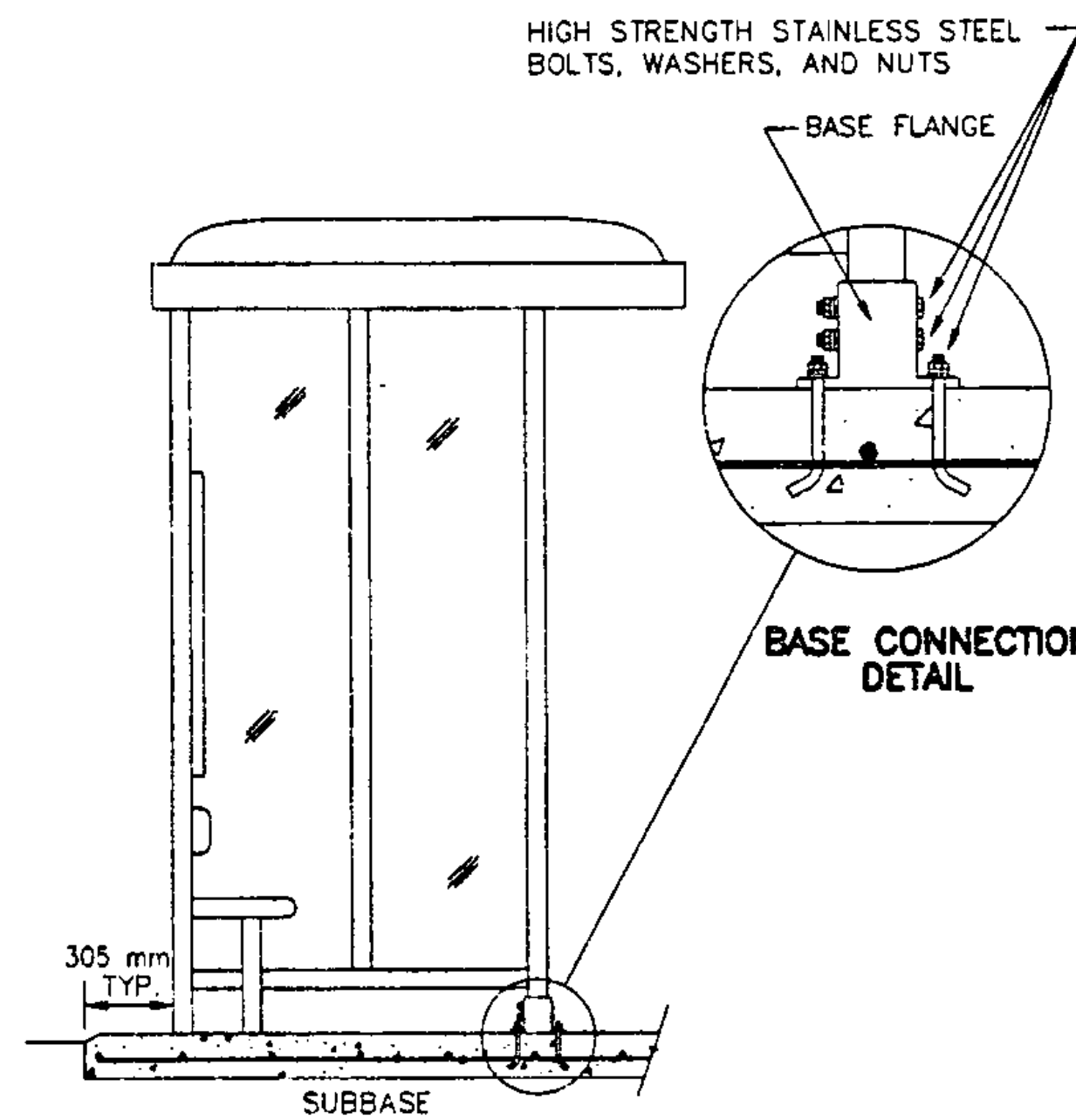
