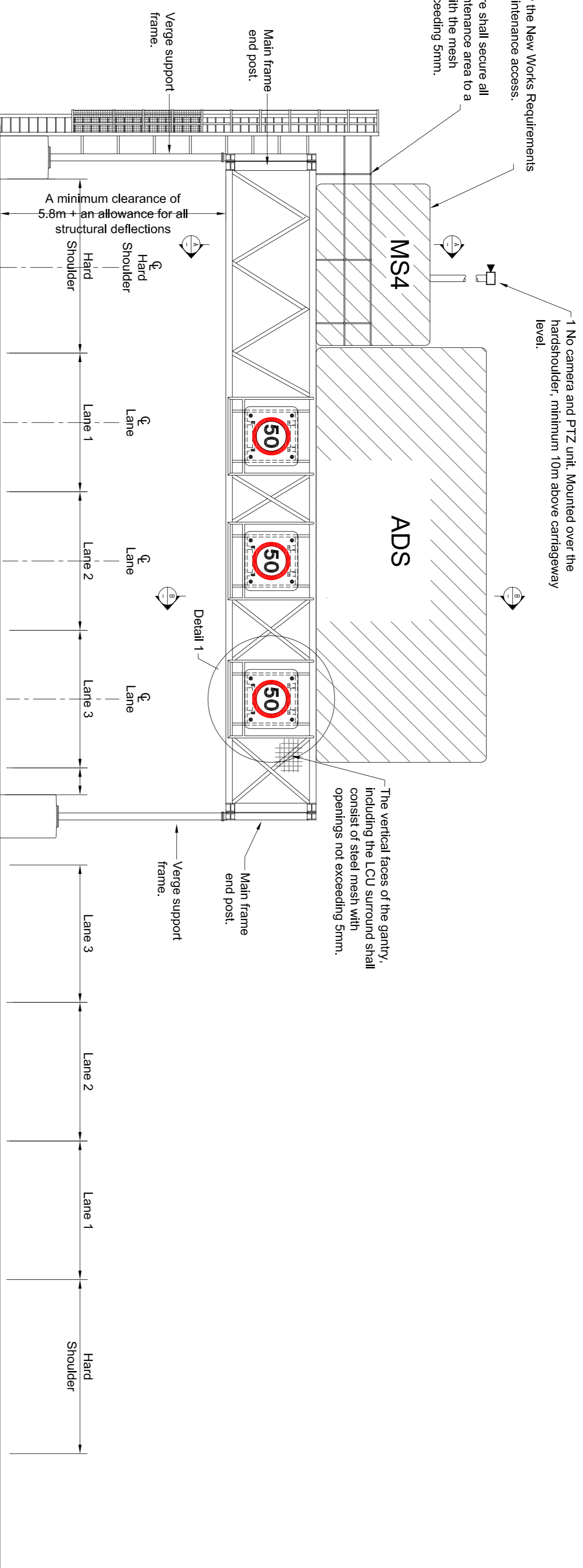
