

PRECAST EARTH RETAINING WALL



FS-IMS | SM | FM-02 Version 1.1



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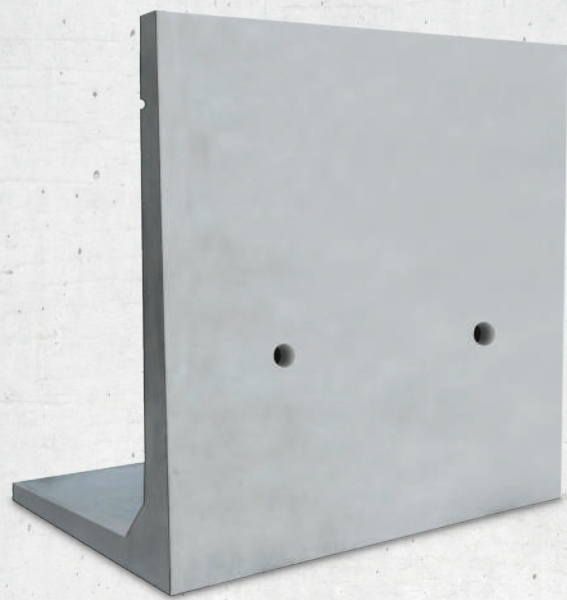
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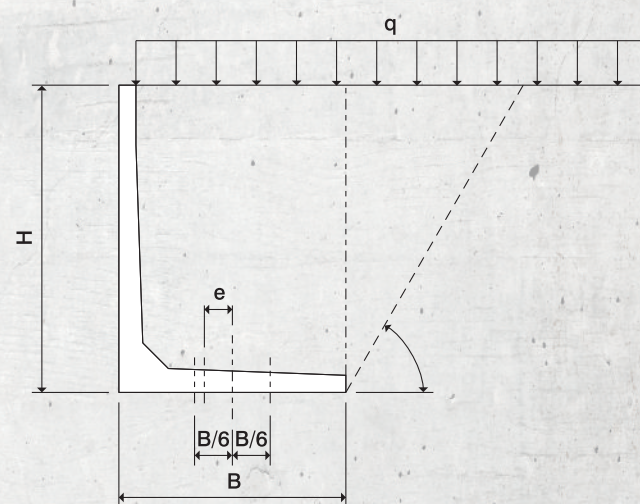
EARTH
RETAINING
WALL



PRECAST EARTH RETAINING WALL

High-strength precast reinforced cement concrete earth retaining walls, manufactured with high-performance self-compacting concrete as per Japanese Industrial Standards (JIS). Conforming to Indian standards, and designed for retaining earth loads.

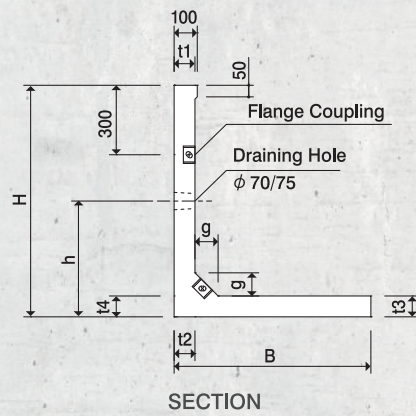
- Reinforced Concrete Unit Weight $Y_c = 24.5 \text{ kN/m}^3$
- Unit Weight of soil $Y_s = 19 \text{ kN/m}^3$
- Angle of internal friction of soil $\phi = 30^\circ$
- Overburden load $q = 10 \text{ kN/m}^2$
- Sliding safety factor $F_s \geq 1.5$
- Eccentricity (for overtuning) $|e| \leq B/6$



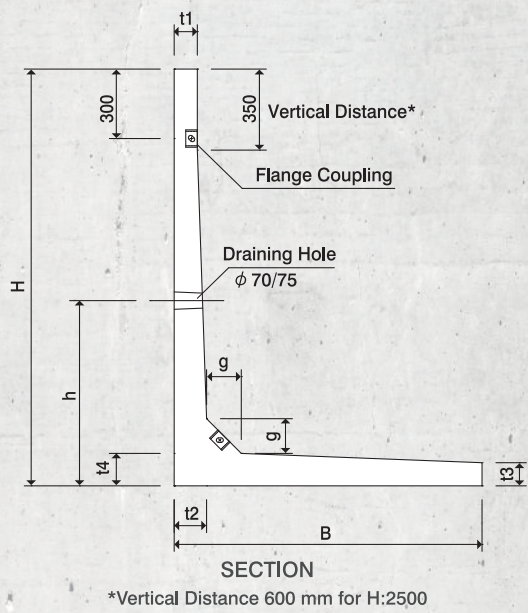
REQUIRED GROUND STRENGTH (GS)

H (mm)	600	800	1000	1200	1800	2000	2250	2500
GS (kN/m2)	30	40	50	60	80	90	100	110

H=600 ~ H=1000



H=1200 ~ H=2500



Height (mm)	Dimensions							
	B	t1	t2	t3	t4	g	h	L
600	680	70	70	70	70	100	300	2000
800	760	80	80	80	80	100	400	2000
1000	850	90	90	90	90	100	500	2000
1200	970	100	100	100	100	120	600	2000
1800	1330	100	140	100	140	150	800	2000
2000	1450	100	140	100	140	150	800	2000
2250	1600	100	170	100	170	180	900	2000
2500	1750	100	170	100	170	180	900	2000

TYPICAL FOUNDATION DETAILS

