

HILLS ENGINEERING CONSULTANTS PTY LTD

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date and time: 2 Aug 2024

to: Karl Neil/Bruce Abrams

Project location: No.1-7, Anderson Rd Liverpool, NSW

from: Ranji Premaratne – Hills Engineering Consultants

project name / subject: **Memorandum – South Elevation Scaffold Affected by Trenching Works**

Dear Karl,

This engineer has conducted a structural engineering as-built inspection of the undermined scaffold legs at 5 locations along south elevation of the above site in accordance with the following relevant design standards and documentation:

Australian Standards

- ASNZS 1170.0-2002 Structural design actions - General principles
- ASNZS 1170.1-2002 Structural design actions – Permanent, Imposed & Other Actions
- ASNZS 1170.2-2021 Structural design actions – Wind Actions
- AS 4100-2020 Steel structures
- AS/NZS 1576.1: 2019 Scaffolding- General Requirements

The following design documentation produced for scaffold/needle installation was reviewed / referenced during the inspection of this structure:

Drawings Reviewed: 4746 Issue B sheets 1-10

Inspection date: 2 Aug 2024

At the time of inspection, the Scaffold was found to be undermined by plumbing excavations for plumbing works at 5 locations along south elevation. Sketches for rectification works and location photos are attached at the end of this report for action by FSS and Principal Contractor.

It is the responsibility of the supplier to ensure that all structural materials provided for the installation are in good working condition so as to not undermine the assumptions made in this assessment.

Ticketed Scaffolders are to undertake the installation of the modification works of the scaffold to ensure compliance with relevant standards and codes of practice. Regular (monthly) inspections by an advanced ticketed scaffold supervisor are to take place to ensure continuing compliance with this assessment.

For, and on behalf of, Hills Engineering Consultants Pty Ltd:



Ranji Premaratne

Consultant Engineer

BSc, MSc, CPEng (Civil/Structural), FIEAust 930937, MICE, MIMStructE

Location 1



scaffold height 7 decks of 3+2





Location 2





Location 3





Location 4







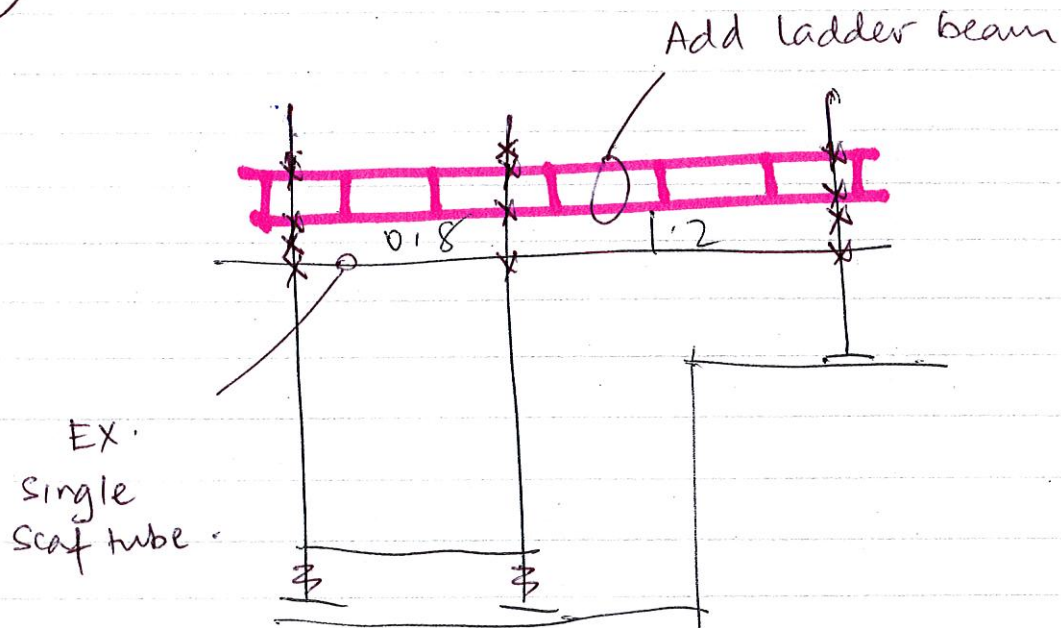
Location 5



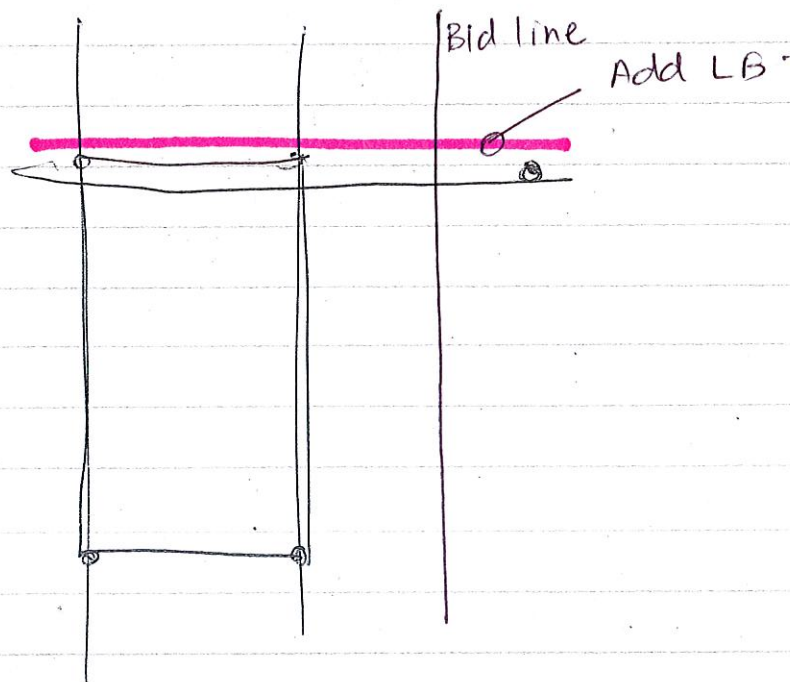


1-7 Anderson Rd Liverpool
South Elevation.

①

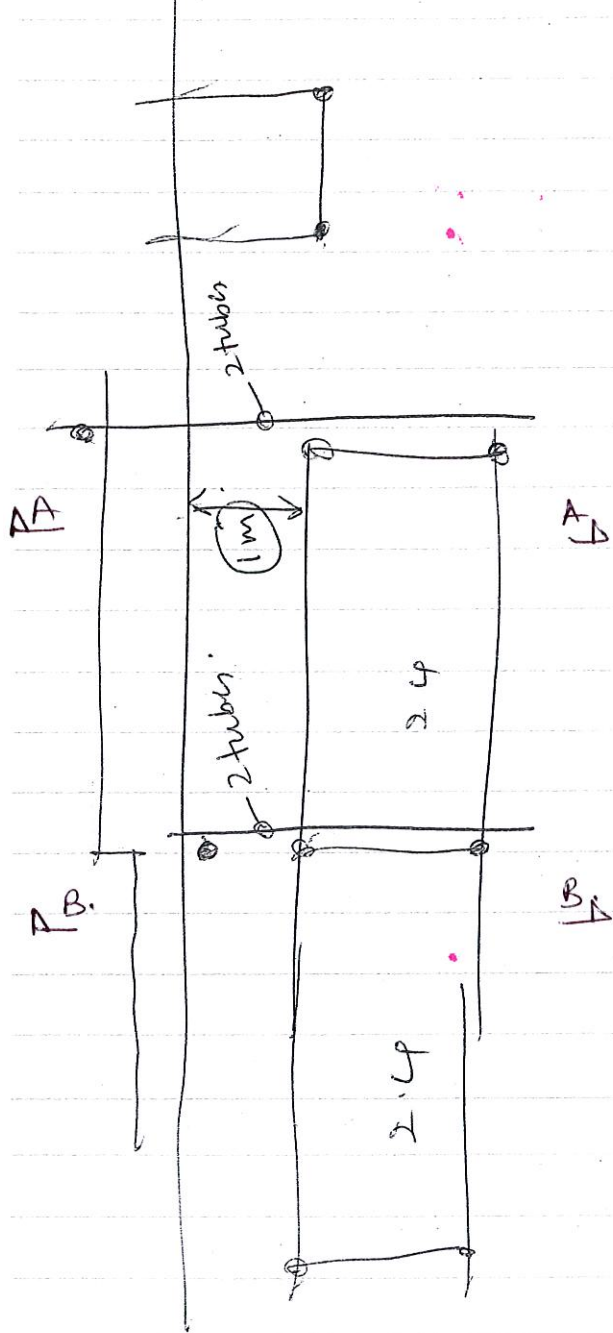


SECTION (NTS)



