

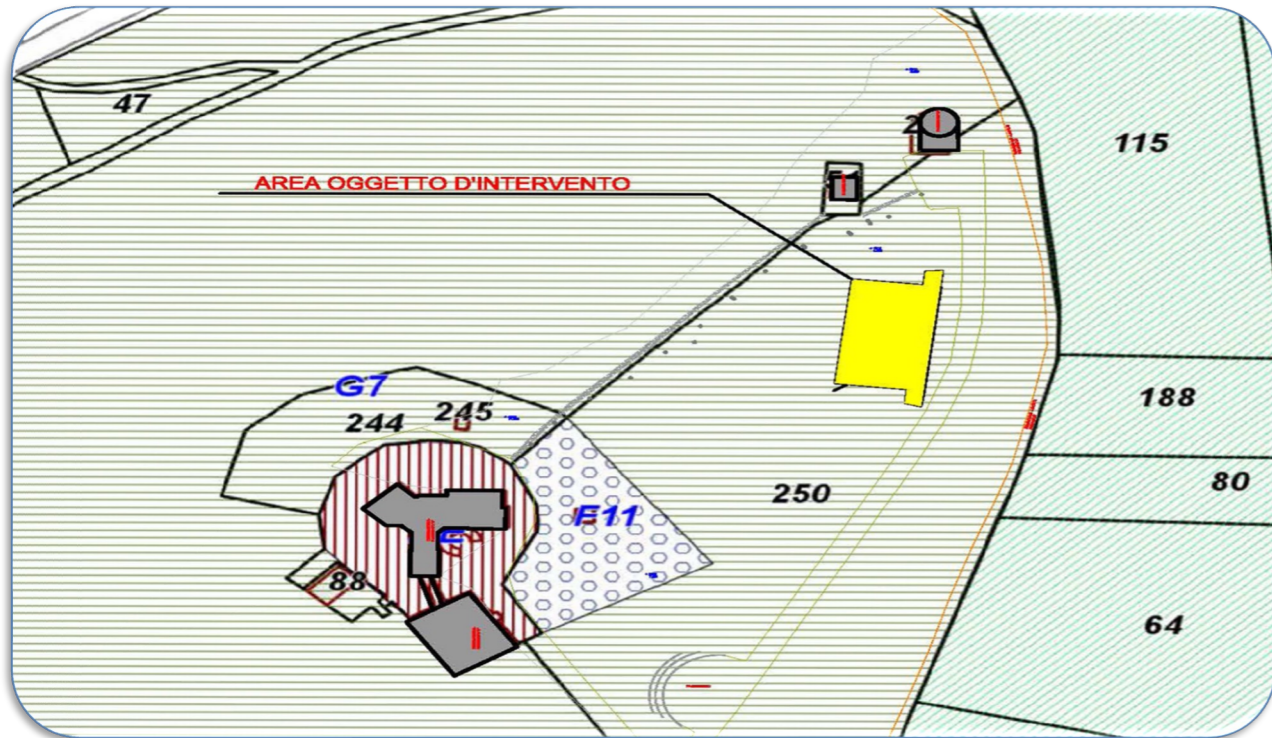
2° Forum della Ricerca Sperimentale e Tecnologica

Construction of a new advanced technology laboratory for Adaptive Optics at INAF - Abruzzo Astronomical Observatory