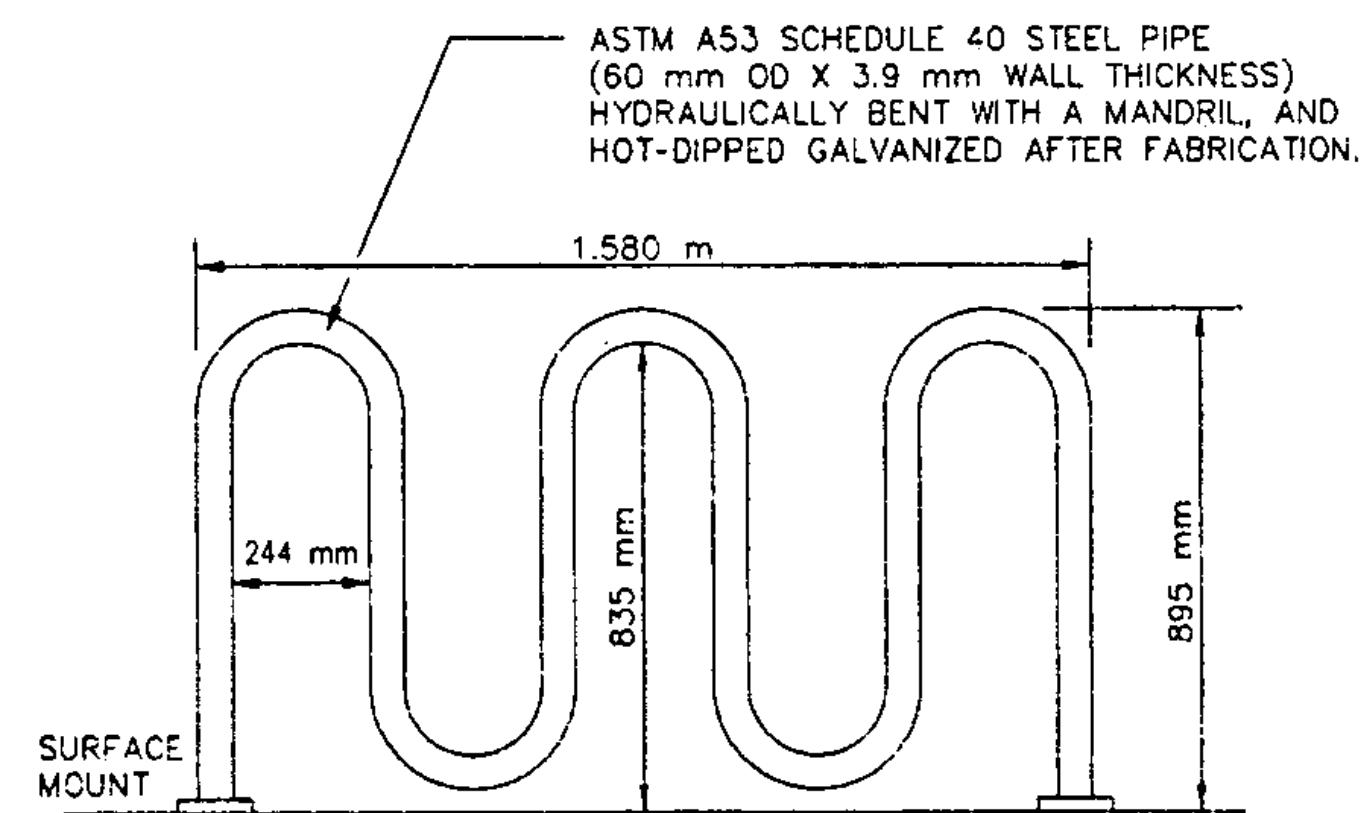


