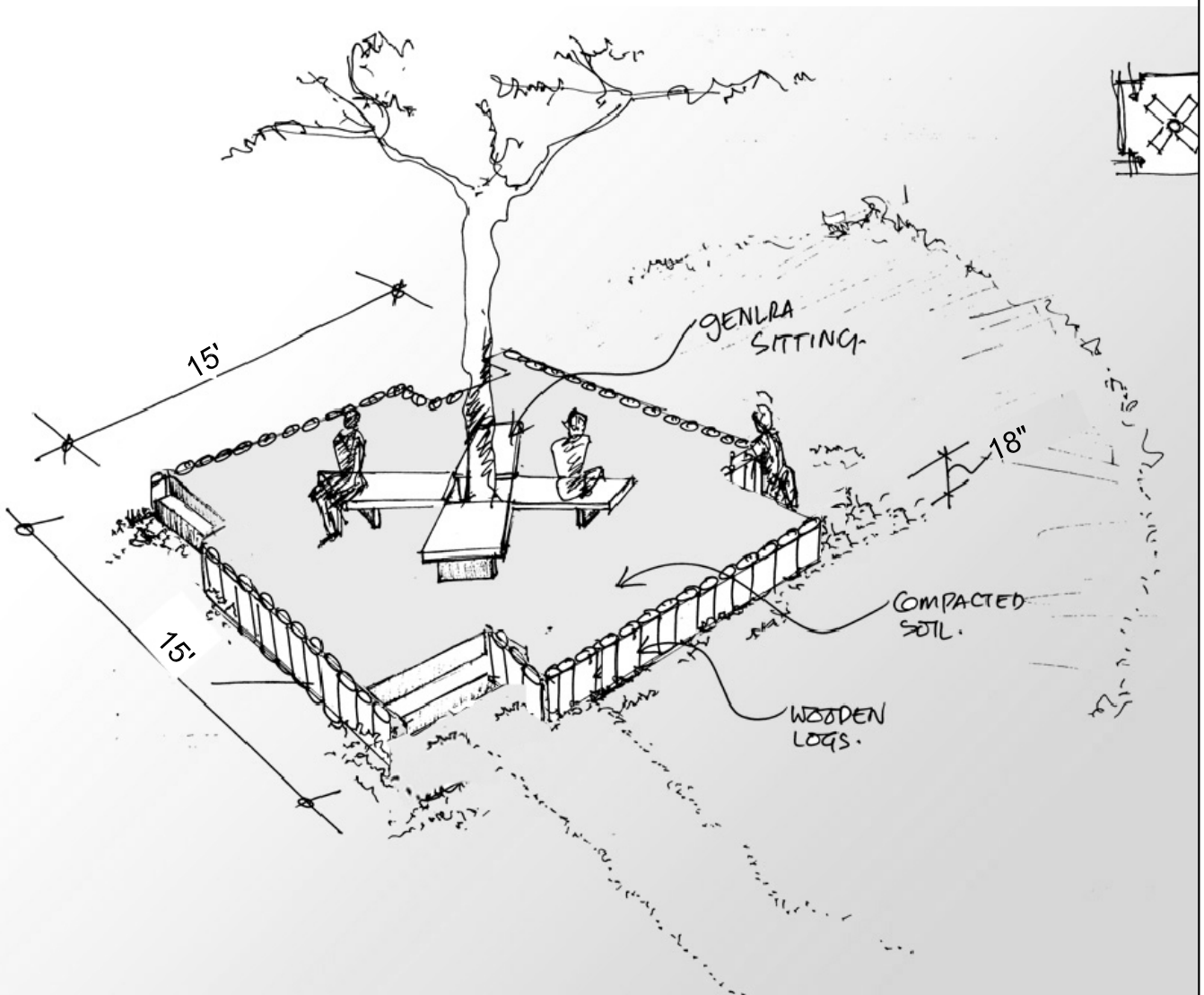


16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

Axonometric View.



NISHORGO SUPPORT PROJECT  
&  
DEPT. OF FOREST GOB.

