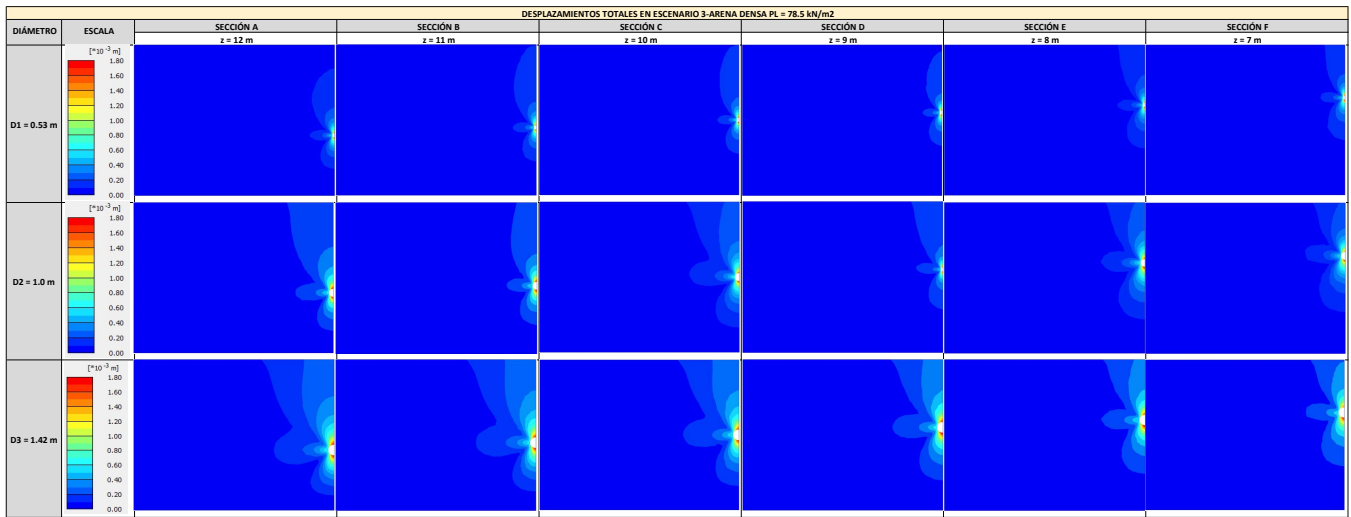
DEFORMACIONES CORTANTES EN ESCENARIO 3 $P_L = 78.5 \text{ kN/m}^2$ - ARENA MEDIA

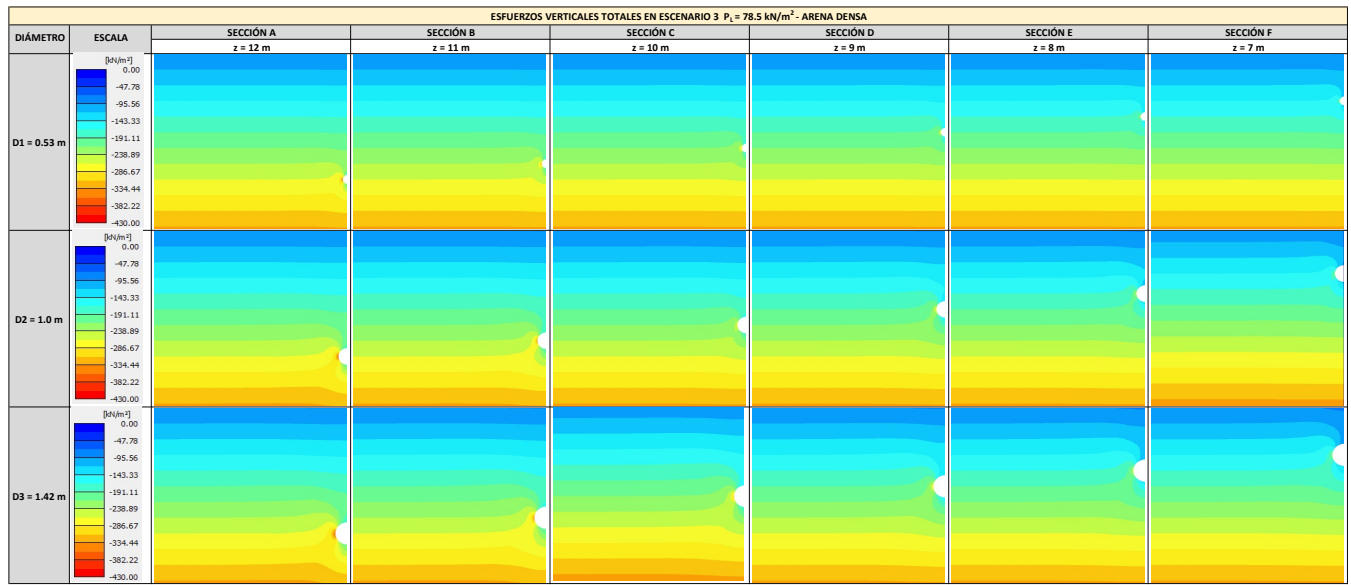


PLASTIC POINTS - ARENA MEDIA PL = 78.5 kN/m ²						
SECCIÓN	A	B	C	D	E	F
PROFUNDIDAD	12 m	11 m	10 m	9 m	8 m	7 m
DIÁMETRO D1 = 0.53 m						
DIÁMETRO D2 = 1.0 m						
DIÁMETRO D3 = 1.42 m						

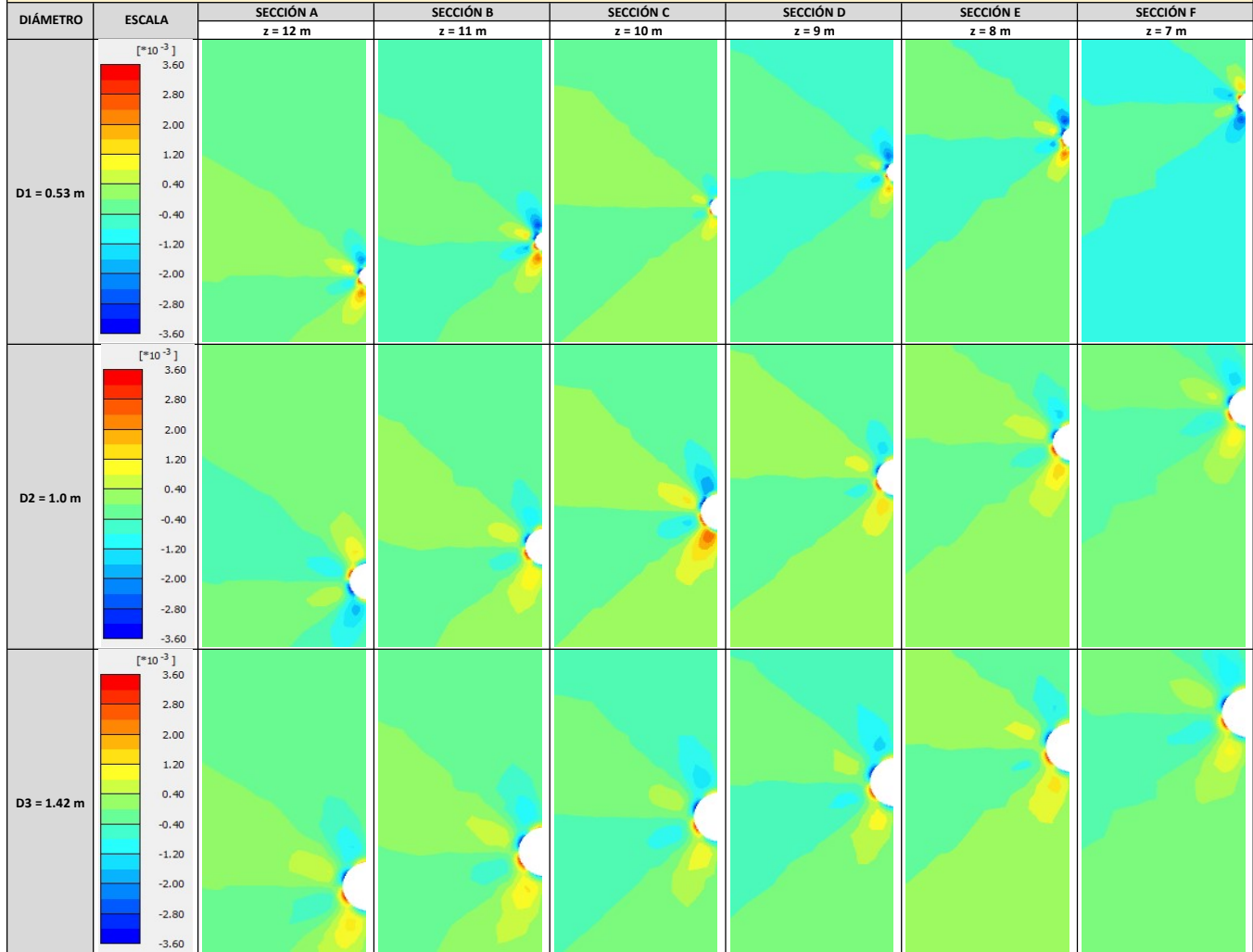
ANEXO 3.2

Secciones de análisis modelo 3.2- Escenario 3- Arena media



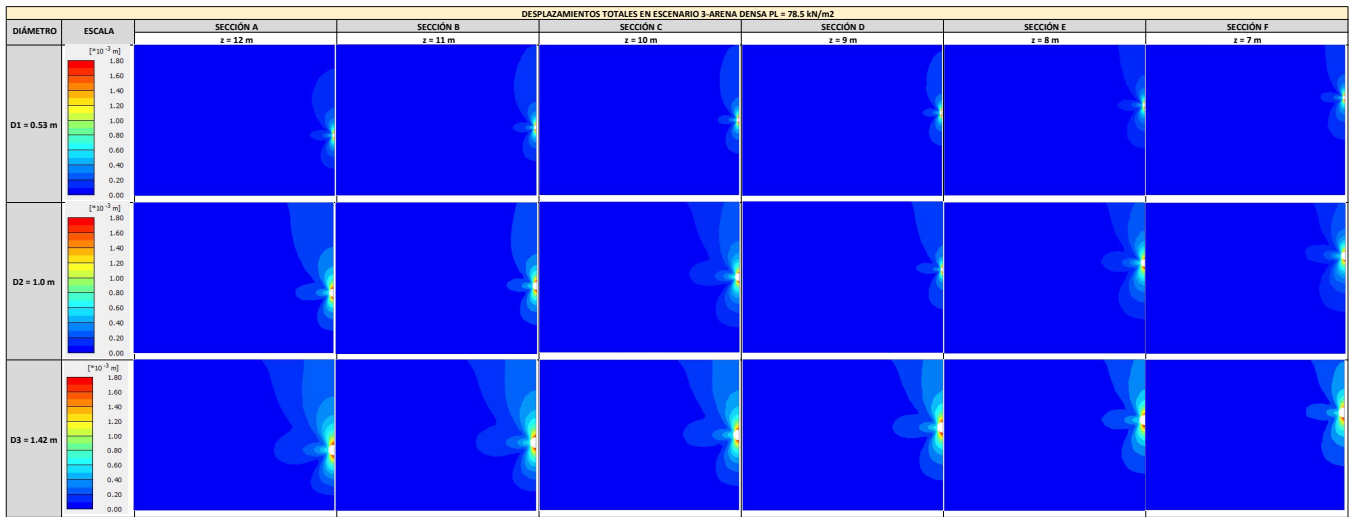


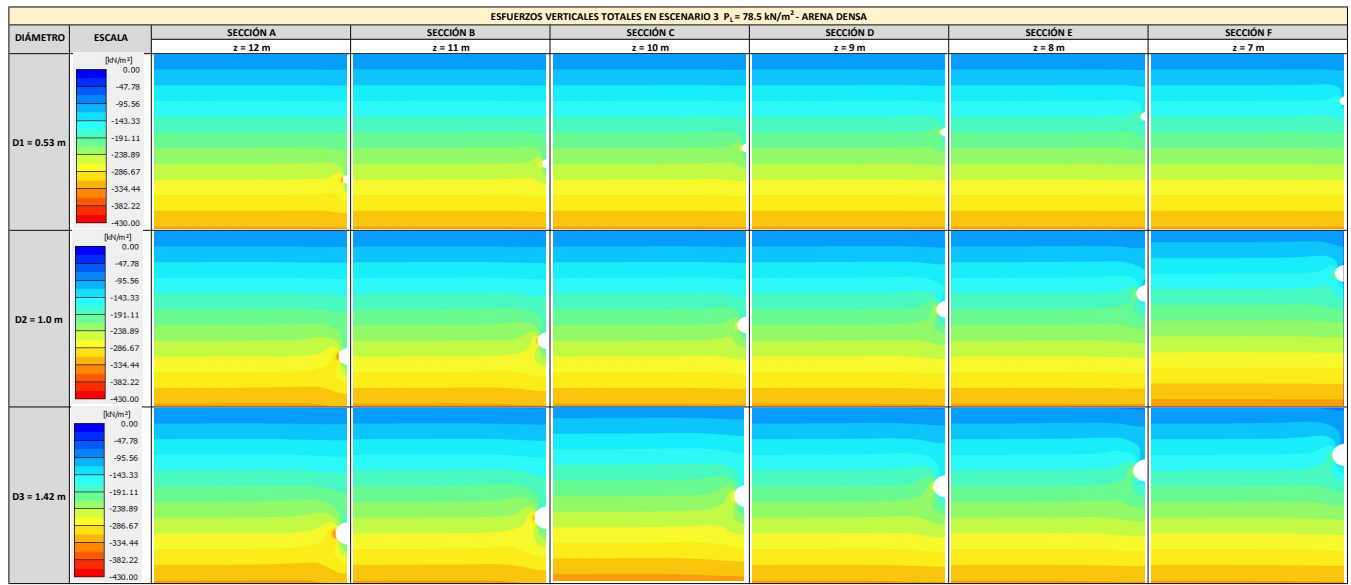
DEFORMACIONES CORTANTES EN ESCENARIO 3 $P_L = 78.5 \text{ kN/m}^2$ - ARENA DENSA



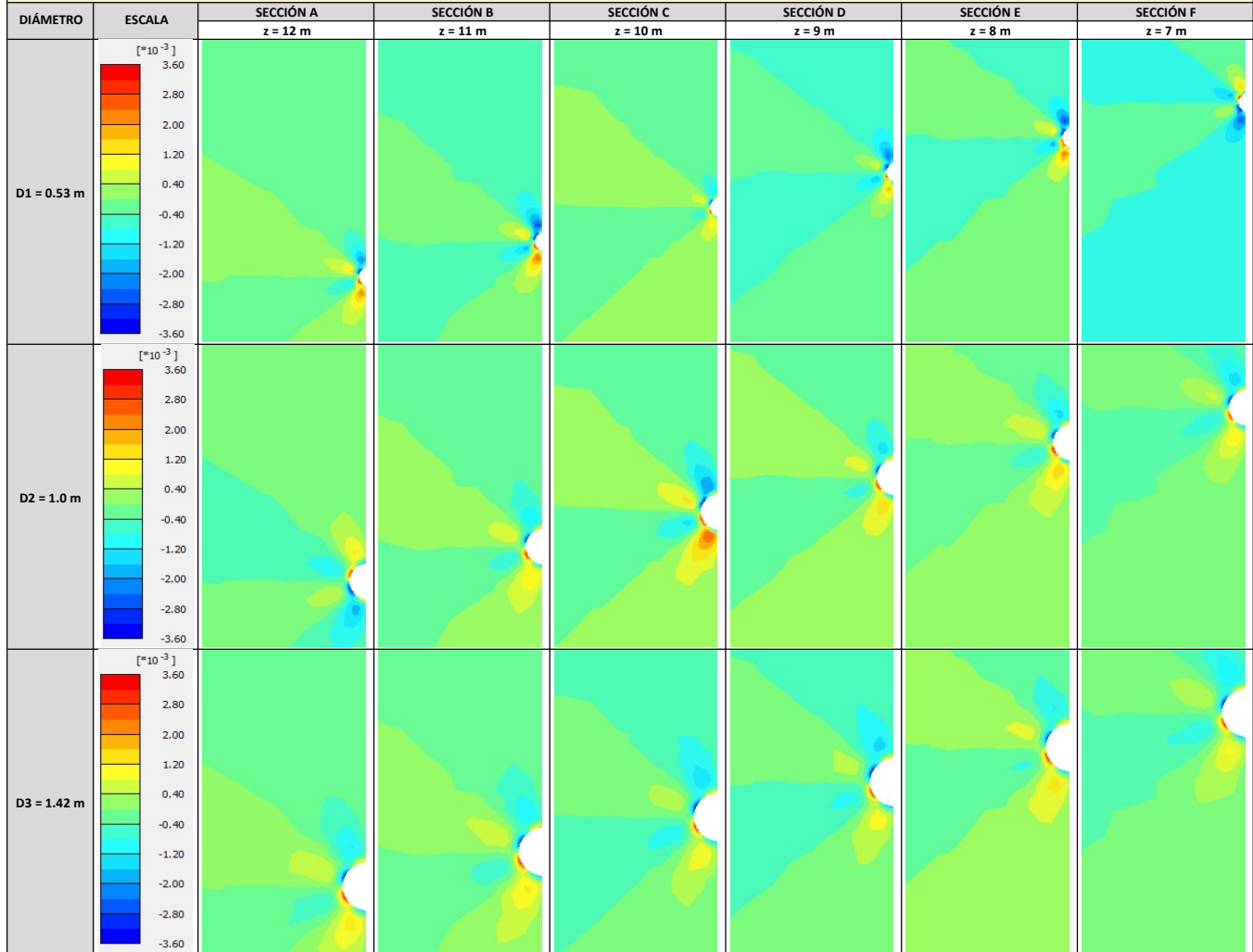
ANEXO 3.3

Secciones de análisis modelo 3.3- Escenario 3- Arena suelta





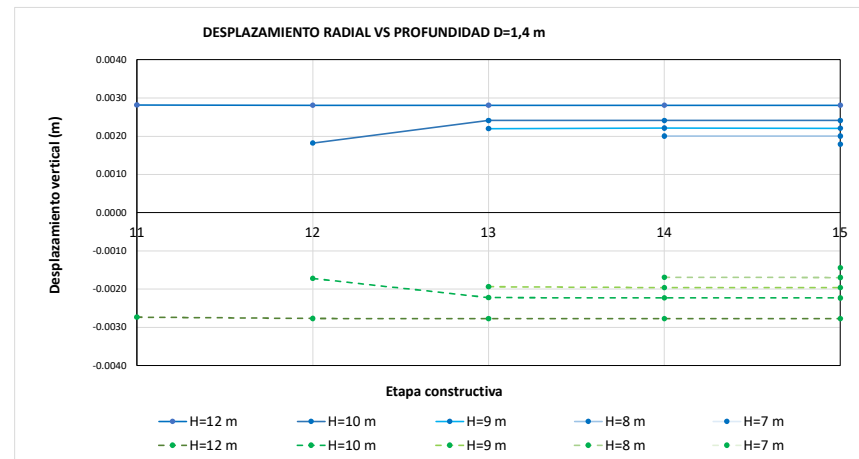
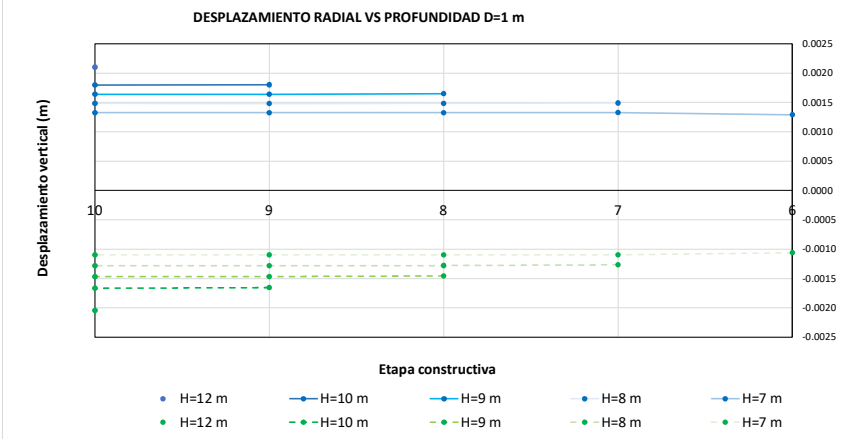
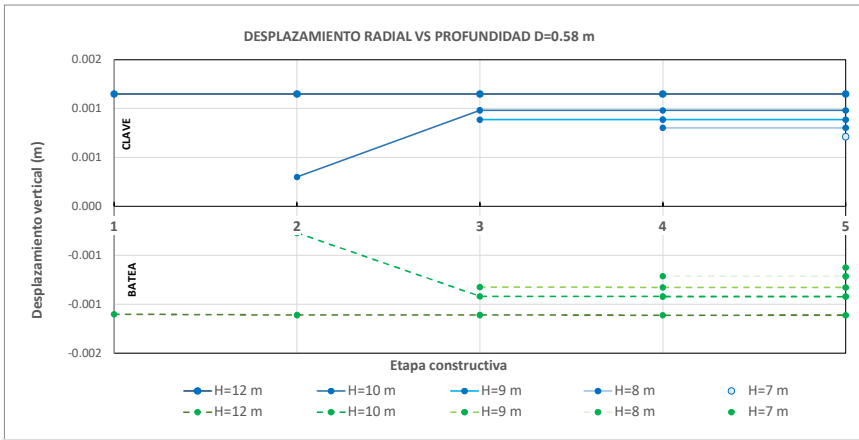
DEFORMACIONES CORTANTES EN ESCENARIO 3 $P_L = 78.5 \text{ kN/m}^2$ - ARENA DENSA



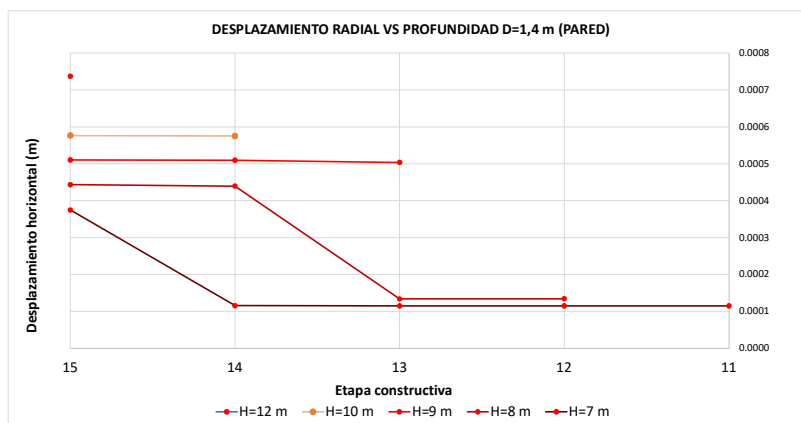
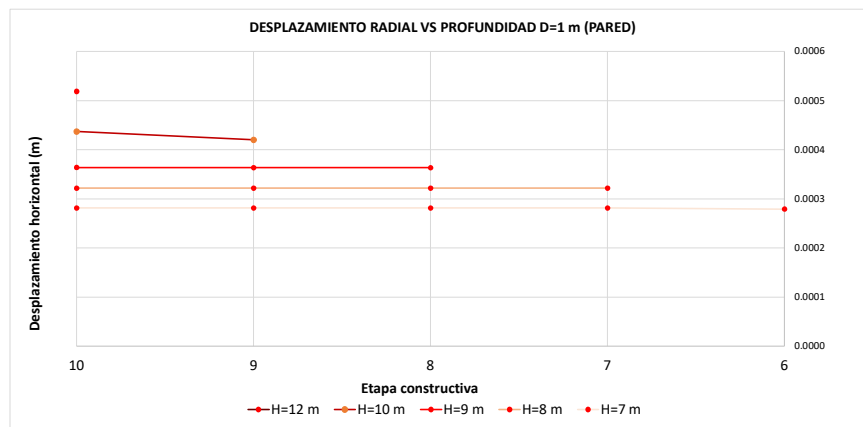
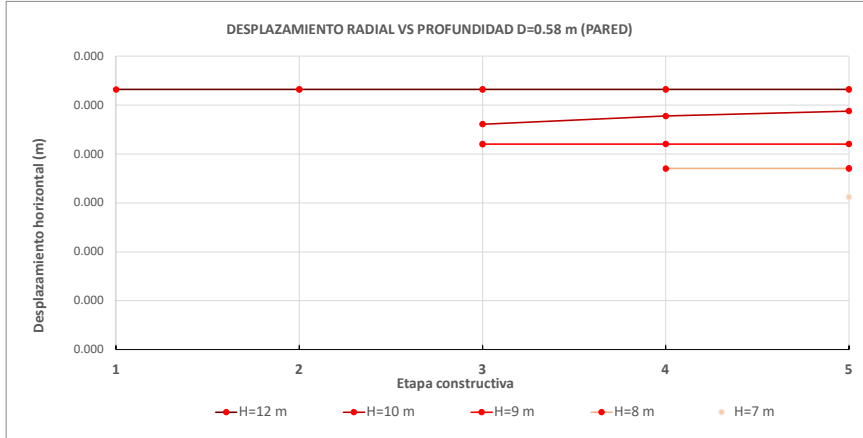
ANEXO 4.1

Resultados escenario E1 – Arena suelta

PROFUNDIDAD ETAPA	BATEA						R1						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0011	0.0011	0.0003	0.0000	0.0000	0.0000	-0.0011	-0.0010	-0.0003	0.0000	0.0000	0.0000	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000
3	0.0011	0.0011	0.0010	0.0009	0.0000	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	0.0000	0.0000	0.0003	0.0003	0.0002	0.0002	0.0000	0.0000
4	0.0011	0.0011	0.0010	0.0009	0.0008	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	0.0000	0.0003	0.0003	0.0002	0.0002	0.0002	0.0000
5	0.0011	0.0011	0.0010	0.0009	0.0008	0.0007	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	-0.0006	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
6	0.0011	0.0011	0.0010	0.0009	0.0008	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	0.0000	0.0003	0.0003	0.0002	0.0002	0.0002	0.0000
7	0.0011	0.0011	0.0010	0.0009	0.0000	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	0.0000	0.0000	0.0003	0.0003	0.0002	0.0002	0.0000	0.0000
8	0.0011	0.0011	0.0013	0.0000	0.0000	0.0000	-0.0011	-0.0010	-0.0012	0.0000	0.0000	0.0000	0.0003	0.0003	0.0001	0.0000	0.0000	0.0000
9	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0011	0.0011	0.0013	0.0009	0.0008	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0011	-0.0010	-0.0012	-0.0008	-0.0007	-0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

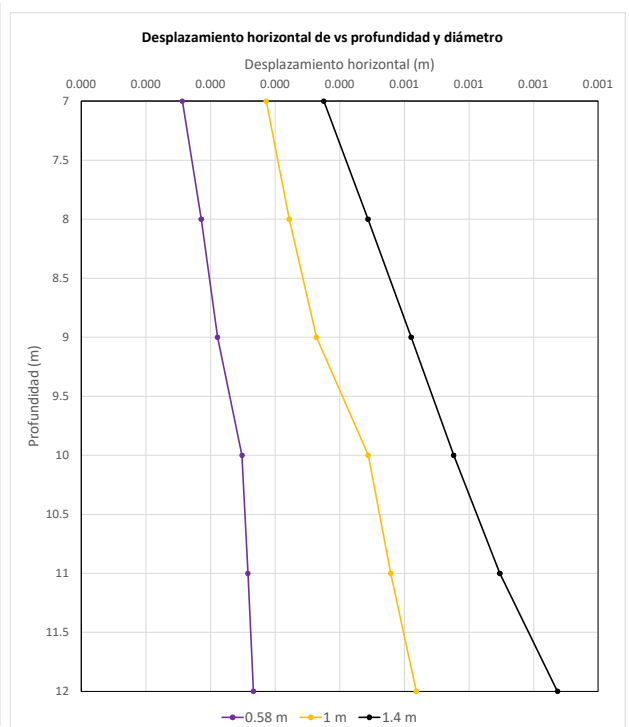
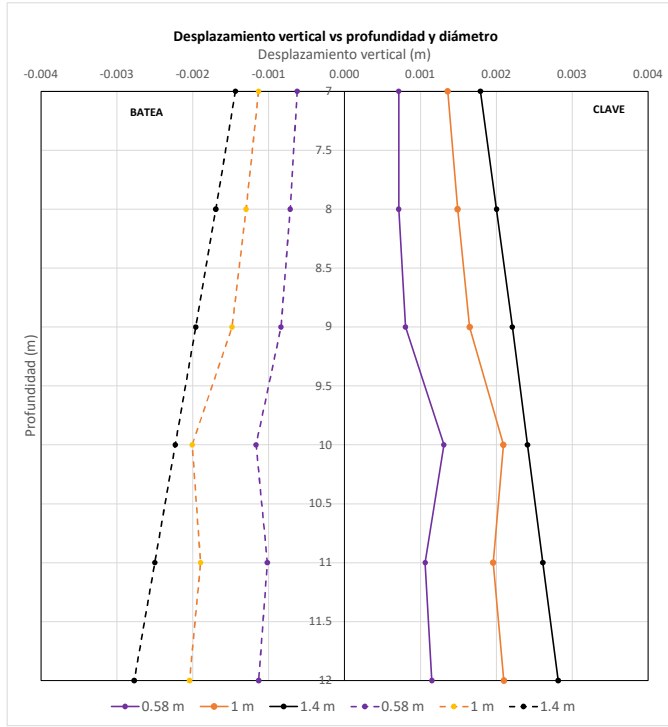


BATEA												R2					PARED				
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF				
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m				
0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0007	0.0007	0.0002	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0002	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0007	0.0007	0.0006	0.0006	0.0000	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0007	0.0007	0.0006	0.0006	0.0005	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0007	0.0007	0.0006	0.0006	0.0005	0.0005	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	-0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0007	0.0007	0.0006	0.0006	0.0015	0.0013	-0.0007	-0.0006	-0.0006	-0.0005	-0.0013	-0.0011	0.0001	0.0000	0.0000	0.0000	0.0003	0.0003				
0.0007	0.0007	0.0012	0.0016	0.0015	0.0013	-0.0007	-0.0006	-0.0009	-0.0015	-0.0013	-0.0011	0.0001	0.0000	0.0001	0.0004	0.0003	0.0003				
0.0007	0.0020	0.0018	0.0016	0.0015	0.0013	-0.0007	-0.0018	-0.0017	-0.0015	-0.0013	-0.0011	0.0001	0.0005	0.0004	0.0004	0.0003	0.0003				
0.0021	0.0019	0.0018	0.0016	0.0015	0.0013	-0.0020	-0.0019	-0.0017	-0.0015	-0.0013	-0.0011	0.0005	0.0005	0.0004	0.0004	0.0003	0.0003				
0.0000	0.0019	0.0018	0.0016	0.0015	0.0013	0.0000	-0.0019	-0.0017	-0.0015	-0.0013	-0.0011	0.0000	0.0005	0.0004	0.0004	0.0003	0.0003				
0.0000	0.0000	0.0021	0.0016	0.0015	0.0013	0.0000	0.0000	-0.0020	-0.0015	-0.0013	-0.0011	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003				
0.0000	0.0000	0.0000	0.0000	0.0015	0.0013	0.0000	0.0000	0.0000	0.0000	-0.0013	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003				
0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003				
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0021	0.0020	0.0021	0.0016	0.0015	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0004	0.0004	0.0003	0.0003				
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0020	-0.0019	-0.0020	-0.0015	-0.0013	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				



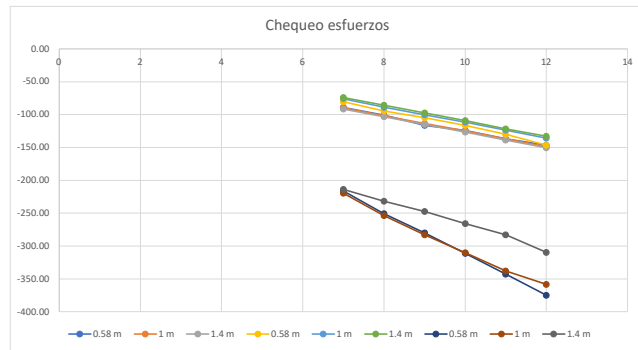
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0006	0.0005	0.0002	0.0000	0.0000	0.0000	-0.0005	-0.0005	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0006	0.0005	0.0005	0.0004	0.0004	0.0000	-0.0005	-0.0005	-0.0004	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0006	0.0005	0.0005	0.0004	0.0004	0.0000	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0006	0.0005	0.0005	0.0004	0.0004	0.0004	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0006	0.0005	0.0005	0.0004	0.0004	0.0011	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
0.0006	0.0005	0.0005	0.0004	0.0012	0.0011	-0.0005	-0.0005	-0.0005	-0.0004	-0.0010	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
0.0006	0.0005	0.0009	0.0014	0.0012	0.0011	-0.0005	-0.0005	-0.0009	-0.0012	-0.0011	-0.0009	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
0.0005	0.0016	0.0015	0.0014	0.0012	0.0011	-0.0006	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	0.0000	0.0002	0.0002	0.0001	0.0001	0.0001
0.0017	0.0016	0.0015	0.0014	0.0012	0.0011	-0.0017	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001
0.0028	0.0016	0.0015	0.0014	0.0012	0.0011	-0.0027	-0.0016	-0.0014	-0.0012	-0.0011	-0.0009	0.0007	0.0002	0.0002	0.0001	0.0001	0.0001
0.0028	0.0026	0.0018	0.0013	0.0012	0.0011	-0.0028	-0.0025	-0.0017	-0.0012	-0.0011	-0.0009	0.0007	0.0006	0.0002	0.0001	0.0001	0.0001
0.0028	0.0026	0.0024	0.0022	0.0022	0.0011	-0.0028	-0.0025	-0.0022	-0.0019	-0.0011	-0.0009	0.0007	0.0006	0.0006	0.0005	0.0001	0.0001
0.0028	0.0026	0.0024	0.0022	0.0020	0.0011	-0.0028	-0.0025	-0.0022	-0.0020	-0.0017	-0.0009	0.0007	0.0006	0.0006	0.0005	0.0004	0.0001
0.0028	0.0026	0.0024	0.0022	0.0020	0.0018	-0.0028	-0.0025	-0.0022	-0.0020	-0.0017	-0.0014	0.0007	0.0006	0.0006	0.0005	0.0004	0.0004
0.0028	0.0026	0.0024	0.0022	0.0020	0.0018	-0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0006	0.0005	0.0004	0.0004
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0028	-0.0025	-0.0022	-0.0020	-0.0017	-0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0007	0.0014	0.0018	-0.0006	-0.0011	-0.0014	0.0002	0.0003	0.0004
UE	8	0.0007	0.0015	0.0020	-0.0007	-0.0013	-0.0017	0.0002	0.0003	0.0004
UD	9	0.0008	0.0016	0.0022	-0.0008	-0.0015	-0.0020	0.0002	0.0004	0.0005
UC	10	0.0013	0.0021	0.0024	-0.0012	-0.0020	-0.0022	0.0002	0.0004	0.0006
UB	11	0.0011	0.0020	0.0026	-0.0010	-0.0019	-0.0025	0.0003	0.0005	0.0006
UA	12	0.0011	0.0021	0.0028	-0.0011	-0.0020	-0.0028	0.0003	0.0005	0.0007



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
		H=12 m	H=11 m	H=9 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=9 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=9 m	H=9 m	H=8 m	H=7 m												
12	1	-146.4328	-226.29	-206.08	-186.4741	-165.8989	-146.0951	-146.433	-214.02	-193.748	-173.742	-153.308	-133.868	-375.104	-220.364	-200.531	-180.027	-160.412	-140.599												
11	2	-146.4407	-137.0831	-211.8548	-186.4893	-165.8995	-146.0947	-146.441	-129.995	-200.739	-173.758	-153.309	-133.868	-375.331	-342.824	-231.475	-180.043	-160.413	-140.598												
10	2	-146.4407	-137.0831	-211.8548	-186.4893	-165.8995	-146.0947	-146.441	-129.995	-200.739	-173.758	-153.309	-133.868	-375.331	-342.824	-231.475	-180.043	-160.413	-140.598												
9	3	-146.4413	-137.0821	-123.9354	-116.4946	-165.9448	-146.0942	-146.441	-129.995	-116.347	-104.512	-153.36	-133.867	-375.372	-342.865	-311.24	-279.874	-160.461	-140.598												
8	4	-146.4414	-137.0822	-123.9351	-116.5151	-100.5352	-146.5355	-146.441	-129.995	-116.346	-104.524	-94.1487	-134.34	-375.391	-342.866	-311.738	-280.191	-250.921	-141.011												
7	5	-146.4413	-137.0821	-123.9349	-116.5154	-100.5126	-88.90506	-146.441	-129.995	-116.345	-104.525	-94.1289	-80.1493	-375.401	-342.866	-311.643	-280.192	-250.985	-216.128												
6																															
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15																															
		-146.4	-137.1	-123.9	-116.5	-100.5	-88.9	-146.4	-130.0	-116.3	-104.5	-94.1	-80.1	-375.1	-342.8	-311.2	-279.9	-250.9	-216.1												

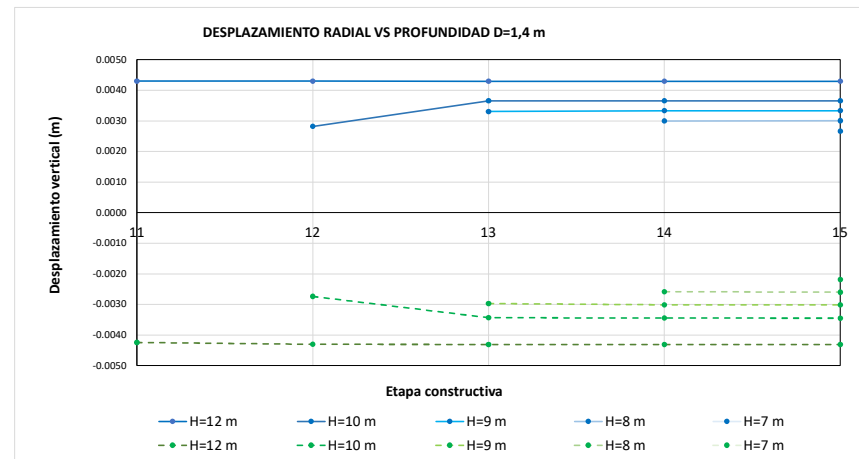
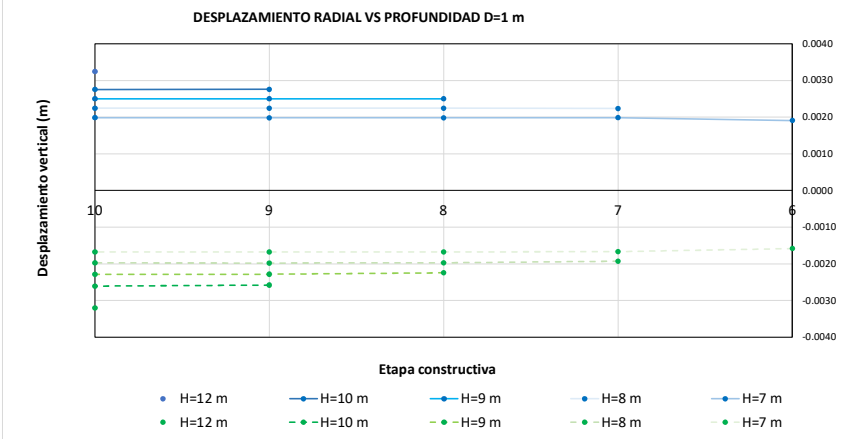
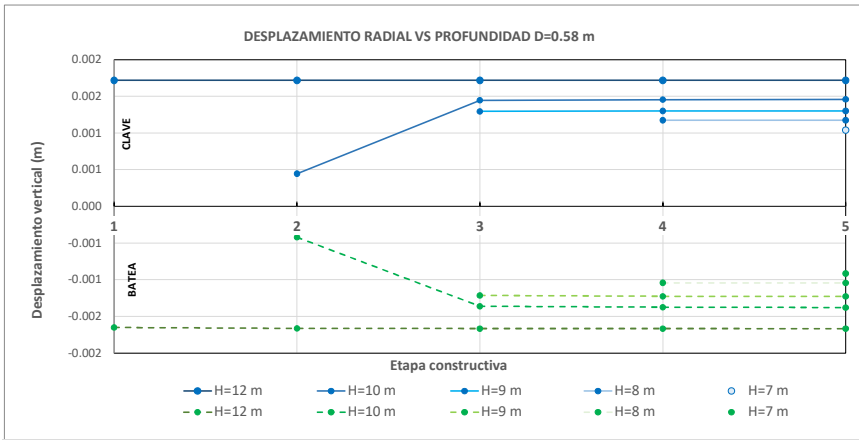
		12						11						10						9						8						7					
		R2																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m																		
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15																																					
		-205.835	-190.09	-172.468	-157.372	-141.054	-89.4499	-187.137	-170.854	-153.646	-138.119	-122.241	-75.6703	-268.164	-246.914	-220.162	-199.433	-178.37	-219.445																		
		-205.834	-190.091	-172.471	-157.539	-101.519	-89.4915	-187.136	-170.854	-153.647	-138.286	-88.7707	-75.6783	-268.164	-246.914	-220.168	-199.78	-253.979	-221.83																		
		-205.839	-190.116	-136.837	-113.557	-101.517	-89.4919	-187.139	-170.879	-135.66	-100.333	-88.7709	-75.6791	-268.172	-246.962	-277.628	-283.099	-254.343	-221.816																		
		-205.942	-136.637	-124.673	-113.558	-101.517	-89.4919	-187.236	-123.864	-111.449	-100.334	-88.7712	-75.679	-268.375	-338.201	-310.014	-281.82	-254.364	-221.814																		
		-205.942	-136.637	-124.673	-113.558	-101.517	-89.4919	-187.236	-123.864	-111.449	-100.334	-88.7712	-75.679	-268.375	-338.201	-308.158	-281.82	-254.364	-221.814																		
		-148.917	-136.65	-124.673	-113.558	-101.517	-89.4918	-135.816	-123.873	-111.45	-100.334	-88.7711	-75.6789	-358.708	-333.061	-308.158	-281.462	-254.364	-221.812																		
		-148.9	-136.6	-124.7	-113.6	-101.5	-89.4	-135.8	-123.9	-111.4	-100.3	-88.8	-75.7	-358.7	-338.2	-310.0	-283.1	-254.0	-219.4																		



