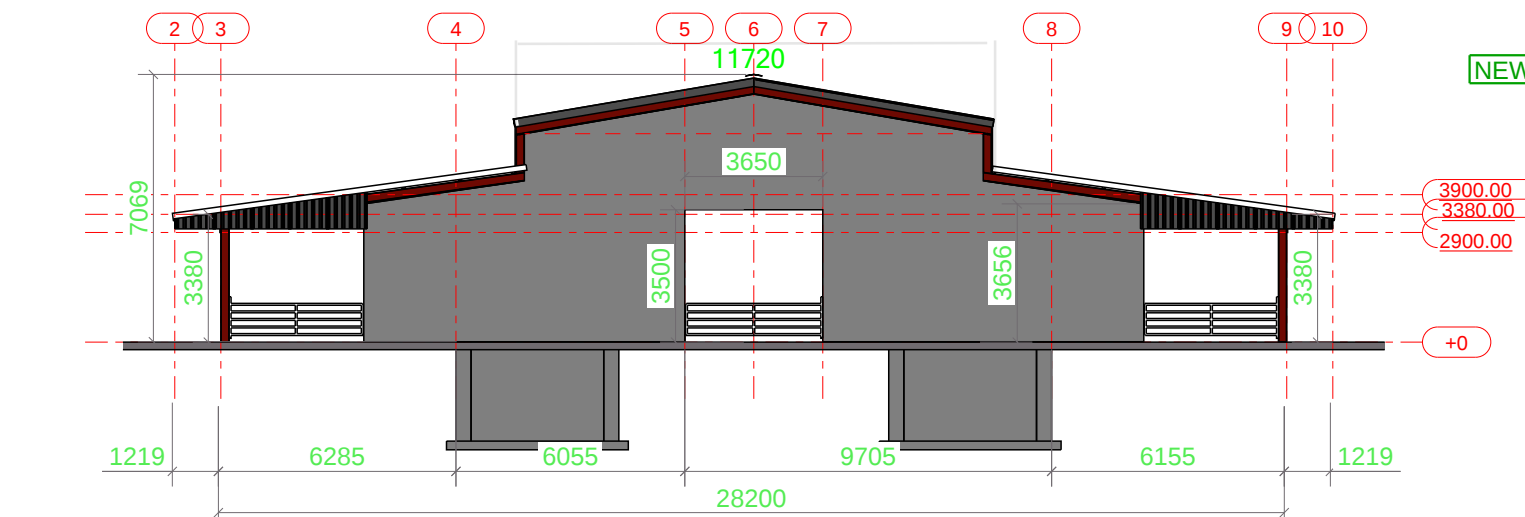
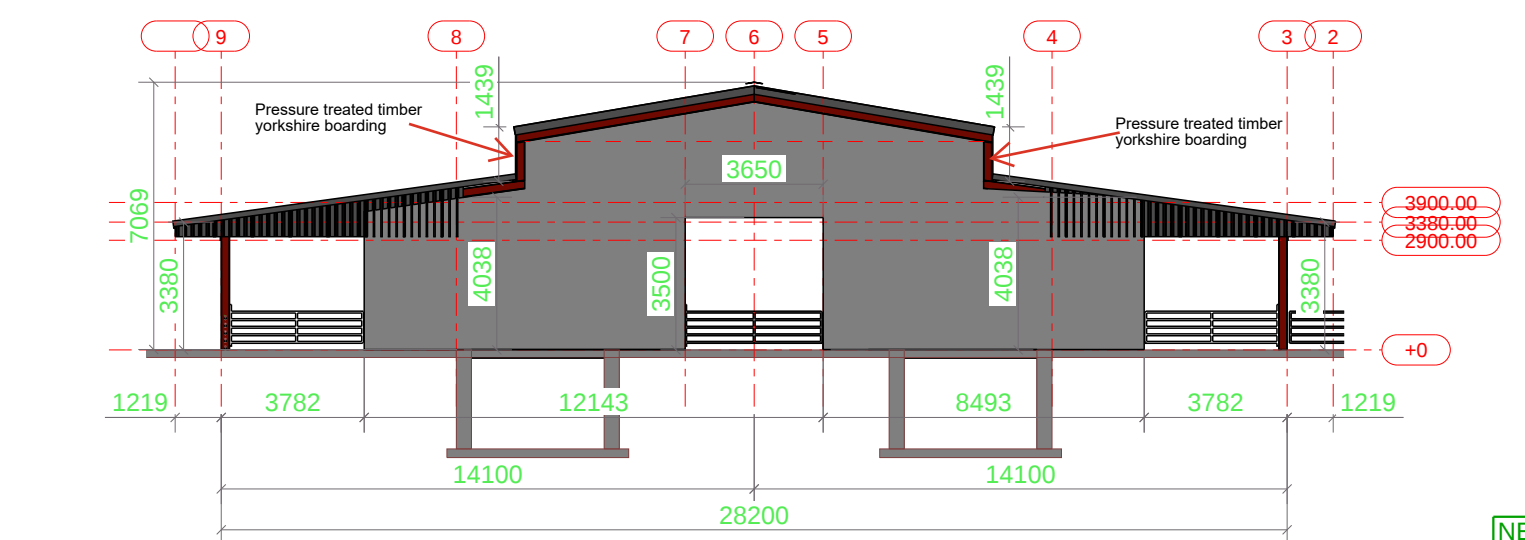