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

SCALE : NOT TO SCALE

DRAWN : SHAMEEM

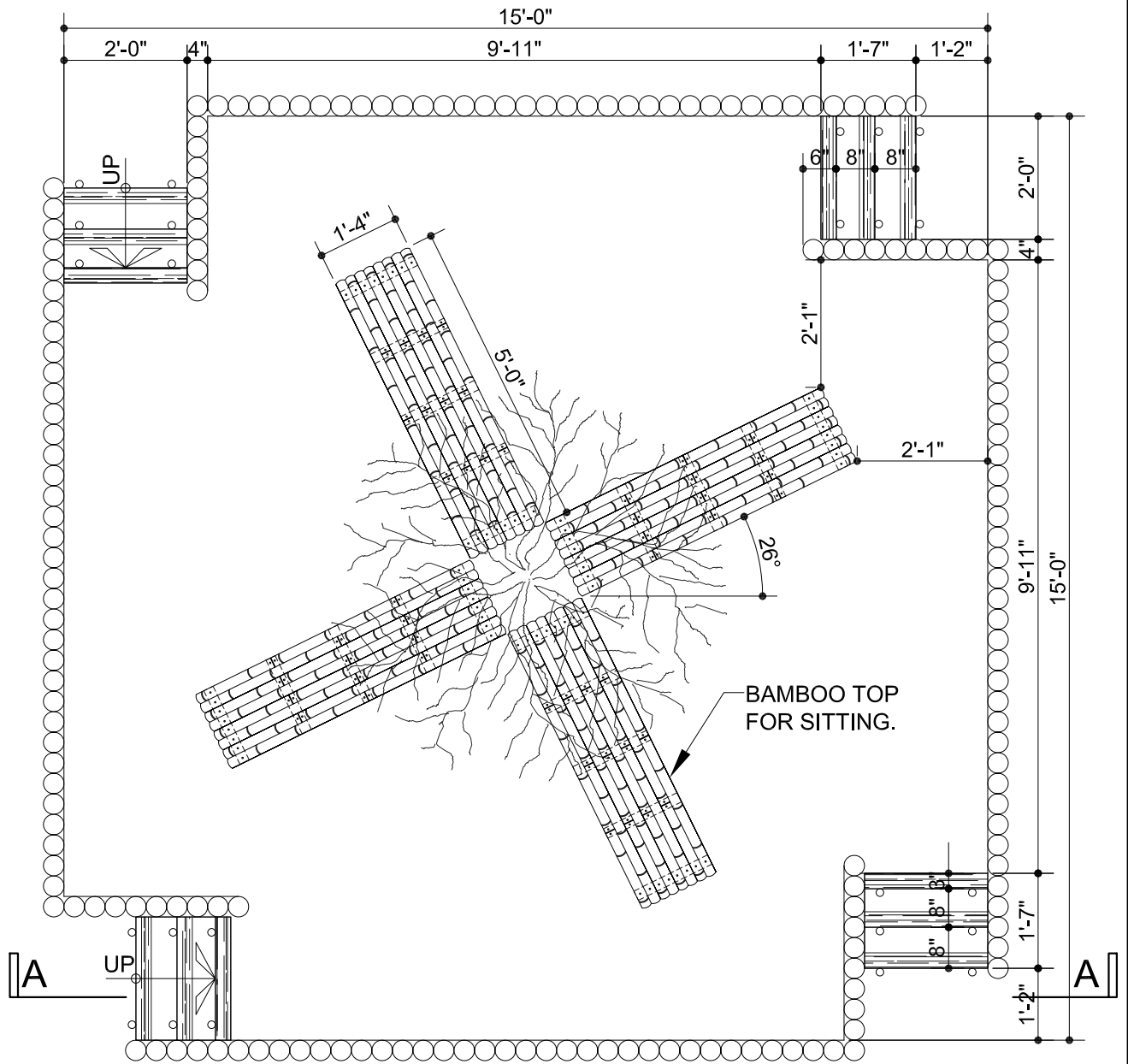
DATE : MARCH, 2007.

SHEET NO : 16 a

16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

Design Drawings.



