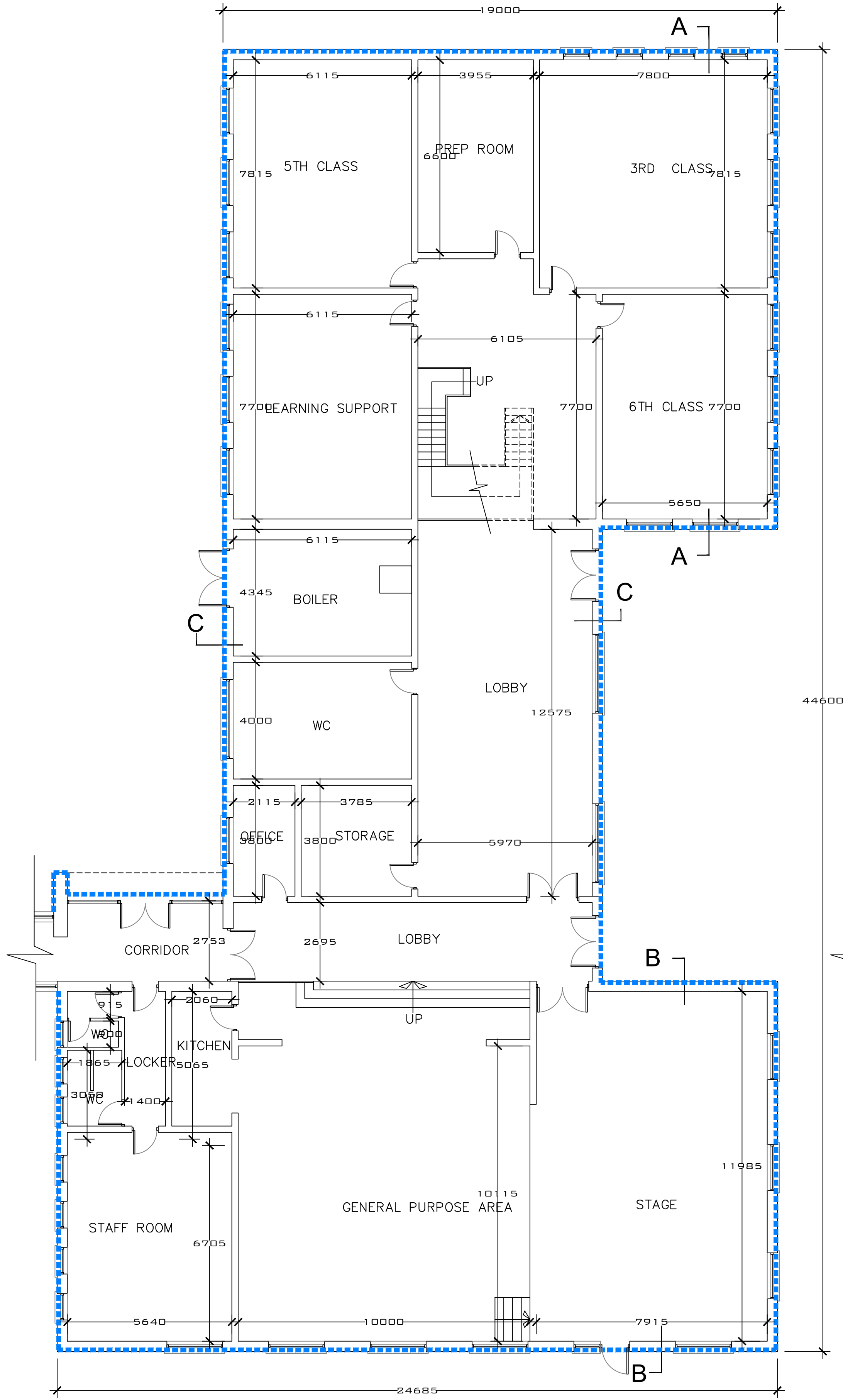


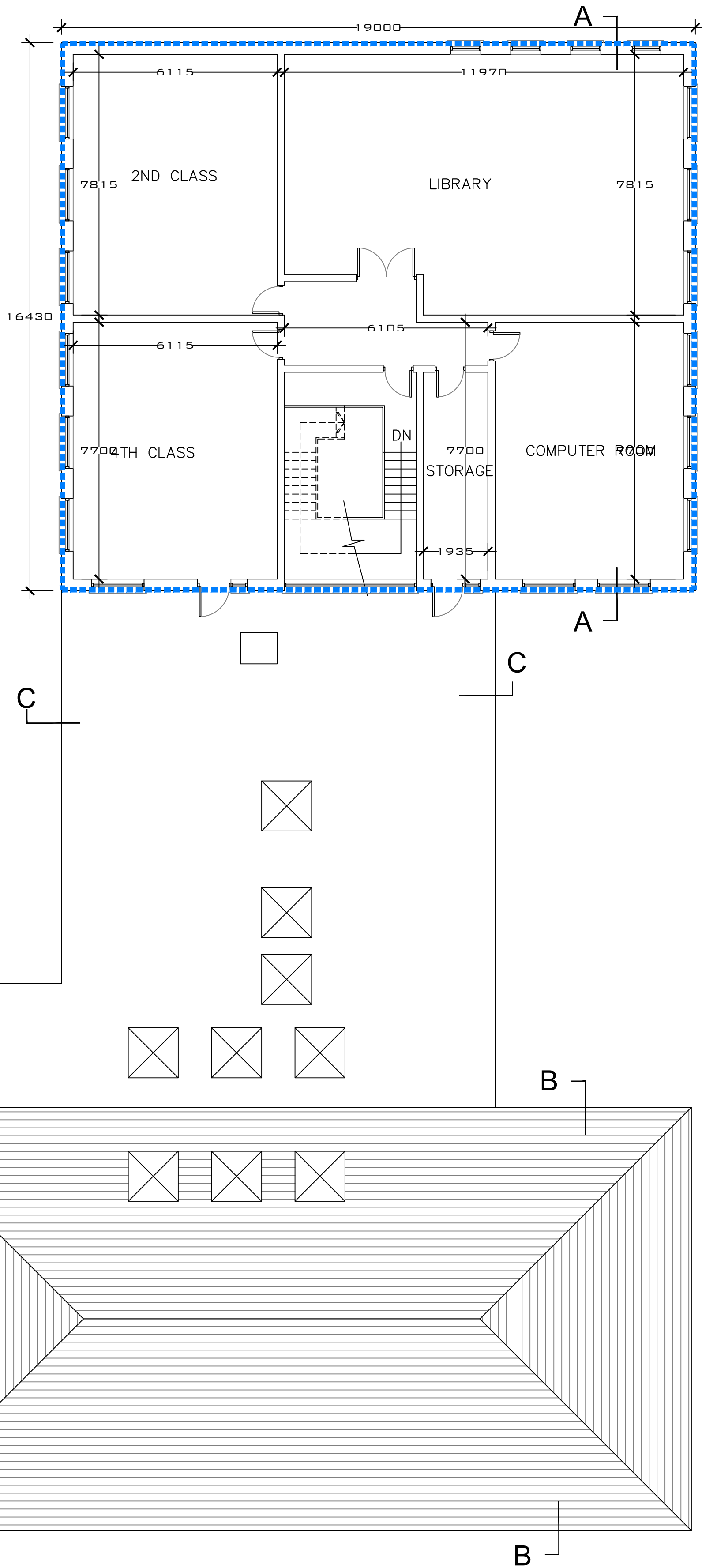


PROPOSED GROUND FLOOR PLAN

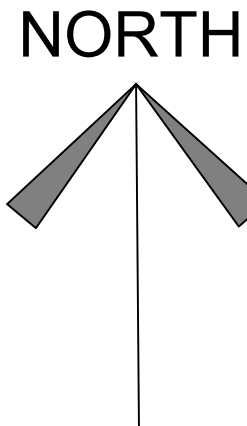
PROPOSED FIRST FLOOR PLAN

KEY:

 SIKA EXTERNAL RENDER SYSTEM OUTLINED
DASHED BLUE



NOTE:
WHERE TRADE NAMES ARE USED TO DESCRIBE THE QUALITY OF A PRODUCT THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE PRODUCT, WHICH MEETS THE SAME SPECIFICATION AND PROVIDES THE SAME WARRANTIES AS THAT SPECIFIED. THE ARCHITECTS AGREEMENT TO SAME MUST BE RECEIVED. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTS SPECIFICATION.
CONTRACTOR TO QUALITY TEST & INSPECT ALL WORK, AND TO BE AWARE OF FINISHED CONDITIONS AND ENSURE THAT ALL MEMBRANES, TAPES ETC. ARE CONCEALED AND DO NOT SHOW IN THE FINISHED WORKS.



EXTERNAL FACADE OF SCHOOL - CONCRETE BLOCK / BRICK - MEDIUM DENSITY CONCRETE BLOCK / BRICK

CONTRACTOR TO ALLOW WHERE DIFFERENT STRENGTH BLOCKS / BRICKS ARE BEING RENDERED OVER THE INCORPORATION OF THE PAREX TV10 REINFORCEMENT MESH WILL BE NECESSARY TO ASSIST WITH THE POSSIBILITIES OF DIFFERENTIAL MOVEMENT. THE MESH MUST EXTEND A MINIMUM OF 300MM OVER THE DIFFERENT MATERIALS IN ALL DIRECTIONS.

NEW SIKA PAREX PARMUREX + SILOXANE REINFOCED MASONRY SUBSTRATE ACRYLIC SYSTEM APPLICATION

BASECOATS:

- CONTRACTOR TO ALLOW FOR SPRAY APPLICATION OF PARMUREX TO THE 1ST BASECOAT AND LEVEL AND COMPACT TO 12MM & LEVEL THE SURFACE WITH A STRAIGHT EDGE, SPATULA OR TROWEL FLAT. LIGHTLY PRESS THE TV10 REINFORCING MESH INTO THE BASECOAT, TAKING CARE TO OVERLAP 100MM AT EACH JOINT. TYPICALLY ALLOW FOR 50% MESH REINFORCEMENT THROUGHOUT. PROVIDE FOR FIXOPIERRE BONDING LIQUID AS PER MANUFACTURERS INSTRUCTIONS.
- WHEN THE INITIAL BASECOAT IS SUFFICIENTLY CURED, NORMALLY BETWEEN 3 & 36 HOURS, CONTRACTOR TO SPRAY APPLY 2ND BASECOAT AT 8MM TO COMPLETELY INTEGRATE THE REINFORCING MESH IN THE BASECOAT.
- WHEN THE BASECOAT HAS CURED SUFFICIENTLY APPLY AN "I" SECTION TO REMOVE ANY HIGH SPOTS AND FLOAT FINISH SMOOTH READY TO RECEIVE PRIMER & THIN COAT TOPCOAT. LEAVE FOR MINIMUM 28 DAYS. THIS CURING TIME IS SUBJECT TO WEATHER CONDITIONS. IN MILDER MONTHS IT IS GREATLY REDUCED.

PRIMER:

- CONTRACTOR TO MIX THE PRIMER CAREFULLY IN THE TUB TO OBTAIN A HOMOGENEOUS PASTE.
- CONTRACTOR TO APPLY ACRYLIC PRIMER REVLANE+ REGULATEUR USING A LONG HAIR ROLLER OR BRUSH & LEAVE TO DRY FOR 16 HOURS.

