PARISIAN CHRISTMAS

Three-flat scenic facade with serviceable windows



REV E - DXF + PNG FABRICATION FILES

Adds 52 DXF operations, matching PNGs and five stepped ornament relief maps. See X00-X09. Keep the original horse shape and scale. The upper facade roof is printed. Pillars, door, window carriers, medallions, carousel base, canopy and each horse have separate sheets.

Loose props, furniture and trees are not included. Lamps and two window wreaths are facade fixtures.

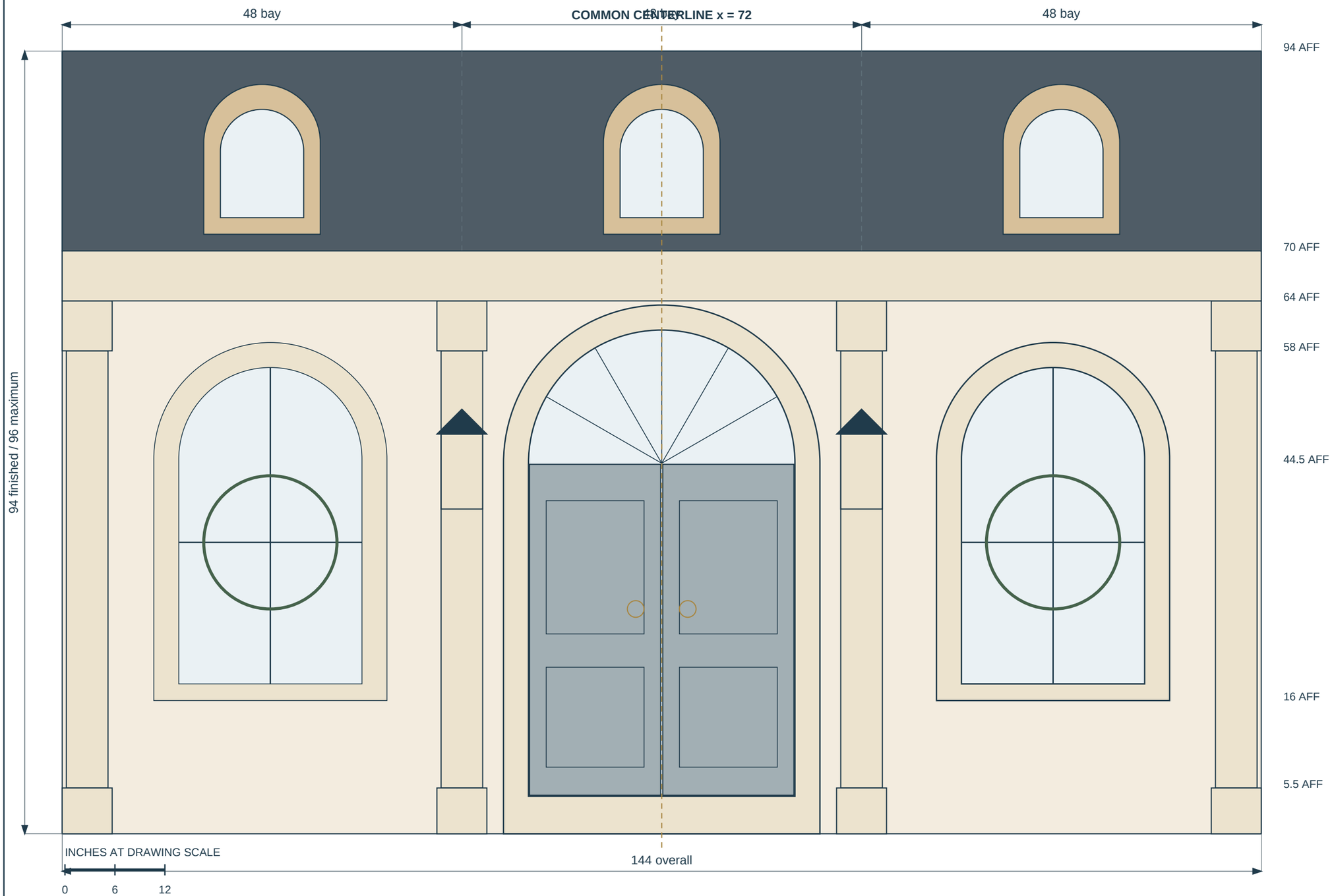
Facade details are dimensioned for shop coordination. Carousel/horse load-bearing details remain HOLD pending a qualified structural review. Confirmed: stationary, two children, maximum 100 lb each, maximum 58 in tall.

READ THIS FIRST

All inches are finished nominal dimensions. Actual lumber: 1x3 = 0.75 x 2.5; 1x2 = 0.75 x 1.5; 2x4 = 1.5 x 3.5. Measure purchased sheets before cutting.

Do not scale the original AI rendering. This vector elevation controls the scenic architecture. Review appearance before production.

G01 MASTER FACADE ELEVATION



DATUMS

Origin: left edge at floor. X to the right; Z upward.

Window centers: x=25, 119. Door / printed middle dormer: x=72. Pillars: x=3, 48, 96, 141.

Printed roof occupies Z70-94. All trim stays inside X0-144. Capital relief 5 in forward; lantern front may reach 8 in including pillar depth.

G02 COMPONENT MAP + DEPTH CONTROL

SHEET	BUILD	ENVELOPE	INTERFACE
F01	Left bay	48 x 70 lower + 48 x 24 upper	Window center local x25
F02	Center bay	48 x 70 lower + 48 x 24 upper	Separate door module
F03	Right bay	48 x 70 lower + 48 x 24 upper	Window center local x23
P01/P02	Four pilasters	6 W x 64 H; relief up to 5	Two seam units detach
W01-W03	Two windows	28 x 43 surround; 24 x 40 carrier	Front-remove image cassette
D01/D02	Door module	38 W x 63.5 H	Non-opening scenic double leaf
R01	Printed roof	3 panels, each 48 x 24	No physical roof overhang
M01	Separate ornaments	See ornament register	No ornament glued across seams
L01	Lamps + wreaths	2 lanterns + 2 wreaths	Fixed facade fixtures; removable
C/H sheets	Carousel / horses	48-in base; original horses overhang	Structural release HOLD

DEPTH IS NOT THE 8 x 12 LIMIT

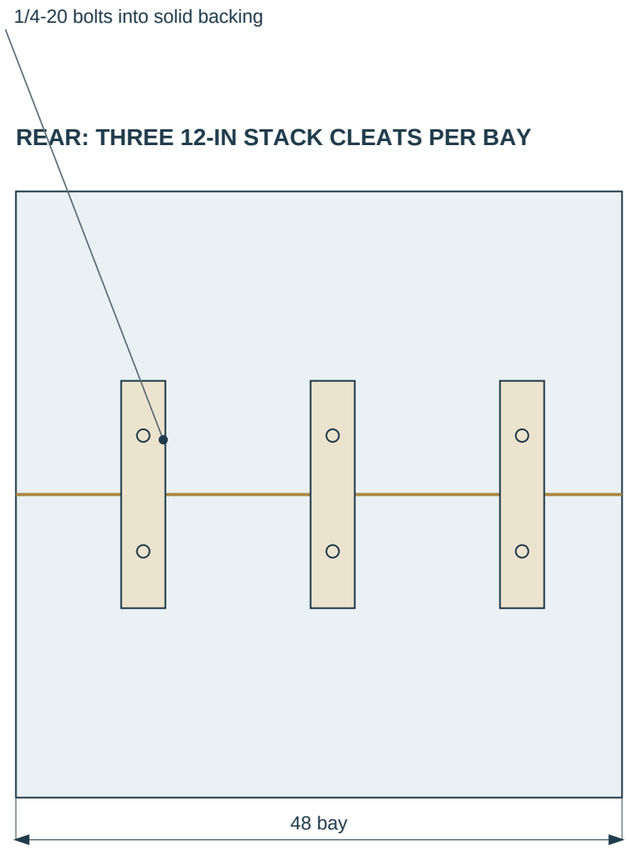
The 144 x 96 limit is front elevation only.

Flat body depth = 2.75 (2.5 frame + 0.25 skin). Window lightbox rear is about 4.5 behind the skin face; see W04.

Pillar capital projects 5 forward; mounted lantern may reach 8. Rear jacks require a 30 in run. Camera and access depth have not been surveyed.

Do not combine a 48-in platform decision with the earlier 60-in drawing by accident. Current base is 48 diameter with 56 diameter canopy; original horses extend beyond the base. Allow at least the canopy footprint plus verified access space.

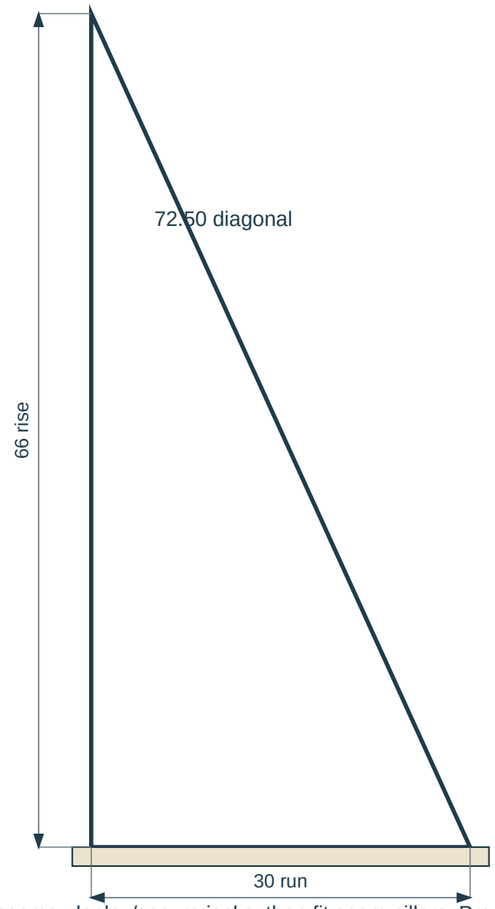
G03 FLAT JOINTS, STACK CLEATS + REAR JACKS



REAR: THREE 12-IN STACK CLEATS PER BAY

Upper/lower seam at Z70. Cleats centered on seam.

JACK GEOMETRY



QTY	STOCK	CUT SIZE	USE
9	1x4	12	Rear stack cleats
4	1x3	66	Jack uprights
4	1x3	72.5	Jack diagonals, fit pins
4	2x4	30	Jack feet

JOINT HARDWARE

18 stack bolts: 2 per cleat. Cleat centers local X8,24,40. Bolt centers Z66.375 / Z74.375 land on added rails at Z66 / Z74. Use 1/4-20 x 1.5 bolts into metal inserts in those rails; verify engagement. See F05.

Vertical bay seams: 3 loose-pin hinges per lower seam at Z12,40,62 plus one at Z82; eight seam hinges total. Back blocking required.

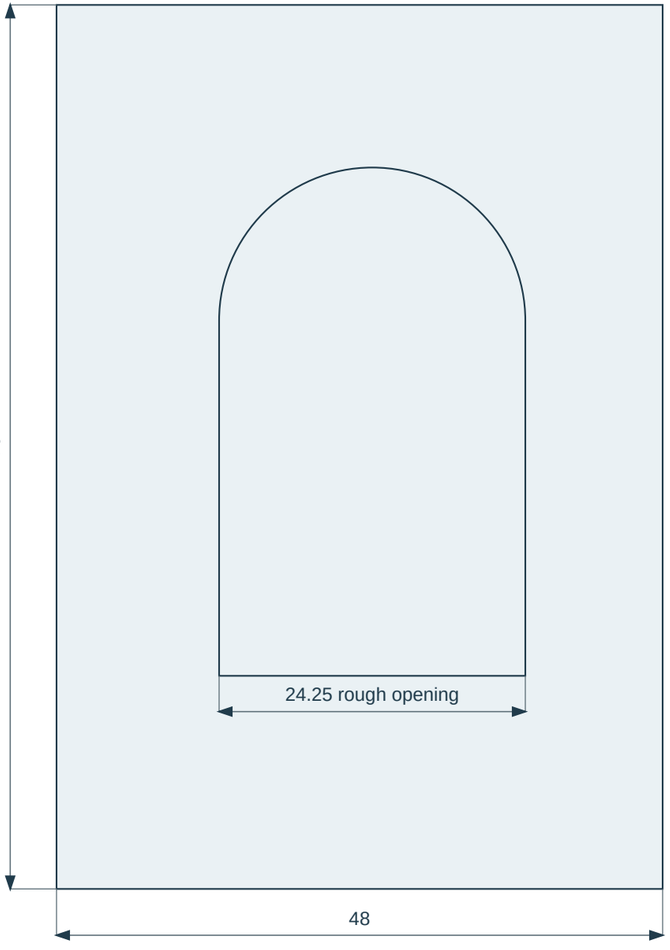
Four jacks: X6,46,98,138 proposed. Keep clear of lightboxes. Ballast/anchor demand depends on venue and contact loads; four 25-lb bags are an inventory allowance, not a stability calculation.

