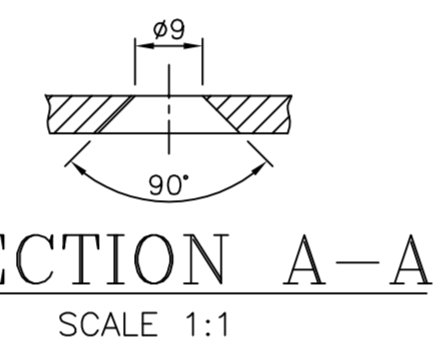
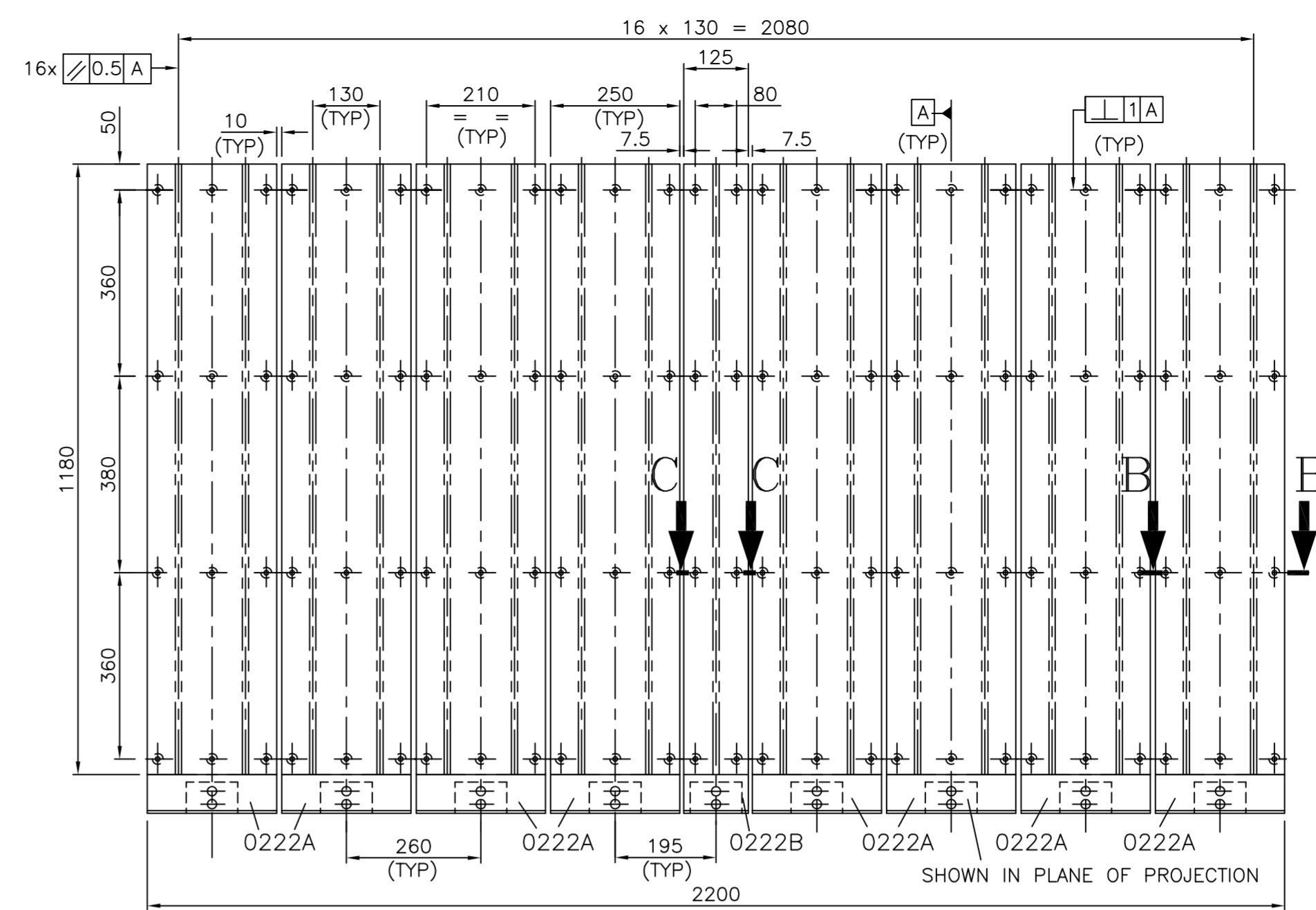