PLAN



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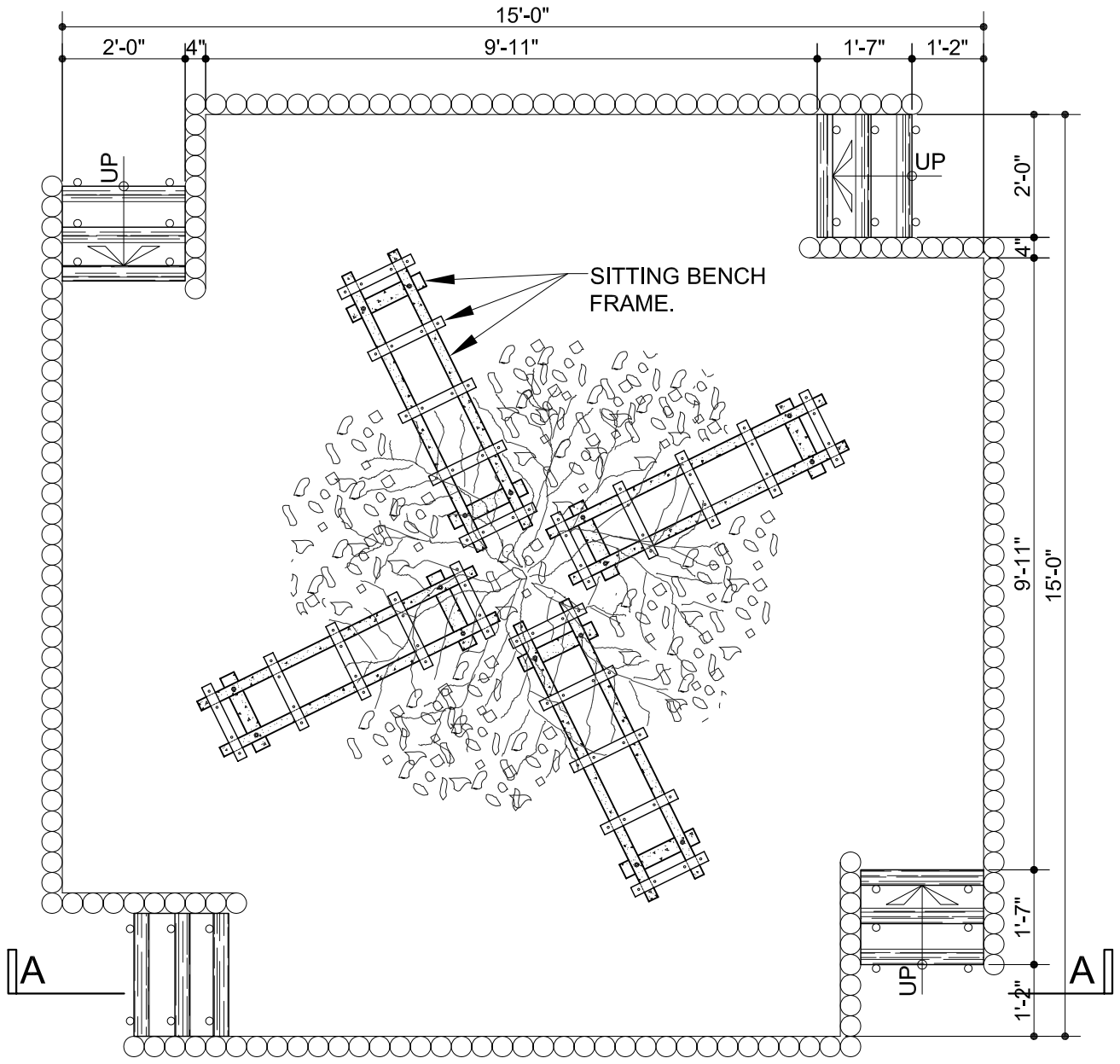
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
FAX : 880 2 8143470  
E-mail : vittitbd@gmail.com

SCALE : 3/8" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 16 b

16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

Design Drawings.



