

가
1983 6

Earth Shel

Building

Infra-Structure

가

가

Infra-Structure

가

가
가

가

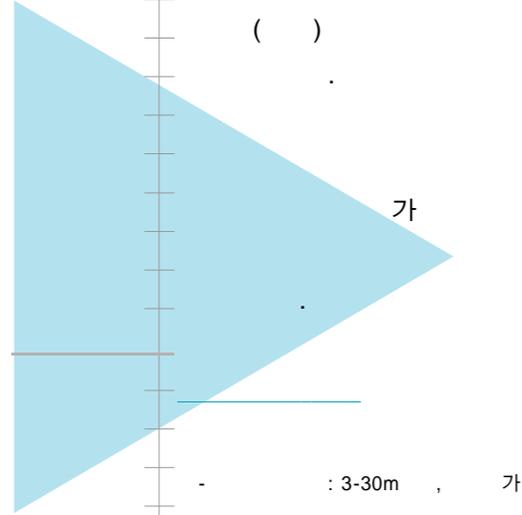
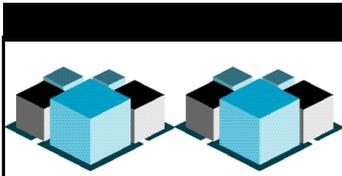
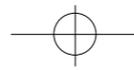
가가

가

가

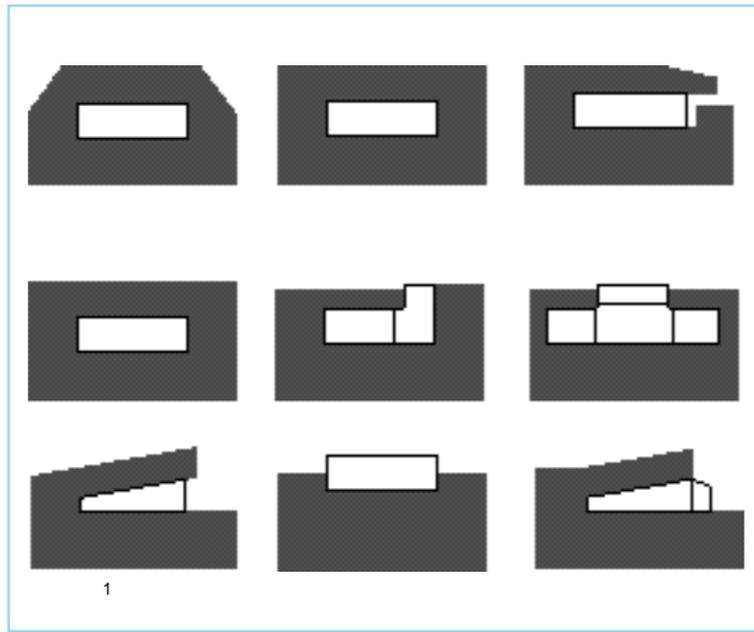
()

가



()

가



1

: 3-30m , 가

: 30-300m ,

: 300-3000m ,

가

가

Live Load

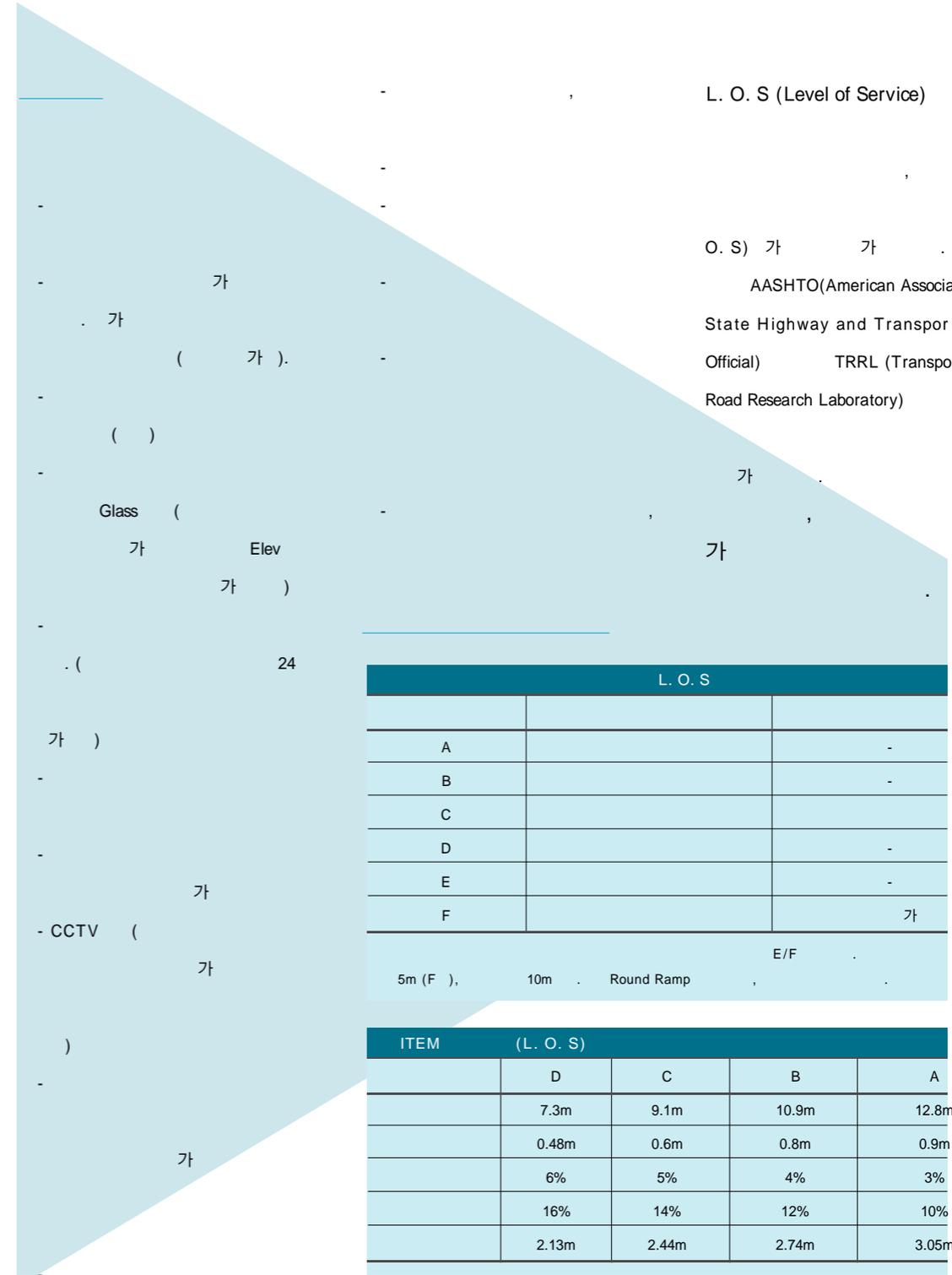
가 () :

