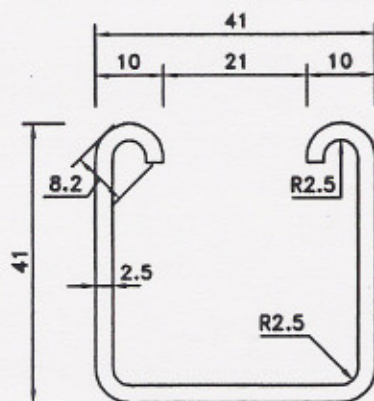
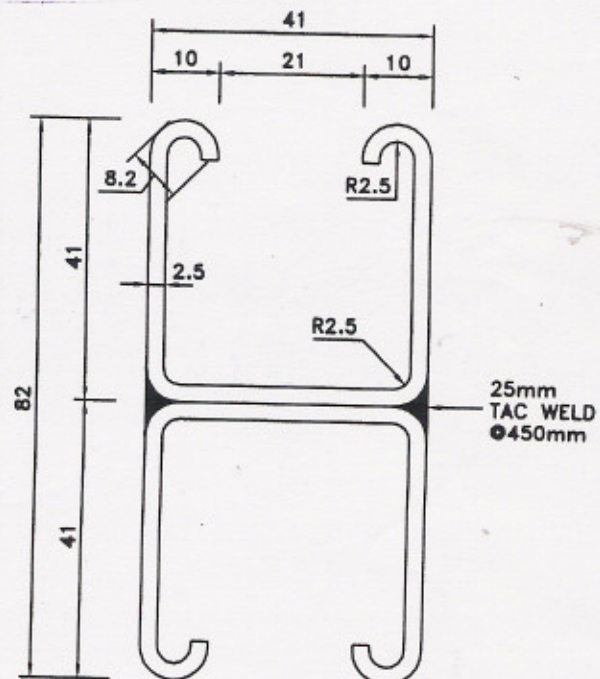


		OWNER		NTPC-SAIL POWER COMPANY PVT. LTD.		
		PROJECT		2X250 MW BHILAI POWER PROJECT (UNIT # 1 & 2)		
		CONSULTANTS		BLACK & VEATCH, USA		
		 BHARAT HEAVY ELECTRICALS LIMITED POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOIDA, UTTAR PRADESH, INDIA				
		 VATCO ELEC-POWER PRIVATE LIMITED NAVI MUMBAI, INDIA				
TITLE:- TYPICAL DETAILS OF BOLTABLE TYPE CABLE TRAY SUPPORT MATERIAL & ACCESSORIES		DEPT CODE E	DESN	-	-	-
			CHKD	M. ANAND		21.03.07
			APPD	S. JITENDRA		21.03.07
		VATCO DRG.NO.		REV. 0		
VEPPL/BHEL/NOIDA/BHILAI/093						
BHEL DRG. NO:				SCALE : NTS	SHEET NO	1
PE-DG-239-507-E051					NO OF SHEET	11



