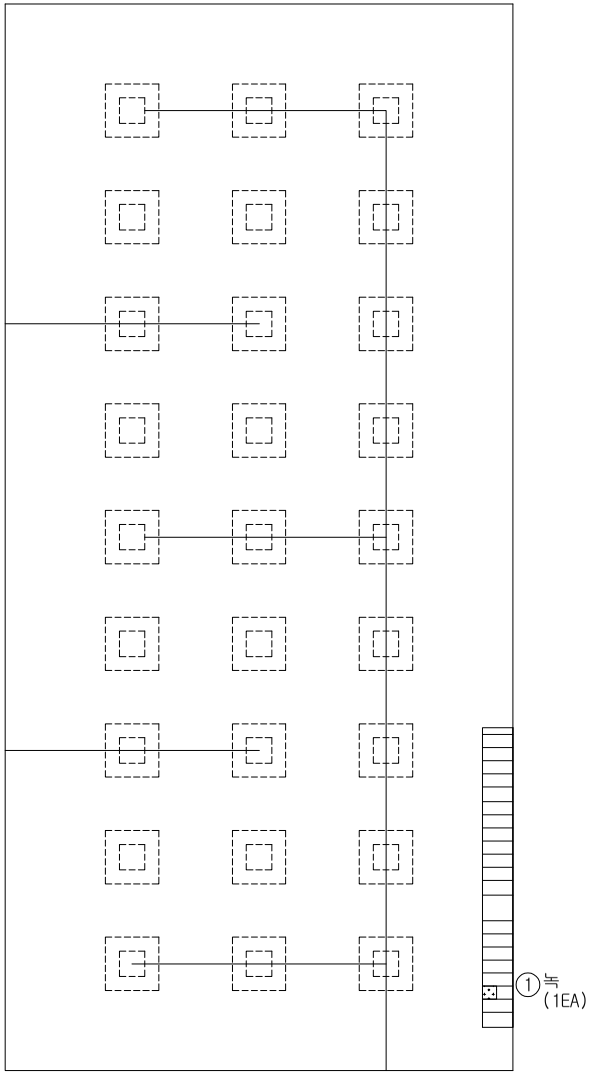
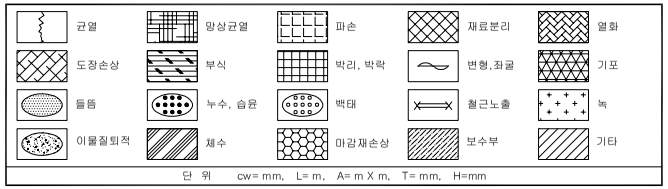
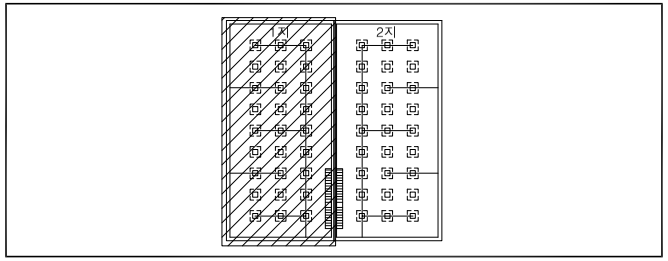


범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	녹	-	-	1	1.00	EA	신규
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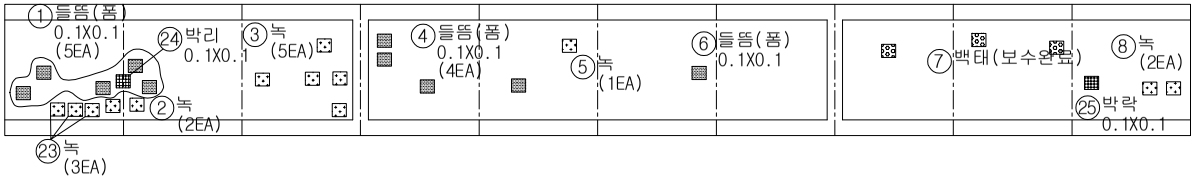
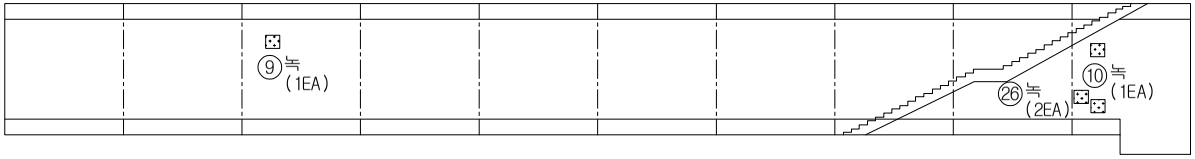
25							

CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 상부슬래브	이기우	DATE	2021. 06.
					DRAWING NO.	01

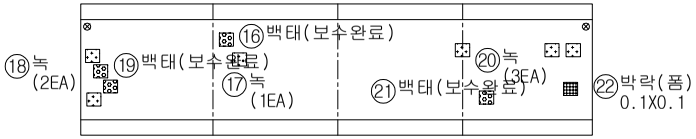
A11-A1



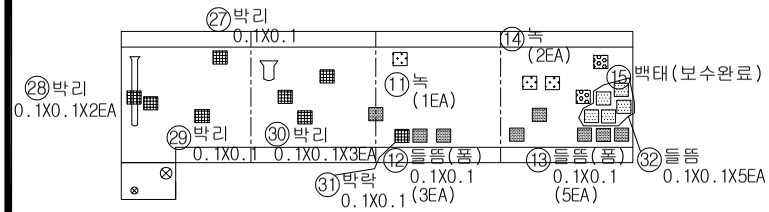
E1-E11



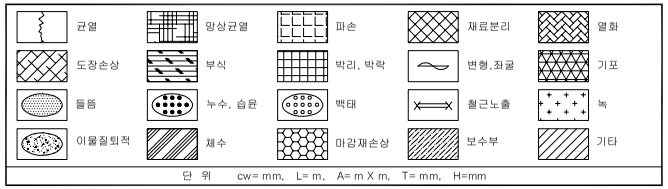
A1-E1



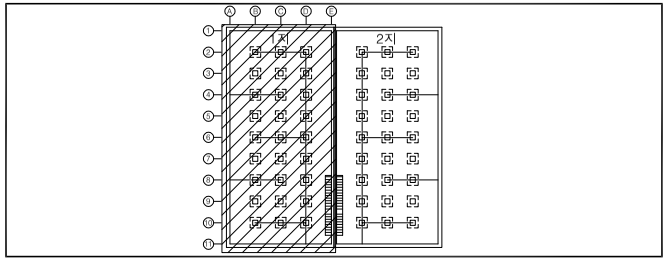
E11-A11



범 례



KEY PLAN



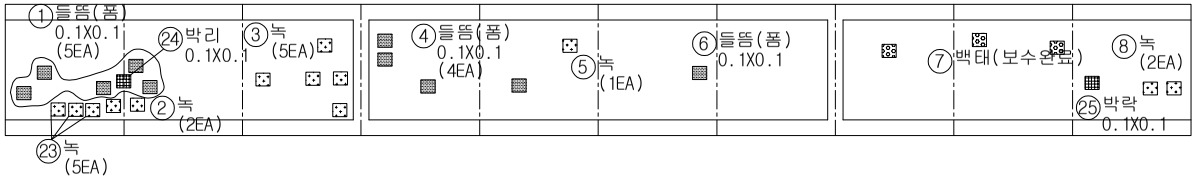
손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	들뜸(폼)	0.1	0.1	5	0.05	㎡	기존
2	녹	-	-	2	2.00	EA	기존
3	녹	-	-	5	5.00	EA	기존
4	들뜸(폼)	0.1	0.1	4	0.04	㎡	기존
5	녹	-	-	1	1.00	EA	기존
6	들뜸(폼)	0.1	0.1	1	0.01	㎡	기존
7	백태	-	-	-	-	-	보수
8	녹	-	-	2	2.00	EA	기존
9	녹	-	-	1	1.00	EA	기존
10	녹	-	-	1	1.00	EA	기존
11	녹	-	-	1	1.00	EA	기존
12	들뜸(폼)	0.1	0.1	3	0.03	㎡	기존
13	들뜸(폼)	0.1	0.1	5	0.05	㎡	기존
14	녹	-	-	2	2.00	EA	기존
15	백태	-	-	-	-	-	보수
16	백태	-	-	-	-	-	보수
17	녹	-	-	1	1.00	EA	기존
18	녹	-	-	2	2.00	EA	기존
19	백태	-	-	-	-	-	보수
20	녹	-	-	3	3.00	EA	기존
21	백태	-	-	-	-	-	보수
22	박락(폼)	0.1	0.1	1	0.01	㎡	기존
23	녹	-	-	3	3.00	EA	신규
24	박리	0.1	0.1	1	0.01	㎡	신규
25	박락	0.1	0.1	1	0.01	㎡	신규

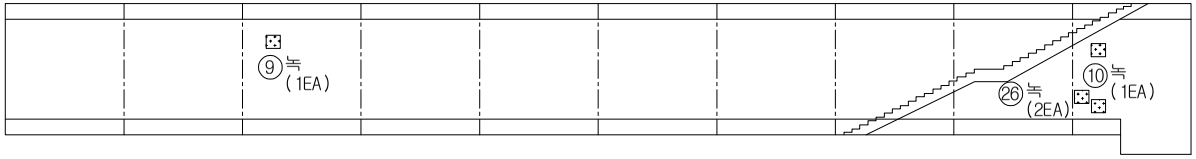
CLIENT	PROJECT	TITLE	사업책임 기술자	
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 벽체	이기우

