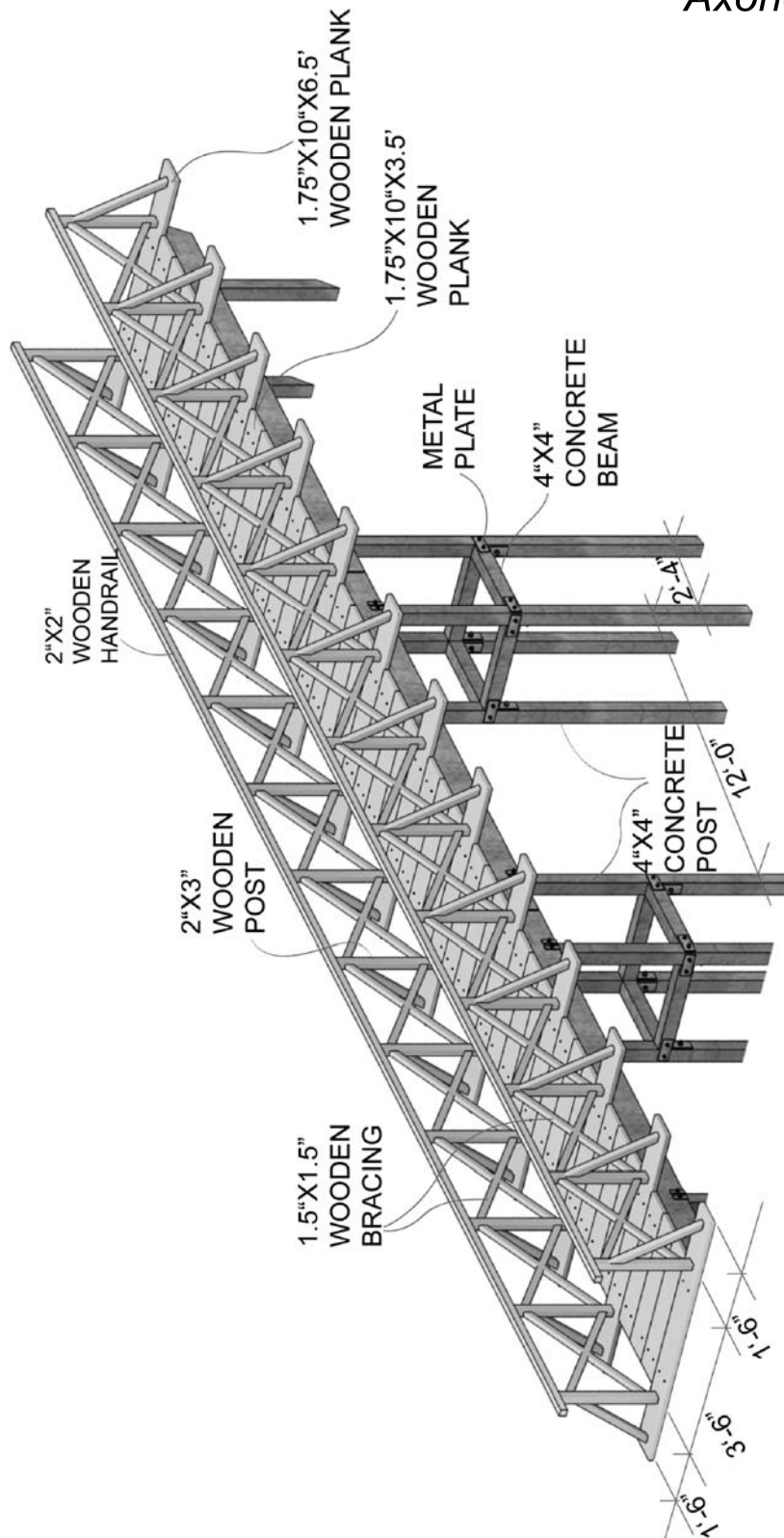


2

SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

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

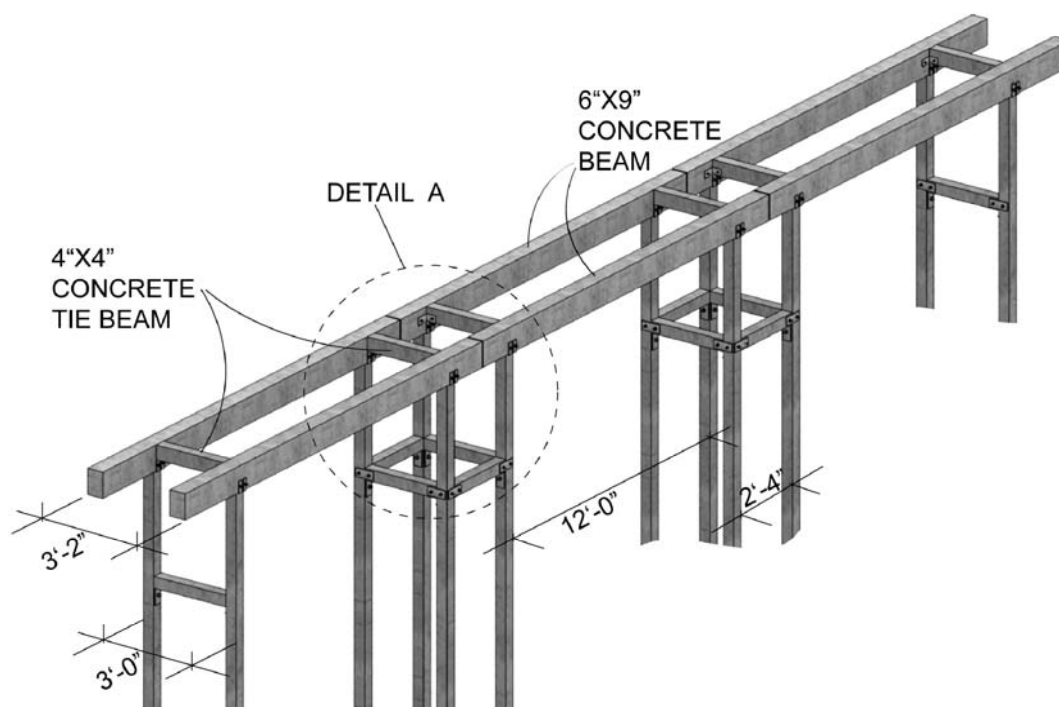
