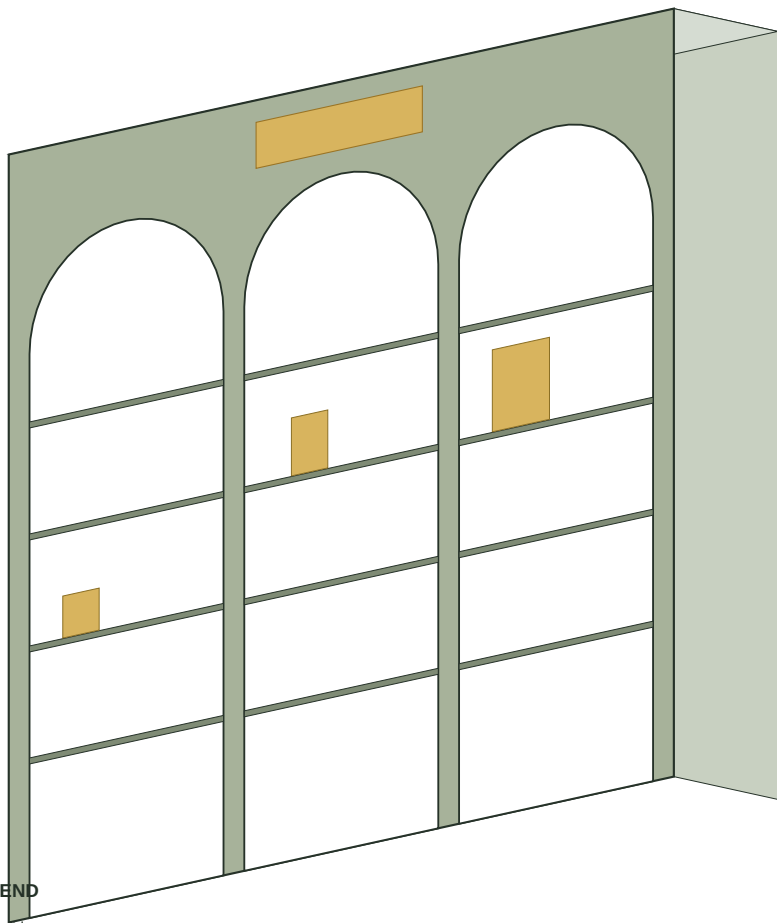


V-M001-01 SHADED ISOMETRIC OVERVIEW



GRAPHIC LEGEND

- Construction solids
- Product envelope
- Decorative proxy
- Prototype placeholder
- Excluded/pending

Exact manufacturer CAD geometry: none; verified dimensions are product envelopes.

MODEL BASIS

STEP file is neutral importable CAD B-rep solid geometry; it does not preserve native parametric feature history.
Protocol: AP214. STEP length unit entity declares SI millimetres; model coordinates are exported in millimetres.
Origin: lower-left rear plane. Right-handed axes: X width, Y rear-to-front depth, Z vertical AFF.
Model status: coordinated editorial prototype/design model, not site verified.
Physical bounding box after unit conversion: 96 x 15 x 96 in [2438.4 x 381.0 x 2438.4 mm].

STEP VALIDATION SUMMARY

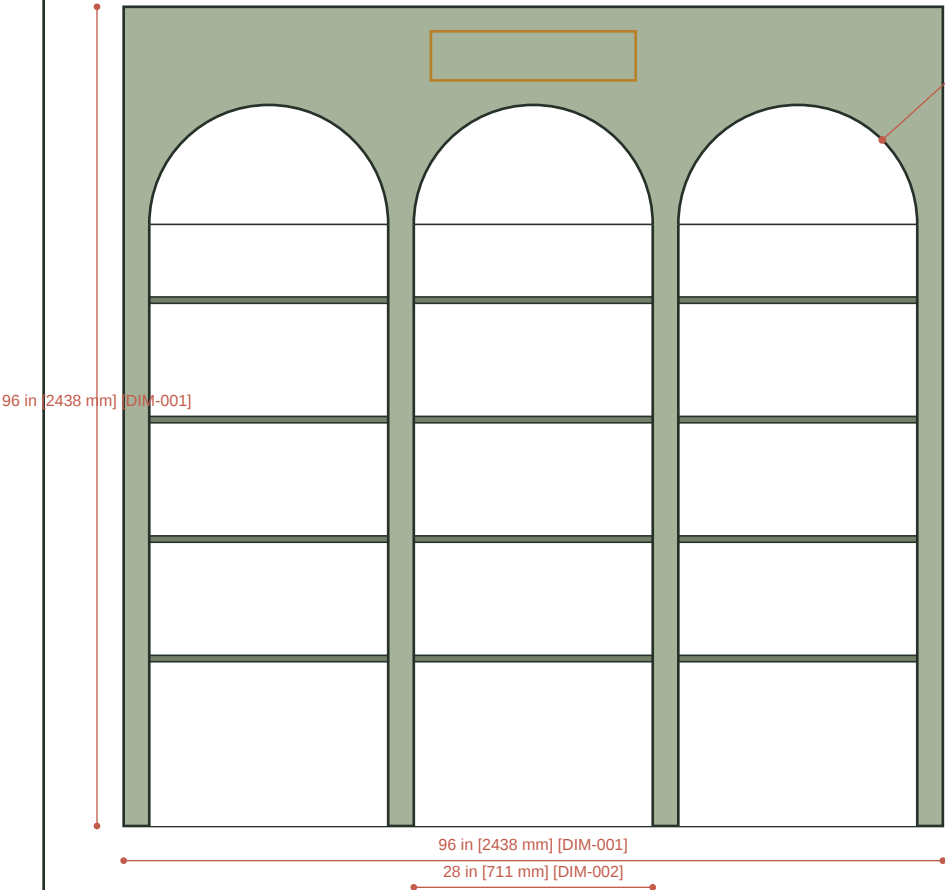
Schema	AUTOMOTIVE_DESIGN { 1 0 10303 214 1 1 1 1 }
Length unit	millimetre
File size	854545 bytes
Imported solids	50
Closed shells	50
Advanced faces	294
Mesh entities	0
External refs	0
Analytic entities	CIRCLE 14 / CYL 5
Validation result	PASS