NATURAL LIGHTING
THE MINIMUM NUMBER OF TRANSLUCENT SHEETS PER 4.8M RUN OF SHED ON THE ROOF SLOPE IS 3 UP TO 8.9M SHED SPAN (SEE TABLE 16, S101, S14). A SAFETY GRID IS TO BE INSTALLED UNDER EVERY TRANSLUCENT SHEET AS SET OUT IN CLAUSES B14.1 TO B14.5.
GRID TO BE PLACED UNDERNEATH CLEAR LIGHT AND ON TOP OF PURLINS.
BARS: 16MM DIAMETER RUNNING FULL LENGTH OF SHEET AT 150MM CENTRES.
HOT DIPPED GALVANISED BARS.
AT THE TOP PURLIN THE BAR IS TO BE 'L' SHAPED TO PREVENT SLIDING. EACH BAR RIGIDLY SECURED TO EACH PURLIN.

GRIDLINE A
1:200

ROOF SHEETING
- NON-D RIP CLADDING.
- ENTIRE ROOF TO ACHIEVE A NON-FRAGILITY RATING OF AT LEAST CLASS C.
- ROOF LIGHTS TO ACHIEVE A NON-FRAGILITY RATING OF AT LEAST CLASS B.



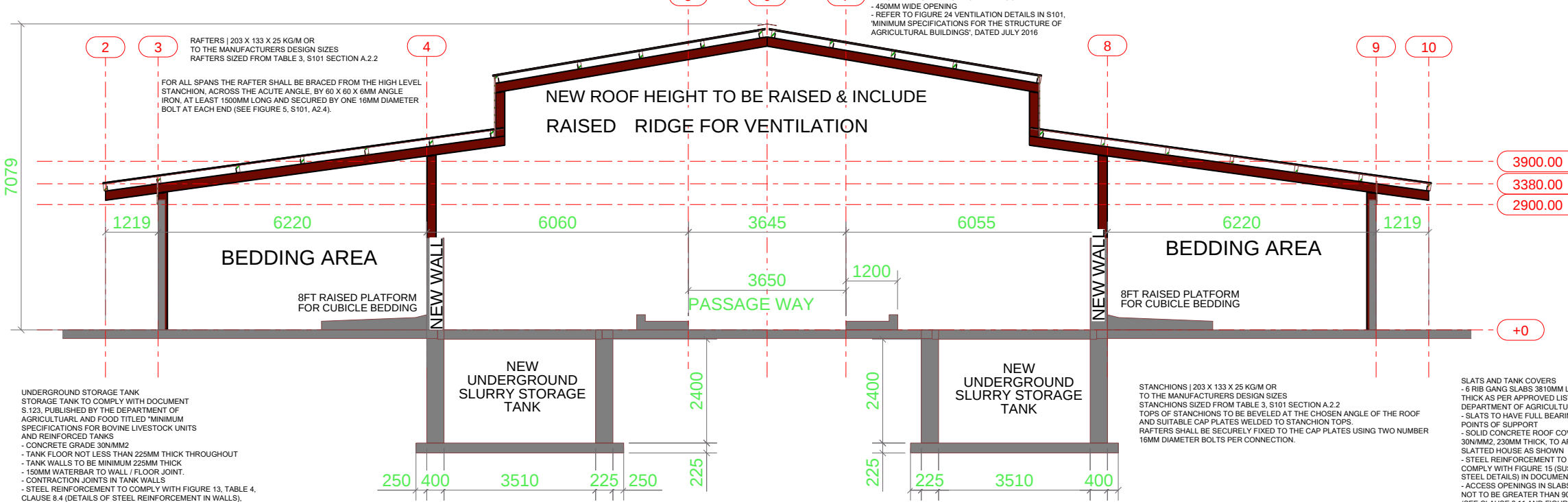
CONCRETE FLOOR & WALLS:
- CONCRETE GRADE 30N/MM2
- 125MM THICK FLOORS ON DAMP PROOF MEMBRANE ON 50MM THICK SAND BLINDING ON 225MM THICK (MINIMUM) HARDWARE BASE
- WALLS INFILL BETWEEN STEEL COLUMNS WITH A98 FABRIC MESH REINFORCEMENT

RAFTERS | 203 X 133 X 25 KG/M OR TO THE MANUFACTURERS DESIGN SIZES
RAFTERS SIZED FROM TABLE 3, S101 SECTION A.2.2

FOR ALL SPANS THE RAFTER SHALL BE BRACED FROM THE HIGH LEVEL STANCHION ACROSS THE ACUTE ANGLE, BY 60 X 80 X 8MM ANGLE IRON, AT LEAST 1500MM LONG AND SECURED BY ONE 16MM DIAMETER BOLT AT EACH END (SEE FIGURE 5, S101, A2.4).