SINGLE CHANNEL SCI



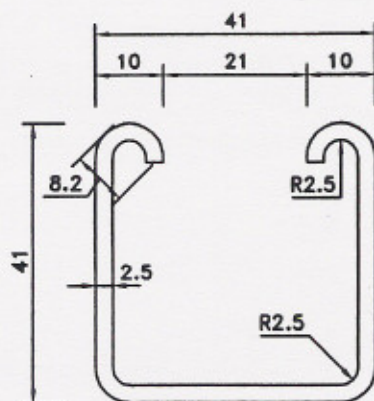
DOUBLE CHANNEL DCI

TWO LENGTHS OF SINGLE CHANNEL
SPOT WELDED BACK TO BACK
AT 75MM C/C

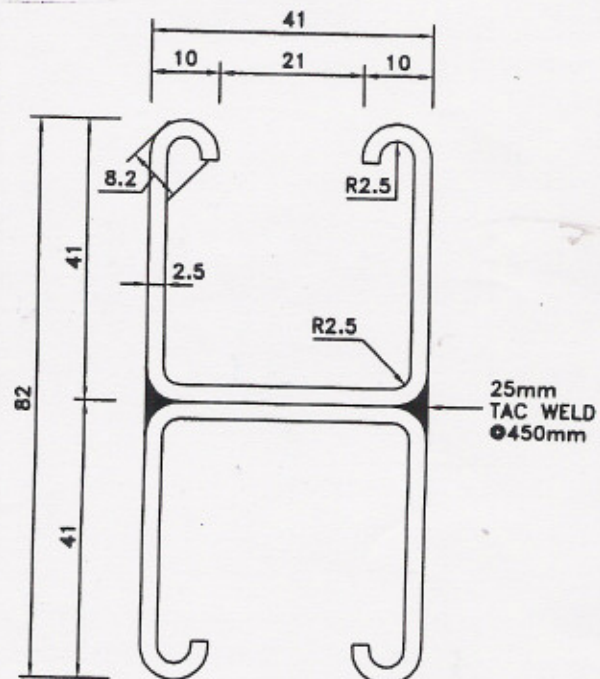
- NOTES :**
1. ALL DIMENSIONS ARE IN mm
 2. MATERIAL : 2.5 MM THK MS SHEET HOT ROLLED AS PER IS : 1079
 3. FINISH : HOT DIP GALVANISED AS PER IS 2629
 4. TOLERANCE ON THICKNESS IS AS PER IS 1852
 5. PROFILE TOLERANCE +/- 0.5 MM

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093
BHEL DRG. NO. :
PE-DG-239-507-E051
SHEET :- 2 OF 11 **REV. :- 0**



SINGLE CHANNEL SCI



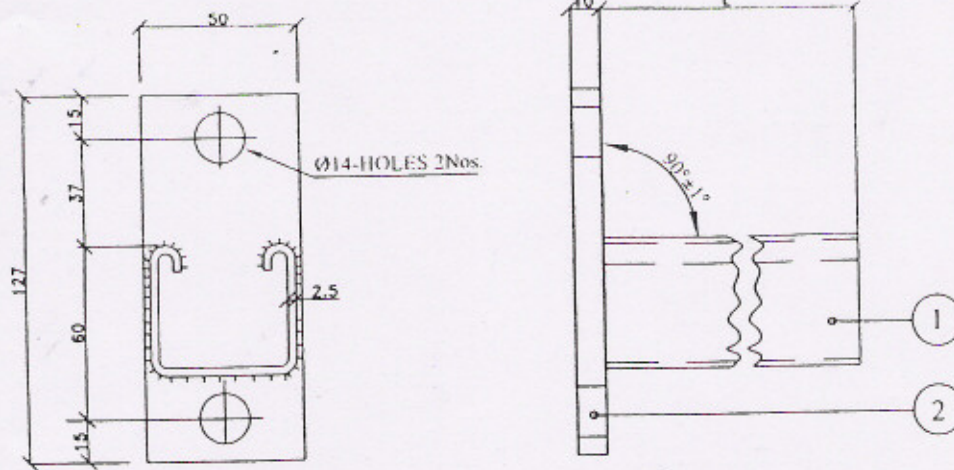
DOUBLE CHANNEL DCI

TWO LENGTHS OF SINGLE CHANNEL
SPOT WELDED BACK TO BACK
AT 75MM C/C

- NOTES :** 1. ALL DIMENSIONS ARE IN mm
 2. MATERIAL : 2.5 MM THK MS SHEET HOT ROLLED AS PER IS : 1079
 3. FINISH : HOT DIP GALVANISED AS PER IS 2629
 4. TOLERANCE ON THICKNESS IS AS PER IS 1852
 5. PROFILE TOLERANCE +/- 0.5 MM

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
 VEPPL/BHEL/NOIDA/BHILAI/093
 BHEL DRG. NO. :
 PE-DG-239-507-E051
 SHEET :- 2 OF 11 REV. :- 0



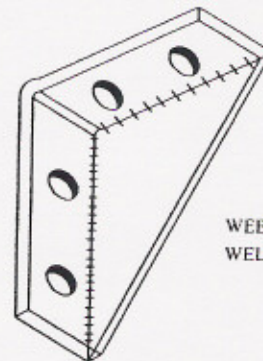
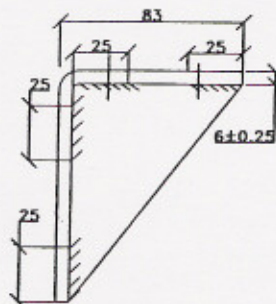
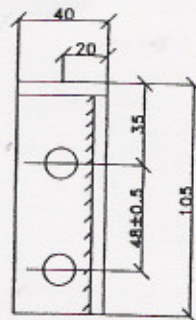
CANTILEVER ARMS