PLAN OF FRAME



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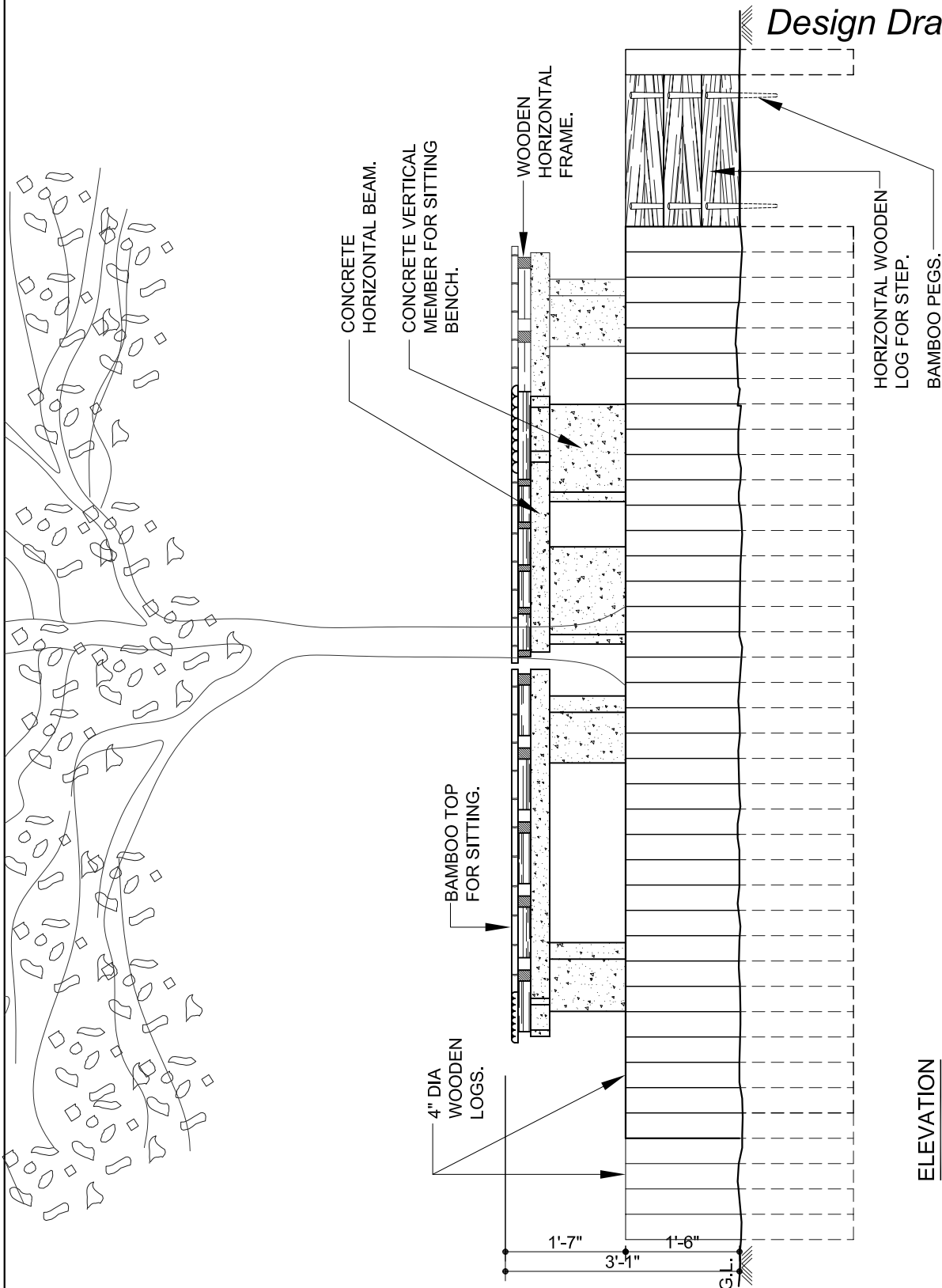
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
FAX : 880 2 8143470  
E-mail : vittibd@gmail.com

SCALE : 3/8" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 16 c

16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

Design Drawings.



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

SCALE : 1/2" = 1'-0"