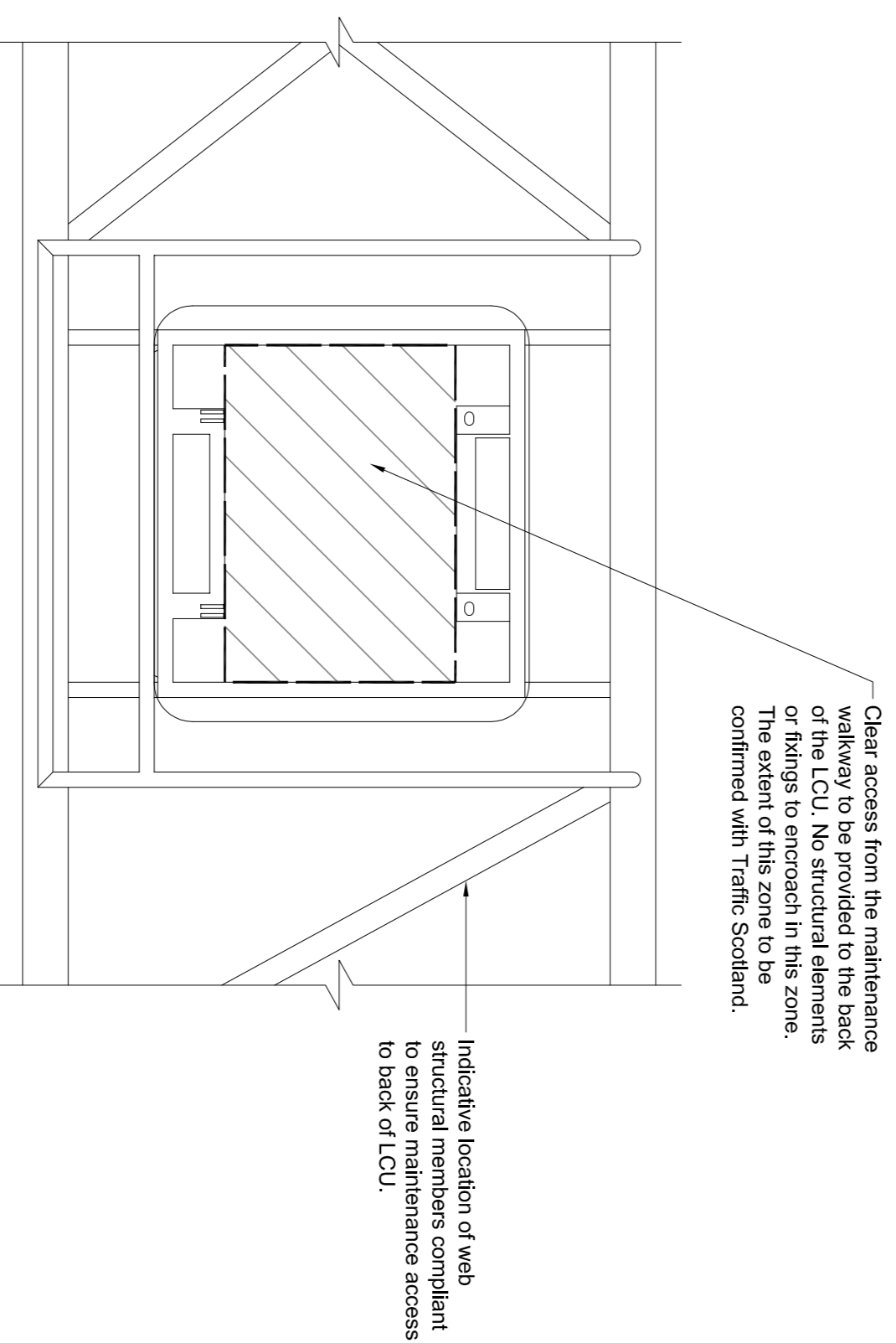