Dewatering ()
Pumping :)

300m

Test Wall

(Drop Panel)



L. O. S (Level of Service)

O. S) 가 가
AASHTO(American Associa
State Highway and Transpor
Official) TRRL (Transpo
Road Research Laboratory)

Glass ()
가 Elev
가)

24

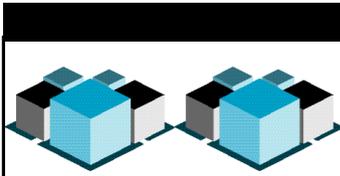
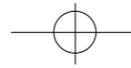
L. O. S

L. O. S	
A	-
B	-
C	-
D	-
E	-
F	가

E/F

5m (F), 10m Round Ramp ,

ITEM	(L. O. S)			
	D	C	B	A
	7.3m	9.1m	10.9m	12.8m
	0.48m	0.6m	0.8m	0.9m
	6%	5%	4%	3%
	16%	14%	12%	10%
	2.13m	2.44m	2.74m	3.05m



	NPA	IES
	40	50
	20	-
	20	10 / 15 / 20
	6	5
	2	-
	-	10
	2	3.6 / 2.4 / 0.8

NPA : National Parking Association (England)
 IES : Illuminating Engineering Society Sub Committee on Off-Roadway Facilities

가
 50%,
 CCTV 100%, 85cm 70lux
 100% (6)

DC
 100lux,
 50lux, 300 ~ 200lux 가

300 ~ 700lux :
 150 ~ 300lux : 가
 70 ~ 150lux :
 30 ~ 70lux :

가

가

가

가

가

가

가

가

가

가

가

8

가 50ppm

50ppm

가

(
 : 50ppm
 : 100ppm)

	0.15mg/m ³	24	150g/m ³
		1	300g/m ³
			400g/m ³
	-	24	850g/m ³
			150g/m ³
CO ₂	1000ppm	-	-
	18 - 27	-	-
	40% - 70%RH	-	-
	0.5m/sec	-	-

fan

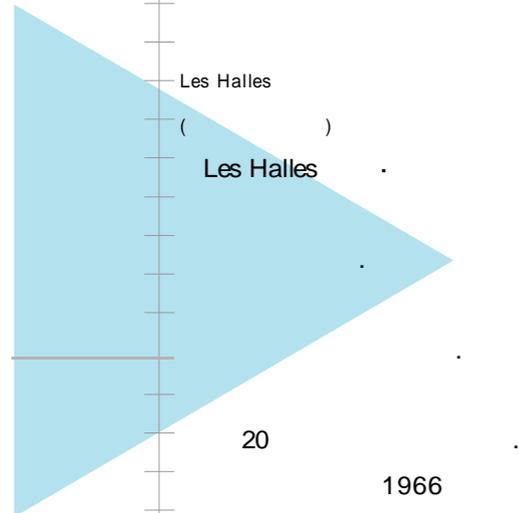
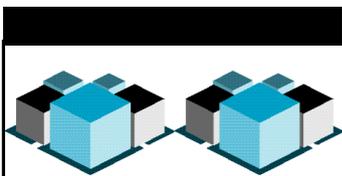
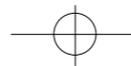
:" CCTV가