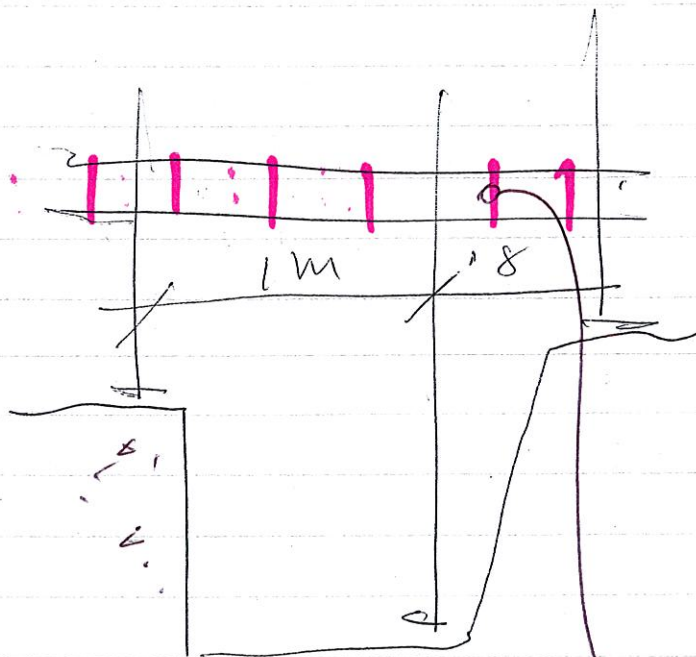
PLAN (NTS)

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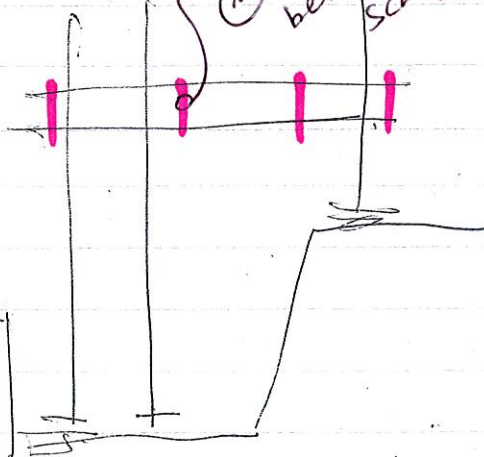
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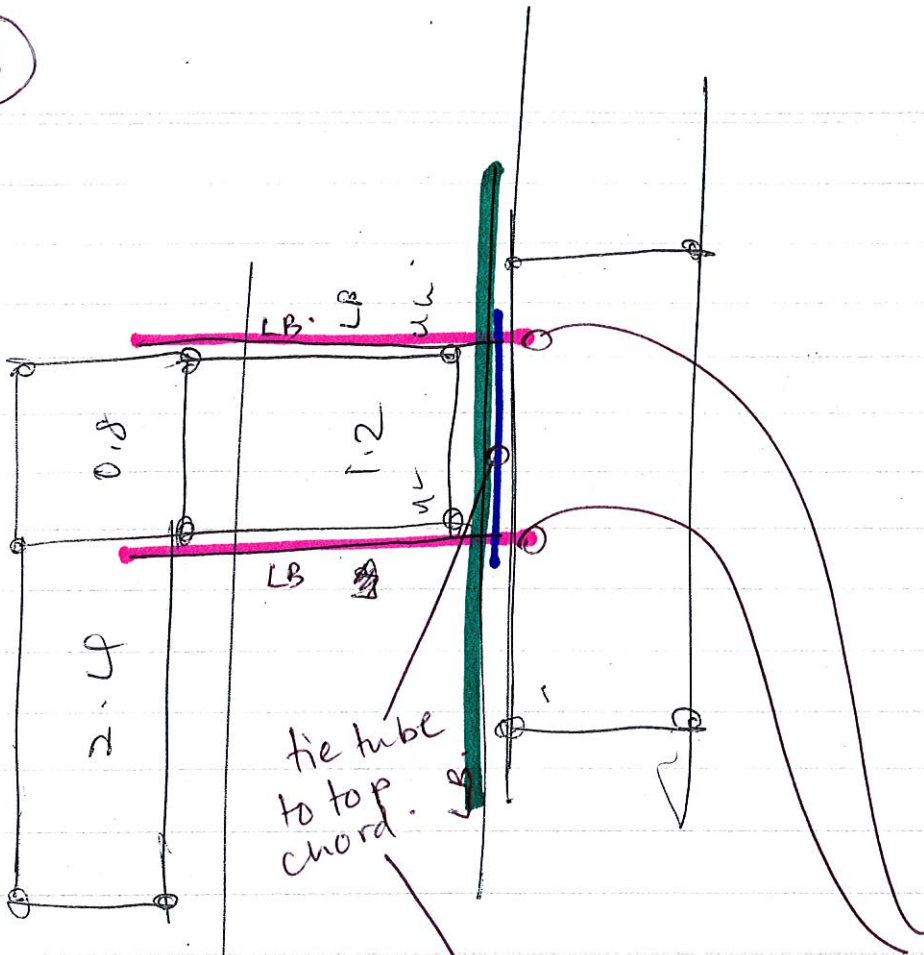
SECTION A (NTS)