TRAY WIDTH IN MM	CANTILEVER ARM LENGTH [L] IN MM
150	170
300	320
450	470
600	620

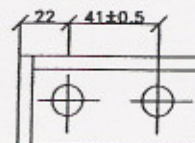
- NOTES :**
1. ALL DIMENSIONS ARE IN mm
 2. MATERIAL : 2.5 MM THK MS SHEET HOT ROLLED AS PER IS : 1079
 3. FINISH : HOT DIP GALVANISED AS PER IS 2629
 4. TOLERANCE ON THICKNESS IS AS PER IS 1852
 5. PROFILE TOLERANCE +/- 0.5 MM

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093
BHEL DRG. NO. :
PE-DG-239-507-E051
SHEET :- 3 OF 11 REV. :- 0



WEB 3 ±0.25mm
WELDED 6mm FILLET

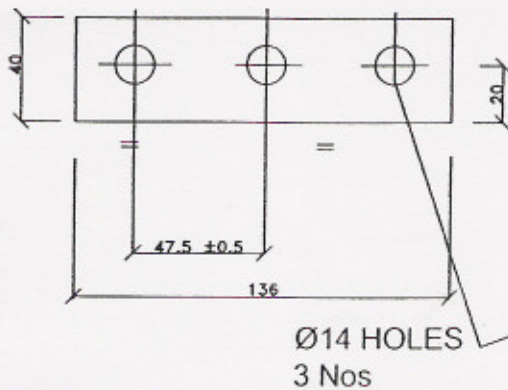
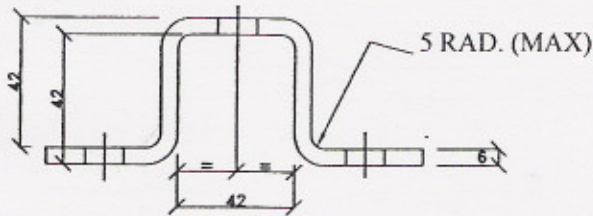
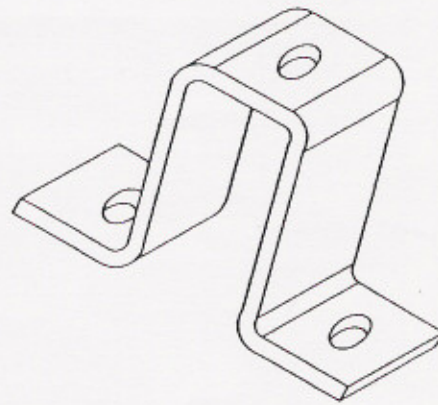
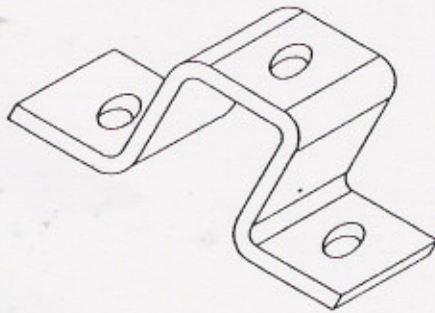


90° ANGLE FITTING HL1

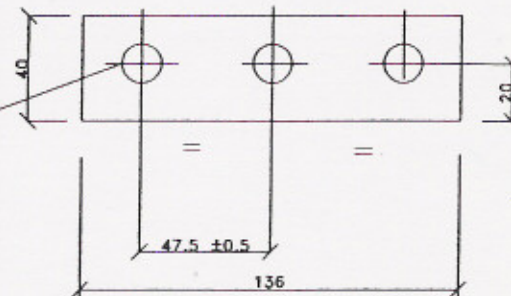
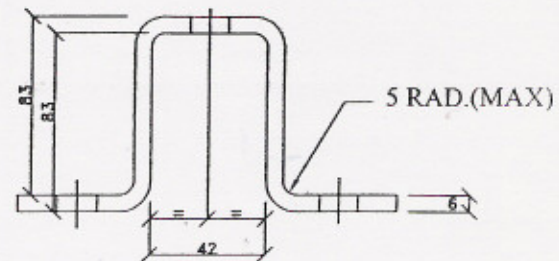
NOTES :

1. ALL DIMENSIONS ARE IN mm.
2. ALL FABRICATION TOLERANCES ± 1.0 mm
- 3. MATERIAL : MILD STEEL AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629
5. TOLERANCE ON THICKNESS AS PER IS:1852