SILOXANE ACRYLIC TOPCOAT:

- CONTRACTOR TO MIX THE PASTE IN THE TUB TO AN EVEN CONSISTENCY USING A SLOW SPEED MIXER.
- CONTRACTOR TO APPLY A REGULAR COAT OF REVLANE+ SILOXANE WITH A STAINLESS STEEL TROWEL LEVELLING THE THICKNESS TO THAT OF THE LARGEST PARTICLE.
- FOR FINISHING, CONTRACTOR TO USE REGULAR, CIRCULAR MOTIONS WITH A PLASTIC FLOAT TO OBTAIN DESIRED FINISH.
- AFTER SCRAPING, CONTRACTOR TO REMOVE ANY DUST ON THE SURFACE BY BRUSHING WITH A CLEAN SOFT BRISTLE BRUSH. ALWAYS STAND BACK AND EXAMINE THE WHOLE SURFACE FOR BLEMISHES.
- TOPCOAT TO BE TO SELECTED COLOUR BY CLIENT.

CRACK CONTROL - WINDOWS & DOORS

TO REDUCE THE RISK OF FACADE CRACKING AT HIGH STRESS LOCATIONS, STRESS FRACTURE LOCATIONS, FOR EXAMPLE AROUND WINDOWS AND DOORS, CONTRACTOR TO ALLOW FOR PAREX TV10 ALKALINE RESISTANT FIBREGLASS REINFORCEMENT MESH TO BE INSTALLED.

THE PAREX TV10 MESH SHOULD NOT BE MECHANICALLY FIXED BUT FULLY EMBEDDED AND BONDED WITHIN THE RENDER DURING THE INITIAL APPLICATION/KEY COAT STAGE.

MOVEMENT JOINTS

CONTRACTOR TO ALLOW FOR MOVEMENT JOINT BEADS TO BE APPLIED TO CORRESPOND WITH THE BUILDING MOVEMENT JOINTS ON THE FACADE. MOVEMENT JOINTS CREATED SOLELY WITHIN THE RENDER WILL NOT PREVENT CRACKING SO THERE IS NO NEED FOR HORIZONTAL DAY JOINTS ON PANELS UNDER 100SQM.

OTHER DESIGN CONSIDERATIONS

- GUTTERS AND DOWN-PIPES**
CONTRACTOR TO ENSURE GUTTERS AND DOWN PIPES ARE INSTALLED TO KEEP WATER AWAY FROM THE RENDER FACADES.
- FLASHINGS, OVERHANGS, SILLS AND COPINGS**
CONTRACTOR TO ENSURE FLASHINGS, OVERHANGS, SILLS AND COPINGS HAVE SUFFICIENT OVERHANGS AND DRIPS TO AVOID CREATING A CAPILLARY PATH, WHICH MAY CAUSE WATER TO COLLECT IN A SINGLE LOCATION. OVERHANGS SHOULD BE OF SUFFICIENT DESIGN TO PREVENT WATER WASHING OR SPLASHING ON TO THE SURFACE OF THE RENDER AS THIS COULD CAUSE STAINING.
- PIPES, CABLE, GAS VENTS AND OTHER PROJECTIONS**
CONTRACTOR TO ENSURE THE RENDER IS NOT PLACED DIRECTLY AGAINST PROJECTING PIPES OR GAS VENTS OR TO BURY PIPES OR CABLES WITHIN THE RENDER. CONTRACTOR TO ENSURE ALL PROJECTING PIPES TO BE SLEEVED USING AN APPROPRIATE MATERIAL THAT IS AT LEAST 10MM LARGER THAN THE DIAMETER OF THE PIPE OR PROJECTING ITEM. FOR GAS VENTS OR SIMILAR, THESE SHOULD HAVE AN APPROPRIATE SLEEVE OR RECEIVE A STOP BEAD NEATLY FITTED AROUND THE VENT, LEAVING AN EVEN 5MM GAP AROUND. IN ALL INSTANCES AN APPROPRIATE WEATHERPROOF SEALANT SHOULD BE USED TO SEAL THE GAP. FOR PIPES AND CABLES RUNNING UP OR ALONG THE WALL AN APPROPRIATE ACCESS DUCT SHOULD BE INSTALLED.
- EXISTING PLINTH TO SCHOOL BUILDING**
CONTRACTOR TO ALLOW FOR HACKING OFF ALL EXISTING PLINTHS AND PREPARE SURFACES TO RECEIVE NEW EXTERNAL RENDERING SYSTEM AND INSTALL BELCAST PROFILE RENDER STOP BEAD AND RE-RENDER PLINTHS WITH NEW SIKA EXTERNAL RENDER SYSTEM. BELCAST DETAIL TO BE INSTALLED AT LEVEL OF DPC.