SCALE	NONE
DATE	2021. 06.
DRAWING NO.	02

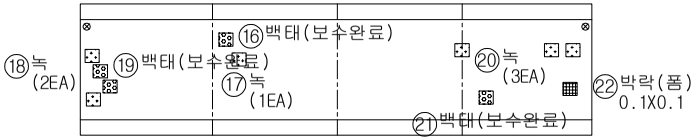
A11-A1



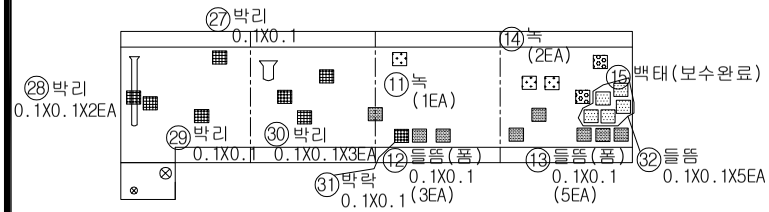
E1-E11



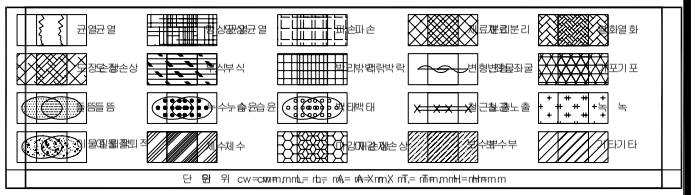
A1-E1



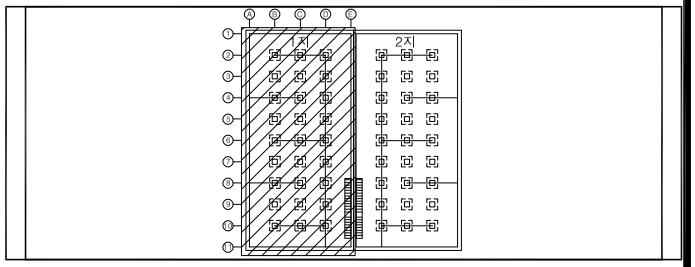
E11-A11



범범 례례



KEY PLAN



손상물량집계표

번호	내용	손상규모					비고
		폭	길이	개소	물량	단위	
26	녹	-	-	2	2.00	EA	신규
27	박리	0.1	0.1	1	0.01	㎡	신규
28	박리	0.1	0.1	2	0.02	㎡	신규
29	박리	0.1	0.1	1	0.01	㎡	신규
30	박리	0.1	0.1	3	0.03	㎡	신규
31	박락	0.1	0.1	1	0.01	㎡	신규
32	들뜸	0.1	0.1	5	0.05	㎡	신규
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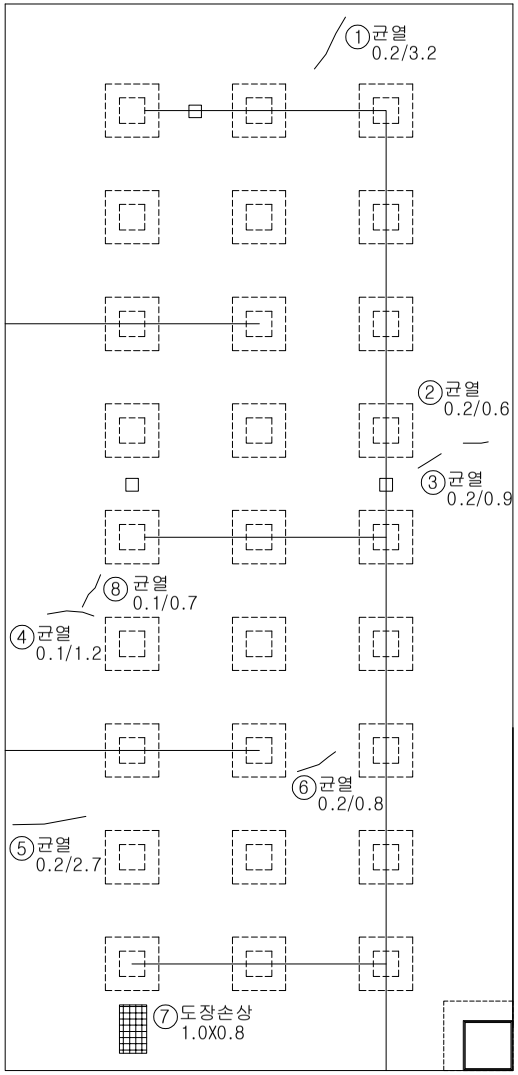
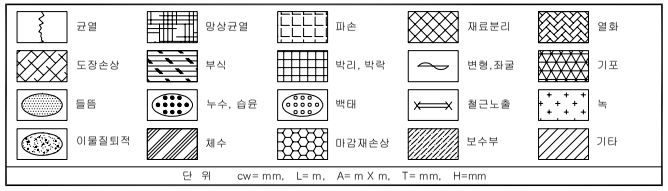
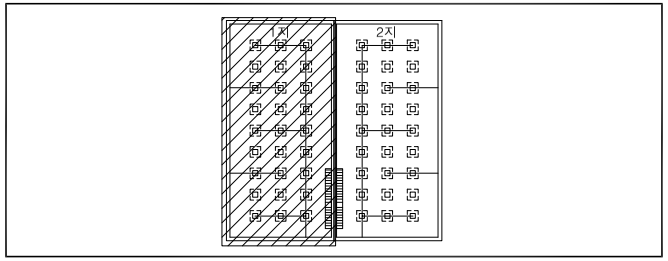
CLIENT	화성시	(재)한국건설품질연구원 (주)신 일 엔지니어 (주)한 울 라이브러리 스	PROJECT	2021년 화성시 상수도시설물 안전점검 (정기점검, 정밀점검 및 내진성능평가) 용역	TITLE 마도배수지(증설) - 1지 벽체
사업책임자(기술자)	이재영석	SCALE NONE	DATE 2021. 06.	DRAWING NO. 02	



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	균열	0.2	3.2	1	3.20	m	기존
2	균열	0.2	0.6	1	0.60	m	기존
3	균열	0.2	0.9	1	0.90	m	기존
4	균열	0.1	1.2	1	1.20	m	기존
5	균열	0.2	2.7	1	2.70	m	기존
6	균열	0.2	0.8	1	0.80	m	기존
7	도장손상	1.0	0.8	1	0.80	㎡	기존
8	균열	0.1	0.7	1	0.7	m	신규
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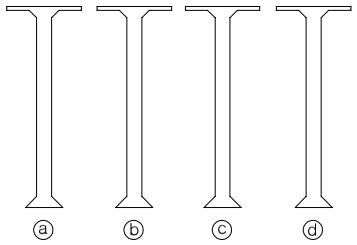
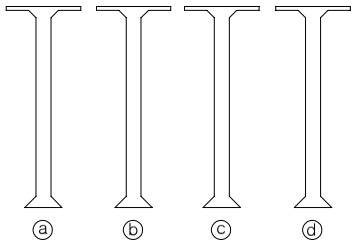
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 하부슬래브	이기우	DATE	2021. 06.
					DRAWING NO.	03

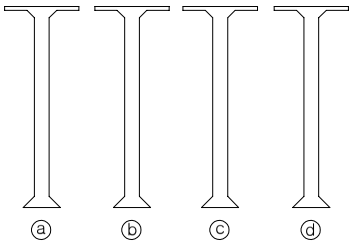
B2



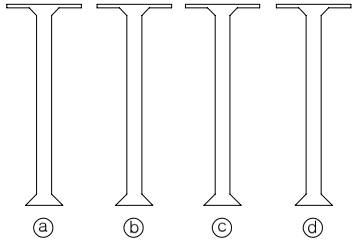
B3



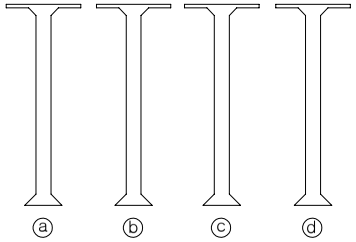
B4



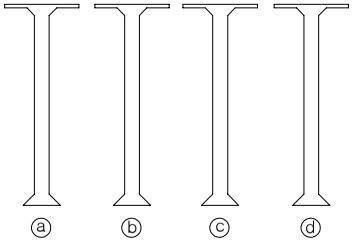
B5



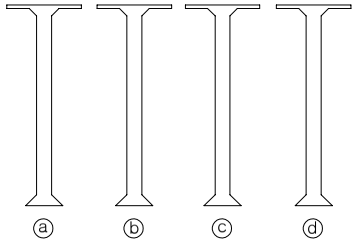
B6



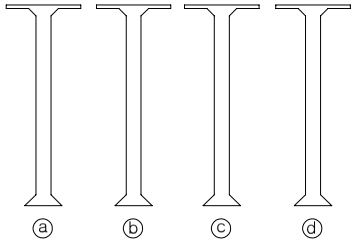
B7



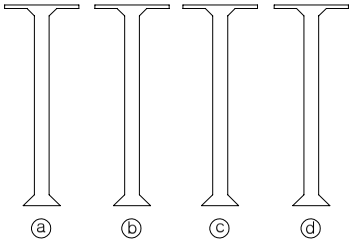
B8



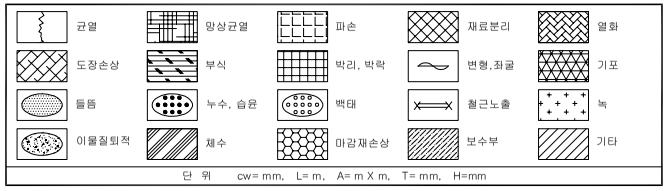
B9



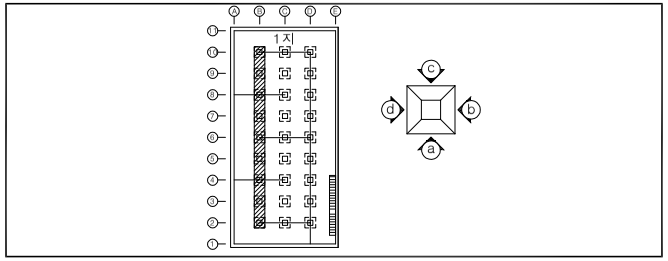
B10



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	상태양호						
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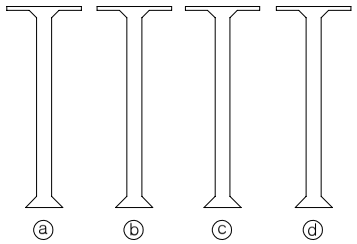
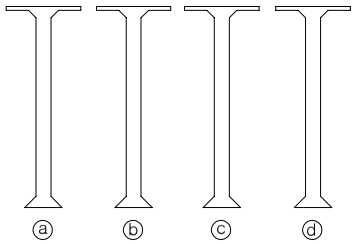
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 기둥(1)	이기우	DATE	2021. 06.
					DRAWING NO.	04

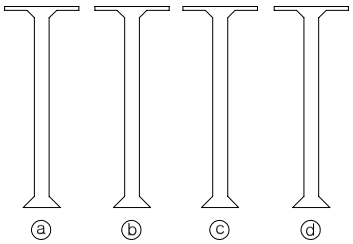
C2



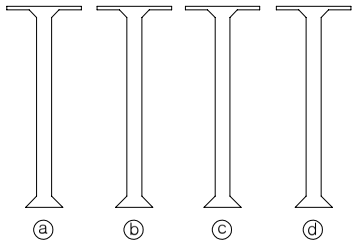
C3



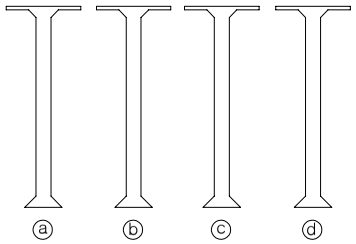
C4



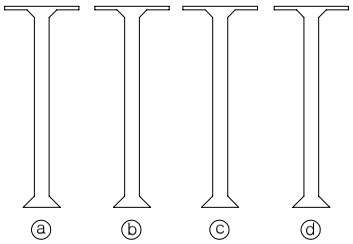
C5



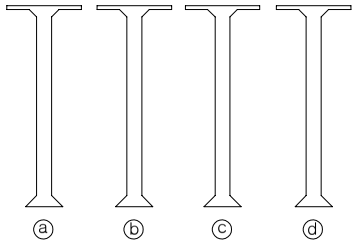
C6



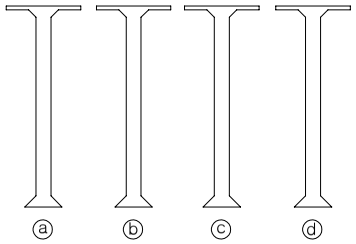
C7



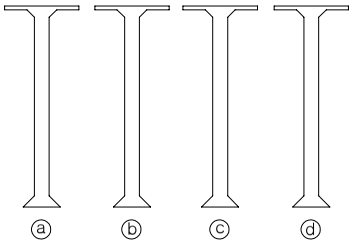
C8



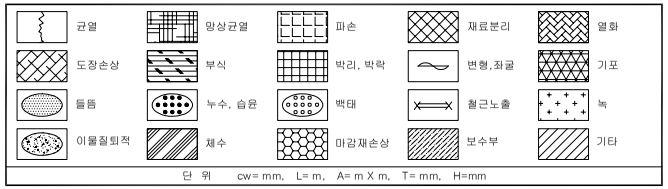
C9



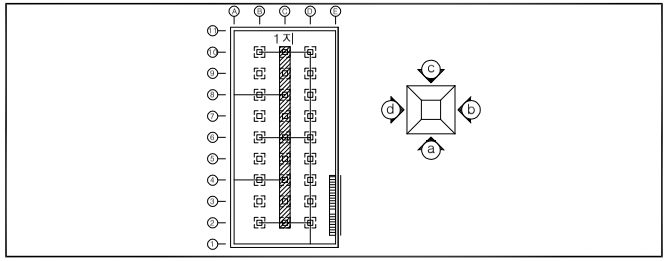
C10



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	상태양호						
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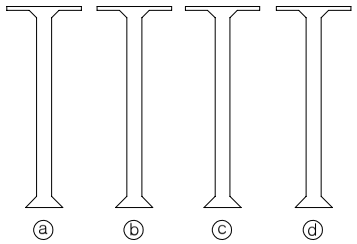
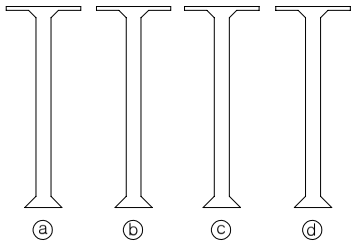
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 기둥(2)	이기우	DATE	2021. 06.
					DRAWING NO.	05

