





# **ISLAMIC REPUBLIC OF AFGHANISTAN** Ministry of Agriculture, Irrigation and Livestock

Horticulture Value Chain Development Sectore(HVCDSP)

Grant Number: 0621

**CONTRACT No:** 

On-Form Projects, Potato zero-energy Storage PLAN, SECTIONS AND STRUCTURES





MINISTRY OF AGRICULTURE, IRRIGATION AND LIVE STOCK

CENTRAL PROGRAM MANAGEMENT OFFICE (CPMO) ESTABLISHED UNDER MINISTRY OF LIVESTOCK(MAIL)



HORTICULTURE VALUE CHAIN DEVELOPMEN SECTOR PROJECT (HVCDSP) GRANT NUMBER: 0621

SUB-PROJECT: -

STRUCTURE DRAWING OF Potato Zero-energy Storage

SURVEY DESIGN & CHECKED BY

SURVEYED BY		
DRAWN BY	Shmsuddin Shams	
DESIGN BY	Zakirullah Afghan	
CHECKED BY	Naseebullah Rasooli	

Design Check & Review

Checked By	M. Ibrahim Karimi Ahmad Farid Raaid	
Verified By:		
Approved By	Eng.Ehsanullah "Monib"	

Date Feb 22-2020





## **Key Notes:-**

- 1. All dimensions are in CM, Unless Otherwise Noted.
- 2. Complete Detail Survey and Shop Drawing Should be Prepare before implementation.
- 3. Reinforcement steel should comply with A 615 Grade 60 deformed bars (Fy= 4218 kg/cm<sup>2</sup>
- 4. Structural steel should comply with A 36 (fy=2530 Kg/cm<sup>2</sup>
- 5. All dimensions, elevations and level should be confirmed on the site by the engineers.
- 6. Location of Structures, Setting out to be confirm by the engineer before of construction.
- 7. All Structures should be rest on firm and virgin Soil, pocket of loose Soil Should be removed and replaced with granular material (Satisfactory or Select material if required).
- 8. Use concrete M20, for Concrete post construction and M15 for foundation of start and end posts with Specified Strength of 20 N/mm<sup>2</sup>, 15 N/mm<sup>2</sup>.
- 9. Mix Design Should be done as per ACI 211and Verified before Casting and approved by engineers.
- 10. Fresh Placed Concrete Shall be protected from rain, dust and Sun rays.
- 11. Exposed concrete surfaces to be steel trowel or fair faced.
- 12. Clean Sand and Gravel should be used and water Should be potable.
- 13. All Compaction and Earthen Works Shall be refer to technical Specification attached as annex.
- 14. while deviation from design drawings, please take approval of Contracting authority.
- 15. All Structures work should be cured minimum for 7 days consequently.









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CENTRAL PROGRAM MANAGEMENT OFFICE CPMO) ESTABLISHED UNDER MINISTRY OF AGRICULTURE IRRIGATION AND LIVESTOCK(MAIL)



#### PROJECT: -

HORTICULTURE VALUE CHAIN DEVELOPMEN' SECTOR PROJECT (HVCDSP) GRANT NUMBER: 0621

HVCOSE

SUB-PROJECT

RAWING:

STRUCTURE DRAWING OF Potato Zero-energy Storage

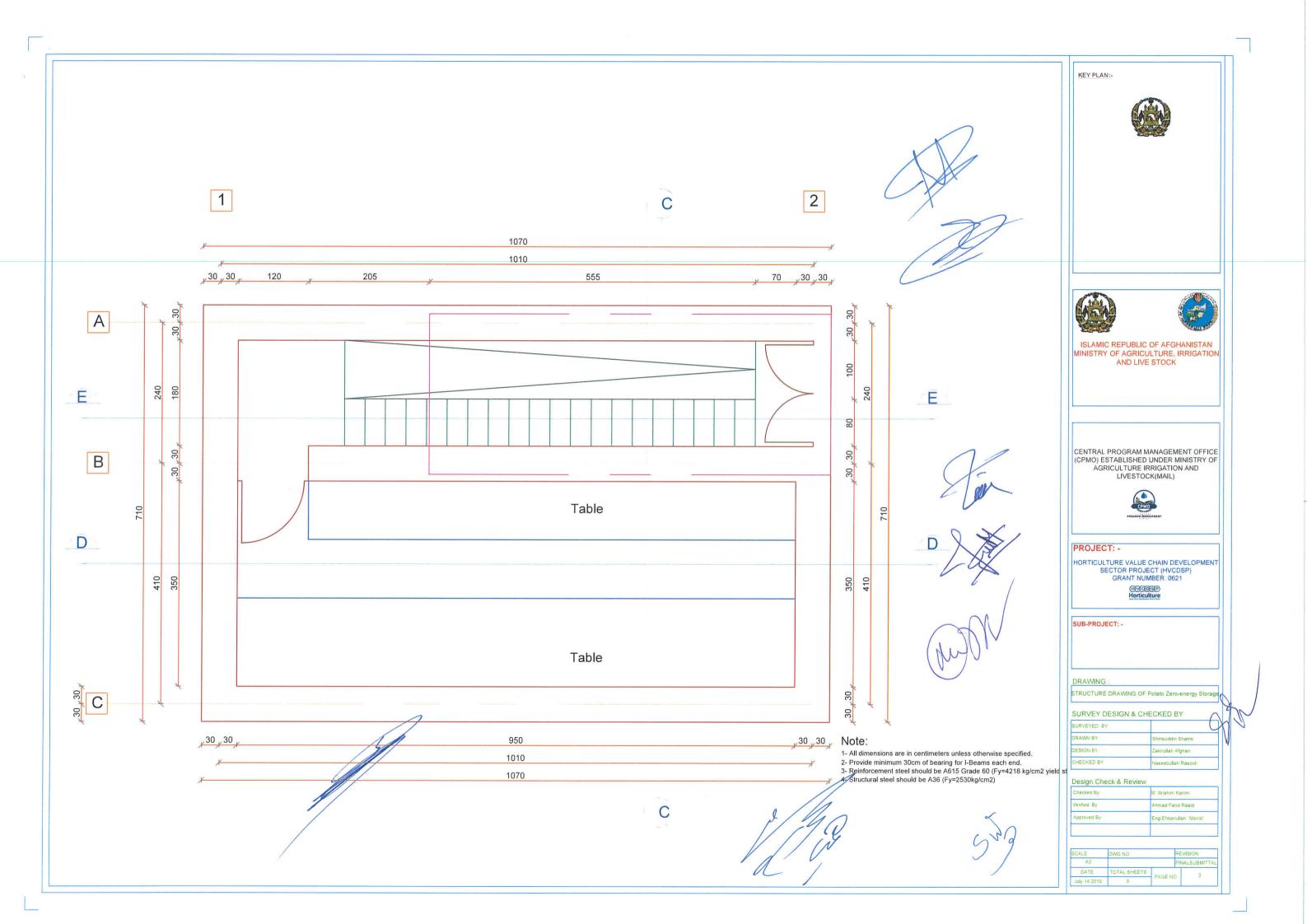
