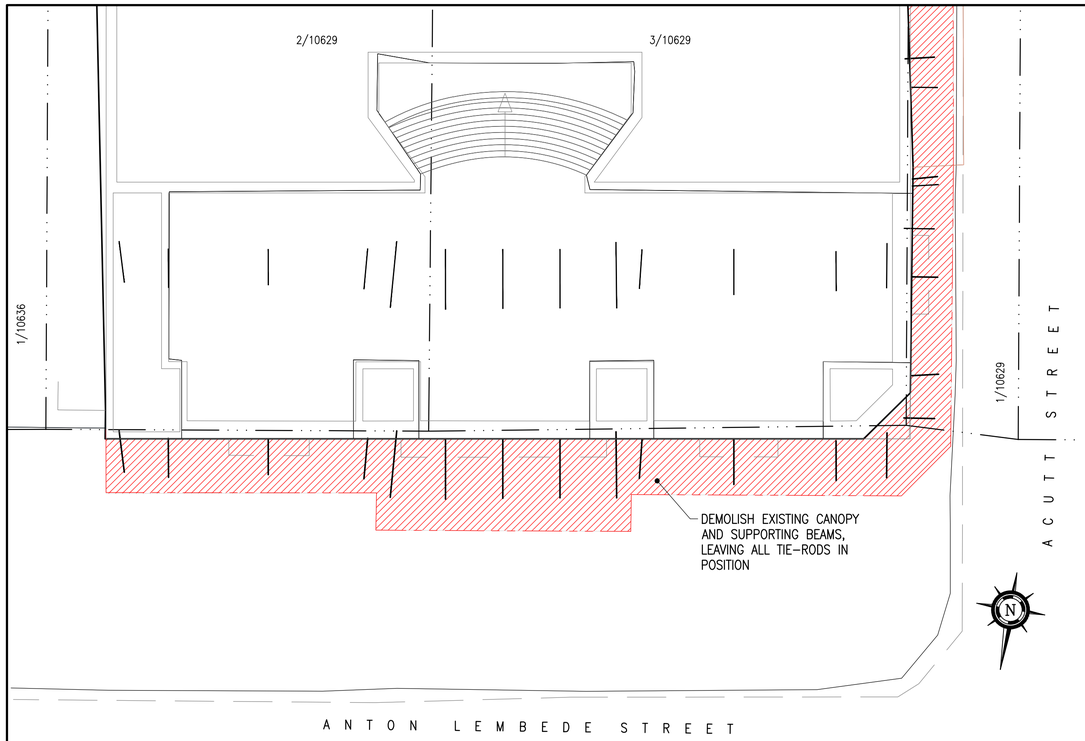
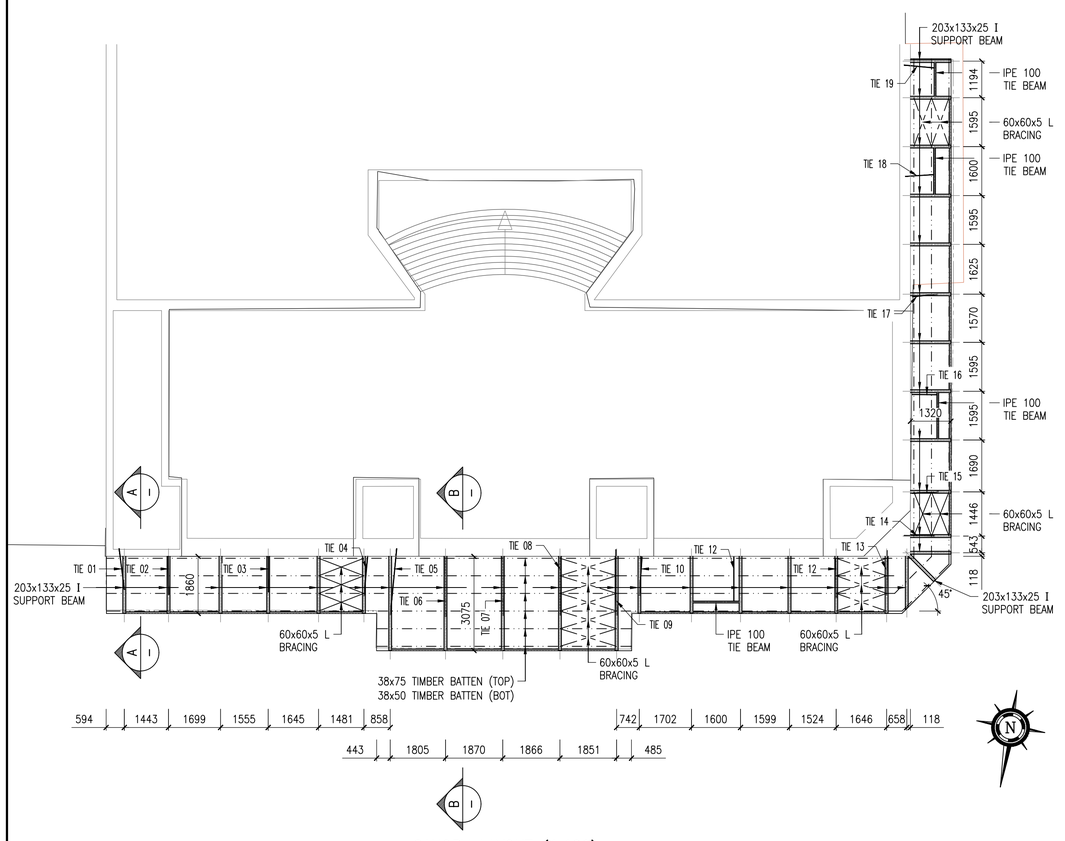
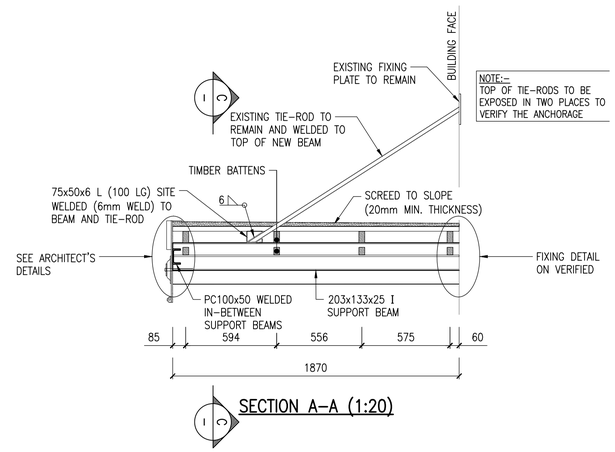