Raw bbox: 0,0,0 to 2438.4,381.0,2438.4 STEP units
Converted: 0,0,0 to 96,15,96 in; unit consistency PASS

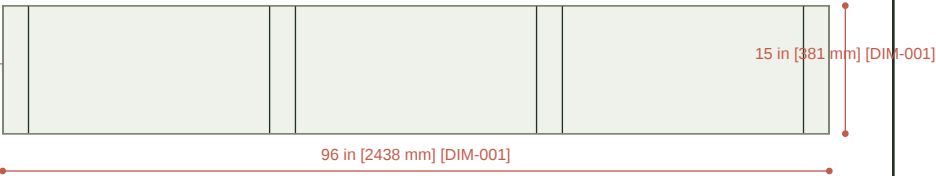
AUTHORITATIVE 3D SHEET / VIEW INDEX

M-001 - MODEL OVERVIEW - REV-D	V-M103-01 - CUTAWAY SECTION
V-M001-01 - ISOMETRIC OVERVIEW	V-M103-02 - COMPONENT REGISTER
M-102 - ORTHOGRAPHIC VIEWS - REV-D	M-104 - ANALYTIC AUDIT - REV-D
V-M102-01 - FRONT	V-M104-01 - STEP ENTITY AUDIT
V-M102-02 - TOP / PLAN	M-105 - VISIBILITY MATRIX - REV-D
V-M102-03 - RIGHT SIDE	V-M105-01 - VISIBILITY VIEW
M-103 - SECTION / SCHEDULE - REV-D	V-M105-02 - PROOF MATRIX

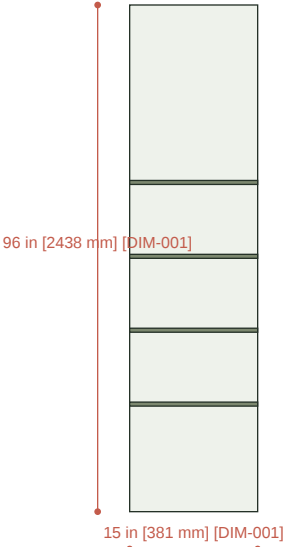
V-M102-01 FRONT MODEL VIEW



V-M102-02 TOP / PLAN MODEL VIEW



V-M102-03 RIGHT SIDE MODEL VIEW



ORTHOGRAPHIC NOTES

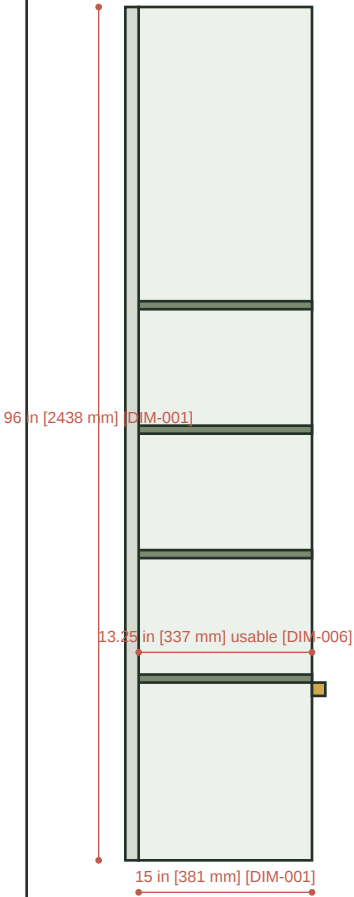
Construction solids and proxy/envelope solids are separable STEP solids with readable names.