**0221A/B - ANODE BUSBAR**  
SCALE 1:10

QUANTITY/ELECTROLYSER : 0221A - 16 Nos.  
 QUANTITY/ELECTROLYSER : 0221B - 2 Nos.  
 WEIGHT : 0221A - 14.8 Kgs. #  
 0221B - 7.4 Kgs. #  
 (VENDOR TO CONFIRM IN QUOTATION)  
 NO. OF ELECTROLYSER : 6 No.  
 TOTAL QUANTITY FOR 0221A - 96 Nos.  
 TOTAL QUANTITY FOR 0221B - 12 Nos.



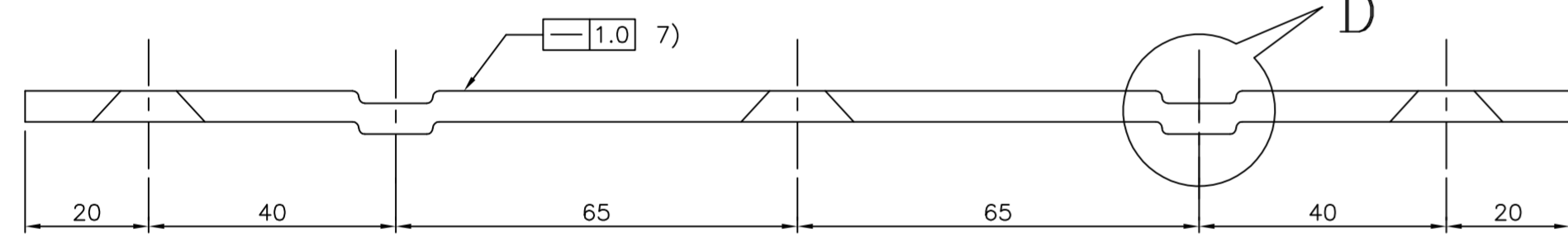
**SECTION A-A**  
SCALE 1:1



**0222A/B - CATHODE BUSBAR**  
SCALE 1:10

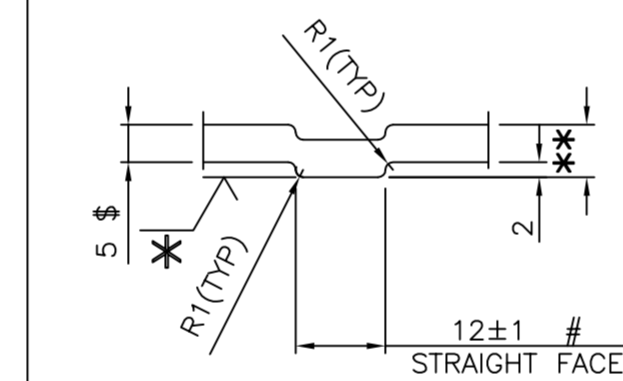
QUANTITY/ELECTROLYSER : 0222A - 16 Nos.  
 QUANTITY/ELECTROLYSER : 0222B - 2 Nos.  
 WEIGHT : 0222A - 14.8 Kgs. #  
 0222B - 7.4 Kgs. #  
 (VENDOR TO CONFIRM IN QUOTATION)  
 NO. OF ELECTROLYSER : 6 No.  
 TOTAL QUANTITY FOR 0222A - 96 Nos.  
 TOTAL QUANTITY FOR 0222B - 12 Nos.

