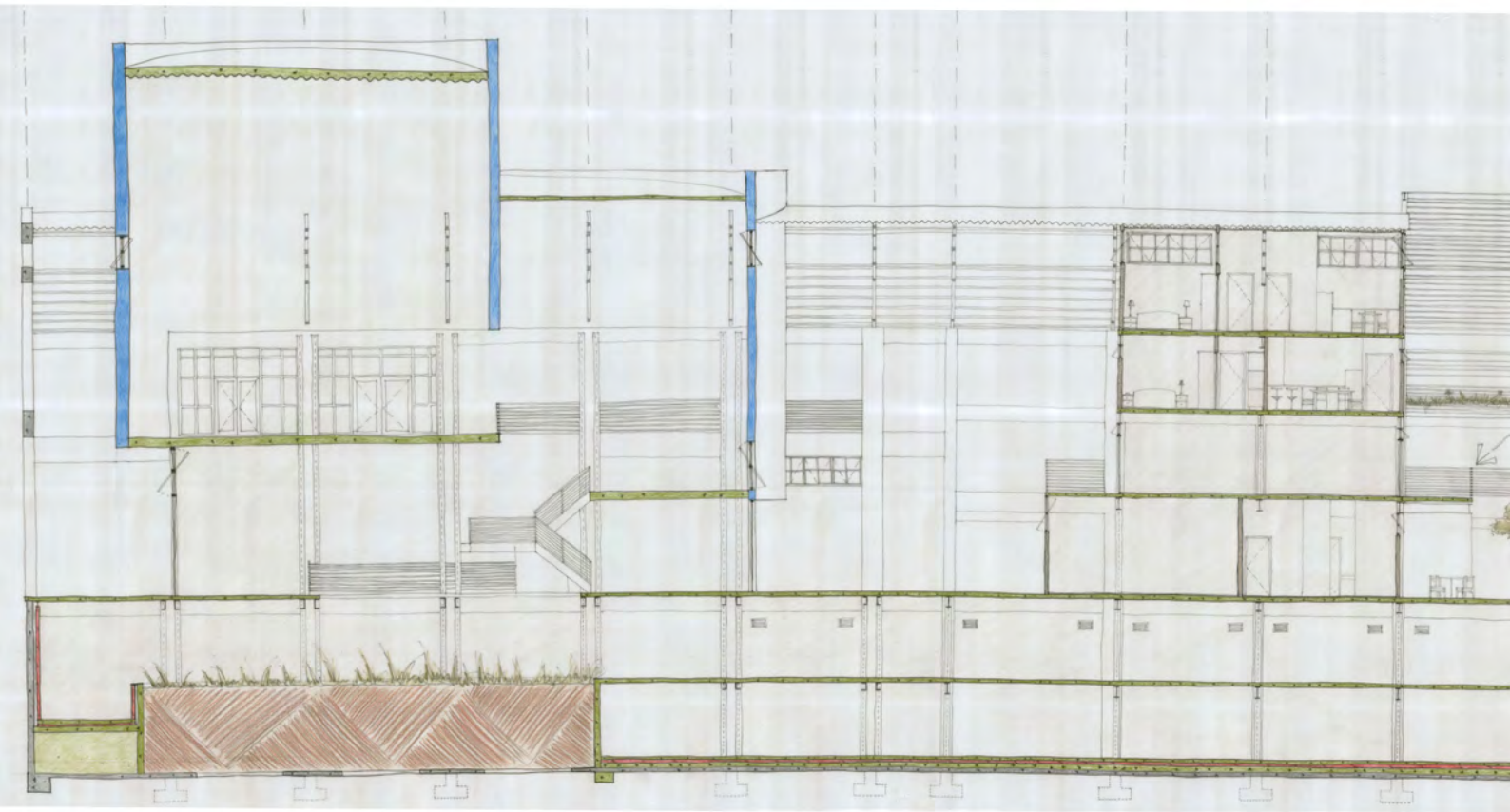


[10]

