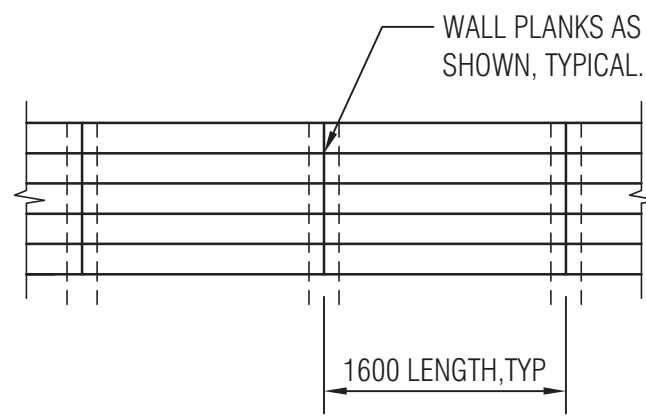


### CONCRETE SLEEPER RETAINING WALL

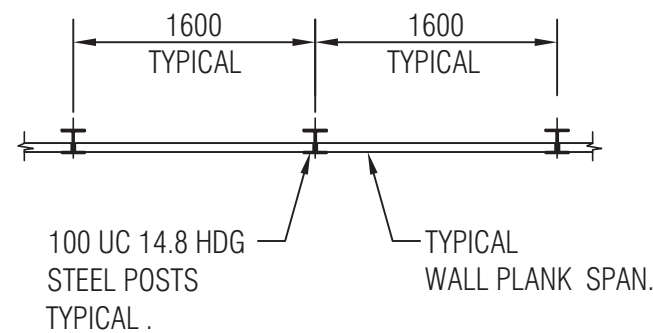
RETAINING HEIGHT UP TO 1200 MAX.  
1:20

FOOTING DEPTH 'D' (mm)	RETAINING HEIGHT 'H' (mm)
600	600
800	800
1000	1000
1200	1200



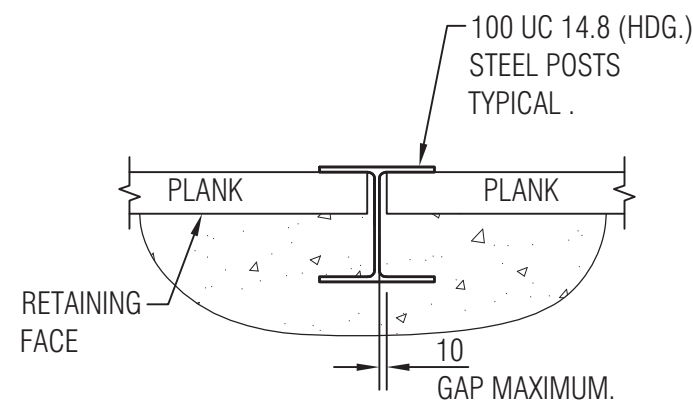
### WALL PLANK ELEVATION

1:50



### TYPICAL PLAN

1:50



### TYPICAL POST DETAIL

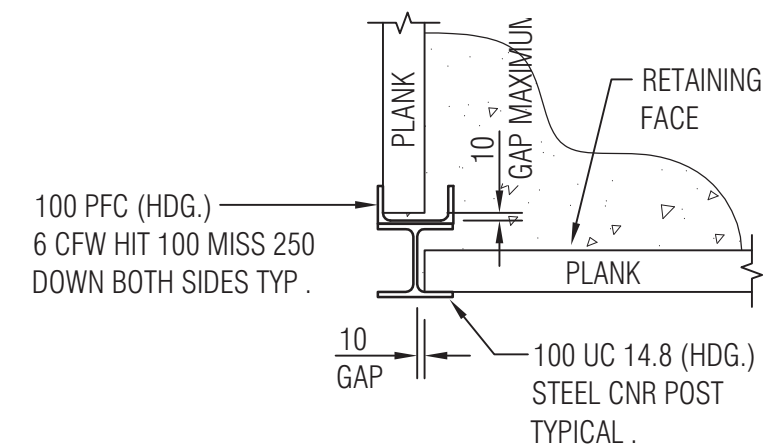
1:10

## CONSTRUCTION NOTES

1. BORE PIERS ACCORDING TO TECHNICAL INFORMATION SHOWN ON DRAWINGS.
2. PLACE STEEL POSTS INTO BORED PIERS, POUR CONCRETE AND ALLOW TO SET FOR 24 HOURS.
3. PLACE CONCRETE WALL PLANKS WITHIN STEEL POSTS FOR THE FIRST COURSE.
4. LAY GEOTEXTILE FABRIC BEHIND WALL AND FILL COURSE WIDTH WITH GRAVEL (NOM. 10-40mm)
5. LAY WALL PLANK FOR SECOND COURSE AND FILL COURSE WIDTH WITH GRAVEL.
6. REPEAT STEP 5 FOR HEIGHT OF WALL.

## DESIGN SPECIFICATION/ REQUIREMENTS

1. WALLS SHALL BE FOUNDED ON STIFF NATURAL GROUND WITH A MINIMUM OF 100 kPa BEARING PRESSURE.
2. RETAINING WALL HAS BEEN DESIGNED FOR NO SURCHARGE. FOR LOCATIONS WHERE A SURCHARGE WILL APPLY AN ENGINEER MUST BE CONSULTED.
3. THE RETAINING WALL IS NOT SUITABLE FOR LOCATIONS WHERE SLIP CIRCLE PROBLEMS MAY OCCUR. A CERTIFIED ENGINEER SHALL BE CONSULTED IF THIS CONDITION OCCURS.
4. RETAINING WALL HAS BEEN DESIGNED FOR THE FOLLOWING DESIGN PARAMETERS:
  - SOIL DENSITY 19t/m<sup>3</sup>
  - 30° INTERNAL ANGLE OF FRICTION FOR SOIL.
  - 100 kPa MINIMUM BEARING CAPACITY FOR BORED PIERS.
  - NO SURCHARGE TO BE APPLIED TO THE WALL.
  - REACTIVITY OF SOIL NO WORSE THAN CLASS 'M'



### TYPICAL POST CORNER DETAIL

1:10

H.D.G. - DENOTES HOT DIP GALVANISED REINFORCEMENT