Where required by the New Works Requirements MS4/VMS with maintenance access.

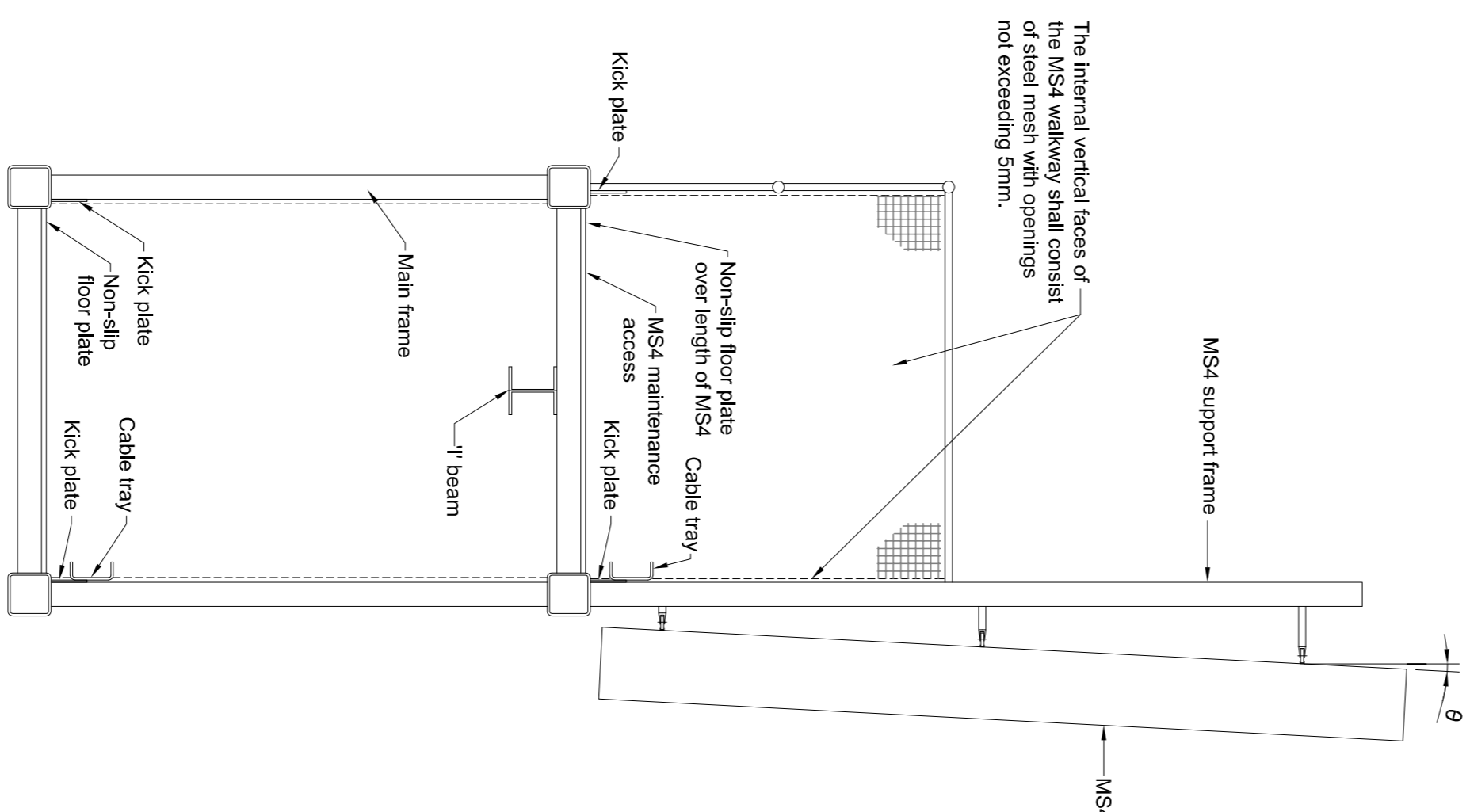
A mesh enclosure shall secure all sides of the maintenance area to a height of 1.5m with the mesh openings not exceeding 5mm.