ASSEMBLY

Make lower flats square and level first. Join lower bays, add upper panels, pin upper seams, deploy/secure jacks, then fit seam pillars. Props or people may not lean on the facade.

F01 LEFT FLAT - WINDOW BAY

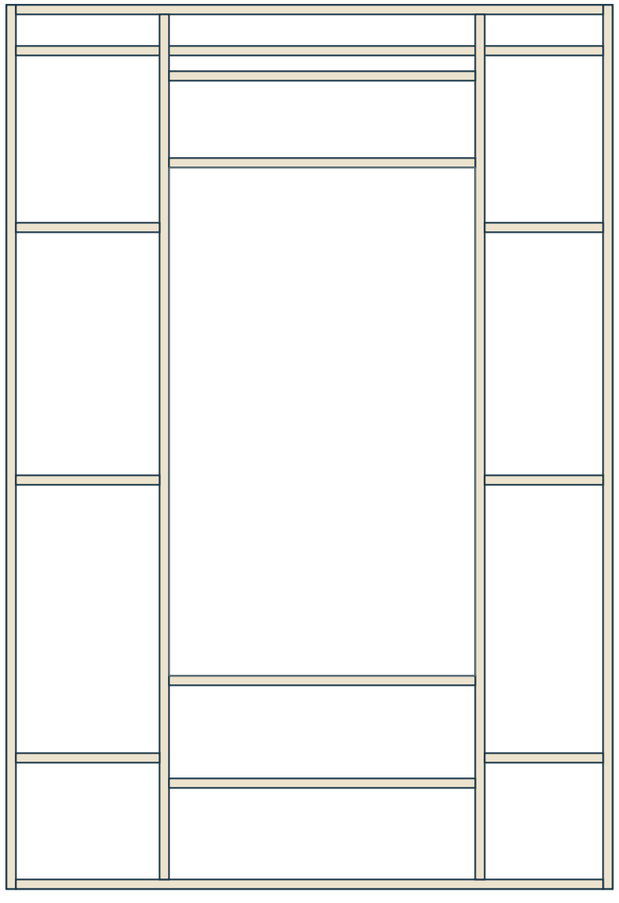
FRONT / CUTOUT



LOCAL CENTER x=25; rough aperture Z16.875-57.125

Opening X12.875-37.125; arched top R12.125, spring Z45.

FRAMING MAP



INCHES AT DRAWING SCALE

0 12 24

QTY	STOCK	CUT SIZE	USE
2	1x3	70	Full stiles
2	1x3	46.5	Rails / toggles
2	1x3	68.5	Opening jambs
4	1x3	24.25	Headers + blocking
2	1x3	11.375	Long side toggles
2	1x3	9.375	Short side toggles
1	1/4 luan	70 x 48	Skin; cut aperture last
1	1x3	46.5	Stack backing rail at Z66
1	1x3	11.375	Pillar bottom long backing Z10
1	1x3	9.375	Pillar bottom short backing Z10

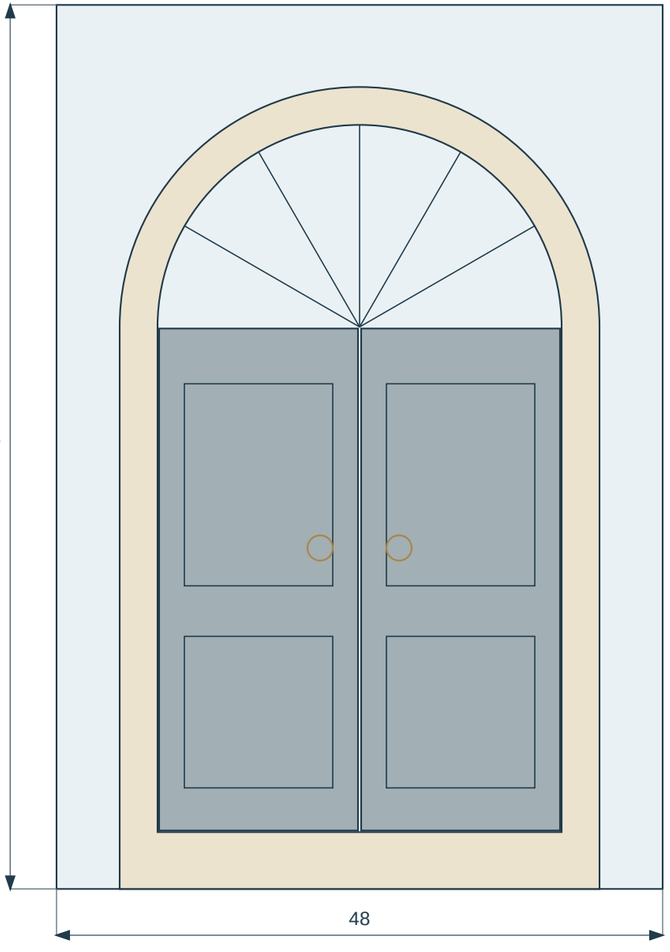
BUILD ORDER

1. Assemble frame on a level table; compare diagonals.
2. Glue/fasten skin while square.
3. Cut ARCHED opening after framing; retain upper corners.
4. Install rear blocking for joints, trim and fixtures.
5. Seal both faces and all cut edges.

Frame corner tolerance: diagonals within 1/8. Aperture tolerance: +1/16 / -0. Test the finished cassette before painting.

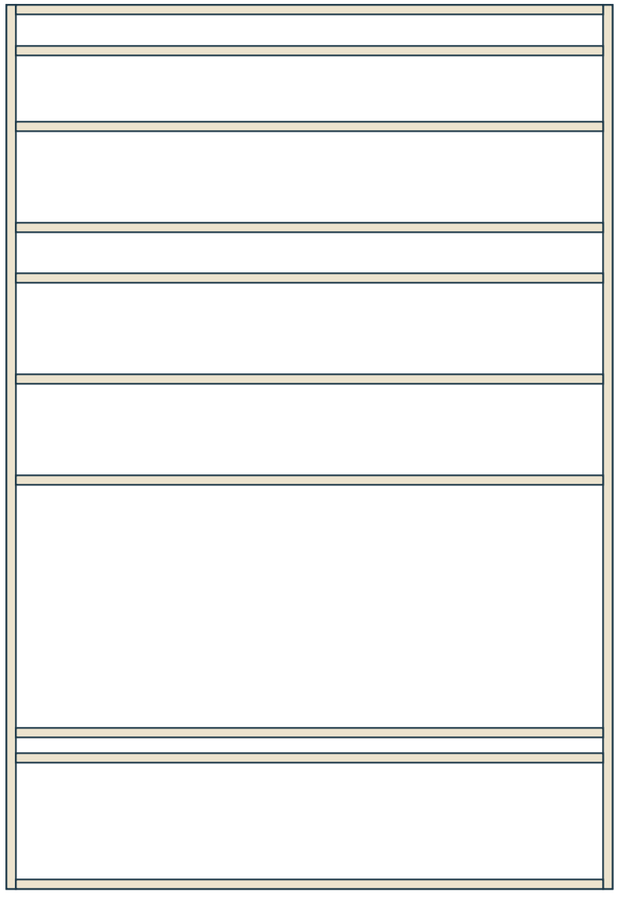
F02 CENTER FLAT - DOOR BAY

FRONT / CUTOUT



Solid skin. Door mounts at local X5-43.

FRAMING MAP



INCHES AT DRAWING SCALE

0 12 24

QTY	STOCK	CUT SIZE	USE
2	1x3	70	Full stiles
6	1x3	46.5	Rails / toggles
1	1/4 luan	70 x 48	Solid skin
1	1x3	46.5	Stack backing rail at Z66
2	1x3	46.5	Pillar anchor rails at Z10 and Z52

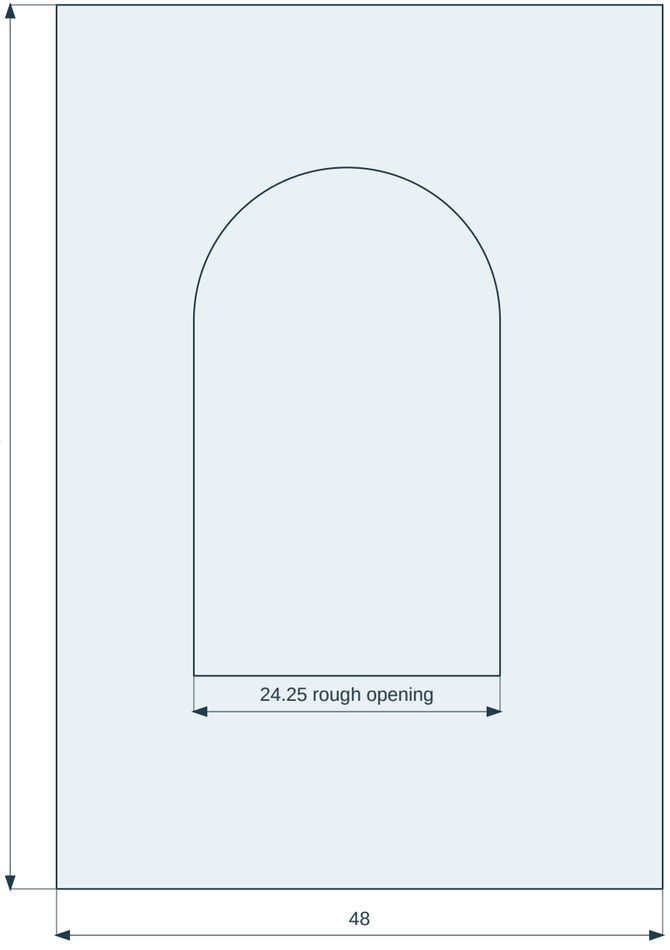
BUILD ORDER

1. Assemble frame on a level table; compare diagonals.
2. Glue/fasten skin while square.
3. Cut ARCHED opening after framing; retain upper corners.
4. Install rear blocking for joints, trim and fixtures.
5. Seal both faces and all cut edges.

Frame corner tolerance: diagonals within 1/8. Aperture tolerance: +1/16 / -0. Test the finished cassette before painting.

F03 RIGHT FLAT - WINDOW BAY

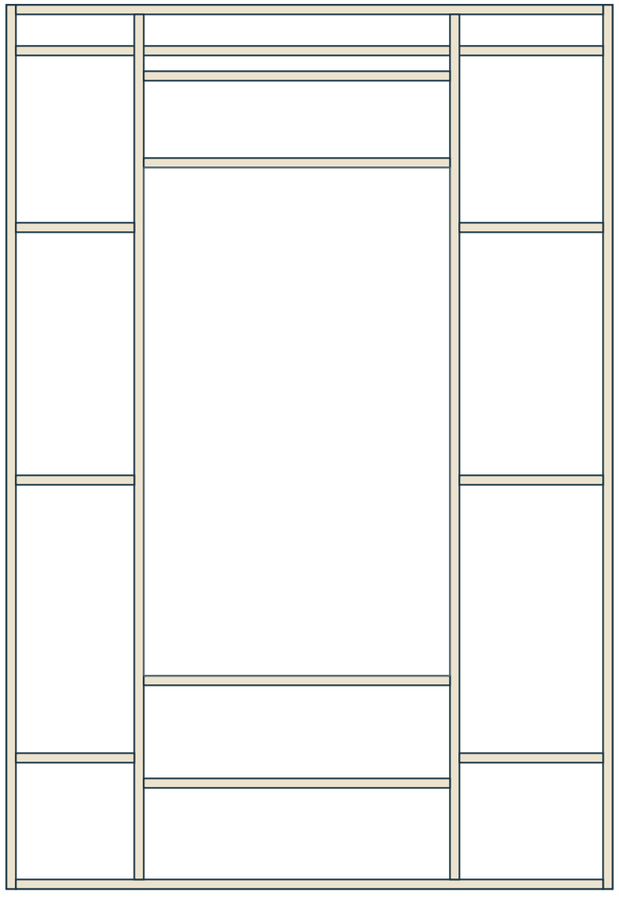
FRONT / CUTOUT



LOCAL CENTER x=23; rough aperture Z16.875-57.125

Opening X10.875-35.125; arched top R12.125, spring Z45.