GRIDLINE K
1:200

OUTLET VENTILATION
- PROVIDED FULL LENGTH OF NEW ROOF APEX
- 450MM WIDE OPENING
- REFER TO FIGURE 24 VENTILATION DETAILS IN S101.
- MINIMUM SPECIFICATIONS FOR THE STRUCTURE OF AGRICULTURAL BUILDINGS, DATED JULY 2016



UNDERGROUND STORAGE TANK
STORAGE TANK TO COMPLY WITH DOCUMENT S.123, PUBLISHED BY THE DEPARTMENT OF AGRICULTURE AND FOOD TITLED: MINIMUM SPECIFICATIONS FOR BOVINE LIVESTOCK UNITS AND REINFORCED TANKS
- CONCRETE GRADE 30N/MM2
- TANK FLOOR NOT LESS THAN 225MM THICK THROUGHOUT
- TANK WALLS TO BE MINIMUM 225MM THICK
- 150MM WATERBAR TO WALL / FLOOR JOINT.
- CONTRACTION JOINTS IN TANK WALLS
- STEEL REINFORCEMENT TO COMPLY WITH FIGURE 13, TABLE 4, CLAUSE 8.4 (DETAILS OF STEEL REINFORCEMENT IN WALLS), CLAUSE 8.5 (REINFORCING STEEL AT CORNERS, FIGURE 14)
- HARDWARE FILLING 250MM THICK TO UNDERSIDE OF FLOOR SLAB

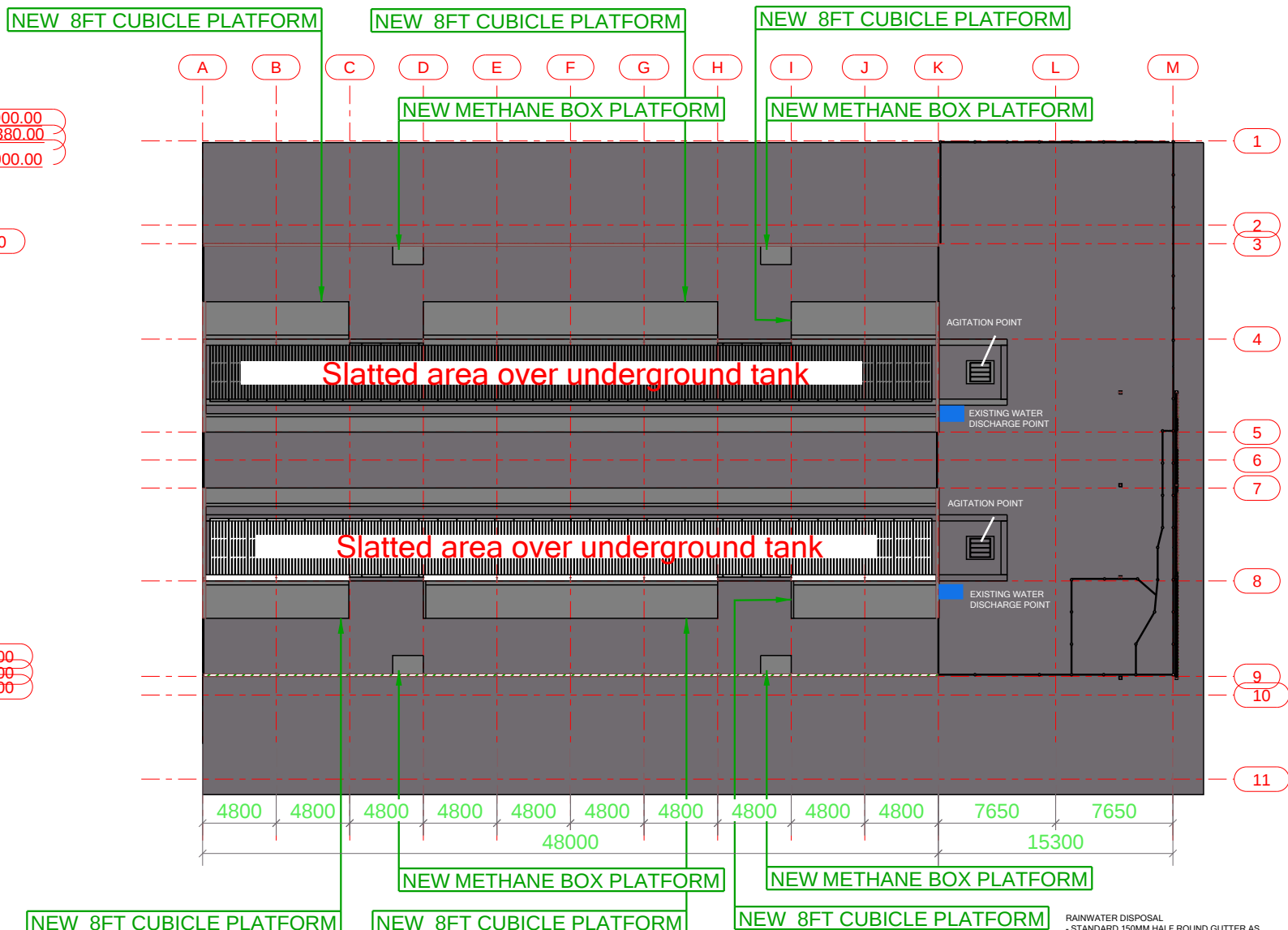
RAFTERS | 203 X 133 X 25 KG/M OR TO THE MANUFACTURERS DESIGN SIZES
RAFTERS SIZED FROM TABLE 3, S101 SECTION A.2.2

