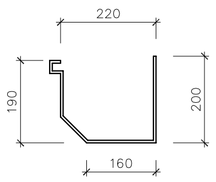
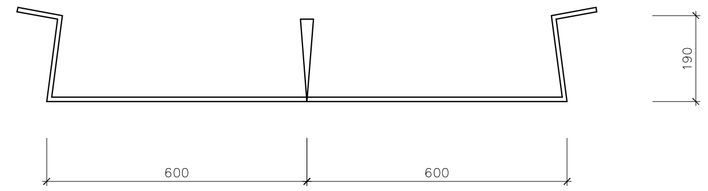


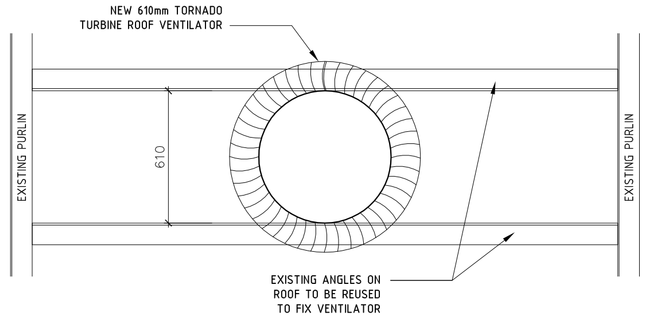
BOX GUTTER DETAIL

SCALE 1:10



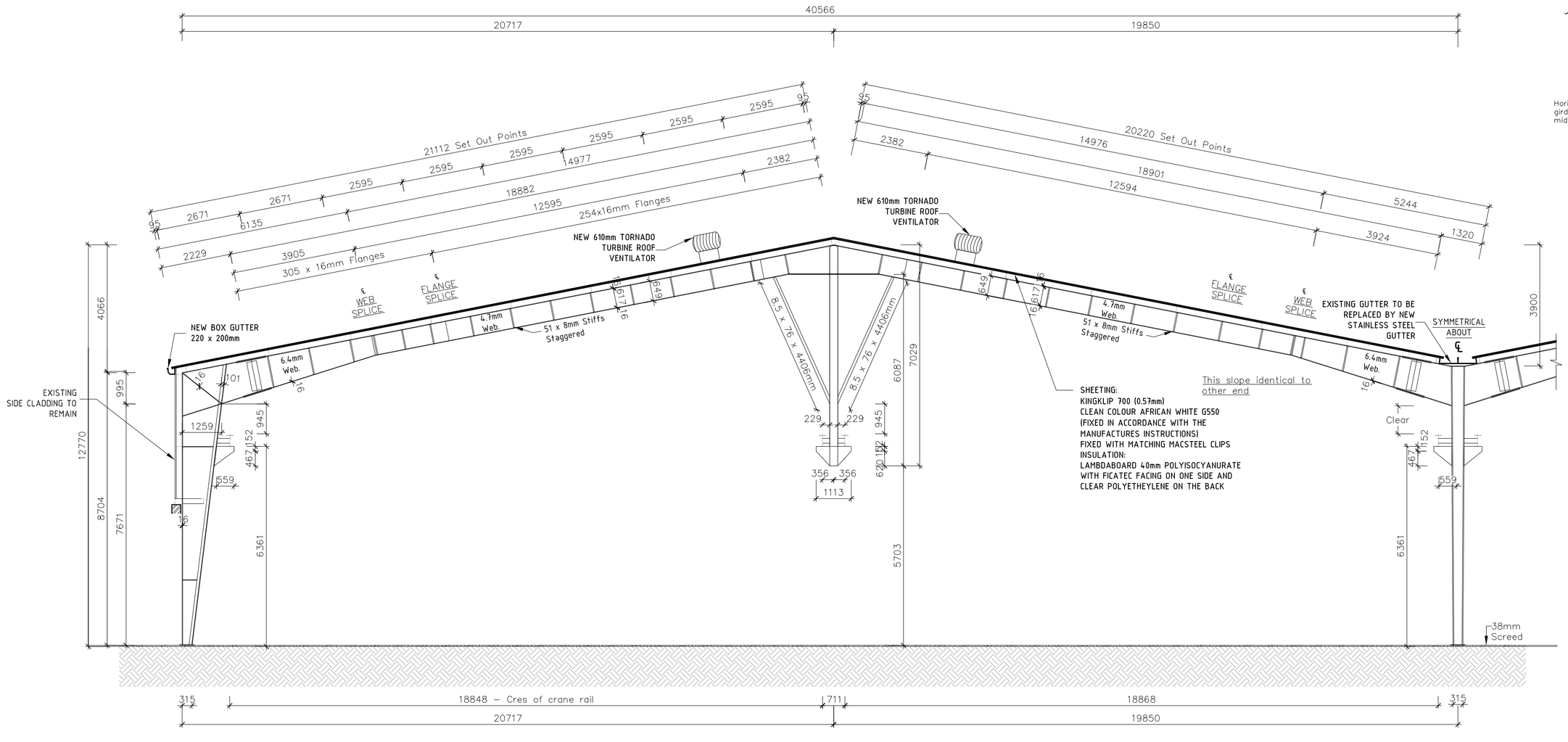