DRAWN : SHAMEEM

DATE : MARCH, 2007.

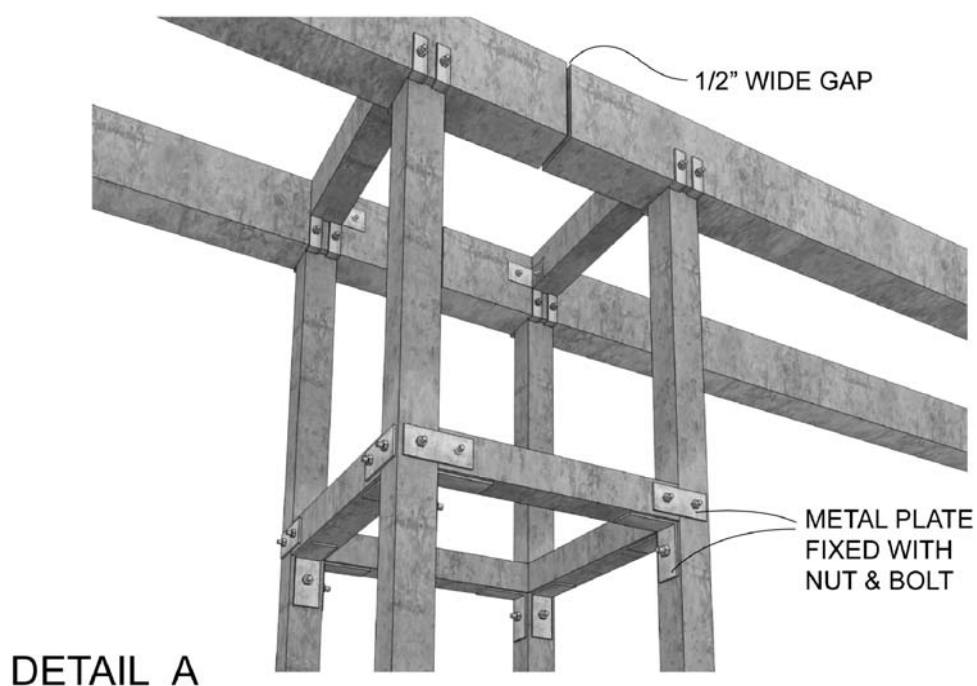
SHEET NO : 2 a

② SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

Axonometric View.