SURVEY DESIGN & CHECKED BY

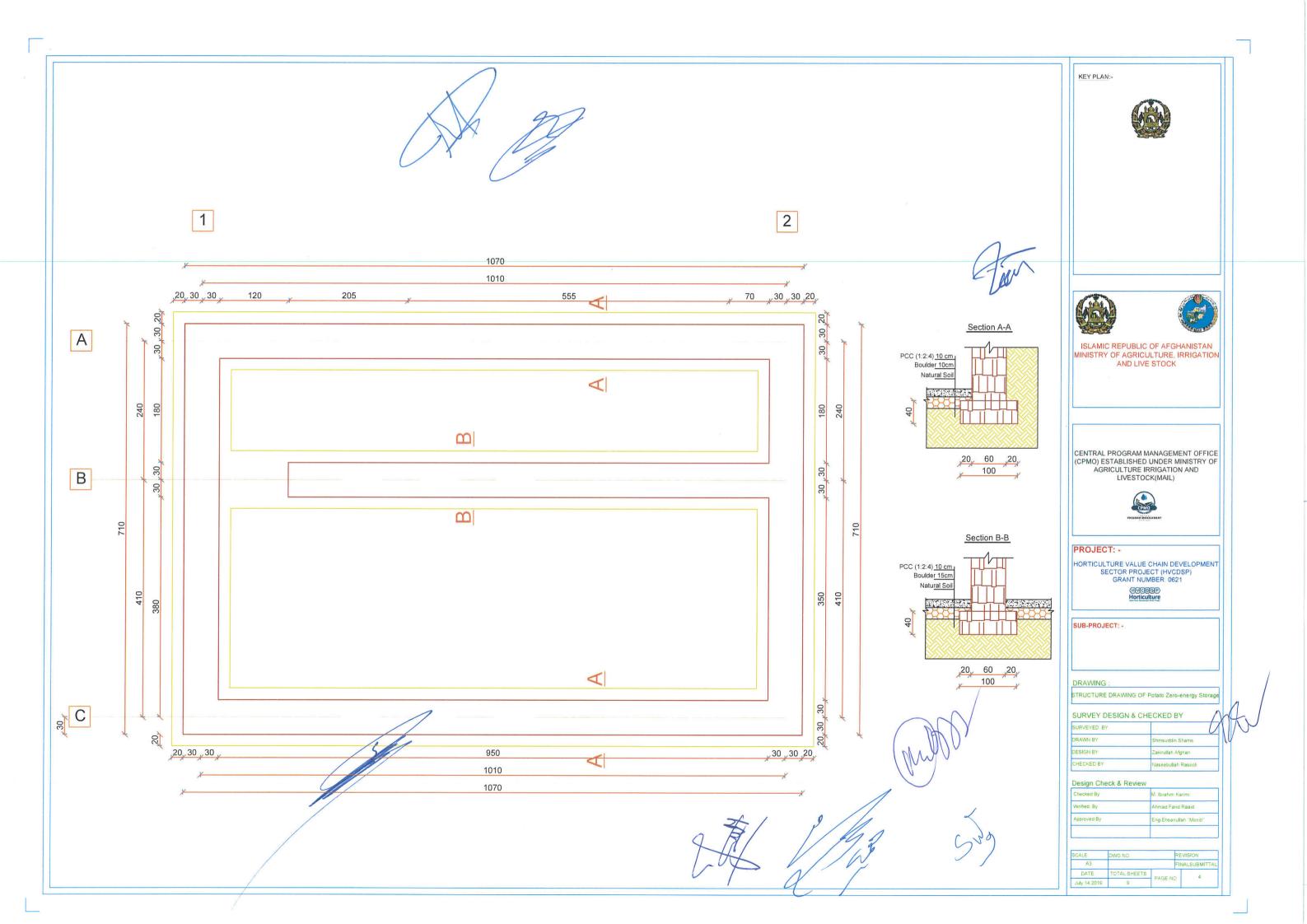
SURVEYED BY	3