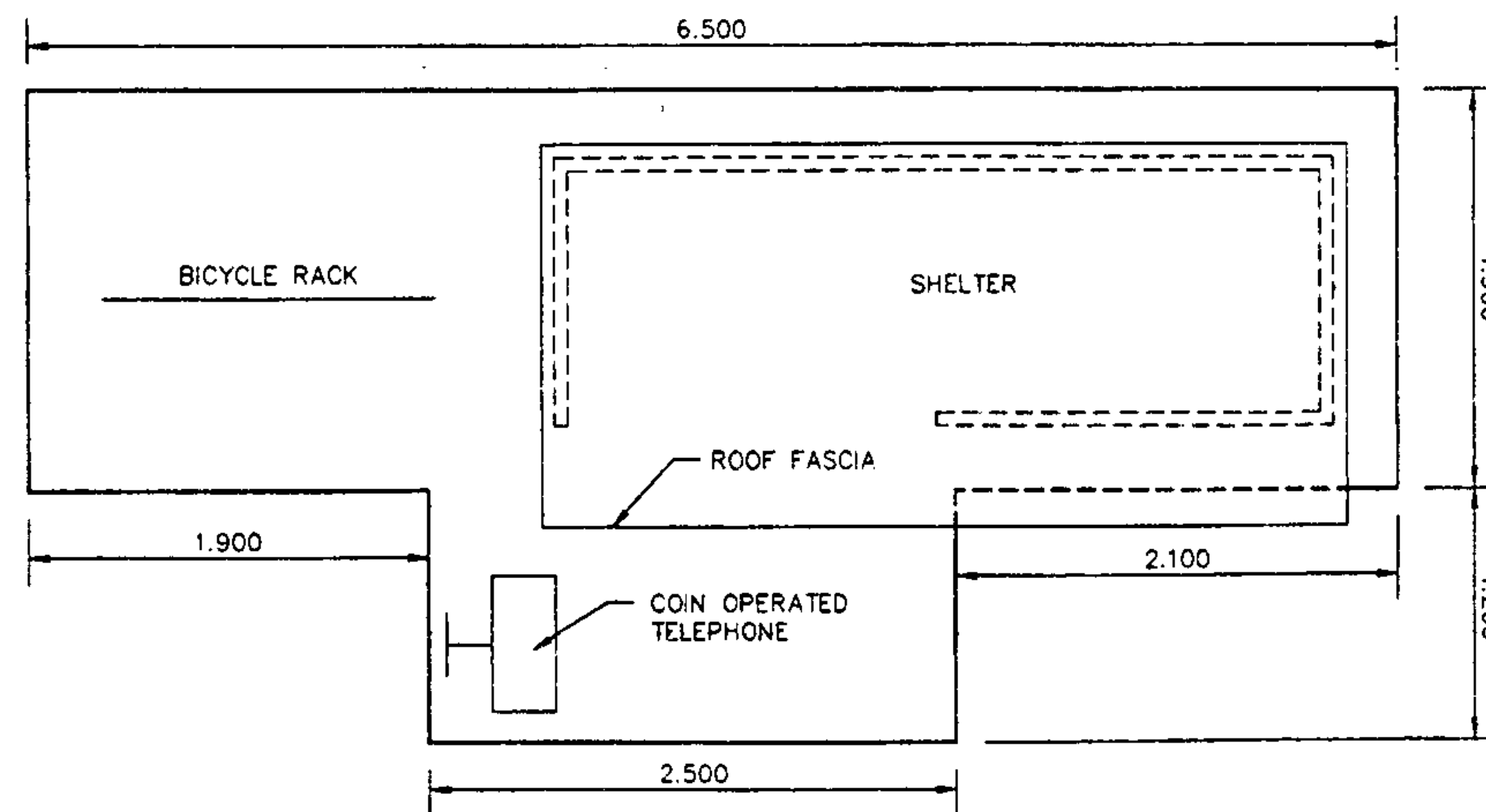
SHELTER PLAN



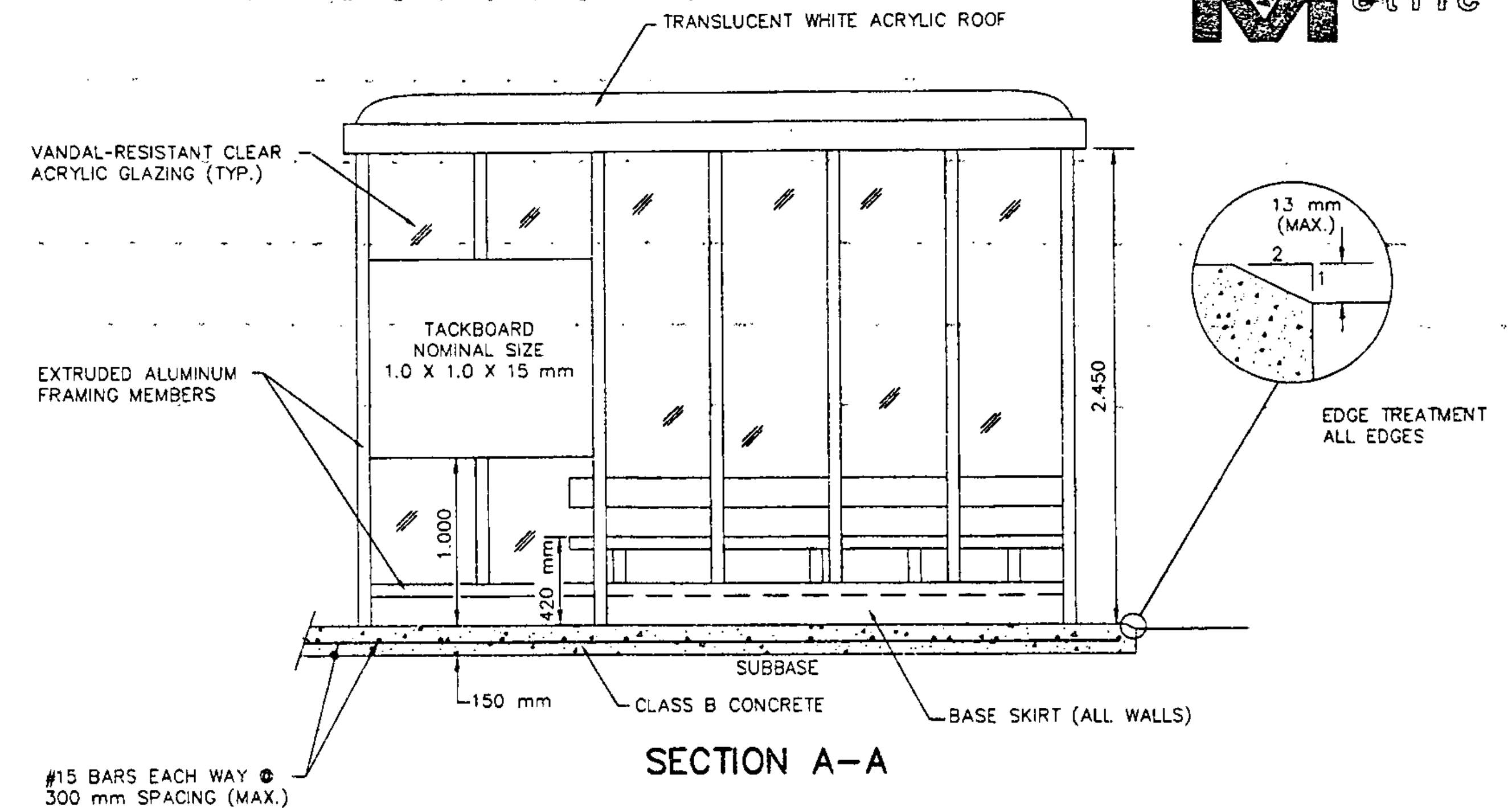
SECTION B-B



BICYCLE RACK ELEVATION



PLAN OF CONCRETE SLAB



SECTION A-A

SHELTER SPECIFICATIONS AND GENERAL NOTES

GENERAL:
THE WORK SPECIFIED INCLUDES THE FABRICATION, DELIVERY, AND ERECTION OF THE SHELTER COMPONENTS INCLUDING WALL FRAME, ROOF AND GLAZING PANELS, AND ALL REQUIRED ACCESSORIES AND HARDWARE FOR INSTALLATION. SHELTER SHALL BE STABLE WITH ALL WINDOWS, ROOF, FASCIA, AND GROUND FASTENINGS REMOVED. SHELTER SHALL BE VANDAL-RESISTANT, MAINTENANCE FREE AND COMPLETELY WEATHERPROOF. SHELTER SHALL BE PREFABRICATED IN FOUR OR FIVE PREGLAZED CAULKED AND GASKETED WALL AND ROOF SECTIONS.

STANDARDS:
ALL ALUMINUM SHALL CONFORM TO THE STANDARDS OF THE ALUMINUM ASSOCIATION. SHELTER CONSTRUCTION SHALL CONFORM TO THE STANDARDS OF ASCE. SHELTER SHALL BE ABLE TO WITHSTAND A MINIMUM DEAD LOAD OF 1.92 kPa AND A MINIMUM WIND LOAD OF 130 km/h.

CONSTRUCTION:
SHELTER SHALL BE CONSTRUCTED OF MODULAR INTERCHANGEABLE COMPONENTS. ALL STRUCTURAL FRAMING MEMBERS AND MULLIONS SHALL BE ONE-PIECE SEAMLESS EXTRUDED ALUMINUM TUBES OF 6061T6 OR 6063T6 ALLOY. SNAP TOGETHER OR TWO-PIECE TUBES WILL NOT BE ACCEPTED. WINDOW FRAMES, FASCIAS, AND ROOF "HOLD DOWNS" SHALL BE MULTI-FUNCTION EXTRUSIONS OF 6063T52 OR T6 ALLOY. WINDOW FRAMES AND FASCIAS SHALL PERMIT USE OF VARIOUS INTERCHANGEABLE GLAZING AND ROOFING MATERIALS. FRAMING MEMBER CONNECTIONS SHALL BE CONCEALED UTILIZING 57 mm X 57 mm X 6.4 mm OR 57 mm X 32 mm X 6.4 mm THICK ALUMINUM "U" CHANNELS WITH INTEGRAL WEEP SYSTEM AND TAPERED EDGES. MAIN STRUCTURAL JOINTS SHALL BE FASTENED WITH TWO HIGH STRENGTH 6.4 mm STAINLESS STEEL BOLTS WITH WASHERS, LOCK WASHERS, AND NUTS, AND 6.4 mm STRUCTURAL ALUMINUM DRIVE RIVETS. SELF TAPPING CONNECTORS WILL NOT BE ACCEPTED. SHELTER BASE CONNECTIONS SHALL BE ADJUSTABLE TO VARYING MOUNTING CONDITIONS WITH A CHOICE OF INTERNAL OR EXTERNAL FLANGE DETAILS. FINISH OF EXTERNAL FLANGES SHALL MATCH SHELTER FINISH. ALL JOINTS SHALL BE NEAT AND CLEAN AND ALL EDGES FREE OF BURRS.