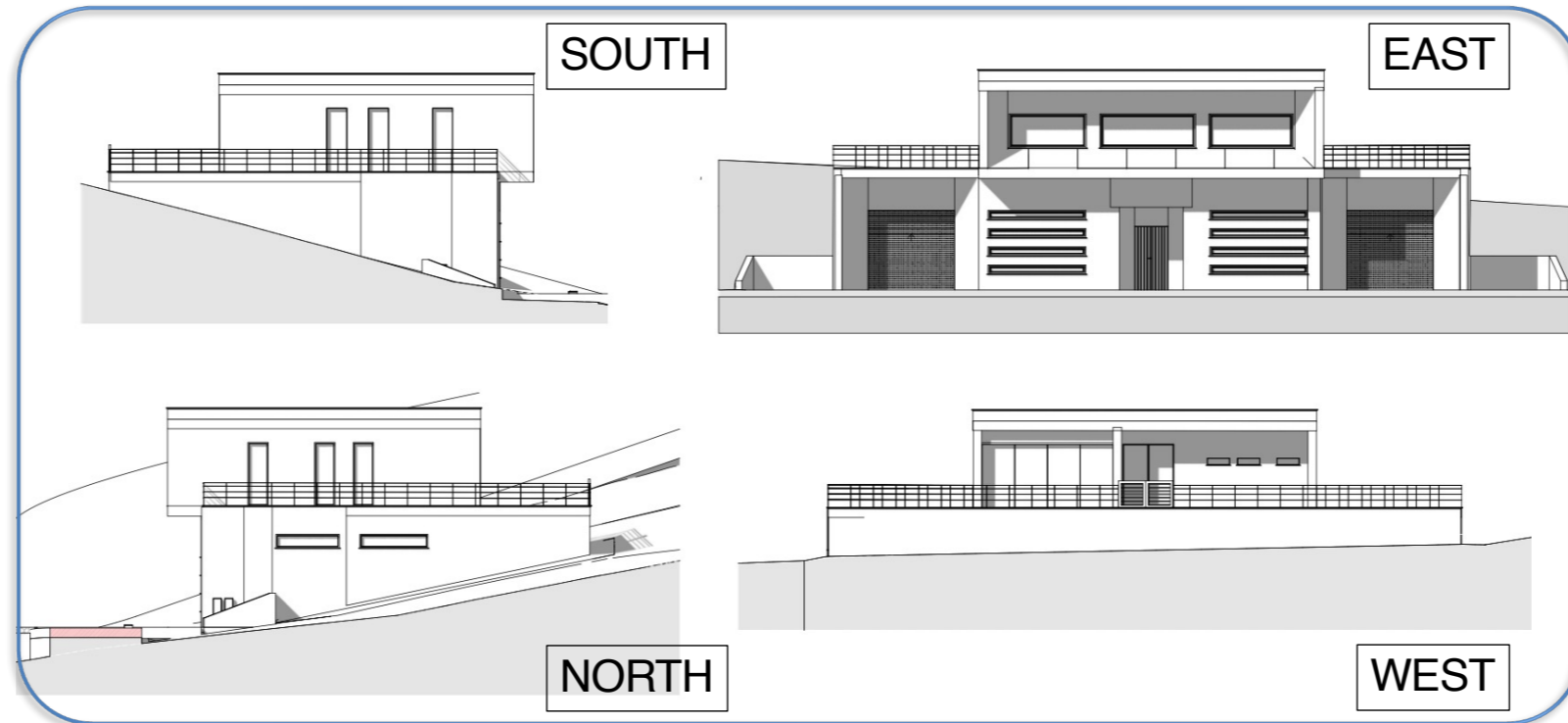
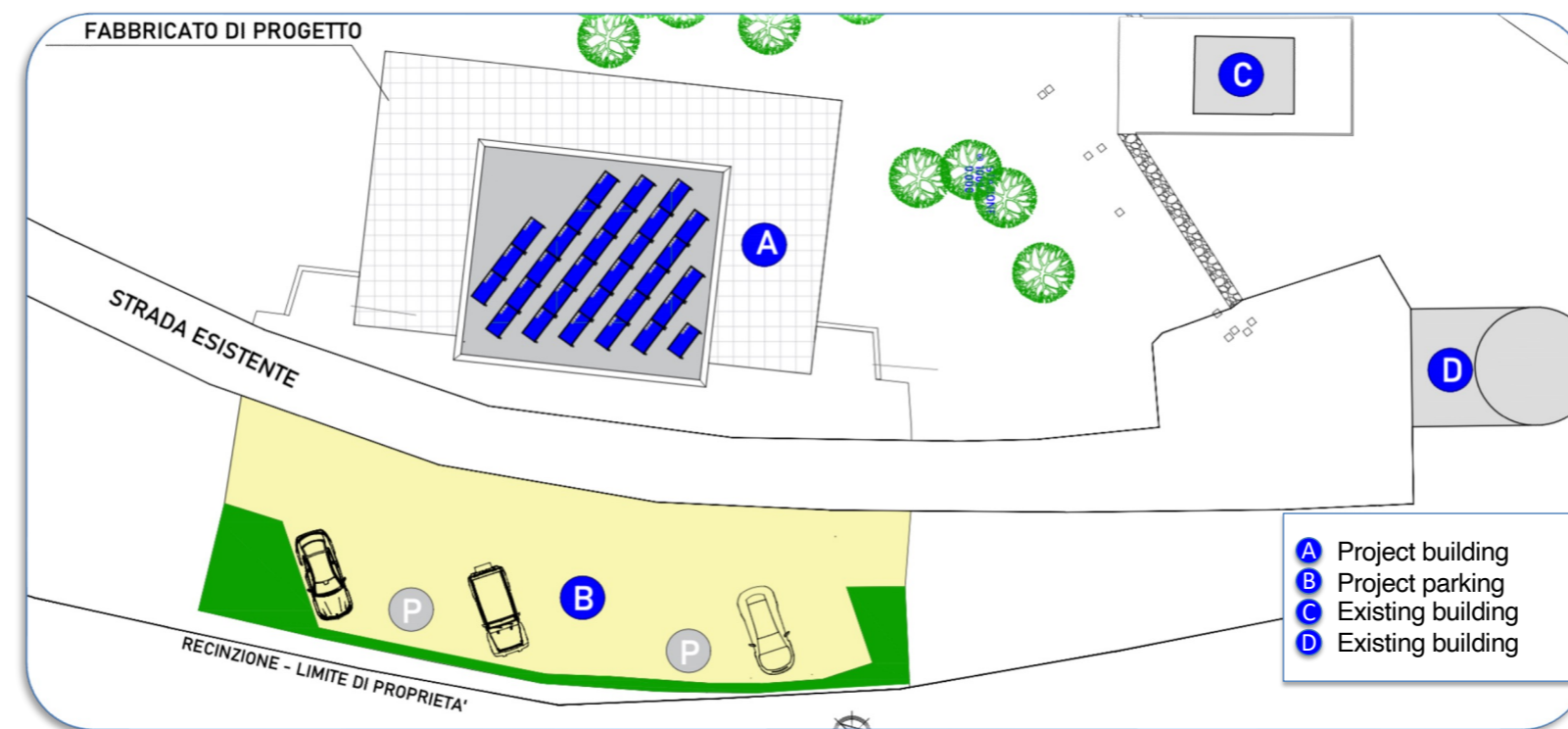
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INAF – OAb, ADONI National Lab