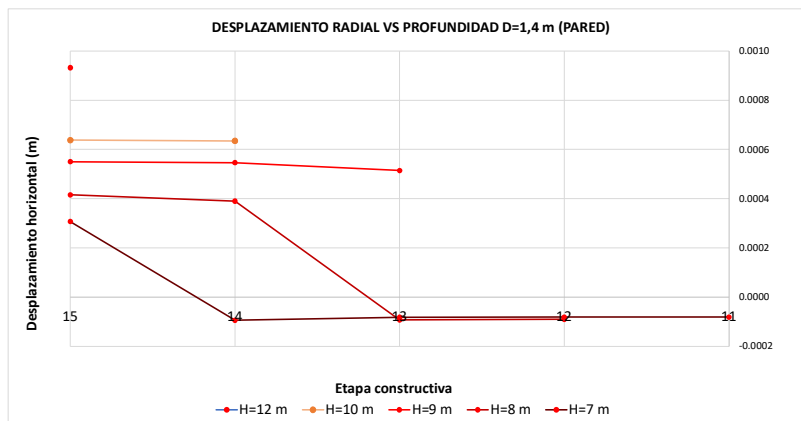
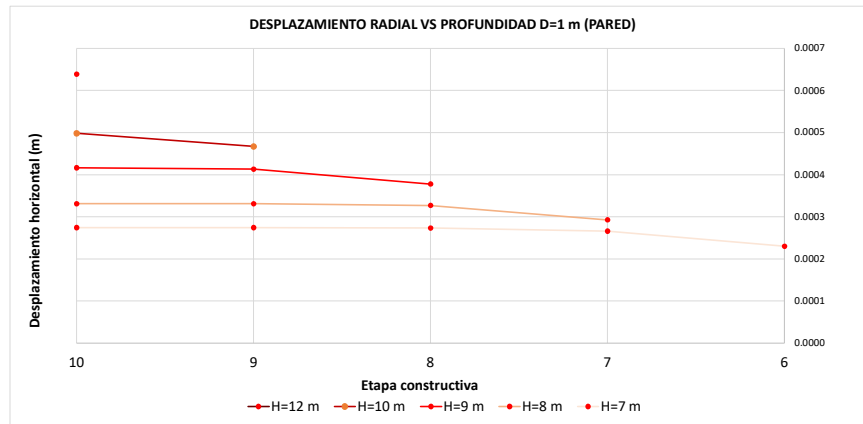
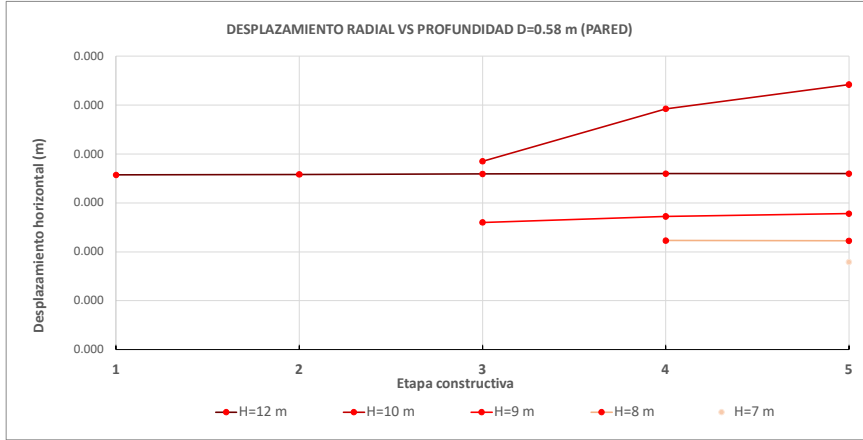
ANEXO 4.2

Resultados escenario E1 – Arena media

PROFUNDIDAD ETAPA	BATEA						CLAVE						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0017	0.0016	0.0004	0.0000	0.0000	0.0000	-0.0017	-0.0015	-0.0004	0.0000	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000
3	0.0017	0.0016	0.0014	0.0013	0.0000	0.0000	-0.0017	-0.0015	-0.0014	-0.0012	0.0000	0.0000	0.0002	0.0002	0.0002	0.0001	0.0000	0.0000
4	0.0017	0.0016	0.0015	0.0013	0.0012	0.0000	-0.0017	-0.0015	-0.0014	-0.0012	-0.0010	0.0000	0.0002	0.0002	0.0002	0.0001	0.0001	0.0000
5	0.0017	0.0016	0.0015	0.0013	0.0012	0.0010	-0.0017	-0.0015	-0.0014	-0.0012	-0.0010	-0.0009	0.0002	0.0002	0.0003	0.0001	0.0001	0.0001
6	0.0017	0.0016	0.0015	0.0013	0.0012	0.0000	-0.0017	-0.0015	-0.0014	-0.0012	-0.0010	0.0000	0.0002	0.0002	0.0003	0.0001	0.0001	0.0000
7	0.0017	0.0016	0.0015	0.0013	0.0000	0.0000	-0.0017	-0.0015	-0.0014	-0.0012	0.0000	0.0000	0.0002	0.0002	0.0003	0.0001	0.0000	0.0000
8	0.0017	0.0015	0.0021	0.0000	0.0000	0.0000	-0.0017	-0.0015	-0.0019	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
9	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0017	0.0016	0.0021	0.0013	0.0012	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0003	0.0001	0.0001	0.0001
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0017	-0.0015	-0.0019	-0.0012	-0.0010	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

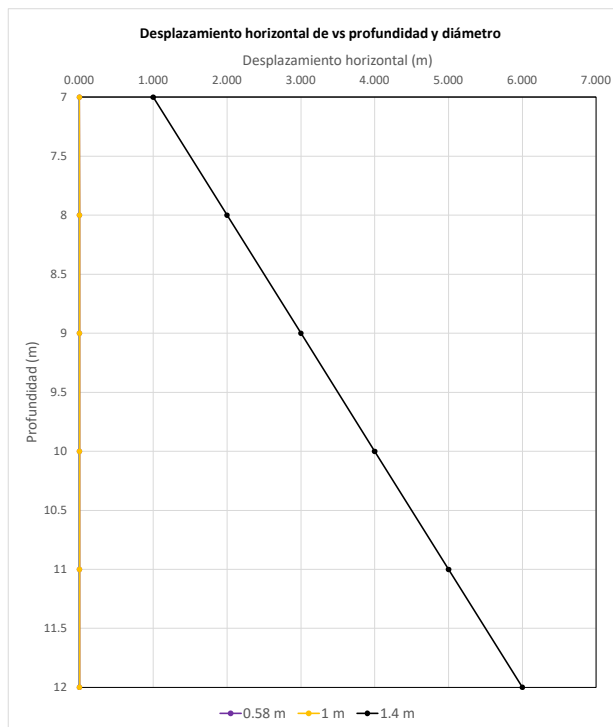
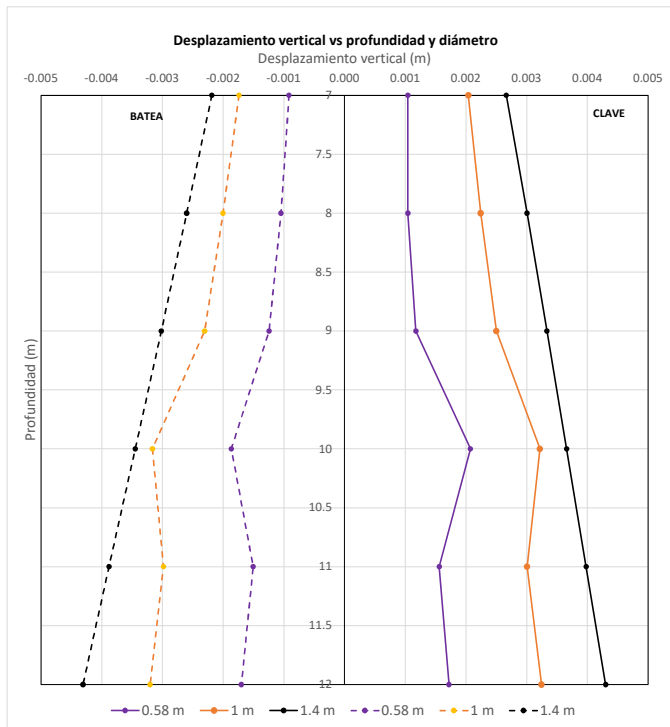


BATEA												CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF						
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m						
0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000						
0.0011	0.0010	0.0003	0.0000	0.0000	0.0000	-0.0011	-0.0010	-0.0003	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000						
0.0011	0.0010	0.0009	0.0008	0.0000	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	0.0000	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000						
0.0011	0.0010	0.0009	0.0008	0.0007	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000						
0.0011	0.0010	0.0009	0.0008	0.0007	0.0007	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	-0.0006	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000						
0.0011	0.0010	0.0009	0.0008	0.0022	0.0019	-0.0011	-0.0010	-0.0009	-0.0008	-0.0019	-0.0017	-0.0001	-0.0001	-0.0001	-0.0001	0.0003	0.0003						
0.0011	0.0010	0.0019	0.0025	0.0022	0.0020	-0.0011	-0.0010	-0.0015	-0.0022	-0.0020	-0.0017	-0.0001	-0.0001	0.0000	0.0004	0.0003	0.0003						
0.0011	0.0030	0.0028	0.0025	0.0022	0.0020	-0.0011	-0.0028	-0.0026	-0.0023	-0.0020	-0.0017	-0.0001	0.0005	0.0005	0.0004	0.0003	0.0003						
0.0032	0.0030	0.0028	0.0025	0.0022	0.0020	-0.0032	-0.0029	-0.0026	-0.0023	-0.0020	-0.0017	0.0006	0.0006	0.0005	0.0004	0.0003	0.0003						
0.0000	0.0030	0.0027	0.0025	0.0022	0.0020	0.0000	-0.0030	-0.0026	-0.0023	-0.0020	-0.0017	0.0000	0.0006	0.0005	0.0004	0.0003	0.0003						
0.0000	0.0000	0.0032	0.0025	0.0022	0.0020	0.0000	0.0000	-0.0032	-0.0023	-0.0020	-0.0017	0.0000	0.0000	0.0006	0.0004	0.0003	0.0003						
0.0000	0.0000	0.0000	0.0000	0.0022	0.0020	0.0000	0.0000	0.0000	0.0000	-0.0020	-0.0017	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003						
0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003						
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
0.0032	0.0030	0.0032	0.0025	0.0022	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0004	0.0003	0.0003						
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0032	-0.0030	-0.0032	-0.0023	-0.0020	-0.0017	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000						



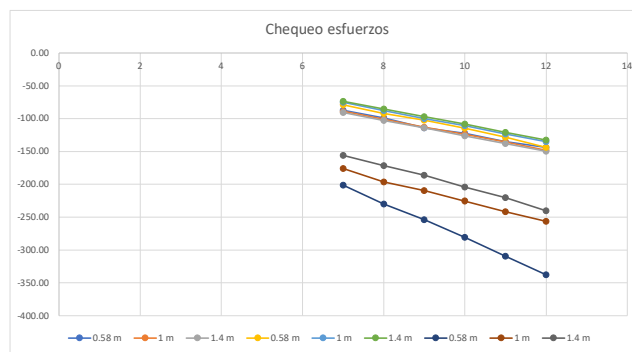
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
0.0009	0.0008	0.0003	0.0000	0.0000	0.0000	-0.0008	-0.0007	-0.0002	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000
0.0009	0.0008	0.0007	0.0006	0.0000	0.0000	-0.0009	-0.0008	-0.0007	-0.0006	0.0000	0.0000	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000
0.0009	0.0008	0.0007	0.0007	0.0006	0.0000	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	0.0000	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000
0.0009	0.0008	0.0007	0.0007	0.0006	0.0005	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	-0.0004	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000
0.0009	0.0008	0.0007	0.0007	0.0006	0.0016	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	-0.0013	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000
0.0009	0.0008	0.0007	0.0007	0.0019	0.0017	-0.0009	-0.0008	-0.0007	-0.0006	-0.0016	-0.0014	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0009	0.0008	0.0015	0.0021	0.0019	0.0017	-0.0009	-0.0008	-0.0014	-0.0019	-0.0017	-0.0014	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0008	0.0025	0.0023	0.0021	0.0019	0.0017	-0.0009	-0.0024	-0.0022	-0.0019	-0.0017	-0.0014	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0027	0.0025	0.0023	0.0021	0.0019	0.0017	-0.0027	-0.0025	-0.0022	-0.0019	-0.0017	-0.0014	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0043	0.0025	0.0023	0.0021	0.0019	0.0017	-0.0042	-0.0026	-0.0022	-0.0019	-0.0017	-0.0014	0.0009	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0043	0.0040	0.0028	0.0021	0.0019	0.0017	-0.0043	-0.0038	-0.0027	-0.0020	-0.0017	-0.0014	0.0009	0.0007	0.0000	-0.0001	-0.0001	-0.0001
0.0043	0.0040	0.0037	0.0033	0.0019	0.0017	-0.0043	-0.0039	-0.0034	-0.0030	-0.0017	-0.0014	0.0009	0.0008	0.0006	0.0005	-0.0001	-0.0001
0.0043	0.0040	0.0037	0.0033	0.0030	0.0017	-0.0043	-0.0039	-0.0034	-0.0030	-0.0026	-0.0015	0.0009	0.0008	0.0006	0.0005	0.0004	-0.0001
0.0043	0.0040	0.0037	0.0033	0.0030	0.0027	-0.0043	-0.0039	-0.0034	-0.0030	-0.0026	-0.0022	0.0009	0.0008	0.0006	0.0006	0.0004	0.0003
0.0043	0.0040	0.0037	0.0033	0.0030	0.0027	-0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0008	0.0006	0.0006	0.0004	0.0003
0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0043	-0.0039	-0.0034	-0.0030	-0.0026	-0.0022	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0010	0.0020	0.0027	-0.0009	-0.0017	-0.0022	0.0001	0.0003	z
UE	8	0.0010	0.0022	0.0030	-0.0010	-0.0020	-0.0026	0.0001	0.0003	0.0004
UD	9	0.0012	0.0025	0.0033	-0.0012	-0.0023	-0.0030	0.0001	0.0004	0.0006
UC	10	0.0021	0.0032	0.0037	-0.0019	-0.0032	-0.0034	0.0003	0.0006	0.0006
UB	11	0.0016	0.0030	0.0040	-0.0015	-0.0030	-0.0039	0.0002	0.0006	0.0008
UA	12	0.0017	0.0032	0.0043	-0.0017	-0.0032	-0.0043	0.0002	0.0006	0.0009



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-143.8797	-214.9684	-195.7756	-177.15	-157.6043	-138.7912	-143.88	-203.314	-184.059	-165.053	-145.644	-127.173	-337.642	-209.339	-190.504	-171.026	-151.245	-133.569												
11	2	-143.8879	-134.9153	-202.5123	-177.1636	-157.6047	-138.7908	-143.888	-127.994	-190.197	-165.068	-145.644	-127.173	-337.521	-309.45	-218.252	-171.04	-151.245	-133.568												
10	2	-143.8879	-134.9153	-202.5123	-177.1636	-157.6047	-138.7908	-143.888	-127.994	-190.197	-165.068	-145.644	-127.173	-337.521	-309.45	-218.252	-171.04	-151.245	-133.568												
9	3	-143.8909	-134.9136	-122.2836	-114.1412	-157.6451	-138.7901	-143.891	-127.986	-114.646	-102.192	-145.69	-127.172	-337.409	-316.724	-280.402	-253.848	-151.289	-133.568												
8	4	-143.8922	-134.9136	-122.2567	-114.1388	-99.09126	-139.1684	-143.892	-127.983	-114.614	-102.162	-92.3822	-127.594	-337.358	-316.43	-220.016	-250.823	-230.071	-133.925												
7	5	-143.8928	-134.9143	-122.2488	-114.1339	-99.09223	-87.2895	-143.893	-127.982	-114.602	-102.156	-92.3827	-78.7739	-337.336	-316.338	-212.009	-249.852	-230.18	-201.057												
6																															
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9																															
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		-143.9	-134.9	-122.3	-114.1	-99.1	-87.3	-143.9	-128.0	-114.6	-102.2	-92.4	-78.8	-337.6	-309.4	-280.4	-253.8	-230.1	-201.1												

		R2																	
		BATEA						CLAVE						PARED					
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m
1																			
2																			
3																			
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11																			
12																			
12																			
12																			
13																			
14																			
15																			
		-147.9	-135.8	-123.9	-112.8	-100.9	-88.9	-134.9	-123.1	-110.7	-99.6	-87.8	-75.2	-256.5	-241.6	-225.3	-209.5	-196.2	-175.8



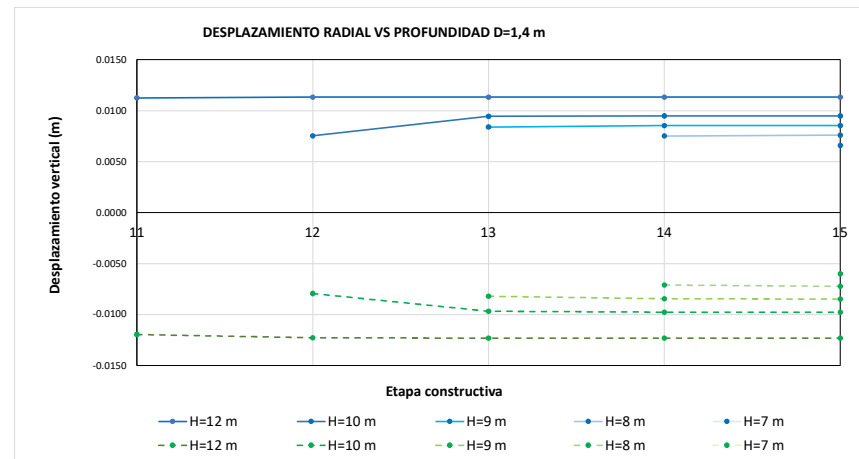
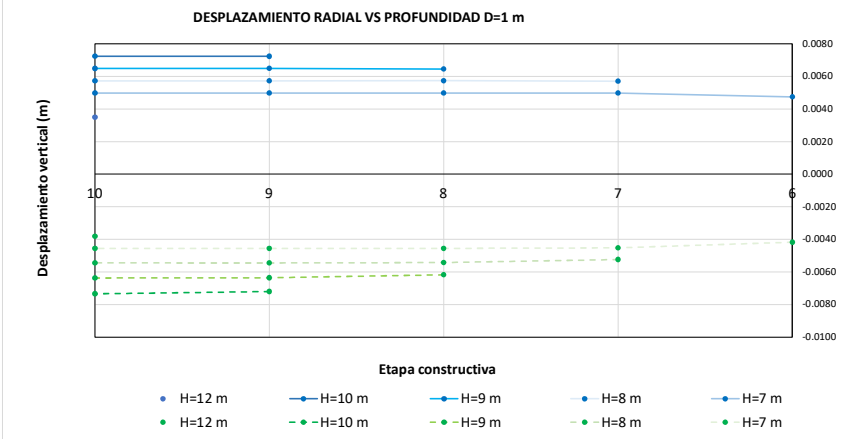
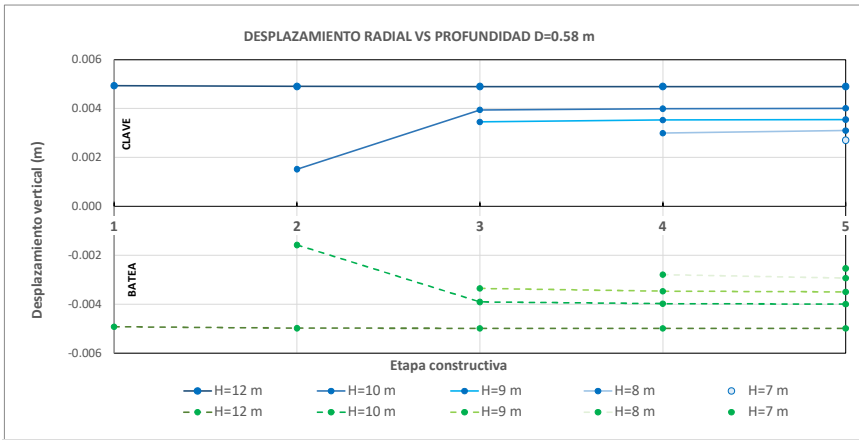
		12	11	10	9	8	7	12	11	10	9	8	7	12	11	10	9	8	7	
		BATEA						CLAVE						PARED						
PROFUNDIDAD/	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	
1																				
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8																				
9																				
9																				
10																				
12	11	-149.607	-155.411	-142.397	-129.614	-116.462	-103.185	-132.358	-134.676	-121.211	-108.459	-95.3245	-82.3096	-240.11	-282.165	-255.741	-228.821	-200.555	-172.509	
11	12	-149.608	-137.956	-146.345	-129.619	-116.462	-103.185	-132.36	-120.86	-120.555	-108.466	-95.3251	-82.3095	-238.407	-220.096	-267.295	-228.933	-200.558	-172.507	
10	12	-149.608	-137.954	-126.166	-114.261	-116.479	-103.185	-132.361	-120.858	-108.394	-97.0329	-95.3477	-82.3102	-238.277	-217.775	-203.961	-187.815	-200.9	-172.505	
9	13	-149.608	-137.954	-126.166	-114.26	-102.624	-103.33	-132.361	-120.859	-108.396	-97.0351	-85.4997	-82.4035	-238.273	-217.483	-207.84	-186.082	-171.454	-174.662	
8	14	-149.608	-137.954	-126.166	-114.26	-102.624	-103.33	-132.361	-120.859	-108.396	-97.0351	-85.4997	-82.4035	-238.273	-217.483	-207.84	-186.082	-171.454	-174.662	
7	15	-149.608	-137.953	-126.165	-114.26	-102.624	-90.9281	-132.36	-120.858	-108.396	-97.0353	-85.5004	-73.6848	-238.272	-217.434	-207.617	0	-169.415	-155.917	
		-149.6	-138.0	-126.2	-114.3	-102.6	-90.9	-132.4	-120.9	-108.4	-97.0	-85.5	-73.7	-240.1	-220.1	-204.0	-186.1	-171.5	-155.9	

AQ	AR	AS	AT	AU	AV	AW	AX	AY	
0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
7	-87.29	-88.93	-90.93	-78.77	-75.18	-73.68	-201.1	-175.8	-155.92
8	-99.09	-100.85	-102.62	-92.38	-87.82	-85.50	-230.1	-196.2	-171.45
9	-114.14	-112.81	-114.26	-102.19	-99.64	-97.04	-253.8	-209.5	-186.08
10	-122.28	-123.95	-126.17	-114.65	-110.71	-108.39	-280.4	-225.3	-203.96
11	-134.92	-135.82	-137.96	-127.99	-123.08	-120.86	-309.4	-241.6	-220.10
12	-143.88	-147.94	-149.61	-143.88	-134.88	-132.36	-337.6	-256.5	-240.11

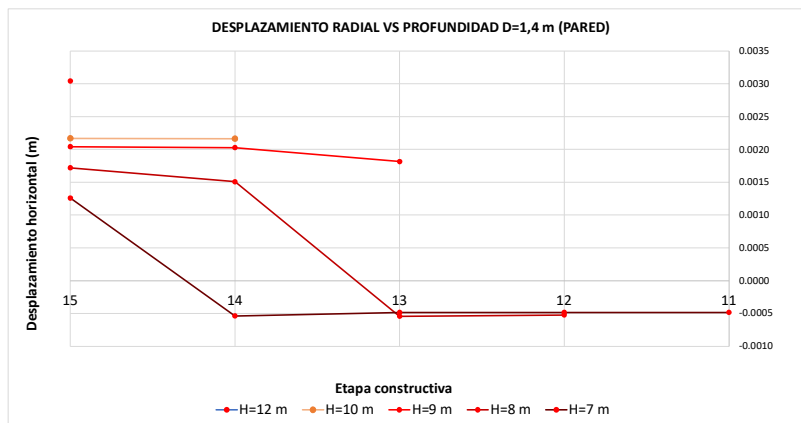
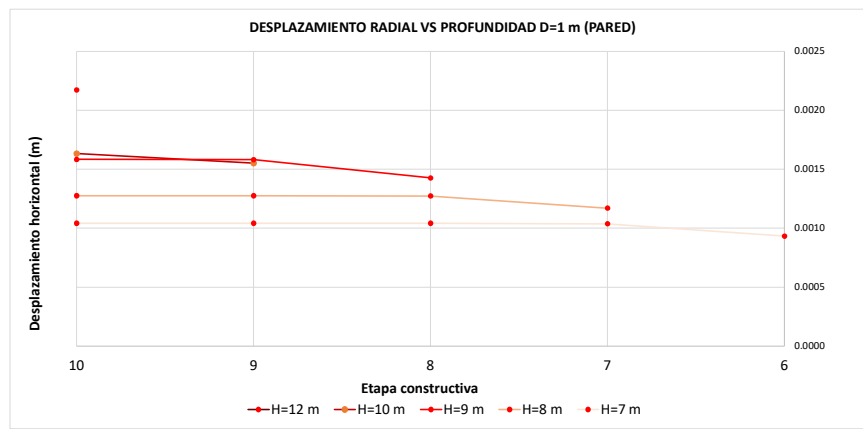
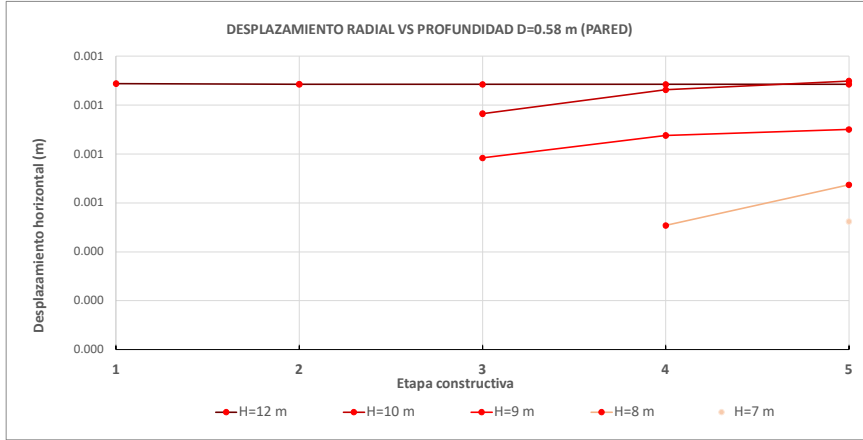
ANEXO 4.3

Resultados escenario E1 – Arena densa

PROFUNDIDAD ETAPA	BATEA						CLAVE						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	-0.0740	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0049	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0049	0.0044	0.0015	0.0000	0.0000	0.0000	-0.0050	-0.0043	-0.0016	0.0000	0.0000	0.0000	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000
3	0.0049	0.0044	0.0039	0.0035	0.0000	0.0000	-0.0050	-0.0044	-0.0039	-0.0034	0.0000	0.0000	0.0011	0.0012	0.0010	0.0008	0.0000	0.0000
4	0.0049	0.0044	0.0040	0.0035	0.0030	0.0000	-0.0050	-0.0044	-0.0040	-0.0035	-0.0028	0.0000	0.0011	0.0012	0.0011	0.0009	0.0005	0.0000
5	0.0049	0.0044	0.0040	0.0036	0.0031	0.0027	-0.0050	-0.0044	-0.0040	-0.0035	-0.0029	-0.0025	0.0011	0.0012	0.0011	0.0009	0.0007	0.0005
6	0.0049	0.0044	0.0040	0.0036	0.0031	0.0000	-0.0050	-0.0044	-0.0040	-0.0035	-0.0030	0.0000	0.0011	0.0012	0.0011	0.0009	0.0007	0.0000
7	0.0049	0.0044	0.0040	0.0036	0.0000	0.0000	-0.0050	-0.0044	-0.0040	-0.0036	0.0000	0.0000	0.0011	0.0012	0.0011	0.0009	0.0000	0.0000
8	0.0049	0.0044	0.0057	0.0000	0.0000	0.0000	-0.0050	-0.0045	-0.0055	0.0000	0.0000	0.0000	0.0011	0.0012	0.0017	0.0000	0.0000	0.0000
9	0.0049	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0049	0.0044	0.0057	0.0036	0.0031	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0012	0.0017	0.0009	0.0007	0.0005
MINIMO	-0.0740	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0051	-0.0045	-0.0055	-0.0036	-0.0030	-0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

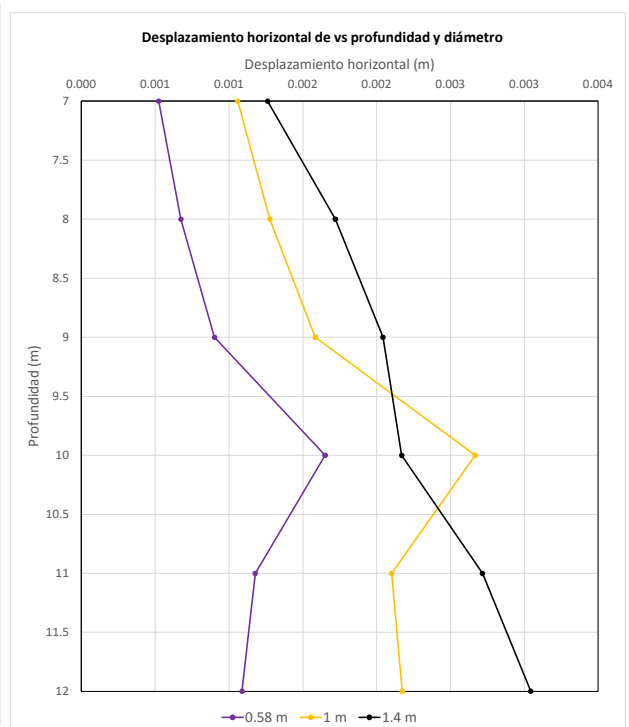
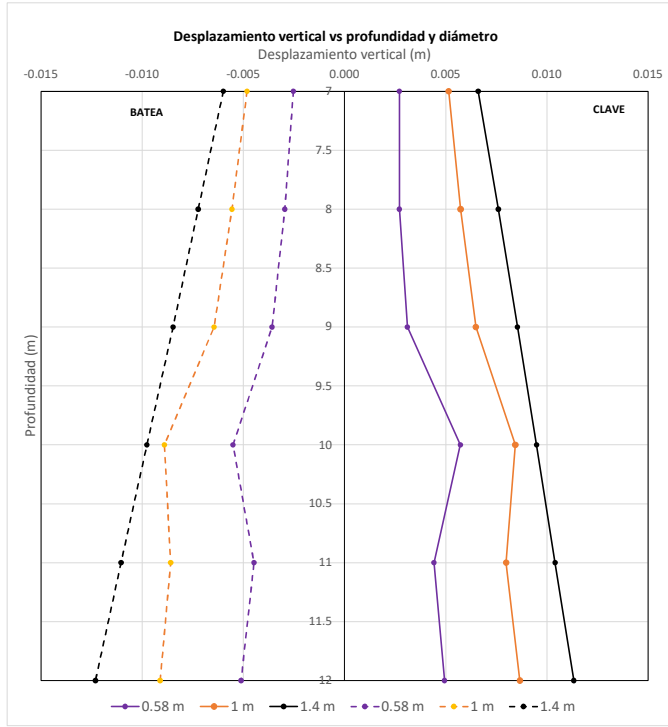


R2																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
-0.0722	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0798	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
0.0036	0.0031	0.0009	0.0000	0.0000	0.0000	-0.0036	-0.0032	-0.0011	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0002	0.0000	0.0000	0.0000
0.0036	0.0032	0.0028	0.0024	0.0000	0.0000	-0.0037	-0.0033	-0.0028	-0.0024	0.0000	0.0000	-0.0007	-0.0006	-0.0005	-0.0004	0.0000	0.0000
0.0036	0.0032	0.0028	0.0025	0.0021	0.0000	-0.0037	-0.0033	-0.0029	-0.0025	-0.0020	0.0000	-0.0007	-0.0007	-0.0006	-0.0005	-0.0004	0.0000
0.0036	0.0032	0.0029	0.0025	0.0022	0.0019	-0.0037	-0.0033	-0.0029	-0.0025	-0.0021	-0.0018	-0.0007	-0.0007	-0.0006	-0.0005	-0.0004	-0.0004
0.0036	0.0032	0.0029	0.0025	0.0022	0.0047	-0.0037	-0.0033	-0.0029	-0.0025	-0.0021	-0.0042	-0.0007	-0.0007	-0.0006	-0.0005	-0.0004	0.0009
0.0036	0.0032	0.0028	0.0025	0.0057	0.0050	-0.0037	-0.0033	-0.0029	-0.0026	-0.0052	-0.0045	-0.0007	-0.0007	-0.0006	-0.0005	0.0012	0.0010
0.0036	0.0031	0.0052	0.0065	0.0057	0.0050	-0.0037	-0.0033	-0.0046	-0.0062	-0.0054	-0.0046	-0.0007	-0.0007	-0.0001	0.0014	0.0013	0.0010
0.0036	0.0079	0.0072	0.0065	0.0057	0.0050	-0.0037	-0.0078	-0.0072	-0.0064	-0.0054	-0.0046	-0.0008	0.0019	0.0016	0.0016	0.0013	0.0010
0.0035	0.0080	0.0072	0.0065	0.0057	0.0050	-0.0038	-0.0083	-0.0073	-0.0064	-0.0054	-0.0046	0.0022	0.0021	0.0016	0.0016	0.0013	0.0010
0.0087	0.0080	0.0072	0.0065	0.0057	0.0050	-0.0091	-0.0086	-0.0074	-0.0064	-0.0054	-0.0045	0.0000	0.0021	0.0016	0.0016	0.0013	0.0010
0.0000	0.0000	0.0084	0.0064	0.0057	0.0050	0.0000	0.0000	-0.0089	-0.0065	-0.0055	-0.0045	0.0000	0.0000	0.0027	0.0016	0.0013	0.0010
0.0000	0.0000	0.0000	0.0000	0.0057	0.0050	0.0000	0.0000	0.0000	0.0000	-0.0056	-0.0046	0.0000	0.0000	0.0000	0.0000	0.0013	0.0010
0.0000	0.0000	0.0000	0.0000	0.0000	0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0087	0.0080	0.0084	0.0065	0.0057	0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0021	0.0027	0.0016	0.0013	0.0011
-0.0722	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0091	-0.0086	-0.0089	-0.0065	-0.0056	-0.0048	-0.0008	-0.0007	-0.0006	-0.0005	-0.0004	-0.0004



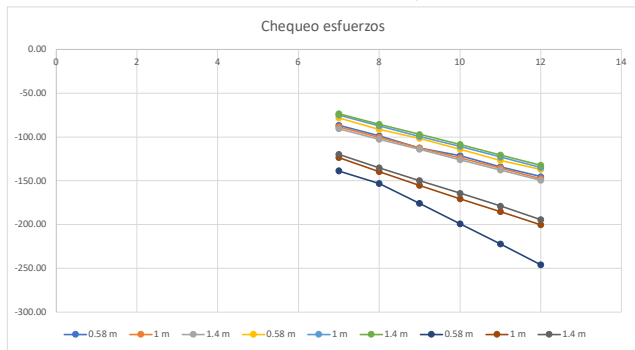
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0029	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0030	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
0.0029	0.0025	0.0009	0.0000	0.0000	0.0000	-0.0031	-0.0026	-0.0009	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0002	0.0000	0.0000	0.0000
0.0029	0.0026	0.0023	0.0020	0.0000	0.0000	-0.0031	-0.0027	-0.0023	-0.0019	0.0000	0.0000	-0.0007	-0.0006	-0.0005	-0.0004	0.0000	0.0000
0.0029	0.0026	0.0023	0.0020	0.0017	0.0000	-0.0031	-0.0027	-0.0024	-0.0020	-0.0016	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	0.0000
0.0029	0.0026	0.0023	0.0021	0.0018	0.0015	-0.0031	-0.0027	-0.0024	-0.0021	-0.0017	-0.0014	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	-0.0003
0.0029	0.0026	0.0023	0.0021	0.0018	0.0041	-0.0031	-0.0027	-0.0024	-0.0021	-0.0017	-0.0036	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	-0.0004
0.0029	0.0026	0.0023	0.0021	0.0049	0.0043	-0.0031	-0.0027	-0.0024	-0.0021	-0.0046	-0.0039	-0.0007	-0.0006	-0.0006	-0.0005	-0.0005	-0.0005
0.0029	0.0026	0.0042	0.0056	0.0050	0.0043	-0.0031	-0.0028	-0.0042	-0.0054	-0.0048	-0.0040	-0.0007	-0.0006	-0.0007	-0.0006	-0.0005	-0.0005
0.0028	0.0069	0.0063	0.0056	0.0050	0.0043	-0.0032	-0.0069	-0.0063	-0.0056	-0.0048	-0.0040	-0.0007	-0.0006	-0.0006	-0.0006	-0.0005	-0.0005
0.0075	0.0069	0.0063	0.0056	0.0050	0.0043	-0.0081	-0.0073	-0.0065	-0.0056	-0.0048	-0.0040	-0.0007	-0.0006	-0.0006	-0.0006	-0.0005	-0.0005
0.0113	0.0069	0.0063	0.0056	0.0050	0.0043	-0.0120	-0.0076	-0.0065	-0.0056	-0.0048	-0.0040	0.0028	-0.0007	-0.0006	-0.0006	-0.0005	-0.0005
0.0113	0.0103	0.0075	0.0056	0.0050	0.0043	-0.0123	-0.0108	-0.0079	-0.0057	-0.0048	-0.0040	0.0030	0.0024	0.0003	-0.0006	-0.0005	-0.0005
0.0113	0.0104	0.0095	0.0084	0.0049	0.0043	-0.0123	-0.0110	-0.0097	-0.0082	-0.0049	-0.0040	0.0030	0.0027	0.0021	0.0018	-0.0005	-0.0005
0.0113	0.0104	0.0095	0.0085	0.0075	0.0045	-0.0123	-0.0110	-0.0098	-0.0084	-0.0071	-0.0042	0.0030	0.0027	0.0022	0.0020	0.0015	-0.0005
0.0113	0.0104	0.0095	0.0085	0.0076	0.0066	-0.0123	-0.0110	-0.0098	-0.0085	-0.0072	-0.0060	0.0030	0.0027	0.0022	0.0020	0.0017	0.0013
0.0113	0.0104	0.0095	0.0085	0.0076	0.0066	-0.0030	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0030	0.0027	0.0022	0.0020	0.0017	0.0013
0.0028	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0123	-0.0110	-0.0098	-0.0085	-0.0072	-0.0060	-0.0007	-0.0007	-0.0007	-0.0006	-0.0005	-0.0005