Axonometric view of concrete frame



DETAIL A



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

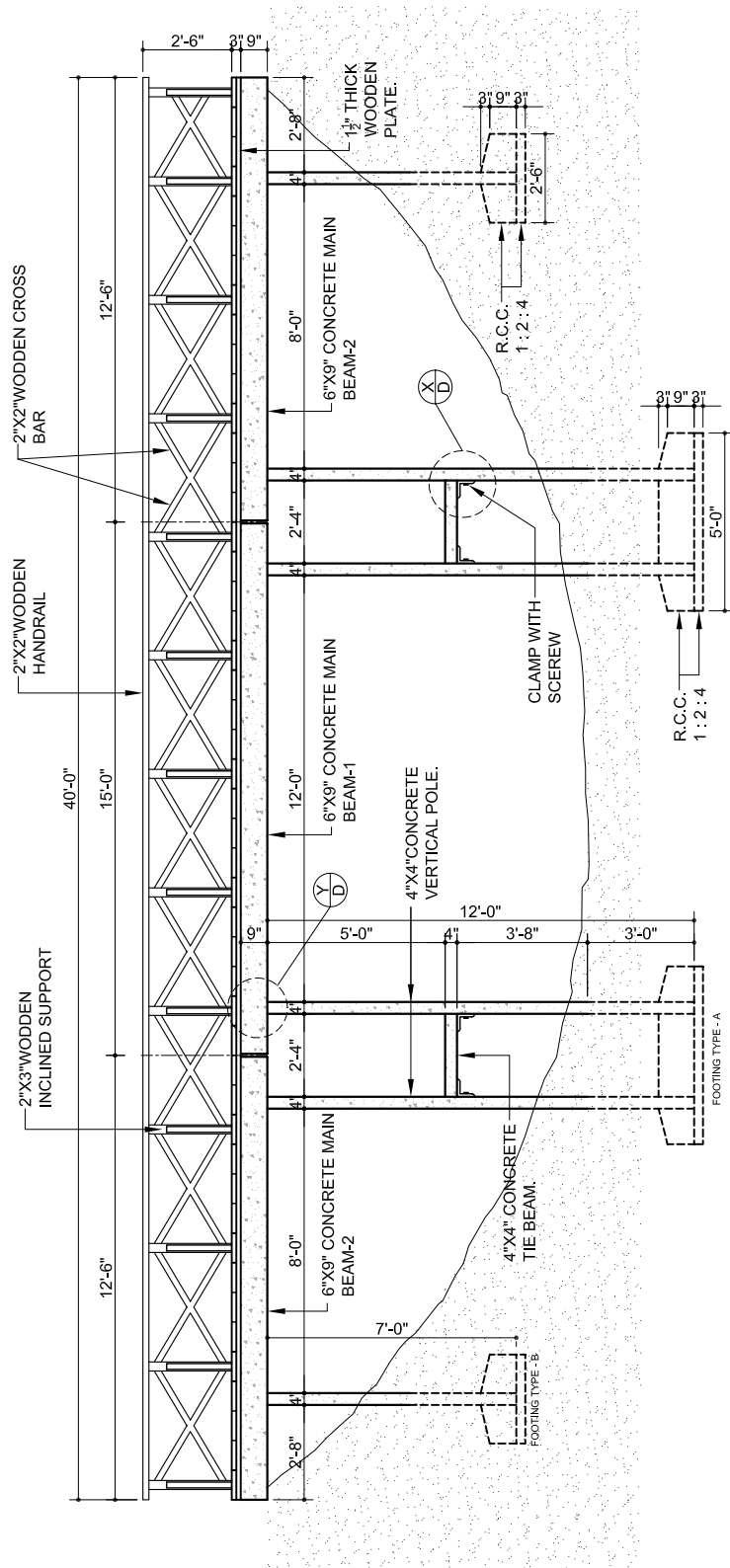
DATE : MARCH, 2007.

SHEET NO : 2 b

2

SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

Design Drawings.