5. BEADS
ALL BEADS TO BE PVC.

VERTICAL & HORIZONTAL MOVEMENT JOINT BEADS - USE A HEAVY-DUTY PVC MOVEMENT JOINT BEAD WITH A FLEXIBLE WHITE/MATCHING CO-EXTRUDED SYNTHETIC RUBBER MEMBRANE CENTRE. FIX TO THE CONCRETE BRICK USING PARMUREX DABS AT 300 MM CENTRES. ENSURE THE STRUCTURAL EXPANSION GAP REMAINS COMPLETELY FREE OF HARD MORTAR OR RENDER BACKFILL.

BASE PROFILE / RENDER STOP BEADS - ULTRA-HEAVY-DUTY PVC RENDER STOP BEAD (BELCAST PROFILE) WITH A DOWN-TURNED WATER DRIP EDGE. FIXED HORIZONTALLY A MINIMUM OF 150 MM ABOVE FINISHED GROUND LEVEL OR IMMEDIATELY ABOVE THE PHYSICAL DAMP-PROOF COURSE (DPC) LINE TO PREVENT GROUND-MOISTURE BRIDGING.

CORNER / CORNER MESH PROFILES - INSTALL PVC ANGLE BEADS INTEGRATED WITH A PRE-BONDED TV10 ALKALI-RESISTANT FIBREGLASS MESH WING. PLACED AT ALL EXTERNAL CORNERS, WINDOW REVEALS, AND DOOR JAMBS, ETC. TO PROVIDE IMPACT RESISTANCE AND PRECISE GEOMETRIC EDGES.

WINDOW & DOOR FRAME SEALS INCL. WINDOW CILLS - SELF-ADHESIVE PVC APERTURE SEALING BEADS FEATURING A FOAM SEALING STRIP AND PROTECTIVE TEAR-OFF STRIP. APPLIED DIRECTLY TO WINDOW/DOOR FRAME AND WINDOW CILLS FRAMES BEFORE RENDERING TO ENSURE A WIND-TIGHT, WATERPROOF ELASTIC SEAL

SITE PRECAUTIONS:

- CONTRACTOR TO ENSURE THAT BEFORE RENDERING BEGINS, THE SCAFFOLDING HAS BEEN POSITIONED TO PROVIDE SUITABLE ACCESS TO THE WHOLE OF THE FACADES. AVOID PLACING SCAFFOLD TUBES CLOSE TO THE WALLS AS THIS CAUSES APPLICATION DIFFICULTIES WHICH MAY RESULT IN SIGHT LINES SHOWING WHEN THE SCAFFOLD IS STRIPPED.
- CONTRACTOR TO ENSURE THAT DUE TO THE NATURE OF THE RENDER THAT WATER IS NOT ALLOWED TO SPLASH ONTO THE FINISHED FACE PARTICULARLY DURING THE FIRST 48 HOURS AFTER APPLICATION AS THIS COULD CAUSE STAINING PARTICULARLY NOTICEABLE ON STRONG COLOURS. IF IN DOUBT PLACE TEMPORARY PROTECTION TO VULNERABLE AREAS.
- CONTRACTOR TO ENSURE THAT ALL GUTTERING AND TEMPORARY DOWN-PIPES, ELECTRICS AND HANDRIALS ARE REMOVED AND STORED SAFELY BEFORE RENDERING COMMENCES. THIS IS ESSENTIAL TO AVOID WET PATCHES BEING FORMED WHERE A CONCENTRATION OF WATER HAS COLLECTED FROM AN OPEN DOWN-PIPE HOPPER.
- CONTRACTOR TO CAREFULLY REMOVE SPLASHES OF MATERIAL, IN PARTICULAR FROM GLASS OR ALUMINIUM IMMEDIATELY AS THEY MAY ETCH THE SURFACE AND LEAVE A PERMANENT MARK