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0027	0.0051	0.0066	-0.0025	-0.0048	-0.0060	0.0005	0.0011	0.0013
UE	8	0.0027	0.0057	0.0076	-0.0030	-0.0056	-0.0072	0.0007	0.0013	0.0017
UD	9	0.0031	0.0065	0.0085	-0.0036	-0.0065	-0.0085	0.0009	0.0016	0.0020
UC	10	0.0057	0.0084	0.0095	-0.0055	-0.0089	-0.0098	0.0017	0.0027	0.0022
UB	11	0.0044	0.0080	0.0104	-0.0045	-0.0086	-0.0110	0.0012	0.0021	0.0027
UA	12	0.0049	0.0087	0.0113	-0.0051	-0.0091	-0.0123	0.0011	0.0022	0.0030



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-145.2619	-203.7237	-185.4796	-167.8262	-149.3093	-131.4869	-137.086	-192.69	-174.379	-156.366	-137.978	-120.479	-245.81	-198.391	-180.925	-162.025	-144.902	-126.538												
11	2	-145.2707	-134.1641	-178.4483	-167.8492	-149.3104	-131.4862	-137.093	-126.889	-169.212	-156.39	-137.979	-120.478	-245.895	-222.075	-198.932	-162.048	-144.903	-126.538												
10	2	-145.2707	-134.1641	-178.4483	-167.8492	-149.3104	-131.4862	-137.093	-126.889	-169.212	-156.39	-137.979	-120.478	-245.895	-222.075	-198.932	-162.048	-144.903	-126.538												
9	3	-145.2725	-134.1907	-121.4638	-112.408	-149.3669	-131.4864	-137.094	-126.895	-113.994	-101.525	-138.043	-120.478	-245.886	-227.845	-171.729	-175.835	-144.961	-126.538												
8	4	-145.2728	-134.1966	-121.459	-112.4033	-98.75225	-131.9091	-137.094	-126.897	-114.005	-101.572	-91.2036	-120.97	-245.881	-227.646	-170.113	-171.01	-153	-126.942												
7	5	-145.273	-134.1987	-121.463	-112.4028	-98.82433	-86.72416	-137.094	-126.897	-114.011	-101.603	-91.1641	-78.2803	-245.879	-227.582	-169.341	-169.546	-163.205	-138.752												
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		-145.3	-134.2	-121.5	-112.4	-98.8	-86.7	-137.1	-126.9	-114.0	-101.5	-91.2	-78.3	-245.8	-222.1	-198.9	-175.8	-153.0	-138.8												

		R2																	
		BATEA						CLAVE						PARED					
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m
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		-147.7	-135.6	-123.8	-112.5	-100.6	-88.6	-134.7	-122.9	-110.7	-99.4	-87.4	-75.1	-200.2	-185.1	-170.8	-155.1	-139.7	-123.6

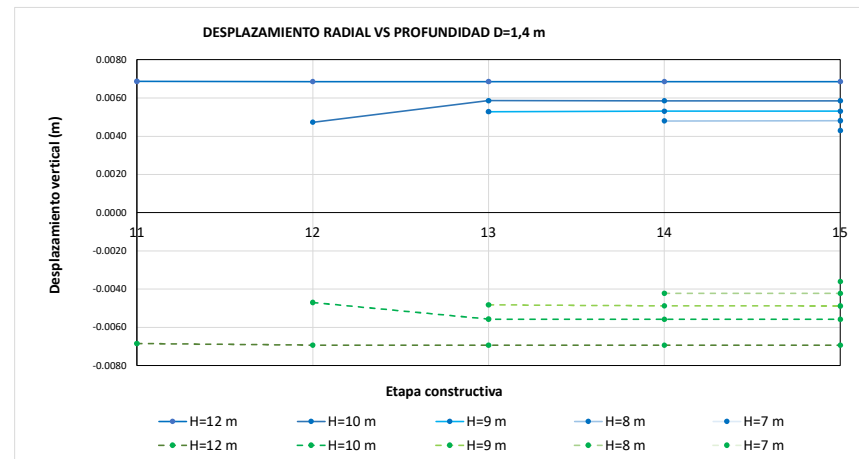
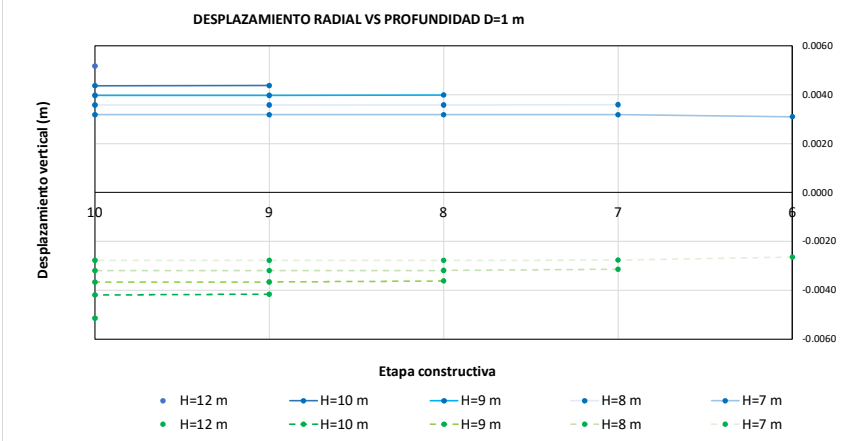
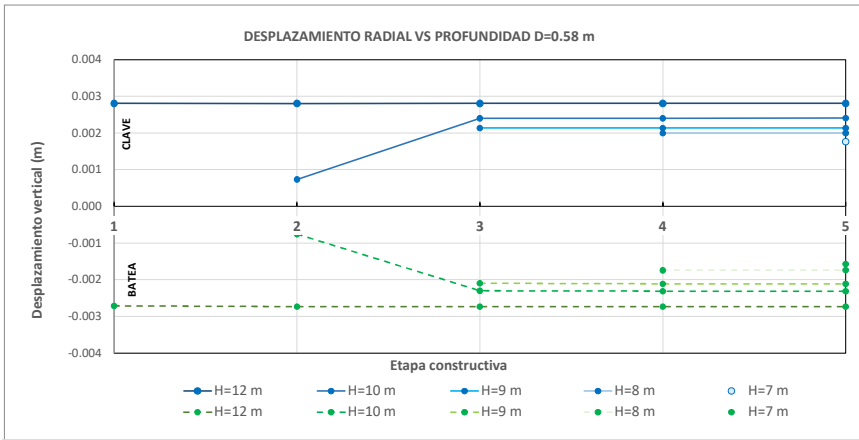


		12						11						10						9						8						7					
		R3																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD/	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF																		
PROFUNDIDAD (m)		H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m																		
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12	11	-149.555	-150.708	-137.903	-125.432	-112.454	-99.4449	-132.422	-130.614	-117.61	-105.036	-92.0728	-79.3552	-194.463	-223.892	-206.543	-190.303	-172.086	-154.393																		
11	12	-149.554	-137.872	-140.819	-125.436	-112.455	-99.445	-132.428	-120.831	-116.425	-105.04	-92.0736	-79.3554	-194.045	-178.831	-192.682	-190.381	-172.092	-154.39																		
10	12	-149.555	-137.872	-126.061	-114.161	-112.464	-99.445	-132.43	-120.836	-108.51	-97.0126	-92.0868	-79.3558	-193.894	-177.908	-164.337	-150.21	-172.351	-154.394																		
9	13	-149.555	-137.873	-126.061	-114.161	-102.478	-99.5549	-132.43	-120.837	-108.517	-97.0215	-85.3993	-79.4019	-193.877	-177.765	-168.529	-149.869	-135.018	-154.81																		
8	14	-149.555	-137.873	-126.061	-114.161	-102.478	-99.5549	-132.43	-120.837	-108.517	-97.0215	-85.3993	-79.4019	-193.877	-177.765	-168.529	-149.869	-135.018	-154.81																		
7	15	-149.555	-137.873	-126.061	-114.162	-102.479	-90.749	-132.43	-120.837	-108.518	-97.024	-85.4058	-73.5849	-193.875	-177.721	-168.462	-149.619	-133.941	-119.942																		
		-149.6	-137.9	-126.1	-114.2	-102.5	-90.7	-132.4	-120.8	-108.5	-97.0	-85.4	-73.6	-194.5	-178.8	-164.3	-149.9	-135.0	-119.9																		
AQ	AR	AS	AT	AU	AV	AW	AX	AY																													
		BATEA			CLAVE		PARED																														
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m																												
7	-86.72	-88.63	-90.75	-78.28	-75.12	-73.58	-138.8	-123.6	-110.94																												
8	-98.75	-100.55	-102.48	-91.20	-87.40	-85.40	-153.0	-139.7	-135.02																												
9	-112.41	-112.54	-114.16	-101.52	-99.44	-97.02	-175.8	-155.1	-149.87																												
10	-121.46	-123.79	-126.06	-113.99	-110.66	-108.51	-198.9	-170.8	-164.34																												
11	-134.16	-135.58	-137.87	-126.89	-122.93	-120.83	-222.1	-185.1	-178.83																												
12	-145.26	-147.72	-149.55	-137.09	-134.74	-132.42	-245.8	-200.2	-194.46																												

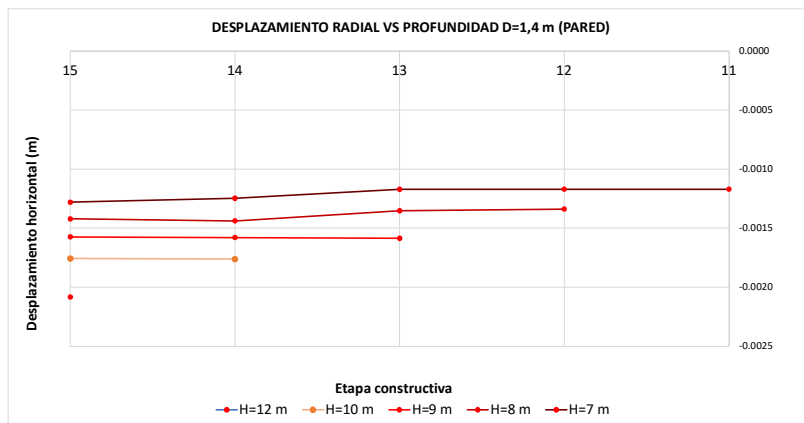
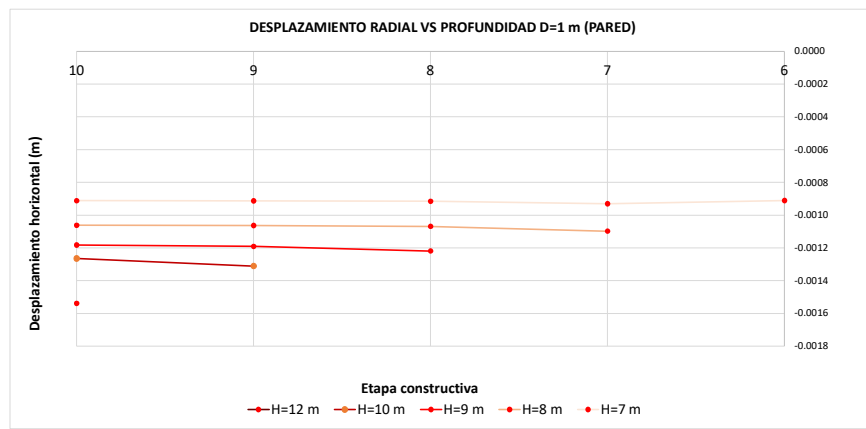
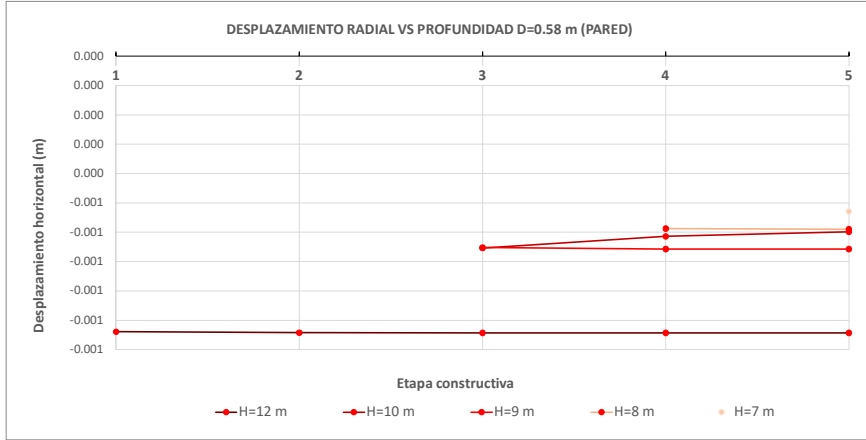
ANEXO 4.4

Resultados escenario E2 – Arena suelta

PROFUNDIDAD ETAPA	BATEA						CLAVE						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0028	0.0026	0.0007	0.0000	0.0000	0.0000	-0.0027	-0.0025	-0.0008	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0002	0.0000	0.0000	0.0000
3	0.0028	0.0026	0.0024	0.0021	0.0000	0.0000	-0.0027	-0.0025	-0.0023	-0.0021	0.0000	0.0000	-0.0009	-0.0008	-0.0007	-0.0007	0.0000	0.0000
4	0.0028	0.0026	0.0024	0.0021	0.0020	0.0018	-0.0027	-0.0025	-0.0023	-0.0021	-0.0017	0.0000	-0.0009	-0.0008	-0.0006	-0.0007	-0.0006	0.0000
5	0.0028	0.0026	0.0024	0.0021	0.0020	0.0018	-0.0027	-0.0025	-0.0023	-0.0021	-0.0017	-0.0016	-0.0009	-0.0008	-0.0006	-0.0007	-0.0006	-0.0005
6	0.0028	0.0026	0.0024	0.0021	0.0020	0.0000	-0.0027	-0.0025	-0.0023	-0.0021	-0.0017	0.0000	-0.0009	-0.0008	-0.0006	-0.0007	-0.0006	0.0000
7	0.0028	0.0026	0.0024	0.0021	0.0000	0.0000	-0.0027	-0.0025	-0.0023	-0.0021	0.0000	0.0000	-0.0009	-0.0008	-0.0006	-0.0007	0.0000	0.0000
8	0.0028	0.0026	0.0037	0.0000	0.0000	0.0000	-0.0027	-0.0025	-0.0033	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0010	0.0000	0.0000	0.0000
9	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0028	0.0026	0.0037	0.0021	0.0020	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0028	-0.0025	-0.0033	-0.0021	-0.0017	-0.0016	-0.0009	-0.0008	-0.0010	-0.0007	-0.0006	-0.0005

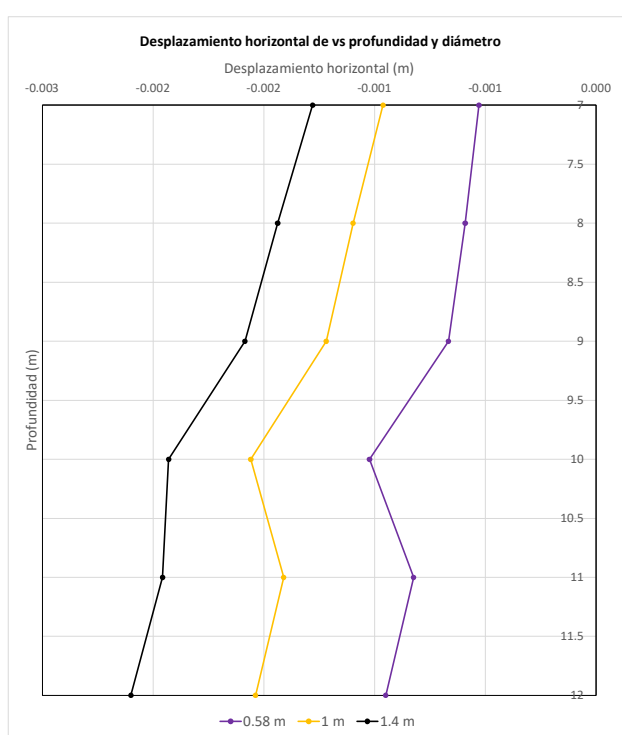
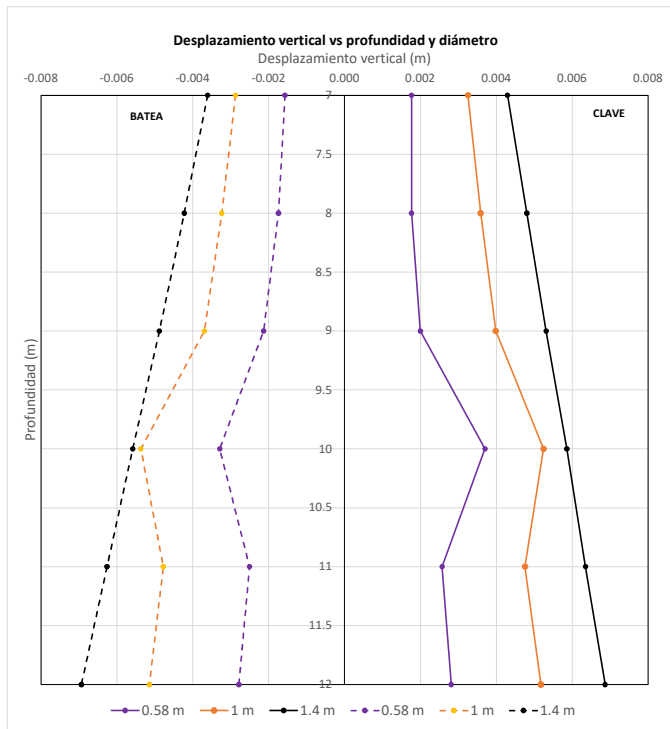


BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
0.0018	0.0005	0.0000	0.0000	0.0000	0.0000	-0.0019	-0.0017	-0.0006	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0003	0.0000	0.0000	0.0000
0.0020	0.0018	0.0017	0.0015	0.0000	0.0000	-0.0019	-0.0017	-0.0016	-0.0014	0.0000	0.0000	-0.0009	-0.0008	-0.0007	-0.0006	0.0000	0.0000
0.0020	0.0018	0.0017	0.0015	0.0013	0.0012	-0.0019	-0.0018	-0.0016	-0.0014	-0.0012	0.0000	-0.0009	-0.0008	-0.0008	-0.0006	-0.0006	0.0000
0.0020	0.0018	0.0017	0.0015	0.0013	0.0031	-0.0019	-0.0018	-0.0016	-0.0014	-0.0012	-0.0026	-0.0009	-0.0008	-0.0008	-0.0006	-0.0006	-0.0009
0.0020	0.0018	0.0017	0.0015	0.0036	0.0032	-0.0019	-0.0018	-0.0016	-0.0014	-0.0031	-0.0028	-0.0009	-0.0008	-0.0008	-0.0006	-0.0011	-0.0009
0.0020	0.0018	0.0032	0.0040	0.0036	0.0032	-0.0020	-0.0018	-0.0026	-0.0036	-0.0032	-0.0028	-0.0009	-0.0008	-0.0011	-0.0012	-0.0011	-0.0009
0.0019	0.0048	0.0044	0.0040	0.0036	0.0032	-0.0020	-0.0045	-0.0042	-0.0037	-0.0032	-0.0028	-0.0009	-0.0014	-0.0013	-0.0012	-0.0011	-0.0009
0.0052	0.0047	0.0044	0.0040	0.0036	0.0032	-0.0051	-0.0047	-0.0042	-0.0037	-0.0032	-0.0028	-0.0015	-0.0014	-0.0013	-0.0012	-0.0011	-0.0009
0.0000	0.0047	0.0043	0.0040	0.0036	0.0032	0.0000	-0.0048	-0.0042	-0.0037	-0.0032	-0.0028	0.0000	-0.0014	-0.0013	-0.0012	-0.0011	-0.0009
0.0000	0.0000	0.0052	0.0039	0.0036	0.0032	0.0000	0.0000	-0.0054	-0.0037	-0.0032	-0.0028	0.0000	0.0000	-0.0016	-0.0012	-0.0011	-0.0009
0.0000	0.0000	0.0000	0.0000	0.0036	0.0032	0.0000	0.0000	0.0000	0.0000	-0.0032	-0.0028	0.0000	0.0000	0.0000	0.0000	-0.0011	-0.0009
0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0010
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0052	0.0048	0.0052	0.0040	0.0036	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0051	-0.0048	-0.0054	-0.0037	-0.0032	-0.0029	-0.0015	-0.0014	-0.0016	-0.0012	-0.0011	-0.0010



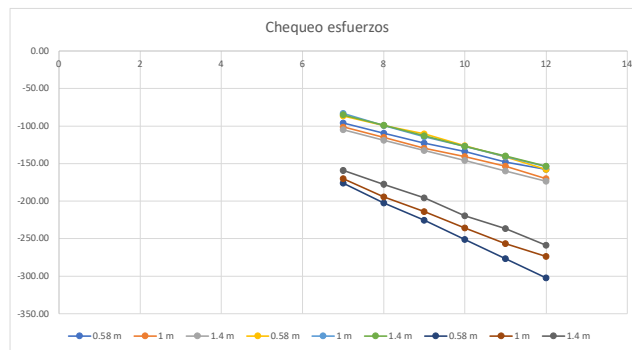
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
0.0015	0.0014	0.0005	0.0000	0.0000	0.0000	-0.0015	-0.0014	-0.0005	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0003	0.0000	0.0000	0.0000
0.0015	0.0014	0.0013	0.0012	0.0000	0.0000	-0.0015	-0.0014	-0.0012	-0.0011	0.0000	0.0000	-0.0007	-0.0007	-0.0006	-0.0005	0.0000	0.0000
0.0015	0.0014	0.0013	0.0012	0.0010	0.0000	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	0.0000	-0.0007	-0.0007	-0.0006	-0.0005	-0.0005	0.0000
0.0015	0.0014	0.0013	0.0012	0.0010	0.0009	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	-0.0008	-0.0007	-0.0007	-0.0006	-0.0005	-0.0005	-0.0004
0.0015	0.0014	0.0013	0.0012	0.0010	0.0027	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	-0.0023	-0.0007	-0.0007	-0.0006	-0.0005	-0.0005	-0.0011
0.0015	0.0014	0.0013	0.0012	0.0032	0.0028	-0.0015	-0.0014	-0.0013	-0.0011	-0.0028	-0.0024	-0.0007	-0.0007	-0.0006	-0.0005	-0.0013	-0.0012
0.0015	0.0014	0.0026	0.0036	0.0032	0.0028	-0.0015	-0.0014	-0.0024	-0.0033	-0.0029	-0.0025	-0.0007	-0.0007	-0.0011	-0.0015	-0.0013	-0.0012
0.0015	0.0043	0.0039	0.0036	0.0032	0.0028	-0.0016	-0.0041	-0.0037	-0.0033	-0.0029	-0.0025	-0.0007	-0.0018	-0.0017	-0.0015	-0.0013	-0.0012
0.0046	0.0043	0.0039	0.0036	0.0032	0.0028	-0.0046	-0.0042	-0.0038	-0.0033	-0.0029	-0.0024	-0.0020	-0.0019	-0.0017	-0.0015	-0.0013	-0.0012
0.0069	0.0043	0.0039	0.0036	0.0032	0.0028	-0.0068	-0.0043	-0.0038	-0.0033	-0.0029	-0.0024	-0.0021	-0.0019	-0.0017	-0.0015	-0.0013	-0.0012
0.0069	0.0063	0.0047	0.0035	0.0032	0.0028	-0.0069	-0.0062	-0.0047	-0.0033	-0.0029	-0.0024	-0.0021	-0.0020	-0.0019	-0.0015	-0.0013	-0.0012
0.0069	0.0063	0.0059	0.0053	0.0032	0.0028	-0.0069	-0.0063	-0.0056	-0.0048	-0.0029	-0.0025	-0.0021	-0.0019	-0.0018	-0.0016	-0.0014	-0.0012
0.0069	0.0063	0.0059	0.0053	0.0048	0.0029	-0.0069	-0.0063	-0.0056	-0.0049	-0.0042	-0.0026	-0.0021	-0.0019	-0.0018	-0.0016	-0.0014	-0.0012
0.0069	0.0063	0.0059	0.0053	0.0048	0.0043	-0.0069	-0.0063	-0.0056	-0.0049	-0.0042	-0.0036	-0.0021	-0.0019	-0.0018	-0.0016	-0.0014	-0.0013
0.0069	0.0063	0.0059	0.0053	0.0048	0.0043	-0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0069	-0.0063	-0.0056	-0.0049	-0.0042	-0.0036	-0.0021	-0.0020	-0.0019	-0.0016	-0.0014	-0.0013

		BATEA			CLAVE			PARED		
		0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m
UF	7	0.0018	0.0033	0.0043	-0.0016	-0.0029	-0.0036	-0.0005	-0.0010	-0.0013
UE	8	0.0018	0.0036	0.0048	-0.0017	-0.0032	-0.0042	-0.0006	-0.0011	-0.0014
UD	9	0.0020	0.0040	0.0053	-0.0021	-0.0037	-0.0049	-0.0007	-0.0012	-0.0016
UC	10	0.0037	0.0052	0.0059	-0.0033	-0.0054	-0.0056	-0.0010	-0.0016	-0.0019
UB	11	0.0026	0.0048	0.0063	-0.0025	-0.0048	-0.0063	-0.0008	-0.0014	-0.0020
UA	12	0.0028	0.0052	0.0069	-0.0028	-0.0051	-0.0069	-0.0009	-0.0015	-0.0021



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-157.6926	-203.6015	-185.4677	-167.8252	-149.3099	-131.4874	-157.693	-192.562	-174.368	-156.365	-137.979	-120.479	-302.468	-198.27	-174.368	-162.024	-144.371	-126.539												
11	2	-157.6661	-148.1199	-193.8885	-167.8332	-149.3098	-131.487	-157.666	-141.017	-180.367	-156.374	-137.979	-120.479	-302.564	-276.795	-251.367	-162.032	-144.37	-126.539												
10	2	-157.6661	-148.1199	-193.8885	-167.8332	-149.3098	-131.487	-157.666	-141.017	-180.367	-156.374	-137.979	-120.479	-302.564	-276.795	-251.367	-162.032	-144.37	-126.539												
9	3	-157.664	-148.3608	-133.855	-122.8848	-149.3333	-131.486	-157.664	-141.288	-126.066	-110.484	-138.008	-120.478	-302.567	-276.684	-126.066	-225.547	-144.396	-126.538												
8	4	-157.6634	-148.3569	-134.6644	-122.8848	-109.8549	-131.685	-157.663	-141.285	-126.684	-110.604	-99.2949	-120.751	-302.567	-276.656	-126.684	-225.114	-202.445	-126.736												
7	5	-157.6632	-148.3562	-134.739	-122.8881	-110.0551	-95.92232	-157.663	-141.284	-126.702	-110.6	-99.2257	-86.6054	-302.567	-276.651	-126.702	-225.022	-202.464	-176.164												
6																															
7																															
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9																															
10																															
11																															
12																															
13																															
14																															
15																															
		-157.7	-148.1	-133.9	-122.9	-109.9	-95.9	-157.7	-141.0	-126.1	-110.5	-99.3	-86.6	-302.5	-276.8	-251.4	-225.5	-202.4	-176.2												

		12						11						10						9						8						7					
		R2																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m																		
1																																					
2																																					
3																																					
4																																					
5																																					
6	7	-194.045	-179.045	-162.546	-148.148	-132.906	-101.29	-176.202	-160.96	-144.693	-130.102	-114.904	-82.9845	-230.421	-211.855	-190.023	-172.02	-153.774	-170.044																		
7	8	-194.045	-179.045	-162.546	-148.203	-115.254	-101.931	-176.202	-160.96	-144.693	-130.147	-99.3097	-83.3753	-230.42	-211.855	-190.025	-172.201	-194.483	-166.03																		
8	9	-194.047	-179.055	-142.675	-129.563	-115.537	-102.004	-176.203	-160.969	-135.348	-114.281	-99.6106	-83.4492	-230.423	-211.879	-218.569	-213.843	-190.494	-164.427																		
9	10	-194.083	-153.493	-140.564	-129.727	-115.546	-102.006	-176.228	-140.844	-127.183	-114.39	-99.616	-83.4527	-230.532	-256.672	-235.946	-211.068	-189.913	-164.227																		
10	11	-194.083	-153.493	-140.564	-129.727	-115.546	-102.006	-176.228	-140.844	-127.183	-114.39	-99.616	-83.4527	-230.532	-256.672	-235.946	-211.068	-189.913	-164.227																		
11	12	-170.044	-153.631	-140.802	-129.734	-115.547	-102.006	-154.133	-141.213	-127.509	-114.397	-99.6171	-83.4531	-273.812	-251.068	-220.054	-210.53	-189.792	-164.187																		
12																																					
13																																					
14																																					
15																																					
		-170.0	-153.5	-140.6	-129.6	-115.3	-101.3	-154.1	-140.8	-127.2	-114.3	-99.3	-83.0	-273.8	-256.7	-235.9	-213.8	-194.5	-170.0																		

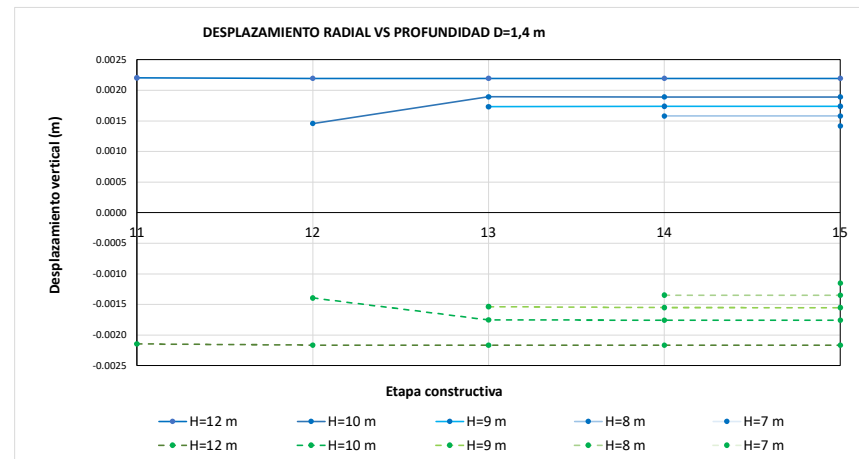
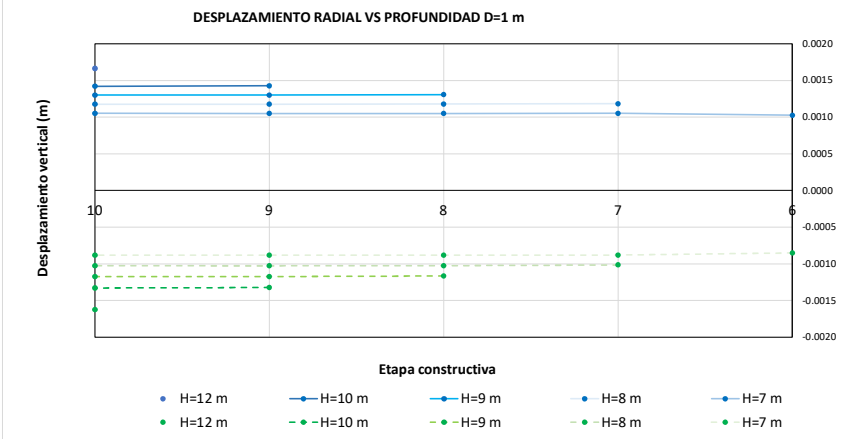
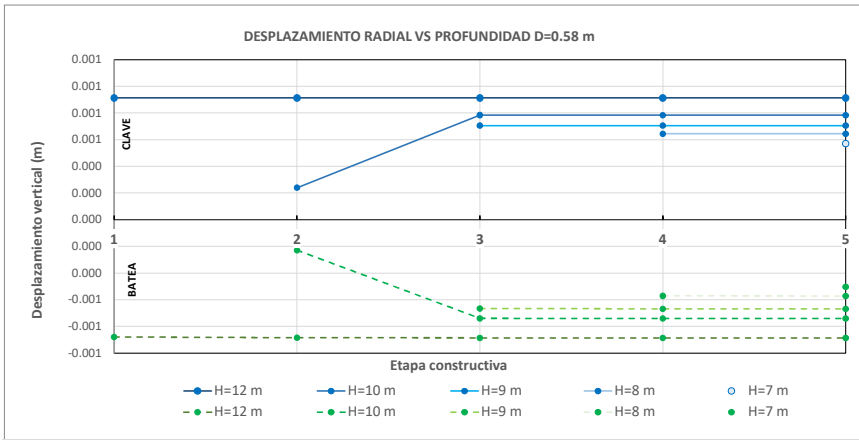


		12						11						10						9						8						7					
		R3																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD/	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
PROFUNDIDAD (m)		H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=11 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m												
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9																																					
10																																					
12	11	-173.413	-161.505	-148.178	-135.127	-121.378	-107.46	-153.676	-140.604	-126.833	-113.188	-99.3688	-86.0067	-258.676	-236.905	-216.125	-194.669	-171.993	-149.461																		
11	12	-173.532	-159.996	-151.229	-135.115	-121.378	-107.461	-153.854	-139.855	-126.981	-113.179	-99.3688	-86.0069	-256.994	-236.833	-239.638	-194.735	-171.993	-149.459																		
10	12	-173.532	-160.111	-145.656	-132.307	-121.34	-107.46	-153.854	-139.912	-131.47	-112.566	-99.3419	-86.0064	-256.892	-234.728	-219.548	-198.206	-172.191	-149.457																		
9	13	-173.532	-160.113	-145.775	-132.571	-118.985	-107.282	-153.854	-139.913	-131.779	-112.883	-99.1152	-85.859	-256.878	-234.46	-217.835	-195.775	-177.683	-150.784																		
8	14	-173.532	-160.113	-145.775	-132.571	-118.985	-107.282	-153.854	-139.913	-131.779	-112.883	-99.1152	-85.859	-256.878	-234.46	-217.835	-195.775	-177.683	-150.784																		
7	15	-173.532	-160.113	-145.778	-132.586	-119.216	-104.896	-153.854	-139.913	-131.793	-112.903	-99.2511	-85.1347	-256.876	-234.407	-217.527	-195.374	-175.04	-159.228																		
		-173.4	-160.0	-145.7	-132.6	-119.0	-104.9	-153.7	-139.9	-127.0	-112.9	-99.1	-85.1	-258.7	-236.8	-219.5	-195.8	-177.7	-159.2																		
AQ	AR	AS	AT	AU	AV	AW	AX	AY																													
		BATEA			CLAVE			PARED																													
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m																												
7	-95.92	-101.29	-104.90	-86.61	-82.98	-85.13	-176.2	-170.0	-159.23																												
8	-109.85	-115.25	-118.98	-99.29	-99.31	-99.12	-202.4	-194.5	-177.68																												
9	-122.88	-129.56	-132.57	-110.48	-114.28	-112.88	-225.5	-213.8	-195.78																												
10	-133.85	-140.56	-145.66	-126.07	-127.18	-126.98	-251.4	-235.9	-219.55																												
11	-148.12	-153.49	-160.00	-141.02	-140.84	-139.85	-276.8	-256.7	-236.83																												
12	-157.69	-170.04	-173.41	-157.69	-154.13	-153.68	-302.5	-273.8	-258.68																												

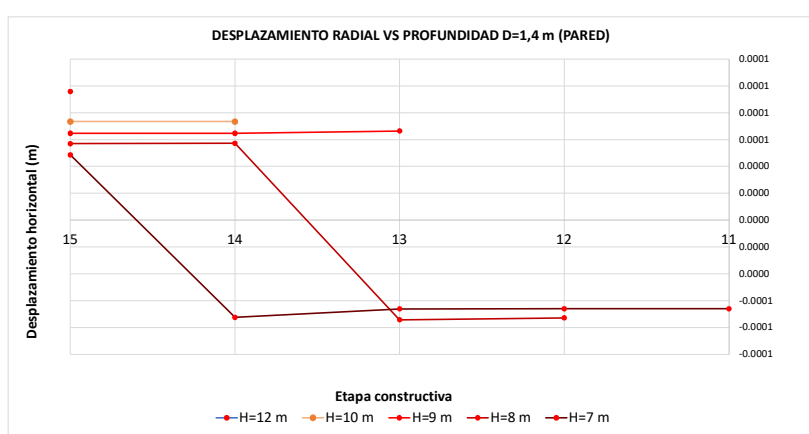
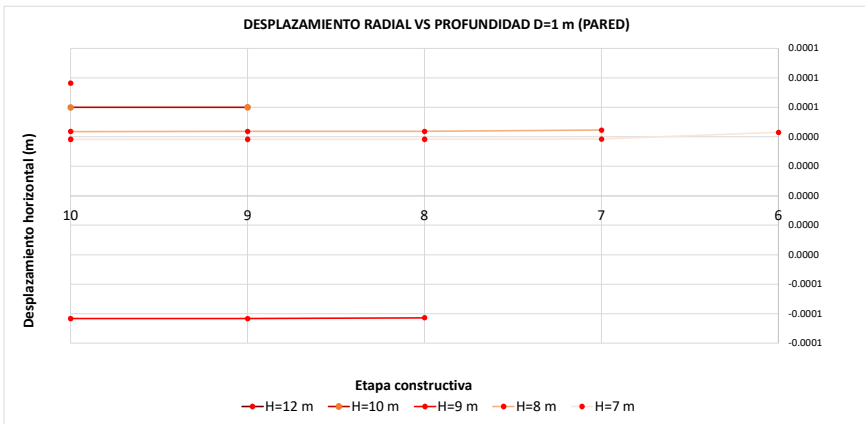
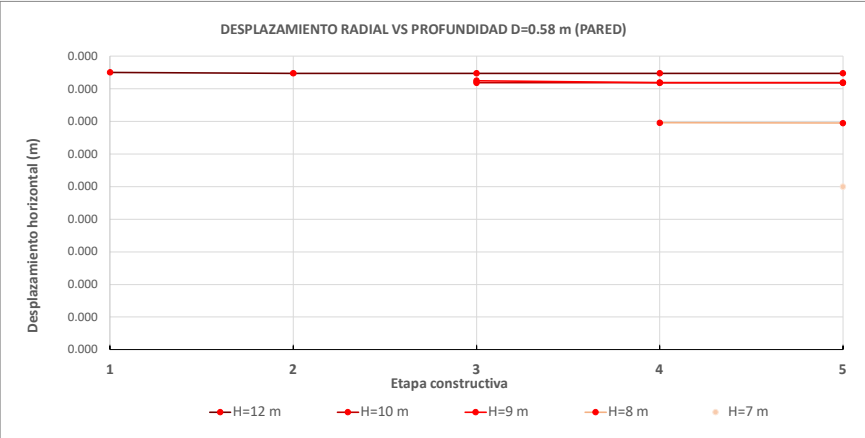
ANEXO 4.5