ELEVATION



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 : vittitbd@gmail.com

SCALE : 3/16" = 1'-0"

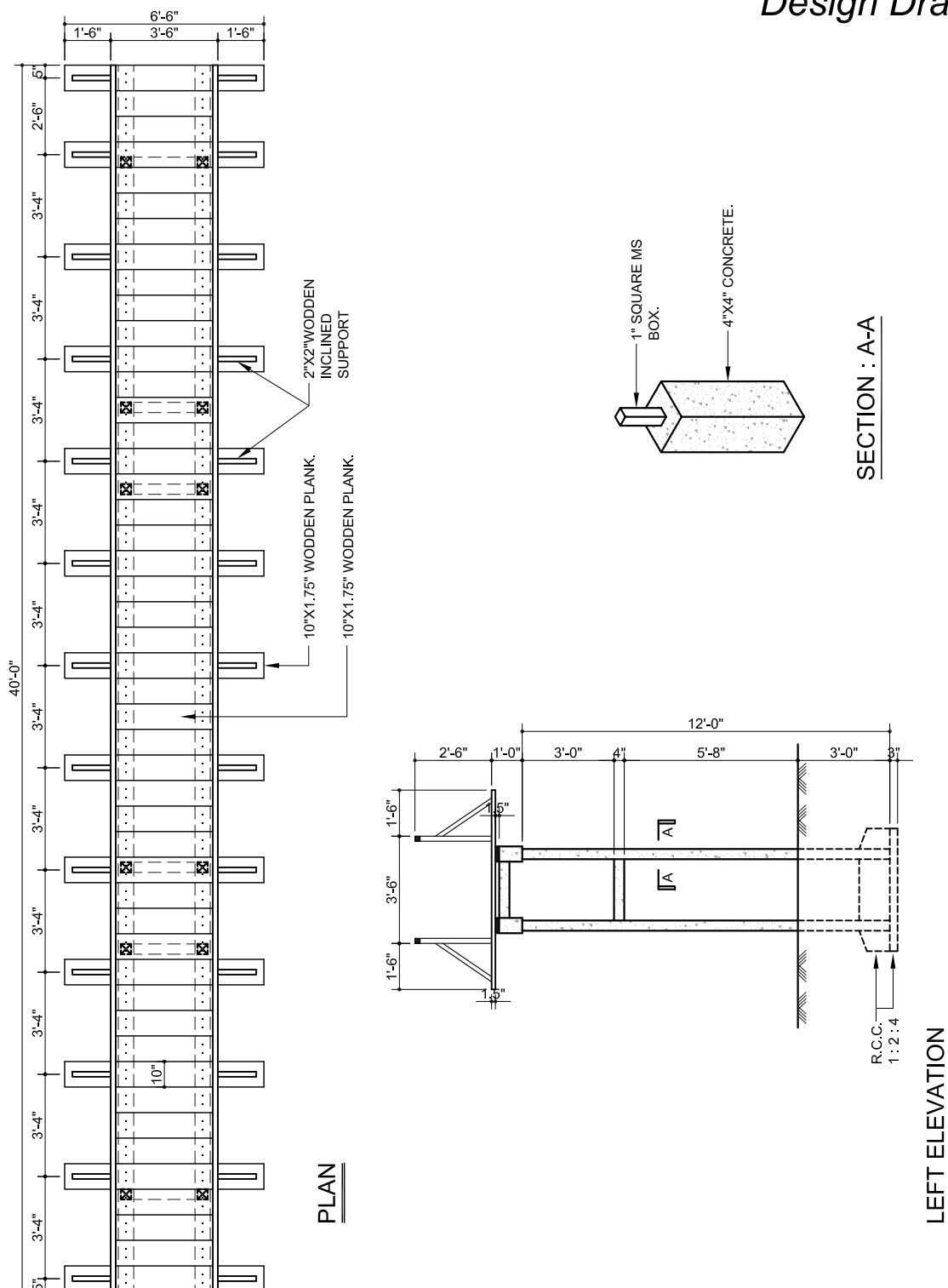
DRAWN : SHAMEEM

DATE : MARCH, 2007.

SHEET NO : 2 c

SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

Design Drawings.