TITLE :- TYPICAL DETAILS OF BOLTABLE TYPE CABLE TRAY SUPPORT MATERIAL & ACCESSORIES	VATCO DRG. NO. :
	VEPPL/BHEL/NOIDA/BHILA/093
	BHEL DRG. NO. :
	PE-DG-239-507-E051
SHEET :- 4 OF 11 REV. :- 0	



CLAMP FOR SINGLE CHANNEL CC1



CLAMP FOR DOUBLE CHANNEL CC2

NOTES

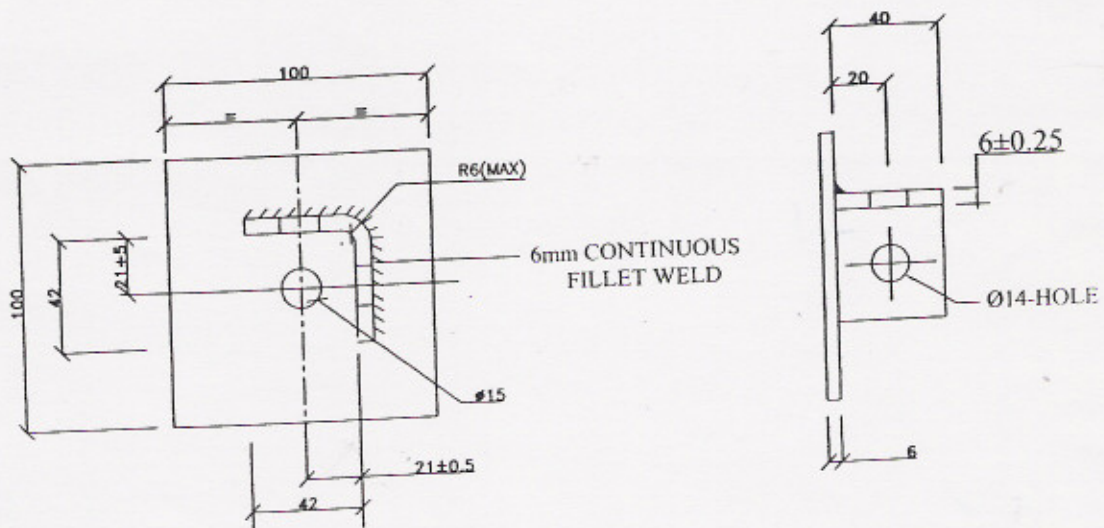
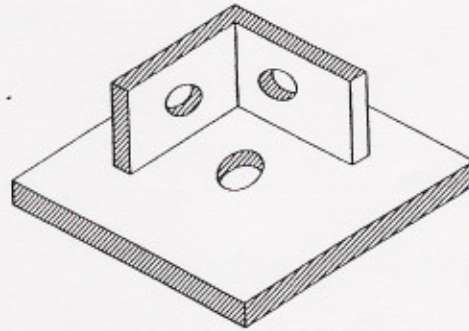
1. ALL DIMENSIONS ARE IN mm.
2. ALL FABRICATION TOLERANCES ± 1.0 mm
3. MATERIAL :MILD STEEL AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629
5. TOLERANCE ON THICKNESS AS PER IS:1852