Resultados escenario E2 – Arena media

PROFUNDIDAD ETAPA	BATEA						R1						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0009	0.0008	0.0002	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
3	0.0009	0.0008	0.0008	0.0007	0.0000	0.0000	-0.0009	-0.0008	-0.0007	-0.0007	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
4	0.0009	0.0008	0.0008	0.0007	0.0006	0.0000	-0.0009	-0.0008	-0.0007	-0.0007	-0.0006	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
5	0.0009	0.0008	0.0008	0.0007	0.0006	0.0006	-0.0009	-0.0008	-0.0007	-0.0007	-0.0006	-0.0005	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
6	0.0009	0.0008	0.0008	0.0007	0.0006	0.0000	-0.0009	-0.0008	-0.0007	-0.0007	-0.0006	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
7	0.0009	0.0008	0.0008	0.0007	0.0000	0.0000	-0.0009	-0.0008	-0.0007	-0.0007	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
8	0.0009	0.0008	0.0011	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0010	0.0000	0.0000	0.0000	0.0000	0.0001	-0.0001	0.0000	0.0000	0.0000
9	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0009	0.0008	0.0011	0.0007	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0010	-0.0007	-0.0006	-0.0005	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000

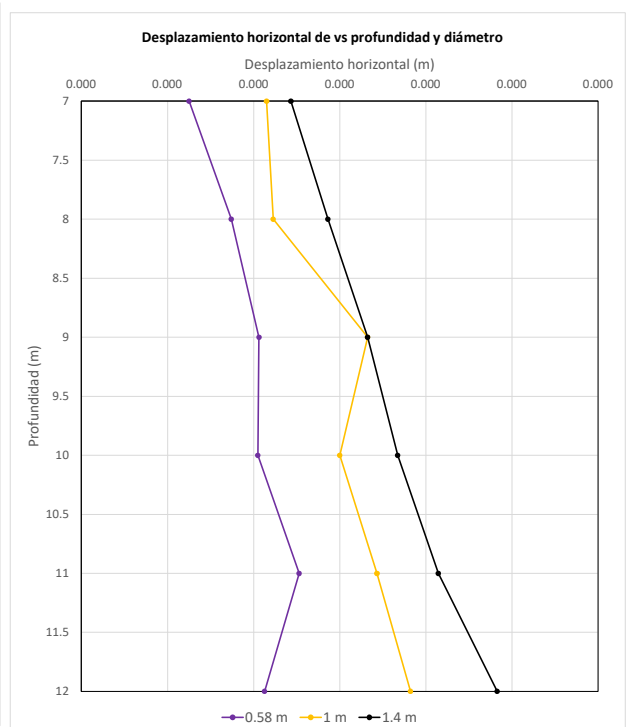
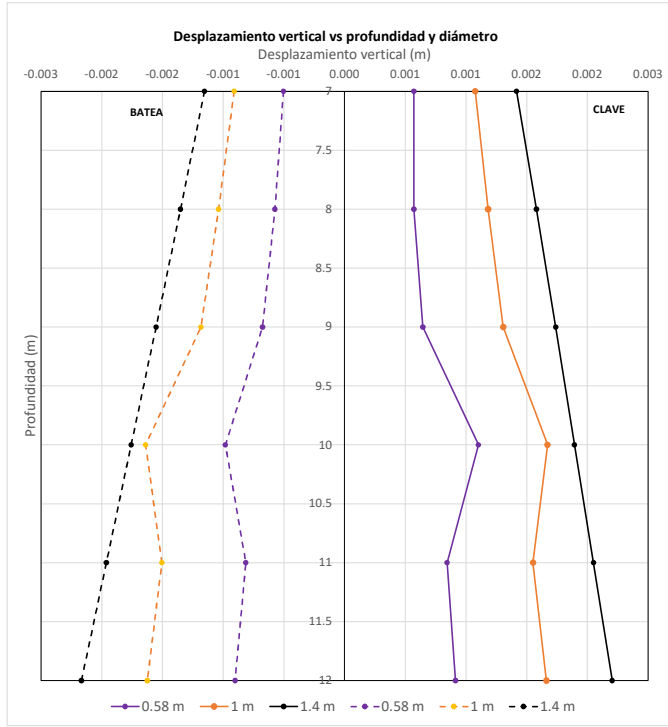


BATEA												CLAVE					PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF					
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m					
0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000					
0.0006	0.0006	0.0002	0.0000	0.0000	0.0000	-0.0006	-0.0005	-0.0002	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000					
0.0006	0.0006	0.0005	0.0005	0.0000	0.0000	-0.0006	-0.0005	-0.0005	-0.0004	0.0000	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000					
0.0006	0.0006	0.0005	0.0005	0.0004	0.0000	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000					
0.0006	0.0006	0.0005	0.0005	0.0004	0.0004	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000					
0.0006	0.0006	0.0005	0.0005	0.0004	0.0010	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	-0.0009	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000					
0.0006	0.0005	0.0005	0.0005	0.0012	0.0011	-0.0006	-0.0005	-0.0005	-0.0004	-0.0010	-0.0009	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000					
0.0006	0.0005	0.0010	0.0013	0.0012	0.0010	-0.0006	-0.0005	-0.0008	-0.0012	-0.0010	-0.0009	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000					
0.0006	0.0016	0.0014	0.0013	0.0012	0.0011	-0.0006	-0.0014	-0.0013	-0.0012	-0.0010	-0.0009	-0.0001	0.0001	0.0001	-0.0001	0.0000	0.0000					
0.0017	0.0015	0.0014	0.0013	0.0012	0.0011	-0.0016	-0.0015	-0.0013	-0.0012	-0.0010	-0.0009	0.0001	0.0001	0.0001	-0.0001	0.0000	0.0000					
0.0000	0.0015	0.0014	0.0013	0.0012	0.0011	0.0000	-0.0015	-0.0013	-0.0012	-0.0010	-0.0009	0.0000	0.0001	0.0001	-0.0001	0.0000	0.0000					
0.0000	0.0000	0.0017	0.0013	0.0012	0.0011	0.0000	0.0000	-0.0016	-0.0012	-0.0010	-0.0009	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000					
0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	0.0000	0.0000	0.0000	0.0000	-0.0010	-0.0009	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000					
0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000					
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000					
0.0017	0.0016	0.0017	0.0013	0.0012	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000					
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0016	-0.0015	-0.0016	-0.0012	-0.0010	-0.0009	-0.0001	-0.0001	-0.0001	-0.0001	0.0000	0.0000					



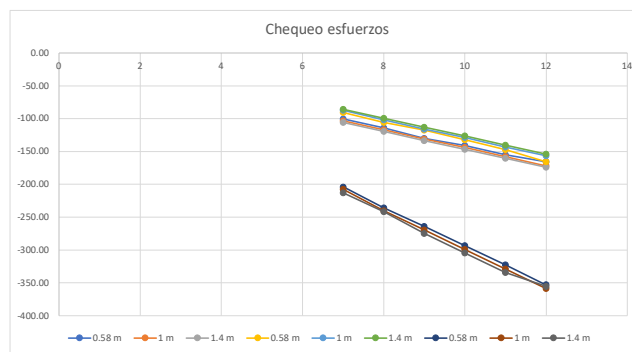
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	0.0004	0.0002	0.0000	0.0000	0.0000	-0.0005	-0.0004	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000
0.0005	0.0004	0.0004	0.0004	0.0000	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	0.0000	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000
0.0005	0.0004	0.0004	0.0004	0.0003	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000
0.0005	0.0004	0.0004	0.0004	0.0003	0.0003	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0002	-0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000
0.0005	0.0004	0.0004	0.0004	0.0003	0.0009	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0007	-0.0001	-0.0001	-0.0001	0.0000	0.0000	-0.0001
0.0005	0.0004	0.0004	0.0004	0.0010	0.0009	-0.0005	-0.0004	-0.0004	-0.0003	-0.0009	-0.0007	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0005	0.0004	0.0008	0.0011	0.0010	0.0009	-0.0005	-0.0004	-0.0007	-0.0010	-0.0009	-0.0007	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0004	0.0013	0.0012	0.0011	0.0010	0.0009	-0.0005	-0.0012	-0.0011	-0.0010	-0.0009	-0.0007	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0014	0.0013	0.0012	0.0011	0.0010	0.0009	-0.0014	-0.0013	-0.0011	-0.0010	-0.0009	-0.0007	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0022	0.0013	0.0012	0.0011	0.0010	0.0009	-0.0021	-0.0013	-0.0011	-0.0010	-0.0009	-0.0007	0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0022	0.0021	0.0015	0.0011	0.0010	0.0009	-0.0022	-0.0020	-0.0014	-0.0010	-0.0009	-0.0007	0.0001	0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0022	0.0020	0.0019	0.0017	0.0010	0.0009	-0.0022	-0.0020	-0.0018	-0.0015	-0.0009	-0.0007	0.0001	0.0001	0.0001	0.0001	-0.0001	-0.0001
0.0022	0.0020	0.0019	0.0017	0.0016	0.0009	-0.0022	-0.0020	-0.0018	-0.0016	-0.0013	-0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	-0.0001
0.0022	0.0020	0.0019	0.0017	0.0016	0.0014	-0.0022	-0.0020	-0.0018	-0.0016	-0.0014	-0.0012	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
0.0022	0.0021	0.0019	0.0017	0.0016	0.0014	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0022	-0.0020	-0.0018	-0.0016	-0.0014	-0.0012	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0006	0.0011	0.0014	-0.0005	-0.0009	-0.0012	0.0000	0.0000	0.0000
UE	8	0.0006	0.0012	0.0016	-0.0006	-0.0010	-0.0014	0.0000	0.0000	0.0001
UD	9	0.0006	0.0013	0.0017	-0.0007	-0.0012	-0.0016	0.0000	0.0001	0.0001
UC	10	0.0011	0.0017	0.0019	-0.0010	-0.0016	-0.0018	0.0000	0.0001	0.0001
UB	11	0.0008	0.0016	0.0021	-0.0008	-0.0015	-0.0020	0.0001	0.0001	0.0001
UA	12	0.0009	0.0017	0.0022	-0.0009	-0.0016	-0.0022	0.0000	0.0001	0.0001



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-165.4699	-226.2484	-206.0769	-186.4736	-165.8989	-146.0952	-165.47	-213.982	-193.745	-173.741	-153.309	-133.868	-353.029	-220.325	-200.528	-180.027	-160.412	-140.599												
11	2	-165.4724	-155.0716	-212.7862	-186.4848	-165.8992	-146.0948	-165.472	-147.317	-199.809	-173.753	-153.309	-133.868	-353.152	-322.687	-224.313	-180.038	-160.412	-140.599												
10	2	-165.4724	-155.0716	-212.7862	-186.4848	-165.8992	-146.0948	-165.472	-147.317	-199.809	-173.753	-153.309	-133.868	-353.152	-322.687	-224.313	-180.038	-160.412	-140.599												
9	3	-165.4726	-155.073	-141.0066	-130.1814	-165.9326	-146.094	-165.473	-147.319	-132.208	-117.262	-153.348	-133.867	-353.156	-322.714	-293.409	-264.168	-160.449	-140.598												
8	4	-165.4726	-155.0731	-141.0071	-130.1942	-114.0808	-146.4078	-165.473	-147.319	-132.209	-117.267	-105.522	-134.239	-353.156	-322.714	-278.411	-264.405	-236.074	-140.899												
7	5	-165.4726	-155.073	-141.0072	-130.1944	-114.0671	-100.2857	-165.473	-147.319	-132.209	-117.267	-105.509	-90.5889	-353.156	-322.715	-278.411	-264.401	-236.118	-203.92												
6																															
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15																															
		-165.5	-155.1	-141.0	-130.2	-114.1	-100.3	-165.5	-147.3	-132.2	-117.3	-105.5	-90.6	-353.0	-322.7	-293.4	-264.2	-236.1	-203.9												

		R2																	
		BATEA						CLAVE						PARED					
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m
1																			
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10																			
11																			
12																			
13																			
14																			
15																			
		-171.8	-157.7	-144.0	-131.0	-117.1	-103.2	-156.7	-143.0	-128.6	-115.7	-101.7	-87.2	-358.5	-328.8	-299.3	-269.4	-239.9	-207.6

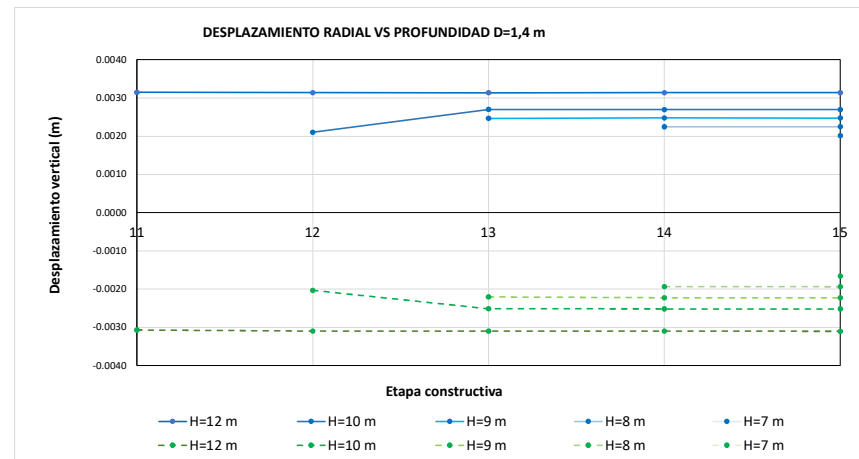
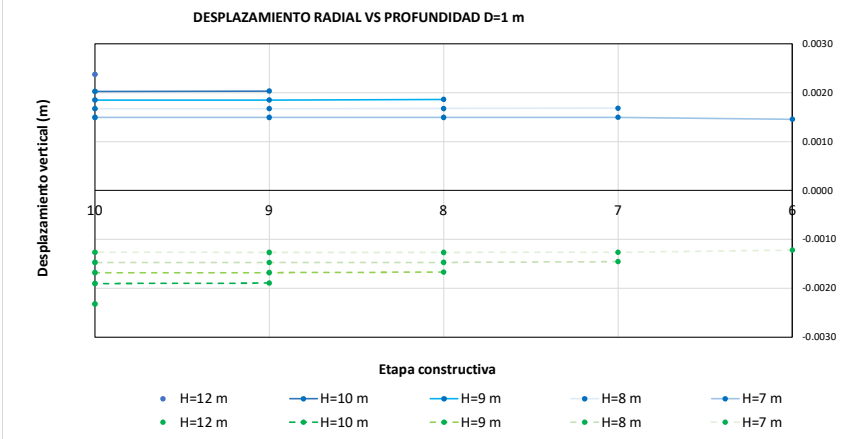
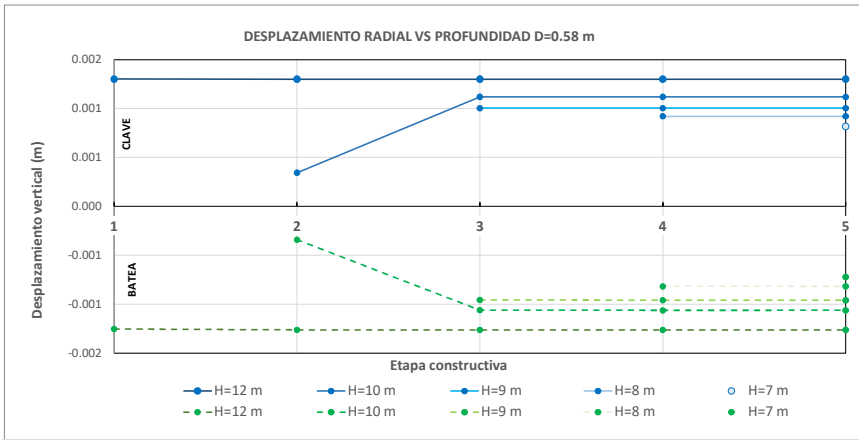


		12						11						10						9						8						7					
		R3																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD/	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
PROFUNDIDAD (m)		H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m												
1																																					
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10																																					
12	11	-174	-175.043	-160.346	-160.346	-130.725	-115.62	-153.972	-152.282	-136.946	-122.364	-107.358	-92.6078	-355.359	-265.584	-243.231	-218.609	-193.852	-169.087																		
11	12	-173.998	-160.453	-163.796	-163.796	-130.725	-115.62	-153.972	-140.603	-135.217	-122.372	-107.359	-92.6078	-355.735	-334.402	-271.39	-218.665	-193.853	-169.085																		
10	12	-173.998	-160.453	-146.727	-133.727	-130.743	-115.62	-153.973	-140.604	-126.041	-112.863	-107.383	-92.6083	-355.746	-334.489	-304.564	-274.116	-194.035	-169.083																		
9	13	-173.998	-160.453	-146.728	-133.727	-119.349	-115.776	-153.973	-140.604	-126.042	-112.866	-99.4619	-92.74	-355.746	-334.489	-304.574	-274.828	-241.703	-170.46																		
8	14	-173.998	-160.453	-146.728	-133.727	-119.349	-115.776	-153.973	-140.604	-126.042	-112.866	-99.4619	-92.74	-355.746	-334.489	-304.574	-274.828	-241.703	-170.46																		
7	15	-173.998	-160.453	-146.728	-133.727	-119.349	-105.736	-153.973	-140.604	-126.042	-112.866	-99.463	-85.7164	-355.746	-334.489	-304.573	-274.818	-241.779	-212.99																		
		-174.0	-160.5	-146.7	-133.7	-119.3	-105.7	-154.0	-140.6	-126.0	-112.9	-99.5	-85.7	-355.4	-334.4	-304.6	-274.8	-241.7	-213.0																		
	AQ	AR	AS	AT	AU	AV	AW	AX	AY																												
		BATEA			CLAVE			PARED																													
		0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m																											
7		-100.29	-103.24	-105.74	-90.59	-87.23	-85.72	-203.9	-207.6	-212.99																											
8		-114.08	-117.08	-119.35	-105.52	-101.74	-99.46	-236.1	-239.9	-241.70																											
9		-130.18	-130.98	-133.73	-117.26	-115.73	-112.87	-264.2	-269.4	-274.83																											
10		-141.01	-143.96	-146.73	-132.21	-128.61	-126.04	-293.4	-299.3	-304.56																											
11		-155.07	-157.73	-160.45	-147.32	-142.99	-140.60	-322.7	-328.8	-334.40																											
12		-165.47	-171.83	-174.00	-165.47	-156.67	-153.97	-353.0	-358.5	-355.36																											

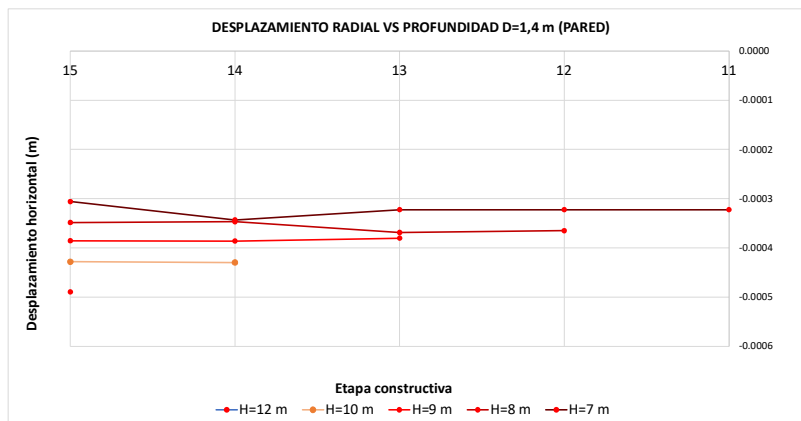
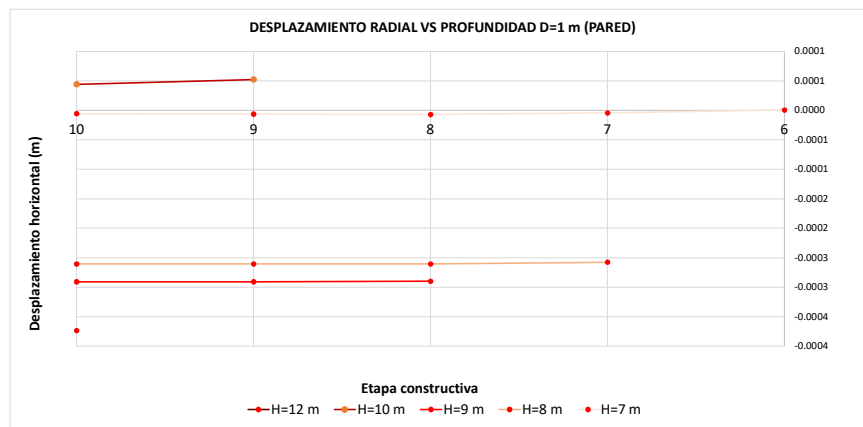
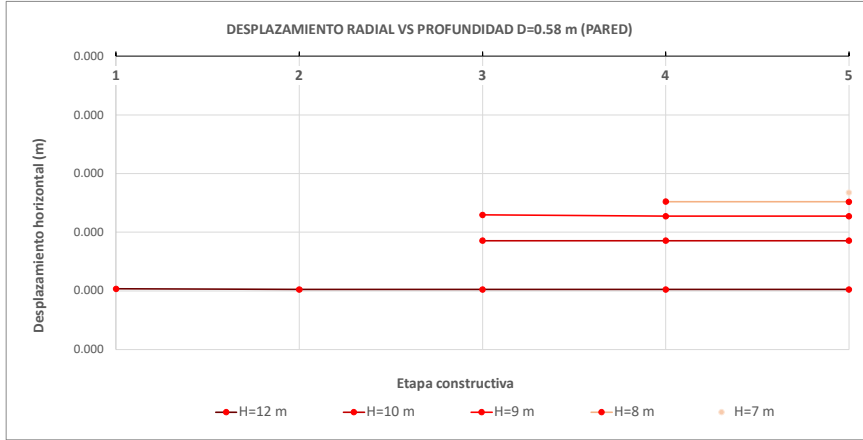
ANEXO 4.6

Resultados escenario E2 – Arena densa

PROFUNDIDAD ETAPA	BATEA						R1						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0013	0.0012	0.0003	0.0000	0.0000	0.0000	-0.0013	-0.0011	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0002	-0.0001	0.0000	0.0000	0.0000
3	0.0013	0.0012	0.0011	0.0010	0.0000	0.0000	-0.0013	-0.0012	-0.0011	-0.0010	0.0000	0.0000	-0.0002	-0.0002	-0.0002	-0.0001	0.0000	0.0000
4	0.0013	0.0012	0.0011	0.0010	0.0009	0.0000	-0.0013	-0.0012	-0.0011	-0.0010	-0.0008	0.0000	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001	0.0000
5	0.0013	0.0012	0.0011	0.0010	0.0009	0.0008	-0.0013	-0.0012	-0.0011	-0.0010	-0.0008	-0.0007	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001
6	0.0013	0.0012	0.0011	0.0010	0.0009	0.0000	-0.0013	-0.0012	-0.0011	-0.0010	-0.0008	0.0000	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001	0.0000
7	0.0013	0.0012	0.0011	0.0010	0.0000	0.0000	-0.0013	-0.0012	-0.0011	-0.0010	0.0000	0.0000	-0.0002	-0.0002	-0.0002	-0.0001	0.0000	0.0000
8	0.0013	0.0012	0.0016	0.0000	0.0000	0.0000	-0.0013	-0.0012	-0.0014	0.0000	0.0000	0.0000	-0.0002	-0.0002	-0.0003	0.0000	0.0000	0.0000
9	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0013	0.0012	0.0016	0.0010	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0013	-0.0012	-0.0014	-0.0010	-0.0008	-0.0007	-0.0002	-0.0002	-0.0003	-0.0001	-0.0001	-0.0001

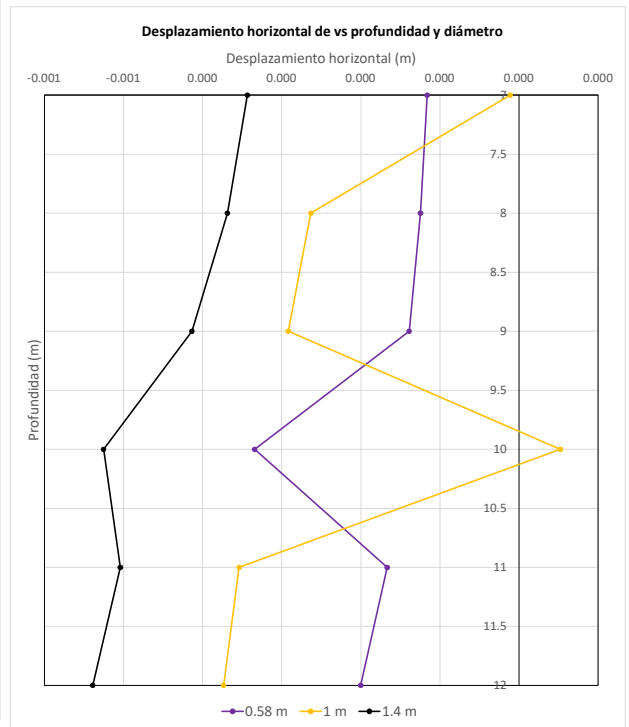
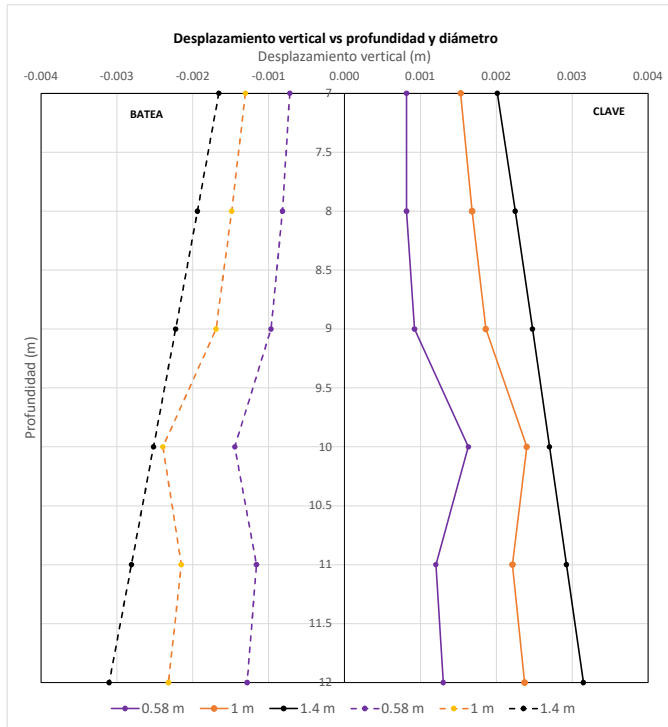


R2																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
0.0009	0.0008	0.0002	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0003	0.0000	0.0000	0.0000	-0.0003	-0.0002	0.0000	0.0000	0.0000	0.0000
0.0009	0.0008	0.0007	0.0007	0.0000	0.0000	-0.0009	-0.0008	-0.0007	-0.0006	0.0000	0.0000	-0.0003	-0.0002	0.0000	-0.0002	0.0000	0.0000
0.0009	0.0008	0.0007	0.0007	0.0006	0.0000	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	0.0000	-0.0003	-0.0002	0.0000	-0.0002	-0.0002	0.0000
0.0009	0.0008	0.0007	0.0007	0.0006	0.0005	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	-0.0005	-0.0003	-0.0002	0.0000	-0.0002	-0.0002	0.0000
0.0009	0.0008	0.0007	0.0007	0.0015	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	-0.0012	-0.0003	-0.0003	-0.0002	0.0000	-0.0002	-0.0002	0.0000
0.0009	0.0008	0.0007	0.0017	0.0015	-0.0009	-0.0008	-0.0007	-0.0006	-0.0015	-0.0013	-0.0003	-0.0002	0.0000	-0.0002	-0.0003	0.0000	0.0000
0.0009	0.0008	0.0015	0.0019	0.0017	0.0015	-0.0009	-0.0008	-0.0011	-0.0017	-0.0015	-0.0013	-0.0003	-0.0002	0.0000	-0.0003	-0.0003	0.0000
0.0009	0.0022	0.0020	0.0019	0.0017	0.0015	-0.0009	-0.0021	-0.0019	-0.0017	-0.0015	-0.0013	-0.0003	-0.0003	0.0001	-0.0003	-0.0003	0.0000
0.0024	0.0022	0.0020	0.0019	0.0017	0.0015	-0.0023	-0.0021	-0.0019	-0.0017	-0.0015	-0.0013	-0.0004	-0.0003	0.0000	-0.0003	-0.0003	0.0000
0.0000	0.0022	0.0020	0.0019	0.0017	0.0015	0.0000	-0.0022	-0.0019	-0.0017	-0.0015	-0.0013	0.0000	-0.0004	0.0000	-0.0003	-0.0003	0.0000
0.0000	0.0000	0.0024	0.0018	0.0017	0.0015	0.0000	0.0000	-0.0024	-0.0017	-0.0015	-0.0013	0.0000	0.0000	0.0000	-0.0003	-0.0003	0.0000
0.0000	0.0000	0.0000	0.0000	0.0017	0.0015	0.0000	0.0000	0.0000	0.0000	-0.0015	-0.0013	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0024	0.0022	0.0024	0.0019	0.0017	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0023	-0.0022	-0.0024	-0.0017	-0.0015	-0.0013	-0.0004	-0.0004	0.0000	-0.0003	-0.0003	0.0000



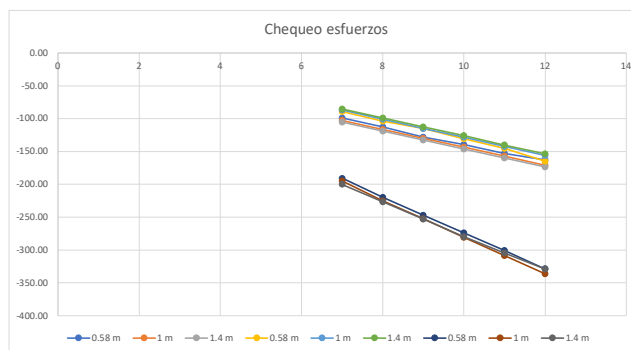
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	0.0006	0.0002	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0002	0.0000	0.0000	0.0000	-0.0002	-0.0002	-0.0001	0.0000	0.0000	0.0000
0.0007	0.0006	0.0006	0.0005	0.0000	0.0000	-0.0007	-0.0006	-0.0005	-0.0005	0.0000	0.0000	-0.0002	-0.0002	-0.0002	-0.0002	0.0000	0.0000
0.0007	0.0006	0.0006	0.0005	0.0005	0.0000	-0.0007	-0.0006	-0.0005	-0.0005	-0.0004	0.0000	-0.0002	-0.0002	-0.0002	-0.0002	-0.0001	0.0000
0.0007	0.0006	0.0006	0.0005	0.0005	0.0004	-0.0007	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	-0.0002	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001
0.0007	0.0006	0.0006	0.0005	0.0005	0.0013	-0.0007	-0.0006	-0.0005	-0.0005	-0.0004	-0.0010	-0.0002	-0.0002	-0.0002	-0.0001	-0.0003	
0.0007	0.0006	0.0006	0.0005	0.0014	0.0013	-0.0007	-0.0006	-0.0005	-0.0005	-0.0012	-0.0011	-0.0002	-0.0002	-0.0002	-0.0002	-0.0004	-0.0003
0.0007	0.0006	0.0011	0.0016	0.0014	0.0013	-0.0007	-0.0006	-0.0010	-0.0014	-0.0013	-0.0011	-0.0002	-0.0002	-0.0003	-0.0004	-0.0004	-0.0003
0.0007	0.0019	0.0017	0.0016	0.0014	0.0013	-0.0007	-0.0018	-0.0016	-0.0014	-0.0013	-0.0011	-0.0002	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003
0.0020	0.0019	0.0017	0.0016	0.0014	0.0013	-0.0020	-0.0018	-0.0016	-0.0014	-0.0013	-0.0011	-0.0005	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003
0.0031	0.0019	0.0017	0.0016	0.0014	0.0013	-0.0031	-0.0019	-0.0016	-0.0014	-0.0013	-0.0011	-0.0005	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003
0.0031	0.0029	0.0021	0.0016	0.0014	0.0013	-0.0031	-0.0028	-0.0020	-0.0015	-0.0013	-0.0011	-0.0005	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003
0.0031	0.0029	0.0027	0.0025	0.0014	0.0013	-0.0031	-0.0028	-0.0025	-0.0022	-0.0013	-0.0011	-0.0005	-0.0005	-0.0004	-0.0004	-0.0004	-0.0003
0.0031	0.0029	0.0027	0.0025	0.0022	0.0013	-0.0031	-0.0028	-0.0025	-0.0022	-0.0019	-0.0011	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003
0.0031	0.0029	0.0027	0.0025	0.0022	0.0020	-0.0031	-0.0028	-0.0025	-0.0022	-0.0019	-0.0017	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003
0.0031	0.0029	0.0027	0.0025	0.0022	0.0020	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0031	-0.0028	-0.0025	-0.0022	-0.0019	-0.0017	-0.0005	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0008	0.0015	0.0020	-0.0007	-0.0013	-0.0017	-0.0001	0.0000	-0.0003
UE	8	0.0008	0.0017	0.0022	-0.0008	-0.0015	-0.0019	-0.0001	-0.0003	-0.0004
UD	9	0.0009	0.0019	0.0025	-0.0010	-0.0017	-0.0022	-0.0001	-0.0003	-0.0004
UC	10	0.0016	0.0024	0.0027	-0.0014	-0.0024	-0.0025	-0.0003	0.0001	-0.0005
UB	11	0.0012	0.0022	0.0029	-0.0012	-0.0022	-0.0028	-0.0002	-0.0004	-0.0005
UA	12	0.0013	0.0024	0.0031	-0.0013	-0.0023	-0.0031	-0.0002	-0.0004	-0.0005



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-162.98	-214.9227	-195.772	-177.1495	-157.6045	-138.7914	-164.859	-203.27	-184.056	-165.053	-145.644	-127.174	-328.736	-209.296	-190.5	-171.025	-152.391	-133.569												
11	2	-162.978	-153.0698	-203.6348	-177.159	-157.6044	-138.7909	-164.864	-145.404	-189.847	-165.064	-145.644	-127.173	-328.85	-300.549	-210.676	-171.035	-152.391	-133.569												
10	2	-162.978	-153.0698	-203.6348	-177.159	-157.6044	-138.7909	-164.864	-145.404	-189.847	-165.064	-145.644	-127.173	-328.85	-300.549	-210.676	-171.035	-152.391	-133.569												
9	3	-162.9782	-153.0704	-139.4343	-127.9019	-157.6327	-138.79	-164.864	-145.405	-130.633	-115.243	-145.678	-127.172	-328.853	-300.574	-273.737	-247.236	-152.422	-133.568												
8	4	-162.9782	-153.0705	-139.4347	-127.907	-112.7145	-139.0426	-164.864	-145.405	-130.633	-115.239	-103.831	-127.495	-328.853	-300.573	-261.739	-247.455	-219.698	-133.815												
7	5	-162.9782	-153.0705	-139.4347	-127.9071	-112.7007	-98.78811	-164.864	-145.405	-130.633	-115.24	-103.818	-89.3546	-328.853	-300.573	-261.738	-247.452	-219.74	-190.755												
6																															
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15																															
		-163.0	-153.1	-139.4	-127.9	-112.7	-98.8	-164.9	-145.4	-130.6	-115.2	-103.8	-89.4	-328.7	-300.5	-273.7	-247.2	-219.7	-190.8												

		R2																	
		BATEA						CLAVE						PARED					
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m
1																			
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6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
		-170.9	-157.0	-143.3	-130.3	-116.5	-102.7	-155.8	-142.3	-127.9	-115.1	-100.9	-86.8	-336.0	-308.5	-280.5	-252.5	-225.0	-194.9

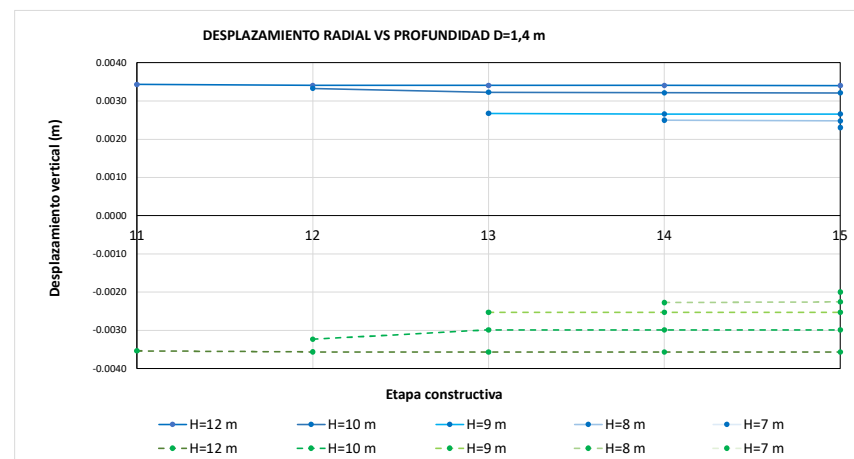
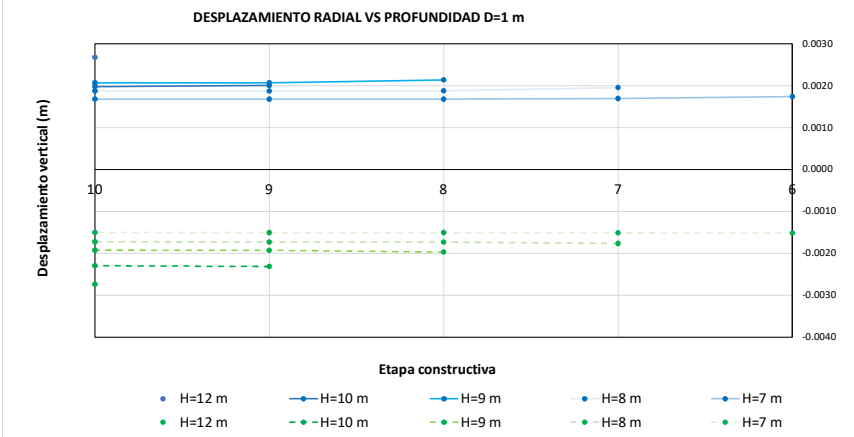
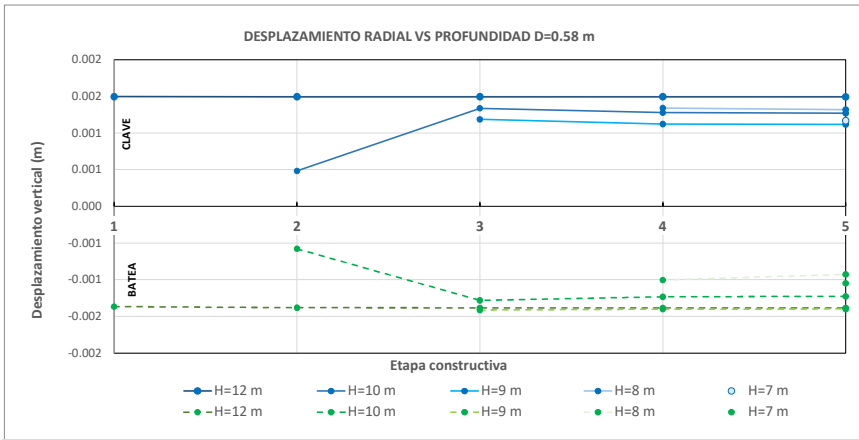