DEMOLITION LAYOUT (1:100)



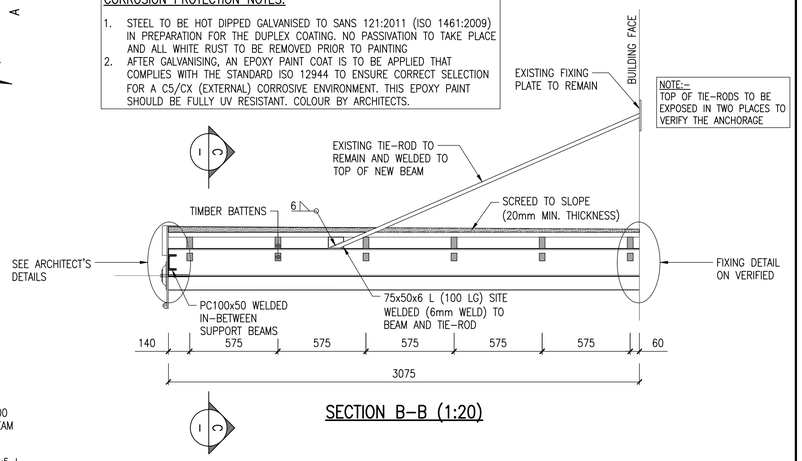
CANOPY LAYOUT (1:100)



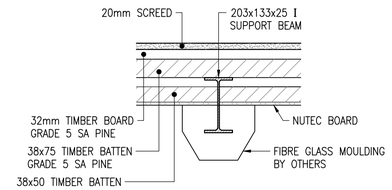
SECTION A-A (1:20)