FRAMING MAP



INCHES AT DRAWING SCALE

0 12 24

QTY	STOCK	CUT SIZE	USE
2	1x3	70	Full stiles
2	1x3	46.5	Rails / toggles
2	1x3	68.5	Opening jambs
4	1x3	24.25	Headers + blocking
2	1x3	11.375	Long side toggles
2	1x3	9.375	Short side toggles
1	1/4 luan	70 x 48	Skin; cut aperture last
1	1x3	46.5	Stack backing rail at Z66
1	1x3	11.375	Pillar bottom long backing Z10
1	1x3	9.375	Pillar bottom short backing Z10

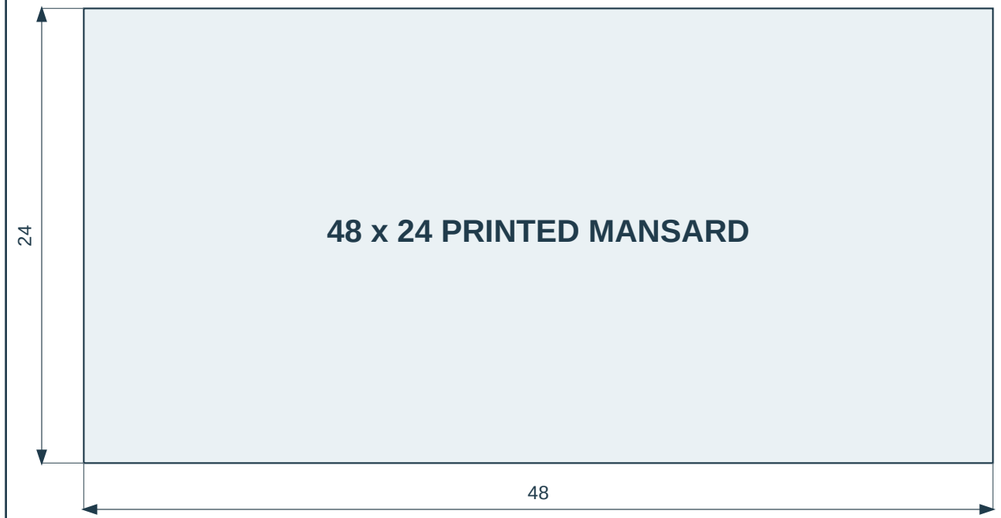
BUILD ORDER

1. Assemble frame on a level table; compare diagonals.
2. Glue/fasten skin while square.
3. Cut ARCHED opening after framing; retain upper corners.
4. Install rear blocking for joints, trim and fixtures.
5. Seal both faces and all cut edges.

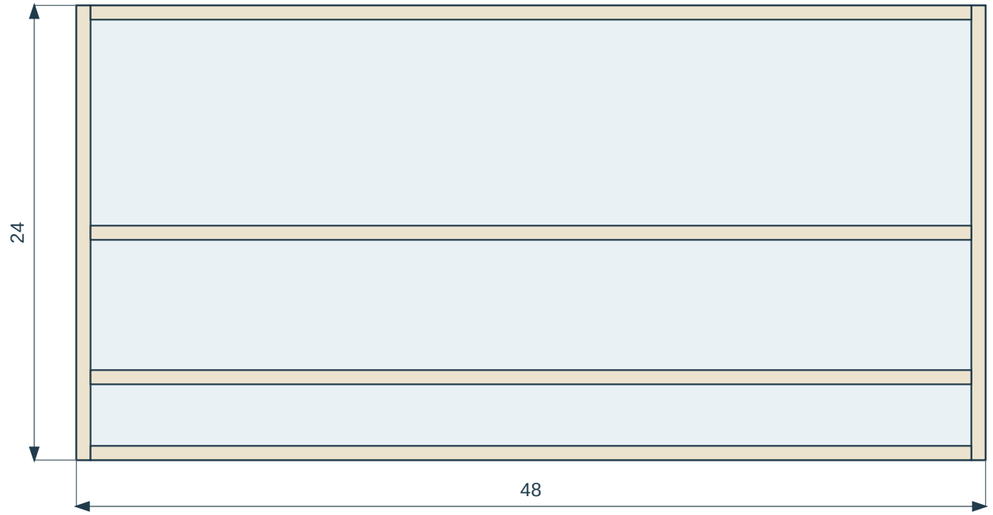
Frame corner tolerance: diagonals within 1/8. Aperture tolerance: +1/16 / -0. Test the finished cassette before painting.

F04 UPPER PRINT PANELS - THREE SEPARATE BUILDS

FRONT: NO PHYSICAL DORMER BOXES



REAR: SAME FRAME FOR ALL THREE



QTY	STOCK	CUT SIZE	USE
6	1x3	24	Upper stiles; 3 panels
12	1x3	46.5	Rails / mid toggle / stack backing
3	1/4 luan	24 x 48	Roof print skins

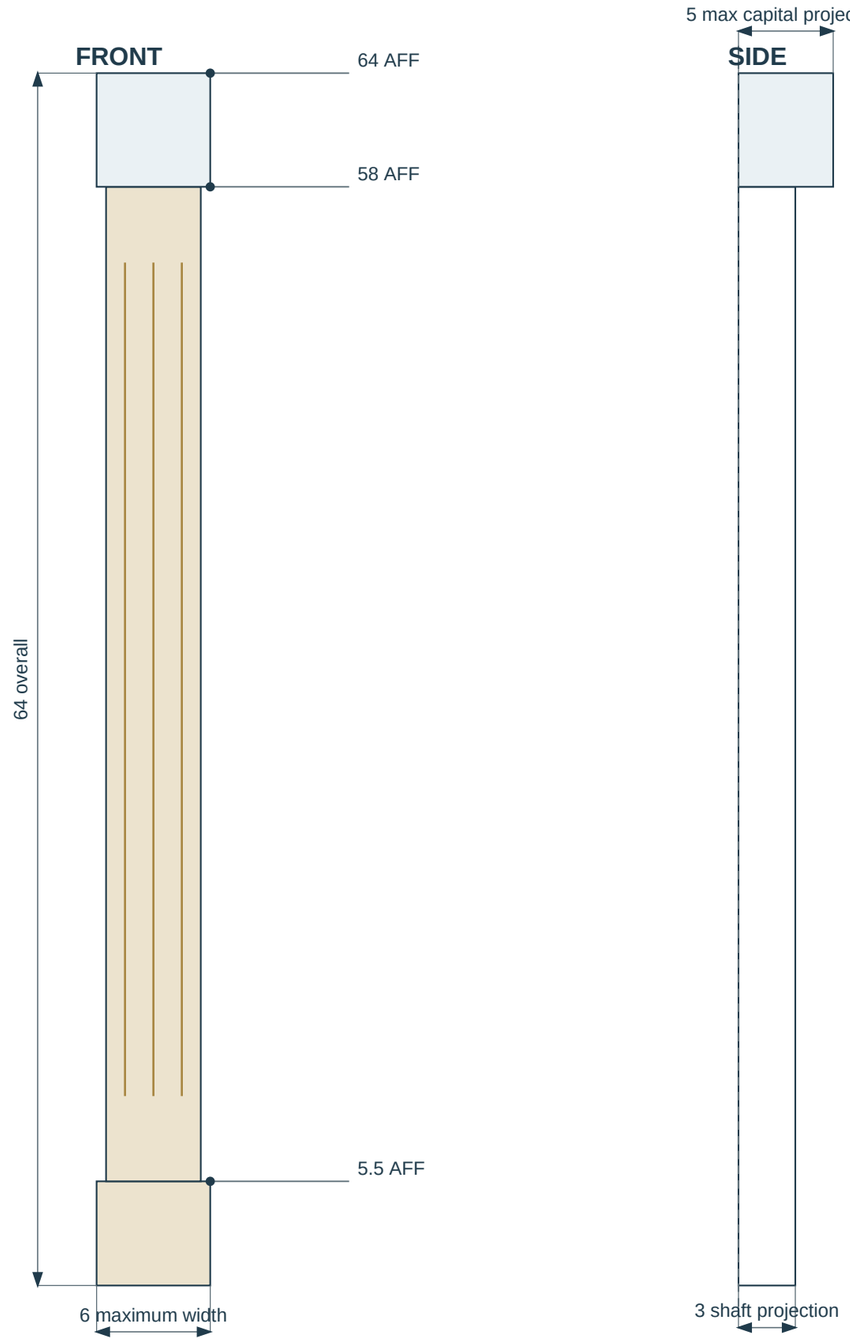
PRINT / INSTALL

Panels attach above their matching lower bays. Align at X0,48,96 and Z70.

Do not wrap film across a seam. Apply independently and trim flush. Leave print image registration marks on removable backing paper.

No upper medallions are physical: all roof/dormer ornament is printed. See R01 for bleed, pixel sizes and alignment.

P01 PILLAR BODY - FOUR REMOVABLE PILASTERS



QTY	STOCK	CUT SIZE	USE
4	1/2 MDF	52.5 x 5	Shaft faces
8	1/2 MDF	52.5 x 2.5	Shaft returns
4	1/2 MDF	5.5 x 6	Base faces
8	1/2 MDF	5.5 x 2.5	Base returns
4	1/2 MDF	6 x 6	Capital backplates
8	1x2	4	Outer pillar paired cleats
8	1x2	2	Seam pillar paired cleats
2	1x4	4	Lamp blocks inside seam pillars

FOUR LOCATIONS

Outer units center at X3 and X141. Seam units center at X48 and X96 and remove before bay separation.

Faces/returns are 1/2 MDF; foam capital is separate C1 ornament. Route three 1/4-wide flutes, maximum 1/8 deep, from Z10 to Z54; centers 1.5,3,4.5 across the 6-in base. No added flute molding.

Back remains open for cleats and lamp access. All fasteners anchor into wood backing.

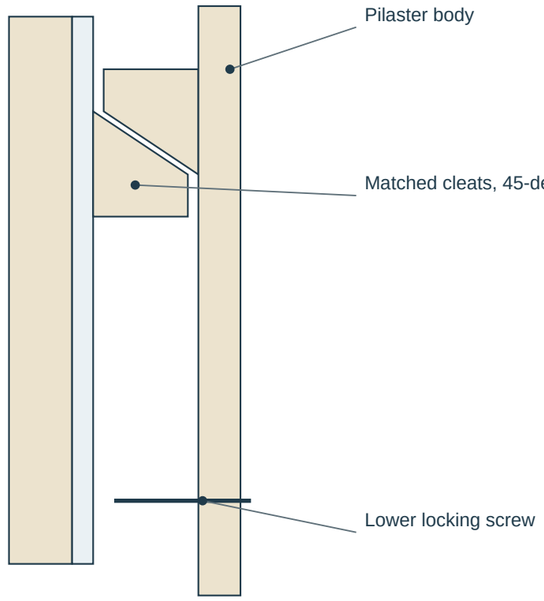
P02 PILLAR CAPITAL, BASE + FIXING DETAILS

C1 CAPITAL: 6 x 6 x 2 EPS



Rev E palmette: CNC profiles / depths on X03.

PAIRED CLEAT + POSITIVE LOWER SCREW



FIXING SCHEDULE

Two cleat pairs per pillar. Wall cleat screw center heights Z10.375 and Z52.375 match added 1x3 rails / side backing at Z10 and Z52. Outer pillars use 4-in cleats; seam pillars use 2-in cleats, all 1.5 high x 0.75 thick, mating bevels 45 degrees.

Outer wall cleat centers X3 and X141. Seam wall cleat centers X46.75 and X94.75, entirely on F01 / F02. Match the pillar cleats to those offsets. Nothing is fixed across a bay seam.

Use two pilot-drilled #8 x 2.5 screws per wall cleat through skin into the aligned backing, with at least 1.25-in wood engagement. Lock each hung pillar against lifting with two lower screws. No long rear backing strip is required.

CAPITAL + BASE

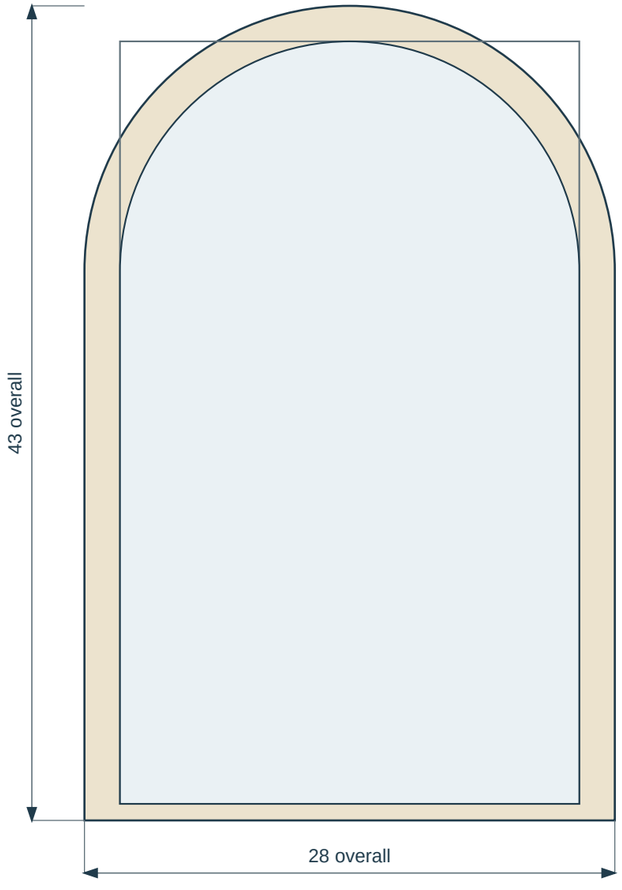
Capital blank: 6 x 6 x 2 EPS on 6 x 6 x 1/2 MDF backplate. Mount with compatible adhesive plus concealed mechanical fixing into backplate.

