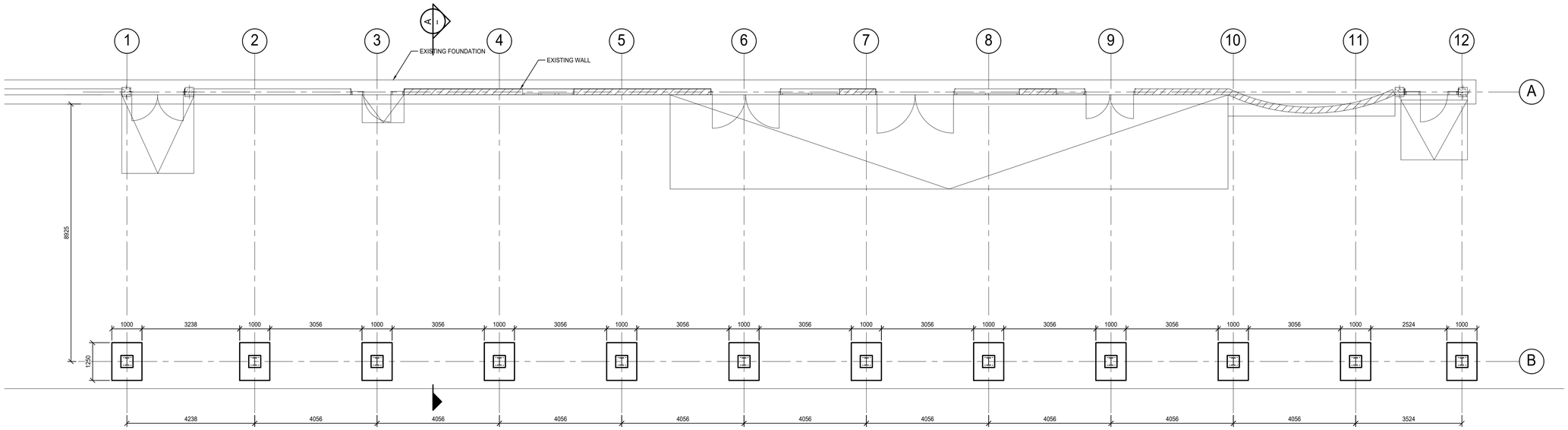
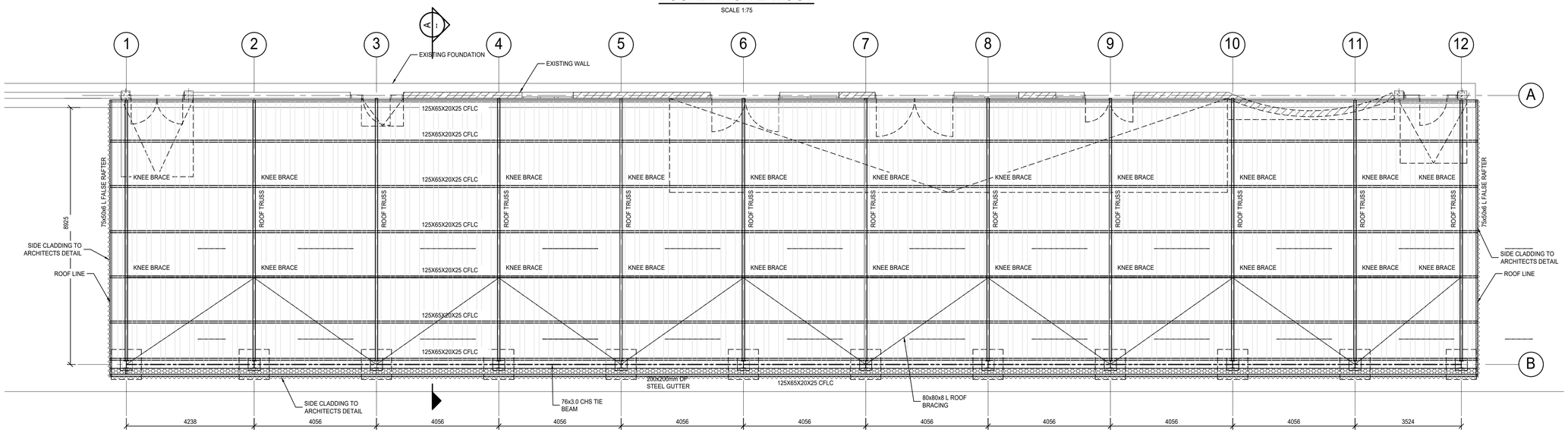