# WEIGHT TO BE CONFIRMED BY VENDOR  
 \$ THICKNESS INDICATED IS MINIMUM AFTER FORMING



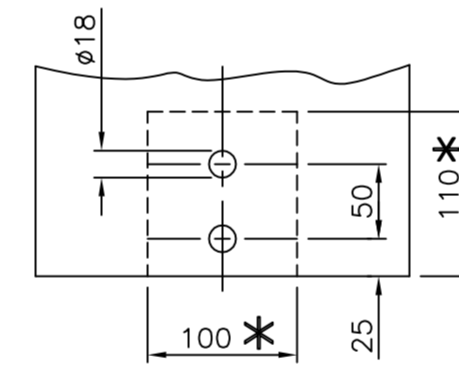
**SECTION B-B FOR PART NO. 0222A**  
SCALE 1:1

LOCATION OF HOLES FOR PART NOS. 0221A/B SHALL BE SAME AS PART NOS. 0222A/B RESPECTIVELY.

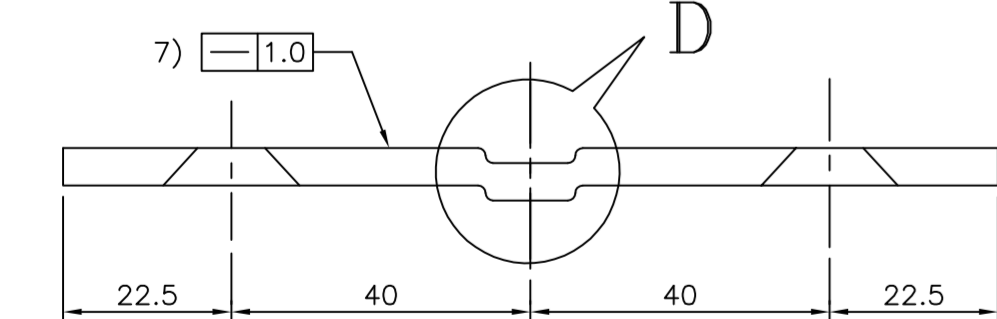


**DETAIL D**  
SCALE 1:1

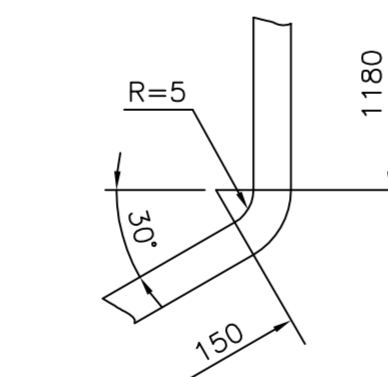
# THIS DIMENSION IS VERY CRITICAL & SAME SHALL BE MAINTAINED WITHIN THE GIVEN TOLERANCES BY THE VENDOR