Base is a 6 W x 5.5 H x 3 D hollow box. Its face and two returns enclose the shaft bottom. Seal MDF edges before primer.

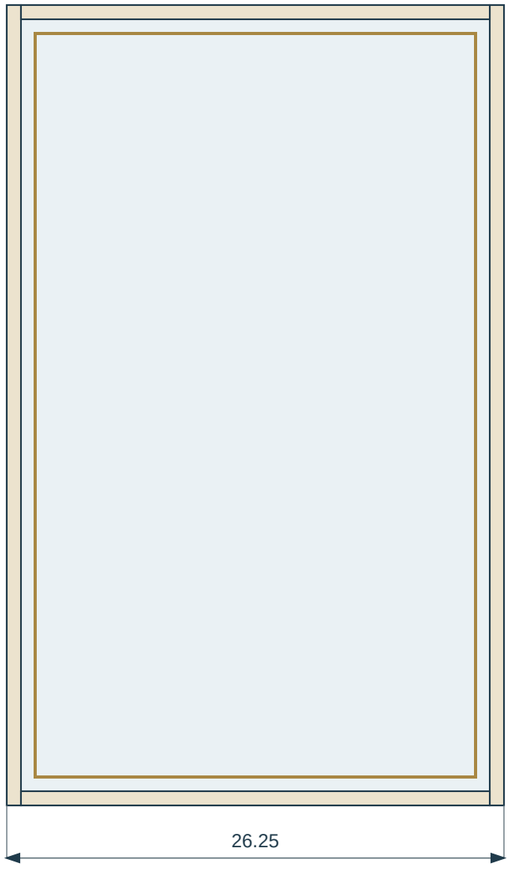
Two seam pillars carry lamps. Add an internal solid block at lamp screw locations; fixture may not hang from foam.

W01 WINDOW HOUSING + FIXED ARCH - BUILD TWO

FRONT: FIXED SURROUND



REAR LIGHTBOX



QTY	STOCK	CUT SIZE	USE
4	1x2	42.25	Two lightbox stiles
4	1x2	24.75	Two lightbox rails
2	1/4 luan	42.25 x 26.25	Lightbox backs
2	1/2 MDF	43 x 28	Fixed arch surround blank

COORDINATE CHECK

Outer surround bottom Z16; top Z59. Visible inner arch: bottom Z18, spring Z45, radius 11, top Z56. Fixed surround cutout matches arched rough aperture (R12.125), so carrier removes forward.

Rough aperture: 24.25 W x 40.25 H, bottom Z16.875. Removable carrier: 24 x 40, bottom Z17.

Lightbox: 26.25 x 42.25, centered behind rough opening; nominal depth 1.75. Mount through perimeter into opening framing. Box lower edge Z15.875.

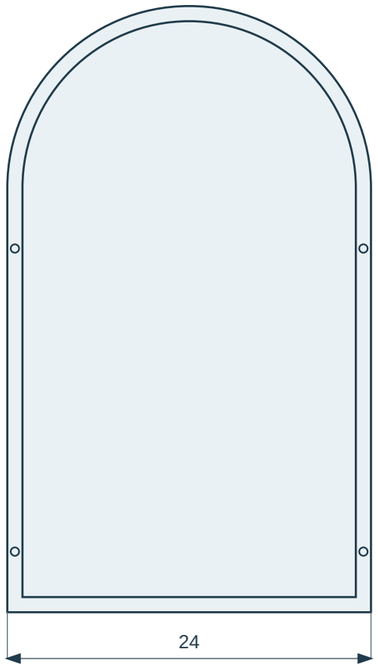
LIGHTING / SERVICE

Use a matched listed low-voltage LED kit per window. About 11 ft of strip per box perimeter; keep the driver accessible at rear. Test for hot spots and temperature before closing.

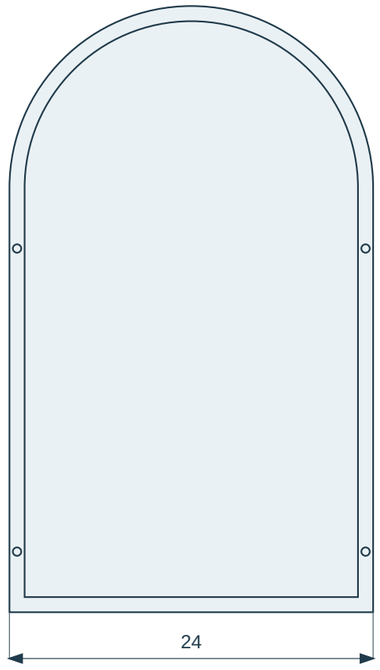
Use a white interior; do not place exposed line-voltage splices inside foam or a sealed scenic cavity. No window needs moving to change the picture.

W02 REMOVABLE ARCHED WINDOW INSERT - BUILD TWO

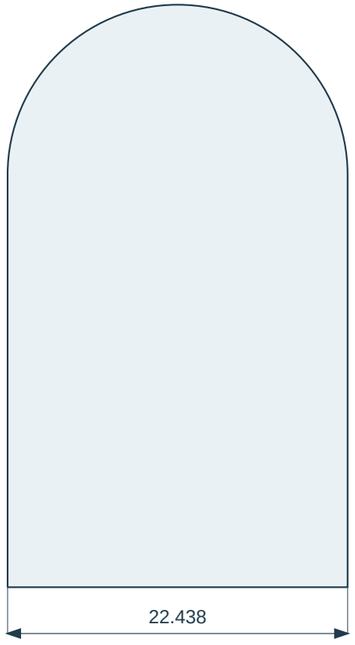
1/4 MDF FACE



1/2 MDF CARRIER



LENS / PRINT / DIFFUSER



QTY	STOCK	CUT SIZE	USE
2	1/2 MDF	40 x 24	Arched carrier ring, 1-in border
2	1/4 MDF	40 x 24	Arched front masks
2	1/8 opal	38.438 x 22.438	ARCHED diffuser; supplied
2	1/16 PETG	38.438 x 22.438	ARCHED protective lens
2	Printed film	38.438 x 22.438	ARCHED graphic, in house
2	Panel molding	38	1/2-wide center mullions
2	Panel molding	22	1/2-wide cross mullions

CARRIER GEOMETRY

Both MDF rings: outside 24 W x 40 H, spring 28, outside R12. Inside arch: 22 W, bottom 1, spring 28, R11, peak 39. Laminate 1/4 face to 1/2 rear ring; finished thickness 3/4.

Route rear rebate 1/4 deep x 1/4 wide. Rebate bounding size 22.5 x 38.5, arch R11.25. The lens, print and diffuser are ARCHED, not full rectangles. Cut to R11.21875 with spring 27.21875 above their bottom.

REMOVAL / CLEARANCE

Four 1/4-20 knurled screws per carrier at local (0.5,4), (23.5,4), (0.5,24), (23.5,24). Eight rear turn-buttons per carrier retain glazing.

The fixed surround opening is 24.25 x 40.25 bounding size, arched R12.125 at global Z45. Carrier has 1/8 clearance on sides, top and bottom. No fixed trim overlaps the carrier face. W04 shows receiver blocks.

W03 WINDOW CHANGEOVER + IMAGE PRODUCTION

STEP	ACTION	CHECK
1	Switch off window LEDs. Remove wreath from carrier hook.	Keep fasteners in labeled cup.
2	Undo four captive knurled screws from the front.	Support insert with both hands.
3	Pull complete carrier straight out. Place face down on clean padded table.	No dragging on ornament.
4	Rotate rear turn-buttons; remove diffuser, print, then protective lens as needed.	Keep panel order recorded.
5	Install new print behind lens; replace diffuser; close buttons.	Do not pinch or wrinkle media.
6	Refit carrier, engage four screws by hand and snug evenly.	Do not crush acrylic or strip inserts.
7	Restore light; check alignment and rehang wreath.	No light leaks; picture upright.

PRINT DIMENSIONS

Image bounding rectangle: 22.4375 x 38.4375; trim the arched top to W02. Visible arch is 22 W x 38 H. Keep critical imagery at least 0.5 inside the visible aperture.

At 150 dpi, finished rectangle is approximately 3366 x 5766 pixels. Print actual size, no fit-to-page. Include crop marks outside the final cut.

For backlight, use translucent media compatible with your printer. Opaque paper is acceptable only as a front-lit insert. All printing remains in house.

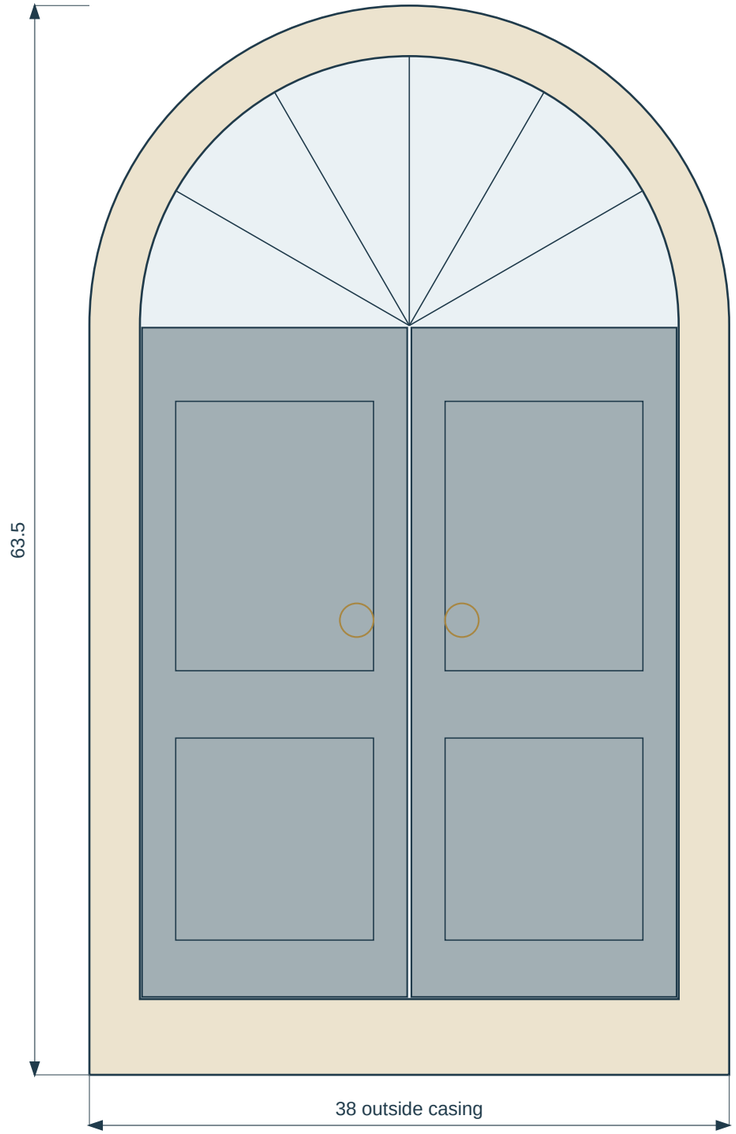
SECTION / STACK

From camera toward back:
1. Painted 1/4 MDF face on 1/2 MDF carrier.
2. Clear PETG lens, nominal 1/16.
3. Removable printed film.
4. Opal diffuser, nominal 1/8.
5. Air gap / low-voltage lightbox.

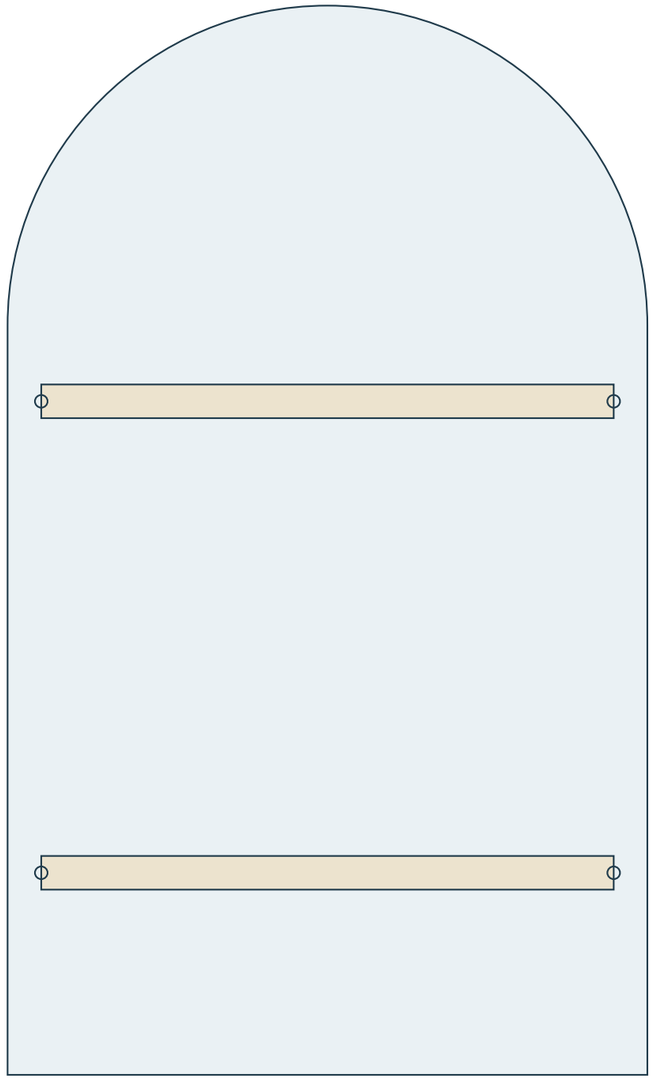
Test actual print/lens/diffuser stack in the 1/4-deep rebate. Keep total glazing thickness below rebate depth; adjust gasket thickness, not aperture dimensions.