		12	11	10	9	8	7	12	11	10	9	8	7	12	11	10	9	8	7	
		BATEA						CLAVE						PARED						
PROFUNDIDAD/	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	
1																				
2																				
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3																				
4																				
5																				
6																				
7																				
8																				
9																				
9																				
10																				
12	11	-173.34	-168.99	-154.887	-140.767	-126.265	-111.68	-153.382	-146.971	-132.159	-118.097	-103.58	-89.3481	-328.96	-249.068	-228.043	-204.864	-181.588	-158.659	
11	12	-173.34	-159.848	-157.473	-140.768	-126.265	-111.68	-153.383	-140.063	-127.956	-118.1	-103.581	-89.3483	-326.39	-304.649	-252.65	-204.914	-181.588	-158.657	
10	12	-173.34	-159.848	-146.182	-132.385	-126.27	-111.68	-153.383	-140.064	-125.685	-112.448	-103.592	-89.3481	-325.309	-299.887	-279.566	-253.752	-181.749	-158.654	
9	13	-173.34	-159.848	-146.183	-132.381	-118.897	-111.735	-153.383	-140.064	-125.686	-112.447	-99.067	-89.4033	-324.959	-298.548	-276.866	-252.862	-226.528	-159.841	
8	14	-173.34	-159.848	-146.183	-132.381	-118.897	-111.735	-153.383	-140.064	-125.686	-112.447	-99.067	-89.4033	-324.959	-298.548	-276.866	-252.862	-226.528	-159.841	
7	15	-173.34	-159.848	-146.183	-132.382	-118.895	-105.337	-153.383	-140.064	-125.686	-112.447	-99.0664	-85.3835	-324.783	-297.941	-275.701	-252.205	-226.435	-200.137	
		-173.3	-159.8	-146.2	-132.4	-118.9	-105.3	-153.4	-140.1	-125.7	-112.4	-99.1	-85.4	-329.0	-304.6	-279.6	-252.9	-226.5	-200.1	
AQ	AR	AS	AT	AU	AV	AW	AX	AY												
BATEA		CLAVE		PARED																
7	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m											
8	-98.79	-102.73	-105.34	-89.35	-86.76	-85.38	-190.8	-194.9	-200.14											
9	-112.71	-116.45	-118.90	-103.83	-100.85	-99.07	-219.7	-225.0	-226.53											
10	-127.90	-130.29	-132.38	-115.24	-115.09	-112.45	-247.2	-252.5	-252.86											
11	-139.43	-143.28	-146.18	-130.63	-127.92	-125.69	-273.7	-280.5	-279.57											
12	-153.07	-156.99	-159.85	-145.40	-142.28	-140.06	-300.5	-308.5	-304.65											
	-162.98	-170.94	-173.34	-164.86	-155.84	-153.38	-328.7	-336.0	-328.96											

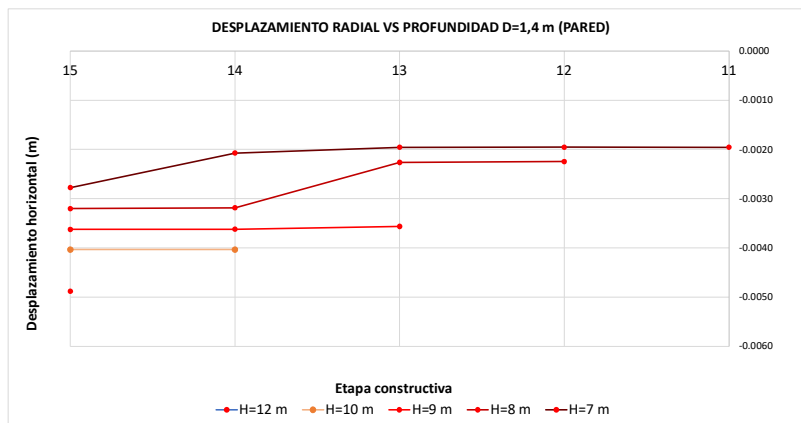
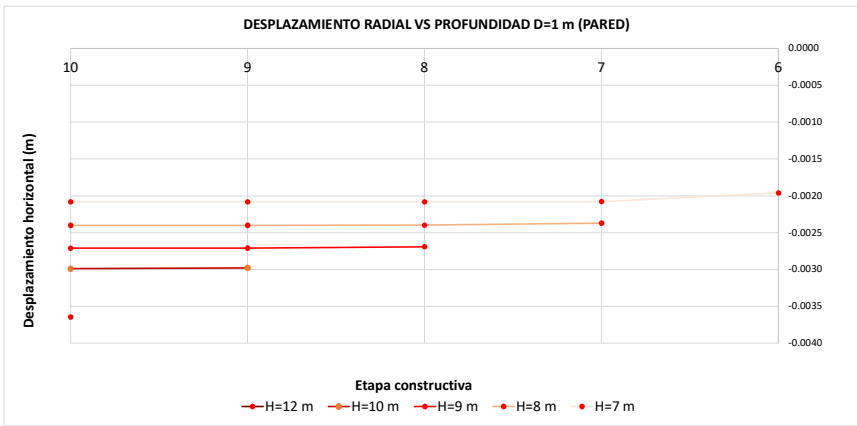
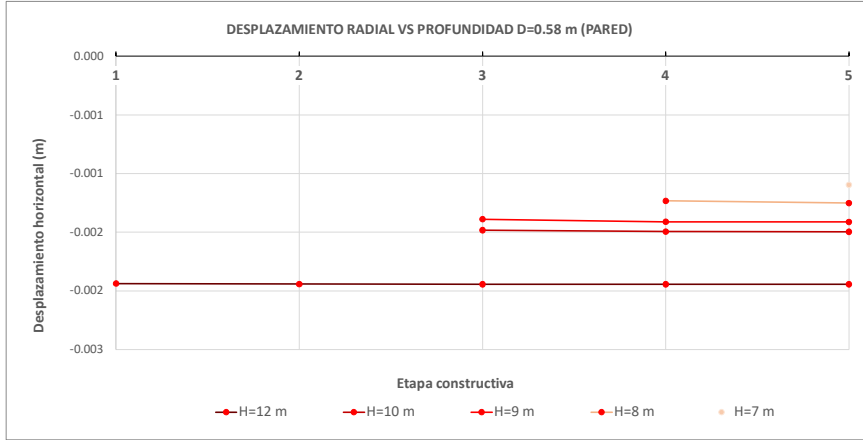
ANEXO 4.7

Resultados escenario E3 – Arena suelta

PROFUNDIDAD ETAPA	BATEA						CLAVE						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0019	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0015	0.0014	0.0005	0.0000	0.0000	0.0000	-0.0014	-0.0014	-0.0006	0.0000	0.0000	0.0000	-0.0019	-0.0017	-0.0004	0.0000	0.0000	0.0000
3	0.0015	0.0014	0.0013	0.0012	0.0000	0.0000	-0.0014	-0.0014	-0.0013	-0.0014	0.0000	0.0000	-0.0019	-0.0017	-0.0015	-0.0014	0.0000	0.0000
4	0.0015	0.0014	0.0013	0.0011	0.0013	0.0000	-0.0014	-0.0014	-0.0012	-0.0014	-0.0010	0.0000	-0.0019	-0.0017	-0.0015	-0.0014	-0.0012	0.0000
5	0.0015	0.0014	0.0013	0.0011	0.0013	0.0012	-0.0014	-0.0014	-0.0012	-0.0014	-0.0009	0.0000	-0.0019	-0.0017	-0.0015	-0.0014	-0.0013	-0.0011
6	0.0015	0.0014	0.0013	0.0011	0.0013	0.0000	-0.0014	-0.0014	-0.0012	-0.0014	-0.0009	0.0000	-0.0019	-0.0017	-0.0015	-0.0014	-0.0013	0.0000
7	0.0015	0.0014	0.0013	0.0011	0.0000	0.0000	-0.0014	-0.0014	-0.0012	-0.0014	0.0000	0.0000	-0.0019	-0.0017	-0.0015	-0.0014	0.0000	0.0000
8	0.0015	0.0014	0.0024	0.0000	0.0000	0.0000	-0.0014	-0.0014	-0.0020	0.0000	0.0000	0.0000	-0.0019	-0.0017	-0.0020	0.0000	0.0000	0.0000
9	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0020	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0015	0.0014	0.0024	0.0012	0.0013	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0014	-0.0014	-0.0020	-0.0014	-0.0010	-0.0010	-0.0020	-0.0017	-0.0020	-0.0014	-0.0013	-0.0011

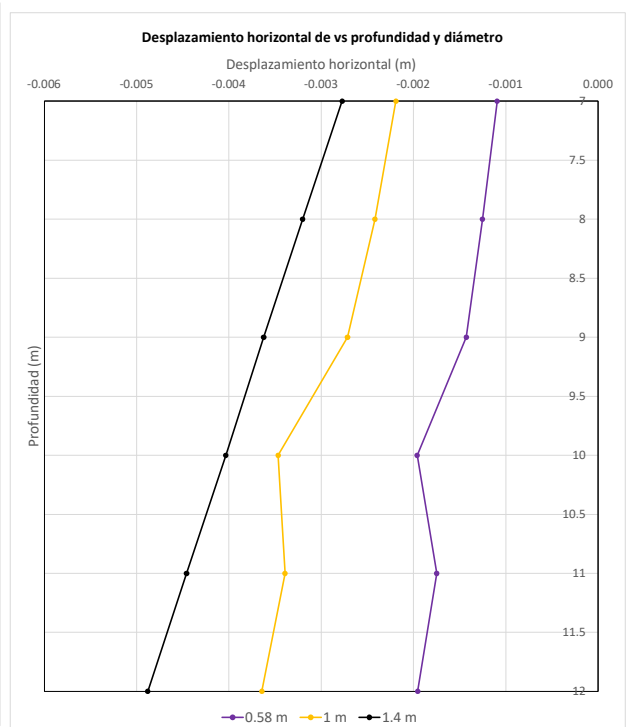
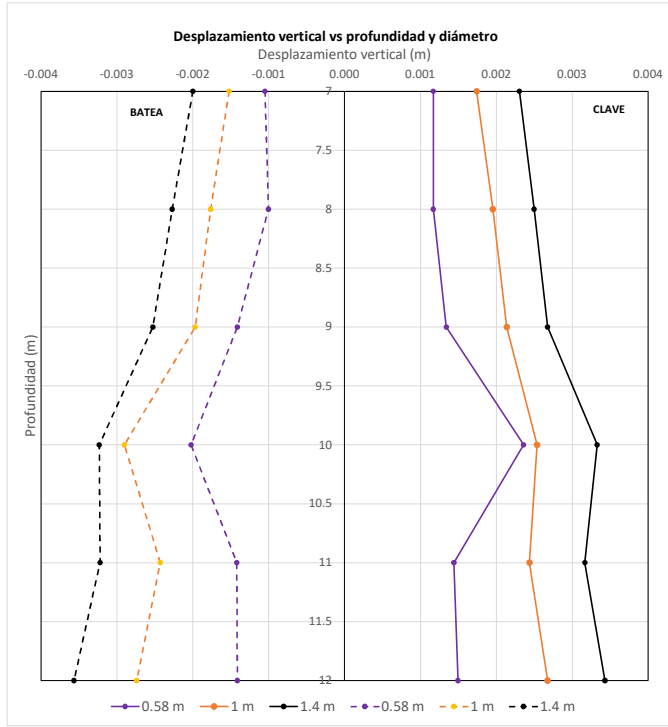


BATEA												CLAVE					PARED				
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF				
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m				
0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0015	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0016	0.0014	0.0004	0.0000	0.0000	0.0000	-0.0016	-0.0014	-0.0006	0.0000	0.0000	0.0000	-0.0015	-0.0013	-0.0005	0.0000	0.0000	0.0000				
0.0016	0.0014	0.0013	0.0012	0.0000	0.0000	-0.0016	-0.0014	-0.0013	-0.0011	0.0000	0.0000	-0.0015	-0.0014	-0.0012	-0.0011	0.0000	0.0000				
0.0016	0.0014	0.0013	0.0012	0.0010	0.0000	-0.0016	-0.0014	-0.0013	-0.0011	-0.0010	0.0000	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	0.0000				
0.0016	0.0014	0.0013	0.0012	0.0010	0.0009	-0.0016	-0.0014	-0.0013	-0.0011	-0.0010	-0.0008	-0.0015	-0.0014	-0.0013	-0.0011	-0.0010	-0.0008				
0.0016	0.0014	0.0013	0.0012	0.0010	0.0017	-0.0016	-0.0014	-0.0013	-0.0011	-0.0010	-0.0015	-0.0015	-0.0014	-0.0013	-0.0011	-0.0010	-0.0020				
0.0016	0.0014	0.0013	0.0012	0.0020	0.0017	-0.0016	-0.0014	-0.0013	-0.0012	-0.0018	-0.0015	-0.0015	-0.0014	-0.0013	-0.0011	-0.0024	-0.0021				
0.0016	0.0014	0.0019	0.0021	0.0019	0.0017	-0.0016	-0.0014	-0.0020	-0.0020	-0.0017	-0.0015	-0.0015	-0.0014	-0.0019	-0.0027	-0.0024	-0.0021				
0.0016	0.0024	0.0020	0.0021	0.0019	0.0017	-0.0016	-0.0024	-0.0023	-0.0019	-0.0017	-0.0015	-0.0015	-0.0033	-0.0030	-0.0027	-0.0024	-0.0021				
0.0027	0.0023	0.0020	0.0021	0.0019	0.0017	-0.0027	-0.0024	-0.0023	-0.0019	-0.0017	-0.0015	-0.0036	-0.0033	-0.0030	-0.0027	-0.0024	-0.0021				
0.0000	0.0023	0.0020	0.0021	0.0019	0.0017	0.0000	-0.0024	-0.0023	-0.0019	-0.0017	-0.0015	0.0000	-0.0034	-0.0030	-0.0027	-0.0024	-0.0021				
0.0000	0.0000	0.0025	0.0021	0.0019	0.0017	0.0000	0.0000	0.0000	-0.0029	-0.0019	-0.0017	-0.0015	0.0000	0.0000	-0.0035	-0.0027	-0.0024	-0.0021			
0.0000	0.0000	0.0000	0.0000	0.0019	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0017	-0.0015	0.0000	0.0000	0.0000	-0.0024	-0.0021				
0.0000	0.0000	0.0000	0.0000	0.0000	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0015	-0.0015	0.0000	0.0000	0.0000	0.0000	-0.0022				
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0027	0.0024	0.0025	0.0021	0.0020	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0027	-0.0024	-0.0029	-0.0020	-0.0018	-0.0015	-0.0036	-0.0034	-0.0035	-0.0027	-0.0024	-0.0022				

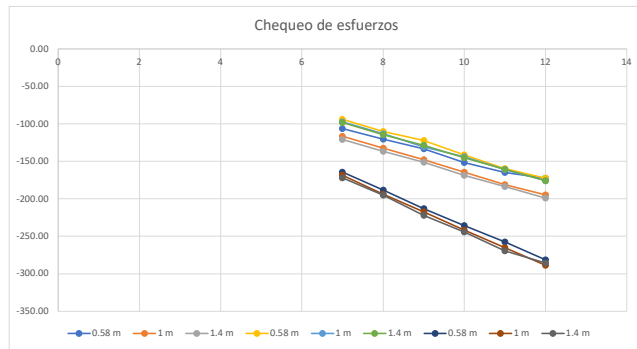


R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0012	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	0.0011	0.0004	0.0000	0.0000	0.0000	-0.0012	-0.0011	-0.0004	0.0000	0.0000	0.0000	-0.0012	-0.0011	-0.0004	0.0000	0.0000	0.0000
0.0012	0.0011	0.0010	0.0009	0.0000	0.0000	-0.0012	-0.0011	-0.0010	-0.0009	0.0000	0.0000	-0.0012	-0.0011	-0.0010	-0.0009	0.0000	0.0000
0.0012	0.0011	0.0010	0.0009	0.0008	0.0000	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	0.0000	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	0.0000
0.0012	0.0011	0.0010	0.0009	0.0008	0.0007	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007
0.0012	0.0011	0.0010	0.0009	0.0008	0.0020	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	-0.0018	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	-0.0018
0.0012	0.0011	0.0010	0.0009	0.0024	0.0021	-0.0012	-0.0011	-0.0010	-0.0009	-0.0022	-0.0019	-0.0012	-0.0011	-0.0010	-0.0009	-0.0022	-0.0020
0.0012	0.0011	0.0022	0.0026	0.0024	0.0021	-0.0012	-0.0011	-0.0019	-0.0025	-0.0022	-0.0019	-0.0012	-0.0011	-0.0017	-0.0025	-0.0022	-0.0020
0.0012	0.0031	0.0029	0.0026	0.0024	0.0021	-0.0013	-0.0030	-0.0028	-0.0025	-0.0022	-0.0019	-0.0012	-0.0031	-0.0028	-0.0025	-0.0022	-0.0020
0.0034	0.0031	0.0029	0.0026	0.0024	0.0021	-0.0034	-0.0031	-0.0028	-0.0025	-0.0022	-0.0019	-0.0034	-0.0031	-0.0028	-0.0025	-0.0022	-0.0020
0.0034	0.0031	0.0029	0.0026	0.0024	0.0021	-0.0035	-0.0032	-0.0028	-0.0025	-0.0022	-0.0019	-0.0048	-0.0032	-0.0028	-0.0025	-0.0022	-0.0020
0.0034	0.0032	0.0033	0.0026	0.0024	0.0021	-0.0036	-0.0032	-0.0032	-0.0025	-0.0022	-0.0019	-0.0049	-0.0044	-0.0033	-0.0026	-0.0022	-0.0020
0.0034	0.0031	0.0032	0.0027	0.0023	0.0021	-0.0036	-0.0032	-0.0030	-0.0025	-0.0022	-0.0019	-0.0049	-0.0045	-0.0040	-0.0036	-0.0023	-0.0020
0.0034	0.0031	0.0032	0.0027	0.0025	0.0022	-0.0036	-0.0032	-0.0030	-0.0025	-0.0023	-0.0020	-0.0049	-0.0045	-0.0040	-0.0036	-0.0032	-0.0021
0.0034	0.0031	0.0032	0.0027	0.0025	0.0023	-0.0036	-0.0032	-0.0030	-0.0025	-0.0023	-0.0020	-0.0049	-0.0045	-0.0040	-0.0036	-0.0032	-0.0028
0.0034	0.0032	0.0033	0.0027	0.0025	0.0023	-0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0012	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0036	-0.0032	-0.0032	-0.0025	-0.0023	-0.0020	-0.0049	-0.0045	-0.0040	-0.0036	-0.0032	-0.0028

	BATEA			CLAVE			PARED		
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m
UF 7	0.0012	0.0017	0.0023	-0.0010	-0.0015	-0.0020	-0.0011	-0.0022	-0.0028
UE 8	0.0012	0.0020	0.0025	-0.0010	-0.0018	-0.0023	-0.0013	-0.0024	-0.0032
UD 9	0.0013	0.0021	0.0027	-0.0014	-0.0020	-0.0025	-0.0014	-0.0027	-0.0036
UC 10	0.0024	0.0025	0.0033	-0.0020	-0.0029	-0.0032	-0.0020	-0.0035	-0.0040
UB 11	0.0014	0.0024	0.0032	-0.0014	-0.0024	-0.0032	-0.0017	-0.0034	-0.0045
UA 12	0.0015	0.0027	0.0034	-0.0014	-0.0027	-0.0036	-0.0020	-0.0036	-0.0049



		12						11						8						9						8						7					
		R1																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-172.6817	-203.5604	-185.4647	-167.8247	-149.31	-131.4876	-172.682	-192.525	-174.365	-156.365	-137.979	-120.479	-281.5	-198.232	-180.471	-162.023	-144.371	-126.539																		
11	2	-172.6232	-164.7421	-197.1826	-167.829	-149.3095	-131.4871	-161.956	-159.922	-182.944	-156.37	-137.979	-120.479	-281.551	-257.506	-185.166	-162.028	-144.37	-126.539																		
10	2	-172.6232	-164.7421	-197.1826	-167.829	-149.3095	-131.4871	-161.956	-159.922	-182.944	-156.37	-137.979	-120.479	-281.551	-257.506	-185.166	-162.028	-144.37	-126.539																		
9	3	-172.6251	-166.2601	-152.5152	-133.373	-149.3217	-131.4859	-161.962	-161.513	-145.961	-122.209	-137.997	-120.478	-281.549	-257.536	-235.596	-213.211	-144.385	-126.537																		
8	4	-172.6253	-166.3781	-151.7021	-133.373	-120.5931	-131.5633	-161.963	-161.678	-141.385	-120.465	-110.039	-120.658	-281.548	-257.537	-235.596	-213.409	-188.352	-126.63																		
7	5	-172.6254	-166.3885	-151.7021	-133.3741	-123.0099	-106.3064	-161.963	-161.695	-141.385	-120.566	-106.039	-94.1995	-281.548	-257.538	-235.596	-213.413	-188.45	-164.459																		
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		-172.7	-164.7	-151.7	-133.4	-120.6	-106.3	-172.7	-159.9	-141.4	-122.2	-110.0	-94.2	-281.5	-257.5	-235.6	-213.2	-188.4	-164.5																		

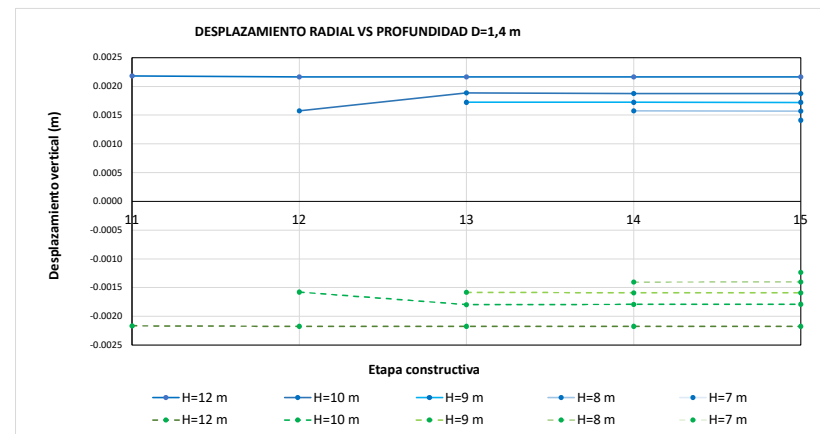
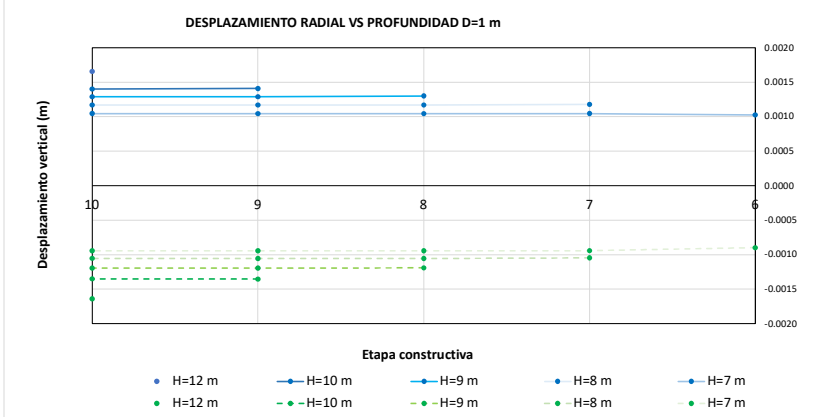
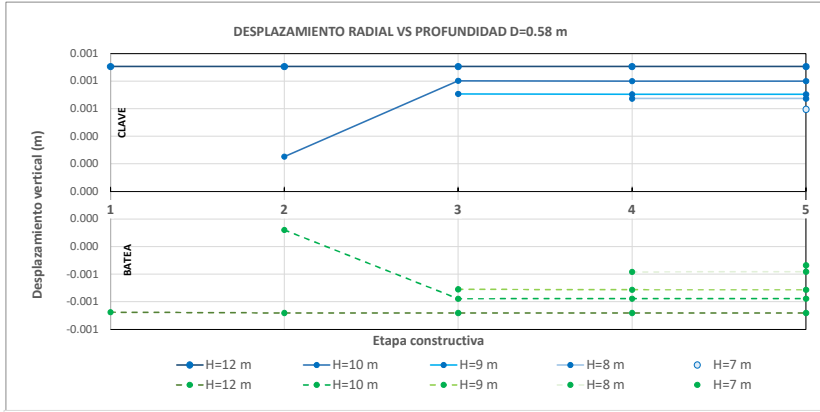


		12						11						10						9						8						7					
		R2																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m																		
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		-195.939	-181.115	-164.317	-150.067	-135.21	-116.592	-177.21	-162.702	-145.58	-132.083	-116.174	-97.5076	-223.967	-206.085	-185.234	-167.475	-149.735	-168.52																		
		-195.94	-181.115	-164.311	-149.975	-132.364	-117.32	-177.21	-162.702	-145.573	-131.966	-113.455	-98.1806	-223.967	-206.084	-185.233	-167.573	-193.859	-169.902																		
		-195.94	-181.115	-151.342	-147.793	-132.988	-117.472	-177.21	-162.685	-139.612	-130.898	-114.103	-98.2227	-223.967	-206.095	-189.676	-217.332	-194.082	-169.909																		
		-195.9	-181.115	-164.311	-148.017	-133.037	-117.485	-177.166	-160.935	-143.977	-131.443	-114.095	-98.2256	-224.017	-265.36	-241.641	-217.428	-194.085	-169.906																		
		-195.9	-181.115	-164.311	-148.017	-133.037	-117.485	-177.166	-160.935	-143.977	-131.443	-114.095	-98.2256	-224.017	-265.36	-241.641	-217.428	-194.085	-169.906																		
		-194.768	-181.115	-156.872	-148.036	-133.038	-117.485	-175.725	-161.394	-143.584	-131.472	-114.094	-98.2259	-288.454	-265.907	-222.695	-217.427	-194.081	-169.904																		
		-194.8	-181.1	-164.3	-147.8	-132.4	-116.6	-175.7	-160.9	-144.0	-130.9	-113.5	-97.5	-288.5	-265.4	-241.6	-217.3	-193.9	-168.5																		

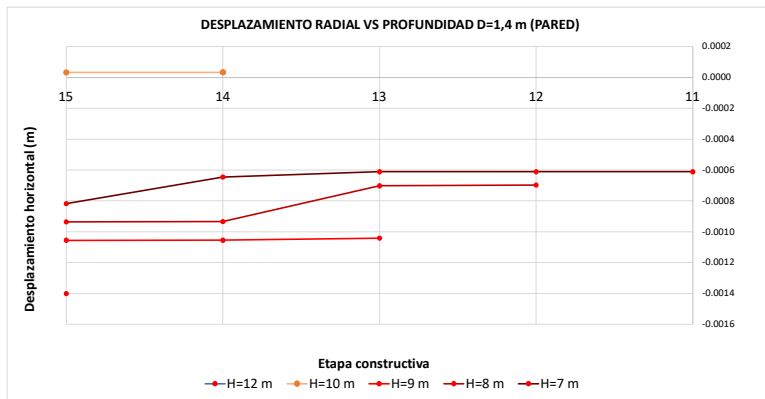
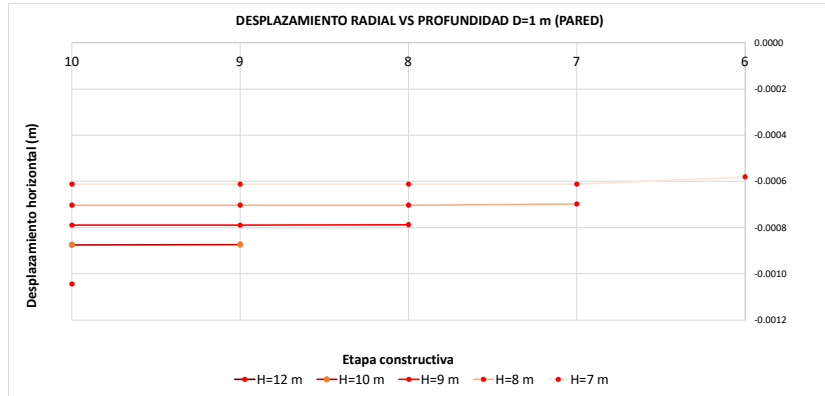
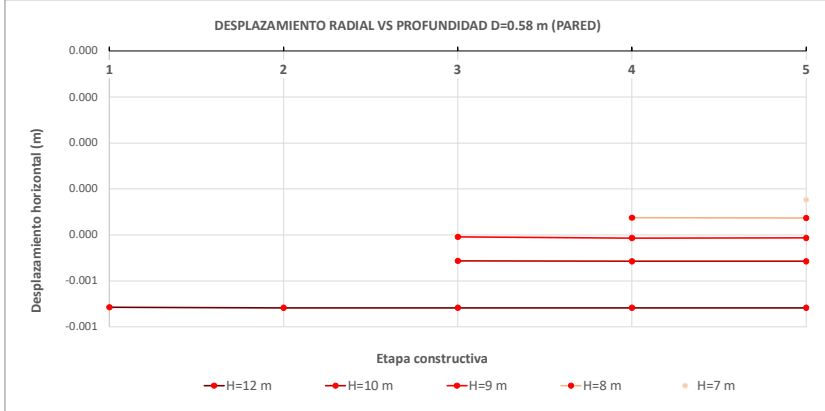
ANEXO 4.8

Resultados escenario E3 – Arena media

PROFUNDIDAD	R1																	
	BATEA					CLAVE					PARED							
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
1	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0009	0.0008	0.0003	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0003	0.0000	0.0000	0.0000	-0.0006	-0.0005	-0.0001	0.0000	0.0000	0.0000
3	0.0009	0.0008	0.0008	0.0007	0.0000	0.0000	-0.0009	-0.0008	-0.0008	-0.0007	0.0000	0.0000	-0.0006	-0.0005	-0.0005	-0.0004	0.0000	0.0000
4	0.0009	0.0008	0.0008	0.0007	0.0007	0.0000	-0.0009	-0.0008	-0.0008	-0.0007	-0.0006	0.0000	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	0.0000
5	0.0009	0.0008	0.0008	0.0007	0.0007	0.0006	-0.0009	-0.0008	-0.0008	-0.0007	-0.0006	-0.0005	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003
6	0.0009	0.0008	0.0008	0.0007	0.0007	0.0000	-0.0009	-0.0008	-0.0008	-0.0007	-0.0006	0.0000	-0.0006	-0.0005	-0.0005	-0.0004	-0.0004	0.0000
7	0.0009	0.0008	0.0008	0.0007	0.0000	0.0000	-0.0009	-0.0008	-0.0008	-0.0007	0.0000	0.0000	-0.0006	-0.0005	-0.0005	-0.0004	0.0000	0.0000
8	0.0009	0.0008	0.0013	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0012	0.0000	0.0000	0.0000	-0.0006	-0.0005	-0.0006	0.0000	0.0000	0.0000
9	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0009	0.0008	0.0013	0.0007	0.0007	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0009	-0.0008	-0.0012	-0.0007	-0.0006	-0.0005	-0.0006	-0.0005	-0.0006	-0.0004	-0.0004	-0.0003

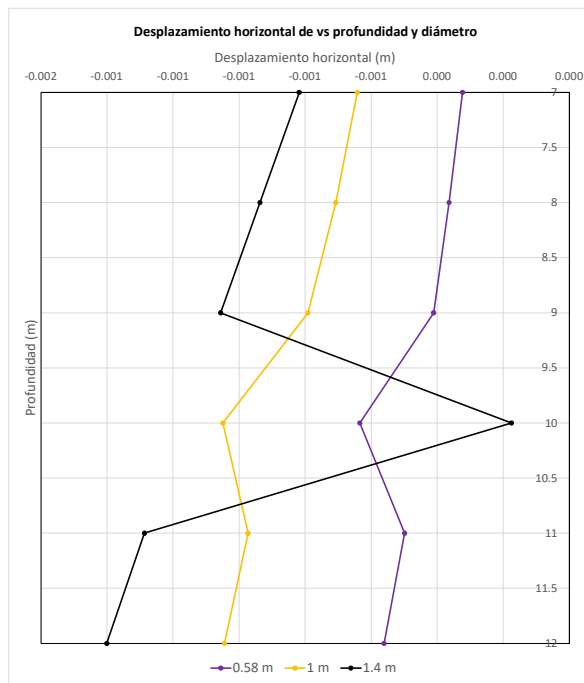
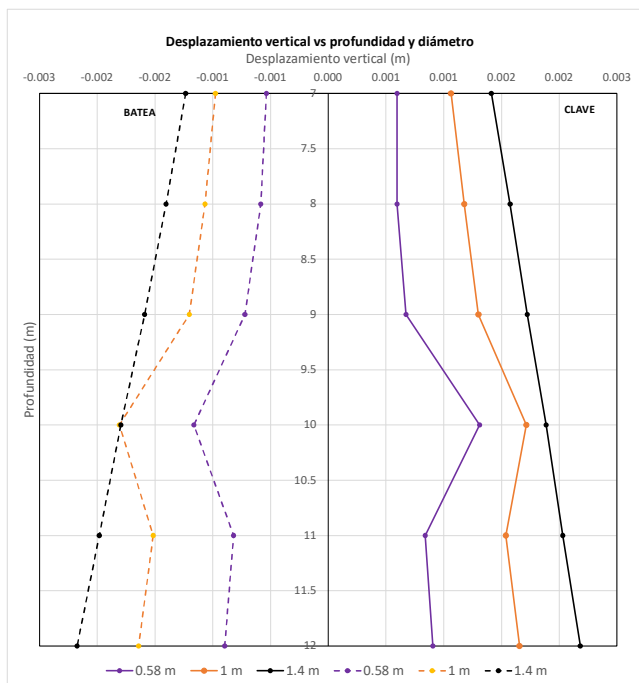


BATEA												CLAVE					PARED				
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF				
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m				
0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000	0.0000					
0.0007	0.0006	0.0002	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0002	0.0000	0.0000	0.0000	-0.0005	-0.0004	-0.0002	0.0000	0.0000					
0.0007	0.0006	0.0006	0.0005	0.0000	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	0.0000	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	0.0000					
0.0007	0.0006	0.0006	0.0005	0.0005	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	0.0000					
0.0007	0.0006	0.0006	0.0005	0.0005	0.0004	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	-0.0004	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003					
0.0007	0.0006	0.0006	0.0005	0.0005	0.0010	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	-0.0009	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003					
0.0007	0.0006	0.0006	0.0005	0.0012	0.0010	-0.0007	-0.0006	-0.0006	-0.0005	-0.0010	-0.0009	-0.0005	-0.0004	-0.0004	-0.0003	-0.0007					
0.0007	0.0006	0.0011	0.0013	0.0012	0.0010	-0.0007	-0.0006	-0.0009	-0.0012	-0.0011	-0.0009	-0.0005	-0.0004	-0.0006	-0.0008	-0.0007					
0.0007	0.0015	0.0014	0.0013	0.0012	0.0010	-0.0007	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	-0.0005	-0.0009	-0.0009	-0.0008	-0.0007					
0.0017	0.0015	0.0014	0.0013	0.0012	0.0010	-0.0016	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	-0.0010	-0.0010	-0.0009	-0.0008	-0.0007					
0.0000	0.0015	0.0014	0.0013	0.0012	0.0010	0.0000	-0.0015	-0.0014	-0.0012	-0.0011	-0.0009	0.0000	-0.0010	-0.0009	-0.0008	-0.0007					
0.0000	0.0000	0.0017	0.0013	0.0012	0.0010	0.0000	0.0000	-0.0018	-0.0012	-0.0011	-0.0009	0.0000	0.0000	-0.0010	-0.0008	-0.0007					
0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	0.0000	0.0000	0.0000	0.0000	-0.0011	-0.0009	0.0000	0.0000	0.0000	0.0000	-0.0007					
0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0010	0.0000	0.0000	0.0000	0.0000	-0.0006					
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
0.0017	0.0015	0.0017	0.0013	0.0012	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0016	-0.0015	-0.0018	-0.0012	-0.0011	-0.0010	-0.0010	-0.0010	-0.0010	-0.0008	-0.0007					



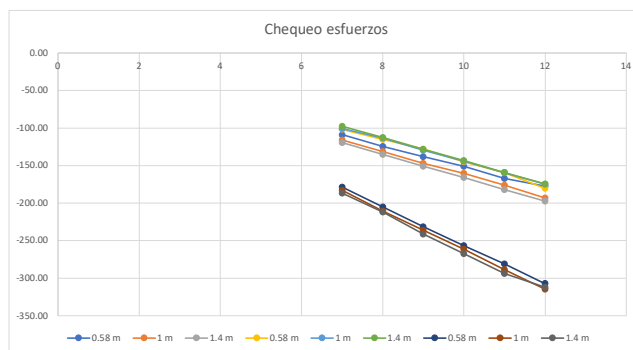
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	0.0005	0.0002	0.0000	0.0000	0.0000	-0.0005	-0.0005	-0.0002	0.0000	0.0000	0.0000	-0.0004	-0.0003	0.0001	0.0000	0.0000	0.0000
0.0005	0.0005	0.0004	0.0004	0.0000	0.0000	-0.0005	-0.0005	-0.0004	-0.0004	0.0000	0.0000	-0.0004	-0.0003	0.0000	-0.0003	0.0000	0.0000
0.0005	0.0005	0.0004	0.0004	0.0004	0.0000	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	0.0000	-0.0004	-0.0003	0.0000	-0.0003	-0.0002	0.0000
0.0005	0.0005	0.0004	0.0004	0.0004	0.0003	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0004	-0.0003	0.0000	-0.0003	-0.0002	-0.0002
0.0005	0.0005	0.0004	0.0004	0.0004	0.0009	-0.0005	-0.0005	-0.0004	-0.0004	-0.0003	-0.0008	-0.0004	-0.0003	0.0000	-0.0003	-0.0002	-0.0006
0.0005	0.0005	0.0004	0.0004	0.0011	0.0010	-0.0005	-0.0005	-0.0004	-0.0004	-0.0010	-0.0008	-0.0004	-0.0003	0.0000	-0.0003	-0.0007	-0.0006
0.0005	0.0005	0.0009	0.0012	0.0011	0.0010	-0.0005	-0.0005	-0.0008	-0.0011	-0.0010	-0.0008	-0.0004	-0.0003	-0.0002	-0.0008	-0.0007	-0.0006
0.0005	0.0014	0.0013	0.0012	0.0011	0.0010	-0.0005	-0.0014	-0.0013	-0.0011	-0.0010	-0.0008	-0.0004	-0.0009	0.0000	-0.0008	-0.0007	-0.0006
0.0015	0.0014	0.0013	0.0012	0.0011	0.0010	-0.0015	-0.0014	-0.0013	-0.0011	-0.0010	-0.0008	-0.0010	-0.0010	0.0000	-0.0008	-0.0007	-0.0006
0.0022	0.0014	0.0013	0.0012	0.0011	0.0010	-0.0022	-0.0014	-0.0013	-0.0011	-0.0010	-0.0008	-0.0014	-0.0010	0.0000	-0.0008	-0.0007	-0.0006
0.0022	0.0020	0.0016	0.0012	0.0011	0.0010	-0.0022	-0.0020	-0.0016	-0.0011	-0.0010	-0.0008	-0.0014	-0.0013	0.0002	-0.0008	-0.0007	-0.0006
0.0022	0.0020	0.0019	0.0017	0.0011	0.0010	-0.0022	-0.0020	-0.0018	-0.0016	-0.0010	-0.0008	-0.0014	-0.0013	0.0000	-0.0010	-0.0007	-0.0006
0.0022	0.0020	0.0019	0.0017	0.0016	0.0010	-0.0022	-0.0020	-0.0018	-0.0016	-0.0014	-0.0009	-0.0014	-0.0013	0.0000	-0.0011	-0.0009	-0.0006
0.0022	0.0020	0.0019	0.0017	0.0016	0.0014	-0.0022	-0.0020	-0.0018	-0.0016	-0.0014	-0.0012	-0.0014	-0.0013	0.0000	-0.0011	-0.0009	-0.0008
0.0022	0.0020	0.0019	0.0017	0.0016	0.0014	-0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0004	0.0000	0.0002	0.0000	0.0000	0.0000
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0022	-0.0020	-0.0018	-0.0016	-0.0014	-0.0012	-0.0014	-0.0013	-0.0002	-0.0011	-0.0009	-0.0008

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0006	0.0011	0.0014	-0.0005	-0.0010	-0.0012	-0.0003	-0.0006	-0.0008
UE	8	0.0006	0.0012	0.0016	-0.0006	-0.0011	-0.0014	-0.0004	-0.0007	-0.0009
UD	9	0.0007	0.0013	0.0017	-0.0007	-0.0012	-0.0016	-0.0004	-0.0008	-0.0011
UC	10	0.0013	0.0017	0.0019	-0.0012	-0.0018	-0.0018	-0.0006	-0.0010	-0.0002
UB	11	0.0008	0.0015	0.0020	-0.0008	-0.0015	-0.0020	-0.0005	-0.0010	-0.0013
UA	12	0.0009	0.0017	0.0022	-0.0009	-0.0016	-0.0022	-0.0006	-0.0010	-0.0014