DRAWN : SHAMEEM

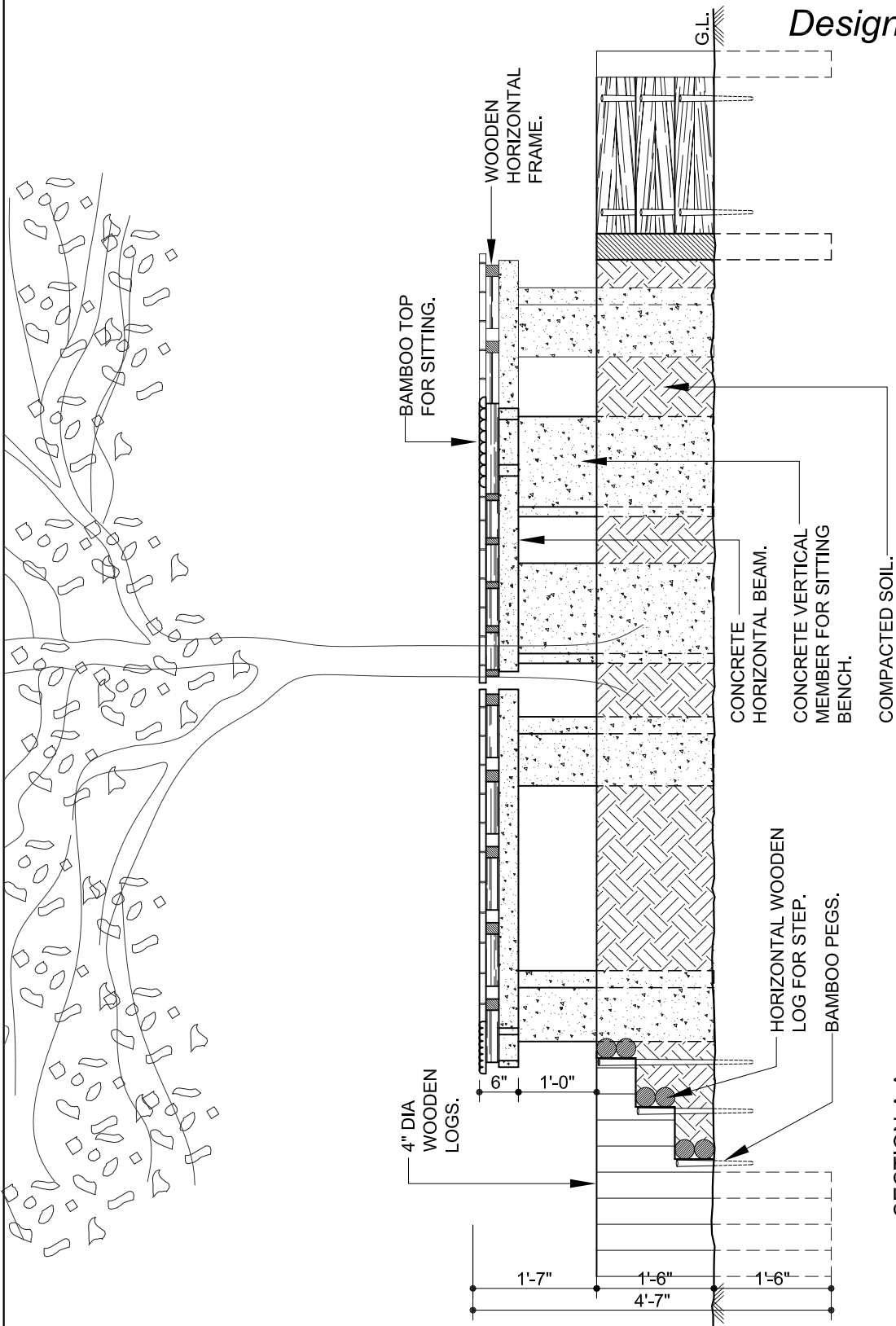
DATE : MARCH, 2007.

SHEET NO : 16 d

16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

Design Drawings.



SECTION-A:A



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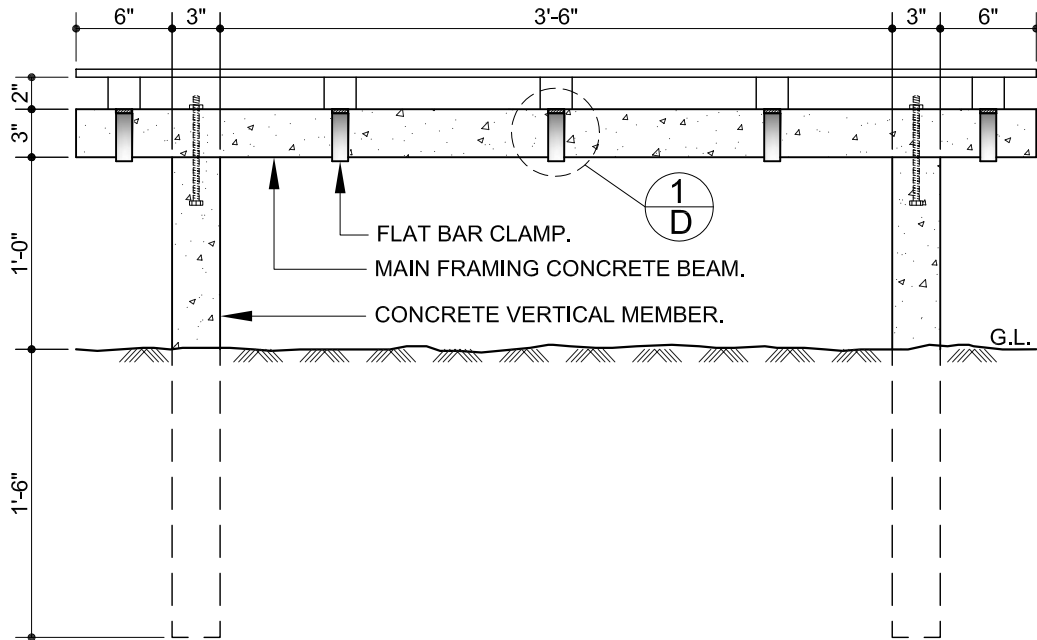
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
FAX : 880 2 8143470  
E-mail : vittibd@gmail.com