D01 SEPARATE DOOR MODULE - FRONT + BACK

FRONT: TWO EQUAL LEAVES



REAR: CLEATS + LOCKING FIXINGS



QTY	STOCK	CUT SIZE	USE
1	1/4 luan	63.5 x 38	Door module backer
2	1/2 MDF	39.75 x 15.75	Equal faux door leaves
2	1/2 MDF	44.5 x 3	Casing legs
1	1/2 MDF	19 x 38	Semicircle arch ring blank
3	1x4	34	Top cleat pair + lower lock strip
1	1/4 MDF	16 x 32	Fanlight backer blank
1	1x3	46.5	F02 added door cleat rail Z40

DOOR IS SCENIC

Applied, non-opening door; not an exit. Whole module lifts off the central flat for transport.

Global X53-91; center X72. Fanlight spring Z44.5. Outside arch R19; inside arch R16. Crown Z63.5, 0.5 below cornice belt.

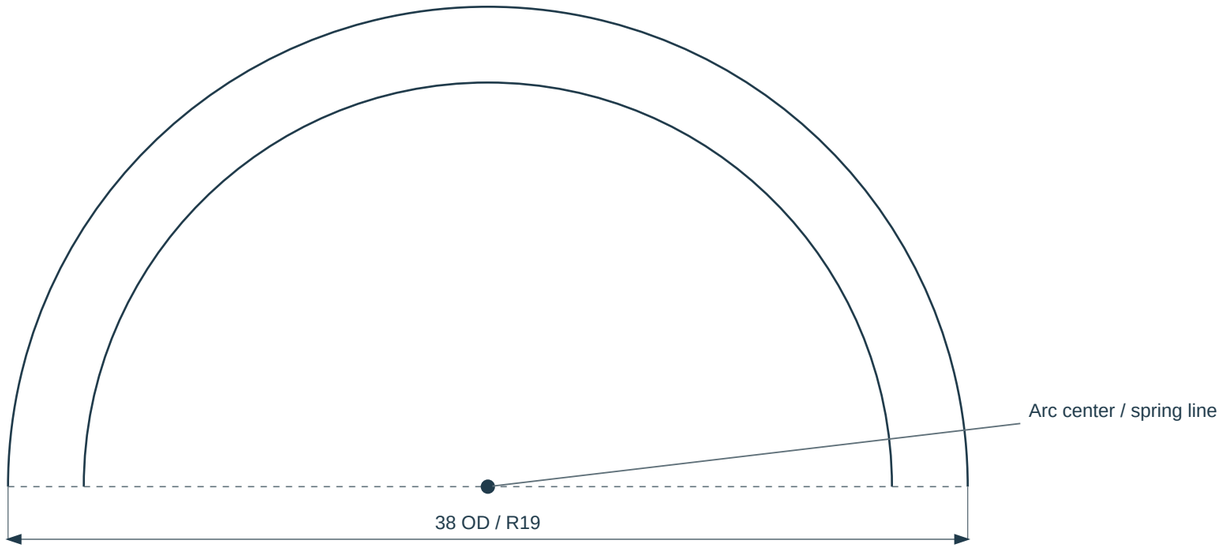
Leaf opening: 32 W x 40 H, Z4.5-44.5. Each leaf 15.75 x 39.75. Side gaps 1/8; center gap 1/4; top/bottom gaps 1/8.

FIXING

Use a 34-in paired bevel cleat near Z40, plus positive locking bolts at lower blocking near Z12. Add F02 blocking at Z40 from spare 1x3; cleats and receivers anchor through this rail. Lower locks use Z12 rail. Do not rely on the luan skin. Locate final cleat pair together on a full-size assembly bench.

D02 DOOR ARCH, PANEL TRIM + HARDWARE

ARCH RING: 1/2 MDF, 3-IN RADIAL WIDTH



MIRROR CHECK

Mirror the entire door about X72. Left and right leaf profiles and handles match. Do not center the door on one leaf.

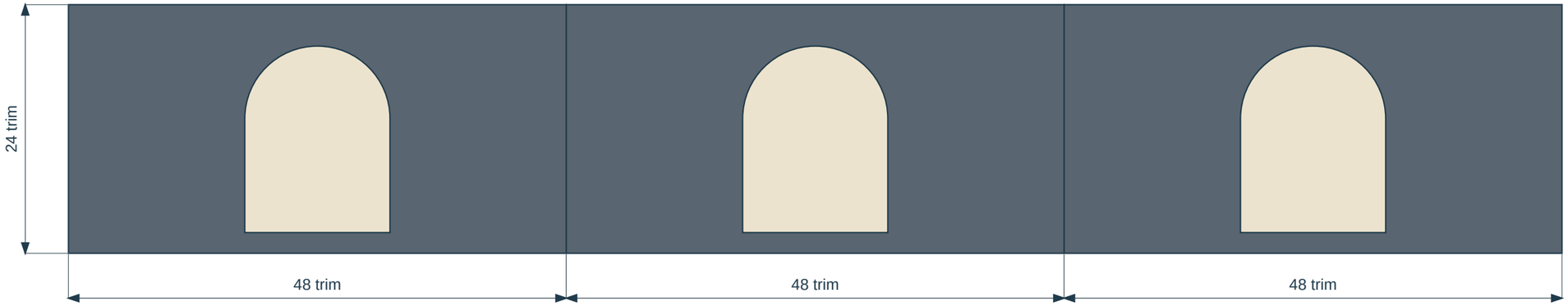
For repeatable arch cutting, use a trammel or CNC arcs sharing one center. Cut outer and inner arcs before separating blank waste.

The fanlight is applied/printed, not a structural opening in the central flat. Door backer may retain its rectangular bounding blank behind the arch if hidden by facade paint.

PART	QTY	SIZE / LOCATION
Upper panel molding rectangles	2	11.75 W x 16 H, nominal Z24-40
Lower panel molding rectangles	2	11.75 W x 12 H, nominal Z8-20
Handles / rings	2	Global X68.875 and 75.125, Z27
Fanlight center mullion	1	X72, spring Z44.5 to Z60.5
Fanlight radial bars	4	30, 60, 120, 150 degrees from spring center
Door medallion M2	1	4.5 diameter; center X72, Z61; relief separate

R01 PRINTED UPPER ROOF - ARTWORK AND REGISTRATION

ONE CONTINUOUS IMAGE, THREE INDEPENDENT PRINTS



FILE	TRIM	BLEED FILE	PIXELS AT 150 DPI
R01-L	48 x 24	48.5 x 24.5	7275 x 3675
R01-C	48 x 24	48.5 x 24.5	7275 x 3675
R01-R	48 x 24	48.5 x 24.5	7275 x 3675

ARTWORK RULES

Print the mansard, slate joints, dormers, glazing, balcony grilles and upper ornament. No added physical roof volume.

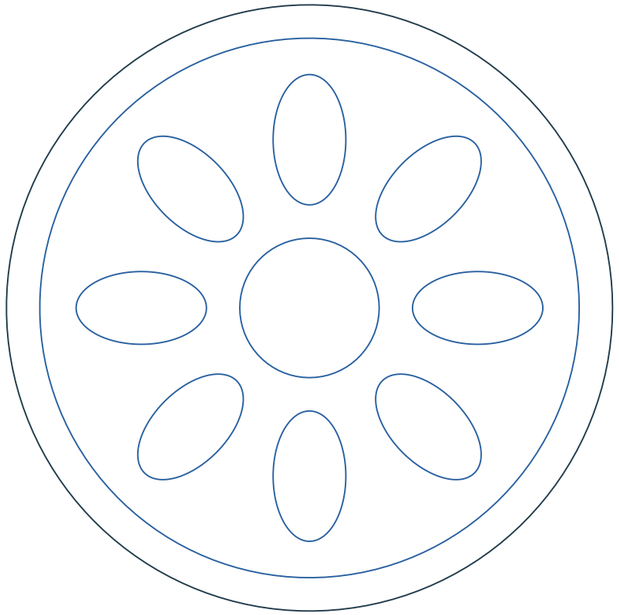
Dormer centers: X24,72,120. Artwork horizon and shading are shared across all three files. Middle dormer axis must match door seam at X72.

Trim image is 7200 x 3600 px at 150 dpi. Add 0.25 bleed on every edge. Use matte output; proof a 12-in square at final density.

Print artwork itself is not supplied by these geometry sheets; use approved art with these dimensions.

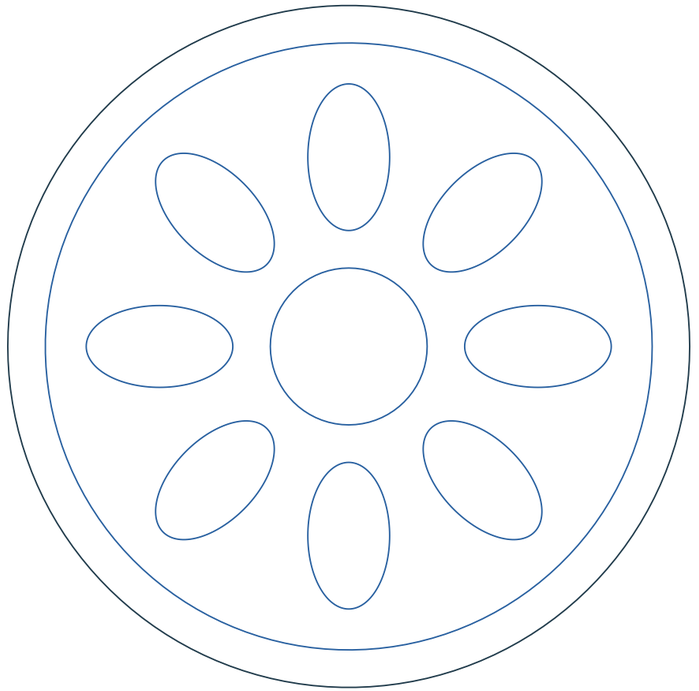
M01 SEPARATE MEDALLIONS + ORNAMENT REGISTER

M1: 4 DIA | QTY 2



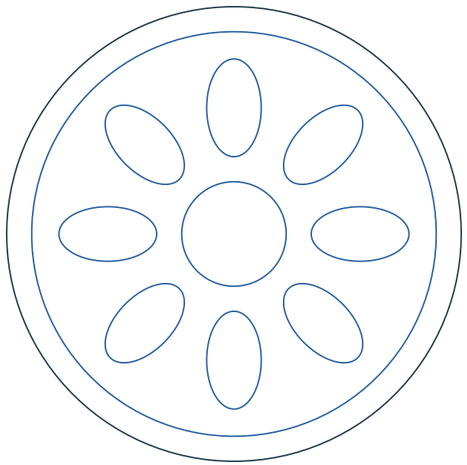
Above window; X25/119, Z61

M2: 4.5 DIA | QTY 1

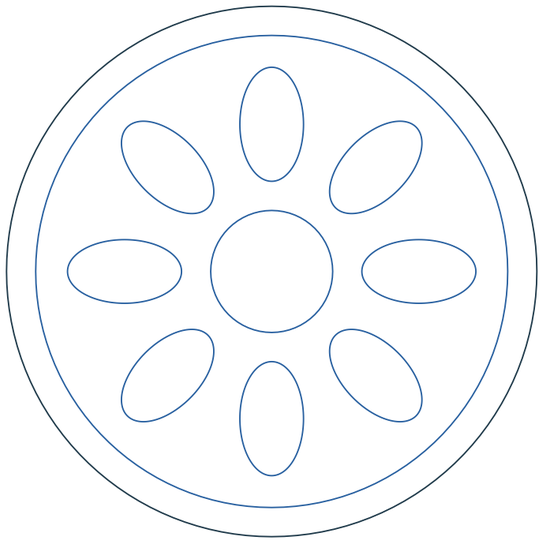


Door crown; X72, Z61

M3: 3 DIA | QTY 8



Valance Z71.25; 22.5 + 45n deg



M4: 3.5 DIA
QTY 4

Column face centers; Z50

ORNAMENT BLANKS

M1/M2: 1-in EPS relief on 1/4 MDF backing. M3/M4: up to 3/4-in relief on 1/4 MDF. Foam is supplied; CNC in house.