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-177.193	-214.8823	-195.7691	-177.149	-157.6045	-138.7915	-180.17	-203.233	-184.053	-165.053	-145.644	-127.174	-307.238	-209.258	-190.498	-171.025	-152.391	-133.569												
11	2	-177.1887	-167.0328	-204.3009	-177.1547	-157.6041	-138.7911	-180.191	-159.319	-188.888	-165.059	-145.644	-127.173	-307.316	-280.88	-203.959	-171.031	-152.391	-133.569												
10	2	-177.1887	-167.0328	-204.3009	-177.1547	-157.6041	-138.7911	-180.191	-159.319	-188.888	-165.059	-145.644	-127.173	-307.316	-280.88	-203.959	-171.031	-152.391	-133.569												
9	3	-177.1901	-167.4227	-150.9336	-138.2606	-157.6208	-138.7898	-180.192	-159.789	-145.076	-128.098	-145.666	-127.172	-307.317	-280.904	-256.715	-231.708	-152.41	-133.567												
8	4	-177.1903	-167.4269	-151.6622	-138.2976	-124.5308	-138.918	-180.192	-159.8	-142.229	-124.129	-115.269	-127.397	-307.317	-280.904	-245.721	-231.873	-205.231	-133.706												
7	5	-177.1904	-167.4271	-151.719	-138.3014	-124.7078	-108.9673	-180.192	-159.801	-142.281	-124.131	-113.267	-101.778	-307.317	-280.904	-245.721	-231.87	-205.247	-178.669												
6																															
7																															
8																															
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10																															
11																															
12																															
13																															
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15																															
		-177.2	-167.0	-150.9	-138.3	-124.5	-109.0	-180.2	-159.3	-145.1	-128.1	-115.3	-101.8	-307.2	-280.9	-256.7	-231.7	-205.2	-178.7												

		R2																	
		BATEA					CLAVE					PARED							
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m
1																			
2																			
3																			
4																			
5																			
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7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
		-193.3	-176.0	-160.2	-147.0	-131.3	-115.9	-174.7	-159.6	-144.2	-129.6	-113.2	-100.7	-314.5	-288.7	-261.4	-236.1	-210.5	-182.8

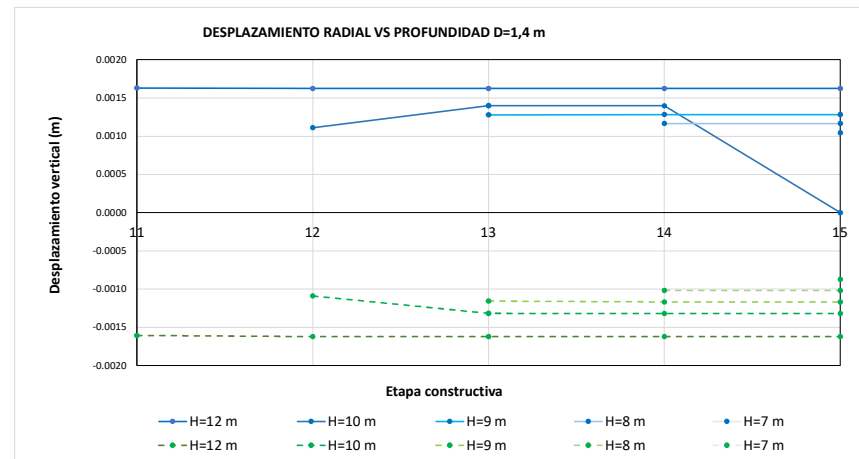
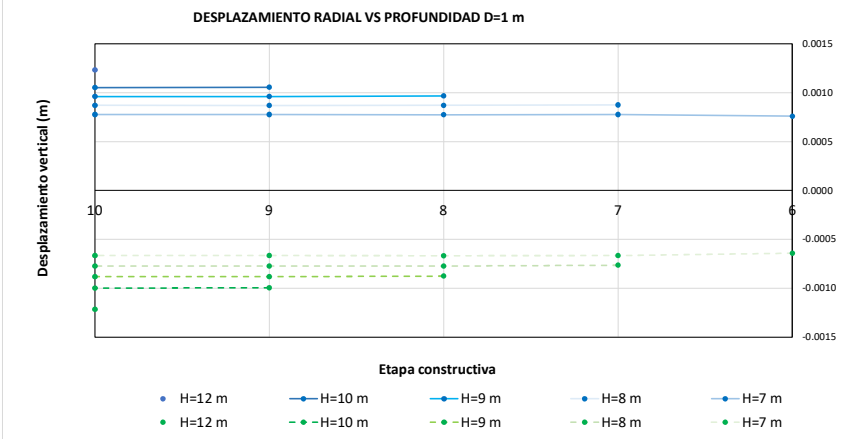
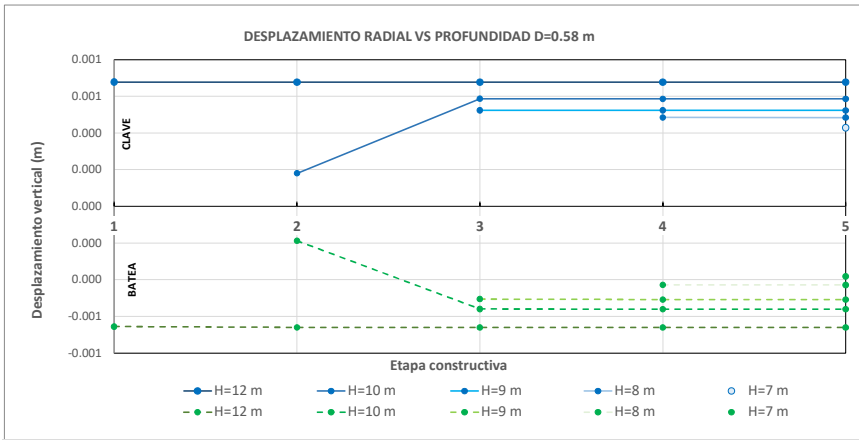


		12						11						10						9						8						7					
		R3																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD/	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
PROFUNDIDAD (m)		H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m												
1																																					
2																																					
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5																																					
6																																					
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8																																					
9																																					
9																																					
10																																					
12	11	-197.27	-178	-163.546	-149.369	-134.181	-118.813	-174.564	-155.186	-139.993	-125.173	-110.004	-95.2731	-311.905	-237.424	-217.501	-195.35	-173.17	-151.391																		
11	12	-197.85	-182.016	-165.18	-149.356	-134.181	-118.813	-175.411	-159.277	-133.918	-125.162	-110.004	-95.2735	-312.149	-293.696	-235.401	-195.384	-173.169	-151.389																		
10	12	-197.862	-182.592	-166.033	-150.129	-134.138	-118.812	-175.427	-159.724	-143.111	-127.534	-109.971	-95.2725	-312.153	-293.751	-267.148	-240.762	-173.278	-151.385																		
9	13	-197.866	-182.63	-166.655	-150.935	-135.187	-118.568	-175.428	-159.752	-147.455	-128.508	-112.563	-95.1341	-312.153	-293.75	-267.154	-241.26	-211.959	-152.184																		
8	14	-197.866	-182.63	-166.655	-150.935	-135.187	-118.568	-175.428	-159.752	-147.455	-128.508	-112.563	-95.1341	-312.153	-293.75	-267.154	-241.26	-211.959	-152.184																		
7	15	-197.867	-182.633	-166.668	-151.041	-135.717	-119.411	-175.428	-159.756	-147.654	-128.649	-112.886	-97.8246	-312.153	-293.75	-267.153	-241.252	-212.012	-186.794																		
		-197.3	-182.0	-166.0	-150.9	-135.2	-119.4	-174.6	-159.3	-143.1	-128.5	-112.6	-97.8	-311.9	-293.7	-267.1	-241.3	-212.0	-186.8																		
AQ	AR	AS	AT	AU	AV	AW	AX	AY																													
		BATEA			CLAVE			PARED																													
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m																												
7	-108.97	-115.87	-119.41	-101.78	-100.68	-97.82	-178.7	-182.8	-186.79																												
8	-124.53	-131.28	-135.19	-115.27	-113.23	-112.56	-205.2	-210.5	-211.96																												
9	-138.26	-146.99	-150.93	-128.10	-129.60	-128.51	-231.7	-236.1	-241.26																												
10	-150.93	-160.24	-166.03	-145.08	-144.25	-143.11	-256.7	-261.4	-267.15																												
11	-167.03	-176.04	-182.02	-159.32	-159.61	-159.28	-280.9	-288.7	-293.70																												
12	-177.19	-193.27	-197.27	-180.17	-174.73	-174.56	-307.2	-314.5	-311.90																												

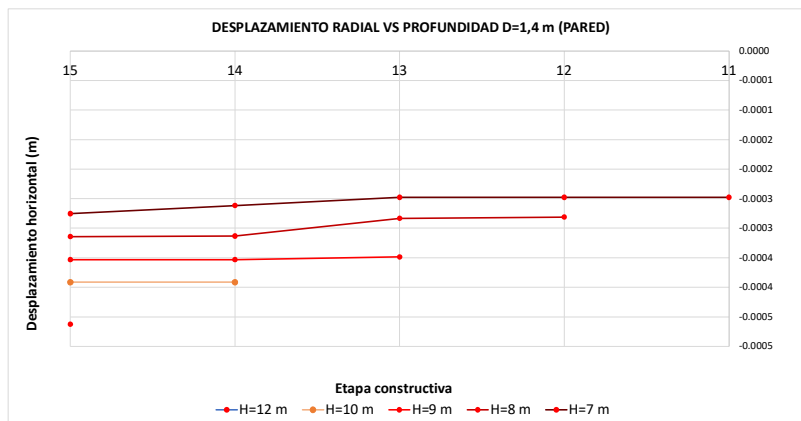
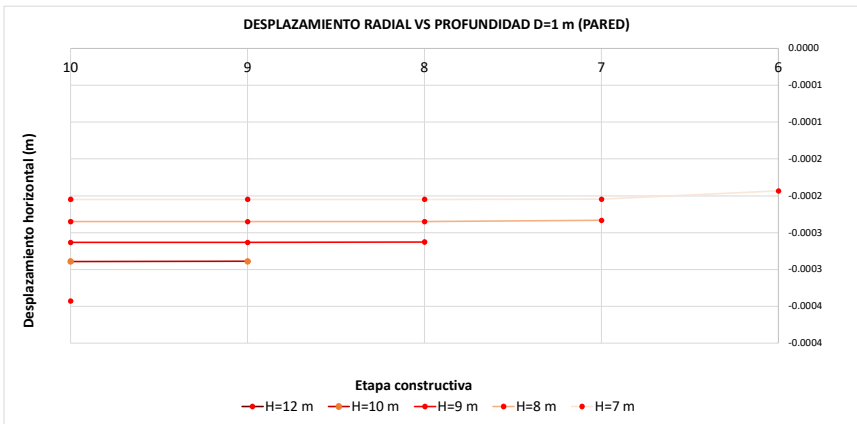
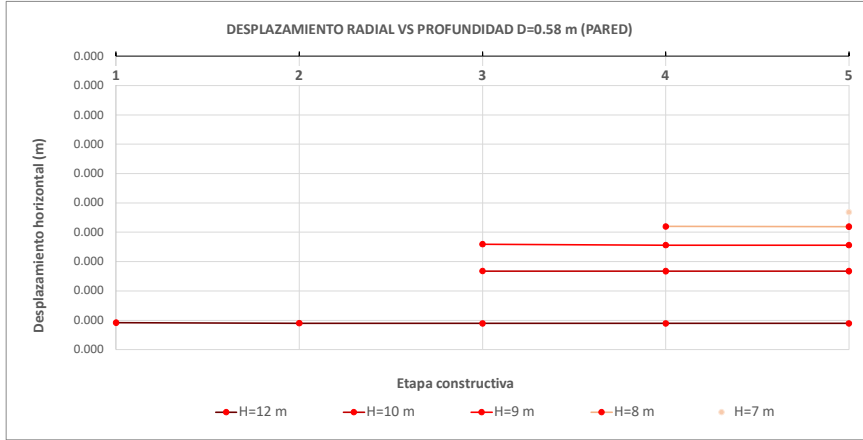
ANEXO 4.9

Resultados escenario E3 – Arena densa

PROFUNDIDAD ETAPA	BATEA						CLAVE						PARED					
	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
1	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
2	0.0007	0.0006	0.0002	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0002	0.0000	0.0000	0.0000	-0.0002	-0.0002	-0.0001	0.0000	0.0000	0.0000
3	0.0007	0.0006	0.0006	0.0005	0.0000	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	0.0000	0.0000	-0.0002	-0.0002	-0.0001	-0.0001	0.0000	0.0000
4	0.0007	0.0006	0.0006	0.0005	0.0005	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	0.0000	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001	0.0000
5	0.0007	0.0006	0.0006	0.0005	0.0005	0.0004	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	-0.0004	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001	-0.0001
6	0.0007	0.0006	0.0006	0.0005	0.0005	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	-0.0004	0.0000	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001	0.0000
7	0.0007	0.0006	0.0006	0.0005	0.0000	0.0000	-0.0007	-0.0006	-0.0006	-0.0005	0.0000	0.0000	-0.0002	-0.0002	-0.0001	-0.0001	0.0000	0.0000
8	0.0007	0.0006	0.0009	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0008	0.0000	0.0000	0.0000	-0.0002	-0.0002	-0.0003	0.0000	0.0000	0.0000
9	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MAXIMO	0.0007	0.0006	0.0009	0.0005	0.0005	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MINIMO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	-0.0006	-0.0008	-0.0005	-0.0004	-0.0004	-0.0002	-0.0002	-0.0003	-0.0001	-0.0001	-0.0001

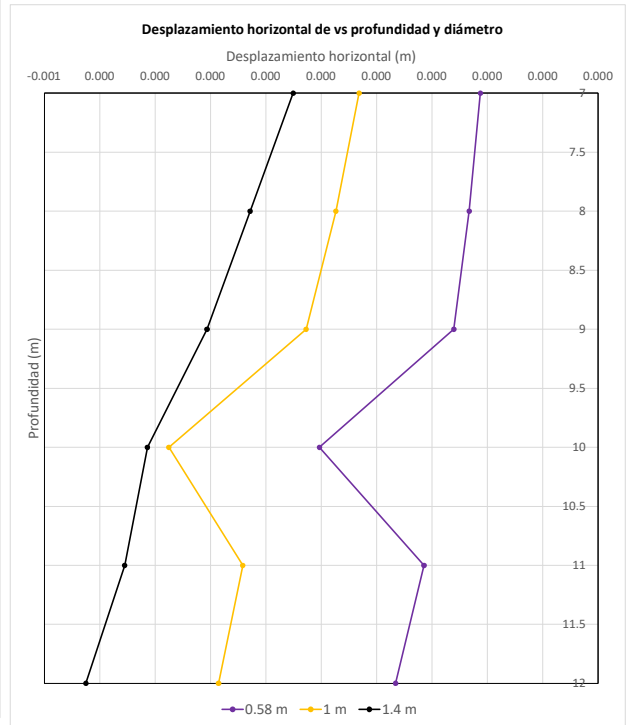
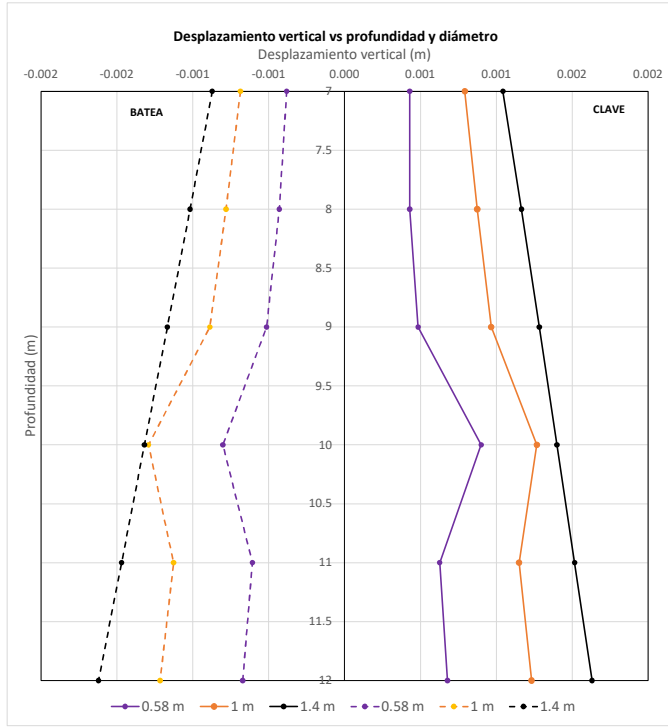


BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	0.0004	0.0001	0.0000	0.0000	0.0000	-0.0005	-0.0004	-0.0002	0.0000	0.0000	0.0000	-0.0002	-0.0002	-0.0001	0.0000	0.0000	0.0000
0.0005	0.0004	0.0004	0.0004	0.0000	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	0.0000	0.0000	-0.0002	-0.0002	-0.0002	-0.0001	0.0000	0.0000
0.0005	0.0004	0.0004	0.0004	0.0003	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	0.0000	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001	0.0000
0.0005	0.0004	0.0004	0.0004	0.0003	0.0000	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0003	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001
0.0005	0.0004	0.0004	0.0004	0.0003	0.0008	-0.0005	-0.0004	-0.0004	-0.0003	-0.0008	-0.0007	-0.0002	-0.0002	-0.0002	-0.0001	-0.0002	-0.0002
0.0005	0.0004	0.0008	0.0010	0.0009	0.0008	-0.0005	-0.0004	-0.0006	-0.0009	-0.0008	-0.0007	-0.0002	-0.0002	-0.0002	-0.0003	-0.0002	-0.0002
0.0005	0.0011	0.0011	0.0010	0.0009	0.0008	-0.0005	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	-0.0002	-0.0003	-0.0003	-0.0003	-0.0002	-0.0002
0.0012	0.0011	0.0011	0.0010	0.0009	0.0008	-0.0012	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	-0.0003	-0.0003	-0.0003	-0.0003	-0.0002	-0.0002
0.0000	0.0011	0.0010	0.0010	0.0009	0.0008	0.0000	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	0.0000	-0.0003	-0.0003	-0.0003	-0.0002	-0.0002
0.0000	0.0000	0.0013	0.0010	0.0009	0.0008	0.0000	0.0000	-0.0013	-0.0009	-0.0008	-0.0007	0.0000	0.0000	-0.0004	-0.0003	-0.0002	-0.0002
0.0000	0.0000	0.0000	0.0000	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	-0.0008	-0.0007	0.0000	0.0000	0.0000	0.0000	-0.0002	-0.0002
0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	0.0011	0.0013	0.0010	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0012	-0.0011	-0.0013	-0.0009	-0.0008	-0.0007	-0.0003	-0.0003	-0.0004	-0.0003	-0.0002	-0.0002



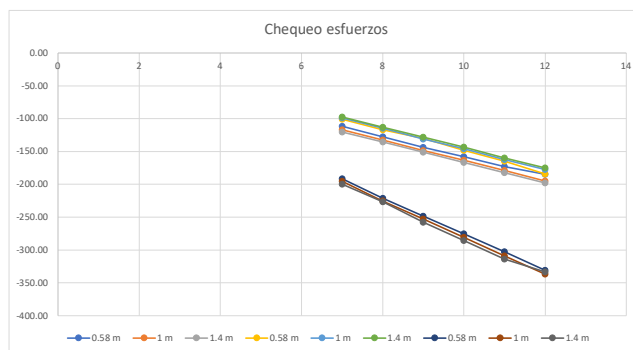
R3																	
BATEA						CLAVE						PARED					
UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF	UA	UB	UC	UD	UE	UF
H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m	H=12 m	H=11 m	H=10 m	H=9 m	H=8 m	H=7 m
0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
0.0004	0.0003	0.0001	0.0000	0.0000	0.0000	-0.0004	-0.0003	-0.0001	0.0000	0.0000	0.0000	-0.0002	-0.0001	-0.0001	0.0000	0.0000	0.0000
0.0004	0.0003	0.0003	0.0003	0.0000	0.0000	-0.0004	-0.0003	-0.0003	-0.0003	0.0000	0.0000	-0.0002	-0.0001	-0.0001	-0.0001	0.0000	0.0000
0.0004	0.0003	0.0003	0.0003	0.0003	0.0000	-0.0004	-0.0003	-0.0003	-0.0003	-0.0002	0.0000	-0.0002	-0.0001	-0.0001	-0.0001	0.0000	0.0000
0.0004	0.0003	0.0003	0.0003	0.0003	0.0002	-0.0004	-0.0003	-0.0003	-0.0003	-0.0002	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
0.0004	0.0003	0.0003	0.0003	0.0003	0.0007	-0.0004	-0.0003	-0.0003	-0.0003	-0.0002	-0.0006	-0.0002	-0.0001	-0.0001	-0.0001	-0.0001	-0.0002
0.0004	0.0003	0.0003	0.0003	0.0008	0.0007	-0.0004	-0.0003	-0.0003	-0.0003	-0.0007	-0.0006	-0.0002	-0.0001	-0.0001	-0.0001	-0.0003	-0.0002
0.0004	0.0003	0.0006	0.0008	0.0008	0.0007	-0.0004	-0.0003	-0.0006	-0.0008	-0.0007	-0.0006	-0.0002	-0.0001	-0.0002	-0.0003	-0.0003	-0.0002
0.0004	0.0010	0.0009	0.0008	0.0008	0.0007	-0.0004	-0.0010	-0.0009	-0.0008	-0.0007	-0.0006	-0.0002	-0.0004	-0.0004	-0.0003	-0.0003	-0.0002
0.0011	0.0010	0.0009	0.0008	0.0008	0.0007	-0.0011	-0.0010	-0.0009	-0.0008	-0.0007	-0.0006	-0.0004	-0.0004	-0.0004	-0.0003	-0.0003	-0.0002
0.0016	0.0010	0.0009	0.0008	0.0008	0.0007	-0.0016	-0.0010	-0.0009	-0.0008	-0.0007	-0.0006	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0002
0.0016	0.0015	0.0011	0.0008	0.0008	0.0007	-0.0016	-0.0015	-0.0011	-0.0008	-0.0007	-0.0006	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0002
0.0016	0.0015	0.0014	0.0013	0.0008	0.0007	-0.0016	-0.0015	-0.0013	-0.0012	-0.0007	-0.0006	-0.0005	-0.0004	-0.0004	-0.0003	-0.0003	-0.0002
0.0016	0.0015	0.0014	0.0013	0.0012	0.0007	-0.0016	-0.0015	-0.0013	-0.0012	-0.0010	-0.0006	-0.0005	-0.0004	-0.0004	-0.0004	-0.0003	-0.0003
0.0016	0.0015	0.0000	0.0013	0.0012	0.0010	-0.0016	-0.0015	-0.0013	-0.0012	-0.0010	-0.0009	-0.0005	-0.0004	-0.0004	-0.0004	-0.0003	-0.0003
0.0016	0.0015	0.0014	0.0013	0.0012	0.0010	-0.0004	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0016	-0.0015	-0.0013	-0.0012	-0.0010	-0.0009	-0.0005	-0.0004	-0.0004	-0.0004	-0.0003	-0.0003

	BATEA			CLAVE			PARED			
	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	
UF	7	0.0004	0.0008	0.0010	-0.0004	-0.0007	-0.0009	-0.0001	-0.0002	-0.0003
UE	8	0.0004	0.0009	0.0012	-0.0004	-0.0008	-0.0010	-0.0001	-0.0002	-0.0003
UD	9	0.0005	0.0010	0.0013	-0.0005	-0.0009	-0.0012	-0.0001	-0.0003	-0.0004
UC	10	0.0009	0.0013	0.0014	-0.0008	-0.0013	-0.0013	-0.0003	-0.0004	-0.0004
UB	11	0.0006	0.0011	0.0015	-0.0006	-0.0011	-0.0015	-0.0002	-0.0003	-0.0004
UA	12	0.0007	0.0012	0.0016	-0.0007	-0.0012	-0.0016	-0.0002	-0.0003	-0.0005



		12						11						9						8						7					
		R1																													
		BATEA						CLAVE						PARED																	
PROFUNDIDAD (m)	ETAPA	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF	SA	SB	SC	SD	SE	SF												
12	1	-184.5628	-226.2067	-206.0738	-186.4731	-165.899	-146.0954	-184.056	-213.943	-193.742	-173.741	-153.309	-133.868	-330.976	-220.286	-200.525	-180.026	-160.412	-140.599												
11	2	-184.5622	-173.1144	-213.6771	-186.4804	-165.8988	-146.0949	-184.061	-164.689	-198.818	-173.749	-153.308	-133.868	-331.062	-302.49	-217.295	-180.034	-160.412	-140.599												
10	2	-184.5622	-173.1144	-213.6771	-186.4804	-165.8988	-146.0949	-184.061	-164.689	-198.818	-173.749	-153.308	-133.868	-331.062	-302.49	-217.295	-180.034	-160.412	-140.599												
9	3	-184.5625	-173.1151	-158.1245	-143.9008	-165.9204	-146.0938	-184.062	-164.691	-148.107	-130.039	-153.336	-133.867	-331.064	-302.509	-275.369	-248.444	-160.436	-140.598												
8	4	-184.5626	-173.1152	-158.1248	-143.9054	-127.6484	-146.2798	-184.062	-164.691	-148.107	-130.036	-116.909	-134.137	-331.064	-302.508	-262.369	-248.618	-221.208	-140.787												
7	5	-184.5626	-173.1152	-158.1249	-143.9055	-127.649	-111.6897	-184.062	-164.691	-148.107	-130.036	-116.91	-101.046	-331.064	-302.509	-262.369	-248.615	-221.222	-191.69												
6																															
7																															
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15																															
		-184.6	-173.1	-158.1	-143.9	-127.6	-111.7	-184.1	-164.7	-148.1	-130.0	-116.9	-101.0	-331.0	-302.5	-275.4	-248.4	-221.2	-191.7												

		12						11						10						9						8						7					
		R2																																			
		BATEA						CLAVE						PARED																							
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m																		
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15																																					
		-219.34	-202.184	-184.057	-167.552	-150.057	-117.038	-199.43	-182.032	-164.063	-147.162	-130.033	-98.7826	-254.662	-234.551	-209.909	-189.792	-169.989	-195.54																		
		-219.341	-202.184	-184.058	-167.624	-132.683	-117.037	-199.43	-182.032	-164.064	-147.215	-114.734	-98.745	-254.662	-234.551	-209.91	-189.954	-225.402	-197.247																		
		-219.343	-202.194	-165.439	-148.449	-132.683	-117.037	-199.431	-182.04	-152.832	-131.166	-114.733	-98.7453	-254.665	-234.571	-239.473	-252.892	-225.611	-197.243																		
		-219.385	-178.881	-163.295	-148.448	-132.684	-117.037	-199.462	-162.16	-145.811	-131.165	-114.733	-98.7455	-254.754	-308.953	-280.736	-252.962	-225.611	-197.24																		
		-219.385	-178.881	-163.295	-148.448	-132.684	-117.037	-199.462	-162.16	-145.811	-131.165	-114.733	-98.7455	-254.754	-308.953	-280.736	-252.962	-225.611	-197.24																		
		-194.802	-178.883	-163.295	-148.448	-132.684	-117.037	-177.586	-162.158	-145.811	-131.165	-114.733	-98.7456	-336.592	-309.593	-272.775	-252.961	-225.607	-197.237																		
		-194.8	-178.9	-163.3	-148.4	-132.7	-117.0	-177.6	-162.2	-145.8	-131.2	-114.7	-98.8	-336.6	-309.0	-280.7	-252.9	-225.4	-195.5																		

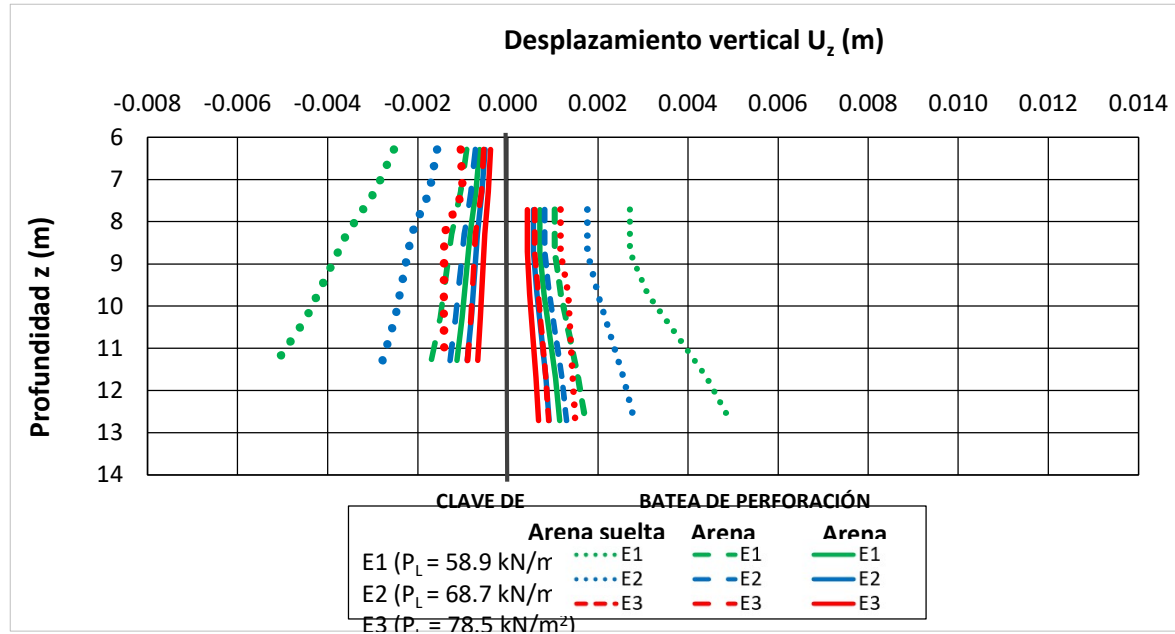


		12	11	10	9	8	7	12	11	10	9	8	7	12	11	10	9	8	7
		BATEA						CLAVE						PARED					
PROFUNDIDAD (m)	ETAPA	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m	SA H=12 m	SB H=11 m	SC H=10 m	SD H=9 m	SE H=8 m	SF H=7 m
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
12	11	-197.757	-187.21	-171.69	-156.008	-139.908	-123.708	-175.023	-163.217	-146.771	-131.153	-115.025	-99.2591	-333.476	-253.822	-232.64	-209.013	-185.362	-161.794
11	12	-197.757	-182.376	-173.156	-156.008	-139.909	-123.708	-175.024	-159.821	-140.65	-131.156	-115.025	-99.2593	-333.733	-313.795	-254.112	-209.052	-185.362	-161.792
10	12	-197.757	-182.376	-166.766	-151.019	-139.91	-123.707	-175.024	-159.821	-143.451	-128.296	-115.034	-99.2591	-333.739	-313.856	-285.565	-257.296	-185.489	-161.788
9	13	-197.757	-182.376	-166.766	-151.016	-135.64	-123.731	-175.024	-159.822	-143.451	-128.295	-113.033	-99.305	-333.739	-313.855	-285.571	-257.831	-226.66	-162.758
8	14	-197.757	-182.376	-166.766	-151.016	-135.64	-123.731	-175.024	-159.822	-143.451	-128.295	-113.033	-99.305	-333.739	-313.855	-285.571	-257.831	-226.66	-162.758
7	15	-197.757	-182.376	-166.766	-151.016	-135.64	-120.159	-175.024	-159.822	-143.452	-128.295	-113.034	-97.4169	-333.739	-313.855	-285.57	-257.822	-226.713	-199.651
		-197.8	-182.4	-166.8	-151.0	-135.6	-120.2	-175.0	-159.8	-143.5	-128.3	-113.0	-97.4	-333.5	-313.8	-285.6	-257.8	-226.7	-199.7
AQ	AR	AS	AT	AU	AV	AW	AX	AY											
BATEA		CLAVE		PARED															
0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m	0.58 m	1 m	1.4 m											
7	-111.69	-117.04	-120.16	-101.05	-98.78	-97.42	-191.7	-195.5	-199.65										
8	-127.65	-132.68	-135.64	-116.91	-114.73	-113.03	-221.2	-225.4	-226.66										
9	-143.90	-148.45	-151.02	-130.04	-131.17	-128.29	-248.4	-252.9	-257.83										
10	-158.12	-163.29	-166.77	-148.11	-145.81	-143.45	-275.4	-280.7	-285.57										
11	-173.11	-178.88	-182.38	-164.69	-162.16	-159.82	-302.5	-309.0	-313.80										
12	-184.56	-194.80	-197.76	-184.06	-177.59	-175.02	-331.0	-336.6	-333.48										

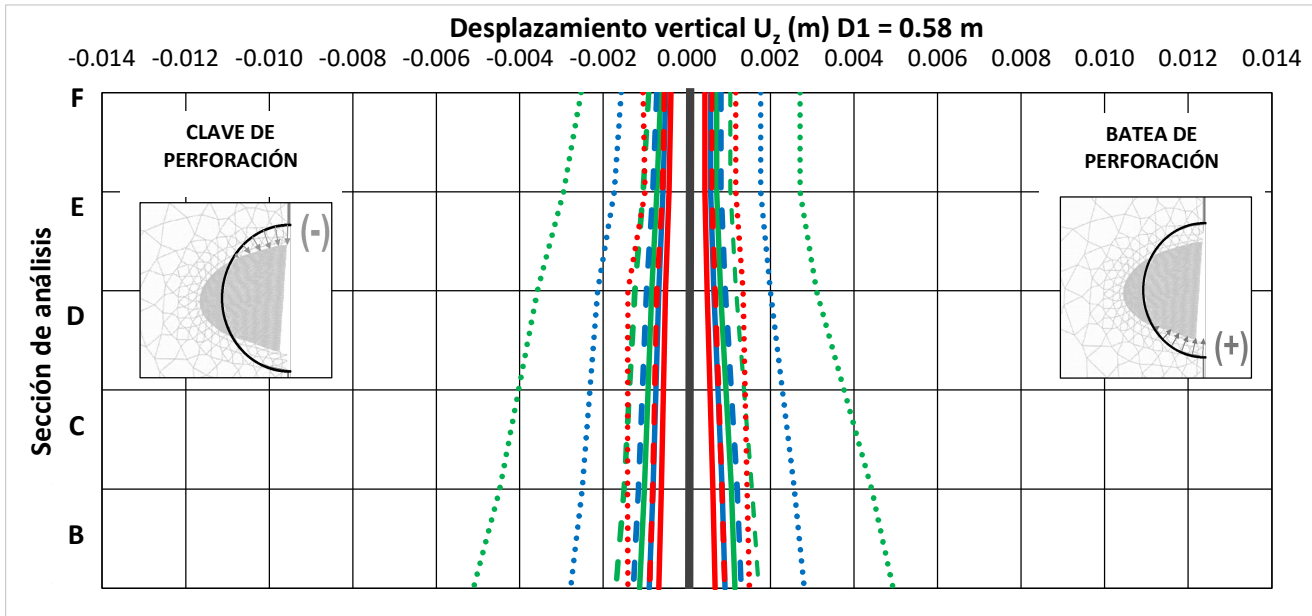
ANEXO 5.1

Gráficas consolidado Diámetro D1

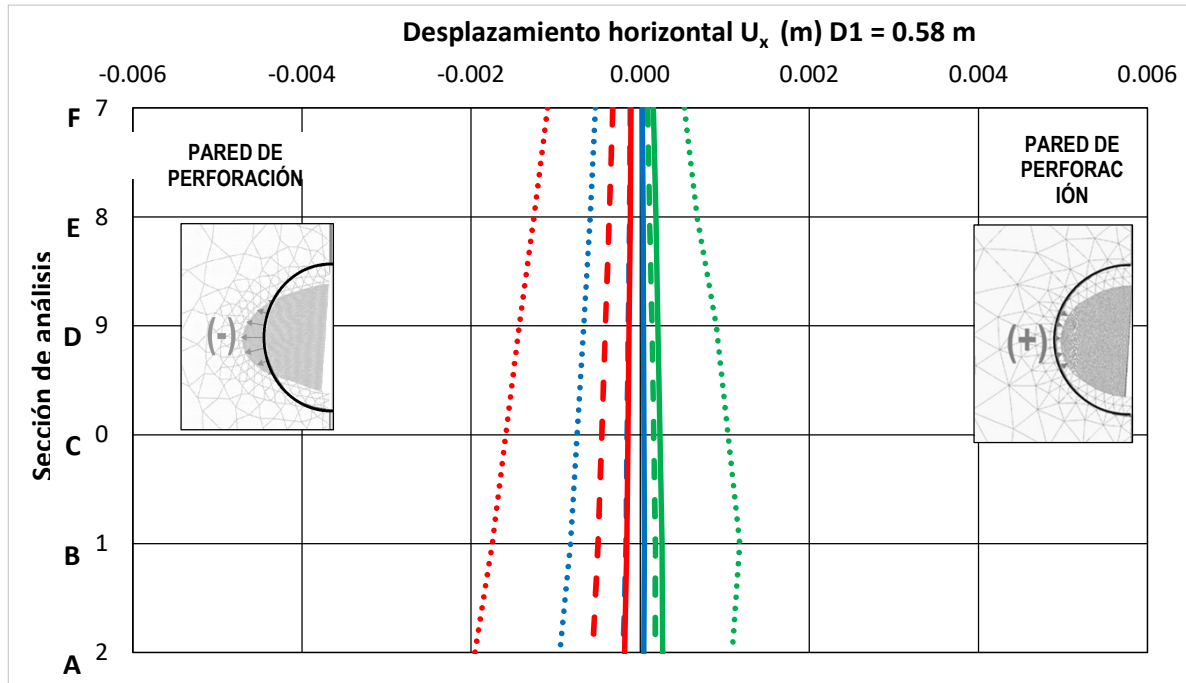
D	0.58 m									
AR	BATEA	E1	E1	E1	E2	E2	E2	E3	E3	E3
	Arena	Suelta	Media	Densa	Suelta	Media	Densa	Suelta	Media	Densa
Profundidad (m)		1	1	1	2	2	2	3	3	3
7.711		0.0027	0.0010	0.0007	0.0018	0.0008	0.0006	0.0012	0.0006	0.0004
8.711		0.0027	0.0010	0.0007	0.0018	0.0008	0.0006	0.0012	0.0006	0.0004
9.711		0.0031	0.0012	0.0008	0.0020	0.0009	0.0006	0.0013	0.0007	0.0005
11.7		0.0044	0.0016	0.0011	0.0026	0.0012	0.0008	0.0014	0.0008	0.0006
12.711		0.0049	0.0017	0.0011	0.0028	0.0013	0.0009	0.0015	0.0009	0.0007