SCALE : 1/2" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 16 e

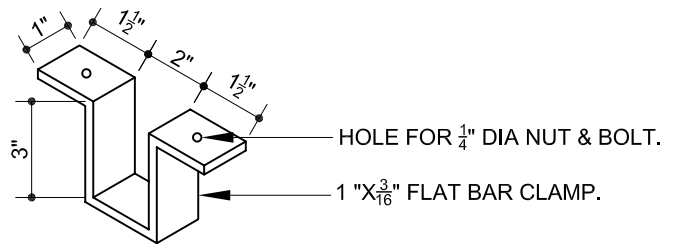
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PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

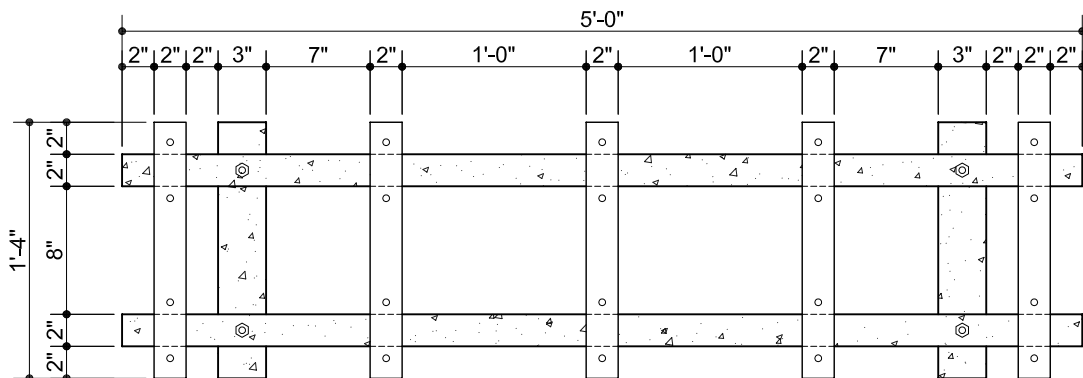
Design Drawings.



ELEVATION OF AN INDIVIDUAL SITTING BENCH.



1 D DETAIL-1



PLAN (without bamboo top)



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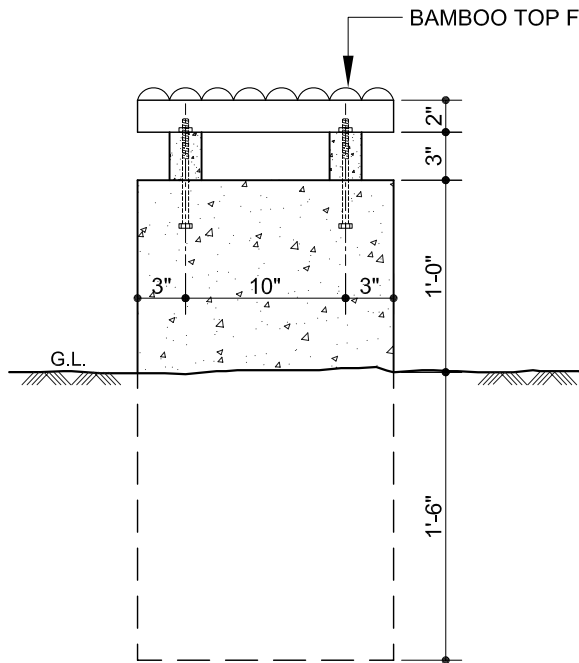
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
FAX : 880 2 8143470  
E-mail : vittitbd@gmail.com

