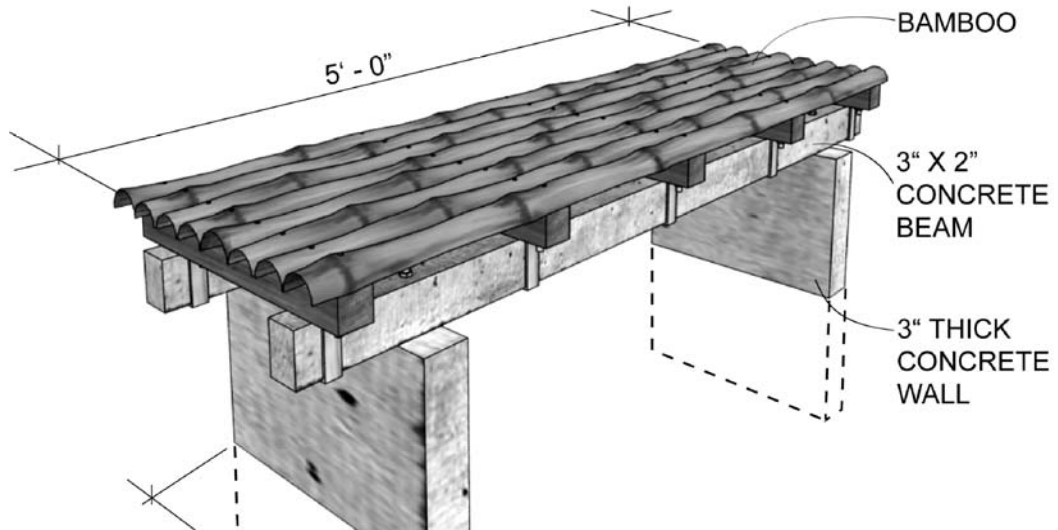


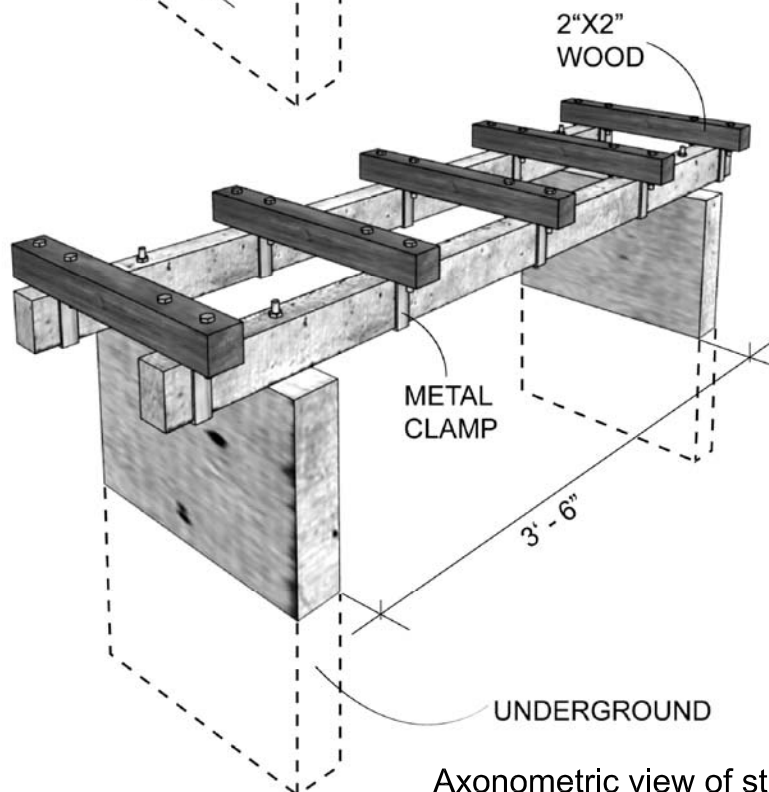
06

RESTING BENCHES WITHIN HIKING TRAILS

*Axonometric View.*



Axonometric view with all finishes.



Axonometric view of structural frames.



