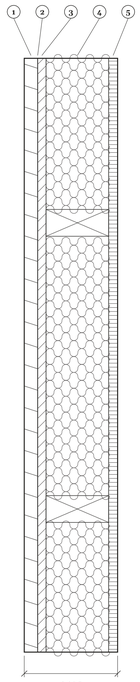
E1 EXTERIOR WALL ASSEMBLY (EXTERIOR WALL, NON-RATED, 2X4)

SCALE: 3" = 1'-0"

0" 3" 6" 9" 1'-0"



CONSTRUCTION ASSEMBLY
NOT PROVIDED — BY OTHERS

TESTED FIRE RESISTANCE RATING
NON-RATED

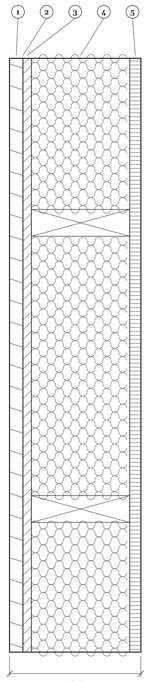
COMPONENTS

1 WOOD BEVEL LAP SIDING - 0.75 IN.
2 WEATHER-RESISTIVE BARRIER, TWO LAYERS
3 15/32 IN (NOMINAL 1/2 IN) WOOD STRUCTURAL PANEL SHEATHING - 0.469 IN.
4 2X4 WOOD STUDS AT 16 IN O.C. - 3.5 IN.
5 1/2 IN GYPSUM BOARD - 0.5 IN.
U U-FACTOR 0.064 (R 15.7), SERIES PATH - VERIFY LOCALLY

E2 EXTERIOR WALL ASSEMBLY (EXTERIOR WALL, 1-HR, 2X6)

SCALE: 3" = 1'-0"

0" 3" 6" 9" 1'-0"



CONSTRUCTION ASSEMBLY
CALCULATED: IBC 2021 SECTION 722.6.2

TESTED FIRE RESISTANCE RATING
1 HOUR FIRE

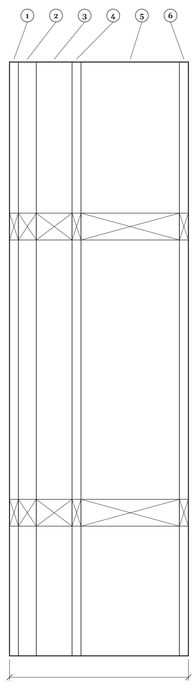
COMPONENTS

1 WOOD BEVEL LAP SIDING - 0.75 IN.
2 WEATHER-RESISTIVE BARRIER, TWO LAYERS
3 15/32 IN (NOMINAL 1/2 IN) WOOD STRUCTURAL PANEL SHEATHING - 0.469 IN.
4 2X6 WOOD STUDS AT 16 IN O.C. - 5.5 IN.
5 5/8 IN TYPE X GYPSUM BOARD - 0.625 IN.
U U-FACTOR 0.042 (R 23.8), SERIES PATH - VERIFY LOCALLY

AE1 EXTERIOR WALL ASSEMBLY (STUDY FIBER-CEMENT PANEL RAINSCREEN)

SCALE: 3" = 1'-0"

0" 3" 6" 9" 1'-0"



CONSTRUCTION ASSEMBLY
NOT PROVIDED — BY OTHERS

TESTED FIRE RESISTANCE RATING
NOT ASSESSED

COMPONENTS

1 FIBER-CEMENT PANEL - 0.5 IN.
2 VENTILATED CAVITY - 1 IN.
3 CONTINUOUS INSULATION - 2 IN.
4 SHEATHING - 0.5 IN.
5 WOOD STUD CAVITY - 5.5 IN.
6 INTERIOR GYPSUM BOARD - 0.5 IN.

CONSTRUCTION NOTES

WALL RATINGS:
Listed assemblies retain their source test references. Authored study assemblies without a test listing have not been verified for fire resistance. Review the held rating basis for each assembly.

SUBSTITUTIONS:
All assemblies must be installed per assembly number. Any substitutions must be submitted to architect for review. Subject to local approval.

INDIVIDUAL ENCASEMENT:
All steel columns must be individually encased the full column length on all sides and protected to 1-hour minimum.

WET LOCATIONS:
Use moisture resistant gypsum board at wet walls of equal fire protection required.

JOINTS:
Gypsum board edges in rated systems must be in moderate contact. Gaps up to 1/4" filled with fire caulk. Gaps over 1/4" not acceptable.

WRB NOTE:
Weather barriers, flashings and connections remain to be selected for the authored exterior wall. Its diagram shows the held layer dimensions only.

SHEET NOTES

1. ASSEMBLIES: SPECIFIED IN SECTIONS 06 10 00, 07 21 00, 09 21 00.
2. ASSEMBLIES AE1, E1, E2: SPECIFIED IN SECTIONS 06 10 00, 07 21 00, 09 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.

CONSTRUCTION ASSEMBLIES — EXTERIOR WALLS

SHEET
A5.4