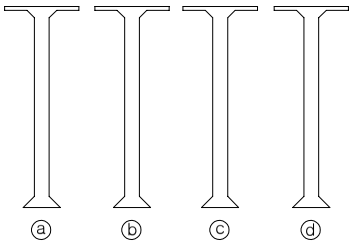
D2



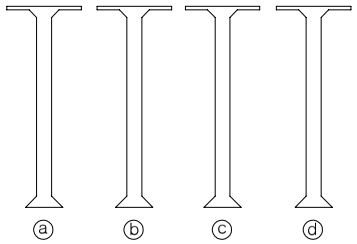
D3



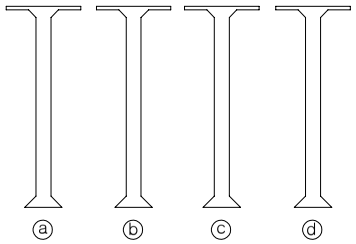
D4



D5



D6



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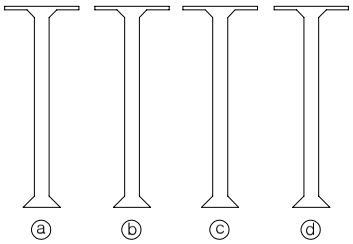

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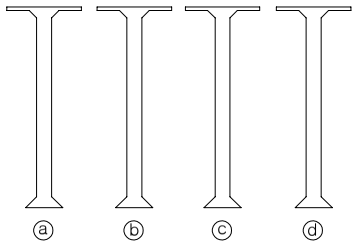
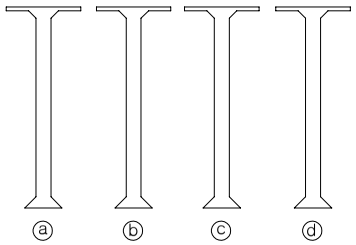


D9



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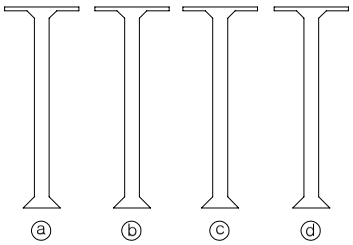

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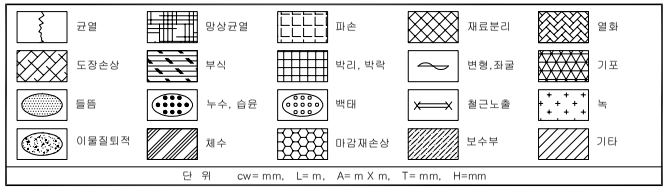
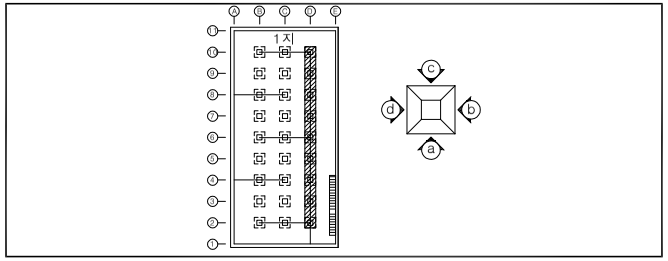


KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
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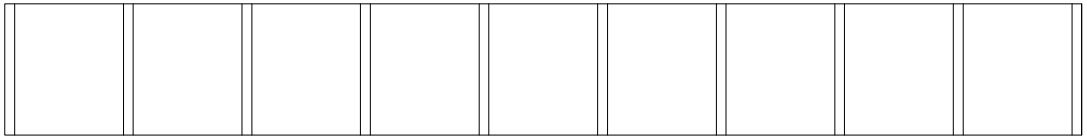
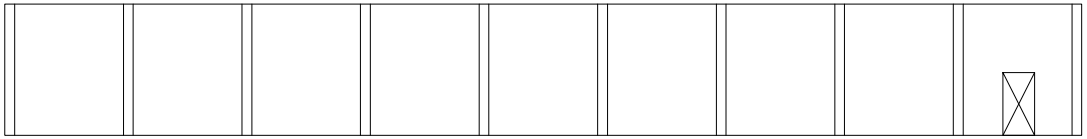
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 기둥(3)	이기우	DATE	2021. 06.
					DRAWING NO.	06

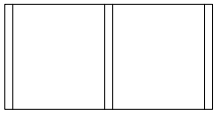
D2-D10



D10-D2



D2-B2



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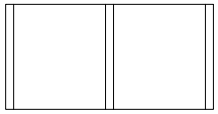
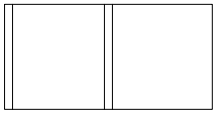
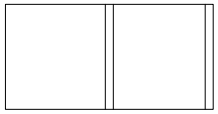


C4-A4



A4-C4



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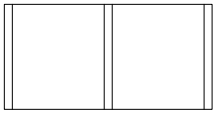
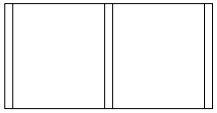


B6-D6



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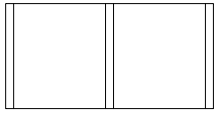

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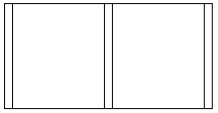

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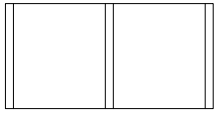
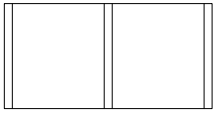


B10-D10

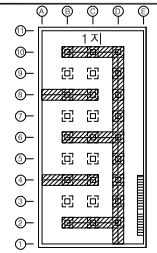


범 례

균열	망상균열	파손	재료분리	열화
도장손상	부식	박리, 박락	변형,좌굴	기포
들뜸	누수, 습윤	백태	철근노출	녹
이물질퇴적	체수	마감재손상	보수부	기타

단 위 cw= mm, L= m, A= m X m, T= mm, H=mm

KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	상태양호						
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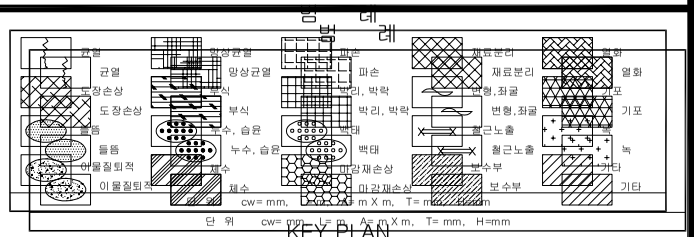
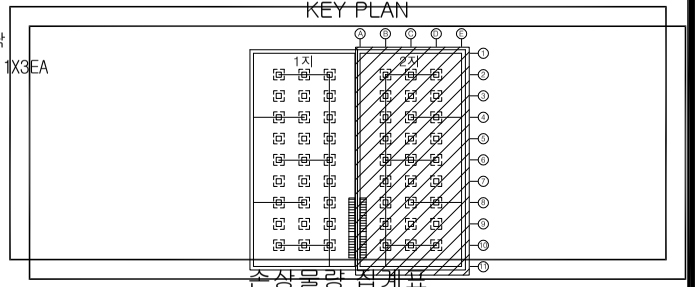
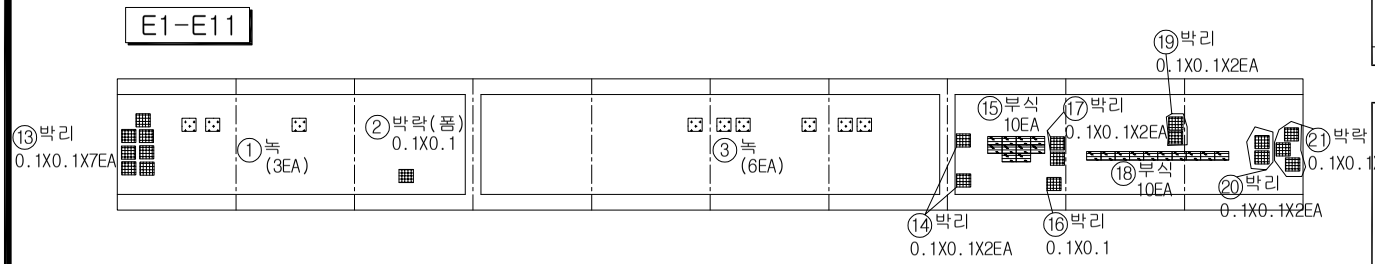
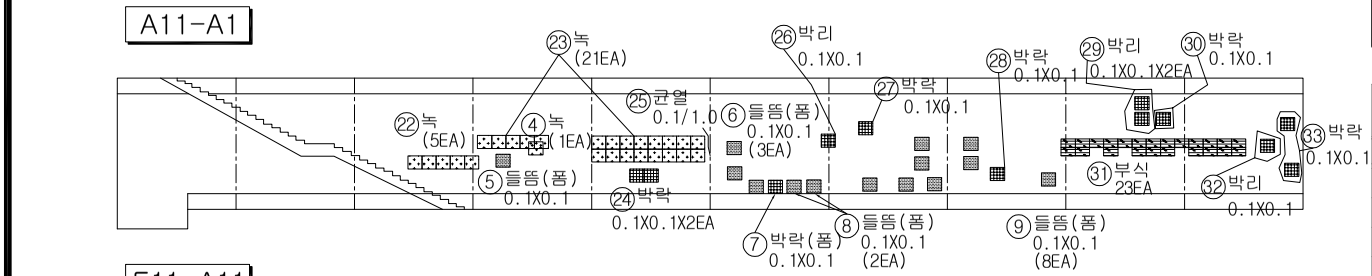
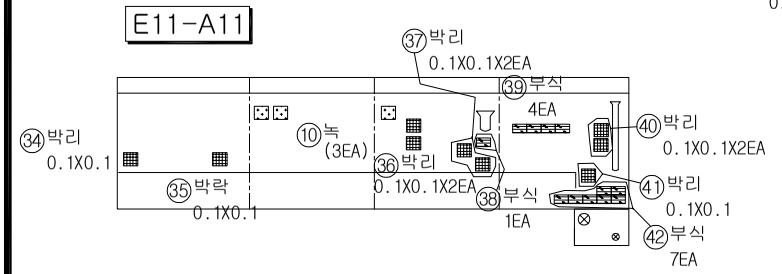
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 1지 도류벽	이기우	DATE	2021. 06.
					DRAWING NO.	07