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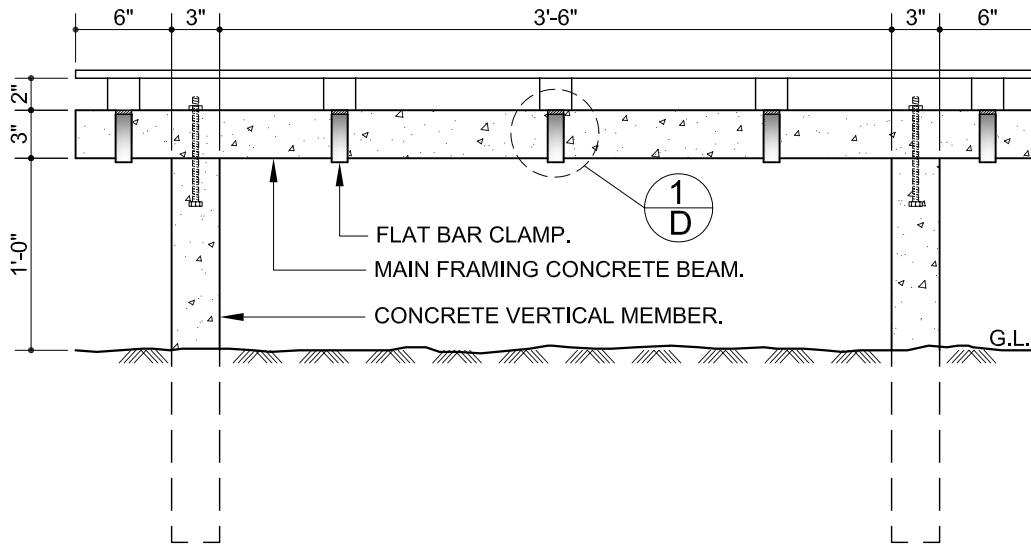
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
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E-mail : vittibd@gmail.com

SCALE : NOT TO SCALE  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 6 a

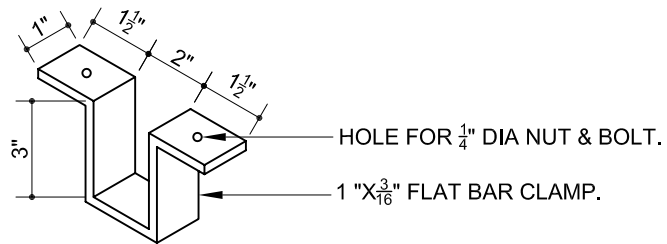
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RESTING BENCHES WITHIN HIKING TRAILS

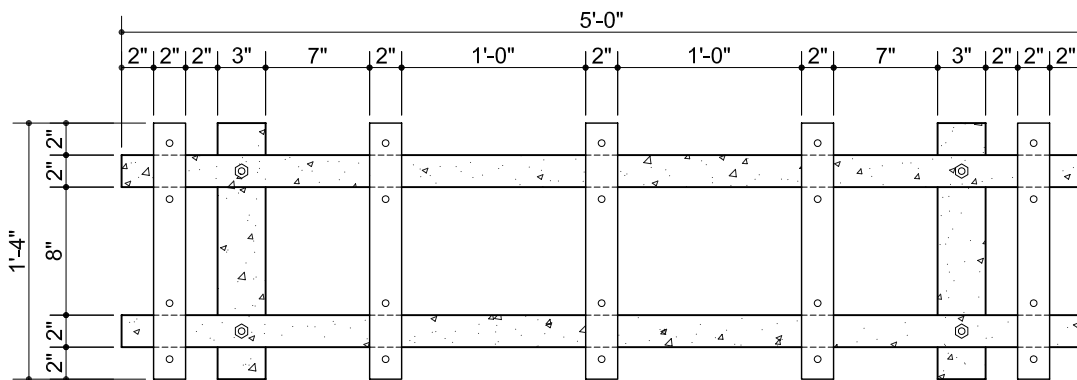
Design Drawings.



ELEVATION (front)



1 D DETAIL-1



PLAN (without bamboo top)



