



LIGHTWEIGHT LIMESTONE ROOF STRUCTURE
 - Lightweight inclined limestone cladding fixed to secondary steel purlins
 - Main curved steel ribs connected to circular steel ring beam
 - Curved vertical steel supports transfer roof load to RC pedestal
 - Base plate and anchor bolts fixed to RC pile cap foundation
 - Central chimney tower braced to ring beam / roof platform

Y-SHAPED STEEL SUPPORT COLUMN
 - Branching steel support column
 - Connected to curved roof rib structure
 - Supports lightweight roof edge
 - Fixed to RC footing base

GROUND CONNECTION DETAIL - Curved steel support fixed to base plate - Anchor bolts into RC pedestal - RC pedestal connected to pile cap - Pile foundation below draw it

RC RAMP WITH RETAINING WALL
 - 200mm THK reinforced concrete ramp
 - 250mm-300mm THK RC retaining wall on one side
 - Waterproofing membrane behind retaining wall
 - Leads to underground cave level

SECTION B-B
 SCALE 1:300

NOTES:

DEPARTMENT:



COURSE:

STUDIO 5

PROGRAM:

BACHELOR OF SCIENCE IN (HONS)
 (ARCHITECTURAL DESIGN)

PROJECT:

PROPOSED LIMESTONE QUARRY
 HERITAGE
 INTERPRETATION AND EDUTOURISM
 CENTRE
 AT TASIK CERMIN, IPOH, PERAK
 FOR
 TASIK CERMIN ECO-PARK

SEMESTER:

202601

DRAWING TITLE:

SECTION B-B

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SCALE AS SHOWN

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