Front arched openings use true circular R14 analytic geometry in named STEP face-trim spandrel solids.

Nosing is a bounded placeholder envelope because final 1-1.5 in profile remains pending.

Picture light is represented as verified 24 x 5.75 in flush envelope; projection/electrical are pending.

V-M103-01 CENTER-BAY CUTAWAY / SECTION



SECTION KEY

CMP-002: 1/4 in back panel
CMP-001: 3/4 in carcass/shelves
CMP-003: 3/4 in arched MDF face/trim
CMP-004: placeholder nosing envelope; final profile pending

V-M103-02 COMPONENT / PROXY / EXCLUSION REGISTER

ID	COMPONENT	QTY	REP	MATERIAL / FINISH	STATUS
CMP-002	Back panel	1	solid	1/4 in plywood	drawn
CMP-001	Carcass verticals	4	solid	3/4 in hardwood plywood	drawn
CMP-001	Bay shelves	12	solid	3/4 in hardwood plywood	drawn
CMP-003	Arched face/trim assembly	1 / 7 solids	solid group	3/4 in paint-grade MDF	true R14
CMP-004	Shelf-front nosing	12	placeholder	painted hardwood/MDF	profile pending
PROD-002	Kenyon CW1202BBS	1	envelope proxy	burnished brass	projection/electrical pending
CMP-005	Porcelain plate L	1	decor proxy	blue/cream porcelain	not manufacturer-exact
CMP-005	Porcelain plate R	1	decor proxy	blue/cream porcelain	not manufacturer-exact
CMP-006	Leather books	7	decor proxy	dark leather/oxblood	within 5-8 range
Hagen 5x5	Bronze frame	1	envelope proxy	bronze finish	variant modeled
Hagen 5x7	Brass frame	1	envelope proxy	brass finish	variant modeled
Hagen 8x10	Silver frame	1	envelope proxy	silver finish	variant modeled
Burlwood box	Jewelry box	1	envelope proxy	burlwood	simplified
PROD-005	Chrome candlesticks	0/2	excluded	polished chrome	footprint undocumented
Base/plinth	Site interface	0	excluded	field condition	not locked

ASSUMPTIONS / FIELD VERIFICATION

PMA-001: shelf-front nosing modeled as max-bound placeholder; final 1-1.5 in size/profile remains fabrication selection.
PMA-002: decorative items are simplified proxies only; they are not manufacturer-accurate CAD models.
Field verify actual wall width/height/depth, plumb/level, studs/substrate, anchoring, electrical feed/junction box, adjacent trim/window/curtain conditions, final base/plinth/site scribing, candlestick footprint, and final nosing/base profile.
Compatibility examples only: FreeCAD, SolidWorks, Fusion, Inventor, Onshape, Solid Edge, CATIA, NX, and many CAM/CAD viewers can import STEP.

V-M104-01 SAVED STEP ANALYTIC ENTITY AUDIT

ANALYTIC GEOMETRY REGISTER AND SAVED-STEP VALUE CHECK

AGR	COMPONENT MATCH	SAVED TYPE	AUTH VALUE	RAW STEP	UNIT	REIMP IN	REIMP MM	REQ/FND	RESULT
AGR-001	CMP-003_arched_face_trim_spandrel	CIRCLE+CYL_SURF	R14.000 in	355.600	mm	14.000 in	355.6 mm	3 / 3 comp; 9 ent	PASS
AGR-002	CMP-005_PROXY_porcelain_plate_left	CIRCLE+CYL_SURF	R5.000 in	127.000	mm	5.000 in	127.0 mm	1 / 1 comp; 5 ent	PASS
AGR-003	CMP-005_PROXY_porcelain_plate_right	CIRCLE+CYL_SURF	R4.500 in	114.300	mm	4.500 in	114.3 mm	1 / 1 comp; 5 ent	PASS

SAVED STEP ENTITY INVENTORY

CIRCLE	14	B_SPLINE_CURVE	18
ELLIPSE	0	B_SPLINE_SURFACE	0
CYLINDRICAL_SURFACE	5	POLYLINE	0
CONICAL_SURFACE	0	LINE	1726
TOROIDAL_SURFACE	0	EDGE_CURVE	582
TRIMMED_CURVE	0		

ANALYTIC VALIDATION NOTES

Audit is performed on the saved STEP text and the re-imported STEP model, not on the unsaved source model or PDF graphics.

AGR-001 is satisfied by three named CMP-003 arch-spandrel sub-solids containing saved CIRCLE and CYLINDRICAL_SURFACE entities at R14.0 in [355.6 mm].

AGR-002 and AGR-003 are simplified porcelain proxy cylinders; they are bounded display proxies, not manufacturer-accurate plate models.