C1 capitals are separate: four 6 x 6 x 2 blanks. See P02. Roof dormer ornaments are printed, not on this bill.

Outlines above are actual size when this 17 x 11 PDF prints at 100%. Rev E internal contours match the fabrication files. See X01-X03 for stepped relief depths and file assignments.

POSITIVE MOUNTING

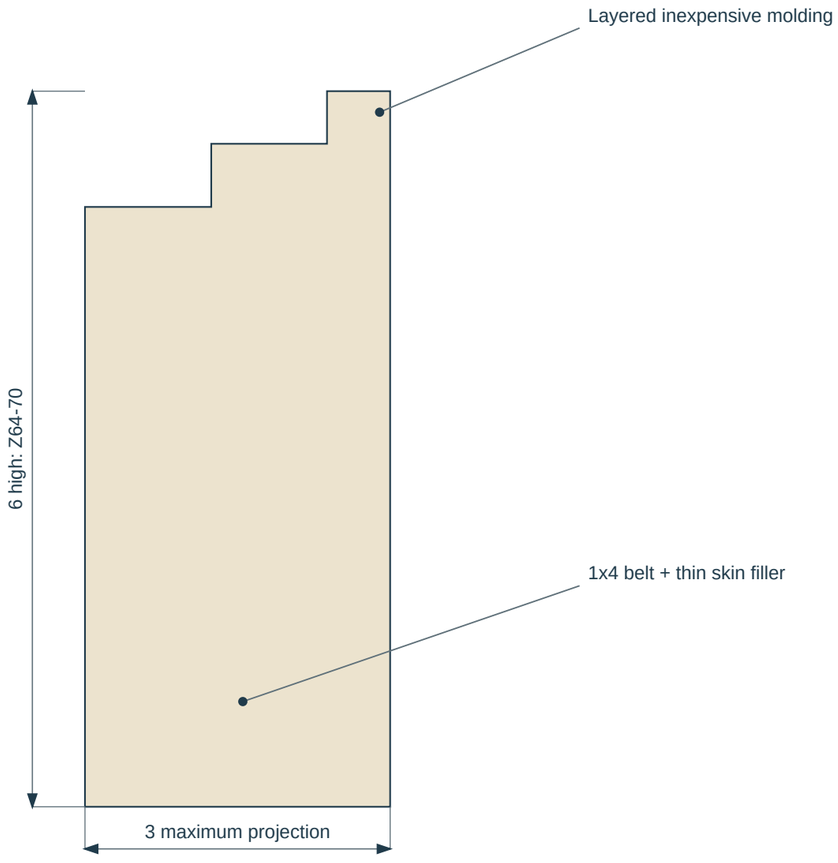
Use concealed screws into backing blocks. Overhead canopy ornaments require positive mechanical retention; adhesive alone is insufficient.

Label each piece on its back. No medallion bridges a transport seam. Screw lengths must not emerge through foam faces.

Do not use these pieces as handles or rider supports.

T01 CORNICE, PLINTH + SILL MODULES

CORNICE PROFILE / TARGET PROJECTION



QTY	STOCK	CUT SIZE	USE
3	1x4	48	Cornice belts
3	1x6	48	Plinth segments
2	1x4	28	Window sills, 3.5 deep
6	Simple molding	48	Two cornice profiles / bay
3	1/4 luan	48 x 2.5	Cornice belt filler; door-back offcut

MODULE LENGTHS

Cornice and plinth each break into three nominal 48-in lengths, matching the flats. Fit 1/16 gaps at joints; scribe the last part to keep total width at 144.

Do not assume two exact 48-in cuts from one 96-in board: allow saw kerf. Reuse offcuts for sills and cleats.

Roof film stops at Z70. Cornice covers the lower/upper skin seam but must detach before separating upper panels.

Sills are 28 long x 3.5 deep; round exposed edges. No deep planter boxes are included.

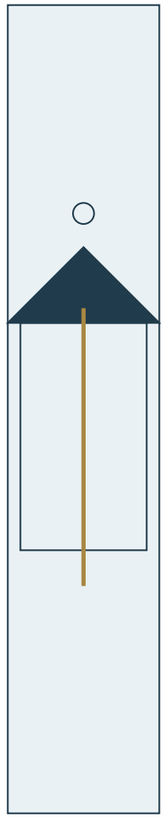
FIXING

Use screws into horizontal framing, not skin only. Counterbore visible trim fasteners for reusable painted plugs. Leave access to the removable window carrier screws.

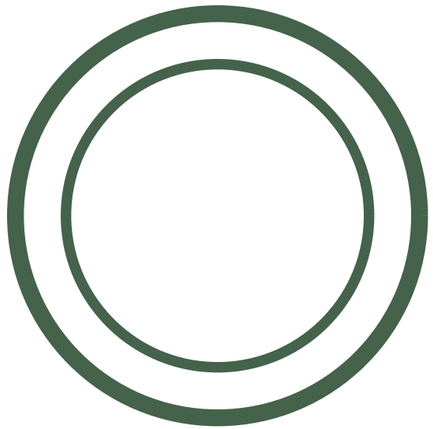
Prime all end grain and MDF edges. Dry-fit all six vertical and horizontal transport seams before finish paint.

L01 LAMPS + WREATHS - FIXED FACADE FIXTURES

TWO LANTERNS: CENTER X48 / X96, Z43



TWO 16-IN WREATHS



Centers X25 / X119, Z35

LAMP BUILD

Allow two black lantern bodies, each within 6 W x 13 H x 5 D. Use two battery-operated warm LED candle/lamp inserts to avoid exposed mains in the removable pilasters.

Mount to solid blocks tied to pillar wood backing. Fixture holes come from selected manufacturer template; do not drill from this schematic. Retain battery access and add a short safety tether.

Two lantern bodies: $70 allowance. Two LED/battery inserts: $30 allowance. These costs were excluded from the wood-only budget and are restored here.

WREATH BUILD

Two 16-in unlit wreaths; removable by gold ribbon from a screw hook in the carrier crown backing. Do not mount through printed film or acrylic.

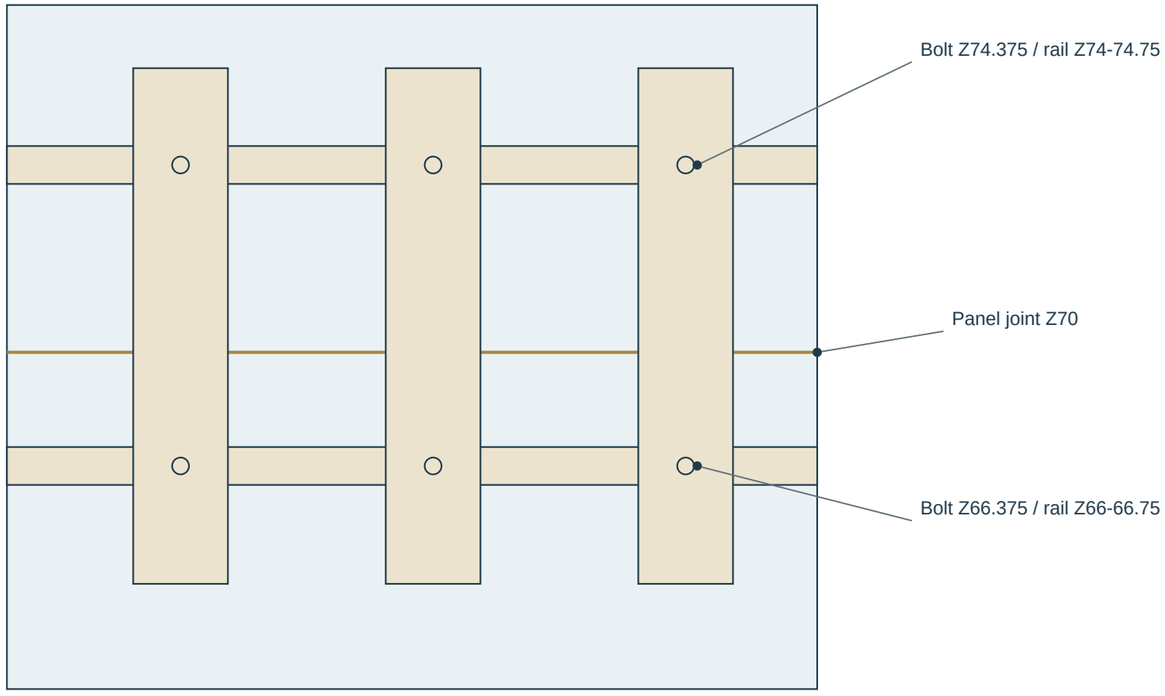
Northlight model 32615050 was listed at $19.98 each at Home Depot; budget two = $39.96. Gold ribbon/hangers: separate $18 allowance.

Loose props, bench, floor dressing and trees are excluded. Facade lamps/wreaths are included.

Wreath source: homedepot.com/p/306936328 | Costed 20 Sep 2026; availability subject to checkout.

F05 FRAME FASTENERS + STACK BOLT LOCATIONS

STACK CLEAT CENTERLINES: X8 / X24 / X40



12-in cleats span Z64-76. Drill each matched assembly together.

QTY	STOCK	CUT SIZE	USE
12	1/4 luan	6 x 6	Rip diagonally: 24 corner gussets; aperture waste

FLAT JOINERY

Frame stock is on edge: 2.5 deep, 0.75 wide in elevation. Glue butt joints and pilot two #8 x 2 wood screws through each stile into rail ends, spaced across the 2.5-in depth.

Apply continuous compatible wood glue to the skin contact surfaces; use 3/4-in narrow-crown staples about 4 in apart around framing. Center fasteners over the 0.75-in frame edge. Test depth; no protruding points.

Add 24 rear triangular corner gussets, two from each 6 x 6 x 1/4 luan blank. Glue/staple to both members. These are scenic flat joints; jacks and venue anchors still need a stability check.

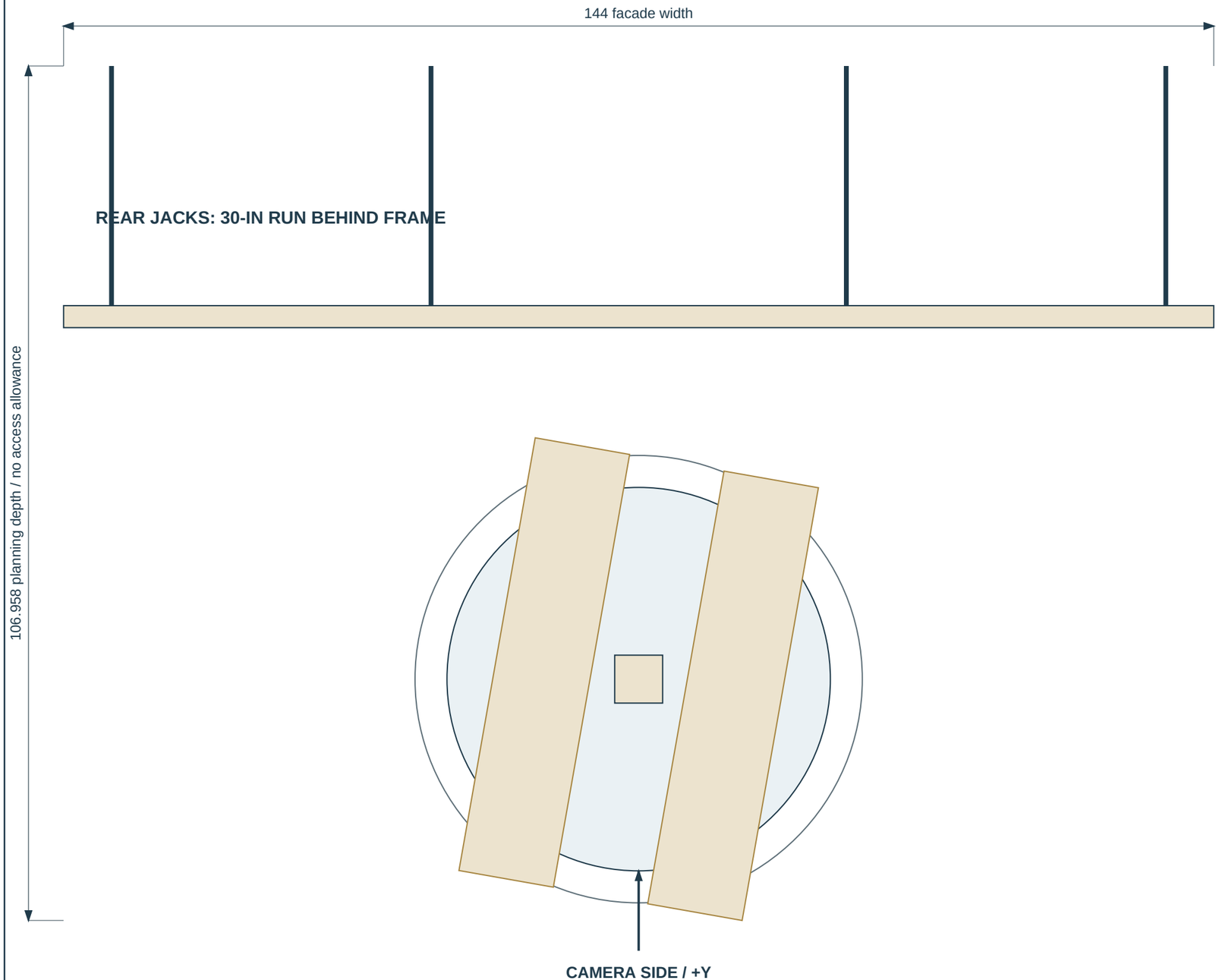
MACHINE BOLTS / INSERTS

Nine 1x4 cleats, 12 long. Drill 1/4-20 clearance holes at 2.375 and 10.375 from cleat bottom. Use washers and nominal 1.5-in bolts into metal inserts drilled into the added frame rails from the rear.

