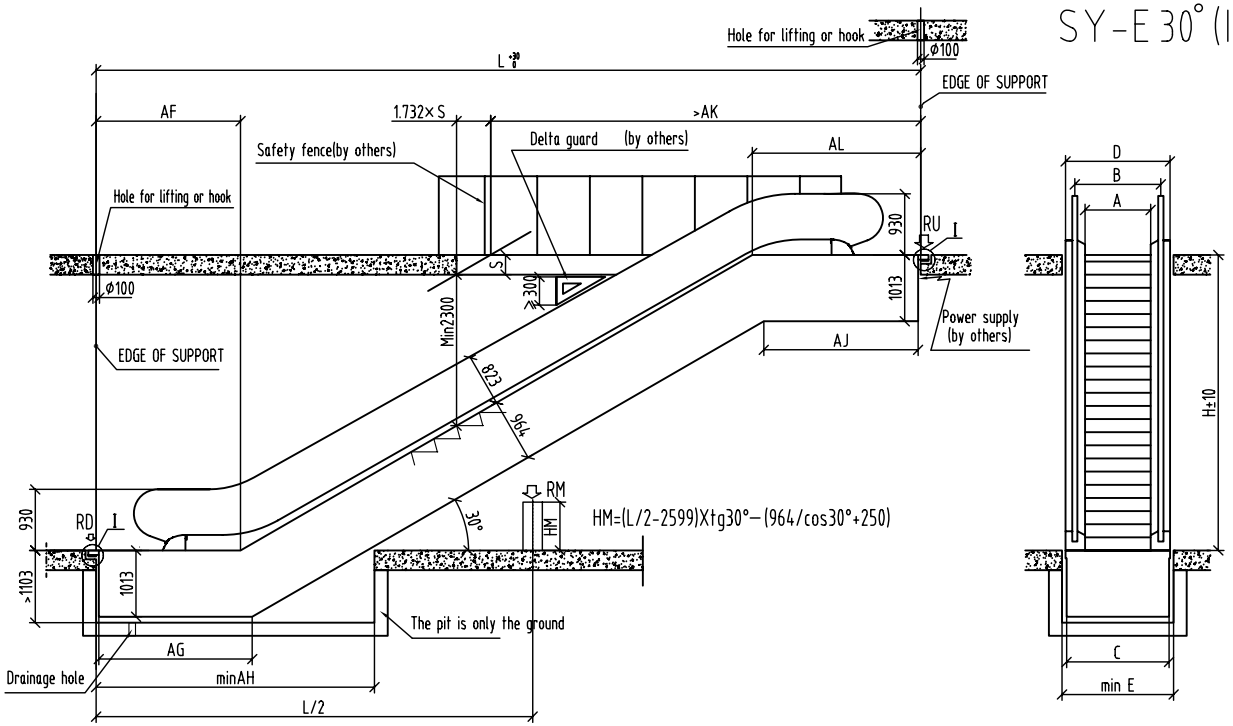
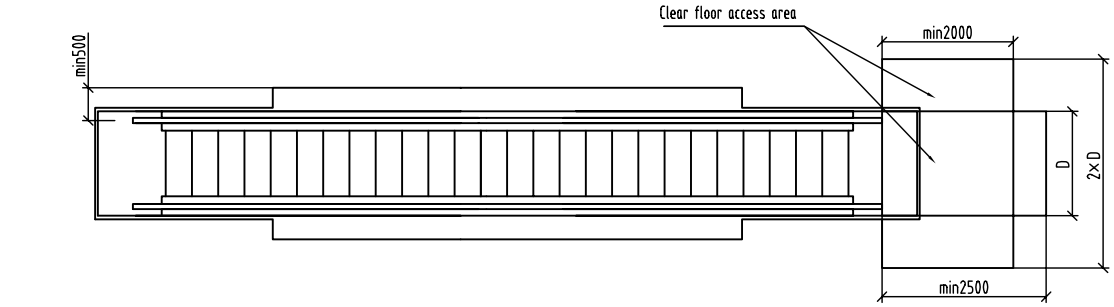
SY-E 30°(Indoor) Construction Schematic

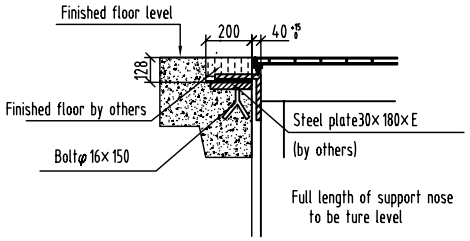


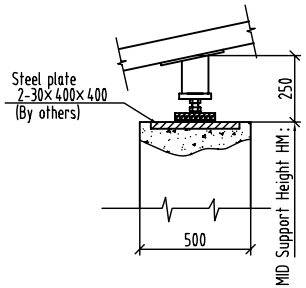
TASKS FOR OWNERS AND CIVIL CONTRACTORS
1. This drawing is applicable to single unit escalator civil engineering construction which rise is 3m≤H≤8m. (If H>8m, please contact with the manufacturer's technical department.)
2. When leveling span L>15.3m, there should be one support in center;
3. Before intallation, all holes in shaft must mount safetyguard which height is not less than 1.2m，and guarantee enough safe fence.
4. Pit should be water-proof ,The location of plash should be at the wall corner.
5. Give power to machire room and setup protective switch.The power fluctant range should be less than ±7%. The N wire and earth wire should be seperated and the ground resistance is not more than 4 Ω
6.If the distance is less than 500mm between handrail center line and any barrier， the user should make a vertical anti-strike board which has no sharp edges on top of out cladding. Its height should not less than 300mm.
7. If the user habe any special request, they should make contract after confirmation from manufacturer technical department.



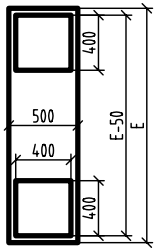
MACHINE type	MOTOR Power (KW)	Maximum lifting hight step width			STEP WIDTH	Supporing Reation Forces(KN) L:m (2 supports)		(3 supports)	
		1000	800	600					
FJ160 / CRW160	7.5	4.7	6	6	1000	RU=	4.96L+17	RU=	2.3L+13.6
	9.5/9	6.0	7.6	---		RD=	4.96L+10	RD=	2.3L+7.1
	11	6.9	9	---				RM=	7.16L+4.9
	13	8.3	---	---	800	RU=	4.31L+18	RU=	2.02L+13.2
						RD=	4.31L+10	RD=	2.02L+6.8
								RM=	6.33L+4.8
Note: The altitude of over 1000m and the environment temperature is higher than 35 degrees must be in accordance reduction factor calculation (Specifically determined by the manufacturer)					600	RU=	3.66L+27		
						RD=	3.66L+22		

DETAIL I





MID Support Detail



MID Support Detail

Angle	Speed	Flat Step	Rising Height H	Span L	Step width A	Others(mm)									
α	(m/s)		(mm)	(mm)	(mm)	B	C	D	E	AF	AG	AH	AJ	AK	AL
30°	0.5	2	3000≤H≤6000	1.732H+4765	1000	1237	1500	1530	1640	2199	2340	4240	2344	6550	2566
					800	1037	1300	1330	1440						
				1.732H+5265	600	837	1100	1130	1240				2844	7050	3066
		3	6000<H≤8000	1.732H+5565	1000	1237	1500	1530	1640	2599	2740	4640	2744	6950	2966
					800	1037	1300	1330	1440						