Establishing a new national facility to support INAF leadership in international Adaptive Optics (AO) projects for the development and calibration of ELT instrumentation within the ADONI National Lab framework.

TERRITORIAL FRAMEWORK



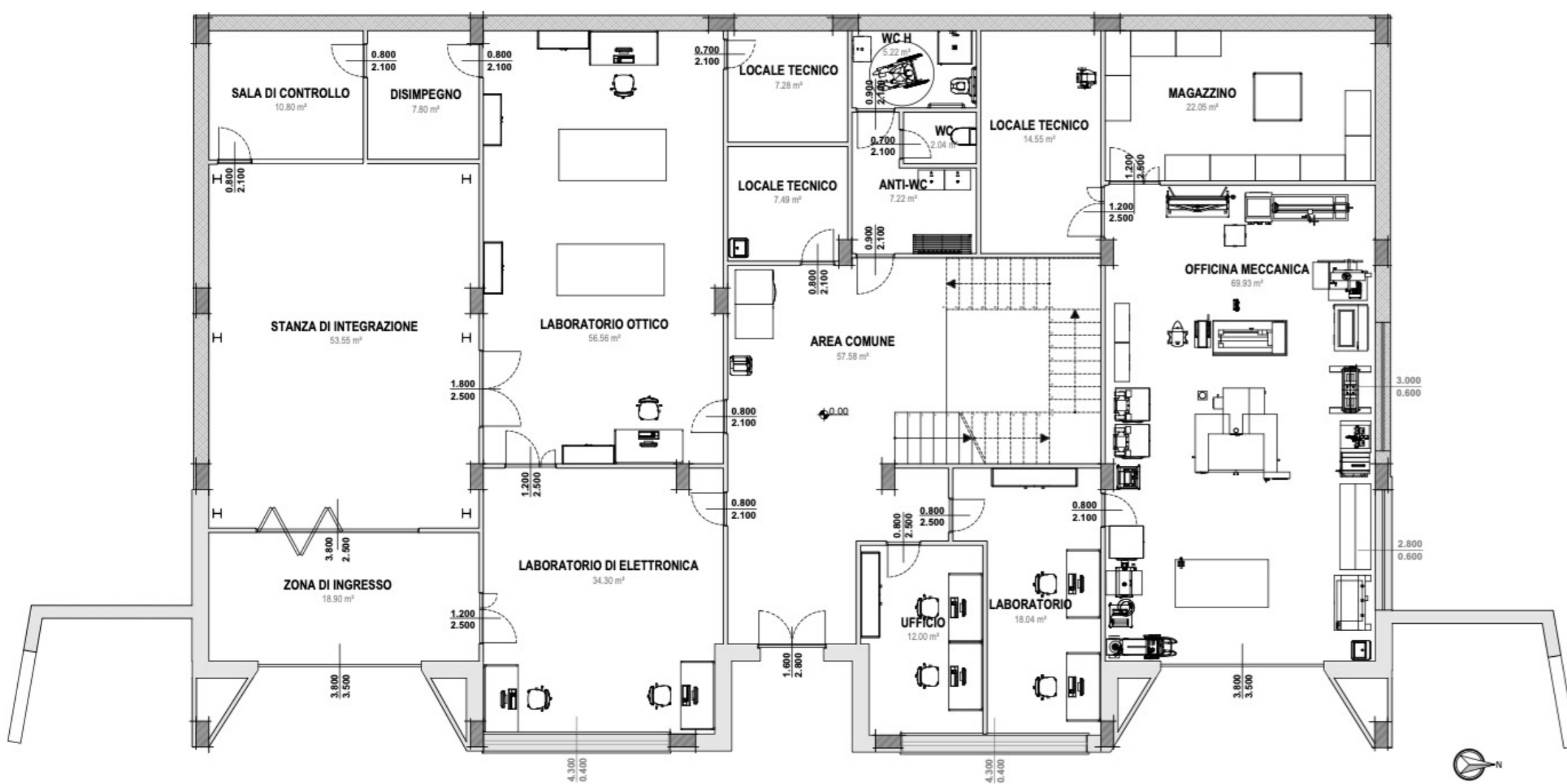
VIEWS



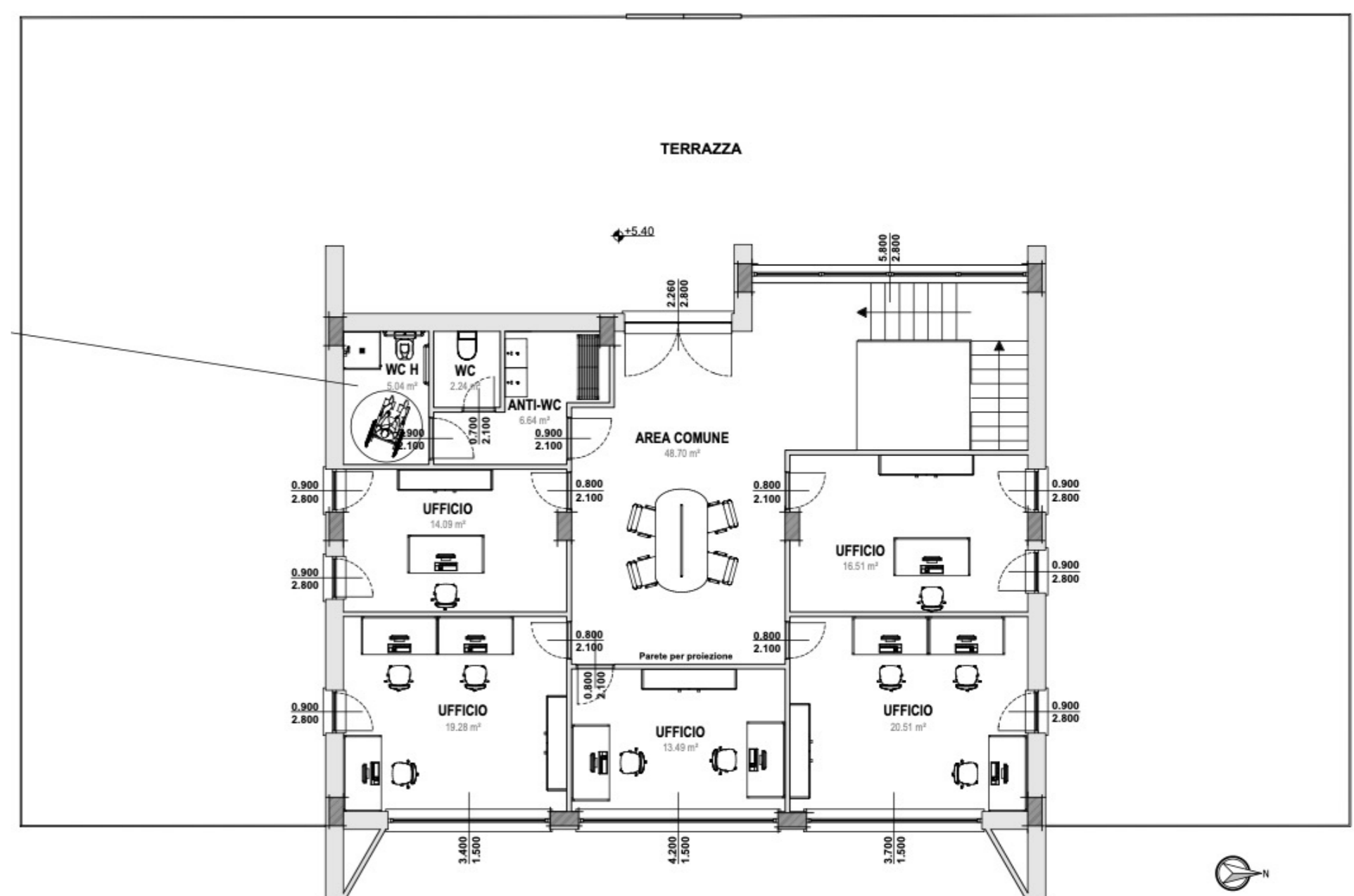
RENDER



GROUND FLOOR – LABORATORY FLOOR $\cong 440 \text{ m}^2$ - h 4,50 m



FIRST FLOOR – OFFICE FLOOR $\cong 200 \text{ m}^2$ - h 3,00 m



Integration Room
thermo-controlled clean room (ISO-7) for large instruments integration, test and verification.

Optics Lab
high-accuracy metrology equipment, experimental test benches.

Electronics Lab and Fab Lab
control electronics, models and prototypes.

Mechanical Workshop
Manufacturing & high precision CNC Machining.

Office Floor
workstations and meeting room.

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Proposta progettuale: IR0000034 STILES "Strengthening the Italian leadership in ELT and SKA", ammessa a finanziamento nell'ambito degli "Interventi" previsti dalla "Missione 4", denominata "Istruzione e Ricerca", "Componente 2", denominata "Dalla Ricerca alla Impresa" ("M4C2"), "Linea di Investimento 3.1", denominata "Fondo per la realizzazione di un sistema integrato di infrastrutture di ricerca e innovazione", del "Piano Nazionale di Ripresa e Resilienza" ("PNRR").- Finanziato dall'Unione europea – NextGenerationEU. Avviso n. 3264 28-12-2021 PNRR M4C2 - investimento 3.1, IR0000034 STILES CUP: C33C22000640006, WP6000, ATT6401