STAINLESS STEEL GUTTER DETAIL

SCALE 1:10



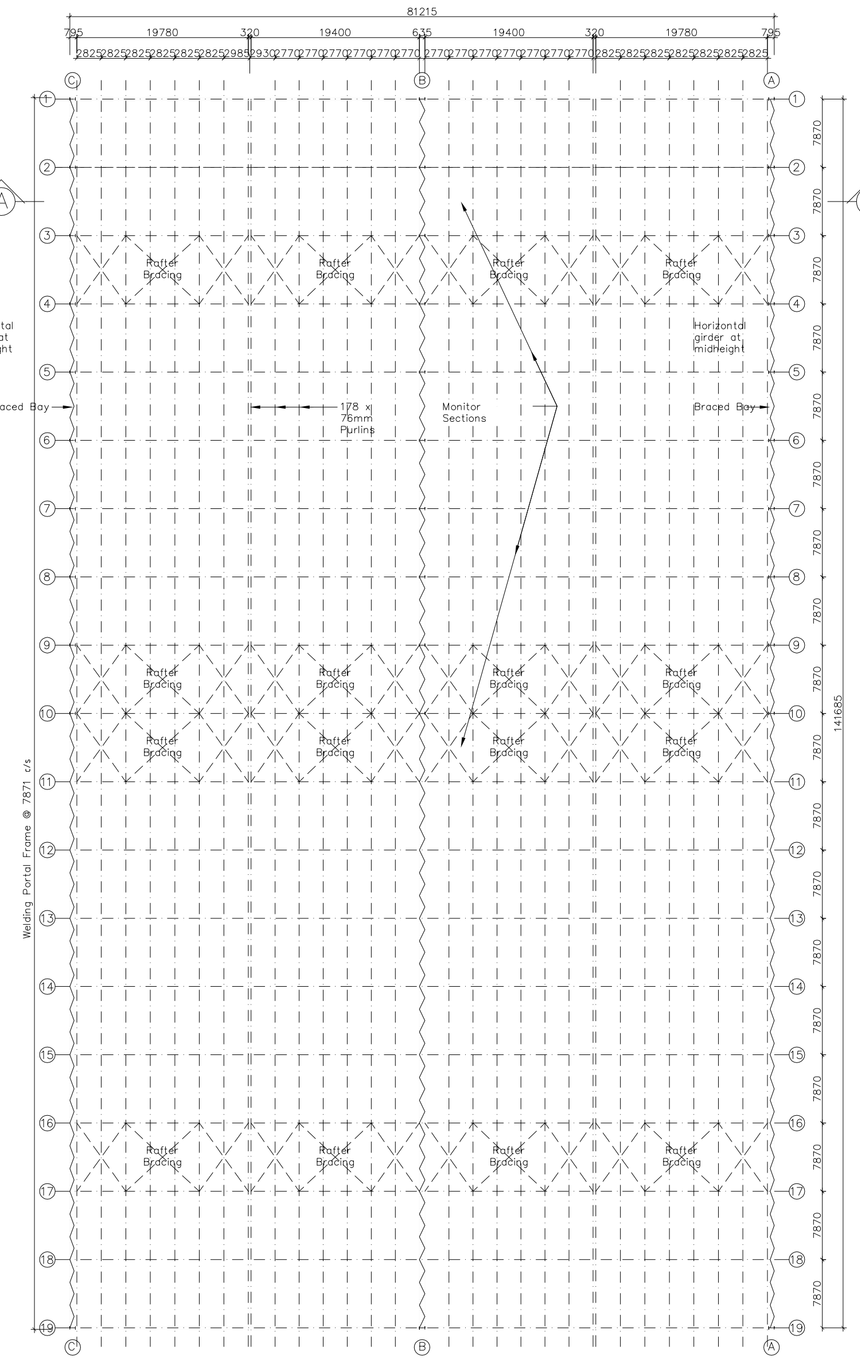
NEW TURBINE ROOF VENTILATOR DETAIL

SCALE 1:20



TYPICAL SECTION A-A

SCALE 1:100



KEY PLAN

SCALE 1:500

GENERAL NOTES:

1. THESE DRAWINGS SHOULD BE READ WITH THE ARCHITECT'S DRAWINGS AND SPECIFICATIONS
2. ALL DETAILS AND DIMENSIONS SHOWN ON THIS DRAWING ARE SUBJECT TO CONFIRMATION ON SITE, AND DURING CONSTRUCTION
3. THIS DRAWING IS NOT TO BE SCALED.
4. ALL CONSTRUCTION, WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF "THE APPLICATION OF THE NATIONAL BUILDING REGULATIONS" (SABS 0400-1990) AND THE BUILDING STANDARDS ACT (ACT 103).
5. ALL DETAILS AND DIMENSIONS PERTAINING TO EXISTING STRUCTURES ARE TO BE CONFIRMED ON SITE BY THE CONTRACTOR.
6. THE CONTRACTOR NEEDS TO CONFIRM ALL RELEVANT LEVELS AND DIMENSIONS. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE THE WORK COMMENCES.
7. THE CONTRACTOR TO CONFIRM WITH THE ENGINEER THAT ALL THE REINFORCING IS COMPLETED BEFORE THE ENGINEER WILL LEAVE THE OFFICE FOR AN INSPECTION, IF IN THE ENGINEERS OPINION THE WORK WAS NOT READY FOR INSPECTION AND ADDITIONAL INSPECTIONS ARE REQUIRED BY THE ENGINEER THE CONTRACTOR WILL BE LIABLE FOR R500,00 PER SITE VISIT IN FAVOR OF THE CLIENT
8. DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH SABS 0100, 0160, 0161, 0162, 0163 AND 0164, AS APPLICABLE
9. THE WORKS WILL BE INSPECTED FROM TIME TO TIME BY THE CONSULTING ENGINEER TO ASCERTAIN THAT THE CONTRACTOR IS CARRYING OUT THE WORK IN GENERAL CONFORMITY WITH THE ENGINEERING DRAWINGS AND DOCUMENTS. SUCH INSPECTIONS ARE NOT CARRIED OUT FOR THE CONTRACTOR'S BENEFIT AND DO NOT RELIEVE HIM OF THE RESPONSIBILITY FOR THE PROPER CONSTRUCTION OF THE WORKS IN ACCORDANCE WITH THE ENGINEERING DRAWINGS, DOCUMENTS AND GOOD BUILDING PRACTICE.
10. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SAFE BEARING PRESSURE OF 150 KPA. FLOORS ARE DESIGNED FOR A MAXIMUM CHARACTERISTIC
11. IMPOSED LOAD (LIVE LOAD) OF 1,5 KPA, PLUS AN ALLOWANCE FOR MOVABLE PARTITIONS OF 1,0 KPA

STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL STEELWORK, MATERIALS, MANUFACTURING AND ERECTION TO COMPLY WITH SABS 1200 PART-H, AND IN ACCORDANCE WITH THE STANDARDIZED SPECIFICATIONS FOR CIVIL ENGINEERING CONSTRUCTION STRUCTURAL STEELWORK (SANS 2001:CS1).
2. ALL DIMENSIONS NEEDS TO BE VERIFIED ON SITE PRIOR TO MANUFACTURING OR INSTALLATION FOR ACCURACY.
3. ALL WORKSHOP DRAWINGS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
4. FOUNDATIONS ARE TO BE FOUNDED ON NATURAL GROUND WITH SAFE BEARING CAPACITY OF AT LEAST 150 KPA, FOUNDATION FOUNDING DEPTHS TO BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO CASTING OF ANY CONCRETE.
5. ALL STEEL TO BE GRADE 350 W TO SABS 1431, PAINTED WITH 1 COAT ZINC PHOSPHATE PRIMER TO BE DELIVERED TO SITE ACCORDING TO SABS 1200 PART HC, FINAL COATS OF PAINT: 2 COATS OF ENAMEL PAINT, COLOUR TO ARCHITECT'S SPECIFICATION.
6. ALL BOLTS GRADE 4.8 MINIMUM OR AS MAY BE SPECIFIED ON THE DRAWING. ALL BOLTS TO BE FITTED WITH SUITABLE WASHERS.
7. ALL WELDS TO COMPLY WITH SABS 044.
8. ELECTRODES USED TO COMPLY WITH SABS 4556:
   70 XX ELECTRODES TO BE USED FOR GROOVE WELDS
   80 XX ELECTRODES TO BE USED FOR FILLET WELDS.

NO.	DATE	AMENDMENT

Client

CSIR — our future through science

Consultant

csm

P.O.Box 962
STRAND, 7139

Ou Paardevlei Rd,
The Interchange,
Somerset West, 7130

Tel: +27(0) 21 852-6363
Fax: +27(0) 086 567 0203

structsw@csmeng.co.za
www.csmeng.co.za

Discipline: STRUCTURAL

Project:

HYDRO-MECHANIC LABORATORY

signed by

Client:

Engineer:
M. Klirsten — Reg. no: 20070213

drawing title

ALTERATIONS & ADDITIONS TO MODEL HALL ROOF STRUCTURE

date: NOVEMBER 2011	designed: BB
stage: TENDER	drawn: RS
scale: AS SHOWN	checked: MK
size: A1	revision: -

dwg no.: 01117SES/T/01/REV-00