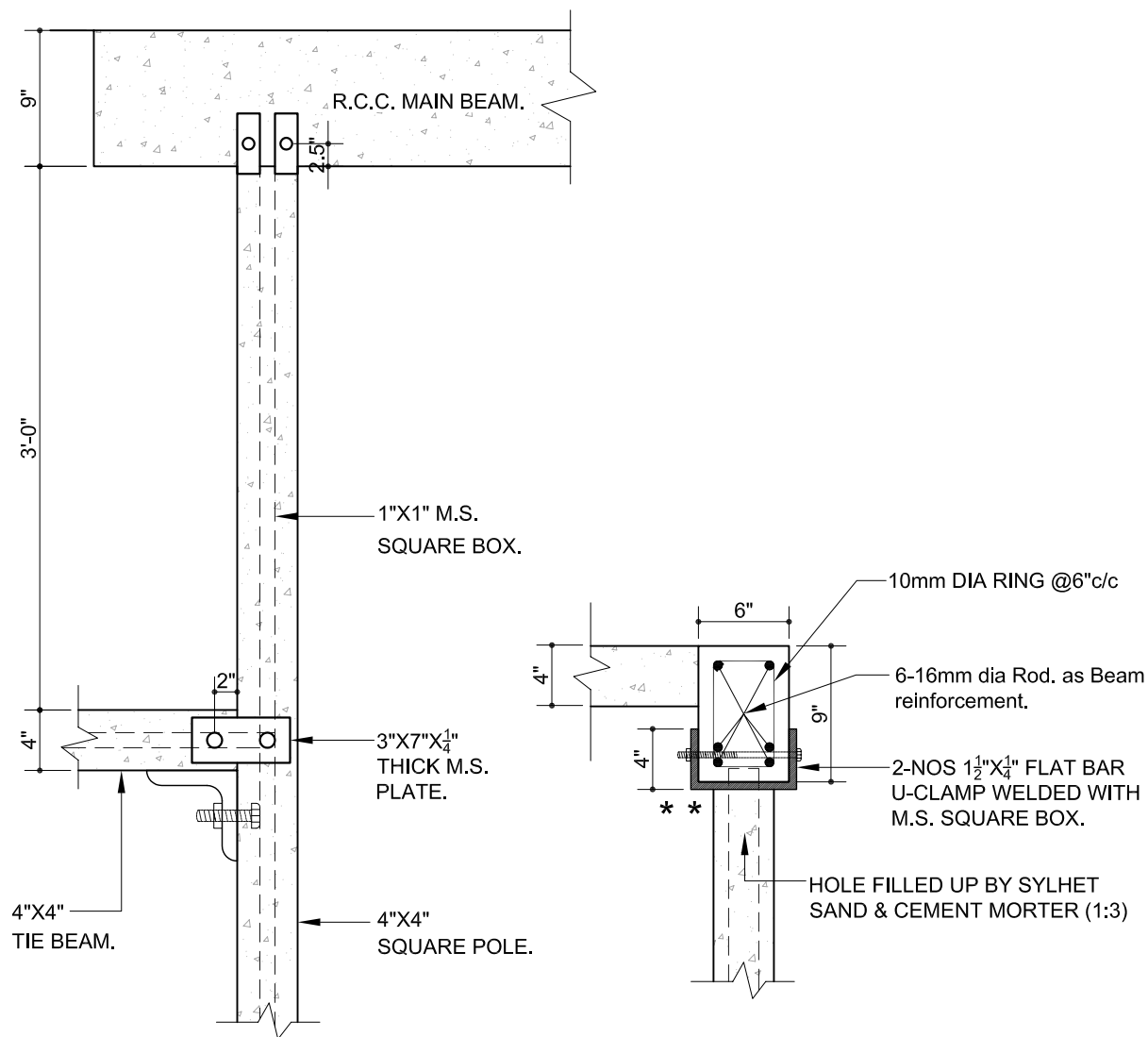
NISHORGO SUPPORT PROJECT
&
DEPT. OF FOREST GOB.

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

SHEET NO: 2 d

② SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

Design Drawings.



⊗
D

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

⊗
D

DETAIL : Y
SCALE : 1"=1'-0"

* * NOTE : 2 NOS $\frac{1}{2}$ " DIA PVC PIPE SHOULD KEEP IN POSITION DURING CASTING (FOR NUT & BOLT).