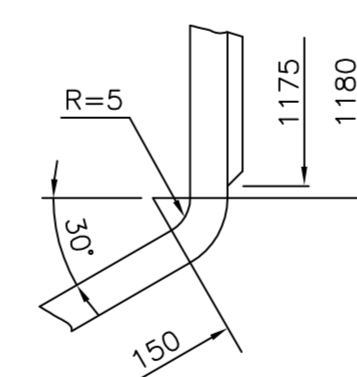
**VIEW Z**  
SCALE 1:5



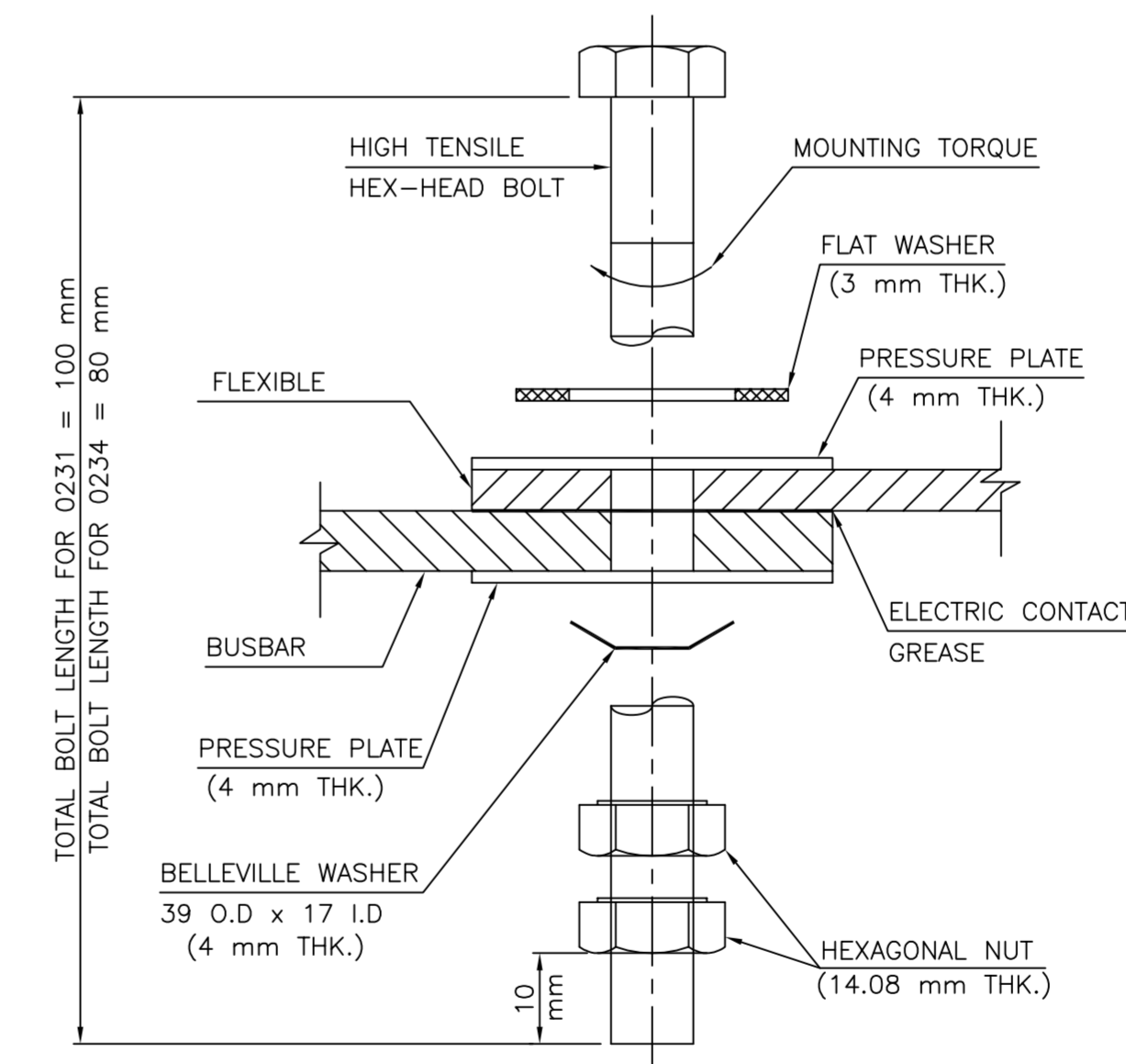
**SECTION C-C FOR 0222B**  
SCALE 1:1



**DETAIL X**  
SCALE 1:1



**DETAIL Y**  
SCALE 1:1



**TYPICAL FIXING ARRANGEMENT FOR BUSBAR/ FLEXIBLE WITH BOLT AND STUD**

**NOTES:-**

- ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.
- REQUIRED GROUND CONTACT AREAS. PLANENESS OF CONTACT AREAS = 0.1 mm.
- SEE ALSO THE TECHNICAL SPECIFICATION FOR COPPER BUSBARS (DOC. No. 0215-ELT-11-EC-0004).
- GENERAL TOLERANCES ACCORDING TO DIN ISO 2768 (PART-1), CLASS m, LATEST EDITION
- TOLERANCE ON DISTANCE BETWEEN ANY TWO HOLES = ±0.5 mm.
- HOLES TO BE DRILLED USING A TEMPLATE.
- EVENNESS TOLERANCE = 1 mm. (ON TOTAL BUSBAR SURFACE) MEASURED LYING ON A PLANE SURFACE.
- ALL CONTACT SURFACES ON ALL PARTS OF 0222A/B SHALL HAVE THE SAME DIMENSION FROM THE SUPPORTING SURFACE.
- THESE PARTS SHALL BE SUPPLIED BY CELL RACK MANUFACTURER.
- CU BUSBAR MATERIAL: Cu-ETP OR Cu-FRHC OR R250 AS PER BS EN 13599 (99.9% COPPER, TENSILE STRENGTH=250N/mm<sup>2</sup>)

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<input type="checkbox"/> 1 For Approval	<input type="checkbox"/> 1 Approved	<input type="checkbox"/> 3 For Information	<input type="checkbox"/> 3 Not Approved/Resubmit
<input type="checkbox"/> 2 For Review / Comments	<input type="checkbox"/> 2 Approved for Manufacturing/ Fabrication With Comments as Marked	<input type="checkbox"/> 4 For Engineering	<input type="checkbox"/> 4 Retained for Information/Records