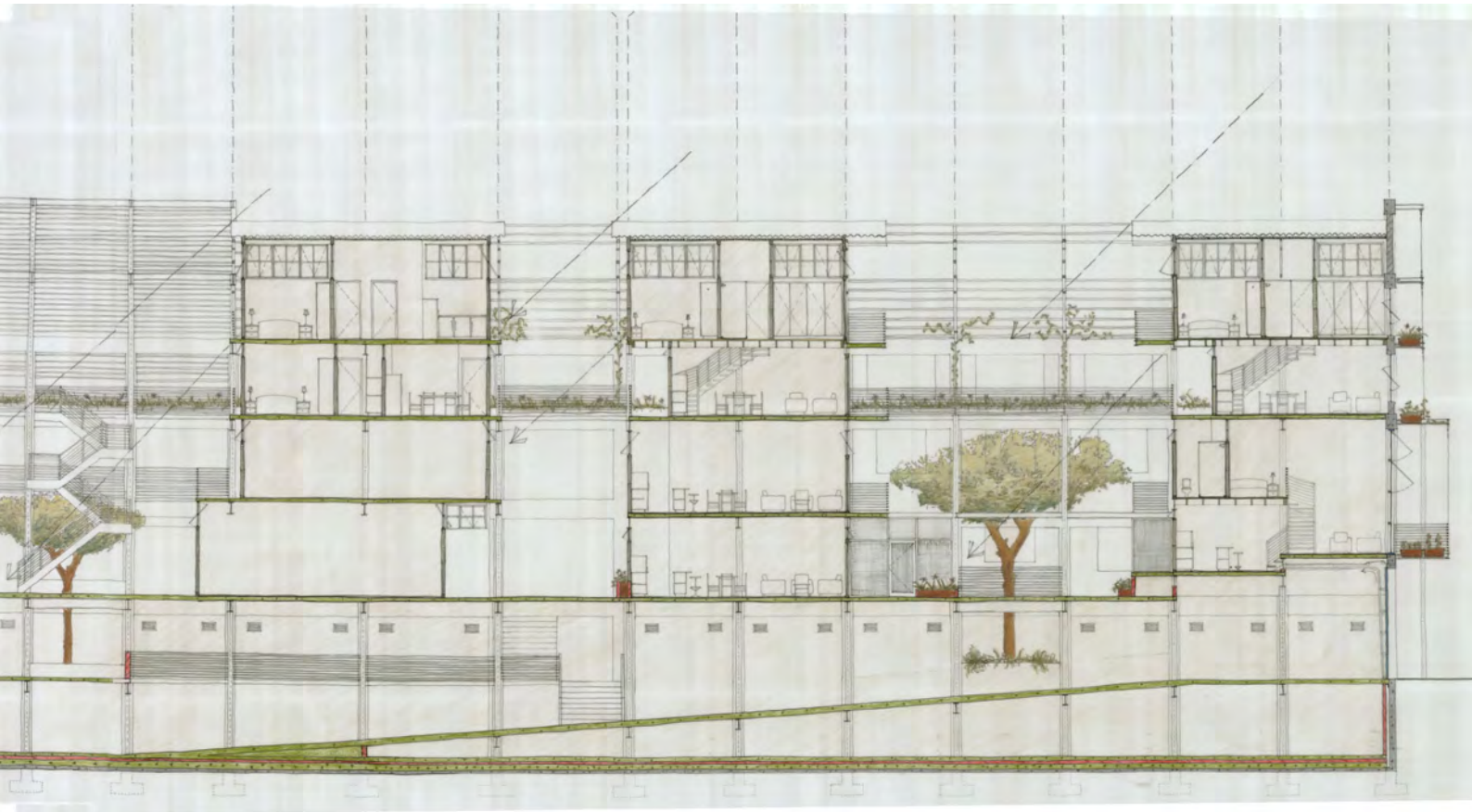
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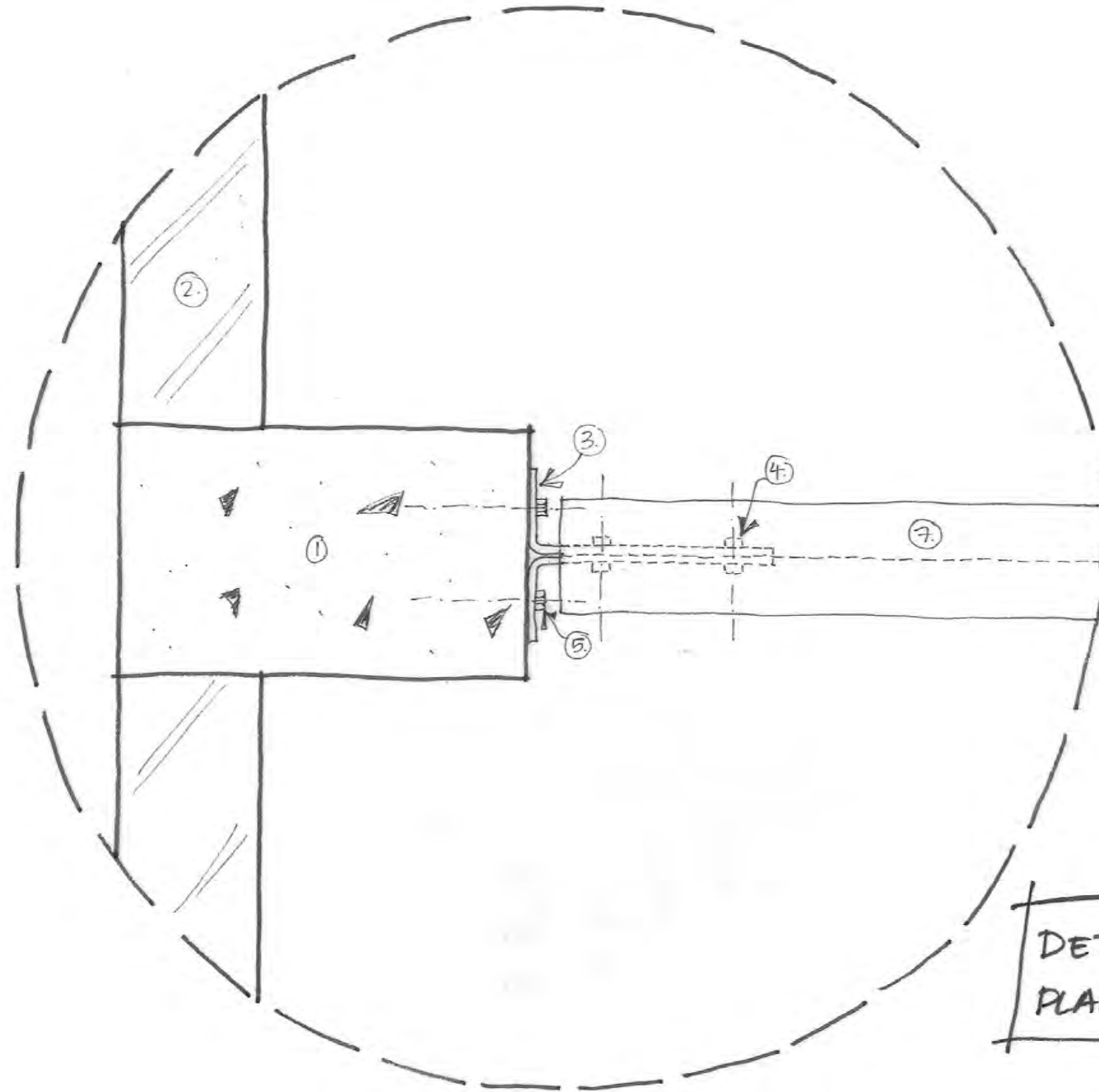