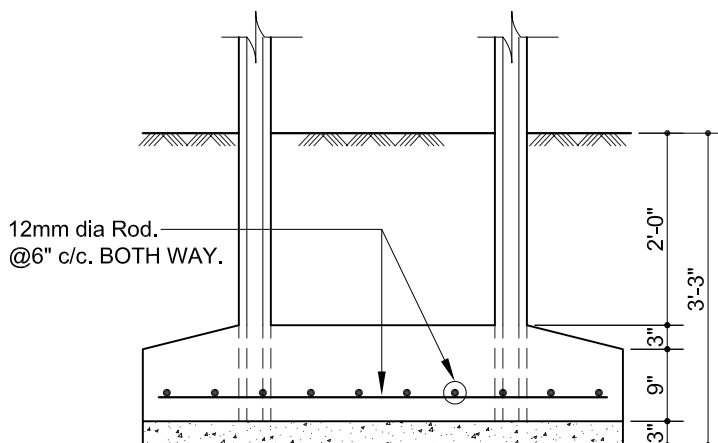
NISHORGO SUPPORT PROJECT
&
DEPT. OF FOREST GOB.

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

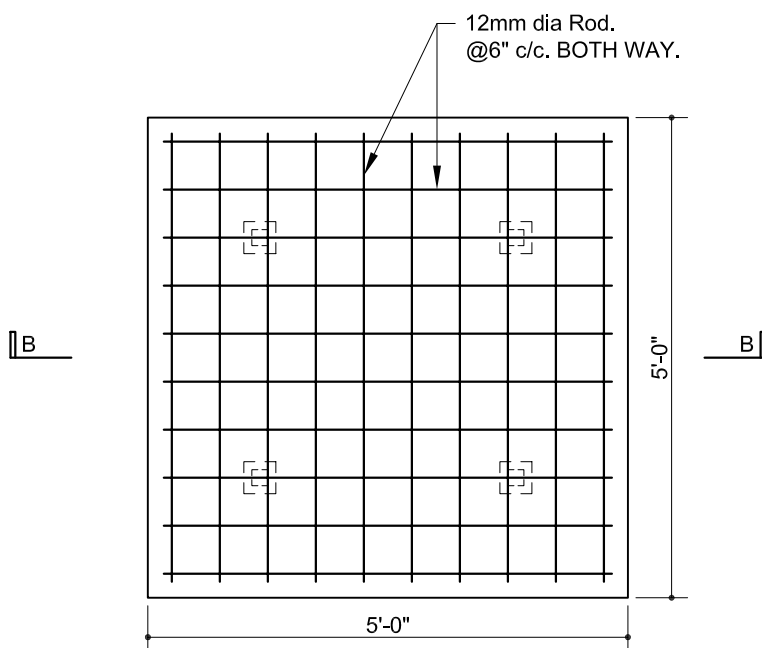
SCALE : AS SHOWN
DRAWN : SHAMEEM
DATE : MARCH, 2007.
SHEET NO : 2 e

② SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

Design Drawings.



SECTION - B:B



PLAN OF FOOTING TYPE - A



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 : 1/2" = 1'-0"

DRAWN : SHAMEEM

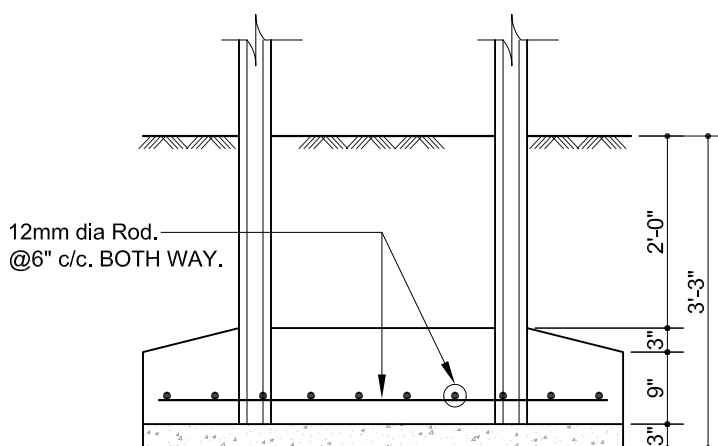
DATE : MARCH, 2007.