FOUNDATION LAYOUT

SCALE 1:75



ROOF LAYOUT

SCALE 1:75

STRUCTURAL STEEL NOTES:

A. DESIGN:

1. MEMBERS ARE DESIGNED TO THE REQUIREMENTS OF SANS 10400 (LATEST EDITION), AND ALL REFERENCED DESIGN CODES.
2. HOT ROLLED STEELWORK TO BE GRADE 350W TO SANS 1431 U.O.S.
3. ALL TUBULAR STEELWORK TO BE GRADE 350W.
4. COLD FORMED STEELWORK TO BE COMMERCIAL GRADE WITH A MINIMUM YIELD STRESS OF 200 MPa U.O.S.
5. BOLTS, NUTS AND WASHERS TO BE GRADE 8.8 U.O.S.
   (I) FRICTION GRIP BOLTS TO BE GRADE 8.8S WHERE SPECIFIED.
   (II) FRICTION TO BE OBTAINED BY TURNING OF THE NUT.
   (III) FRICTION GRIP SURFACES TO BE PRE-PAINTED WITH INORGANIC ZINC ONLY.
6. WELDS TO BE CONTINUOUS FILLET WELDS (U.O.S.) WITH A THROAT THICKNESS NOT EXCEEDING 0.7 TIMES THE THINNER MATERIAL THICKNESS WELDED TO.

B. FABRICATION & ERECTION:

1. STEEL FABRICATION AND ERECTION TO COMPLY WITH SANS 1200H, AND MAY NOT COMMENCE BEFORE SHOP DRAWINGS HAVE BEEN APPROVED BY THE ENGINEER.
2. CONNECTION DETAILS TO BE APPROVED BY THE ENGINEER BEFORE SHOP DRAWINGS ARE SUBMITTED FOR APPROVAL.
3. MINIMUM EDGE DISTANCE TO BOLTS TO BE 1.75 TIMES BOLT DIAMETER, U.O.S.
4. MINIMUM BOLT SPACING TO BE 2.5 TIMES BOLT DIAMETER, U.O.S.
5. CONTRACTOR TO ENSURE THE STABILITY AND SAFE ERECTION OF THE STRUCTURE, AND TO PROVIDE ALL NECESSARY BRACING TO ENABLE HIM TO DO SO. SUCH BRACING TO BE INDICATED ON THE ERECTION GENERAL ARRANGEMENT DRAWINGS.
6. NO SITE CUTTING OR WELDING WILL BE ALLOWED UNLESS PRE-ARRANGED WITH THE ENGINEER.

C. GENERAL:

1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH THE MECHANICAL'S DRAWINGS, AND ANY DISCREPANCIES TO BE RESOLVED BEFORE CONSTRUCTION COMMENCES.
2. THE ENGINEER WILL NOT BE HELD RESPONSIBLE FOR ANY WORK THAT DEVIATES FROM THE ENGINEER'S, OR APPROVED SHOP DRAWINGS.
3. PURLINS TO SPAN ACROSS TWO SPANS CONTINUOUSLY MINIMUM, AND ALL PURLIN SPLICES TO BE STAGGERED.