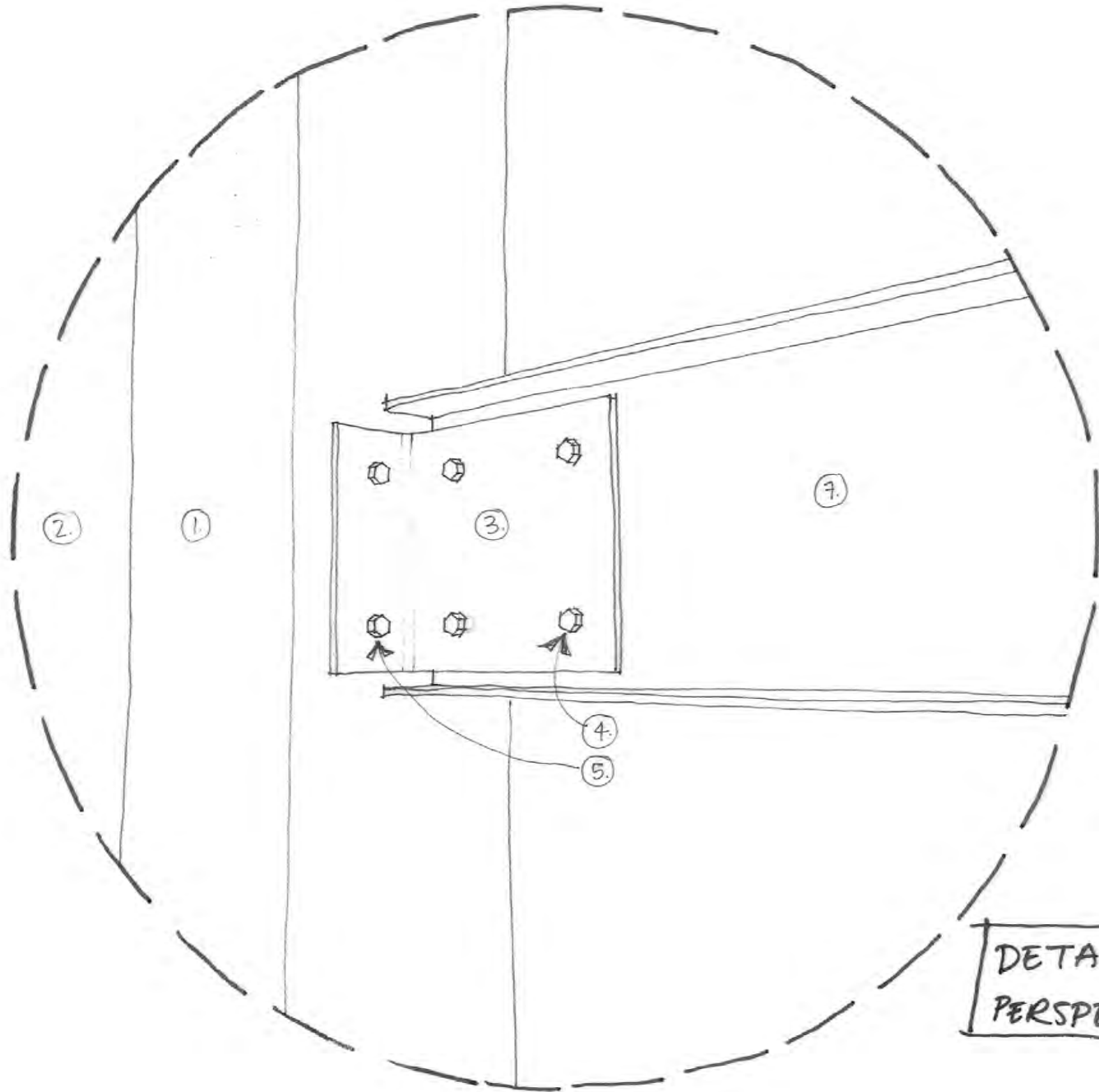
# [chapter 10] technical resolution



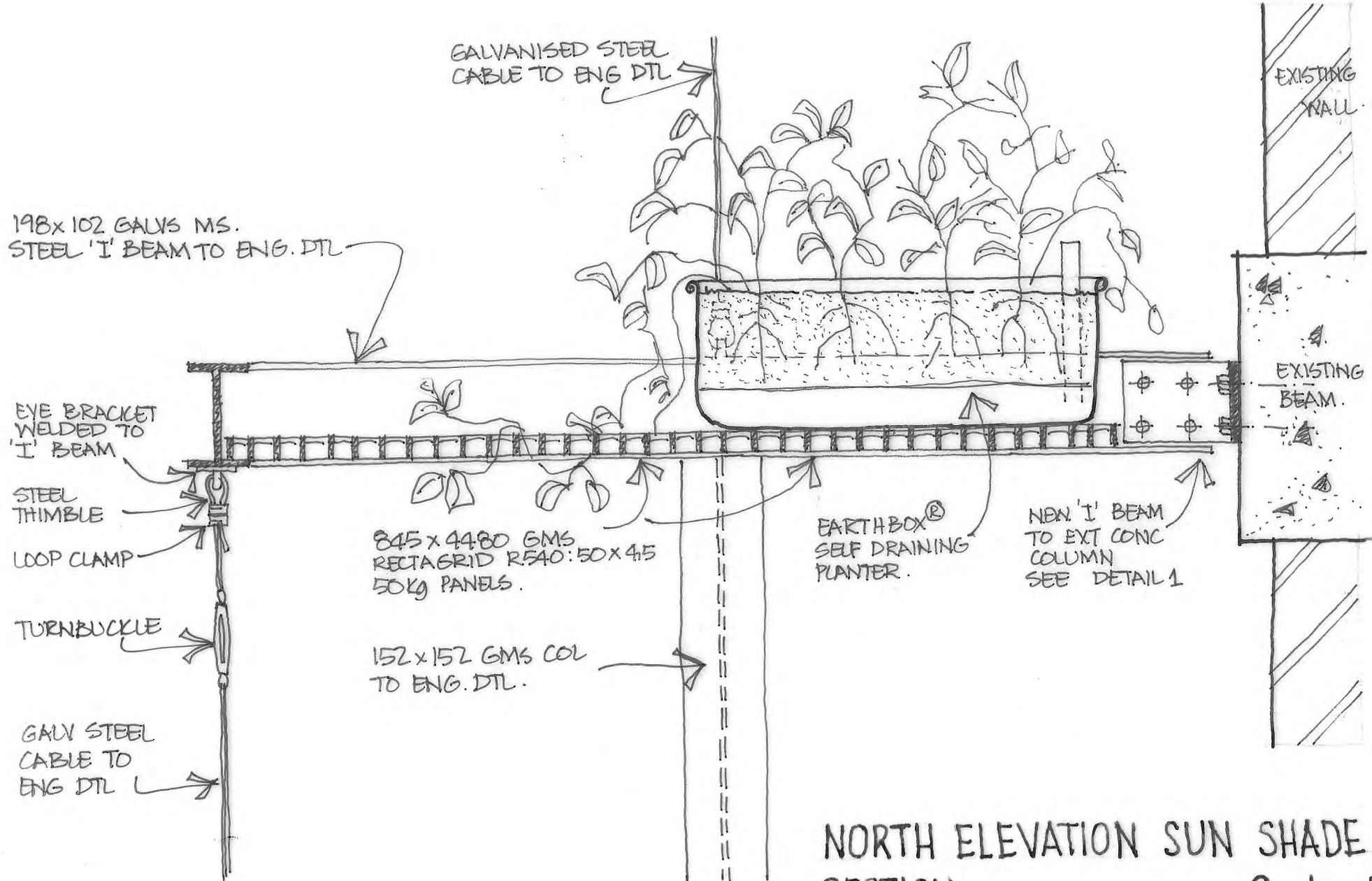
[Fig. 180] Longitudinal Section (Not to scale)







DETAIL B1  
PERSPECTIVE



NORTH ELEVATION SUN SHADE DETAIL  
SECTION  
Scale 1 in 10



185x8 CONTINUOUS GMS HEADPLATE & DRIP FIXED TO EXT. R.C. LINTOL BEAM WITH CHEMICAL ANCHOR BOLTS - ALL TO ENG DTL.

100x50 GMS CHANNEL WITH FLANGES FACING OUTWARDS.

EXPANDED GMS MESH SPOT WELDED TO 350 GMS TUBES.

EARTHBOX® SELF DRAINING PLANTER

50x50 GMS ANGLES TO SUPPORT PLANTERS.

150x8 GMS FIXING PLATE WITH CHEMICAL ANCHORS TO ENG. DTL.