<input type="checkbox"/> 3 For Information	<input type="checkbox"/> 5 Reviewed	<input checked="" type="checkbox"/> 5 For Enquiry	<input type="checkbox"/> 6 Reviewed as Noted/Resubmit
<input type="checkbox"/> 4 For Engineering	<input type="checkbox"/> 6 Released for Construction	<input type="checkbox"/> 6 For Order Placement	
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<input type="checkbox"/> 6 For Order Placement		<input type="checkbox"/> 8 Released for Construction	
<input type="checkbox"/> 7 Final & Approved			
<input type="checkbox"/> 8 Released for Construction			

Contract No. <b>66-0215-700</b>		Document ID <b>0215-EQS-11-TB-0009</b>		Part <b>000</b>	Rev. <b>00</b>
Store Location: Server/Share \\p660215-Ada		BAR-Code			
Store Location: Folder \\660215-Ada\Acad\Loss\Org\Mechanical\Cell Rack					
Store Name 0221/0222.dwg					
Pro. Unit <b>11</b>	Con. Unit <b>-</b>	TON <b>11A01AN-FNZ01</b>	Group <b>-</b>	Order No. <b>-</b>	Type of Document <b>TB</b>
Scale <b>5</b>		Acc. Code <b>-</b>		Status <b>-</b>	

<b>pacl</b> PUNJAB ALKALIES & CHEMICAL LIMITED NAYA NANGAL	<b>thyssenkrupp</b>
PROJECT: 300 TPD CONVERSION PROJECT	
Date <b>30.10.2018</b>	Name <b>SRT</b>
Date <b>30.10.2018</b>	Name <b>ADV</b>
Date <b>05.11.2018</b>	Name <b>GBP</b>
Date <b>06.11.2018</b>	Name <b>GBP</b>
Description <b>0221A/B, 0222A/B DETAILS OF BUSBARS</b>	

REFERENCE DRG. NO. 0215-EQS-11-TB-0001 & 0002.

00	30.10.18	SRT	ADV	05.11.18	GBP	06.11.18	GBP	ISSUED FOR ENQUIRY
Rev.	Date	Name	Drawn/Prepared	Date	Name	Date	Name	Description

Scale <b>5</b>	Acc. Code <b>-</b>	Status <b>-</b>
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