Add 600 long
scat tubes + DCS
300 c/c as rungs
between two
scaffold tubes



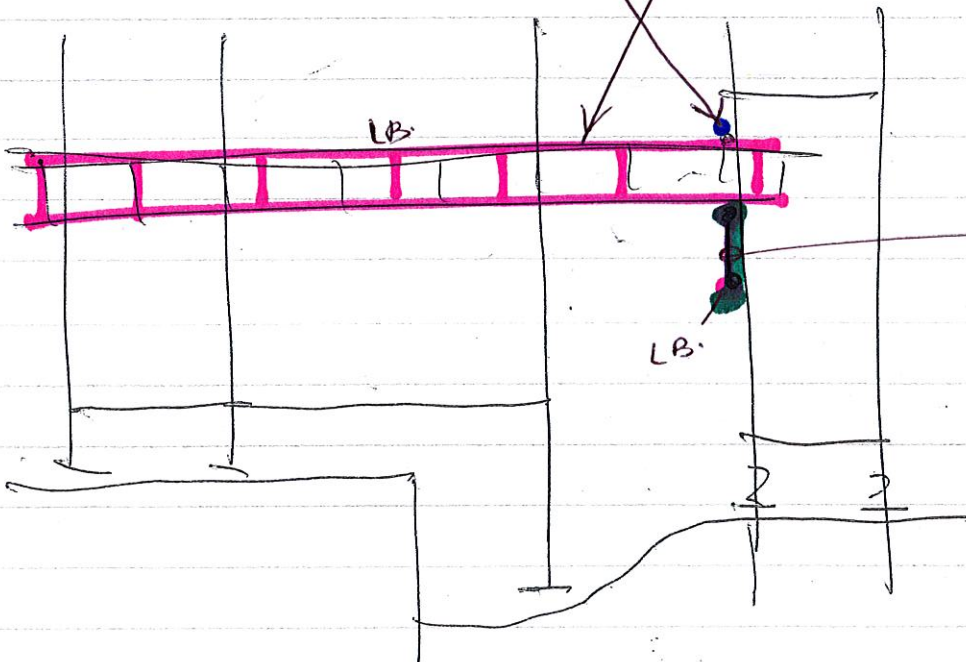
SECTION B (NTS)