EXISTING R.C. LINTOL BEAM

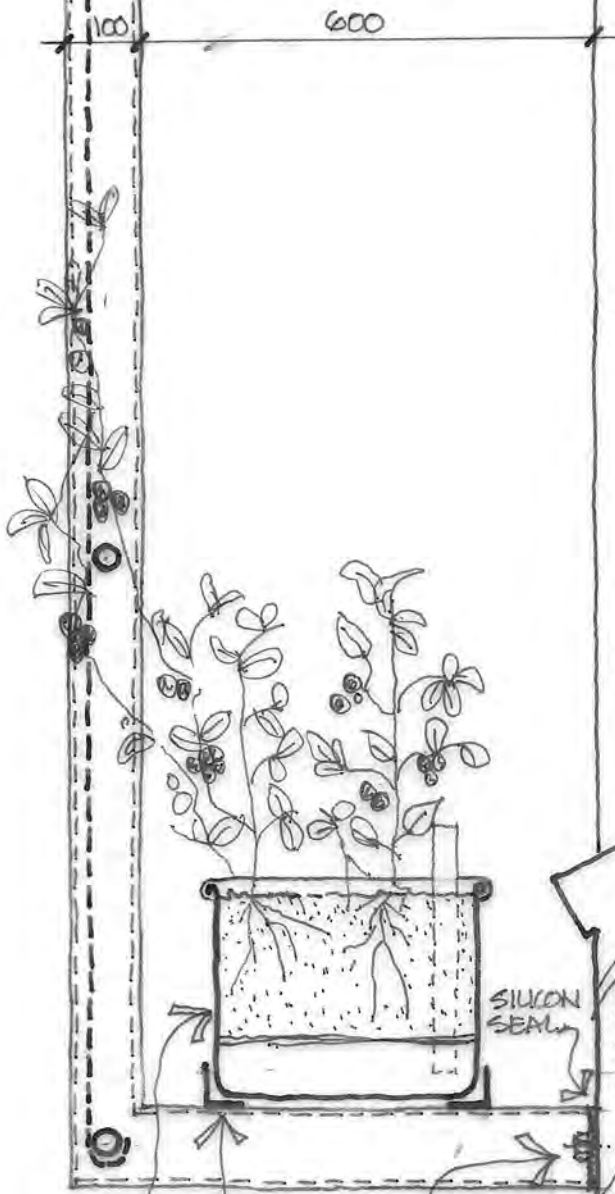
SILICON SEAL

MIN 150

45°

DRIP

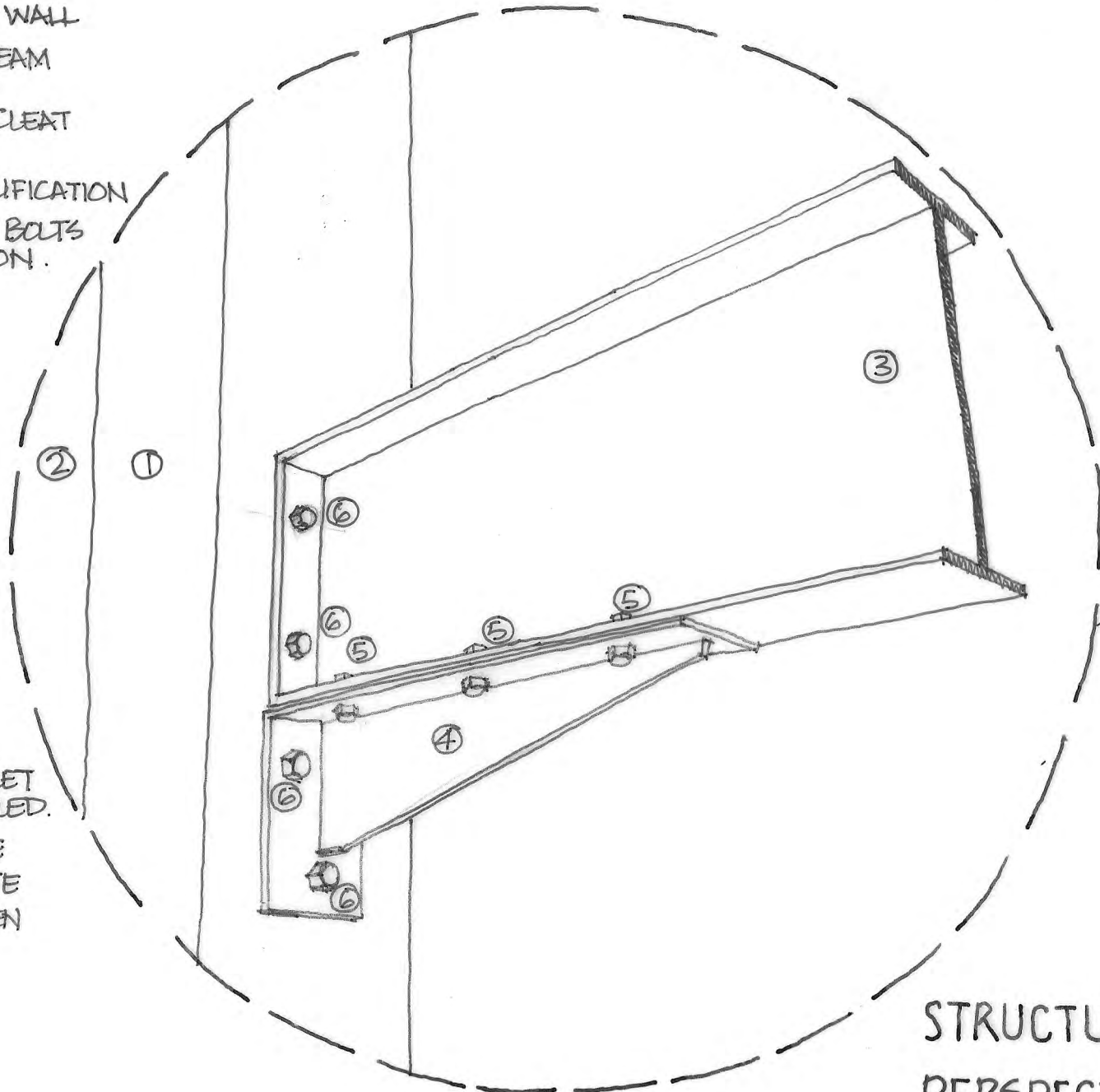
EXISTING WINDOW



WINDOW BOX DETAIL  
SECTION Scale 1:10

KEY

- ① EXISTING CONCRETE COLUMN
- ② EXISTING MASONRY WALL
- ③ 400x170 STEEL 'I' BEAM TO ENG DTL.
- ④ 600x300 GUSSET CLEAT TO ENG DETAIL.
- ⑤ BOLTS TO ENG SPECIFICATION
- ⑥ CHEMICAL ANCHOR BOLTS TO ENG SPECIFICATION.



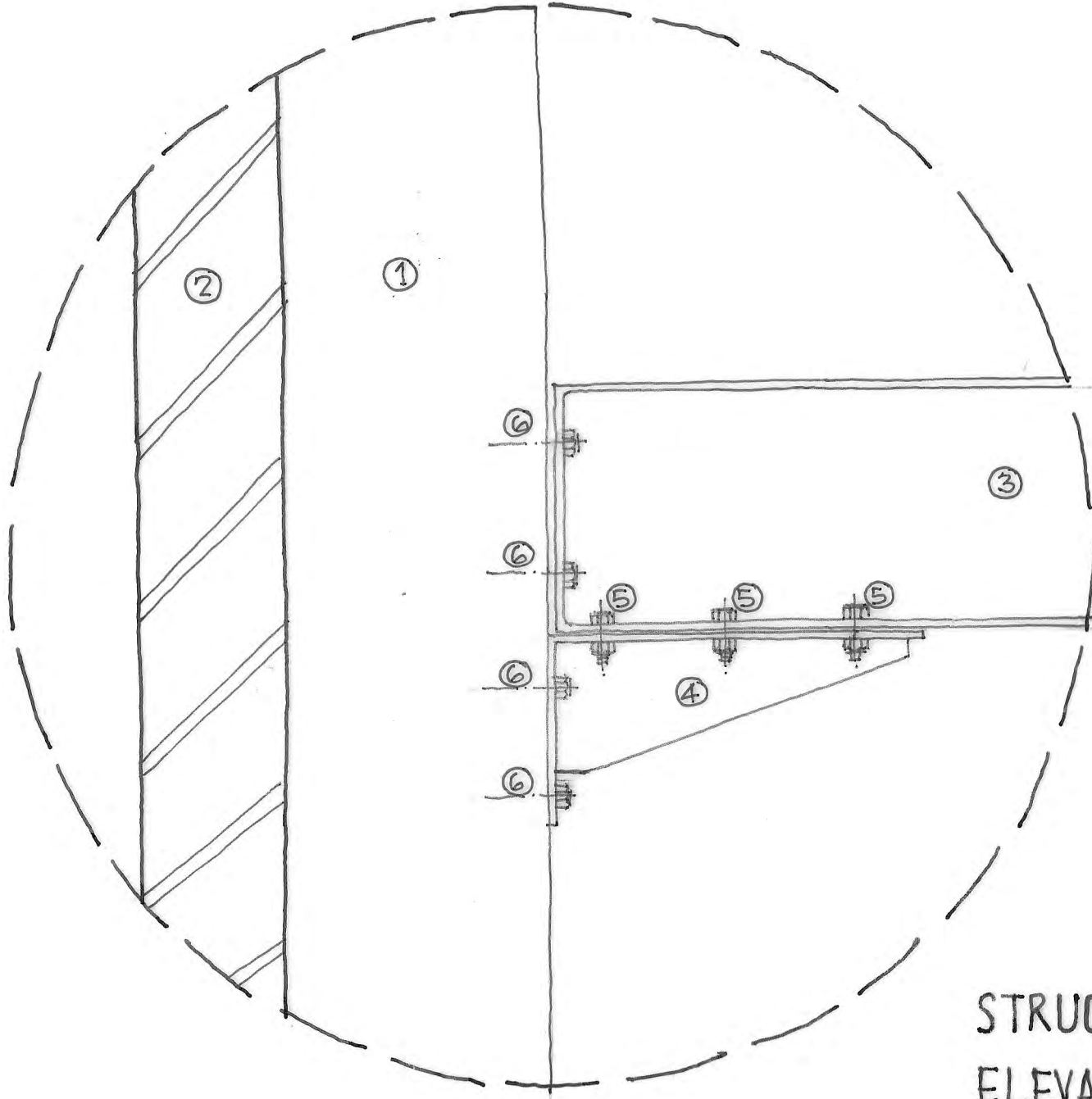
GENERAL NOTE

HOLES IN CLEAT BRACKET ARE TO BE PRE DRILLED.