SCALE : 1" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 16 f

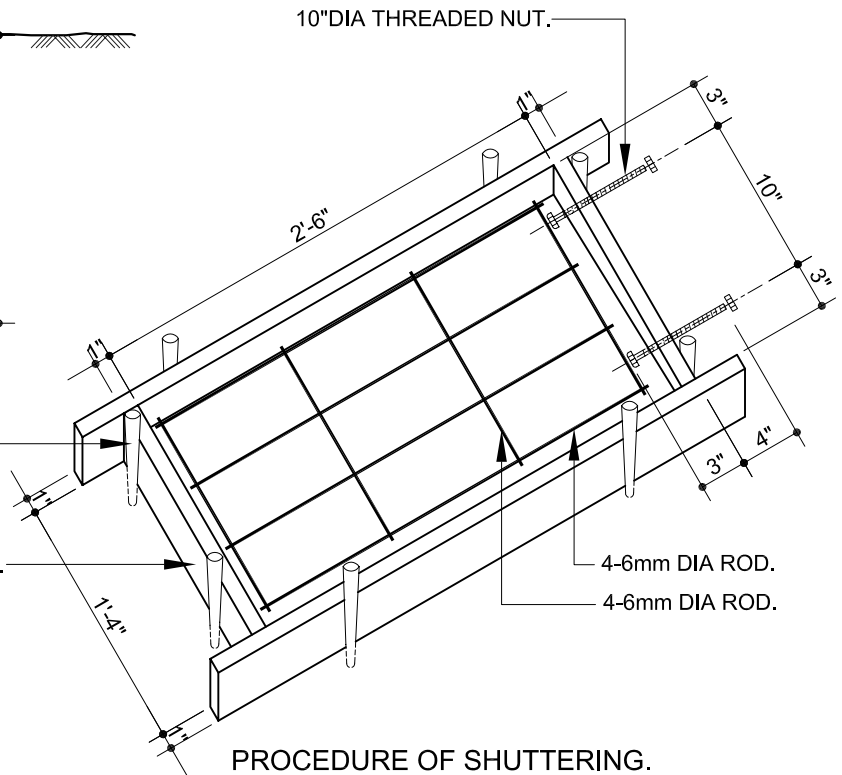
16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

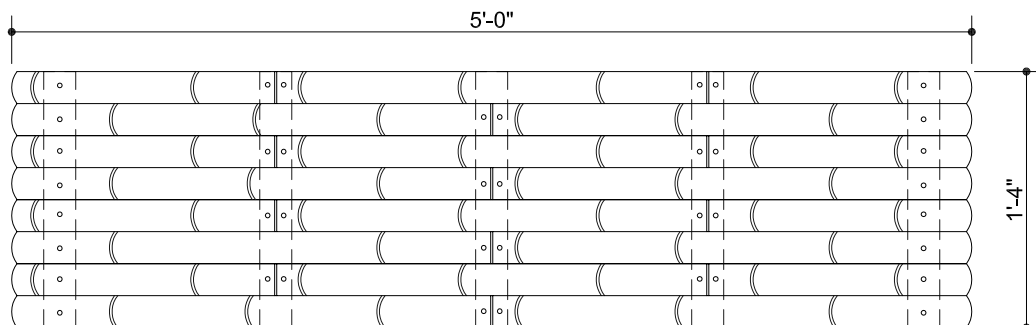
Design Drawings.



ELEVATION (side)



PROCEDURE OF SHUTTERING.  
FOR SITTING BENCH VERTICAL CONCRETE MEMBER.



PLAN (with bamboo top)