D. CORROSION PROTECTION:

1. CORROSION PROTECTION SHALL CONSIST OF:
   1.1. ALL STRUCTURAL STEEL MUST BE THOROUGHLY CHIPPED AND SCRAPED FREE OF MILL SCALE. REMOVE OIL, GREASE & CONTAMINANTS USING PLASCON AQUASOLV DEGREASER OR SIMILAR APPROVED FOLLOWED BY FRESH WATER RINSES.
   1.2. PREPARE STEEL BY SCRAPING, GRINDING AND WIRE BRUSHING TO GRADE ST 3 OF SWEDISH STANDARD SIS 05 59 00.
   1.3. APPLY ONE FULL PRIMER COAT INORGANIC ZINC ETHYL SILICATE TO A DRY FILM THICKNESS OF A MINIMUM OF 60 MICRONS IN ACCORDANCE WITH SANS 0681.
   1.4. 1.4. APPLY ONE FULL INTERMEDIATE COAT OF MODIFIED PURE ACRYLIC TO A DRY FILM THICKNESS OF MAXIMUM 60 MICRONS IN ACCORDANCE WITH SANS 0681.
   1.5. APPLY ONE FULL FINAL COAT MODIFIED PURE ACRYLIC ENAMEL TO A DRY FILM THICKNESS OF 40 MICRONS TO CLIENT COLOUR SPECIFICATIONS
   1.6. DAMAGED AREAS OF PAINT SHALL BE MADE GOOD ON SITE IN ACCORDANCE WITH SANS 0120.
   1.7. ALL EXISTING STEEL TO BE CLEANED THOROUGHLY AND TO RECEIVE ONE FULL FINAL COAT MODIFIED PURE ACRYLIC ENAMEL TO A DRY FILM THICKNESS OF 40 MICRONS TO CLIENT COLOUR SPECIFICATIONS

GENERAL NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS' DRAWINGS AND ENGINEER'S DRAWINGS.
2. DIMENSIONS MUST NOT BE SCALED OR ASSUMED. AFTER NOTIFICATION, DISCREPANCIES OR MISSING DIMENSIONS WILL BE CORRECTED IN WRITING BY THE ENGINEER.
4. SUPPLY COMPACTION RESULTS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK IS CARRIED OUT.
4. UNLESS OTHERWISE NOTED, FINISH TO CONCRETE TO BE AS FOLLOWS:
   – STEEL TROWEL FOR VINYL FLOOR FINISH
   – WOOD FLOAT FOR CERAMIC FLOOR FINISH
5. CONCRETE STRENGTH:
   FOUNDATIONS = 25MPa
   RC WALLS = 25MPa
6. COVER TO REINFORCEMENT:
   FOUNDATIONS & RC WALLS – 50mm BOTTOM
   – 50mm SIDES
   – 40mm TOP
7. DIMENSIONS AND LEVELS TO BE VERIFIED BY CONTRACTOR ON SITE. ANY DEVIATION OF DETAILS FROM DETAILS SHOWN HERE, TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
8. UNLESS OTHERWISE NOTED IN THE PROJECT TECHNICAL SPECIFICATION, ALL CONSTRUCTION DETAILS TO COMPLY WITH S.A.N.S. 1200 SERIES OF SPECIFICATIONS.
9. BRICKWALLS TO HAVE SABS APPROVED BRICKFORCE AT EVERY 4th COURSE AND AT EVERY LAYER ABOVE DOORS AND WINDOWS. CLASS 1 MORTAR
10. MASONRY UNITS TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 10.5 Mpa.
11. 50mm BLINDING TO BE 10Mpa AND CAST BELOW FOUNDATION
12. ENGINEER TO INSPECT THE REINFORCEMENT PRIOR TO CASTING OF CONCRETE.

REV:	DESCRIPTION:	BY:	DATE:
A	FOR APPROVAL	K.M	22-02-24

STATUS: FOR APPROVAL

Consultant:
Edem Consulting Engineers
Shop A2: Northview Shopping Centre
cnr Malibongwe Drive & Olievenhout Avenue
North Riding, Randburg

CLIENT:
ROODEPOORT THEATRE

Client Approved: _____ name: _____ Date: _____

Design Approved: _____ PR No. _____ Date: _____

Project: CANOPY STRUCTURE

TITLE: CANOPY STRUCTURE

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	16-02-2024	S. DUBE	K. MUDZAMIRI

PROJECT NO:	DRAWING NO:	REVISION:
....	STR-201-01	A