CORROSION PROTECTION NOTES:

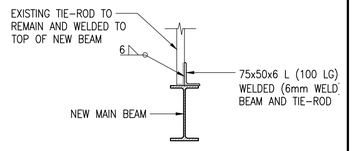
1. STEEL TO BE HOT DIPPED GALVANISED TO SANS 121:2011 (ISO 1461:2009) IN PREPARATION FOR THE DUPLEX COATING. NO PASSIVATION TO TAKE PLACE AND ALL WHITE RUST TO BE REMOVED PRIOR TO PAINTING
2. AFTER GALVANISING, AN EPOXY PAINT COAT IS TO BE APPLIED THAT COMPLIES WITH THE STANDARD ISO 12944 TO ENSURE CORRECT SELECTION FOR A C5/CX (EXTERNAL) CORROSIVE ENVIRONMENT. THIS EPOXY PAINT SHOULD BE FULLY UV RESISTANT. COLOUR BY ARCHITECTS.



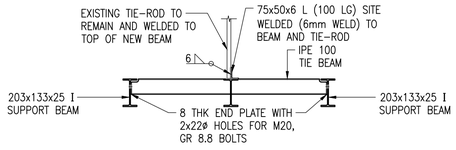
SECTION B-B (1:20)



SECTION C-C (1:10)



TYPICAL MAIN BEAM AND TIE-ROD CONNECTION (1:10)



TIE BEAM CONNECTION DETAIL (1:20)

STEEL NOTES:-

1. SHOP DETAILING, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SANS 10162-1984 AND 2001-CS1.
   ALL SHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR COMMENT PRIOR TO MANUFACTURING. SHOP DRAWINGS WILL BE CHECKED FOR MEMBER TYPES AND DESIGN INTENT. DIMENSIONAL ACCURACY WILL NOT BE CHECKED AS THIS REMAINS THE CONTRACTORS RESPONSIBILITY.
2. ALTERNATIVE SECTIONS MAY BE ACCEPTED, TO SUIT THE AVAILABLE SUPPLIER, PROVIDED THERE IS NO LOSS OF STRENGTH OR STIFFNESS OR, WHERE RELEVANT, APPEARANCE. HOWEVER PRIOR CONCESSION MUST BE OBTAINED FROM THE ENGINEER.
3. ALL BOLTS TO BE GRADE 8.8 AND M16 MINIMUM SIZE. WHERE MAIN FRAME JOINTS ARE BOLTED, SHOP DETAILING OF MEMBERS SHALL MAKE PROVISION FOR SLIP AT SUCH JOINTS: TO PRESERVE INTENDED ALIGNMENT, BOLTED JOINTS SHALL BE DESIGNED TO TRANSMIT THE SHEAR FORCES AND MOMENTS INDICATED ON THE DRAWINGS.
4. ALL STEEL MATERIALS SHALL BE OF THE FOLLOWING GRADES
   HOT ROLLED SECTIONS & PLATES – S355JR
   HOLLOW SECTION – 300W
   COLD FORMED SECTION – COMMERCIAL QUALITY WITH MINIMUM YIELD STRESS OF 200MPA
5. WELDING SHALL BE DONE BY QUALIFIED WELDERS TO THE SATISFACTION OF THE ENGINEER. SITE WELDING SHALL NOT BE DONE WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
6. WELDED METAL SHALL BE FUSED WITH THE PARENT METAL ALONG SURFACES AND EDGES OF THE UNION. THE SURFACE OF WELDS SHALL BE CLEAN, SMOOTHLY FINISHED, WITHOUT POROSITY OR CRATERS, REGULAR AND OF UNIFORM CONTOUR.
7. ALL WELDS TO BE 6mm FULLY CONTINUOUS FILLET WELDS AND ALL WELDING TO BE IN ACCORDANCE WITH SABS 044.
8. ALL DIMENSIONS TO BE VERIFIED ON SITE PRIOR TO FABRICATION.
9. ALL GUSSETS TO BE 6mm THICK UNLESS OTHERWISE SHOWN.
10. ALL NEUTRAL AXES SHOULD CROSS AT ONE POINT AT EACH NODE POINT.
11. ALL SURFACES WILL BE SUPPORTED FROM TRUSS NODE POINTS AND RAFTERS. ALL OTHER SUPPORT POINTS TO BE APPROVED BY ENGINEER.
12. ALL STEELWORK TO BE USED WITHIN 50km OF THE COAST IS TO BE HOT DIPPED GALVANISED TO SANS.
    - UNDER NO CIRCUMSTANCES MAY WELDING OR CUTTING BE PERFORMED AFTER HOT DIPPED GALVANISING.
    - STEEL TO BE CLEANED IN ACCORDANCE WITH SANS 10064.
    - ALL METAL SURFACE DEFECTS TO BE REMOVED BY GRINDING.
    - ALL SHARP EDGES TO BE ROUNDED OFF BEFORE CLEANING.
    - AFTER FABRICATION BUT BEFORE ERECTION, ALL SURFACES ARE TO BE WIRE BRUSHED TO GRADE ST.2 OF SWEDISH SPECIFICATION SIS 05 59 00-1967.
    - STEELWORK SO PREPARED IS NOT TO BE TOUCHED BY BARE HANDS. LINEN GLOVES ARE TO BE WORN.
    - BEFORE PRIMING THE SURFACE SHALL BE VACUUM CLEANED OR DRY BRUSHED TO REMOVE ALL DUST AND DEBRIS.