Confirm the actual insert length and engagement; bolt must not bottom or protrude through the front. Label cleats L1-L3, C1-C3, R1-R3. Do not interchange until fit is checked.

Window medallions move to Z61, above the removable carrier. Add 4 x 4 plywood backing from offcuts behind those crown fixings; tie to opening header/backing.

G05 PROPOSED FLOOR SETOUT + DEPTH REQUIREMENT



PROPOSED POSITION

Facade skin datum Y0. Carousel center X72, Y44 forward. Canopy extends Y16-72; 48-in deck extends Y20-68.

Capital relief reaches Y5 and lantern fronts may reach Y8. The rotated 55 x 12 horse boxes extend to about Y13.792 and Y74.208, leaving about 5.792 to the deepest fixture. This is a clearance study; verify actual shapes.

Rear jacks extend to Y-32.75. Planning occupied depth = 74.208 + 32.75 = 106.958 in, before camera, caregiver or service access. The original horse width may change this footprint.

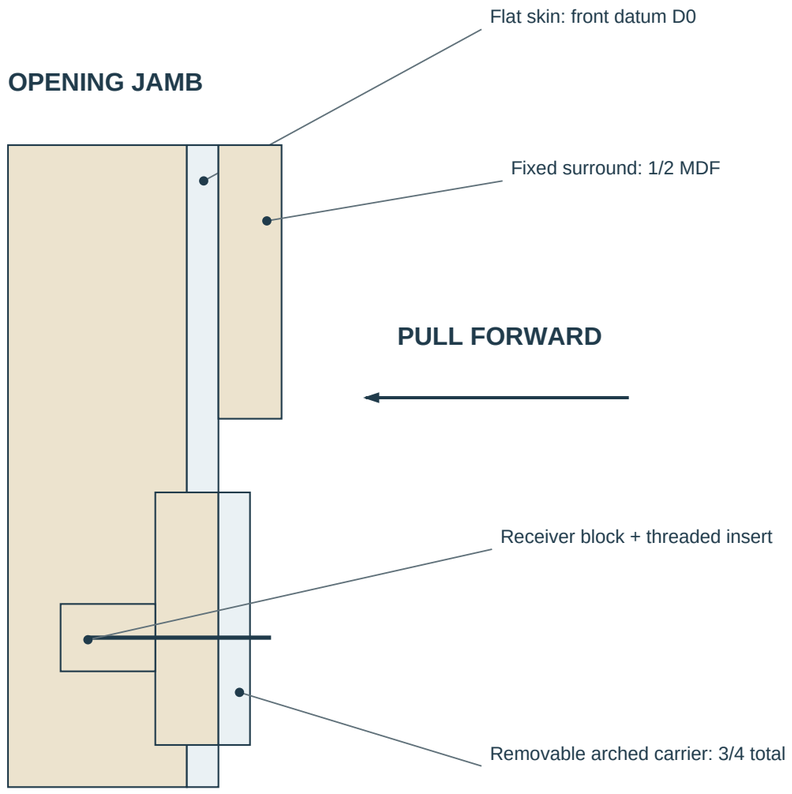
ROOM SURVEY REQUIRED

The 8 x 12 constraint is satisfied in elevation. It does not establish room depth, walkway or caregiver space. Verify the complete layout on the actual floor before installation.

Both horses face generally toward the camera, 10 degrees off +Y; do not reverse one horse as on a moving carousel. This is a stationary photo arrangement.

Keep rear service access for window lights and flat fixings. No props or floor dressing are included.

W04 WINDOW RECEIVERS + REMOVAL SECTION



Side gap = 1/8. No trim lip overlaps carrier face.

QTY	STOCK	CUT SIZE	USE
8	1x2	4	Receiver blocks; horizontal
4	1x2	22	Lightbox spacer battens
2	1x2	3	Wreath hook backing; contour to crown

DEPTH DATUM

D is positive toward the camera from the flat skin face. Fixed surround face D+0.5. Carrier face D+0.5; carrier back D-0.25. Receiver block front D-0.25.

Frame behind skin is D-0.25 to D-2.75. Lightbox mounts behind the flat frame, not inside the opening. Two 22-in spacer battens per window align its back position. Lightbox rear is about D-4.5; verify cable allowance.

HARDWARE / BLOCKING

Use four 4-in-long 1x2 receiver blocks per window, fixed horizontally to the opening jambs. Project only enough to support the carrier rail; keep clear of glazing. Locate from an actual dry-fitted carrier.

Four 1/4-20 x 1.5 nominal knurled screws per window plus washers and metal inserts. Confirm engagement without bottoming; inserts run in hardwood blocks, not MDF.

One shaped 3-in wood pad behind the crown accepts the wreath hook. A gold ribbon drops the wreath to its center at Z35. Do not screw through the image.

G04 FORCED PERSPECTIVE + FULL-SIZE HUMAN DATUM



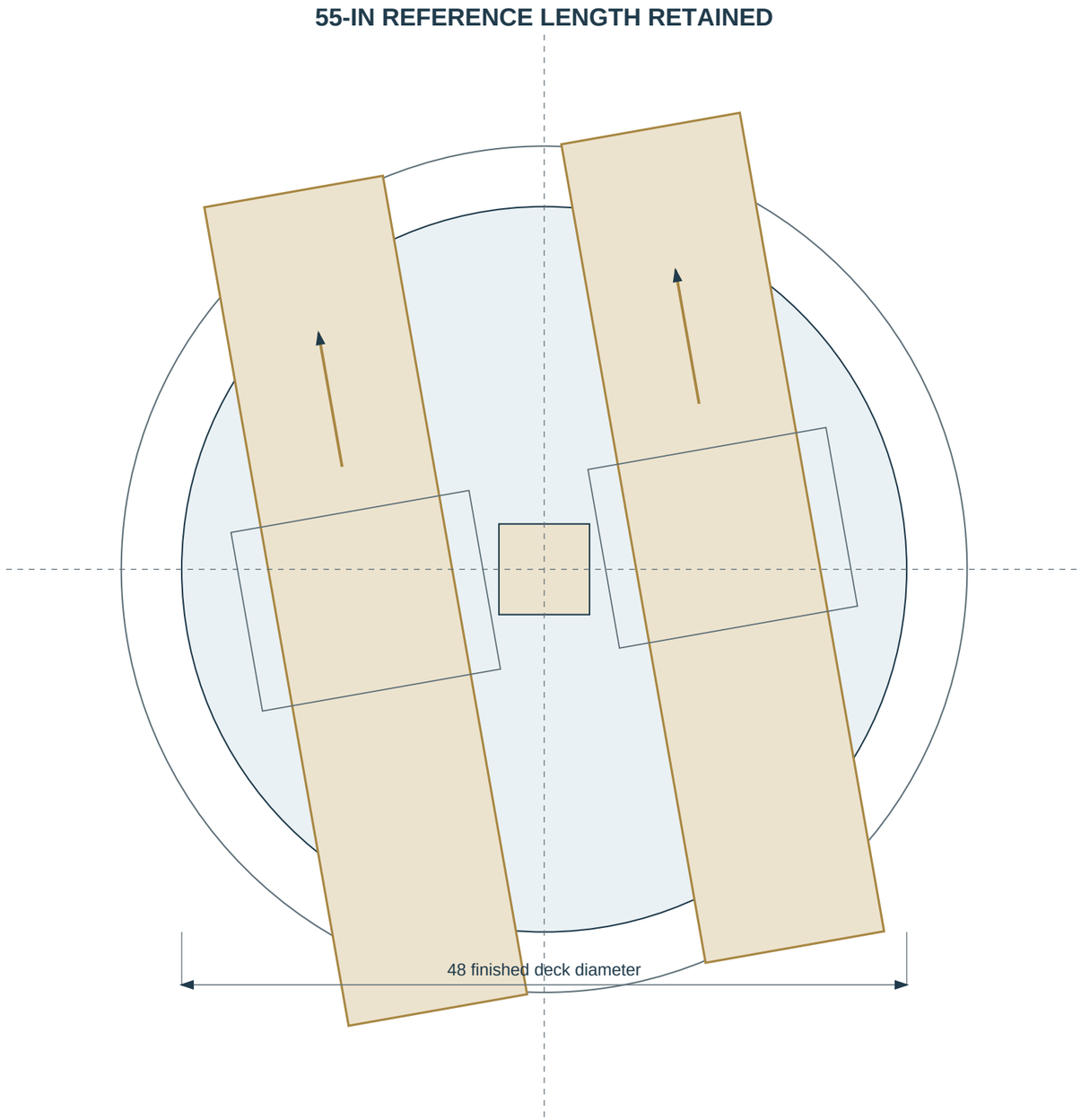
SCALE INTENT

Adults shown at 70 and 65 in, same drawing scale as wall. Scenic door is 63.5 high; not a passage. Printed upper details imply distance. Camera-specific perspective is not calibrated.



Adult 70 Adult 65

C01 ORIGINAL HORSES ON 48-IN BASE - OVERHANG STUDY



Clearance boxes are not CNC templates. Keep approved proportions; repositioning does not authorize shrinking or stretching.

NO HORSE RESIZING

Use the existing approved horse shape at its original scale. The latest reference image labels 55 in nose-to-tail. The earlier caption also says 53 in long / 55 in high; reconcile that source conflict against the original asset before CNC.

The 34-in replacement horse is withdrawn. This study uses a 55 L x 12 W clearance box only; 12 is a planning width, not a command to reshape the original horse. Actual width, height and saddle position remain to be measured.

48-IN BASE / FULL-SIZE OVERHANG

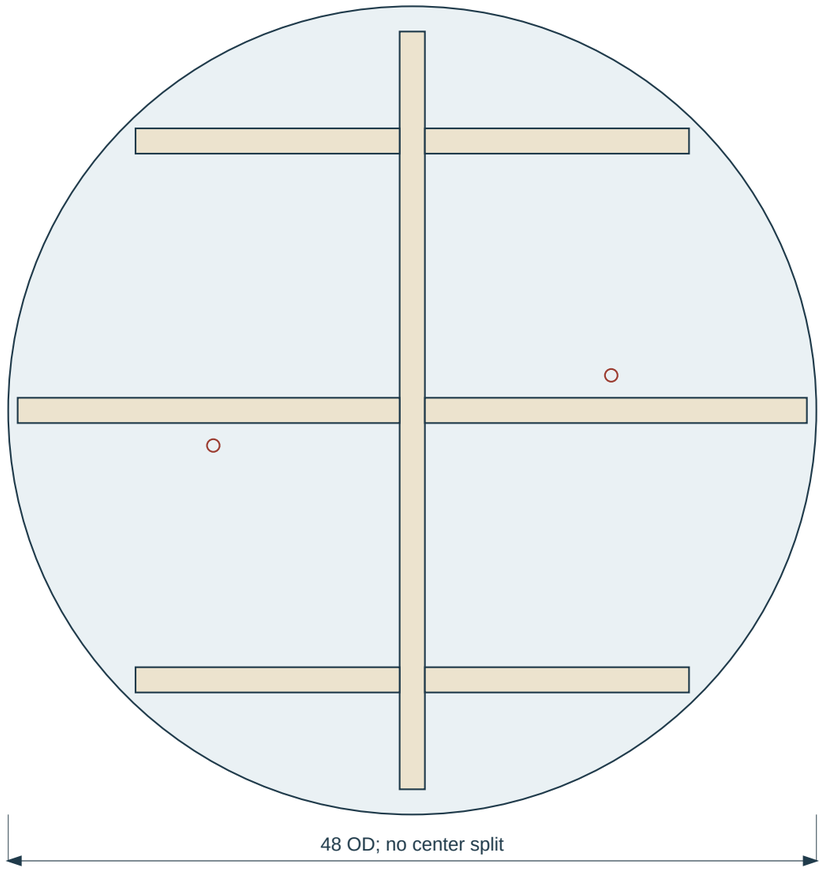
A 48-in circle has no chord longer than 48. Turning a 55-in horse cannot make its complete length fit inside it. Keep the requested base and show decorative overhang; this layout remains provisional until accepted.