3



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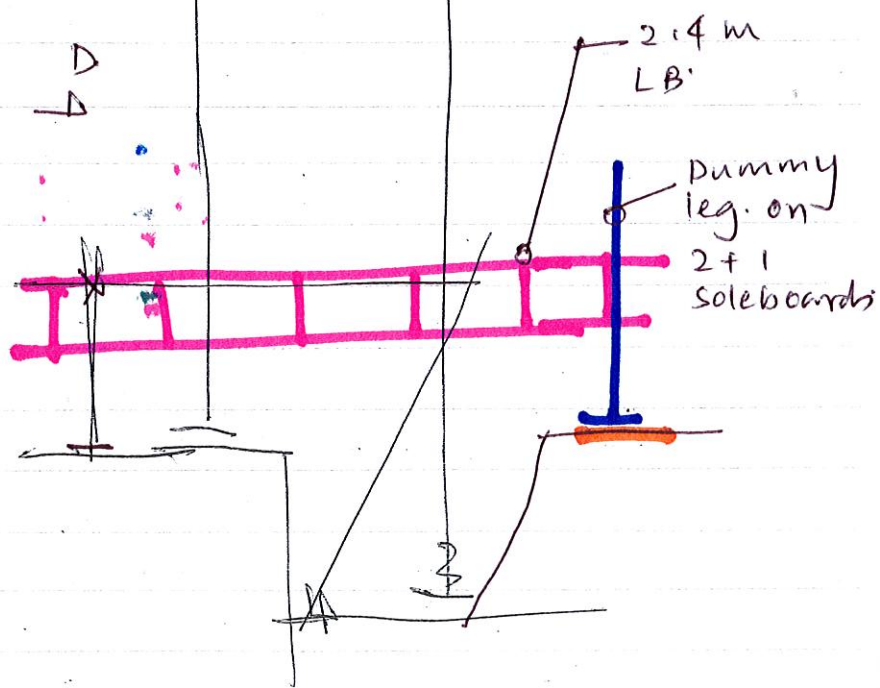