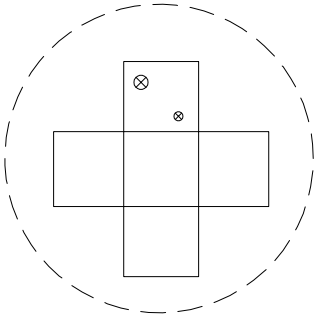


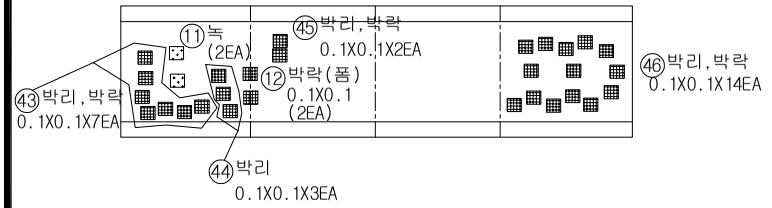












손상물량 집계표

번호	내 용	폭	길 이	개 소	물 량	단 위	비 고
번호	내 용	폭	길 이	개 소	물 량	단 위	비 고
1	26 박리	0.1	0.1	1	0.01	㎡	신규
2	27 박락	0.1	0.1	1	0.01	㎡	신규
3	28 박락	0.1	0.1	1	0.01	㎡	신규
4	29 박리	0.1	0.1	2	0.02	㎡	신규
5	30 박락	0.1	0.1	1	0.01	㎡	신규
6	31 부식	-	-	23	23.0	EA	신규
7	32 박리	0.1	0.1	1	0.01	㎡	신규
8	33 박락	0.1	0.1	2	0.02	㎡	신규
9	34 박리	0.1	0.1	1	0.01	㎡	신규
10	35 박락	0.1	0.1	1	0.01	㎡	신규
11	36 박리	0.1	0.1	2	0.02	㎡	신규
12	37 박리	0.1	0.1	2	0.02	㎡	신규
13	38 부식	-	-	1	1.0	EA	신규
14	39 부식	-	-	4	4.0	EA	신규
15	40 박리	0.1	0.1	2	0.02	㎡	신규
16	41 박리	0.1	0.1	1	0.01	㎡	신규
17	42 부식	-	-	7	7.00	EA	신규
18	43 박리,박락	0.1	0.1	7	0.07	㎡	신규
19	44 박리	0.1	0.1	3	0.03	㎡	신규
20	45 박리,박락	0.1	0.1	2	0.02	㎡	신규
21	46 박리,박락	0.1	0.1	14	0.14	㎡	신규
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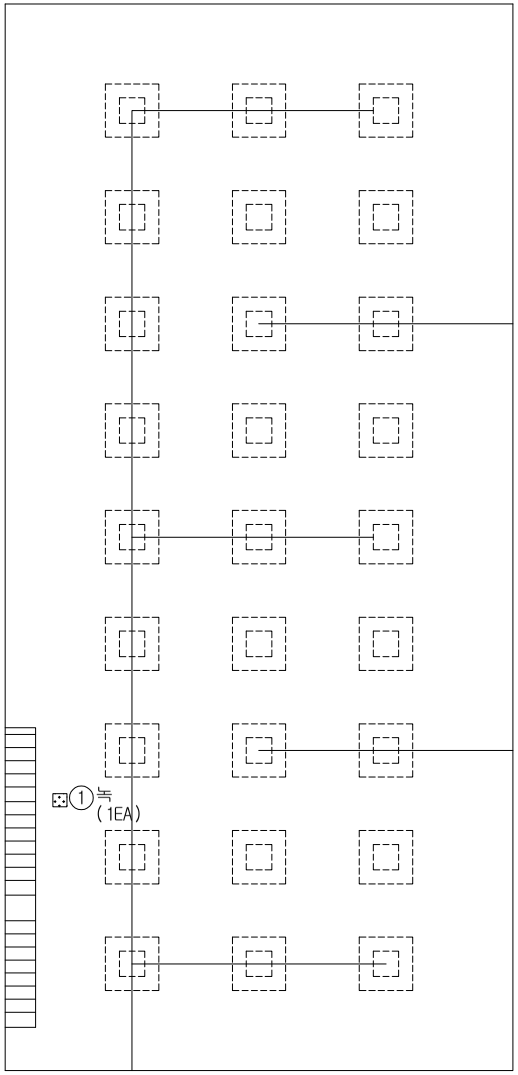
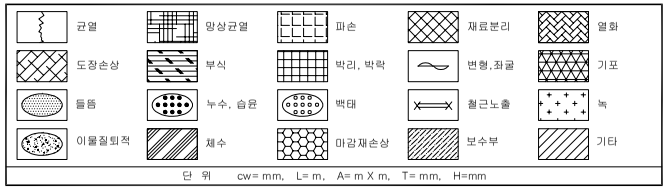
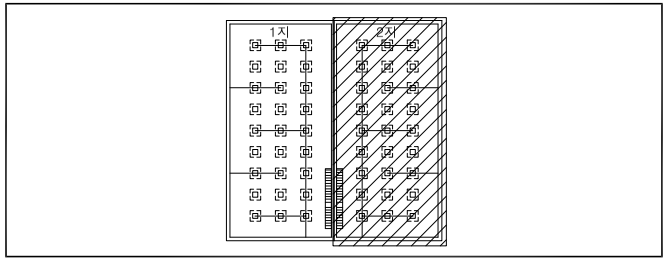
CLIENT 화성시 맑은물사업소	(주)선라이엘씨 (주)일 포 라 폴 라 소	PROJECT 2024년 화성시 상수도시설물 안전점검 (정기점검, 정밀점검 및 내진성능평가) 용역	TITLE 마도배수지(증설) - 2지 벽체	사업책임 기술자 이기우 주경석
				SCALE NONE
				DATE 2021. 06.
				DRAWING NO.
				DATE 2021. 06.



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	녹	-	-	1	1.00	EA	신규
2							
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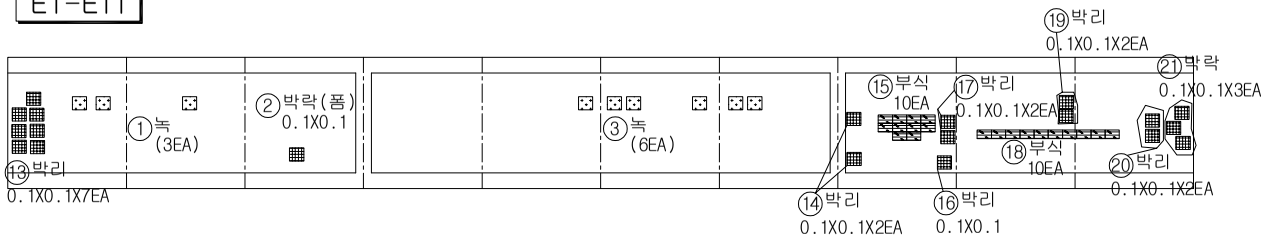
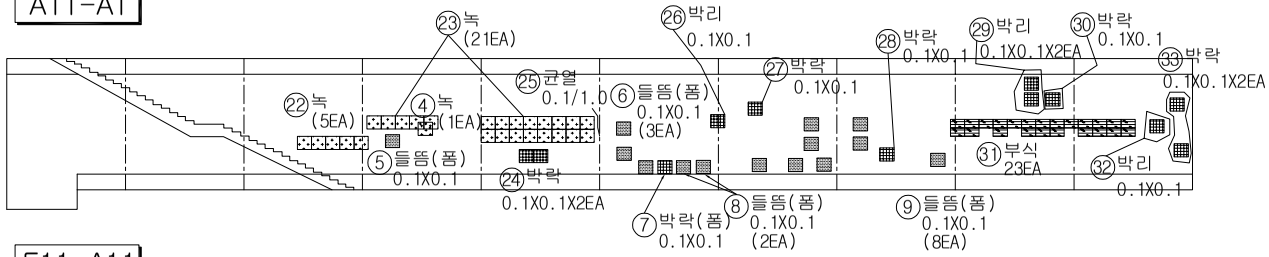
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 상부슬래브	이기우	DATE	2021. 06.
					DRAWING NO.	08