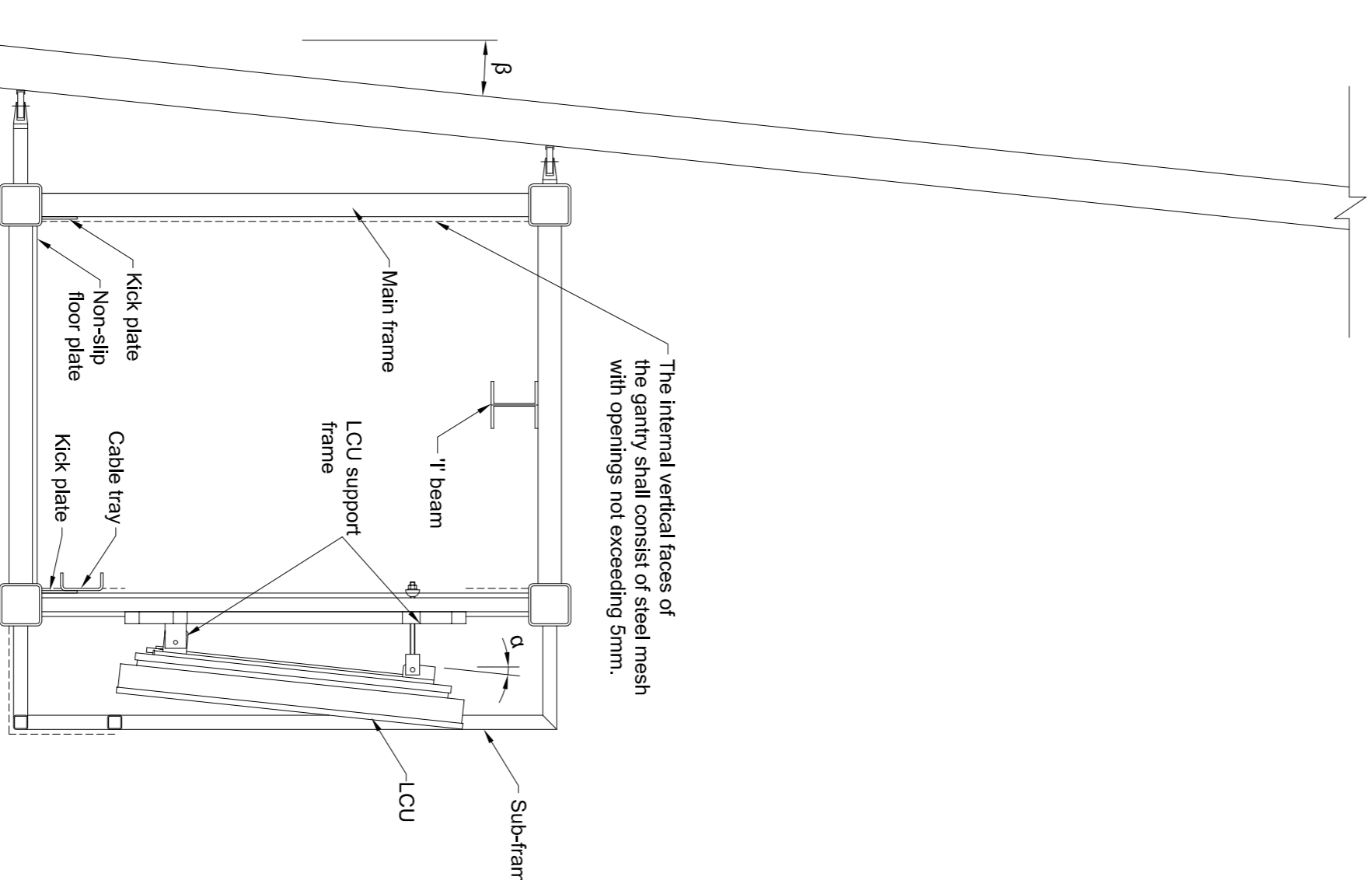
TYPICAL GANTRY ELEVATION
C:\N1\CG401



DETAIL 1
SCALE 1:25



SECTION A-A
Scale 1:25



SECTION B-B
Scale 1:25

- Notes:
- All dimensions are in millimetres unless noted otherwise.
 - This drawing defines the geometric requirements for portal type gantries spanning a single carriageway.
 - Spans will be dependent on the actual vehicle restraint system, working widths, visibility requirements and any other relevant constraints as detailed in the New Works Requirements.
 - A maintenance walkway of minimum dimensions 2.1m high and 1.5m wide shall be provided within the gantry. No permanent fixings or structural elements shall intrude into this space.
 - A maintenance walkway of minimum width 1.5m shall be provided behind the length of the MS4/VMS sign.
 - A solid 150mm kick plate shall be provided immediately above walkway floor.
 7. I-beam of 500Kg SWL shall be attached to the top of the gantry to enable loads to be lifted/lowered from gantry walkways.
 - All structural steelwork is shown for indicative purposes only.
 - Carriageway configuration shown indicatively only. The general principle shall be to align the Lane Control Unit (LCU) over the centreline of the lane.
 - Refer to the New Works Requirements for other specific gantry requirements.
 - Angles of adjustment shall be in accordance with the Standards for Highway Works.
 - No structural elements shall impede access to LCU equipment. LCU support frame shown indicatively only. Actual frame to suit LCU equipment.
 - LCU support frame connections shall allow rotation both vertically and horizontally.
 - ADS sign shown indicatively only. ADS support frame shall be designed to suit actual ADS sign requirements.
 - MS4/VMS support frame shall be designed to suit actual VMS/MS4 equipment requirements.
 - Equipment access to be provided over hard shoulder/hard strip in underside of gantry.
 - A second emergency egress ladder shall be provided remove from the Maintenance Access Ladder.
- Legend
- LCU - Lane Control Unit.
 - MS4 - VMS which displays both pictograms and text.
 - ADS - Advanced Direction Sign.
 - Fine mesh with openings not exceeding 5mm.

CLIENT

PROJECT TITLE

M8 M73 M74
Motorway Improvements



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ENGINEER

mouchel FAIRHURST

IN ASSOCIATION WITH



DRAWING TITLE

DEFINITION DRAWING
PORTAL GANTRY
SPANNING SINGLE CARRIAGEWAY

SCALE AT A1

AS SHOWN

DRAWING NO

M8/CSG401/001

REV

-

REV

REVISIONS

AMENDMENTS

BY

CHKD

APPD

DATE

DESIGN BY:

IB

CHECKED BY:

ML

DATE:

07/02/2012

DRAWN BY:

CF

APPROVED BY:

SA

DATE:

07/02/2012

DRAWING STATUS

CONTRACT