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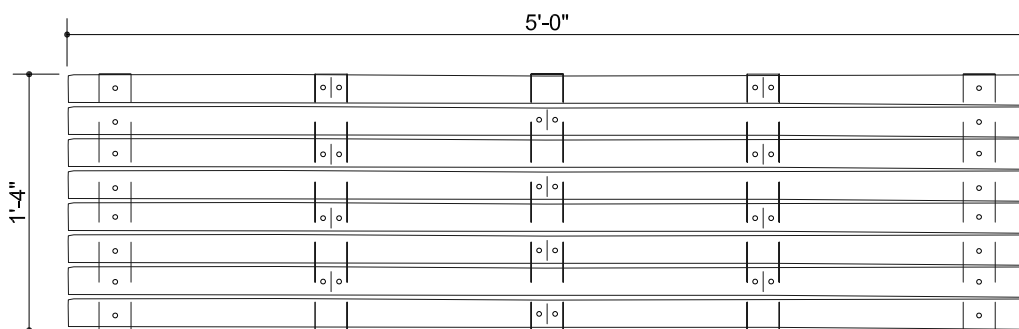
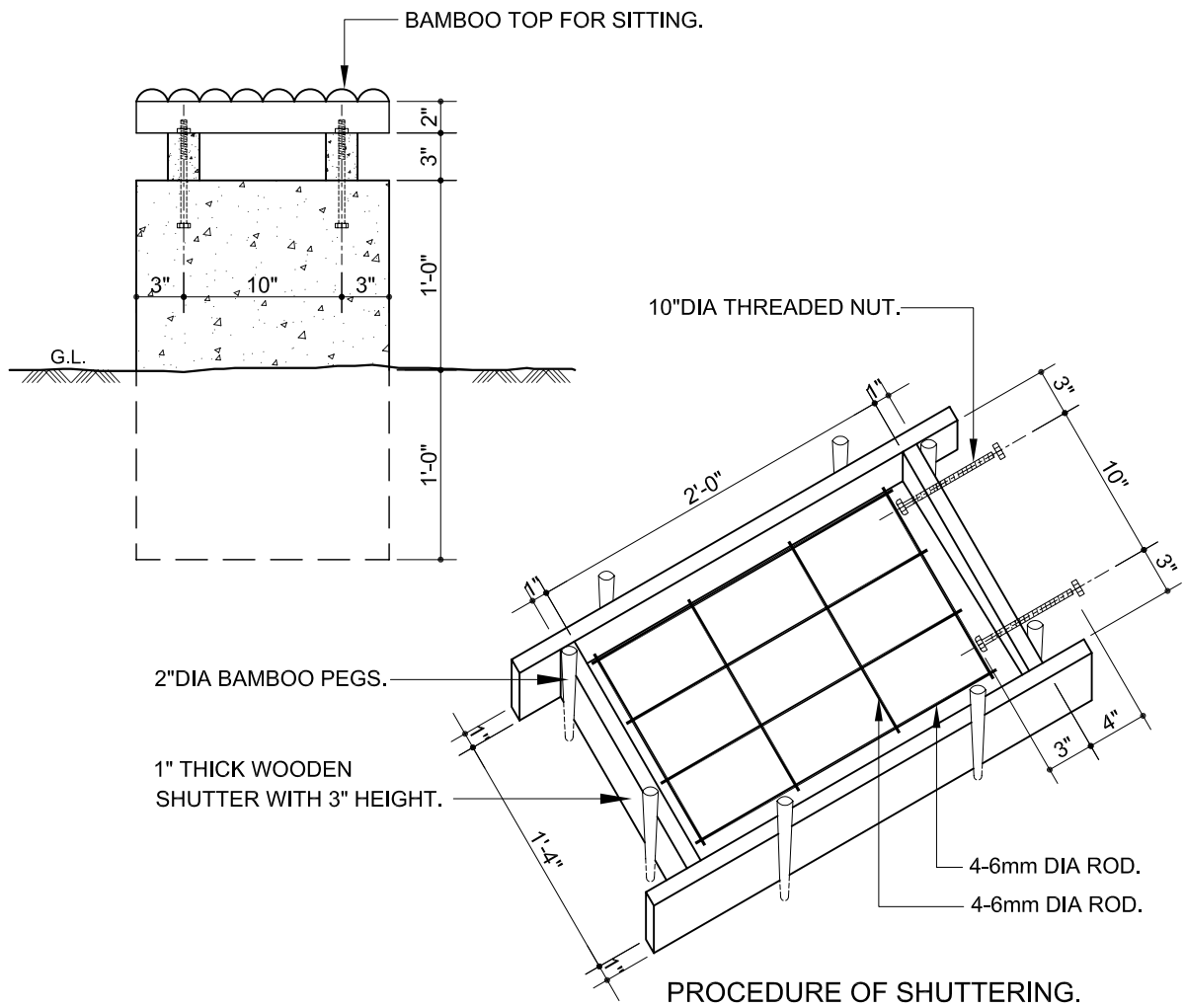
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
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SCALE : 1" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 6 b

06

RESTING BENCHES WITHIN HIKING TRAILS

Design Drawings.