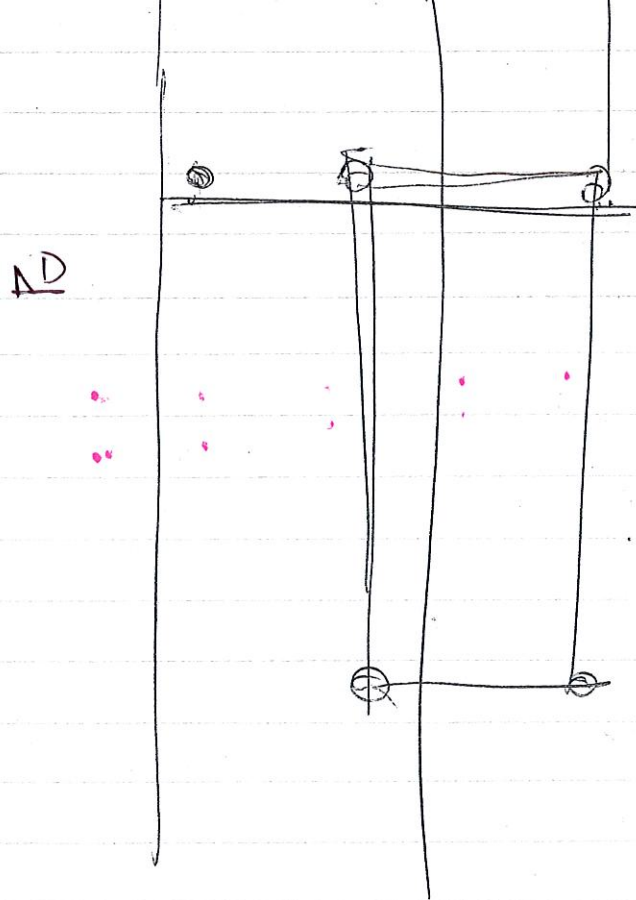
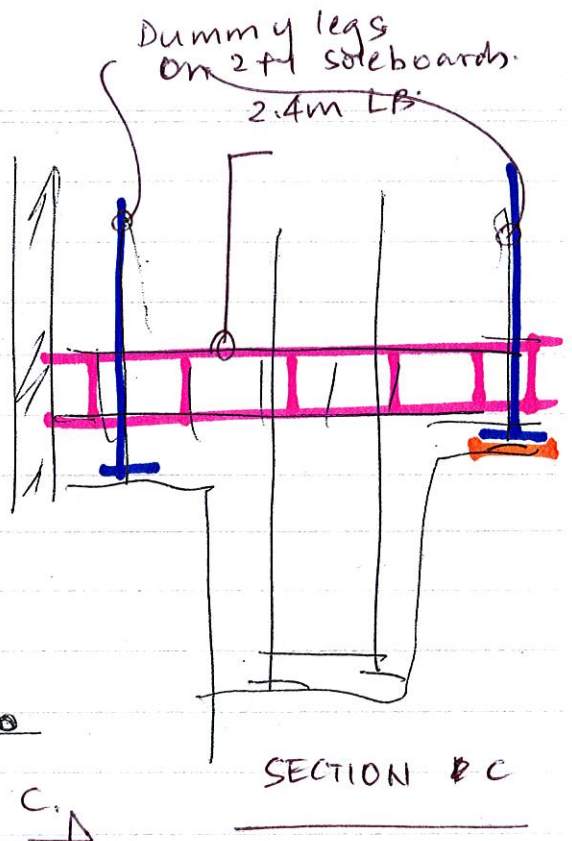
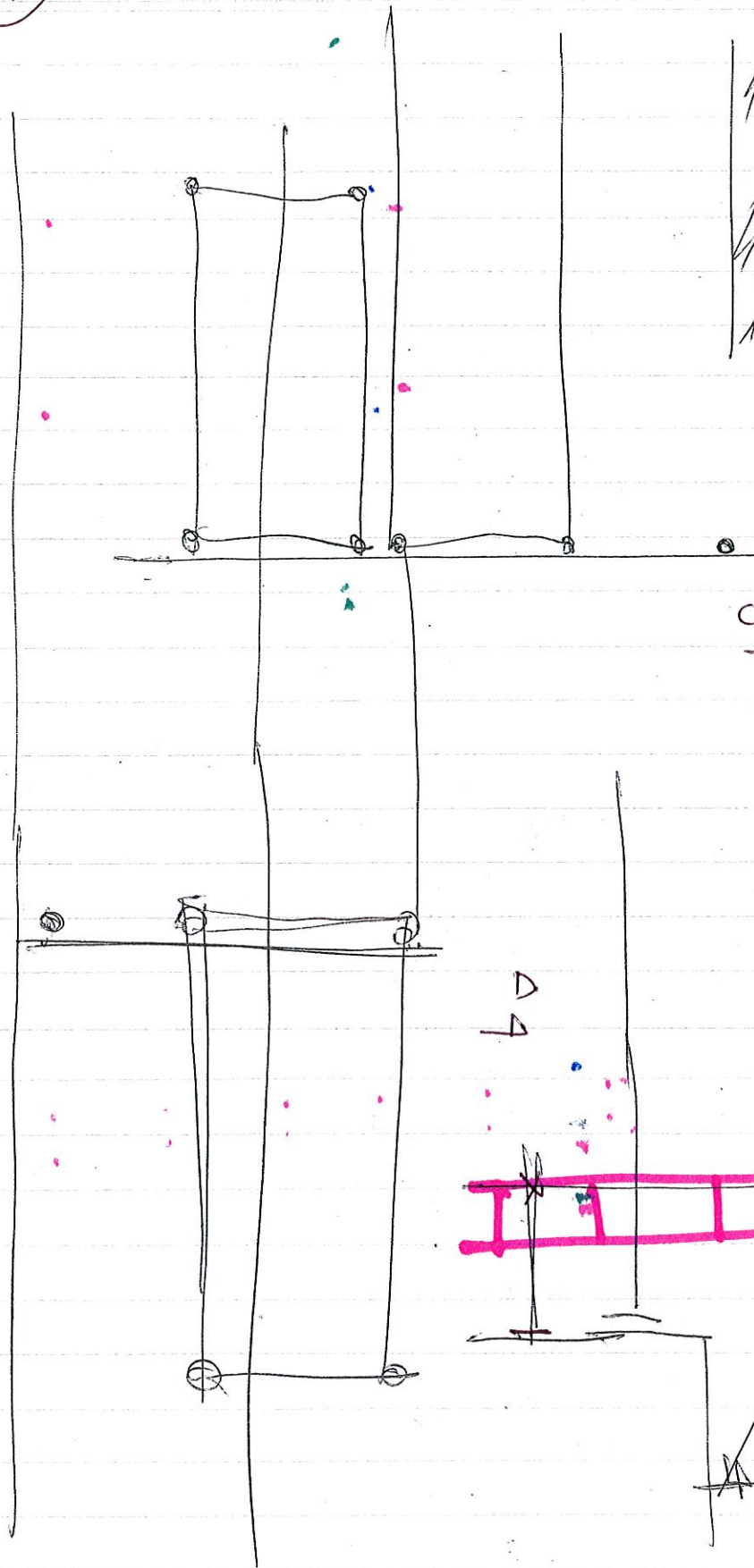
Add two LB.