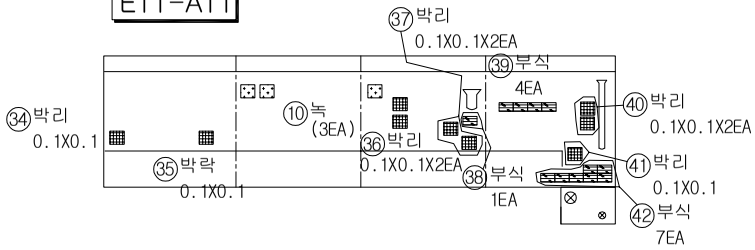
E1-E11



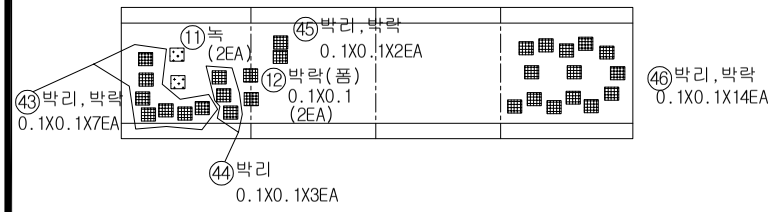
A11-A1

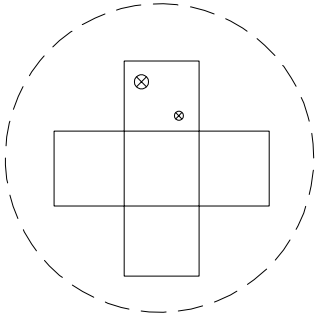


E11-A11

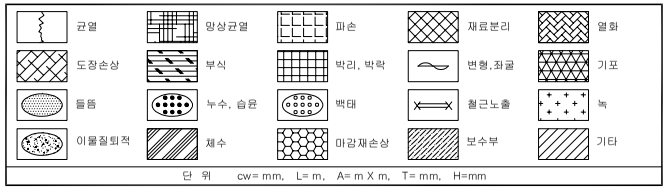


A1-E1

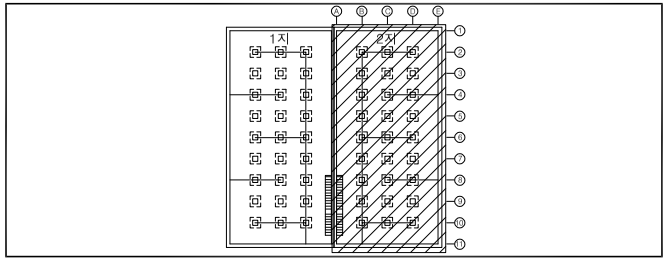




범 례



KEY PLAN

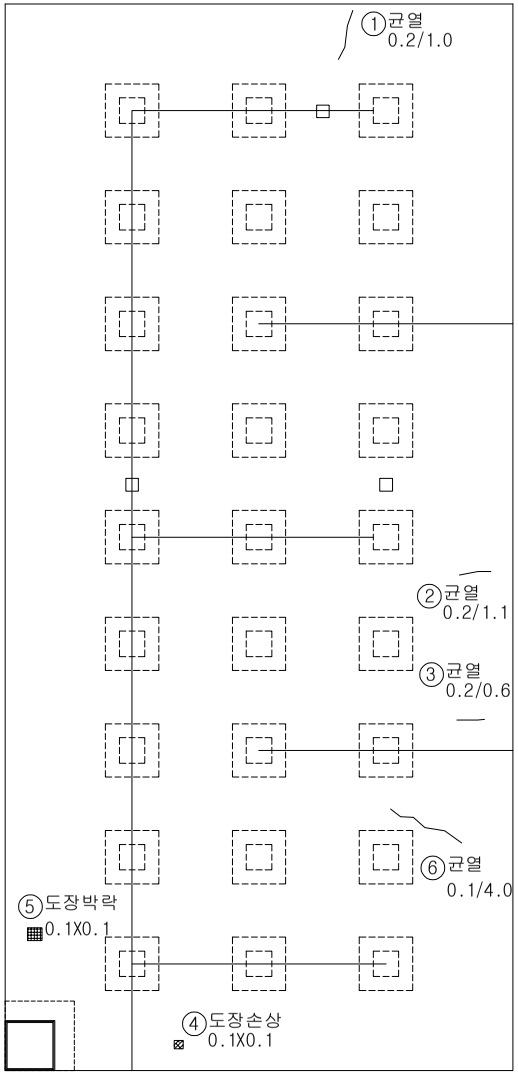


손상물량 집계표

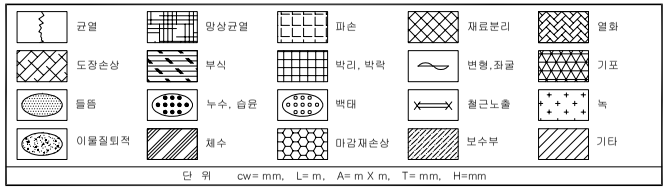
번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	녹	-	-	3	3.00	EA	기존
2	박락(폼)	0.1	0.1	1	0.01	㎡	기존
3	녹	-	-	6	6.00	EA	기존
4	녹	-	-	1	1.00	EA	기존
5	들뜸(폼)	0.1	0.1	1	0.01	㎡	기존
6	들뜸(폼)	0.1	0.1	3	0.03	㎡	기존
7	박락(폼)	0.1	0.1	1	0.01	㎡	기존
8	들뜸(폼)	0.1	0.1	2	0.02	㎡	기존
9	들뜸(폼)	0.1	0.1	8	0.08	㎡	기존
10	녹	-	-	3	3.00	EA	기존
11	녹	-	-	2	2.00	EA	기존
12	박락(폼)	0.1	0.1	2	0.02	㎡	기존
13	박리	0.1	0.1	7	0.07	㎡	신규
14	박리	0.1	0.1	2	0.02	㎡	신규
15	부식	-	-	10	10.0	EA	신규
16	박리	0.1	0.1	1	0.01	㎡	신규
17	박리	0.1	0.1	2	0.02	㎡	신규
18	부식	-	-	10	10.0	EA	신규
19	박리	0.1	0.1	2	0.02	㎡	신규
20	박리	0.1	0.1	2	0.02	㎡	신규
21	박락	0.1	0.1	3	0.03	㎡	신규
22	녹	-	-	5	5.0	EA	신규
23	녹	-	-	21	21.0	EA	신규
24	박락	0.1	0.1	2	0.02	㎡	신규
25	균열	0.1	1.0	1	1.0	m	신규

CLIENT	PROJECT	TITLE	사업책임 기술자	
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 벽체	이기우

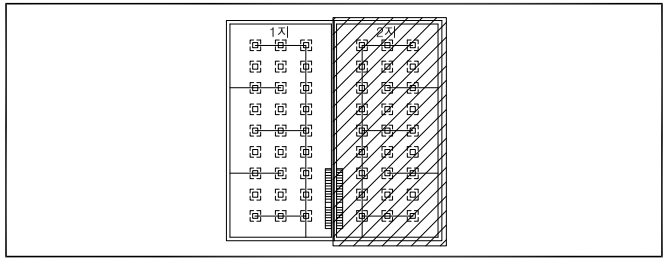
SCALE	NONE
DATE	2021. 06.
DRAWING NO.	09



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	균열	0.2	1.0	1	1.00	m	기준
2	균열	0.2	1.1	1	1.10	m	기준
3	균열	0.2	0.6	1	0.60	m	기준
4	도장손상	0.1	0.1	1	0.01	㎡	기준
5	도장박락	0.1	0.1	1	0.01	㎡	신규
6	균열	0.1	4.0	1	4.0	m	신규
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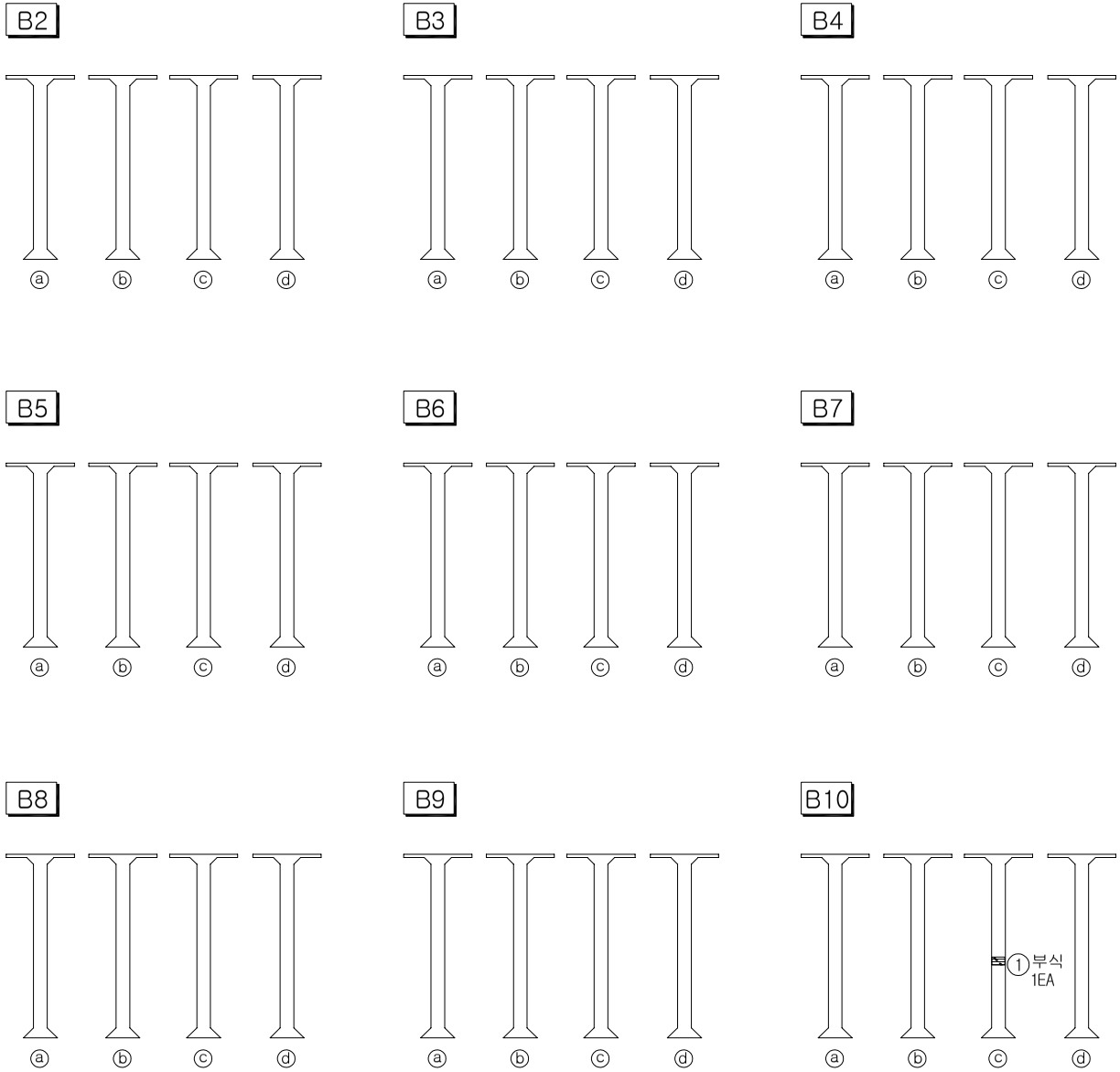
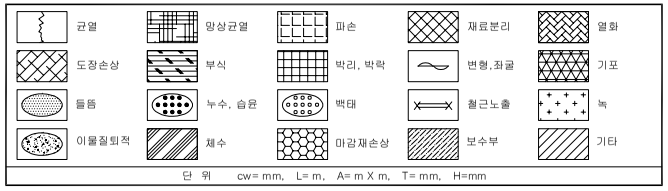
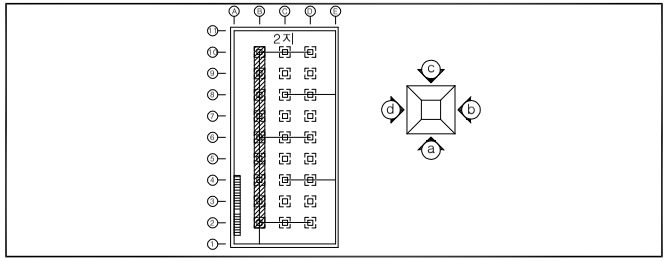
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 하부슬래브	이기우	DATE	2021. 06.
					DRAWING NO.	10



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	부식	-	-	1	1.0	EA	신규
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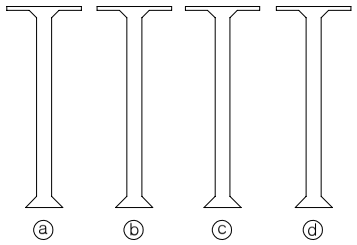
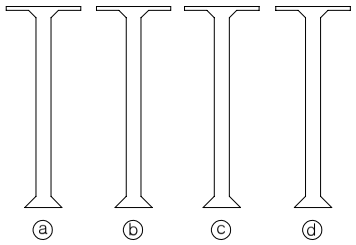
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 기둥(1)	이기우	DATE	2021. 06.
					DRAWING NO.	11

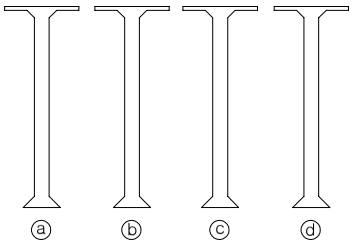
C2



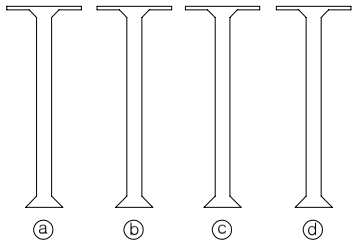
C3



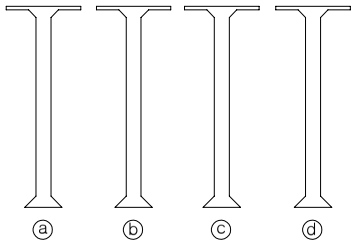
C4



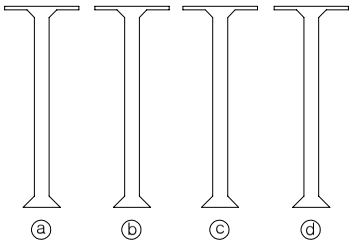
C5



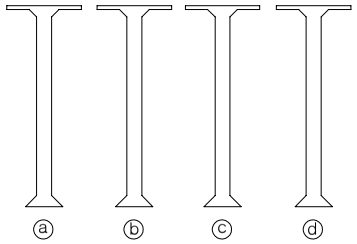
C6



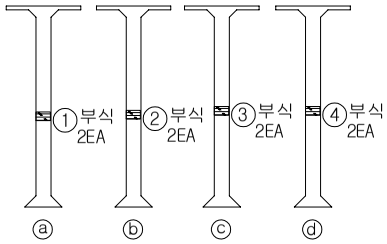
C7



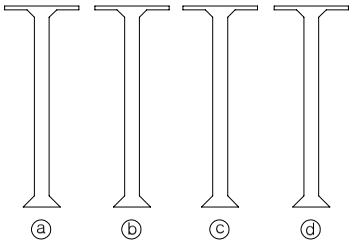
C8



C9



C10



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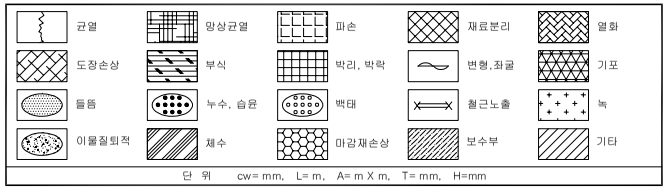
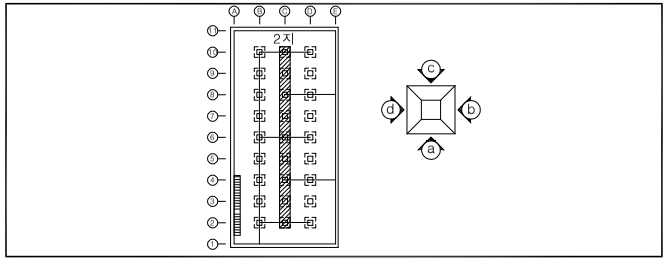


KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	부식	-	-	2	2.0	EA	신규
2	부식	-	-	2	2.0	EA	신규
3	부식	-	-	2	2.0	EA	신규
4	부식	-	-	2	2.0	EA	신규
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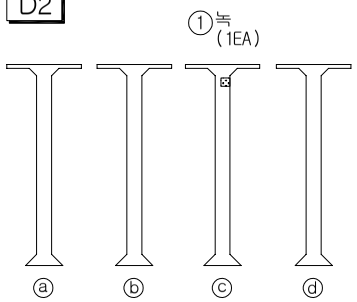
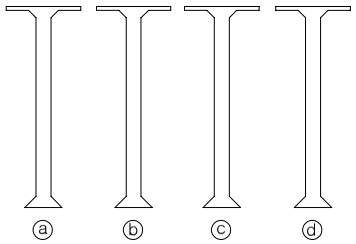
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 기둥(2)	이기우	DATE	2021. 06.
					DRAWING NO.	12

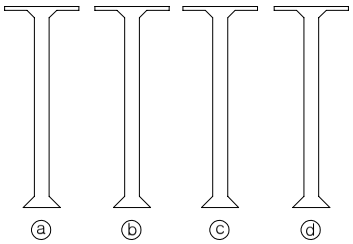
D2



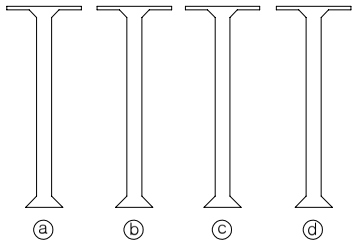
D3



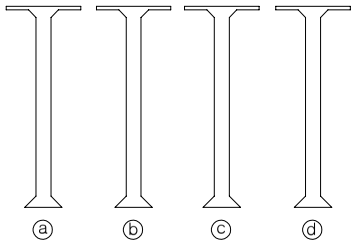
D4



D5



D6



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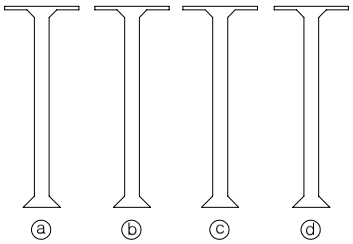

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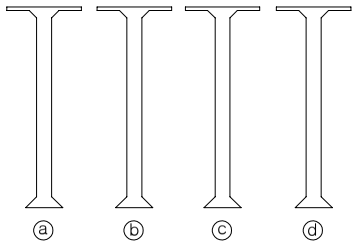
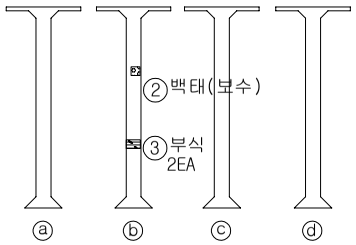
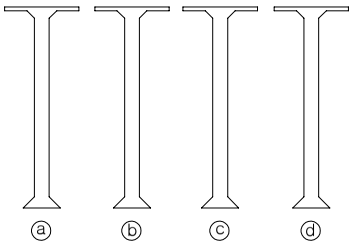


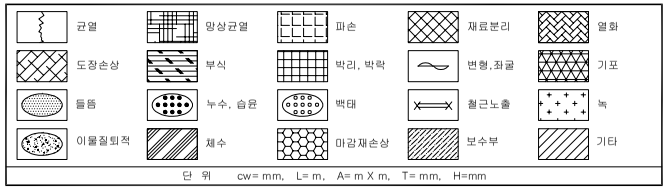
D9



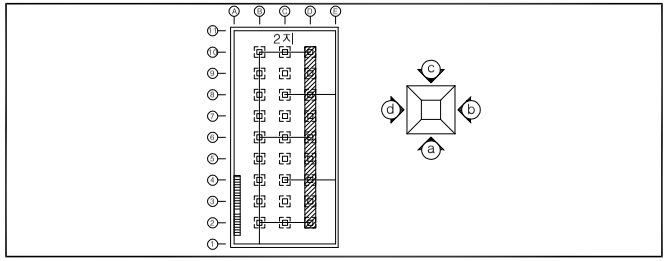
D10



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	녹	-	-	1	1.00	EA	기존
2	백태	-	-	-	-	-	보수
3	부식	-	-	2	2.0	EA	신규
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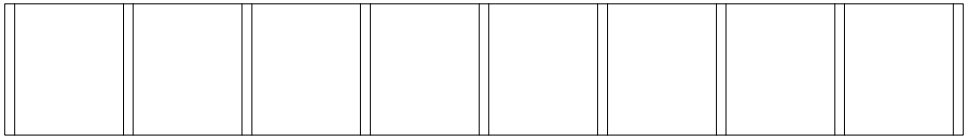
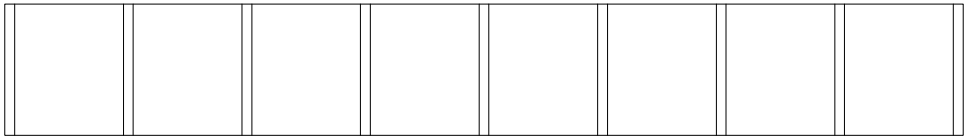
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 기둥(3)	이기우	DATE	2021. 06.
					DRAWING NO.	13

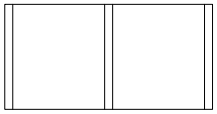
B2-B10



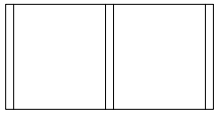
B10-B2



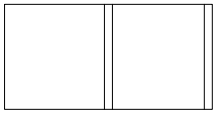
D2-B2



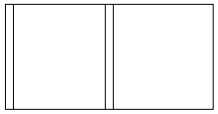
B2-D2



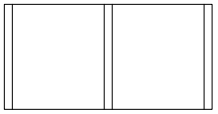
E4-C4



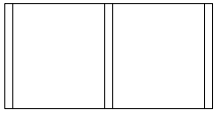
C4-E4



D6-B6



B6-D6



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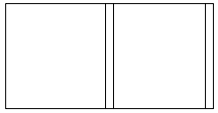
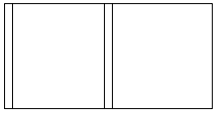
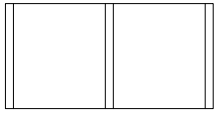


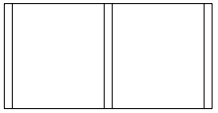
C8-E8



D10-B10



B10-D10

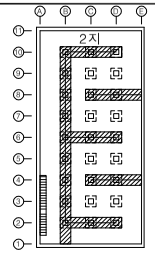


범 례

균열	망상균열	파손	재료분리	열화
도장손상	부식	박리, 박락	변형,좌굴	기포
들뜸	누수, 습윤	백태	철근노출	녹
이물질퇴적	체수	마감재손상	보수부	기타

단 위 cw= mm, L= m, A= m X m, T= mm, H=mm

KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	상태양호						
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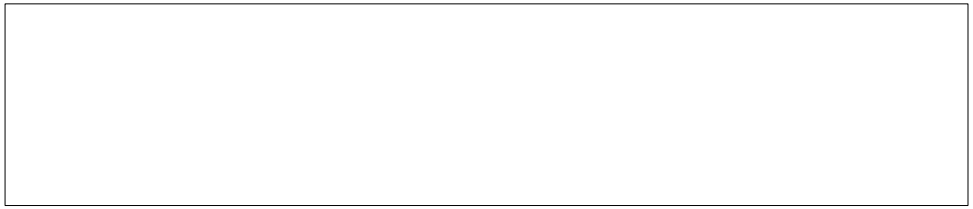
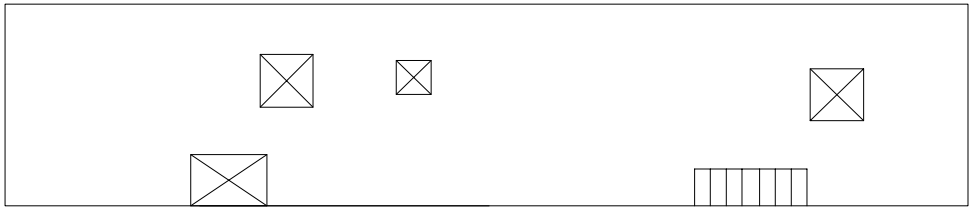
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 도류벽	이기우	DATE	2021. 06.
					DRAWING NO.	14