PLAN (with bamboo top)



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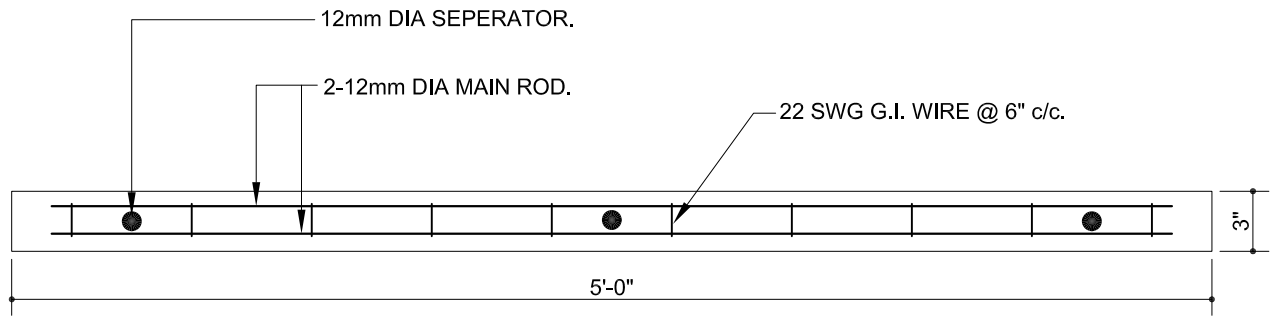
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
FAX : 880 2 8143470  
E-mail : vittibd@gmail.com

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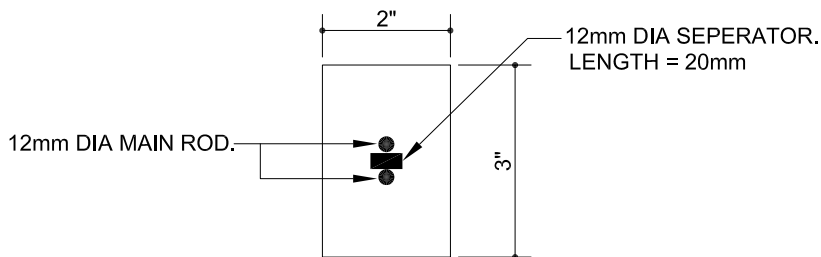
06

RESTING BENCHES WITHIN HIKING TRAILS

*Design Drawings.*



LONG SECTION OF MAIN CONCRETE BEAM.



CROSS SECTION OF MAIN CONCRETE BEAM.



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SCALE : NOT TO SCALE  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 6 d

06

**RESTING BENCHES WITHIN HIKING TRAILS**

*Technical Data and Specifications*

Components Required for 1 No :

Description	Characteristics	Unit	Dimensions		
			Height	Length	Width
Concrete Vertical member	Pre-cast Reinforced concrete	2 Pcs	2'-0"	1'-4"	3"
Concrete Horizontal member (Main Framing Beam)	Pre-cast Reinforced concrete	2 Pcs	3"	5'-0"	2"
Horizontal member (Wooden Frame)	Wooden Frame for sitting (garjon wood)	5 Pcs	2"	1'-4"	2"
Bamboo Top for Sitting	Bamboo Horizontal Member	8 Pcs	2"	5'-0"	2"
Hardware	M.S. Bolt (3/8" dia	4 Pcs			7"
	M.S. Flat Bar U-Clamp (1"x1/4")	10 Pcs			
	1/4" dia screw with washer	20 Pcs			
	Wire nail (3" long)	40 Pcs			

*Technical Data and Specifications*

Summary of Materials :

Fit out Parts	Type of Materials	Nos.	Volume		Weight (Kg)	Long (mm)
			M <sup>3</sup>	(p.m.p.)		
Cement	Portland Cement				28.00	
Aggregate	Stone Chips (1/2" to 3/4")		0.06			
Sand	Course sand (F.M. 2.5)		0.03			
Steel	Steel for Reinforcement				8.50	
Wood for Frame	Garjon Wood		0.006			
Bamboo for sitting top	Well matured Bamboo	8				
Necessary Hardware (screws, bolts, nails etc>	M.S. Bolt (3/8" dia	4 Pcs				
	M.S. Flat Bar U-Clamp (1"x1/4")	10 Pcs				
	1/4" dia screw with washer	20 Pcs				
	Wire nail (3" long)	40 Pcs				
Chemical for Treatment of Wood & Bamboo	Wood & Bamboo preservative (Lacquer)	1 Lot				

Specifications :

1. Concrete should be poured in proportion 1:1.5:3 (Cement : Sand : Stone chips)
2. For concrete (1:1.5:3) 12mm down graded stone chips should be used.
3. Sand and chips should be washed with pure water properly before used.
4. The concrete should be softened before compaction for leveling. Necessary water may used at the time of compaction.
5. The level of concrete should be maintained properly.
6. Water cement ratio should be properly maintained.
7. Reinforcing bar to be used in concrete should be rust free.
8. All wood should be seasoned and treated mechanically. (see notes on wood treatment procedure)
9. Shuttering works to be followed as per supplied drawing