FRAMING MEMBERS:
ALL MAIN STRUCTURAL FRAMING, BOTH VERTICAL AND HORIZONTAL - SHALL BE THE SAME SIZE, A MINIMUM OF 64 mm X 64 mm X 3.2 mm THICK. MULLIONS SHALL BE 38 mm X 64 mm X 3.2 mm THICK RECTANGULAR ALUMINUM TUBES.

WINDOW FRAMING:
WINDOW FRAMES SHALL BE "F" SHAPED EXTRUDED SECTIONS WITH INTEGRAL ALIGNMENT LIP WITH BEVELED EDGE, AND SCREW BOSS OR CORNER KEY SLOT. ALL CORNERS SHALL BE MITERED AND FASTENED INTERNALLY WITH CONCEALED STAINLESS STEEL SCREWS. EACH WINDOW FRAME UNIT, WITH WINDOW, SHALL BE INDEPENDENT OF THE STRUCTURAL FRAME. TAMPERPROOF 4.8 mm SHALLOW HEAD ALUMINUM RIVETS (FINISHED TO MATCH SHELTER) SHALL BE USED TO FASTEN WINDOW FRAMES TO STRUCTURAL FRAME AT APPROXIMATELY 335 mm O.C. WINDOW FRAMES SHALL PERMIT GLAZING TO BE ENGAGED UP TO 20 mm TO PREVENT "POP OUT".

FINISHES:
ALL ALUMINUM FRAMING AND FASCIA MEMBERS SHALL HAVE A CLEAR ANODIZED FINISH CONFORMING TO THE "ALUMINUM ASSOCIATION STANDARDS FOR ANODICALLY COATED ALUMINUM ALLOYS FOR ARCHITECTURAL APPLICATIONS".

GLAZING:
GLAZING SHALL BE 6.4 mm CLEAR VANDAL-RESISTANT ACRYLIC SHEET. ALL GLAZING SHALL BE GASKETED WITH CONTINUOUS EXTRUDED PVC DRY-SET SPLINES.

ROOF:
ROOF SHALL BE ONE-PIECE MOLDED SKYLIGHT DOME OF 6.4 mm TRANSLUCENT WHITE ACRYLIC. ROOF SHALL BE TRIPLE SEALED WITH CONTINUOUS COMPRESSED EPT GASKETS WITH ADHESIVE BACKING, ON BOTH TOP AND BOTTOM EDGES OF DOME. CONTINUOUS CAULKING BEAD INTEGRAL WITH "HOLD DOWN", AND CONTINUOUS PREMIUM GRADE SILICONE SEALS AROUND ALL EDGES AND JOINTS. ROOF DOMES SHALL BE FACTORY MOUNTED INTO FASCIA/GUTTER ASSEMBLY AND SHALL BE REMOVABLE WITHOUT REMOVING FASCIA. ROOFS SHALL BE LEAK AND CONDENSATION PROOF.

ROOF FASCIA:
ALL FASCIAS SHALL BE ONE-PIECE 152 mm HIGH (MINIMUM) EXTRUDED ALUMINUM MEMBERS WITH MITERED CORNERS, SELF ALIGNMENT LIPS, DOUBLE CORNER-KEY SLOTS, INTEGRAL GUTTER WITH HIDDEN DRAINAGE REVEAL AND DRIP MOLDING. TOP EDGES SHALL BE ROUNDED FOR SAFETY. FASCIA MEMBERS SHALL HAVE NO EXPOSED FASTENINGS. EACH CONNECTION BETWEEN FASCIA MEMBERS SHALL BE WITH TWO 6.4 mm THICK ALUMINUM ANGLE CORNER KEYS AND FOUR THREADED STAINLESS STEEL ALLENHEAD SET SCREWS.

SHELTER AND BICYCLE RACK DETAILS

PREPARED BY VSE DATE 2/96
 CHECKED BY VSE DATE 2/96
 DESIGN SUPERVISOR GAK DATE 2/96
 PROJ. RICHMOND CMG PARK(4)
 SHEET 17 OF 22 SHEETS

ALL DIMENSIONS IN METERS UNLESS NOTED OTHERWISE