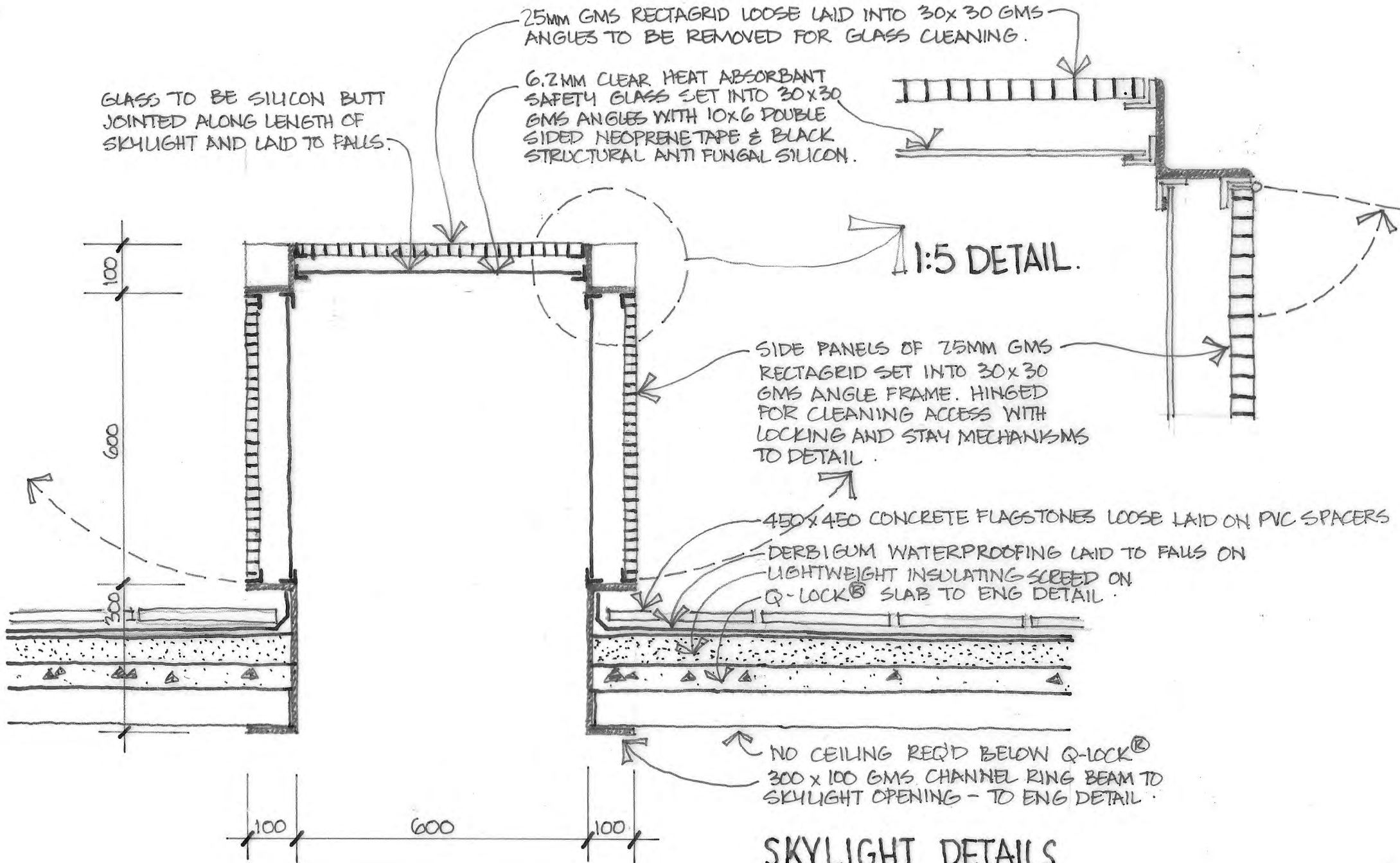
HOLES IN 'I' BEAM ARE TO BE DRILLED ON SITE AFTER BEAM HAS BEEN SET IN PLACE.

STRUCTURAL DETAIL C1  
PERSPECTIVE





STRUCTURAL DETAIL C1  
ELEVATION Scale 1:10



GLASS TO BE SILICON BUTT JOINTED ALONG LENGTH OF SKYLIGHT AND LAID TO FALLS.

25MM GMS RECTAGRID LOOSE LAID INTO 30x30 GMS ANGLES TO BE REMOVED FOR GLASS CLEANING.

6.2MM CLEAR HEAT ABSORBANT SAFETY GLASS SET INTO 30x30 GMS ANGLES WITH 10x6 DOUBLE SIDED NEOPRENE TAPE & BLACK STRUCTURAL ANTI FUNGAL SILICON.

1:5 DETAIL.

SIDE PANELS OF 75MM GMS RECTAGRID SET INTO 30x30 GMS ANGLE FRAME. HINGED FOR CLEANING ACCESS WITH LOCKING AND STAY MECHANISMS TO DETAIL.