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093

BHEL DRG. NO. :
PE-DG-239-507-E051

SHEET :- 5 OF 11 **REV. :- 0**



BASE PLATE FOR SINGLE CHANNEL BPI

NOTE

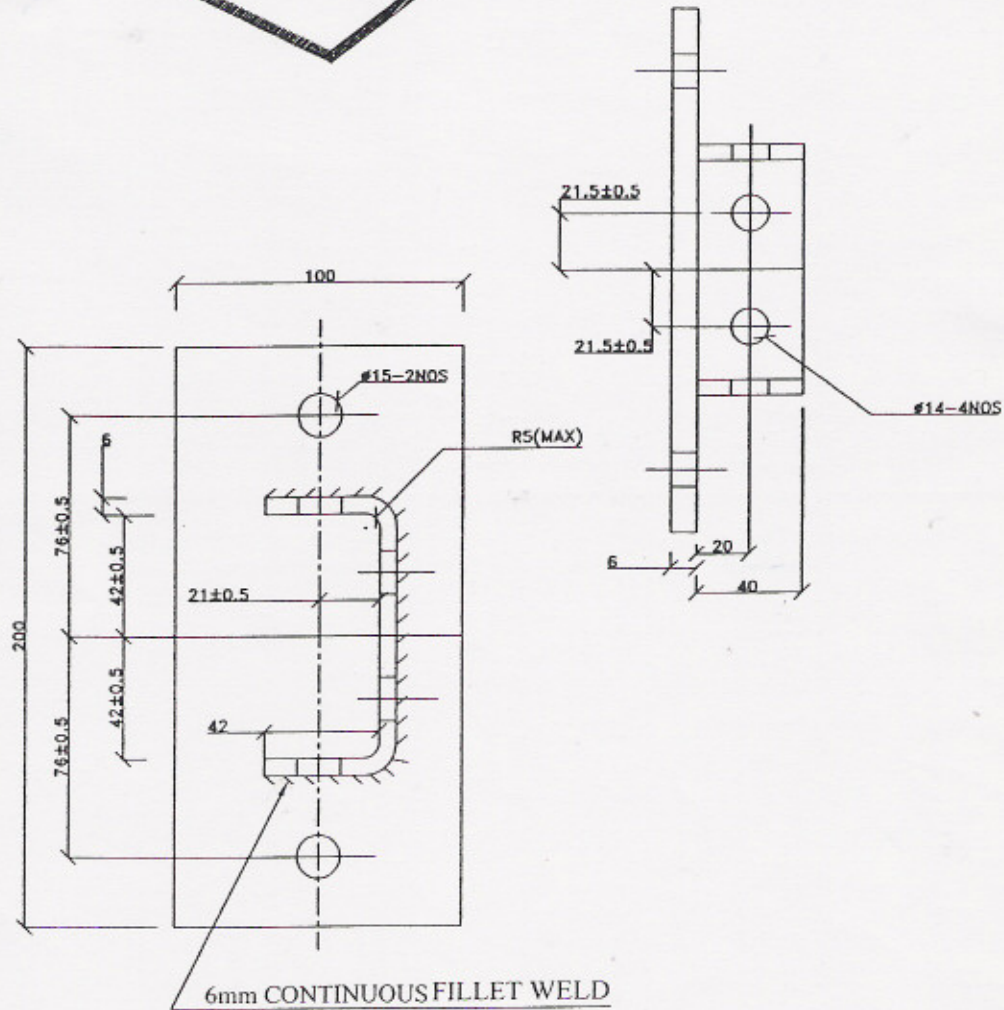
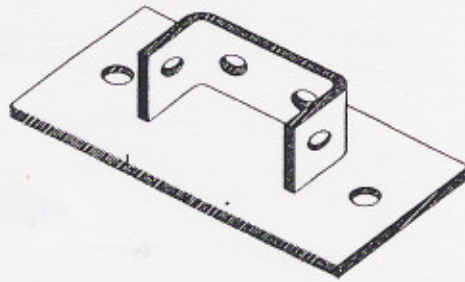
1. ALL DIMENSIONS ARE IN MM.
2. ALL FABRICATION TOLERANCES $\pm 1.0\text{mm}$.
3. MATERIAL :MILD STEEL AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629
5. TOLERANCE ON THICKNESS AS PER IS:1852