CURING:

- CONTRACTOR TO ENSURE CARE IS BE TAKEN TO PROTECT CEMENT PRODUCTS SOON AFTER THE APPLICATION FROM RAPID FREEZING AND HEAVY RAINFALL. FOR OTHER DRYING CONDITIONS I.E. WHERE THERE IS DIRECT EXPOSURE TO SUNLIGHT OR DRYING WINDS, THE RENDER MAY REQUIRE TO BE KEPT EVENLY DAMP FOR ABOUT 3 - 4 DAYS BY LIGHTLY SPRAYING PERIODICALLY WITH CLEAN WATER. THIS PROCESS IS IMPORTANT TO ENSURE COMPLETE HYDRATION OF THE CEMENT AND THE LIME CAN TAKE PLACE.

SITE INSPECTION:

- CONTRACTOR TO ALLOW FOR TRADECRAFT/PAREX TO INSPECT PRIOR TO THE FIRST APPLICATION TO ENSURE BEAD DEPTHS ARE MAINTAINED AND RE-ENFORCING AND ALL PREPARATION IS INSTALLED CORRECTLY. WEATHER CONDITIONS AND SUBSTRATE WILL ALSO BE EXAMINED ON THE DAY.
- CONTRACTOR TO ALLOW FOR FURTHER SITE INSPECTIONS AND REPORTS TO BE ISSUED DURING BASECOAT AND FINISHCOAT STAGES.

APPLICATION OF THE EXTERNAL WATERPROOF RENDERING SYSTEM

WORKS TO BE UNDERTAKEN ONLY BY PAREX APPROVED AND REGISTERED APPLICATORS, APPROVED BY THE MANUFACTURER IN THE APPLICATION OF THE EXTERNAL WATERPROOF RENDERING SYSTEM AS MANUFACTURER'S PRODUCT WARRANTY FOR THIS PROJECT IS REQUIRED TO BE ISSUED TO THE ER UPON COMPLETION OF THIS PROJECT.

MANUFACTURER'S WARRANTY

UPON COMPLETION OF THIS PROJECT THE MANUFACTURER'S 10 YEAR PRODUCT WARRANTY FOR THIS PROJECT IS REQUIRED TO BE ISSUED TO THE ER.

REACTION TO FIRE PERFORMANCE

REVLANE SILOXANE TG 1.6 - A2-s1, d0 - PLEASE REFER TO ATTACHED DoP FOR PAREXLANKO WITHIN APPENDIX D OF THE SPECIFICATION

PARMUREX - CLASS A1 - PLEASE REFER TO ATTACHED DoP FOR PAREXLANKO WITHIN APPENDIX B OF THE SPECIFICATION

MARY HARRINGTON ARCHITECTS. MR.IAI.
THE PINES, BALLYDUFF EAST, KILMEADEN, Co. WATERFORD.
TEL/FAX: (051)384847, MOBILE: (086) 8940571.

TENDER

PROPOSED NEW EXTERNAL WORKS AT ST MARY'S PRIMARY SCHOOL, OLD YOUGHAL ROAD, DUNGARVAN, CO. WATERFORD.

PROPOSED EXTERNAL RENDERING WORKS
- PROPOSED FLOOR PLANS

SCALE: A1 @ 1:100 DATE: MAY 26 DRAWING NO.:
A3 @ 1:200 26-108-TR-04

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