450x450 CONCRETE FLAGSTONES LOOSE LAID ON PVC SPACERS

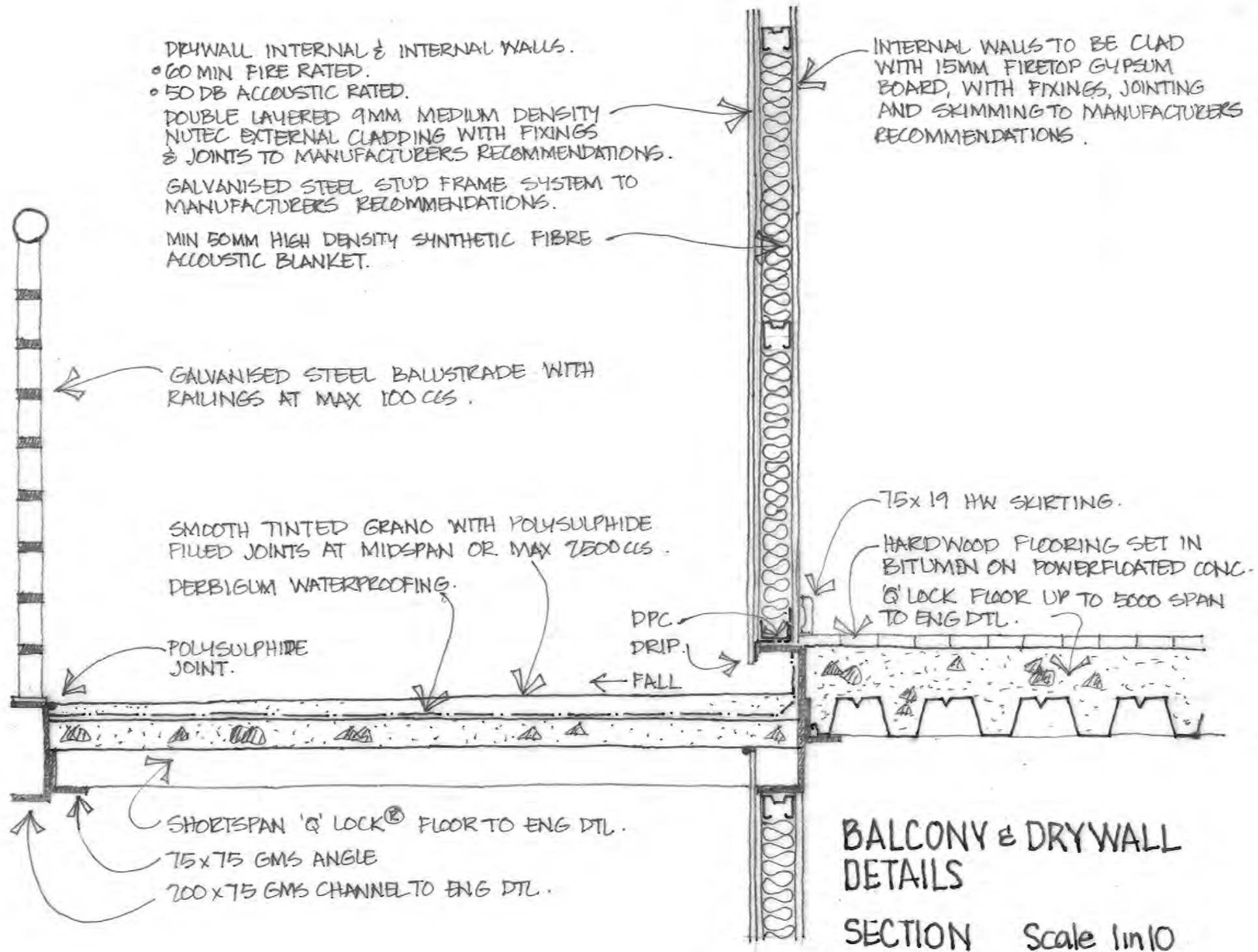
DERBIGUM WATERPROOFING LAID TO FALLS ON LIGHTWEIGHT INSULATING SCREED ON Q-LOCK<sup>®</sup> SLAB TO ENG DETAIL.

NO CEILING REQ'D BELOW Q-LOCK<sup>®</sup> 300 x 100 GMS CHANNEL RING BEAM TO SKYLIGHT OPENING - TO ENG DETAIL.

# SKYLIGHT DETAILS

SECTIONS Scale 1/10 & 1/5

[ 155 ]



- DRYWALL INTERNAL & INTERNAL WALLS.
- 60 MIN FIRE RATED.
- 50 DB ACOUSTIC RATED.
- DOUBLE LAYERED 9MM MEDIUM DENSITY NUTEC EXTERNAL CLADDING WITH FIXINGS & JOINTS TO MANUFACTURERS RECOMMENDATIONS.
- GALVANISED STEEL STUD FRAME SYSTEM TO MANUFACTURERS RECOMMENDATIONS.
- MIN 50MM HIGH DENSITY SYNTHETIC FIBRE ACOUSTIC BLANKET.

INTERNAL WALLS TO BE CLAD WITH 15MM FIRETOP GYPSUM BOARD, WITH FIXINGS, JOINTING AND SKIMMING TO MANUFACTURERS RECOMMENDATIONS.

GALVANISED STEEL BALUSTRADE WITH RAILINGS AT MAX 100 CCS.

SMOOTH TINTED GRANO WITH POLYSULPHIDE FILLED JOINTS AT MIDSPAN OR MAX 7500 CCS.  
DERBIGUM WATERPROOFING.

POLYSULPHIDE JOINT.

DPC DRIP.  
FALL

75x19 HW SKIRTING.

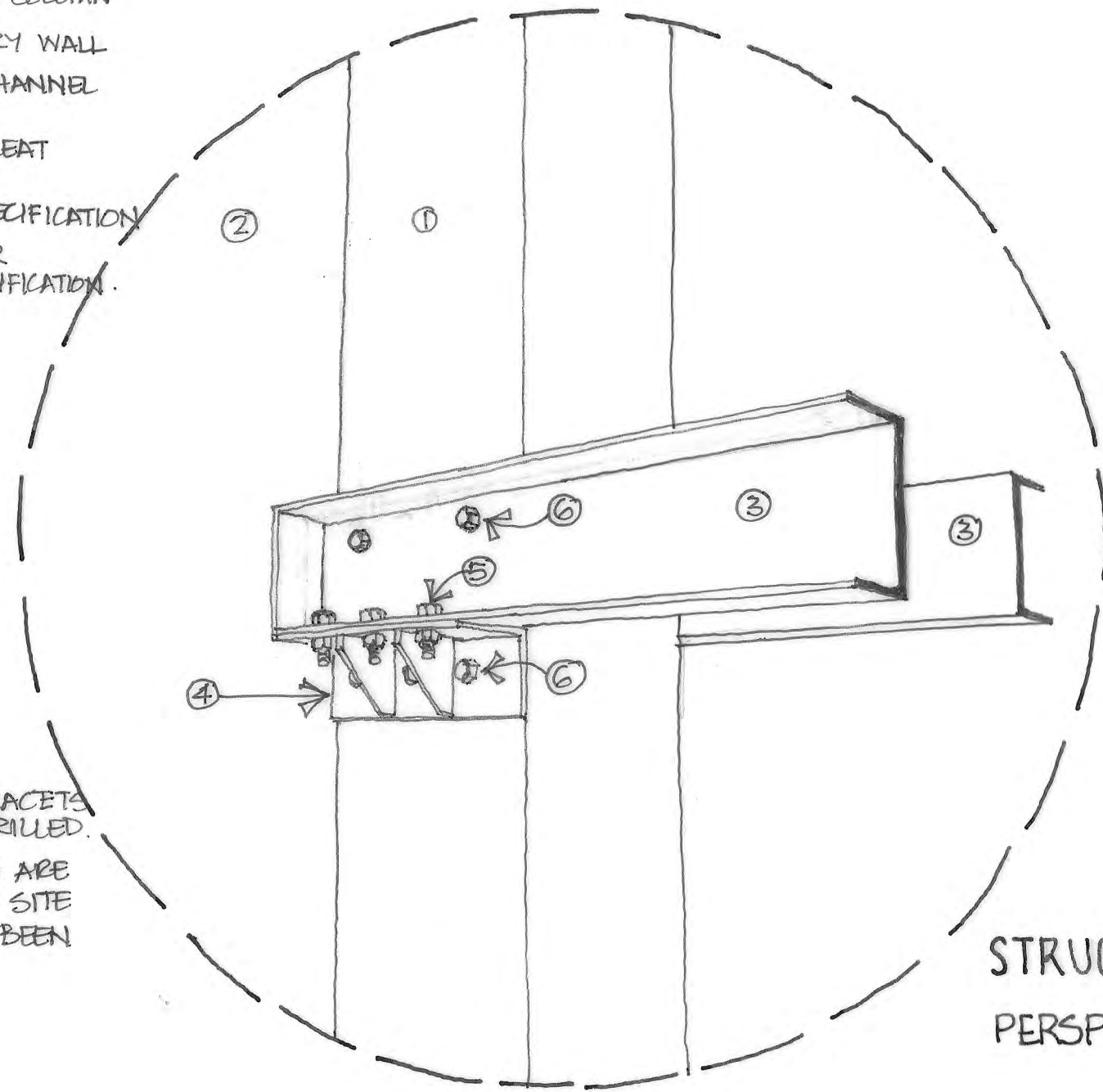
HARDWOOD FLOORING SET IN BITUMEN ON POWERFLOATED CONC. 'G' LOCK FLOOR UP TO 5000 SPAN TO ENG DTL.