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093

BHEL DRG. NO. :
PE-DG-239-507-E051

SHEET :- 6 OF 11 **REV. :- 0**



BASE PLATE FOR DOUBLE CHANNEL BP2

NOTES

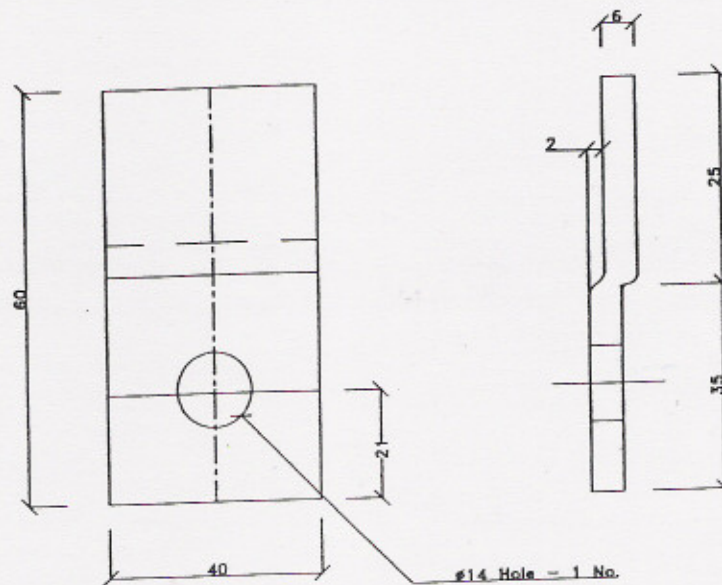
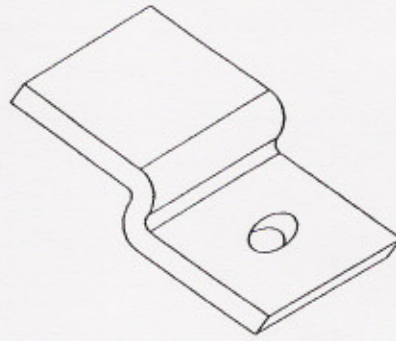
1. ALL DIMENSIONS ARE IN MM
2. ALL FABRICATION TOLERANCES $\pm 1.0\text{mm}$
3. MATERIAL : MILD STEEL AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629
5. TOLERANCE ON THICKNESS AS PER IS:1852

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093

BHEL DRG. NO. :
PE-DG-239-507-E051

SHEET :- 7 OF 11 **REV. :- 0**



TRAY FIXING CLAMP - TC1

NOTES

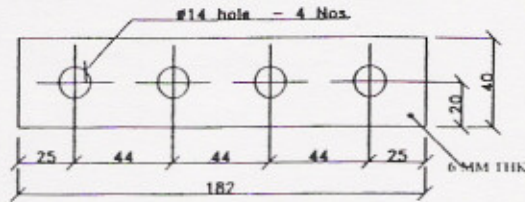
1. ALL DIMENSIONS ARE IN mm.
2. ALL FABRICATION TOLERANCES : $\pm 1.0\text{mm}$
3. MATERIAL : MILD STEEL AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629
5. TOLERANCE ON THICKNESS AS PER IS:1852

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

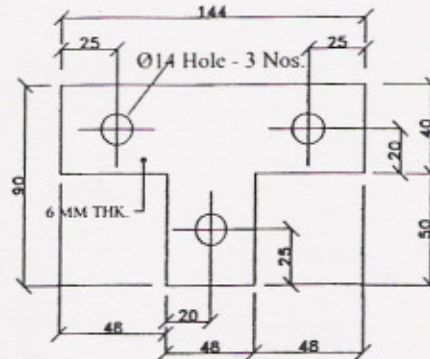
VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093