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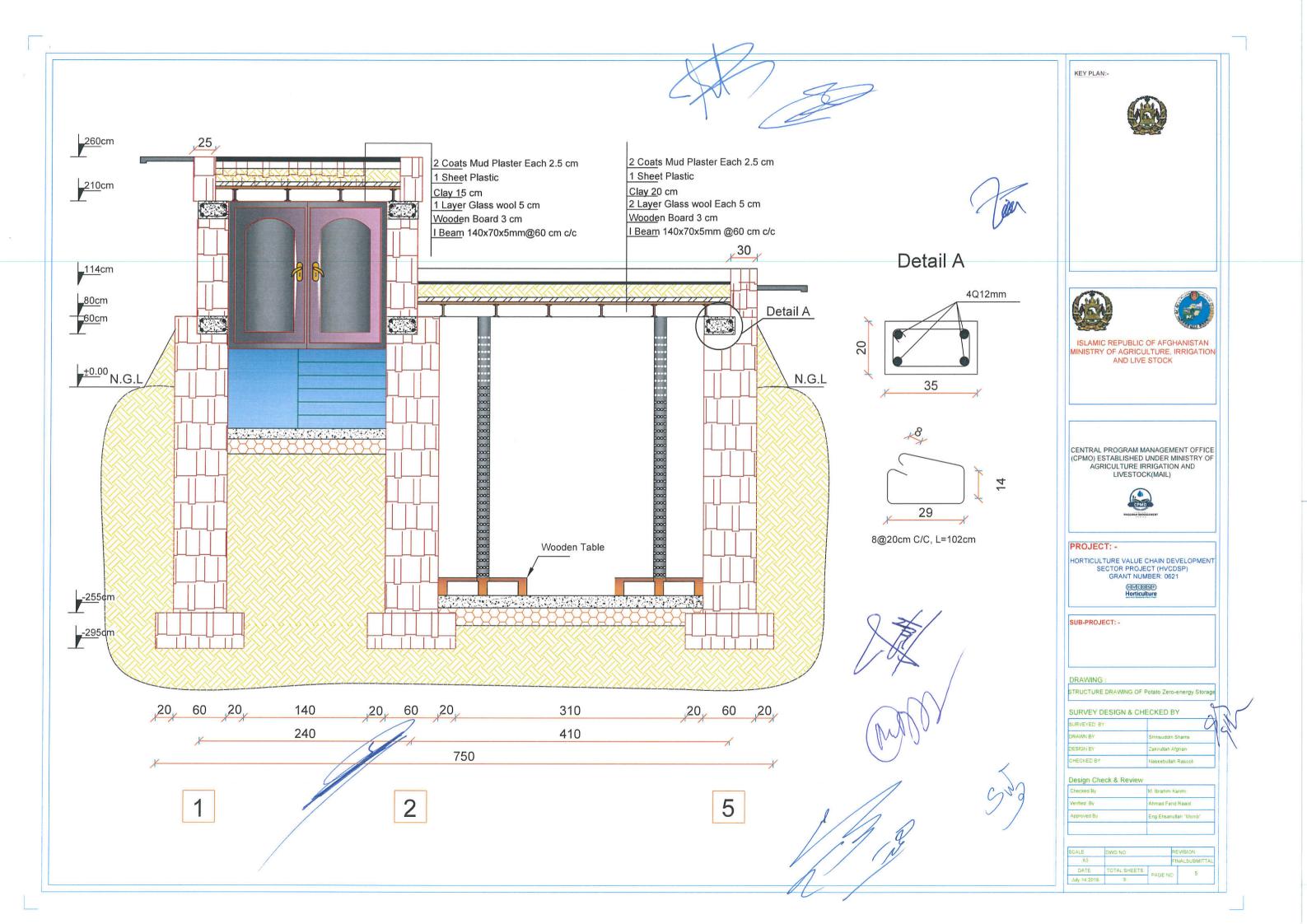
Design Check & Review