가
가 가

가

가

가



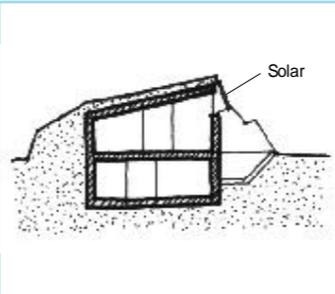
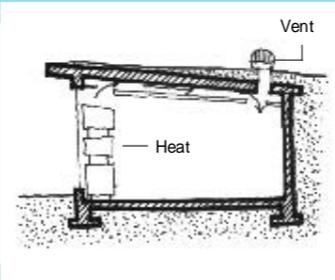
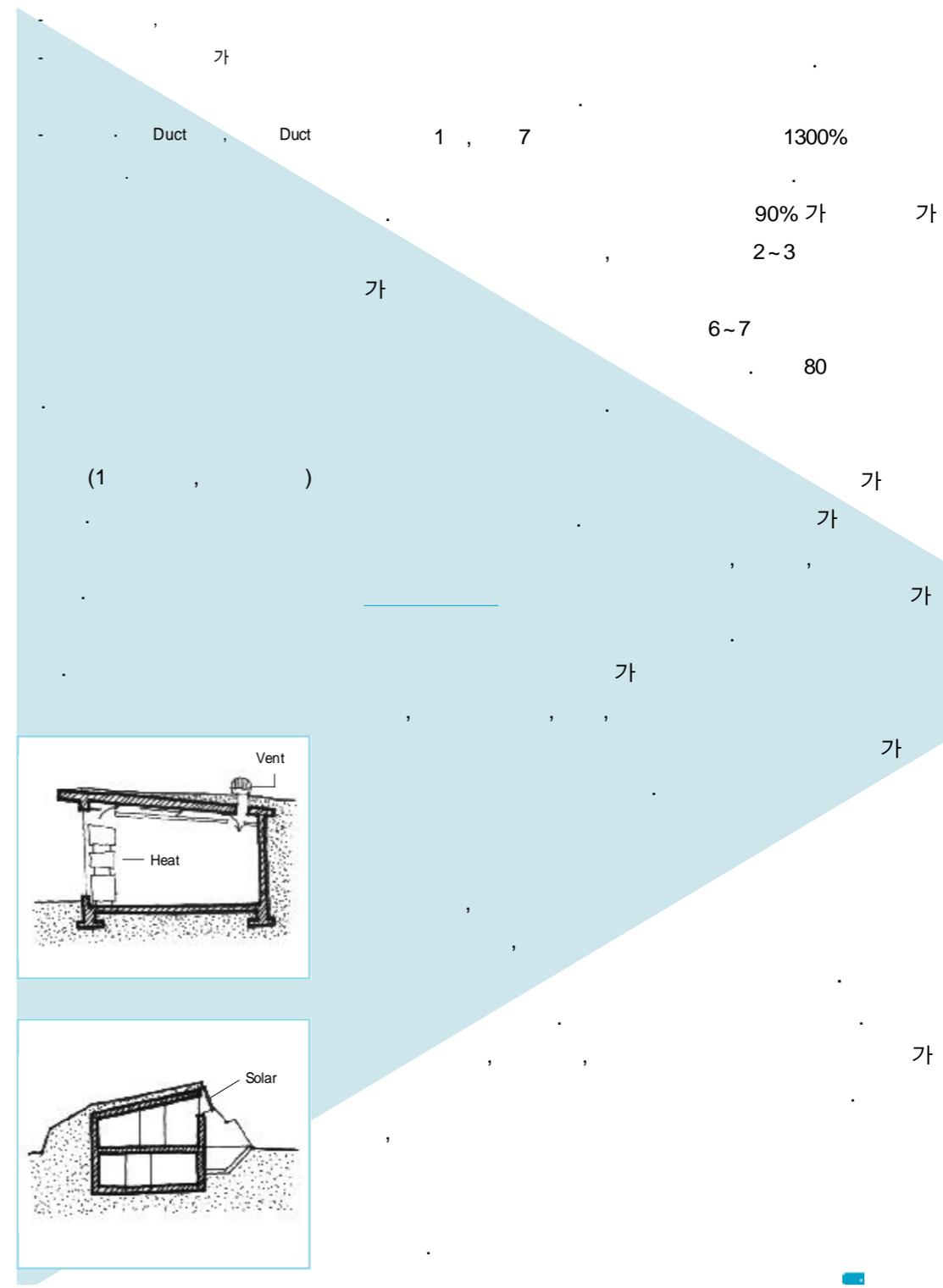
1966	
1983	17
1500	
B5	
B4	
B3	
B2	METRO
B1	FORUM

Les Halles ()
 ()
 20
 1966
 1983 17 1500
 ()
 (10~15)
 (4230)
 CCTV
 ()
 -6

Eaton Center (Toronto)

-	()
-	가
-	- 1000 가
-	-
-	Mall 1 3
-	-
-	- , 1970
-	- Path
-	- Gas

/ Bus
 가
 Atrium ()
 가
 Open
 가
 가 All Air
 - Air Curtain



Decking
Paving Open Space