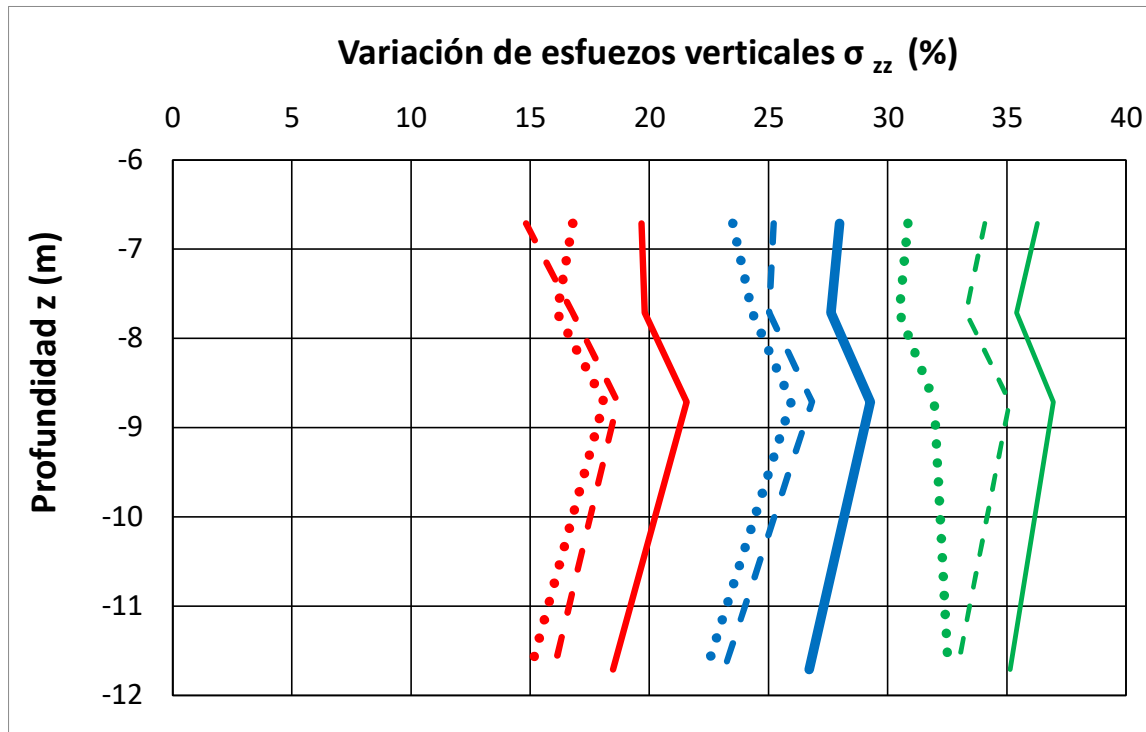
D	0.58 m	E1			E2			E3		
AU	CLAVE	Suelta	Media	Densa	Suelta	Media	Densa	Suelta	Media	Densa
	Arena	1	1	1	2	2	2	3	3	3
	Profundidad (m)	1	1	1	2	2	2	3	3	3
	6.29	-0.0025	-0.0009	-0.0006	-0.0016	-0.0007	-0.0005	-0.0010	-0.0005	-0.0004
	7.29	-0.0030	-0.0010	-0.0007	-0.0017	-0.0008	-0.0006	-0.0010	-0.0006	-0.0004
	8.29	-0.0036	-0.0012	-0.0008	-0.0021	-0.0010	-0.0007	-0.0014	-0.0007	-0.0005
	10.29	-0.0045	-0.0015	-0.0010	-0.0025	-0.0012	-0.0008	-0.0014	-0.0008	-0.0006
	11.29	-0.0051	-0.0017	-0.0011	-0.0028	-0.0013	-0.0009	-0.0014	-0.0009	-0.0007



D	0.58 m	E1			E2			E3		
AX	PARED	E1	E1	E1	E2	E2	E2	E3	E3	E3
	Arena	suelta	media	densa	suelta	media	densa	suelta	media	densa
Profundidad (m)		1	1	1	2	2	2	3	3	3
7		0.0005	0.0001	0.0002	-0.0005	-0.0001	0.0000	-0.0011	-0.0003	-0.0001
8		0.0007	0.0001	0.0002	-0.0006	-0.0001	0.0000	-0.0013	-0.0004	-0.0001
9		0.0009	0.0001	0.0002	-0.0007	-0.0001	0.0000	-0.0014	-0.0004	-0.0001
11		0.0012	0.0002	0.0003	-0.0008	-0.0002	0.0001	-0.0017	-0.0005	-0.0002
12		0.0011	0.0002	0.0003	-0.0009	-0.0002	0.0000	-0.0020	-0.0006	-0.0002

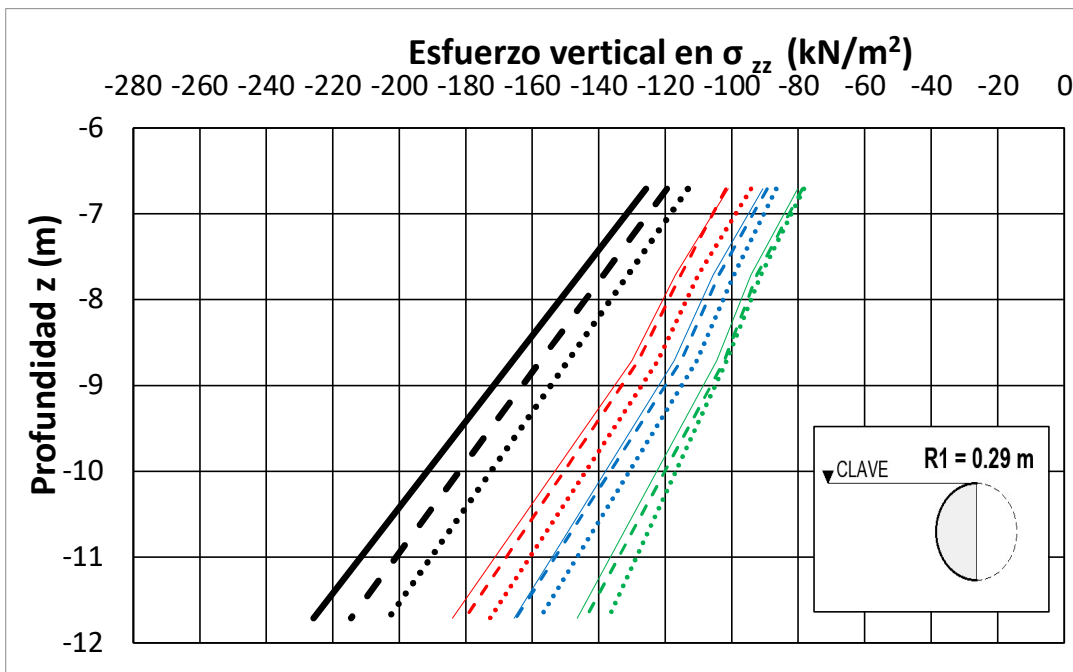


0.58 m	ESFUERZOS VERTICALES TOTALES								
CLAVE	E1			E2			E3		
Profundidad (m)	suelta	media	densa	suelta	media	densa	suelta	media	densa
Escenario	1	1	1	2	2	2	3	3	3
-6.71	-78.28	-78.77	-80.15	-86.61	-89.35	-90.59	-94.20	-101.78	-101.05
-7.71	-91.20	-92.38	-94.15	-99.29	-103.83	-105.52	-110.04	-115.27	-116.91
-8.71	-101.52	-102.19	-104.51	-110.48	-115.24	-117.26	-122.21	-128.10	-130.04
-11.71	-137.09	-143.88	-146.43	-157.69	-164.86	-165.47	-172.68	-180.17	-184.06

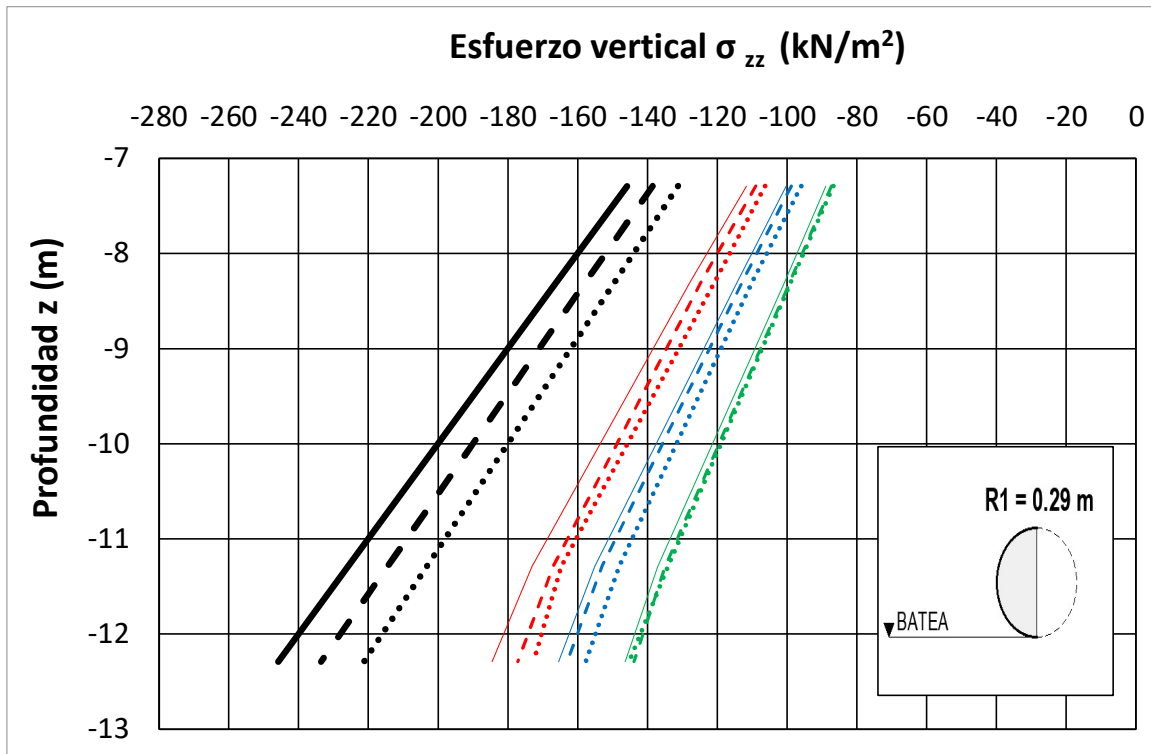


ESUERZOS INICIALES BATEA D3				
Sección	Profundidad (m)	ARENA		
		Arena suelta	Arena media	Arena densa
F	-6.71	-113.2	-119.5	-125.8
E	-7.71	-131.2	-138.5	-145.8
D	-8.71	-149.2	-157.5	-165.8
A	-11.71	-203.2	-214.5	-225.8

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
		E1			E2			E3		
		suelta	media	densa	suelta	media	densa	suelta	media	densa
Sección	Material z (m)	1	1	1	2	2	2	3	3	3
F	-6.71	30.8	34.1	36.3	23.5	25.2	28.0	16.8	14.8	19.7
E	-7.71	30.5	33.3	35.4	24.3	25.0	27.6	16.1	16.8	19.8
D	-8.71	32.0	35.1	37.0	26.0	26.8	29.3	18.1	18.7	21.6
A	-11.71	32.5	32.9	35.1	22.4	23.1	26.7	15.0	16.0	18.5

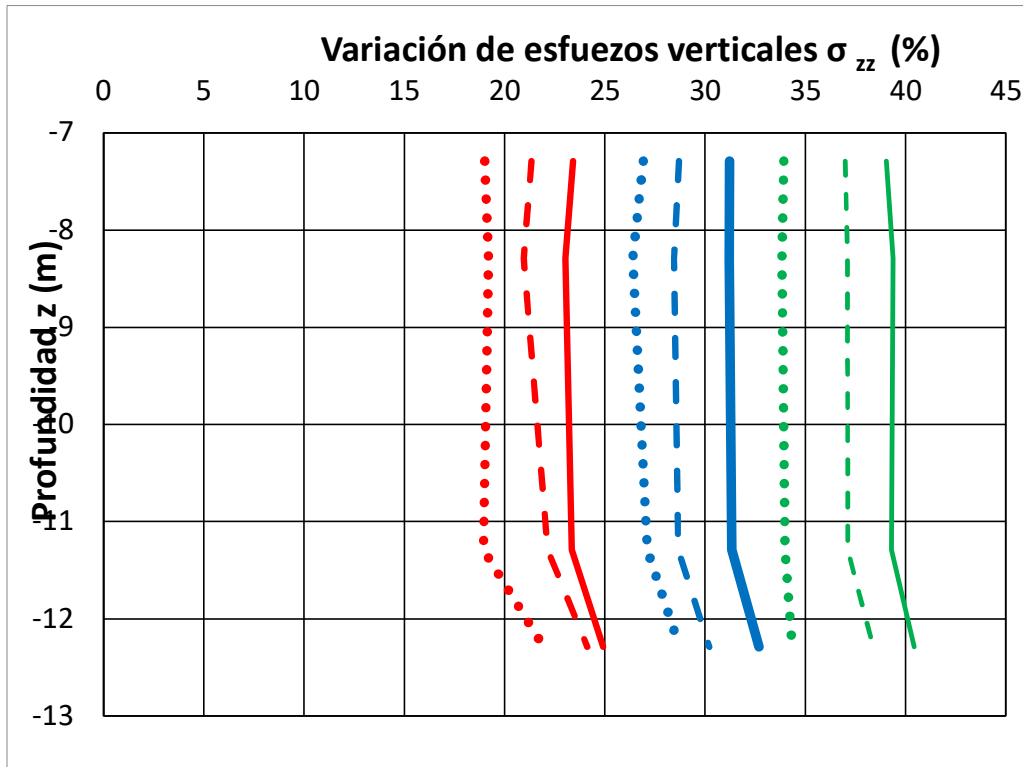


D	0.58 m	ESFUERZOS VERTICALES TOTALES								
AQ	BATEA	E1			E2			E3		
Profundidad (m)	Escenario	suelta	media	densa	suelta	media	densa	suelta	media	densa
-7.29	1	-86.72	-87.29	-88.91	-95.92	-98.79	-100.29	-106.31	-108.97	-111.69
-8.29	1	-98.75	-99.09	-100.54	-109.85	-112.71	-114.08	-120.59	-124.53	-127.65
-11.29	1	-134.16	-134.92	-137.08	-148.12	-153.07	-155.07	-164.74	-167.03	-173.11
-12.29	1	-145.26	-143.88	-146.43	-157.69	-162.98	-165.47	-172.68	-177.19	-184.56

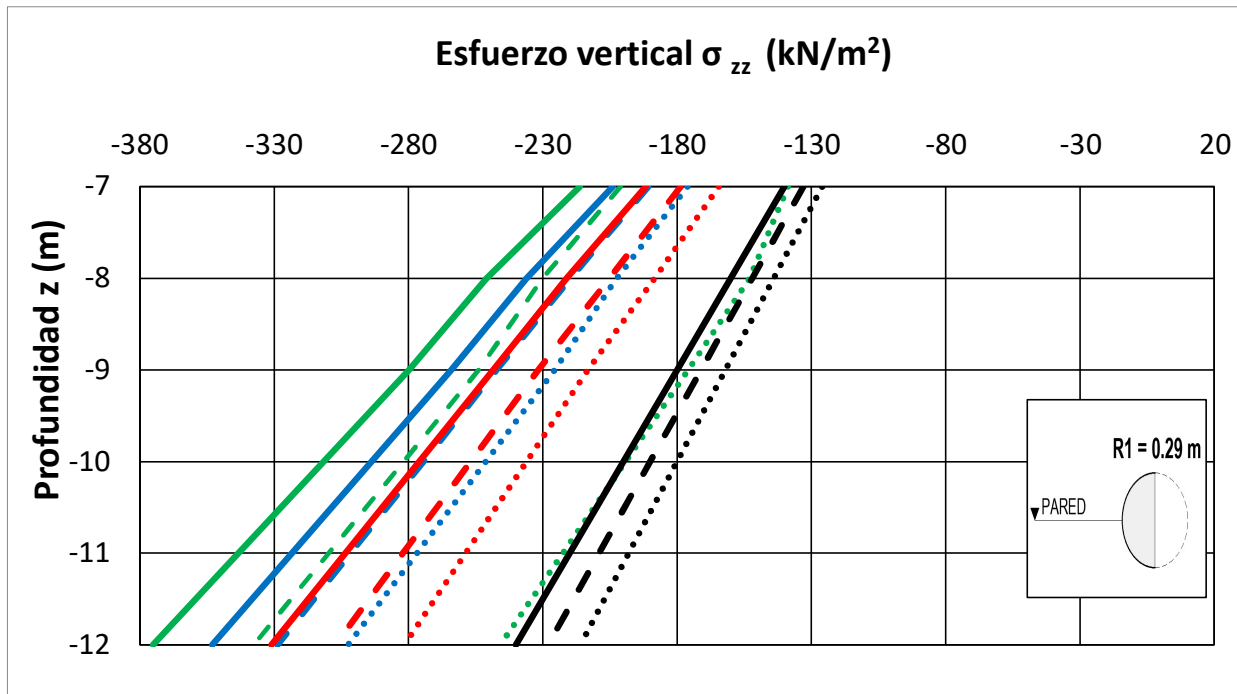


ESUERZOS INICIALES BATEA D3				
Sección	Profundidad	ARENA		
	(m)	Arena suelta	Arena media	Arena densa
F	-7.29	-131.3	-138.5	-145.8
E	-8.29	-149.3	-157.5	-165.8
B	-11.29	-203.3	-214.5	-225.8
A	-12.29	-221.3	-233.5	-245.8

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
		E1	E2	E3	E1	E2	E3	E1	E2	E3
		suelta	media	densa	suelta	media	densa	suelta	media	densa
Sección	Material z (m)	1	1	1	2	2	2	3	3	3
F	-7.29	33.9	37.0	39.0	26.9	28.7	31.2	19.0	21.4	23.4
E	-8.29	33.8	37.1	39.4	26.4	28.5	31.2	19.2	21.0	23.0
B	-11.29	34.0	37.1	39.3	27.1	28.7	31.3	18.9	22.1	23.3
A	-12.29	34.3	38.4	40.4	28.7	30.2	32.7	22.0	24.1	24.9

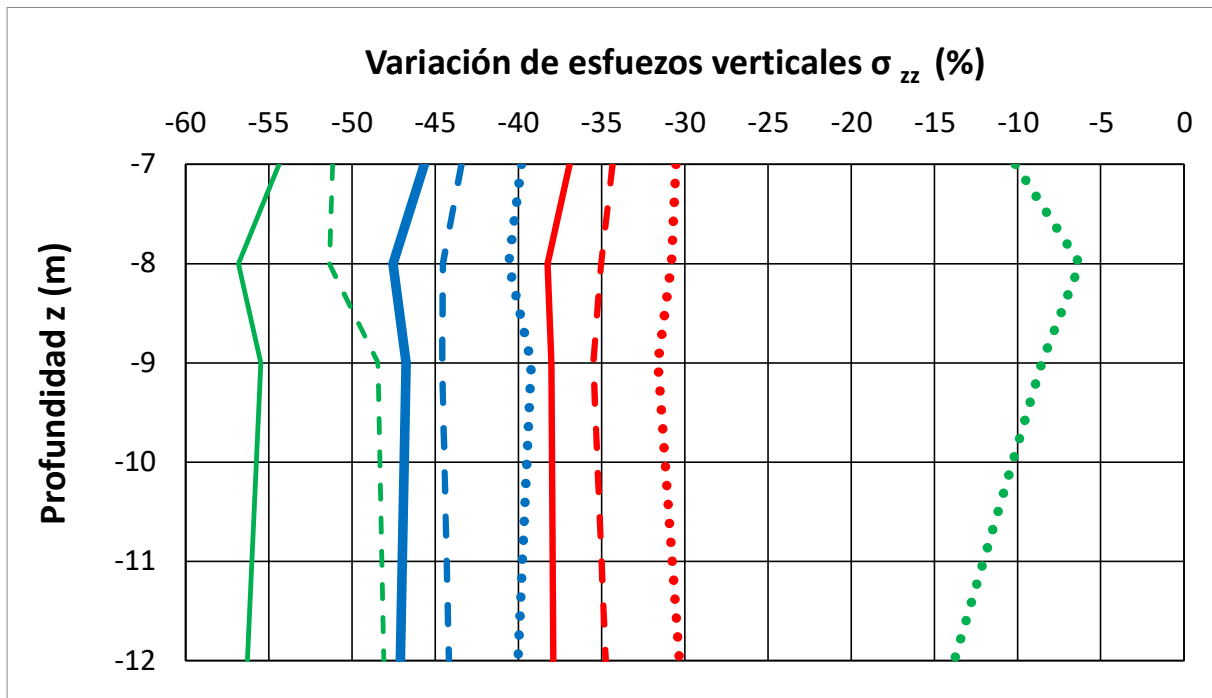


D	0.58 m	ESFUERZOS VERTICALES TOTALES								
AW	BATEA	E1			E2			E3		
Profundidad (m)	suelta	media	densa	suelta	media	densa	suelta	media	densa	
Escenario	1	1	1	2	2	2	3	3	3	
-7.0	-138.75	-201.06	-216.13	-176.16	-190.76	-203.92	-164.46	-178.67	-191.69	
-8.0	-153.00	-230.07	-250.92	-202.45	-219.70	-236.07	-188.35	-205.23	-221.21	
-9.0	-175.84	-253.85	-279.87	-225.55	-247.24	-264.17	-213.21	-231.71	-248.44	
-12.0	-245.81	-337.64	-375.10	-302.47	-328.74	-353.03	-281.50	-307.24	-330.98	



ESFUERZOS INICIALES BATEA D3				
Sección	Profundidad	ARENA		
	(m)	Arena suelta	Arena media	Arena densa
F	7.0	-126.0	-133.0	-140.0
E	8.0	-144.0	-152.0	-160.0
D	9.0	-162.0	-171.0	-180.0
A	12.0	-216.0	-228.0	-240.0

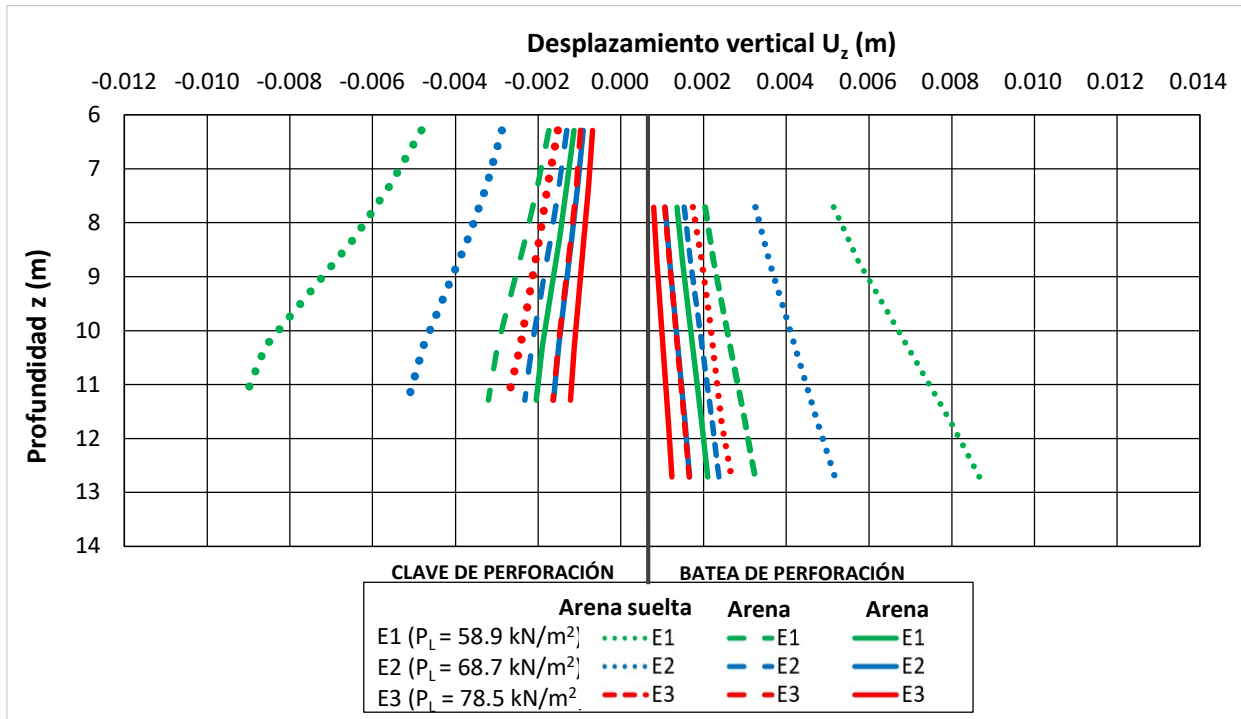
DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
		E1	E2	E3	E1	E2	E3	E1	E2	E3
Material		suelta	media	densa	suelta	media	densa	suelta	media	densa
Sección	z (m)	1	1	1	2	2	2	3	3	3
F	-7.0	-10.1	-51.2	-54.4	-39.8	-43.4	-45.7	-30.5	-34.3	-36.9
E	-8.0	-6.3	-51.4	-56.8	-40.6	-44.5	-47.5	-30.8	-35.0	-38.3
D	-9.0	-8.5	-48.4	-55.5	-39.2	-44.6	-46.8	-31.6	-35.5	-38.0
A	-12.0	-13.8	-48.1	-56.3	-40.0	-44.2	-47.1	-30.3	-34.8	-37.9



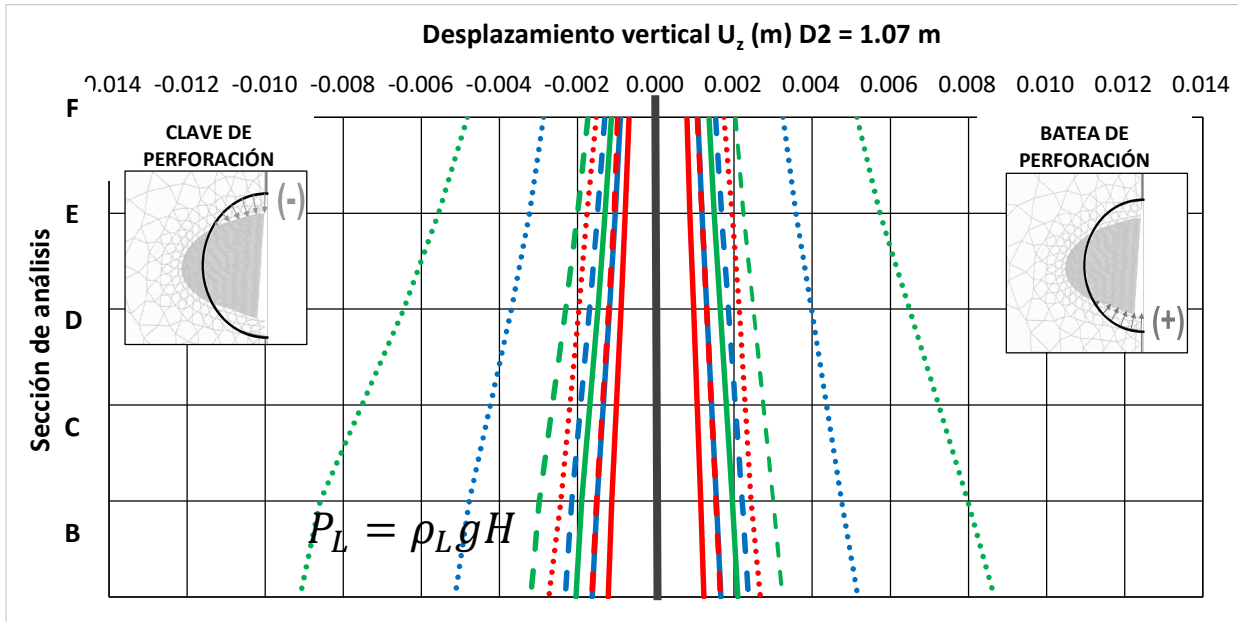
ANEXO 5.2

Gráficas consolidado Diámetro D2

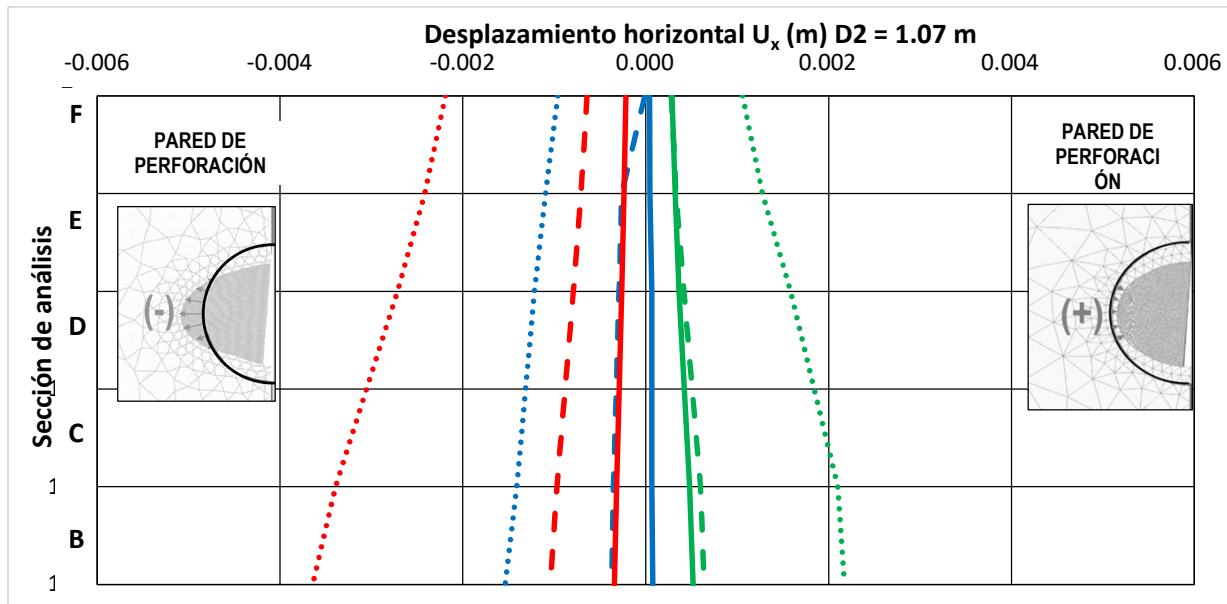
D	1.07 m									
AS	BATEA	E1	E1	E1	E2	E2	E2	E3	E3	E3
	Arena	Suelta	Media	Densa	Suelta	Media	Densa	Suelta	Media	Densa
Profundidad (m)		1	1	1	2	2	2	3	3	3
7.711		0.0051	0.0020	0.0014	0.0033	0.0015	0.0011	0.0017	0.0011	0.0008
8.711		0.0057	0.0022	0.0015	0.0036	0.0017	0.0012	0.0020	0.0012	0.0009
9.711		0.0065	0.0025	0.0016	0.0040	0.0019	0.0013	0.0021	0.0013	0.0010
11.7		0.0080	0.0030	0.0020	0.0048	0.0022	0.0016	0.0024	0.0015	0.0011
12.711		0.0087	0.0032	0.0021	0.0052	0.0024	0.0017	0.0027	0.0017	0.0012



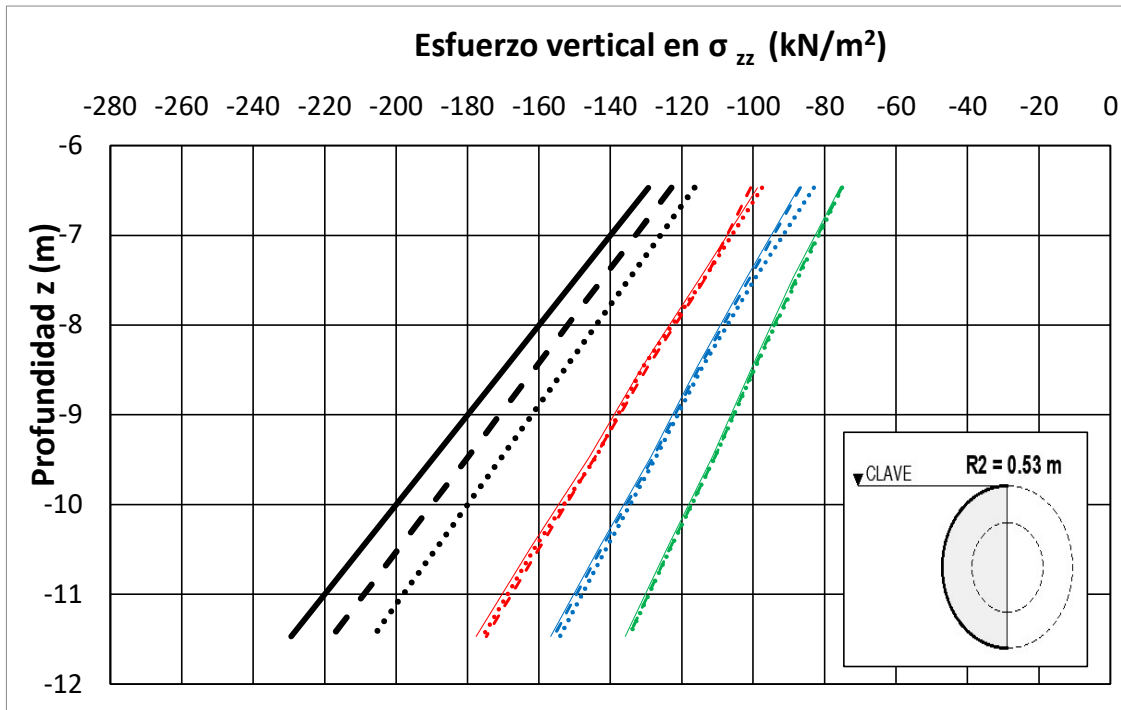
D	1.07 m	E1			E2			E3		
AV	CLAVE	E1	E1	E1	E2	E2	E2	E3	E3	E3
	Arena	Suelta	Media	Densa	Suelta	Media	Densa	Suelta	Media	Densa
Profundidad (m)		1	1	1	2	2	2	3	3	3
6.29		-0.0048	-0.0017	-0.0011	-0.0029	-0.0013	-0.0009	-0.0015	-0.0010	-0.0007
7.29		-0.0056	-0.0020	-0.0013	-0.0032	-0.0015	-0.0010	-0.0018	-0.0011	-0.0008
8.29		-0.0065	-0.0023	-0.0015	-0.0037	-0.0017	-0.0012	-0.0020	-0.0012	-0.0009
10.29		-0.0086	-0.0030	-0.0019	-0.0048	-0.0022	-0.0015	-0.0024	-0.0015	-0.0011
11.29		-0.0091	-0.0032	-0.0020	-0.0051	-0.0023	-0.0016	-0.0027	-0.0016	-0.0012



D	1.07 m	E1			E2			E3		
AY	PARED	E1	E1	E1	E2	E2	E2	E3	E3	E3
Arena	suelta	media	densa	suelta	media	densa	suelta	media	densa	
Profundidad (m)	1	1	1	2	2	2	3	3	3	
7	0.0011	0.0003	0.0003	-0.0010	0.0000	0.0000	-0.0022	-0.0006	-0.0002	
8	0.0013	0.0003	0.0003	-0.0011	-0.0003	0.0000	-0.0024	-0.0007	-0.0002	
9	0.0016	0.0004	0.0004	-0.0012	-0.0003	0.0001	-0.0027	-0.0008	-0.0003	
11	0.0021	0.0006	0.0005	-0.0014	-0.0004	0.0001	-0.0034	-0.0010	-0.0003	
12	0.0022	0.0006	0.0005	-0.0015	-0.0004	0.0001	-0.0036	-0.0010	-0.0003	

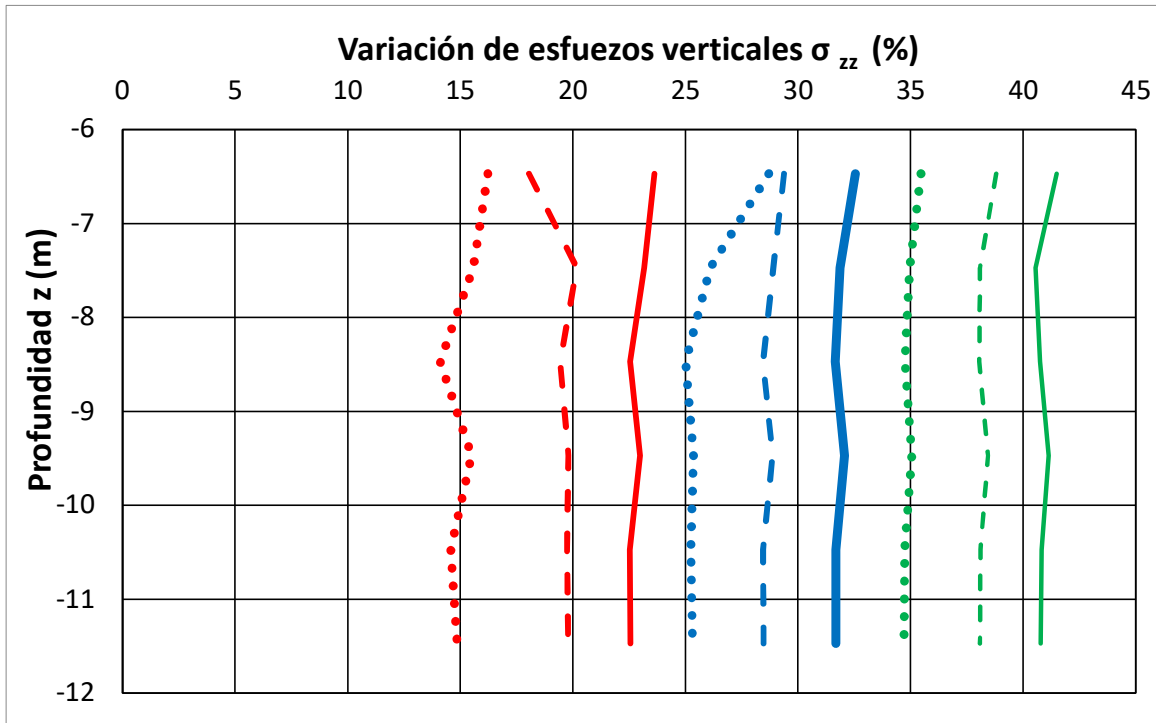


D	1.07 m	ESFUERZOS VERTICALES TOTALES								
AU	BATEA	E1			E2			E3		
Profundidad (m)	Escenario	suelta	media	densa	suelta	media	densa	suelta	media	densa
-6.47	1	-75.12	-75.18	-75.67	-82.98	-86.76	-87.23	-97.51	-100.68	-98.78
-7.47	1	-87.40	-87.82	-88.77	-99.31	-100.85	-101.74	-113.46	-113.23	-114.73
-8.47	1	-99.44	-99.64	-100.33	-114.28	-115.09	-115.73	-130.90	-129.60	-131.17
-9.47	1	-110.66	-110.71	-111.45	-127.18	-127.92	-128.61	-143.98	-144.25	-145.81
-10.47	1	-122.93	-123.08	-123.86	-140.84	-142.28	-142.99	-160.93	-159.61	-162.16
-11.47	1	-134.74	-134.88	-135.82	-154.13	-155.84	-156.67	-175.73	-174.73	-177.59

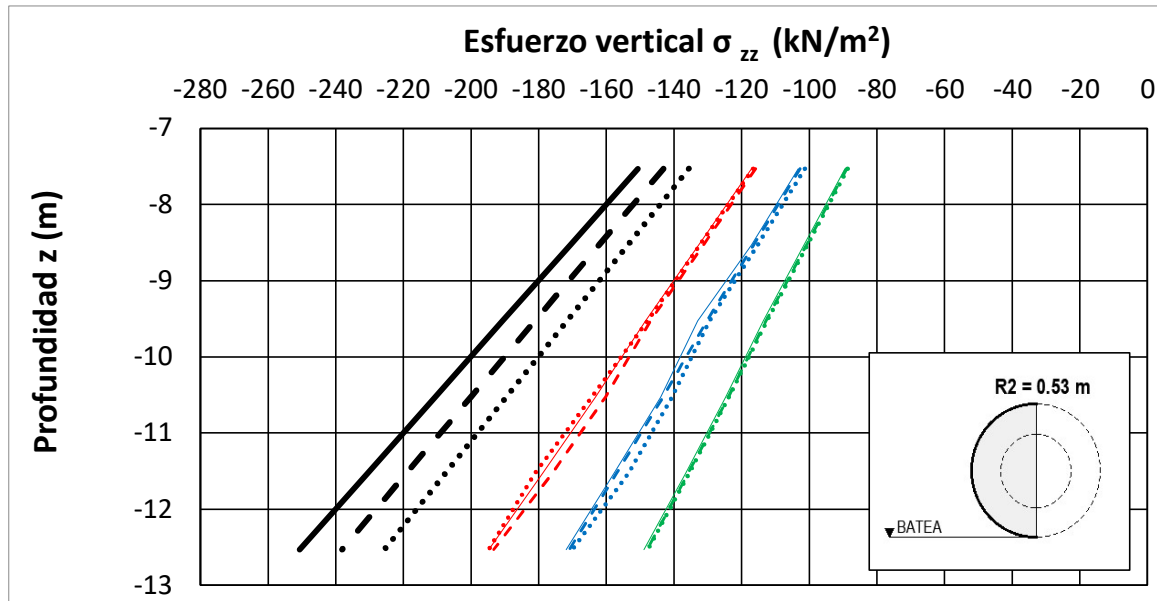


ESUERZOS INICIALES BATEA D3				
Sección	Profundidad	ARENA		
	(m)	Arena suelta	Arena media	Arena densa
F	-6.47	-116.4	-122.9	-129.3
E	-7.47	-134.4	-141.9	-149.3
D	-8.47	-152.4	-160.9	-169.3
C	-9.47	-170.4	-179.9	-189.3
B	-10.47	-188.4	-198.9	-209.3
A	-11.47	-206.4	-217.9	-229.3