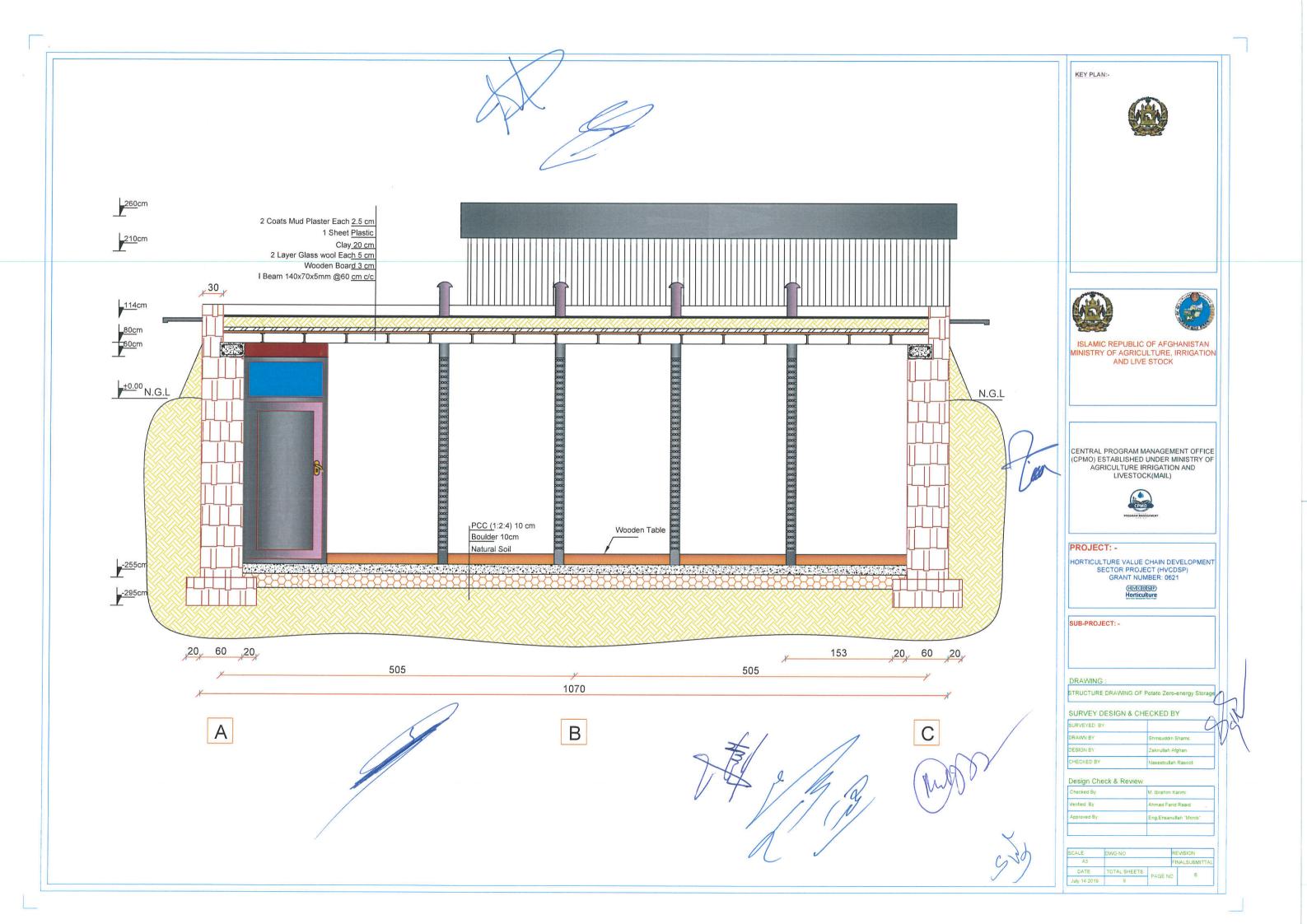
Checked By	M. Ibrahim Karimi
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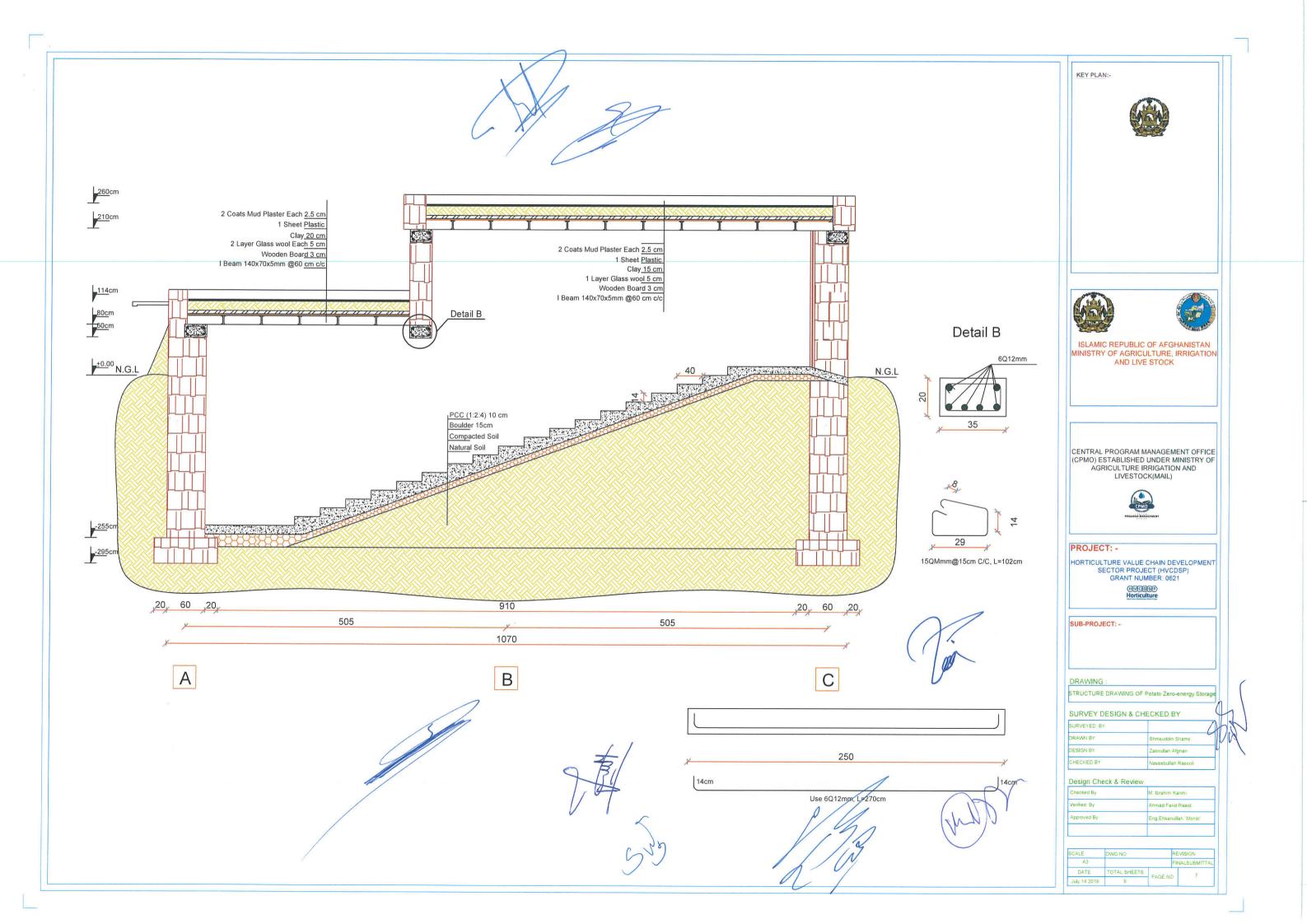
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