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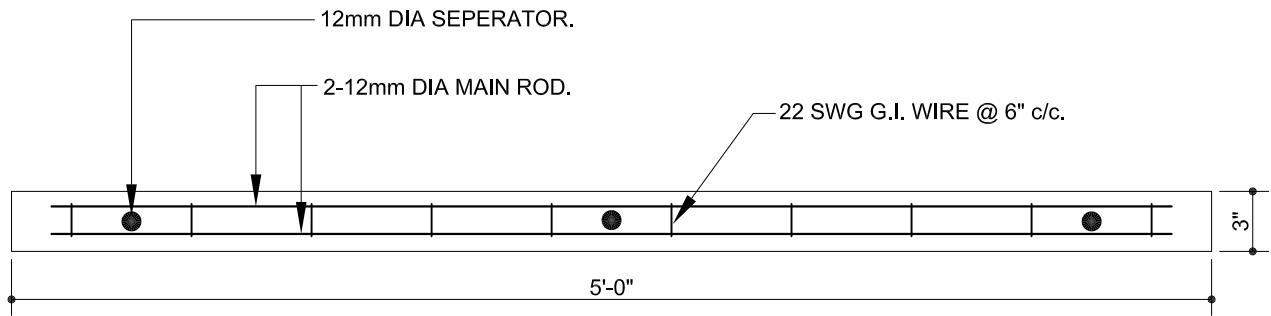
Prepared by :  
VITTI STHAPATI BRINDO LTD.  
2- SHANGSHAD AVENUE  
DHAKA -1215.  
PHONE : 8143471  
FAX : 880 2 8143470  
E-mail : vittibd@gmail.com

SCALE : 1" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 16 g

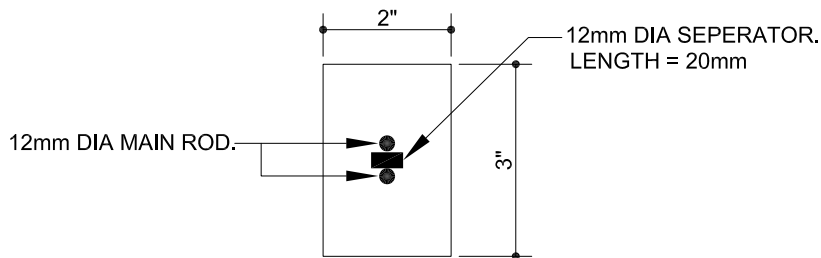
16

PICNIC AREAS FOR LARGE GROUP (>10 PEOPLE)

Design Drawings.



LONG SECTION OF MAIN CONCRETE BEAM.



CROSS SECTION OF MAIN CONCRETE BEAM.



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&  
DEPT. OF FOREST GOB.

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

SCALE : 1" = 1'-0"  
DRAWN : SHAMEEM  
DATE : MARCH, 2007.  
SHEET NO : 16 h



*Technical Data and Specifications*

Components Required for 1 No :

Description	Characteristics	Unit	Dimensions		
			Height	Length	Width
4" dia wooden log – vertical post	Sal wood	280 Pcs	3'-0"		4" dia
		8 Pcs	2'-6"		4" dia
		8 Pcs	2'-0"		4" dia
3" dia Wooden log – Horizontal Member	Sal wood	24 Pcs	3" dia	2'-0"	3"
Concrete Vertical Member	Pre-cast Reinforced concrete	8 Pcs	2'-6"	1'-4"	3"
Concrete Horizontal member	Pre-cast Reinforced concrete	8 Pcs	3"	5'-0"	2"
Wooden Horizontal Member	Wooden frame for sitting	20 Pcs	2"	1'-4"	2"
Bamboo bench top horizontal member	Wooden Horizontal member	32 Pcs	2"	5'-0"	2"
Hardware	(a) 3/8" dia M.S. Threaded nut & bolt	16 Pcs		7"	
-do-	(b) M.S. Flat bar U-clamp (1" x 1/4")	40 Pcs			
-do-	c) 1/4" dia screw with washer	80 Pcs			
-do-	d) Wire nails (3" long)	160 Pcs		3"	

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				168	
Aggregate	Stone Chips (1/2" to 3/4")		0.36			
Sand	Course sand (F.M. 2.5)		0.18			
Steel	Steel for Reinforcement		34 kg			
Wood for frames	Garjon Wood		0.0144			
Wooden log	Sal wood - 4" dia - 3" dia					267 Rm 15 Rm
Bamboo for sitting top	Well matured bamboo	32 Pcs				3'-0" long
Necessary Hardware	(a) 3/8" dia M.S. Threaded nut & bolt	16 Pcs				0'-7" long
	(b) M.S. Flat bar U-clamp (1" x 1/4")	24 Pcs				
	(c) 1/4" dia screw with washer	48 Pcs				
	(d) Wire nails (3" long)	96 Pcs				
Chemical for Treatment of Wood	Wood & bamboo preservative	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 & bamboos should be seasoned and treated mechanically. (see notes on wood treatment procedure)