FOR ALL SPANS THE RAFTER SHALL BE BRACED FROM THE HIGH LEVEL STANCHION ACROSS THE ACUTE ANGLE, BY 60 X 80 X 8MM ANGLE IRON, AT LEAST 1500MM LONG AND SECURED BY ONE 16MM DIAMETER BOLT AT EACH END (SEE FIGURE 5, S101, A2.4).

NEW ROOF HEIGHT TO BE RAISED & INCLUDE RAISED RIDGE FOR VENTILATION

GRIDLINE A
1:120

STANCHIONS | 203 X 133 X 25 KG/M OR TO THE MANUFACTURERS DESIGN SIZES
STANCHIONS SIZED FROM TABLE 3, S101 SECTION A.2.2
TOPS OF STANCHIONS TO BE BEVELED AT THE CHOSEN ANGLE OF THE ROOF AND SUITABLE CAP PLATES WELDED TO STANCHION TOPS.
RAFTERS SHALL BE SECURELY FIXED TO THE CAP PLATES USING TWO NUMBER 16MM DIAMETER BOLTS PER CONNECTION.



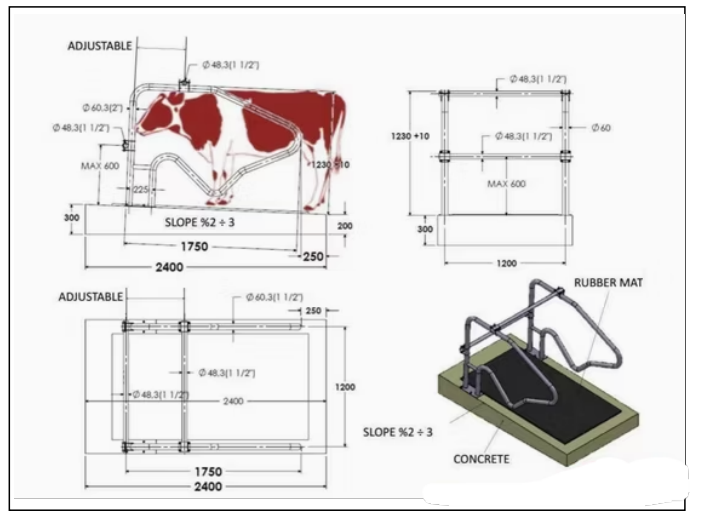
NEW 8FT CUBICLE PLATFORM
NEW 8FT CUBICLE PLATFORM
NEW 8FT CUBICLE PLATFORM
NEW METHANE BOX PLATFORM
NEW METHANE BOX PLATFORM
NEW METHANE BOX PLATFORM
NEW 8FT CUBICLE PLATFORM
NEW 8FT CUBICLE PLATFORM
NEW 8FT CUBICLE PLATFORM

Slatted area over underground tank
Slatted area over underground tank

AGITATION POINT
EXISTING WATER DISCHARGE POINT
AGITATION POINT
EXISTING WATER DISCHARGE POINT

RAINWATER DISPOSAL
- STANDARD 150MM HALF ROUND GUTTER AS PER CLAUSE B12 ROOF DRAINAGE
- 75/100MM DIAMETER DOWNPIPE TO DISCHARGE IN EXISTING GULLY TRAP AND CLEAN WATER DISPOSAL SYSTEM.

PLAN VIEW
1:400



PROPOSED INDIVIDUAL CUBICLE BEDDING - 8FT WIDE

SHED 3 - PROPOSED LAYOUT