SHORTSPAN 'Q' LOCK® FLOOR TO ENG DTL.  
75x75 GMS ANGLE  
200x75 GMS CHANNEL TO ENG DTL.

**BALCONY & DRYWALL  
DETAILS  
SECTION**      Scale 1in10

KEY

- ① EXISTING CONCRETE COLUMN
- ② EXISTING MASONRY WALL
- ③ 300 x 100 STEEL CHANNEL TO ENG DTL.
- ④ 90 x 150 ANGLE CLEAT WITH GUSSETS.
- ⑤ BOLTS TO ENG SPECIFICATION
- ⑥ CHEMICAL ANCHOR BOLTS TO ENG SPECIFICATION.

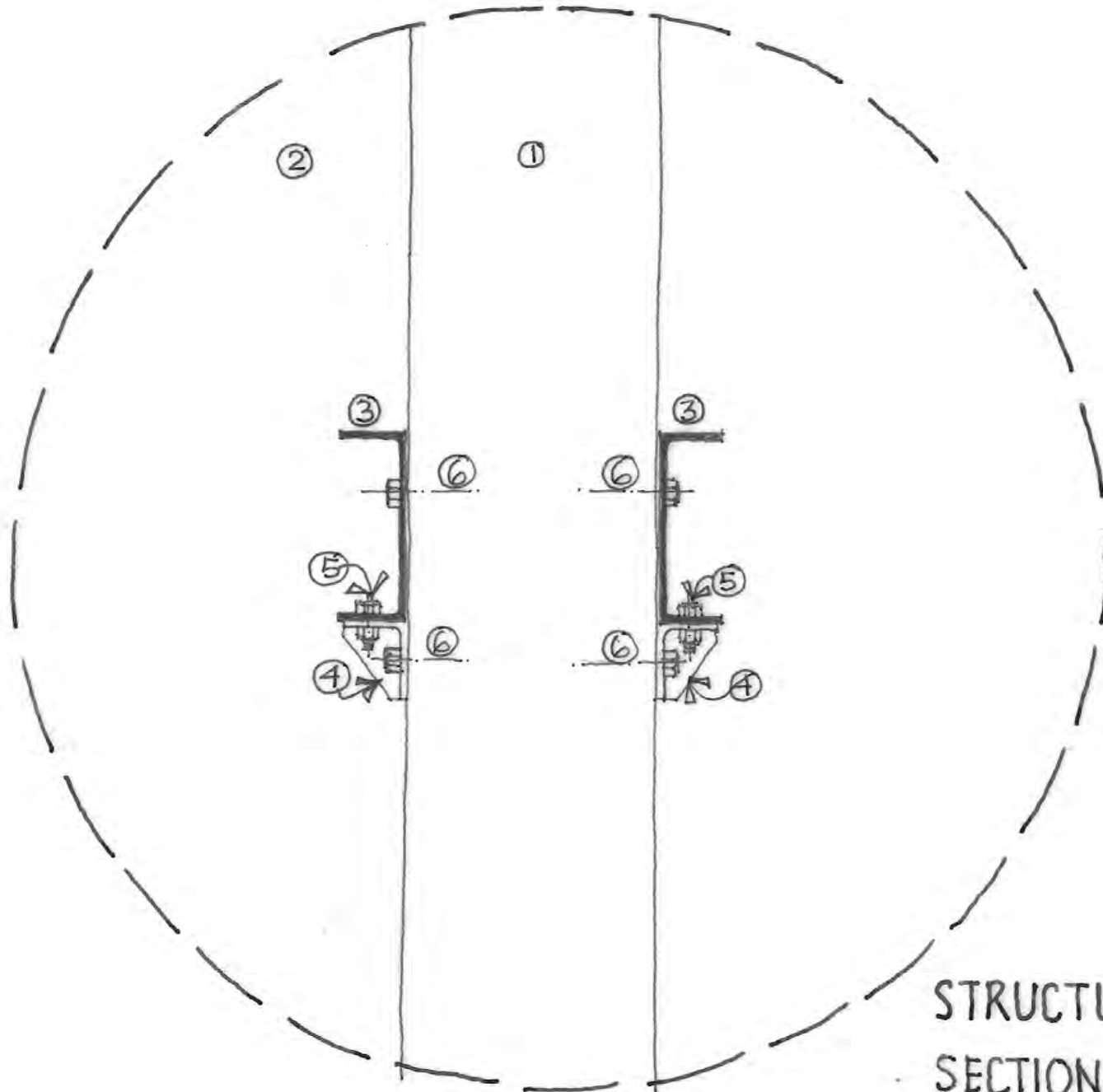


GENERAL NOTE

HOLES IN CLEAT BRACETS ARE TO BE PRE DRILLED.