BHEL DRG. NO. :
PE-DG-239-507-E051

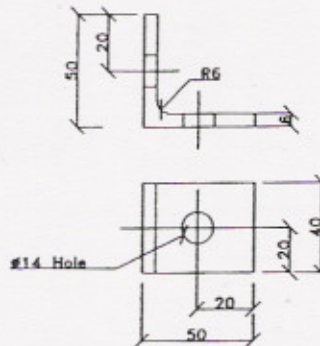
SHEET :- 9 OF 11 **REV. :- 0**



FLAT PLATE STRAIGHT FITTING PF2



FLAT PLATE TEE FITTING PF1



90° ANGLE FITTING LA1

NOTES

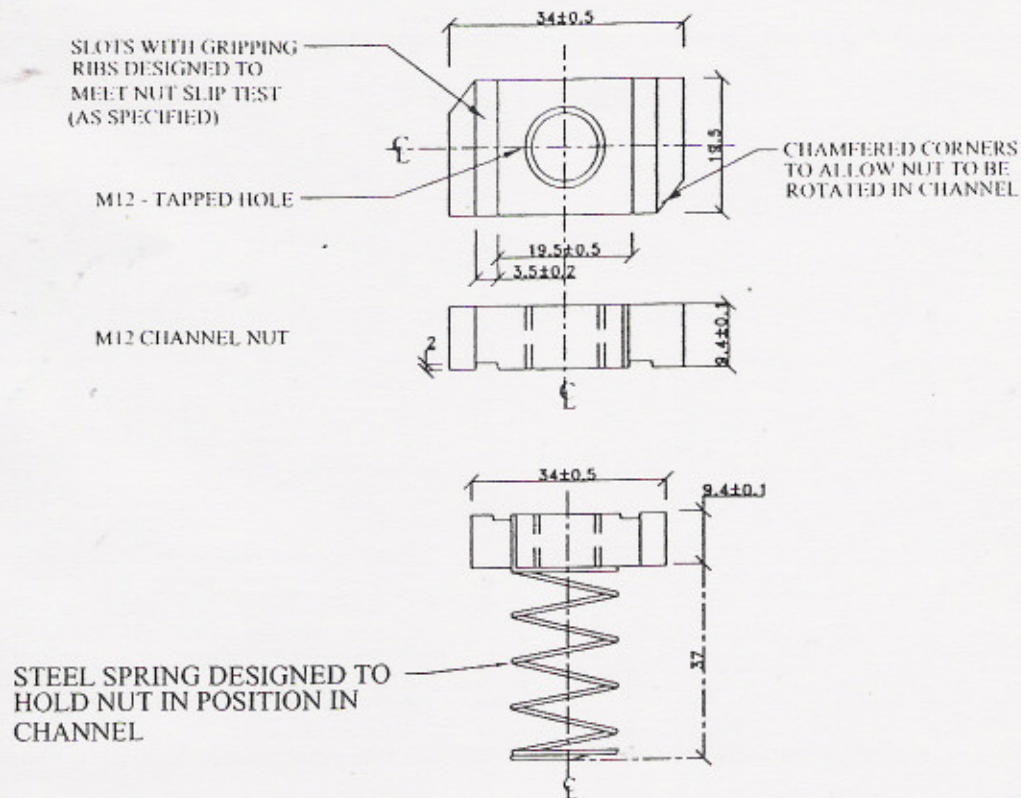
1. ALL DIMENSIONS ARE IN mm.
2. ALL FABRICATION TOLERANCES ± 1.0 mm
3. MATERIAL :MILD STEEL AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

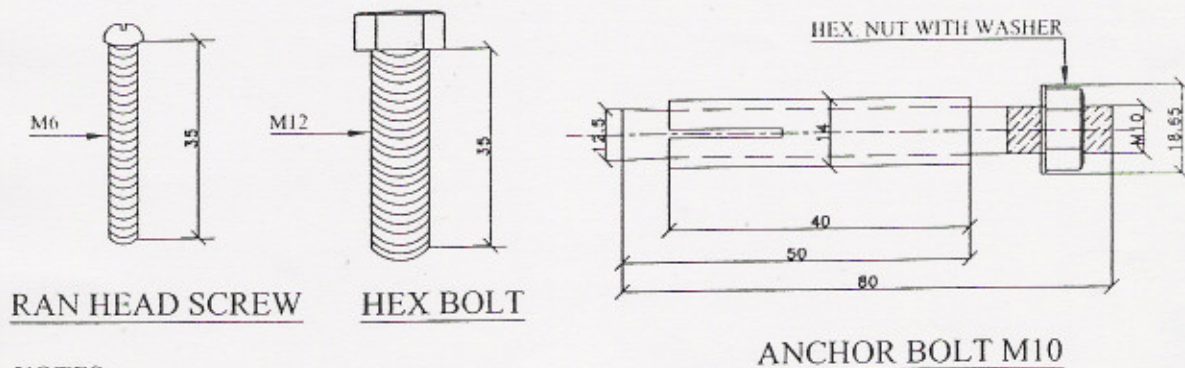
VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093

BHEL DRG. NO. :
PE-DG-239-507-E051

SHEET :- 10 OF 11 **REV. :- 0**



SPRING NUT ASSEMBLY



NOTES:

1. MATERIAL - MS AS PER IS - 2062.
2. M6 CHANNEL NUT DIMENSIONAL SIMILAR TO M12.
EXCEPT HOLE DRILLED AND TAPPED TO M6 PAN HEAD SCREWS.
3. TAPPED HOLE THREADING TO MATCH WITH THREADING OF BOLTS.
4. SURFACE PROTECTION ELECTROGALVANISED / CADMIUM PLATED.
5. ALL DIMENSIONS ARE IN MM.

TITLE :-
TYPICAL DETAILS OF BOLTABLE TYPE
CABLE TRAY SUPPORT MATERIAL &
ACCESSORIES

VATCO DRG. NO. :
VEPPL/BHEL/NOIDA/BHILAI/093

BHEL DRG. NO. :
PE-DG-239-507-E051

SHEET :- 11 OF 11 **REV. :- 0**