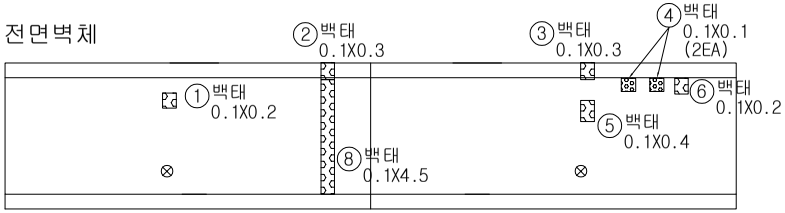
상부슬래브



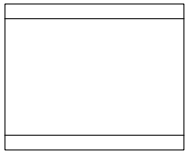
하부슬래브



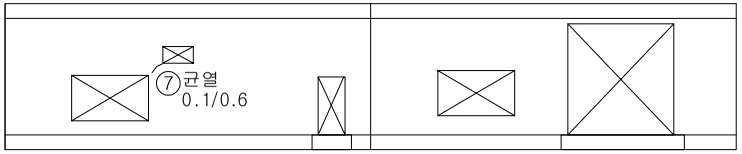
전면벽체



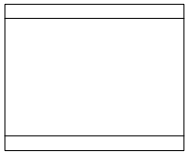
좌측벽체



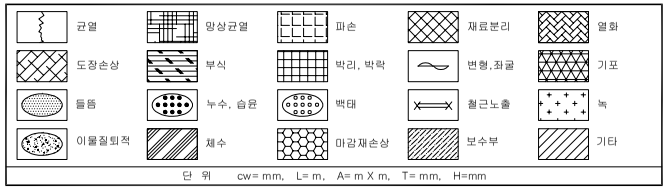
후면벽체



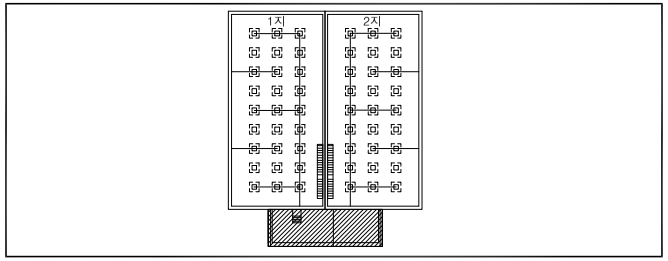
우측벽체



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	백태	0.1	0.2	1	0.02	㎡	기존
2	백태	0.1	0.3	1	0.03	㎡	기존
3	백태	0.1	0.3	1	0.03	㎡	기존
4	백태	0.1	0.1	2	0.02	㎡	기존
5	백태	0.1	0.4	1	0.04	㎡	기존
6	백태	0.1	0.2	1	0.02	㎡	기존
7	균열	0.1	0.6	1	0.60	m	기존
8	백태	0.1	4.5	1	0.45	㎡	신규
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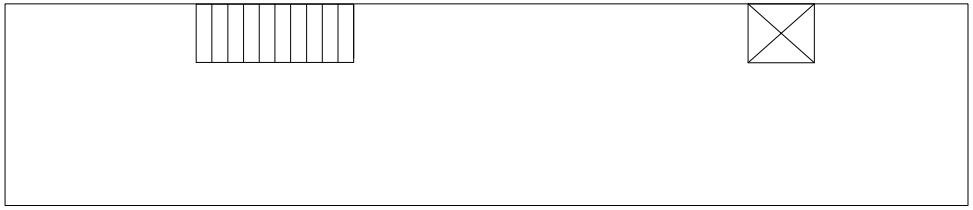
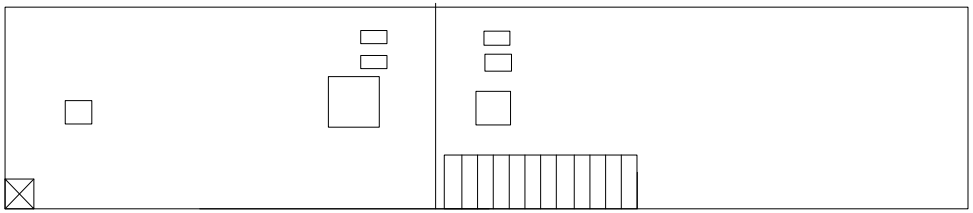
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 유입밸브실 (내부)	이기우	DATE	2021. 06.
					DRAWING NO.	15

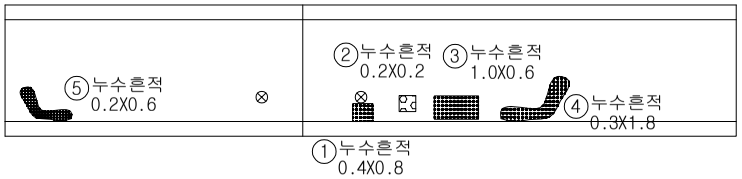
상부슬래브



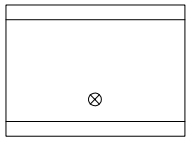
하부슬래브



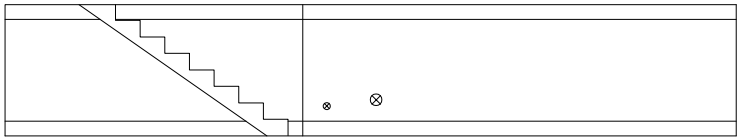
전면벽체



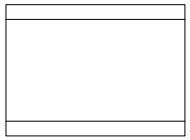
좌측벽체



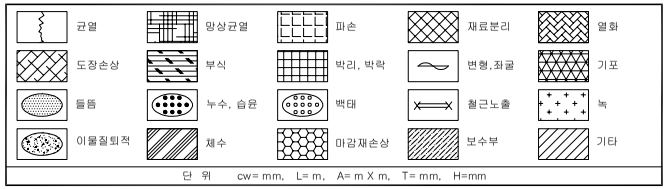
후면벽체



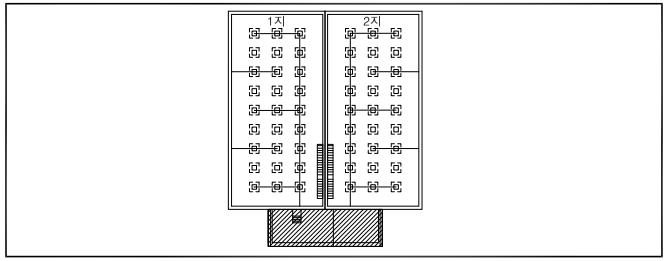
우측벽체



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	누수흔적	0.4	0.8	1	0.32	㎡	기존
2	누수흔적	0.2	0.2	1	0.04	㎡	기존
3	누수흔적	1.0	0.6	1	0.60	㎡	기존
4	누수흔적	0.3	1.8	1	0.54	㎡	기존
5	누수흔적	0.2	0.6	1	0.12	㎡	신규
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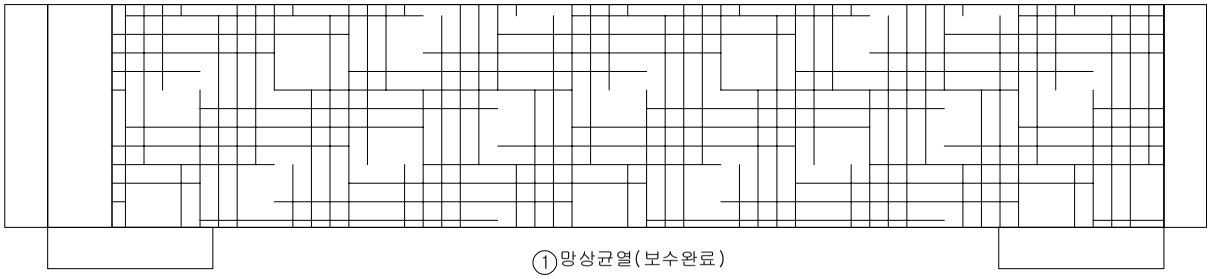
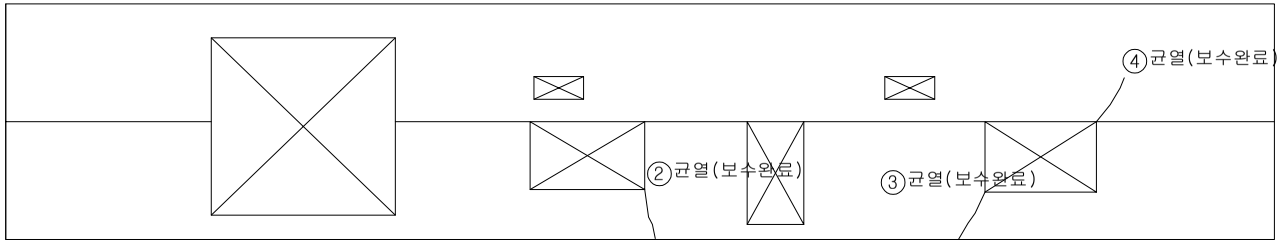
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 유출밸브실 (내부)	이기우	DATE	2021. 06.
					DRAWING NO.	16

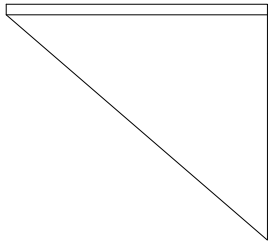
상부슬래브



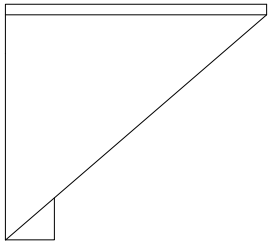
후면벽체



우측벽체



좌측벽체



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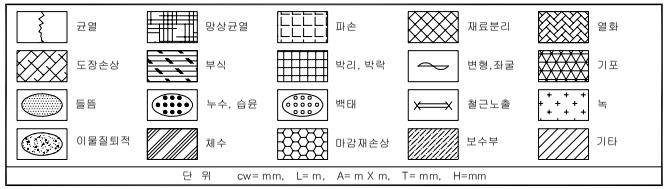
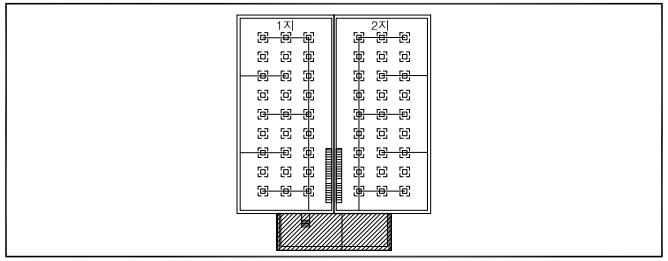


KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
1	망상균열(모르타르)	-	-	-	-	-	보수
2	균열	-	-	-	-	-	보수
3	균열	-	-	-	-	-	보수
4	균열	-	-	-	-	-	보수
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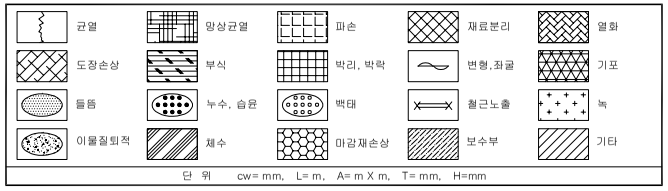
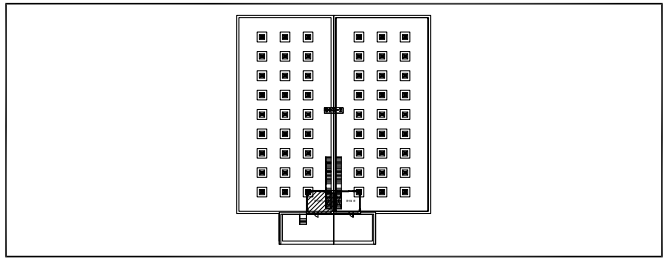
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 유입밸브실 (외부)	이기우	DATE	2021. 06.
					DRAWING NO.	17

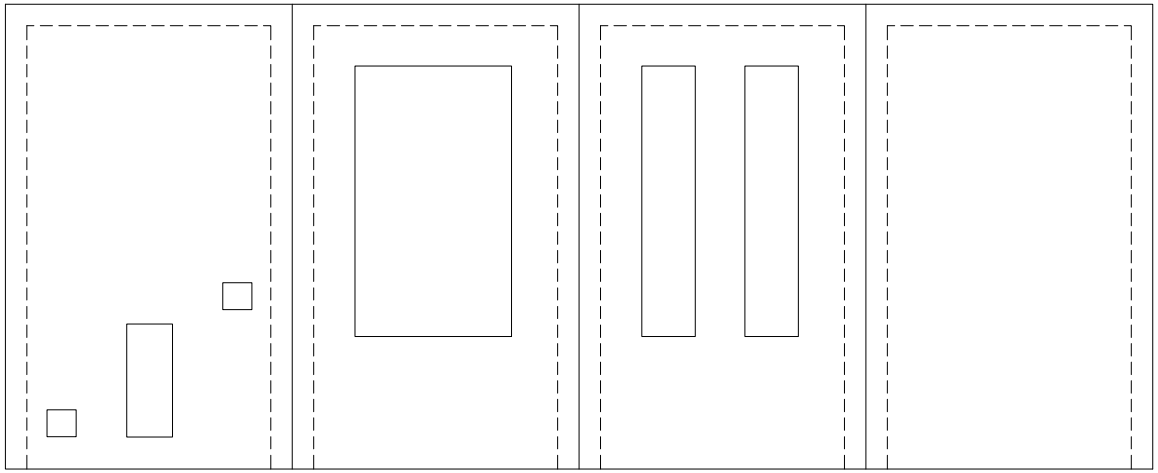
범 례



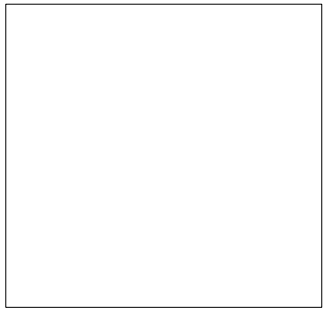
KEY PLAN



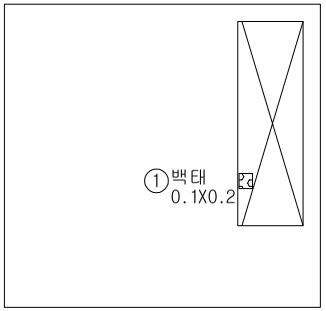
후면벽체 / 좌측벽체 / 전면벽체 / 우측벽체



상부슬래브



하부슬래브



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
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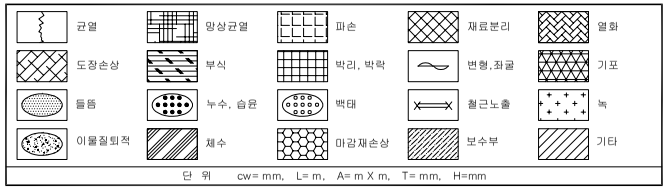
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설)(증설) - 1지 계단실	이기우	DATE	2021. 06.
					DRAWING NO.	18