SHEET NO : 2 f

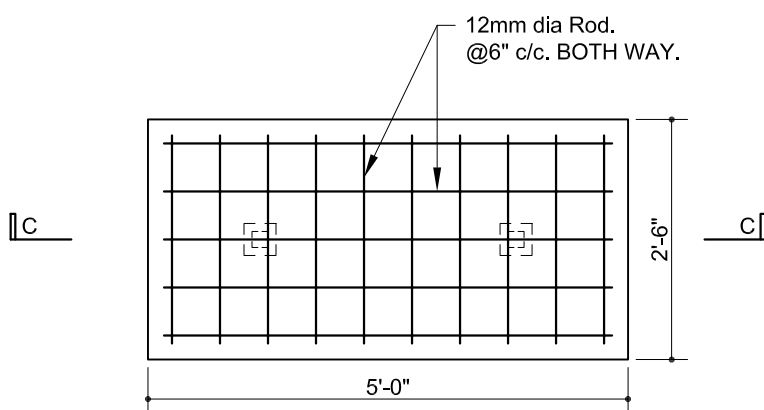
2

SIMPLE WALKING BRIDGES ACROSS WIDER CREEKS(CHORA)-40' SPAN

Design Drawings.



SECTION - B:B



PLAN OF FOOTING TYPE - B



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 : 1/2" = 1'-0"

DRAWN : SHAMEEM

DATE : MARCH, 2007.

SHEET NO : 2 g

Technical Data and Specifications

Components Required for 1 No :

Description	Characteristics	Unit	Dimensions		
			Height	Length	Width
Concrete Vertical member (Square Pole)	Pre-cast Reinforced concrete	8 Pcs	12'-0"	4"	4"
		4 Pcs	7'-0"	4"	4"
Concrete Base	Cast-in-situ concrete	2 Pcs	1'-3"	5'-0"	5'-0"
		2 Pcs	1'-3"	5'-0"	2'-6"
Concrete Horizontal member (Tie Beam)	Pre-cast Reinforced concrete	16 Pcs	4"	2'-4"	4"
Concrete Horizontal member (Main Beam-1)	Pre-cast Reinforced concrete	2 Pcs	9"	15'-0"	6"
Concrete Horizontal member (Main Beam-2)	Pre-cast Reinforced concrete	4 Pcs	9"	12'-6"	6"
Beam top wooden plate	Wooden Horizontal member	10 Pcs	1.5"	8'-0"	6"
Horizontal member for Decking/ Wooden Platform	Wooden Horizontal member	36 Pcs	1.75"	3'-6"	10"
Horizontal member for Decking/ Wooden Platform	Wooden Horizontal member	12 Pcs	1.75"	6'-6"	10"
Wooden Railing	Wooden Vertical Post	24 Pcs	2'-6"	3"	2"
Wooden Railing	Wooden X-Breaching	44 Pcs	1.5"	4'-2"	1.5"
Wooden Railing	Wooden Inclined Support	24 Pcs	2"	2'-10"	2"
Wooden Railing	Wooden Hand Rail	2 Pcs	2"	40'-0"	2"
Metal Clamp	M.S. Angle Clamp	40 Pcs	3"	4"	3"
Metal Plat Clamp	M.S. Sheet Clamp (3"x7")	40 Pcs	3"	7"	¼"

02

SIMPLE WALKING BRIDGE ACROSS WIDER CREEKS (40 ft span)

Technical Data and Specifications

Summary of Materials :

Fit out Parts	Type of Materials	Nos.	Volume		Weight	Long
			M ³	(p.m.p.)	(Kg)	(mm)
Cement	Portland Cement				1350	
Aggregate	Stone Chips (1/2" to 3/4")		3.00			
Sand	Course sand (F.M. 2.5)		1.50			
Steel for Reinforcement	M.S. Square Box (1"x1")	8				3640 (each)
	M.S. Square Box (1"x1")	8				700 (each)
	M.S. Square Box (1"x1")	4				2140 (each)
Wood for Deck and Railing	Garjon Wood		1.07			
Steel work with necessary hardware	M.S. U-Clamp	24 Pcs				
	M.S. Angle (2"x2"x1/4")	28 Pcs				
	Nut & bolt-12mm dia	28 Pcs				
	Nut & bolt-6mm dia	30 Pcs				
	3" long wire nail (Gazal)	192 Pcs.				
	Metal sheet plate	40 Pcs				
Chemical for Treatment of Wood	Wood preservative	1 Lot				
Screws, washer, nut & bolts etc.	Steel Materials	1 Lot				

Specifications :

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

DEPARTMENT OF FOREST, GOB
&
NISHORGO SUPPORT PROJECT

Design Guideline :
SIMPLE WALKING BRIDGE

Prepared by
VITTI Sthapati Brindo Ltd.