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN											
Sección	Material	z (m)	E1	E2	E3	E1	E2	E3	E1	E2	E3
			suelta	media	densa	suelta	media	densa	suelta	media	densa
F	-6.47	35.5	38.8	41.5	28.7	29.4	32.6	16.2	18.1	23.6	
E	-7.47	35.0	38.1	40.6	26.1	28.9	31.9	15.6	20.2	23.2	
D	-8.47	34.8	38.1	40.7	25.0	28.5	31.7	14.1	19.4	22.5	
C	-9.47	35.1	38.4	41.1	25.4	28.9	32.1	15.5	19.8	23.0	
B	-10.47	34.7	38.1	40.8	25.2	28.5	31.7	14.6	19.7	22.5	
A	-11.47	34.7	38.1	40.8	25.3	28.5	31.7	14.9	19.8	22.6	

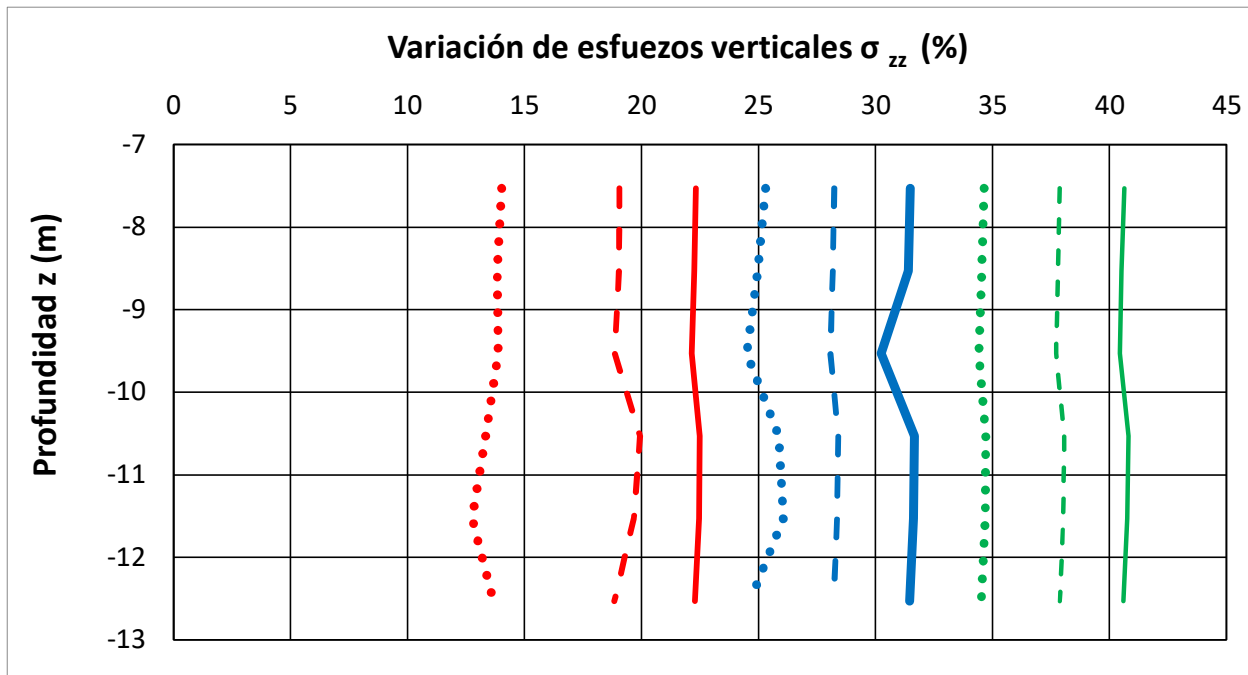


D	1.07 m	ESFUERZOS VERTICALES TOTALES								
AR	BATEA	E1			E2			E3		
Profundidad (m)	Escenario	suelta	media	densa	suelta	media	densa	suelta	media	densa
-7.53	1	-88.63	-88.93	-89.45	-101.29	-102.73	-103.24	-116.59	-115.87	-117.04
-8.53	1	-100.55	-100.85	-101.52	-115.25	-116.45	-117.08	-132.36	-131.28	-132.68
-9.53	1	-112.54	-112.81	-113.56	-129.56	-130.29	-133.00	-147.79	-146.99	-148.45
-10.53	2	-123.79	-123.95	-124.67	-140.56	-143.28	-143.96	-164.31	-160.24	-163.29
-11.53	2	-135.58	-135.82	-136.64	-153.49	-156.99	-157.73	-181.12	-176.04	-178.88
-12.53	2	-147.72	-147.94	-148.92	-170.04	-170.94	-171.83	-194.77	-193.27	-194.80

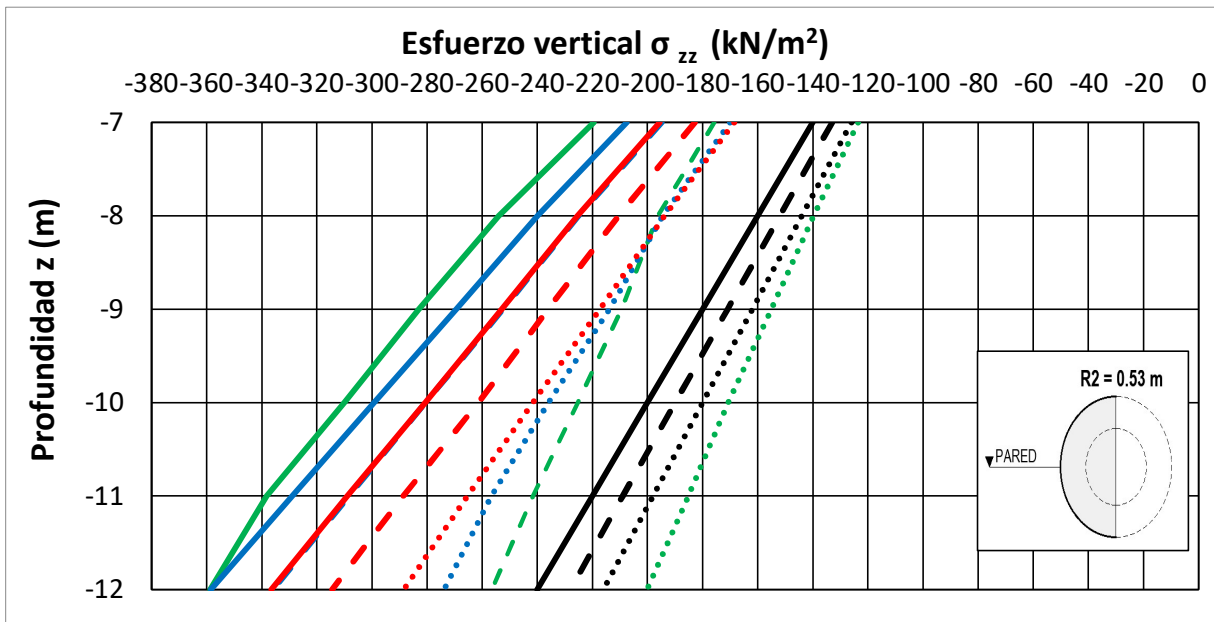


ESUERZOS INICIALES BATEA D3				
Sección	Profundidad	ARENA		
	(m)	Arena suelta	Arena media	Arena densa
F	-7.53	-135.6	-143.1	-150.7
E	-8.53	-153.6	-162.1	-170.7
D	-9.53	-171.6	-181.1	-190.7
C	-10.53	-189.6	-200.1	-210.7
B	-11.53	-207.6	-219.1	-230.7
A	-12.53	-225.6	-238.1	-250.7

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
		E1	E2	E3	E1	E2	E3	E1	E2	E3
		suelta	media	densa	suelta	media	densa	suelta	media	densa
Sección	Material z (m)	1	1	1	2	2	2	3	3	3
F	-7.53	34.6	37.9	40.6	25.3	28.2	31.5	14.0	19.1	22.3
E	-8.53	34.5	37.8	40.5	25.0	28.2	31.4	13.8	19.0	22.3
D	-9.53	34.4	37.7	40.4	24.5	28.1	30.2	13.9	18.9	22.1
C	-10.53	34.7	38.1	40.8	25.9	28.4	31.7	13.3	19.9	22.5
B	-11.53	34.7	38.0	40.8	26.1	28.4	31.6	12.8	19.7	22.5
A	-12.53	34.5	37.9	40.6	24.6	28.2	31.5	13.7	18.8	22.3

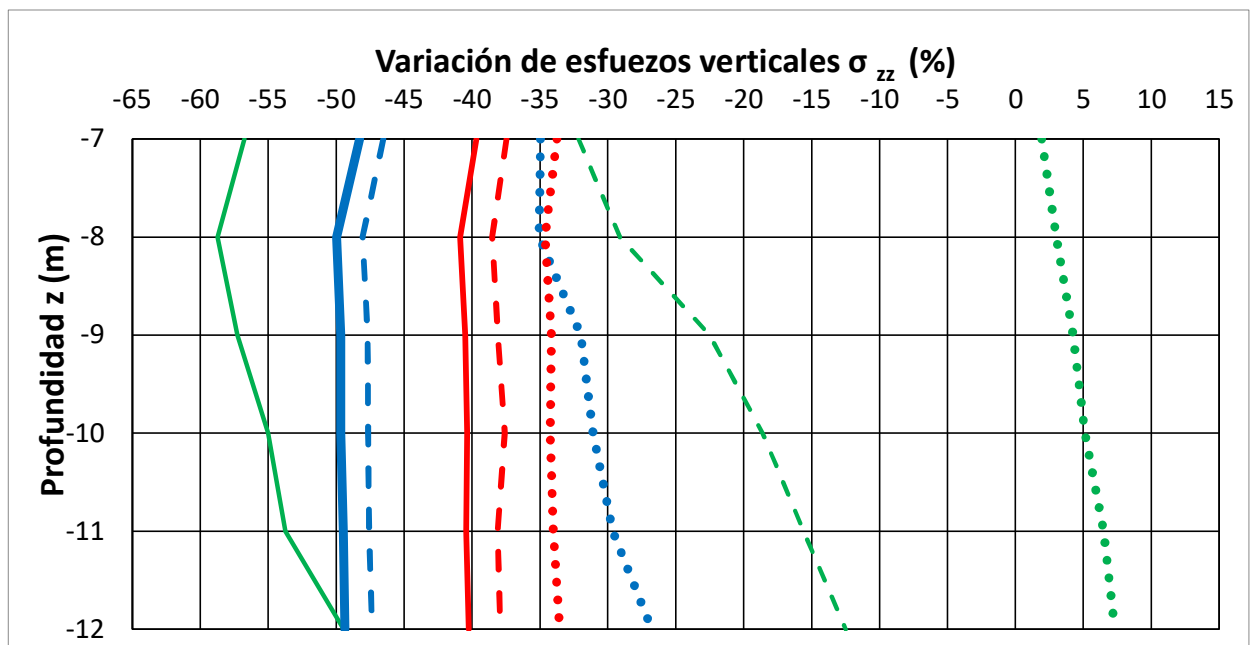


D	1.07 m	ESFUERZOS VERTICALES TOTALES								
AX	BATEA	E1			E2			E3		
Profundidad (m)		suelta	media	densa	suelta	media	densa	suelta	media	densa
Escenario		1	1	1	2	2	2	3	3	3
-7.0		-123.55	-175.77	-219.44	-170.04	-194.89	-207.58	-168.52	-182.83	-195.54
-8.0		-139.67	-196.25	-253.98	-194.48	-225.04	-239.95	-193.86	-210.54	-225.40
-9.0		-155.11	-209.49	-283.10	-213.84	-252.54	-269.40	-217.33	-236.13	-252.89
-10.0		-170.77	-225.34	-310.01	-235.95	-280.55	-299.29	-241.64	-261.43	-280.74
-11.0		-185.13	-241.59	-338.20	-256.67	-308.45	-328.85	-265.36	-288.67	-308.95
-12.0		-200.18	-256.47	-358.71	-273.81	-335.96	-358.46	-288.45	-314.48	-336.59



ESUERZOS INICIALES BATEA D3				
Sección	Profundidad (m)	ARENA		
		Arena suelta	Arena media	Arena densa
F	7.0	-126.0	-133.0	-140.0
E	8.0	-144.0	-152.0	-160.0
D	9.0	-162.0	-171.0	-180.0
C	10.0	-180.0	-190.0	-200.0
B	11.0	-198.0	-209.0	-220.0
A	12.0	-216.0	-228.0	-240.0

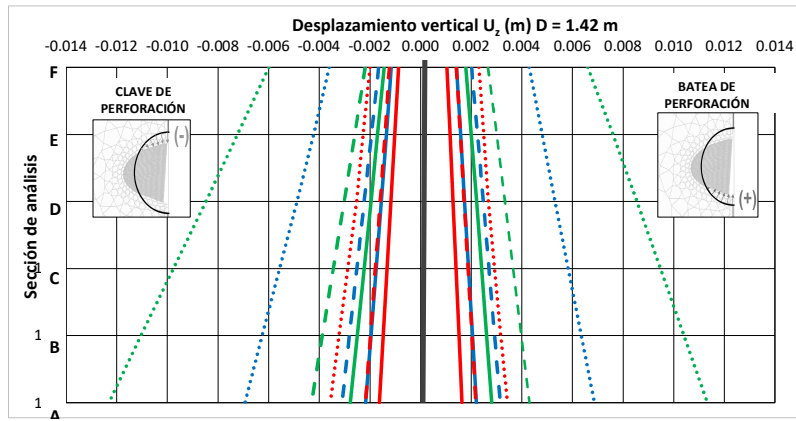
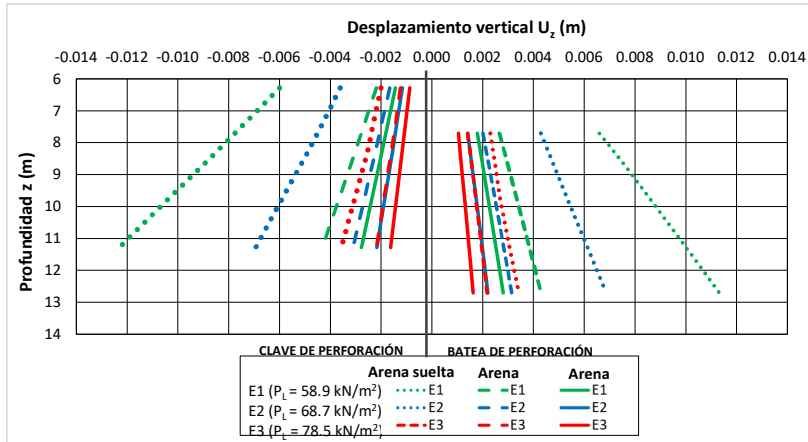
DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
		E1	E2	E3	E1	E2	E3	E1	E2	E3
		suelta	media	densa	suelta	media	densa	suelta	media	densa
Sección	Material z (m)	1	1	1	2	2	2	3	3	3
F	-7.0	1.9	-32.2	-56.7	-35.0	-46.5	-48.3	-33.7	-37.5	-39.7
E	-8.0	3.0	-29.1	-58.7	-35.1	-48.1	-50.0	-34.6	-38.5	-40.9
D	-9.0	4.3	-22.5	-57.3	-32.0	-47.7	-49.7	-34.2	-38.1	-40.5
C	-10.0	5.1	-18.6	-55.0	-31.1	-47.7	-49.6	-34.2	-37.6	-40.4
B	-11.0	6.5	-15.6	-53.7	-29.6	-47.6	-49.5	-34.0	-38.1	-40.4
A	-12.0	7.3	-12.5	-49.5	-26.8	-47.4	-49.4	-33.5	-37.9	-40.2



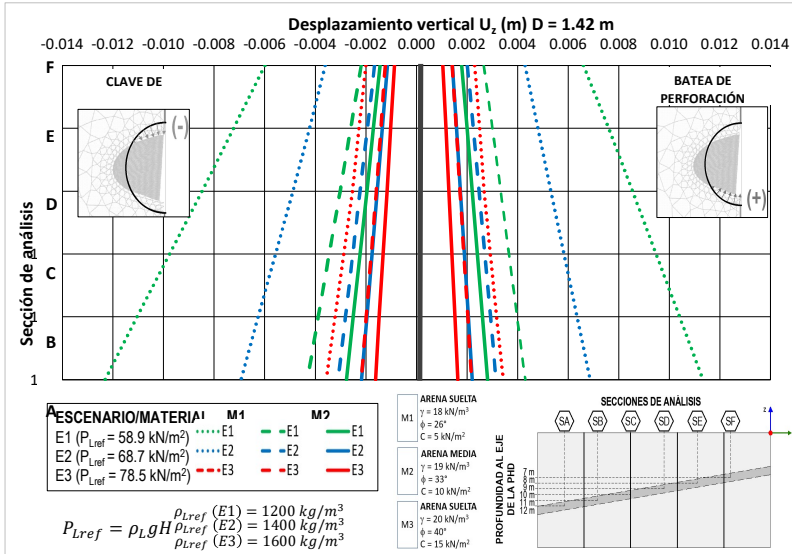
ANEXO 5.3

Gráficas consolidado Diámetro D3

D	1.4 m									
AT	BATEA			E2			E3			
	Arena	Suelta	Media	Densa	Suelta	Media	Densa	Suelta	Media	Densa
Profundidad (m)	1	1	1	2	2	2	3	3	3	3
7.711	0.0066	0.0027	0.0018	0.0043	0.0020	0.0014	0.0023	0.0014	0.0014	0.0010
8.711	0.0076	0.0030	0.0020	0.0048	0.0022	0.0016	0.0025	0.0016	0.0016	0.0012
9.711	0.0085	0.0033	0.0022	0.0053	0.0025	0.0017	0.0027	0.0017	0.0017	0.0013
11.7	0.0104	0.0040	0.0026	0.0063	0.0029	0.0021	0.0032	0.0020	0.0020	0.0015
12.711	0.0113	0.0043	0.0028	0.0069	0.0031	0.0022	0.0034	0.0022	0.0022	0.0016

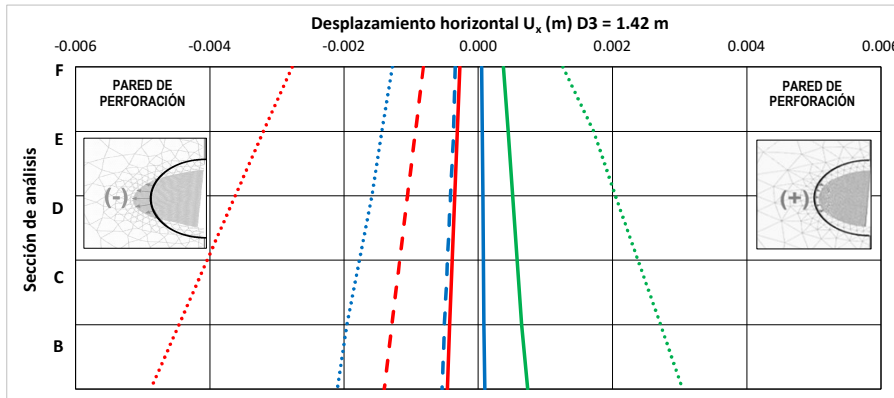
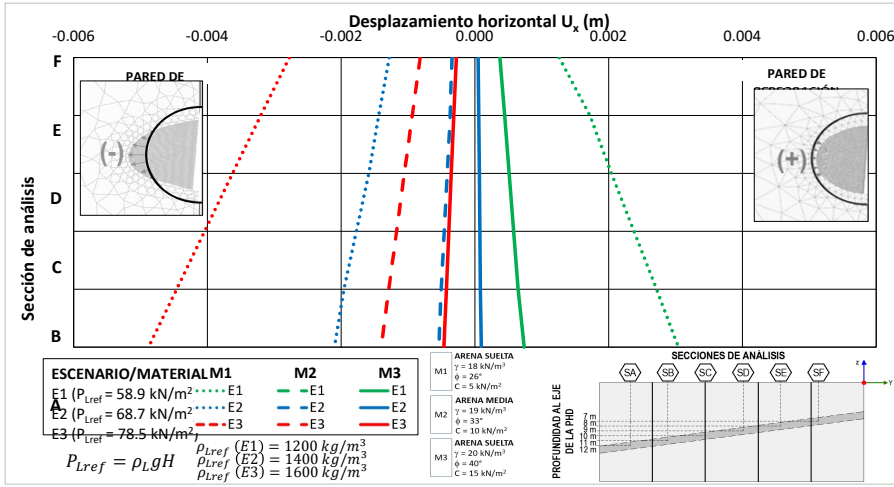


D	1.4 m								
AW	CLAVE			E2			E3		
Arena	Suelta	Media	Densa	Suelta	Media	Densa	Suelta	Media	Densa
Profundidad (m)	1	1	1	2	2	2	3	3	3
6.29	-0.0060	-0.0022	-0.0014	-0.0036	-0.0017	-0.0012	-0.0020	-0.0012	-0.0009
7.29	-0.0072	-0.0026	-0.0017	-0.0042	-0.0019	-0.0014	-0.0023	-0.0014	-0.0010
8.29	-0.0085	-0.0030	-0.0020	-0.0049	-0.0022	-0.0016	-0.0025	-0.0016	-0.0012
10.29	-0.0110	-0.0039	-0.0025	-0.0063	-0.0028	-0.0020	-0.0032	-0.0020	-0.0015
11.29	-0.0123	-0.0043	-0.0028	-0.0069	-0.0031	-0.0022	-0.0036	-0.0022	-0.0016

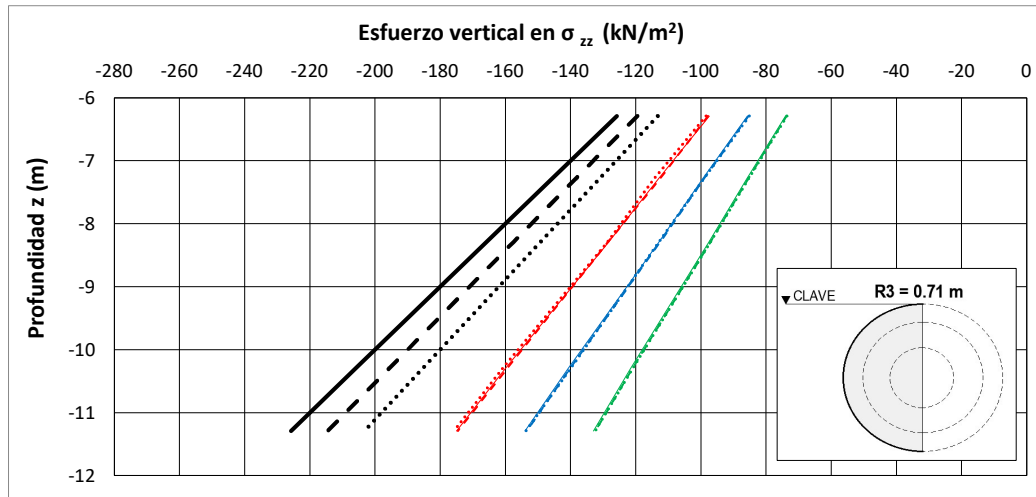


$$P_L = \rho_L g H$$

D	1.4 m	E1			E2			E3		
AZ	PARED	E1	E1	E1	E2	E2	E2	E3	E3	E3
Arena	suelta	media	densa	suelta	media	densa	suelta	media	densa	
Profundidad (m)	1	1	1	2	2	2	3	3	3	
7	0.0013	z	0.0004	-0.0013	-0.0003	0.0000	-0.0028	-0.0008	-0.0003	
8	0.0017	0.0004	0.0004	-0.0014	-0.0004	0.0001	-0.0032	-0.0009	-0.0003	
9	0.0020	0.0006	0.0005	-0.0016	-0.0004	0.0001	-0.0036	-0.0011	-0.0004	
11	0.0027	0.0008	0.0006	-0.0020	-0.0005	0.0001	-0.0045	-0.0013	-0.0004	
12	0.0030	0.0009	0.0007	-0.0021	-0.0005	0.0001	-0.0049	-0.0014	-0.0005	

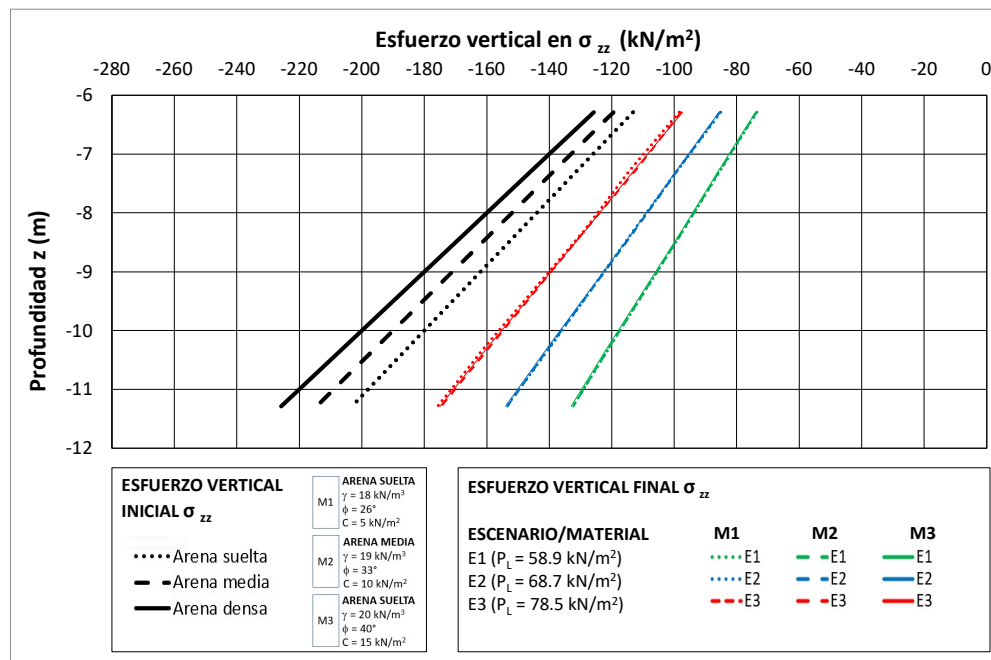
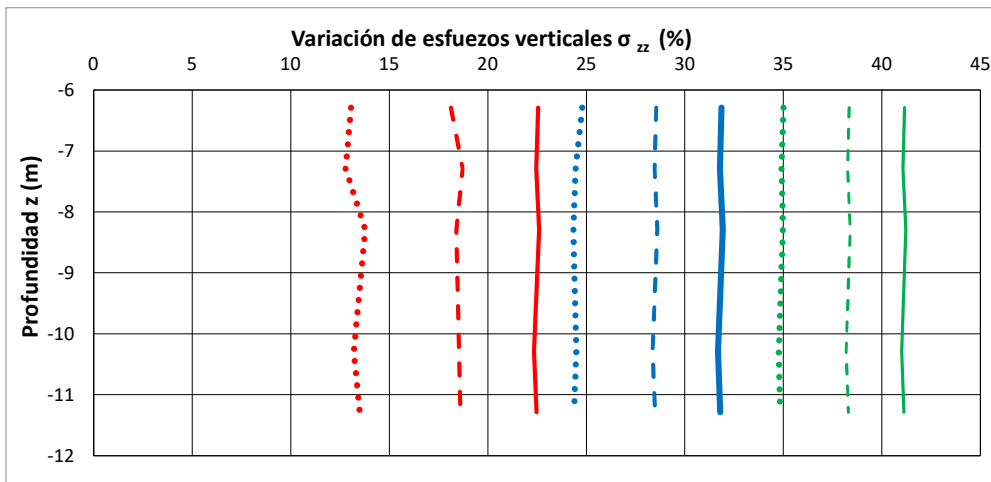


D	1.4 m	ESFUERZOS VERTICALES TOTALES								
AV	BATEA	E1			E2			E3		
Profundidad (m)		suelta	media	densa	suelta	media	densa	suelta	media	densa
Escenario		1	1	1	2	2	2	3	3	3
-6.29		-73.58	-73.68	-74.03	-85.13	-85.38	-85.72	-98.41	-97.82	-97.42
-7.29		-85.40	-85.50	-85.91	-99.12	-99.07	-99.46	-114.43	-112.56	-113.03
-8.29		-97.02	-97.04	-97.47	-112.88	-112.45	-112.87	-128.64	-128.51	-128.29
-10.29		-120.83	-120.86	-121.43	-139.85	-140.06	-140.60	-160.77	-159.28	-159.82
-11.29		-132.42	-132.36	-132.97	-153.68	-153.38	-153.97	-175.77	-174.56	-175.02

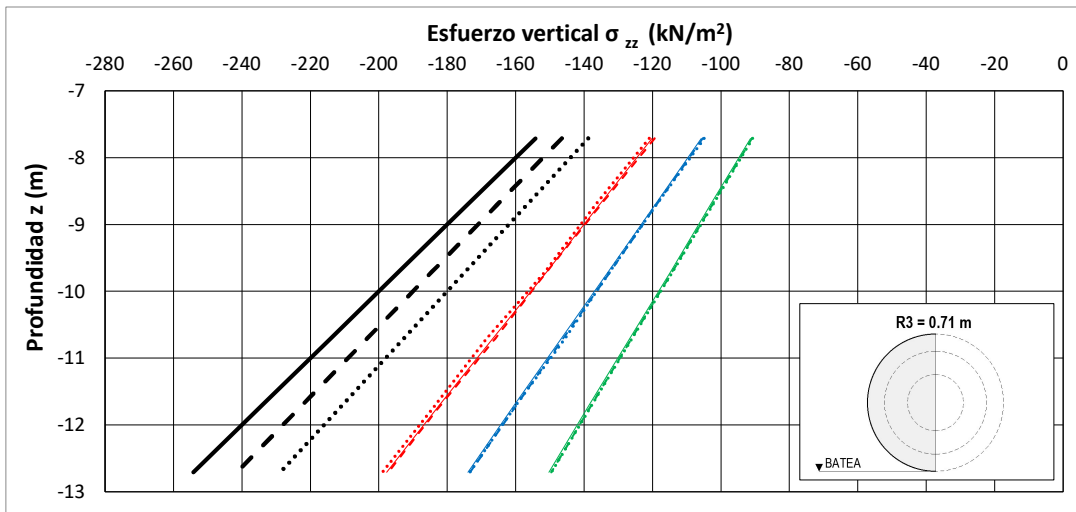


ESFUERZOS INICIALES BATEA D3				
Sección	Profundidad (m)	ARENA		
		Arena suelta	Arena media	Arena densa
F	-6.29	-113.2	-119.5	-125.8
E	-7.29	-131.2	-138.5	-145.8
D	-8.29	-149.2	-157.5	-165.8
B	-10.29	-185.2	-195.5	-205.8
A	-11.29	-203.2	-214.5	-225.8

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
Sección	Material z (m)	E1			E2			E3		
		suelta	media	densa	suelta	media	densa	suelta	media	densa
F	-6.29	35.0	38.3	41.1	24.8	28.5	31.9	13.1	18.1	22.5
E	-7.29	34.9	38.3	41.1	24.5	28.5	31.8	12.8	18.7	22.5
D	-8.29	35.0	38.4	41.2	24.3	28.6	31.9	13.8	18.4	22.6
B	-10.29	34.8	38.2	41.0	24.5	28.4	31.7	13.2	18.5	22.3
A	-11.29	34.8	38.3	41.1	24.4	28.5	31.8	13.5	18.6	22.5

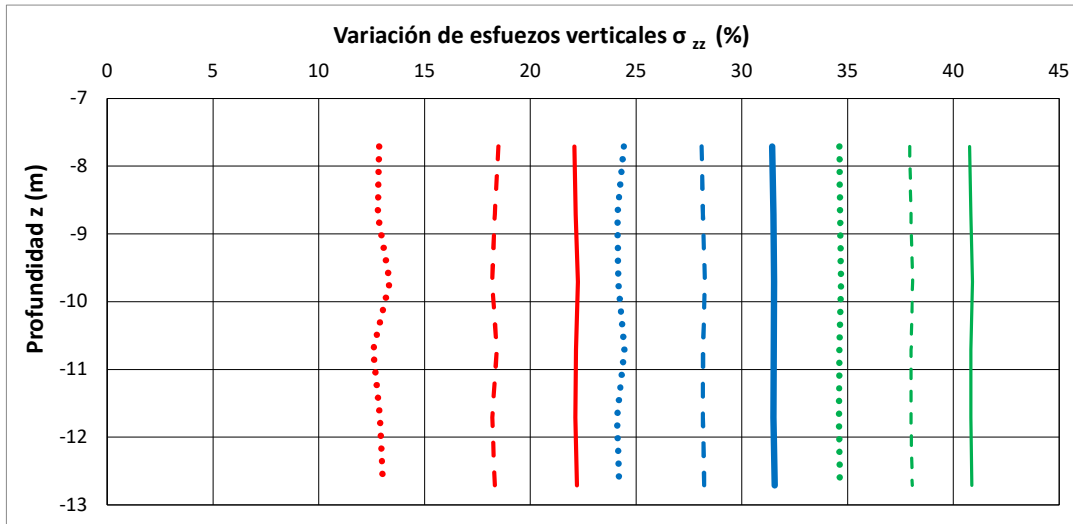


D	1.4 m	ESFUERZOS VERTICALES TOTALES								
AS	BATEA	E1			E2			E3		
Profundidad (m)	suelta	media	densa	suelta	media	densa	suelta	media	densa	
Escenario	1	1	1	2	2	2	3	3	3	
-7.71	-90.75	-90.93	-91.34	-104.90	-105.34	-105.74	-120.96	-119.41	-120.16	
-8.71	-102.48	-102.62	-103.09	-118.98	-118.90	-119.35	-136.75	-135.19	-135.64	
-9.71	-114.16	-114.26	-114.76	-132.57	-132.38	-133.00	-151.45	-150.93	-151.02	
-10.71	-126.06	-126.17	-126.74	-145.66	-146.18	-146.73	-168.56	-166.03	-166.77	
-11.71	-137.87	-137.96	-138.59	-160.00	-159.85	-160.45	-183.63	-182.02	-182.38	
-12.71	-149.55	-149.61	-150.30	-173.41	-173.34	-174.00	-198.97	-197.27	-197.76	
		-4.02	-4.20	-4.61						
		-3.73	-3.87	-4.34						
		-3.71	-3.79	-4.42						
		-4.29	-4.35	-5.04						

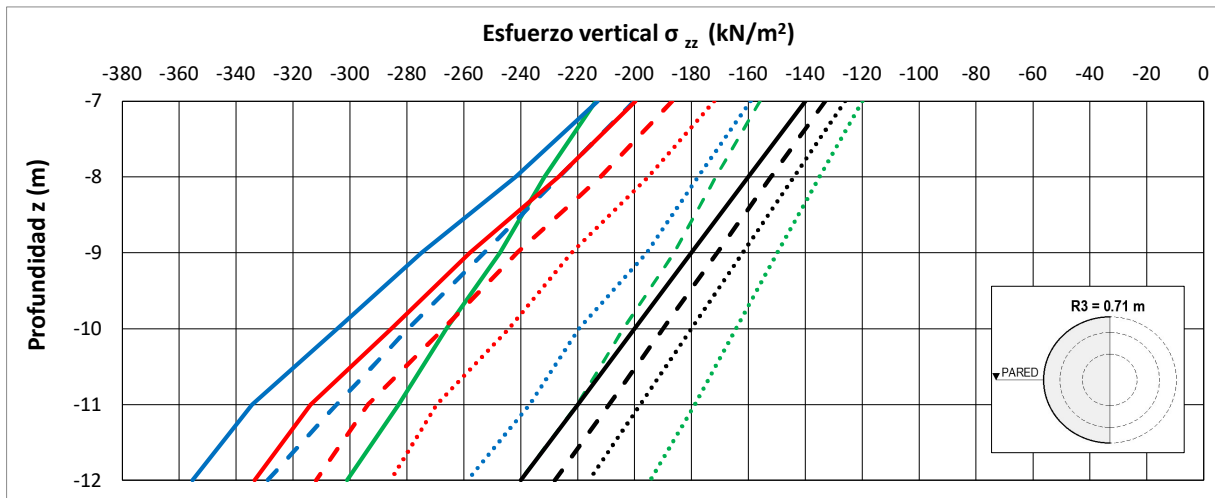


ESUERZOS INICIALES BATEA D3				
Sección	Profundidad (m)	ARENA		
		Arena suelta	Arena media	Arena densa
F	-7.71	-138.8	-146.5	-154.2
E	-8.71	-156.8	-165.5	-174.2
D	-9.71	-174.8	-184.5	-194.2
C	-10.71	-192.8	-203.5	-214.2
B	-11.71	-210.8	-222.5	-234.2
A	-12.71	-228.8	-241.5	-254.2

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
Sección	Material z (m)	E1			E2			E3		
		suelta	media	densa	suelta	media	densa	suelta	media	densa
F	-7.71	34.6	37.9	40.8	24.4	28.1	31.4	12.8	18.5	22.1
E	-8.71	34.6	38.0	40.8	24.1	28.2	31.5	12.8	18.3	22.1
D	-9.71	34.7	38.1	40.9	24.2	28.3	31.5	13.4	18.2	22.2
C	-10.71	34.6	38.0	40.8	24.5	28.2	31.5	12.6	18.4	22.2
B	-11.71	34.6	38.0	40.8	24.1	28.2	31.5	12.9	18.2	22.1
A	-12.71	34.6	38.1	40.9	24.2	28.2	31.6	13.0	18.3	22.2



D	1.4 m	ESFUERZOS VERTICALES TOTALES								
AY	BATEA	E1			E2			E3		
Profundidad (m)	suelta	media	densa	suelta	media	densa	suelta	media	densa	
Escenario	1	1	1	2	2	2	3	3	3	
-7.0	-119.94	-155.92	-213.65	-159.23	-200.14	-212.99	-172.01	-186.79	-199.65	
-8.0	-135.02	-171.45	-231.63	-177.68	-226.53	-241.70	-195.17	-211.96	-226.66	
-9.0	-149.87	-186.08	-247.31	-195.78	-252.86	-274.83	-222.19	-241.26	-257.83	
-10.0	-164.34	-203.96	-266.11	-219.55	-279.57	-304.56	-244.13	-267.15	-285.57	
-11.0	-178.83	-220.10	-282.89	-236.83	-304.65	-334.40	-269.53	-293.70	-313.80	
-12.0	-194.46	-240.11	-301.00	-258.68	-328.96	-355.36	-285.74	-311.90	-333.48	



ESFUERZOS INICIALES BATEA D3				
Sección	Profundidad (m)	ARENA		
		Arena suelta	Arena media	Arena densa
F	7.0	-126.0	-133.0	-140.0
E	8.0	-144.0	-152.0	-160.0
D	9.0	-162.0	-171.0	-180.0
C	10.0	-180.0	-190.0	-200.0
B	11.0	-198.0	-209.0	-220.0
A	12.0	-216.0	-228.0	-240.0

DIFERENCIA DE ESFUERZOS VERTICALES TOTALES TRAS EXCAVACIÓN										
Sección	Material z (m)	E1			E2			E3		
		suelta	media	densa	suelta	media	densa	suelta	media	densa
F	-7.0	4.8	-17.2	-52.6	-26.4	-50.5	-52.1	-36.5	-40.4	-42.6
E	-8.0	6.2	-12.8	-44.8	-23.4	-49.0	-51.1	-35.5	-39.4	-41.7
D	-9.0	7.5	-8.8	-37.4	-20.8	-47.9	-52.7	-37.2	-41.1	-43.2
C	-10.0	8.7	-7.3	-33.1	-22.0	-47.1	-52.3	-35.6	-40.6	-42.8
B	-11.0	9.7	-5.3	-28.6	-19.6	-45.8	-52.0	-36.1	-40.5	-42.6
A	-12.0	10.0	-5.3	-25.4	-19.8	-44.3	-48.1	-32.3	-36.8	-38.9