범 례



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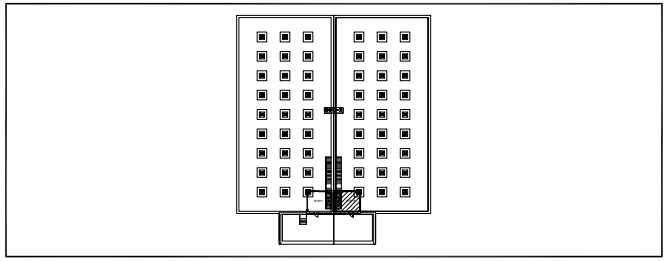
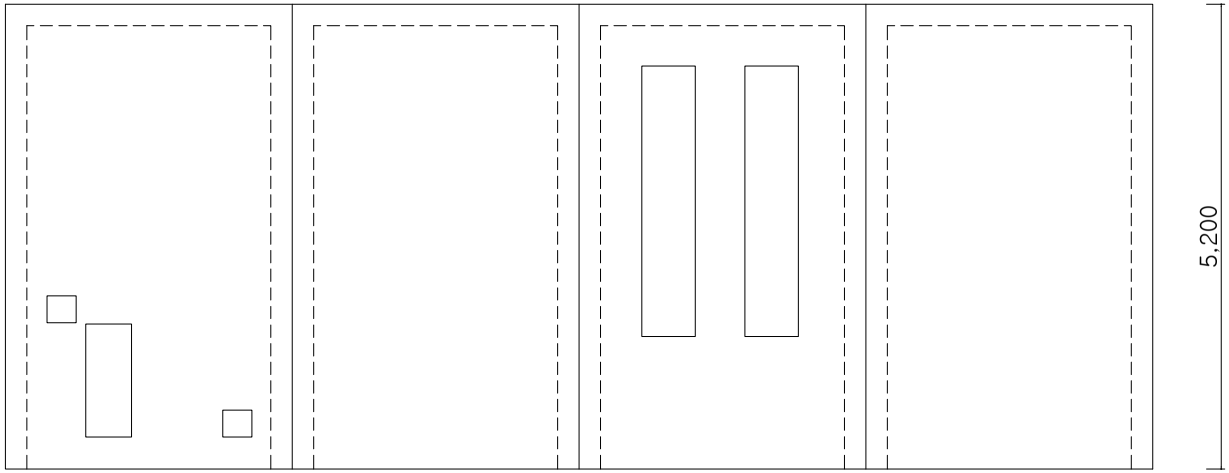
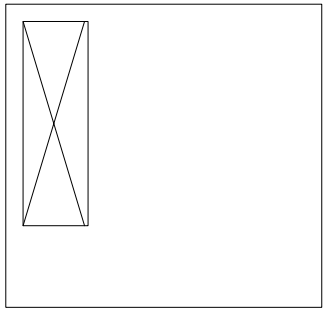


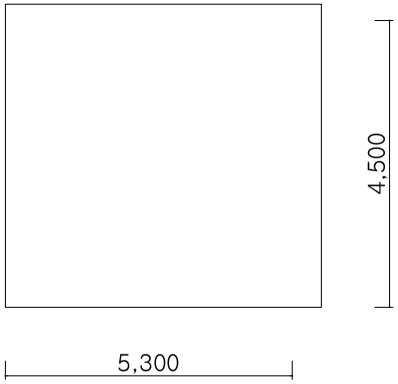
좌측벽체 전면벽체 우측벽체



하부슬래브



상부슬래브



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
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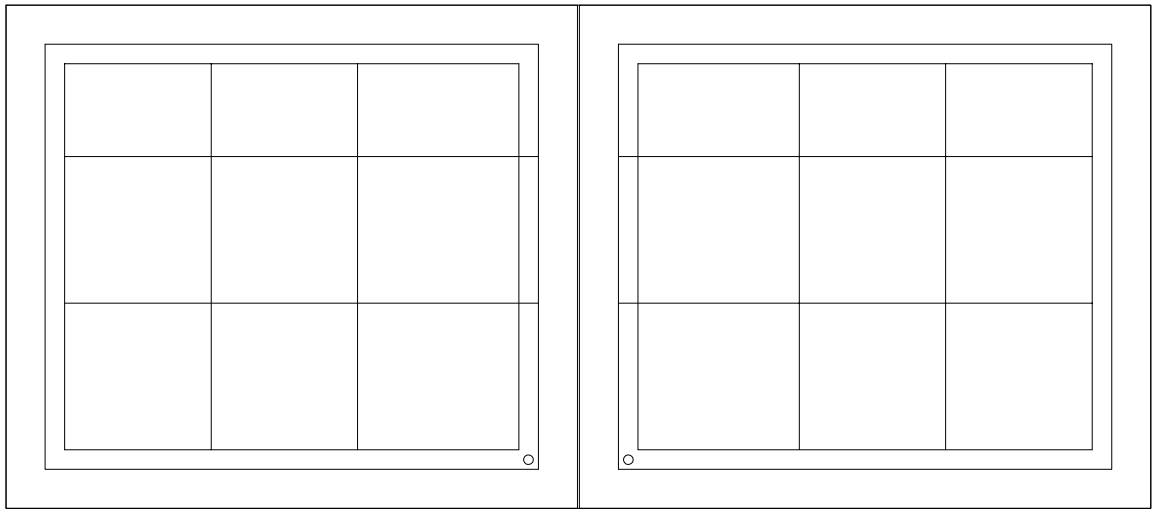
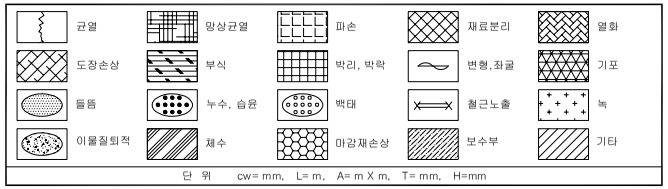
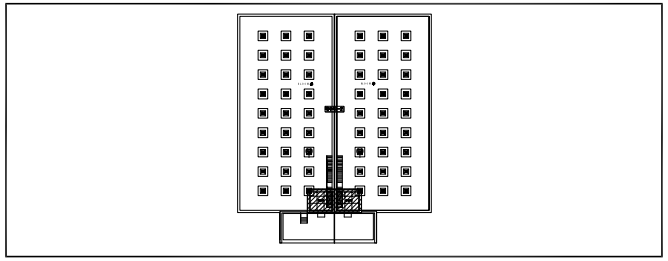
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 2지 계단실	이기우	DATE	2021. 06.
					DRAWING NO.	19



범 례



KEY PLAN



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
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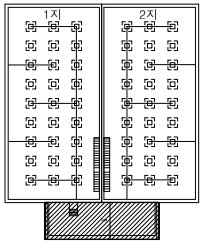
CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 옥상층	이기우	DATE	2021. 06.
					DRAWING NO.	20

범 례

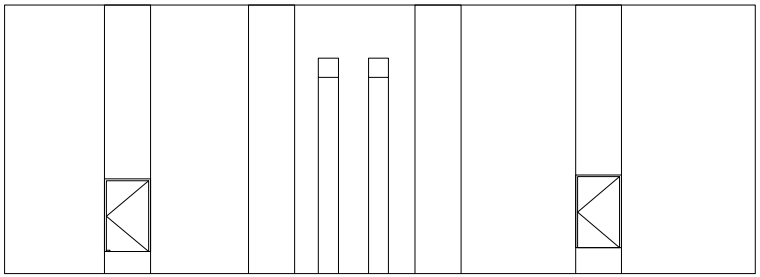
균열	망상균열	파손	재료분리	열화
도장손상	부식	박리, 박락	변형,좌굴	기포
들뜸	누수, 습윤	백태	철근노출	녹
이물질퇴적	체수	마감재손상	보수부	기타

단 위 cw= mm, L= m, A= m X m, T= mm, H=mm

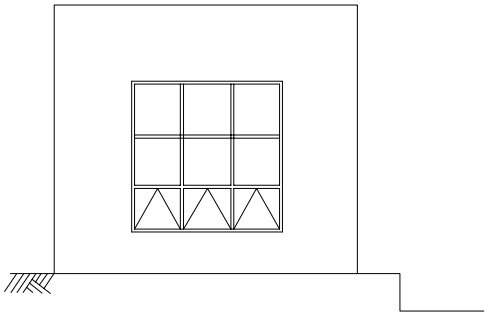
KEY PLAN



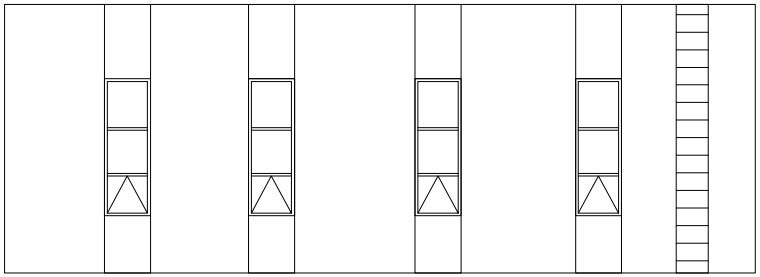
전면벽체



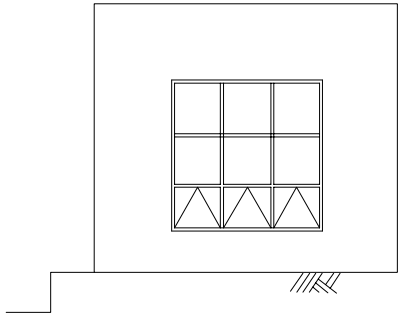
좌측벽체



후면벽체



우측벽체



손상물량 집계표

번호	내 용	손 상 규 모					비 고
		폭	길 이	개 소	물 량	단 위	
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CLIENT		PROJECT	TITLE	사업책임 기술자	SCALE	NONE
화성시 맑은물사업소	(주)신 라 이 앤 씨	2024년 화성시 상수도시설물 안전점검용역	마도배수지(증설) - 건축물 외부	이기우	DATE	2021. 06.
					DRAWING NO.	21