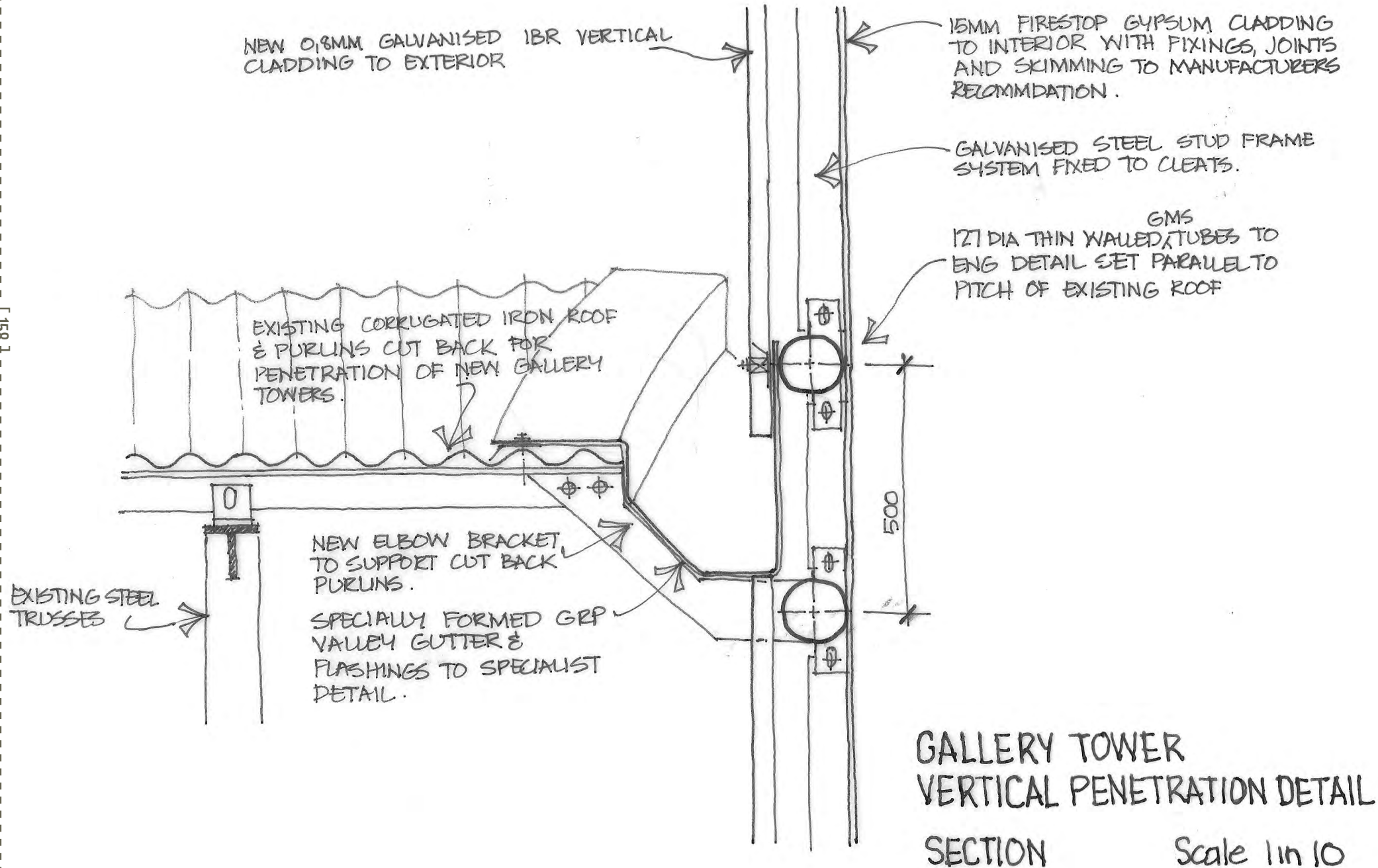
HOLES IN CHANNELS ARE TO BE DRILLED ON SITE AFTER THEY HAVE BEEN SET IN PLACE

STRUCTURAL DETAIL D1  
PERSPECTIVE



STRUCTURAL DETAIL D1  
SECTION Scale 1:10

[ 158 ]



[ 159 ]

NEW 0,8MM GALVANISED IBR VERTICAL CLADDING TO EXTERIOR OF GALLERY TOWERS. FIXED TO: -

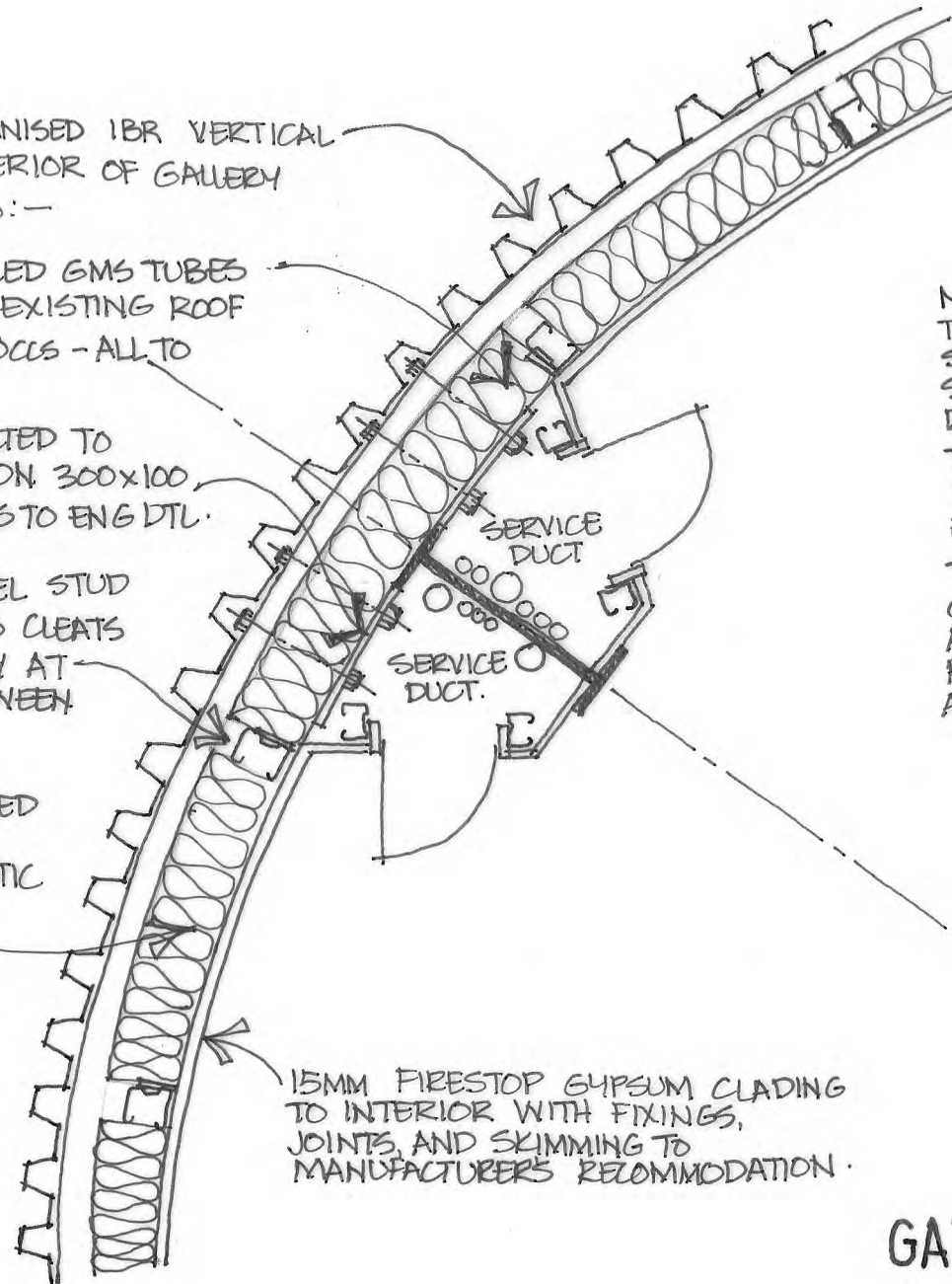
127 DIA THIN WALLED GMS TUBES SET PARRAUEL TO EXISTING ROOF PITCH AT MAX 1800CCS - ALL TO ENG. DETAIL.

127 DIA TUBES BOLTED TO GUSSET PLATES ON 300x100 'I' BEAM COLUMNS TO ENG DTL.

GALVANISED STEEL STUD FRAMES FIXED TO CREATS & SET VERTICALLY AT MAX 500CCS BETWEEN 127 DIA TUBES.

100 MM COMPRESSED SYNTHETIC FIBRE THERMAL & ACCOUSTIC INSULATION.

15MM FIRESTOP GYPSUM CLADING TO INTERIOR WITH FIXINGS, JOINTS, AND SKIMMING TO MANUFACTURERS RECOMMODATION.



NOTE.

THE ENTIRE GALLERY TOWERS STRUCTURE WILL BE TO STRUCTURAL ENGINEERS DETAIL.

THE STRUCTURE WILL REQUIRE PROPING AND SUPPORT DURING ERECTION.

THE EXTERNAL VERTICAL IBR CLADDING WILL BE DESIGNED AS A STRUCTURAL SKIN TO PROVIDE THE REQUIRED BRACING AND SUPPORT.

RADIUS NOT TO SCALE.

GALLERY TOWER WALL DETAIL  
PLAN  
Scale 1 in 10

## [new cavity basement construction]

part of existing slab removed and then made good  
course stone infill

derbygum waterproofing or approved equivalent  
stretcher course on edge to allow for ventilation into cavity

weep hole with geotextile cover  
110mm cavity

screed

120mm concrete slab reinforced with steel mesh to engineer's specification

0.45 polyolefin damp proof membrane (black)

layer of loosely laid bricks

200mm no fines concrete base to a fall towards sumps with geopipes laid in a herringbone pattern

existing basement floor

sump to engineer's specification