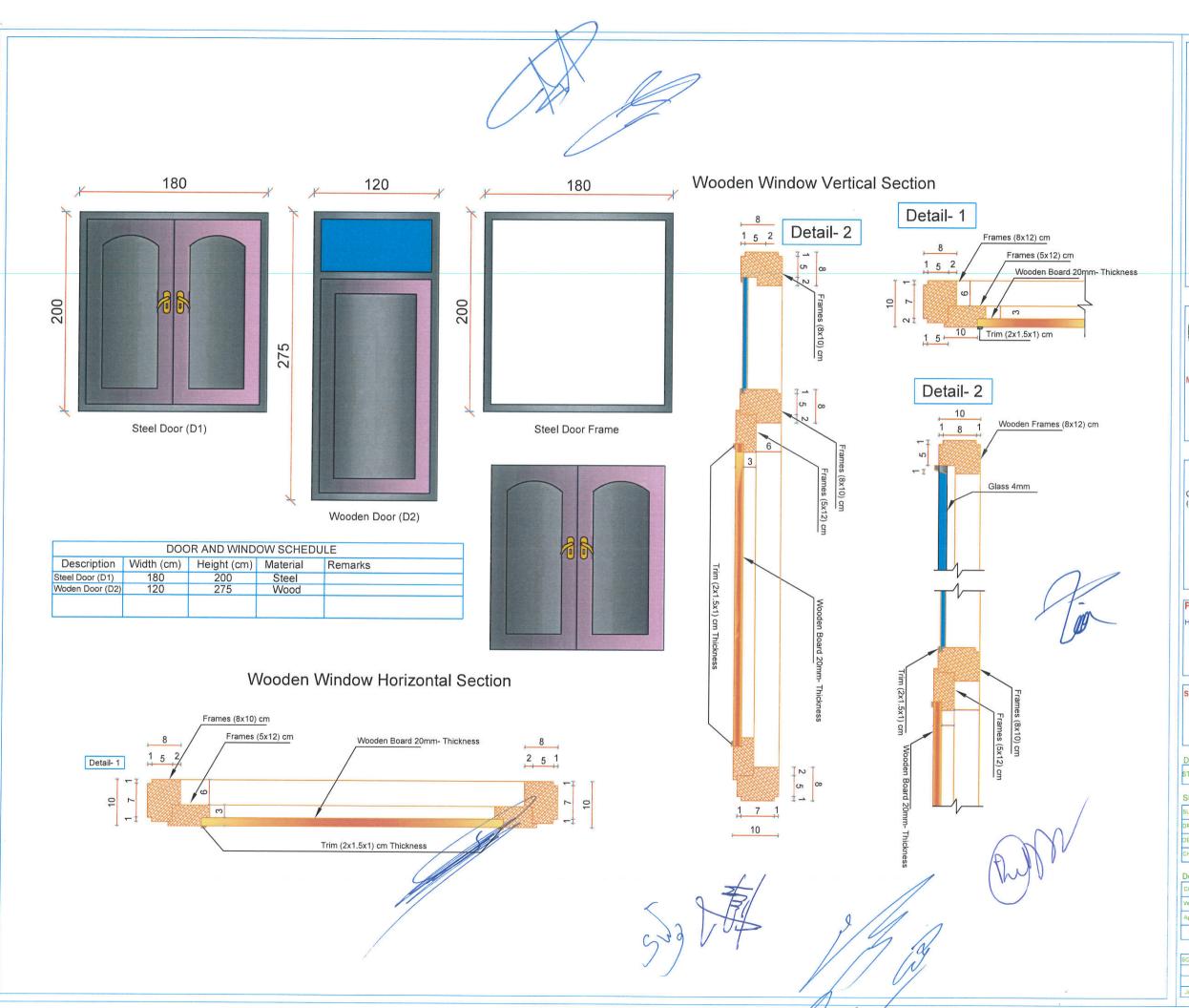












KEY PLAN:-







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CENTRAL PROGRAM MANAGEMENT OFFICE (CPMO) ESTABLISHED UNDER MINISTRY OF AGRICULTURE IRRIGATION AND LIVESTOCK(MAIL)



### PROJECT: -

HORTICULTURE VALUE CHAIN DEVELOPMENT SECTOR PROJECT (HVCDSP) GRANT NUMBER: 0621

Horticulture

## SUB-PROJECT: -

DRAWING:

STRUCTURE DRAWING OF Potato Zero-energy Storage

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