SITE WELDING NOTES:-

1. WELDING SHALL BE DONE BY QUALIFIED WELDERS IN ACCORDANCE WITH THE REQUIREMENTS OF SANS 2001:CS1 TO THE SATISFACTION OF THE ENGINEER.
2. WELDED METAL SHALL BE FUSED WITH THE PARENT METAL ALONG SURFACES AND EDGES OF THE UNION. THE SURFACE OF WELDS SHALL BE CLEAN, SMOOTHLY FINISHED, WITHOUT POROSITY OR CRATERS, REGULAR AND OF UNIFORM CONTOUR.
3. ALL WELDS TO BE 6MM FULLY CONTINUOUS FILLET WELDS AND ALL WELDING TO BE IN ACCORDANCE WITH SANS 44, SANS 10162 & SANS 2001:CS1. ALL TO BE BUTT WELD TO DEVELOP THE FULL STRENGTH OF THE SECTIONS BEING JOINED.
4. THE END OF ALL CIRCULAR AND RECTANGULAR HOLLOW SECTIONS TO BE COMPLETELY MOISTURE SEALED USING SUITABLE END AND CONTINUOUS WELDING.
5. STEEL IS TO BE THOROUGHLY CLEANED AND TREATED WITH PAINT ACCORDING TO MANUFACTURERS SPECIFICATION

TIMBER NOTES:-

1. ALL TIMBER ITEMS TO BE CCA TREATED AS PER SANS 673 AND SANS 10005.

REFERENCE DRAWINGS:

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NOTES:-

1. ALL INFORMATION / DIMENSIONS MUST BE CONFIRMED PRIOR TO ANY FABRICATION OR CONSTRUCTION.
2. CONNECTION DESIGN TO BE VERIFIED ONCE DEMOLITION HAS OCCURRED.

REV	DESCRIPTION	DR.	CHKD	APP.	DATE
D	TIMBER NOTE ADDED	LS	A.B.	CAM	05-03-2024
C	ISSUED FOR PRICING	LS	A.B.	CAM	21-02-2024
B	ISSUED FOR APPROVAL	LS	A.B.	CAM	21-02-2024
A	PRELIMINARY DRAWING	LS	A.B.	CAM	.

	INITIALS	SIGN	DATE
DESIGNED	A.B.		21-02-2024
DRAWN	L.S.		21-02-2024
CHECKED	A.B.		21-02-2024
PROJECT ENG.	C.A.M.		21-02-2024
APPROVED	C.A.M.		21-02-2024

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CLIENT
THE PLAYHOUSE COMPANY DURBAN

PROJECT
PROPOSED DEMOLITION & REINSTATEMENT OF CANOPY

TITLE
LAYOUT, ELEVATION AND DETAILS

SCALE : AS SHOWN | A1

DRAWING No. 20846-ST01 | REV D