cross Ladder
beam

SECTION (NTS)

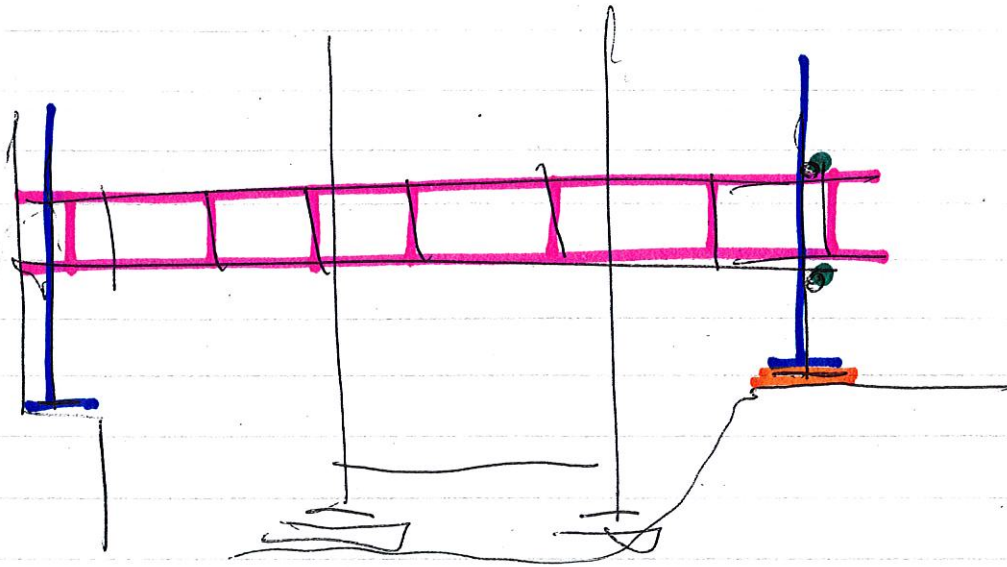
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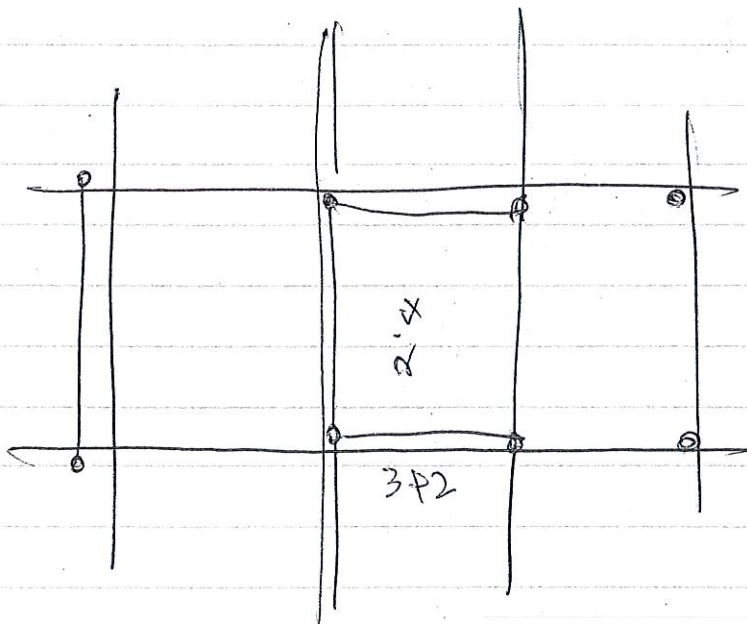
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SECTION D.

5



SECTION (NTS)



PLAN (NTS)