The file also contains line entities for planar box edges. No polyline, mesh, tessellated, or B-spline curve/surface substitute is used for the registered exact curves.

UNIT INTEGRITY

Exact STEP length unit entity: #216 = (LENGTH_UNIT() NAMED_UNIT(*) SI_UNIT(MILLI.,..METRE.));

Raw coordinate bbox: 0,0,0 to 2438.4,381.0,2438.4 STEP units.

Declared STEP unit scale: 1 STEP unit = 1.0 mm.

Physical bbox after unit conversion: 96.0 x 15.0 x 96.0 in [2438.4 x 381.0 x 2438.4 mm].

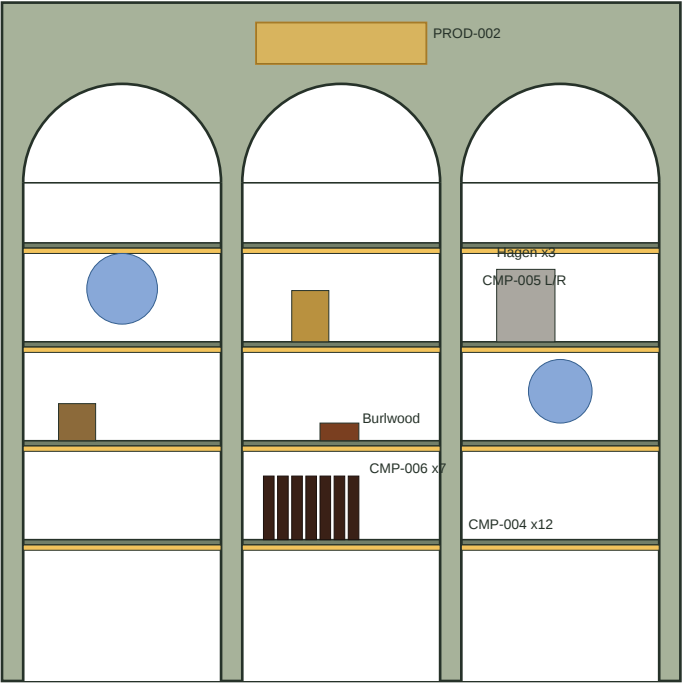
M-105 - VISIBILITY PROOF MATRIX - REV-D

GRAPHIC LEGEND

- Construction solids
- Product envelope
- Decorative proxy
- Prototype placeholder
- Excluded/pending

Exact manufacturer CAD geometry: none; verified dimensions are product envelopes.

V-M105-01 OCCURRENCE VISIBILITY PROOF VIEW



Visibility view accounts for every modeled decorative/product occurrence and prototype placeholder class that is not fully legible in the overview.

V-M105-02 VISIBILITY PROOF MATRIX

ID	ITEM	QTY	REP	VIEW	VISIBLE GEOMETRY	RESULT
CMP-002	Back panel	1	construction	M103 sec	back layer	PASS
CMP-001	Verticals	4	construction	M102 front/plan	4 verticals	PASS
CMP-001	Shelves	12	construction	M102/M105	12 shelf slabs	PASS
CMP-003	Face/arches	7	construction	M001/M102	stiles + arches	PASS
CMP-004	Nosing	12	placeholder	M105/M103	12 orange strips	PASS
PROD-002	Kenyon light	1	prod env	M001/M105	gold envelope	PASS
CMP-005	Plates L/R	2	decor proxy	M105	2 blue circles	PASS
CMP-006	Books	7	decor proxy	M105	7 dark blocks	PASS
Hagen 5x5	Bronze frame	1	prod proxy	M105	bronze frame	PASS
Hagen 5x7	Brass frame	1	prod proxy	M105	brass frame	PASS
Hagen 8x10	Silver frame	1	prod proxy	M105	silver frame	PASS
Burlwood	Jewelry box	1	prod proxy	M105	brown box	PASS
PROD-005	Candlesticks	0/2	excluded	M103/M105	reason listed	PASS
Base/plinth	Site base	0	excluded	M103/M105	not locked	PASS

Matrix is cross-checked against STEP occurrence reconciliation and the M-103 schedule.
Excluded/pending rows intentionally have zero STEP solids and remain listed for review transparency.
Every modeled occurrence class is visible as geometry in at least one named view; no scheduled object exists only as text.

Arched Sage Bookcase with Porcelain and Family Photos
DEL-006 COORDINATED 3D MODEL
COORDINATED EDITORIAL PROTOTYPE / DESIGN MODEL - NOT SITE VERIFIED

REVISION / DATE
REV-D / 2026-09-16

UNITS
PRIMARY DESIGN UNIT: INCHES; STEP

USE DIMENSIONS - DO NOT SCALE
DECLARED UNIT: MILLIMETRES
M-105