MATERIAL SPECIFICATIONS

CONCRETE:
- FOOTINGS & FOUNDATIONS: f'c = 4,000 PSI, NORMAL WEIGHT
- PODIUM SLAB: f'c = 5,000 PSI, NORMAL WEIGHT
- TOPPING SLAB: f'c = 3,000 PSI, LIGHTWEIGHT

REINFORCING STEEL:
- DEFORMED BARS: ASTM A615, GRADE 60
- WELDED WIRE FABRIC: ASTM A1064

STRUCTURAL STEEL:
- WIDE FLANGE: ASTM A992, Fy = 50 KSI
- HSS / TUBE: ASTM A500 GRADE C
- ANGLES / CHANNELS: ASTM A36

WOOD FRAMING:
- STUDS: SPF #2 OR BETTER, KILN-DRIED
- ENGINEERED JOISTS: TJI / LVL PER STRUCTURAL DRAWINGS
- PLYWOOD SHEATHING: APA RATED, EXPOSURE 1
- TREATED SILL PLATES: CCA OR ACQ PRESSURE-TREATED

MASONRY:
- CMU: ASTM C90, f'm = 1,500 PSI
- MORTAR: TYPE S, ASTM C270

INSULATION:
- BATT: R-21 WALLS / R-38 CEILING (UNFACED)
- RIGID: POLYISO, R-6.5/INCH (CI)
- SPRAY FOAM: CLOSED-CELL, 2 LB DENSITY

REFERENCED STANDARDS & CODES

IBC 2021 International Building Code
IRC International Residential Code
EDITION NOT PROVIDED — BY OTHERS
IPC 2021 International Plumbing Code
IMC 2021 International Mechanical Code
IECC 2021 (reference) International Energy Conservation Code
IFC International Fire Code
EDITION NOT PROVIDED — BY OTHERS
NEC National Electrical Code (NFPA 70)
EDITION NOT PROVIDED — BY OTHERS
NFPA 13 Standard for Installation of Sprinkler Systems
NFPA 13R Sprinkler Systems in Low-Rise Residential Occupancies
NFPA 72 National Fire Alarm and Signaling Code
NFPA 285 Standard Fire Test Method for Exterior Walls
ASCE 7-16 Minimum Design Loads for Buildings
ACI 318-19 Building Code Requirements for Structural Concrete
ACI 301 Specifications for Structural Concrete
EDITION NOT PROVIDED — BY OTHERS
NDS 2018 National Design Specification for Wood Construction
AISC 360 Specification for Structural Steel Buildings
EDITION NOT PROVIDED — BY OTHERS
TMS 402 Building Code Requirements for Masonry Structures
EDITION NOT PROVIDED — BY OTHERS
ASHRAE 90.1 Energy Standard for Buildings
ICC A117.1 Accessible and Usable Buildings and Facilities
ASTM E119 Standard Test Methods for Fire Tests
UL 263 Fire Tests of Building Construction and Materials
ADA Americans with Disabilities Act Standards
OSHA 29 CFR Occupational Safety and Health Standards

SHEET NOTES

1. GENERAL REQUIREMENTS: SPECIFIED IN SECTION 01 10 00.
2. SUBMITTALS: SPECIFIED IN SECTION 01 33 00.
3. MATERIALS: SPECIFIED IN SECTIONS 03 30 00, 06 10 00, 07 21 00.

NOT PROVIDED — BY OTHERS
APPLICANT / OWNER

CONSULTANTS

STRUCTURAL	NOT PROVIDED — BY OTHERS
CIVIL	NOT PROVIDED — BY OTHERS
MECHANICAL	NOT PROVIDED — BY OTHERS
PLUMBING	NOT PROVIDED — BY OTHERS
ELECTRICAL	NOT PROVIDED — BY OTHERS
LANDSCAPE	NOT PROVIDED — BY OTHERS
FIRE PROTECTION	NOT PROVIDED — BY OTHERS
GEOTECHNICAL	NOT PROVIDED — BY OTHERS

REVIEW

Prepared for review by the design professional of record. Not for construction or permit submission.

PROJECT

Architecture.Engineering — L courtyard study

FICTIONAL STUDY: NO REAL PARCEL
ARCHITECTURE.ENGINEERING — L COURTYARD STUDY
OCCUPANCY R-2, M · CONSTRUCTION NOT PROVIDED — BY OTHERS · STORIES 4

REVISIONS

MARK	DATE	DESCRIPTION

REGISTER

Project	AE-STUDY-L01
Issue	NOT PROVIDED — BY OTHERS
Date	NOT PROVIDED — BY OTHERS
Drawn	NOT PROVIDED — BY OTHERS
Scale	NTS
Phase	CONSTRUCTION DOCUMENTS

OPEN ISSUE

The set's open issue is stated on the cover, G0.01.

MATERIAL SPECIFICATIONS & REFERENCED STANDARDS

SHEET

G0.10