Envelope centers before 10-degree rotation: (+/-12,0). After rotation: (+/-11.818,+/-2.084). Both point 100 degrees from +X toward camera. Centerline deck chord at 12 offset = 2 x sqrt(24^2 - 12^2) = 41.569. A centered 55-in length overhangs this chord by 6.715 at each end.

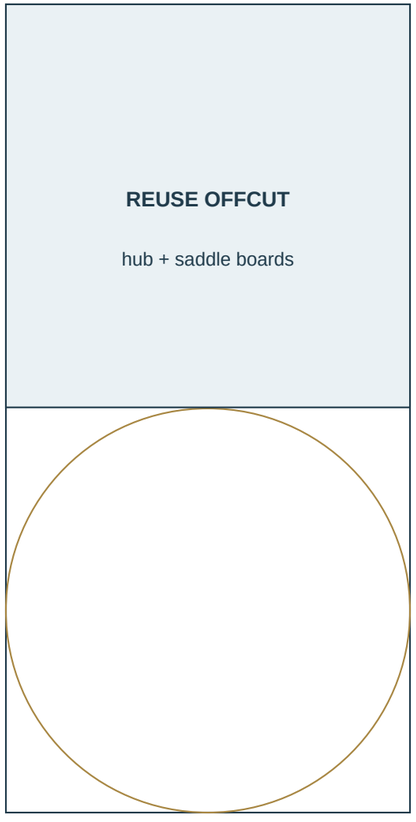
The 16 W x 12 L rider-support zone shown has max radius sqrt(20^2 + 6^2) = 20.881, within the 24-in deck radius. Map the actual saddle, feet and support posts to this zone; no supports may rely on unsupported foam.

C02 BOTTOM PLATFORM - DECK, FASCIA + SUPPORT GRID

DECK SUPPORT GRID / PLAN



ONE 4 x 8 DECK SHEET



QTY	STOCK	CUT SIZE	USE
1	3/4 plywood	48 x 48	ONE-piece circular deck, dia 48
1	2x4	45	Center Y bearer; support concept HOLD
2	2x4	22.688	X half-bearers at Y0; HOLD
4	2x4	15.688	X half-bearers at Y +/-16; HOLD
12	2x4	3.5	Fascia support blocks; field place
2	1/8 hardboard	75.25 x 3.5	Half fascia, trial bend; trim joint

FINISHED HEIGHT / EDGE

Deck: 3/4 plywood, 48 diameter. Frame: 3.5 high on nominal 1/4 anti-slip pads, so deck top Z4.5 AFF. Fascia outer face stays flush with the 48 OD deck; use 1/8 hardboard curved on blocking.

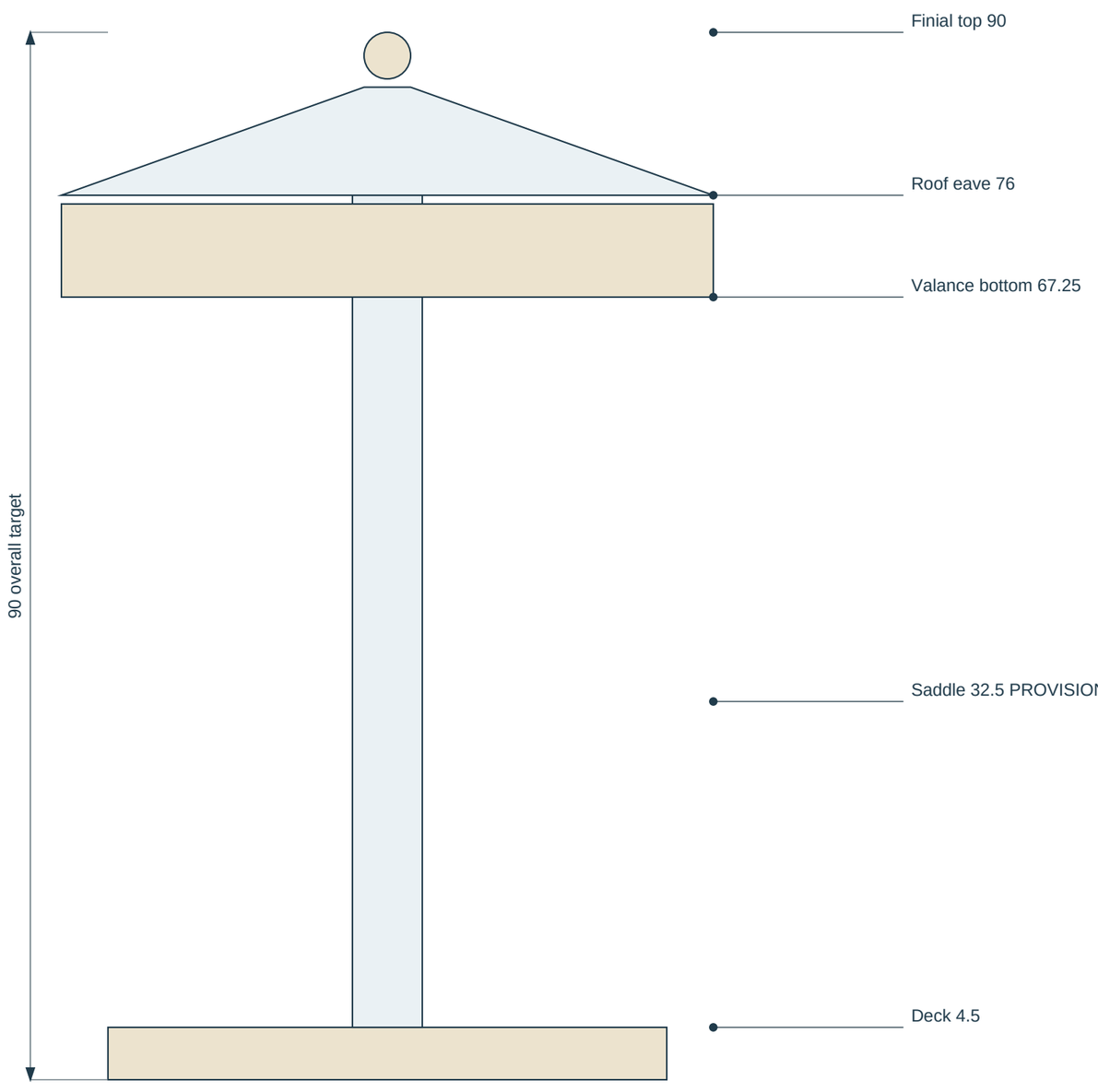
Fascia neutral diameter 47.875; full developed length pi x 47.875 = 150.404. Two half strips 75.202 nominal; trial bend and trim at the joint. Fascia height 3.5, from Z0.25 to deck underside Z3.75. Paint the exposed 3/4 deck edge; do not overlap fascia into the plywood. Round deck edge, add non-slip finish.

LOAD PATH / HOLD

Wood grid supports the walking deck. Horse posts must pass through clearance holes to a steel chassis bearing on the floor; the foam, fascia and plywood skin are not the sole rider support.

Do not drill post holes, cut a structural notch, or release support joints until the reviewed steel chassis is coordinated with this grid. One 100-lb rider alone, two riders and assisted mounting are separate load cases.

C03 CENTER COLUMN + CAROUSEL VERTICAL DATUMS



QTY	STOCK	CUT SIZE	USE
2	3/4 plywood	71.5 x 6	Column wide faces
2	3/4 plywood	71.5 x 4.5	Column narrow faces between wide
4	1x2	70	Column inside corner cleats

REMOVABLE COLUMN SHELL

Finished shell 6 x 6, height 71.5, from deck top Z4.5 to eave datum Z76. Two 6-wide faces lap two 4.5-wide faces, all 3/4 plywood. Four inner 1x2 corner cleats; one face screw-removes for service.

Shell is decorative. Internal mast and coupling carry the canopy. Provide a separate positive mechanical connection through hub and mast; no wood screw into end grain as the only overhead fixing.

Do not fit faux vertical horse poles through the rider area: stationary sculptural horses use concealed support.

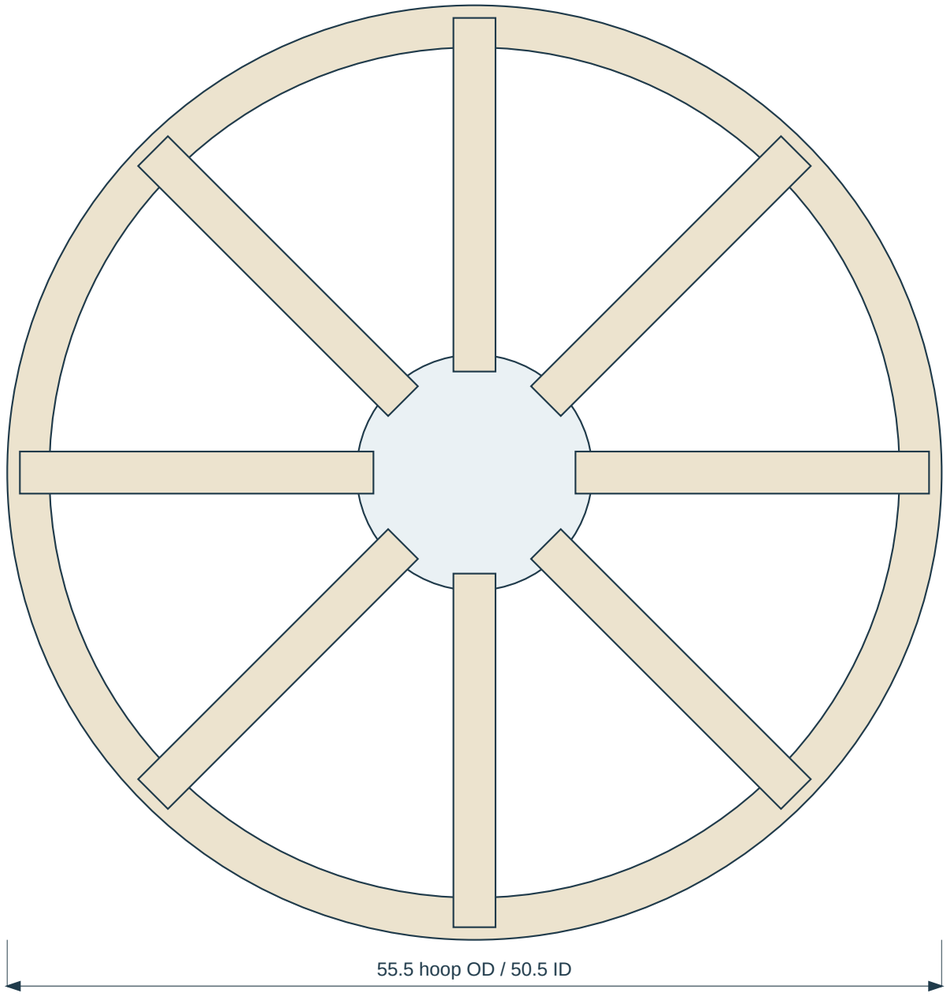
HUMAN FIT / OVERHEAD

Earlier source saddle datum is 28 above deck = 32.5 AFF, provisional until the original horse is measured. A 32-in seated-head allowance would end at 64.5, 2.75 below the valance. This is a planning envelope, not a measured child dimension.

Mock up actual riders, mounting path, hats and hair. If inadequate, raise the canopy within the 94/96 envelope or revise support elevation without resizing the horse. Do not assume height under 58 guarantees clearance.

C04 TENT TOP - HOOPS, SPOKES + VALANCE

TWO SEGMENTED HOOPS + EIGHT FLAT SPOKES



QTY	STOCK	CUT SIZE	USE
16	3/4 plywood	22 x 6	Canopy 45-deg annular sector blanks
1	3/4 plywood	14 x 14	Canopy hub disc
8	1x3	21	Flat spokes, R6 to R27
12	1x3	6.5	Hoop spacer blocks
2	1/8 hardboard	87.6 x 8	Valance halves; neutral circumf. 174.751
16	3/4 plywood	6 x 4	Splice plate blanks; connection detail HOLD

VALANCE

Hardboard 1/8 thick around 55.5 OD ring produces 55.75 finished OD. Neutral diameter 55.625; circumference 174.751. Cut half strips 87.376; budget blanks 87.60 and trim fit. Roof reaches 56 OD. Eight separate M3 medallions at 45-degree intervals; ivory with gold edging.

VERTICAL STACK

Lower hoop: Z67.25-68. Upper hoop: Z74.5-75.25. Twelve 6.5-in spacer blocks join the clear gap. Hub disc: 14 diameter x 3/4, top Z75.25. Eight flat 1x3 spokes sit on hub and ring, top Z76.

Spokes run R6 to R27 (21 long): 1-in hub overlap and 1.75-in bearing onto ring width. Use reviewed through-fixings and backing plates. Face joints and overhead load paths require review.

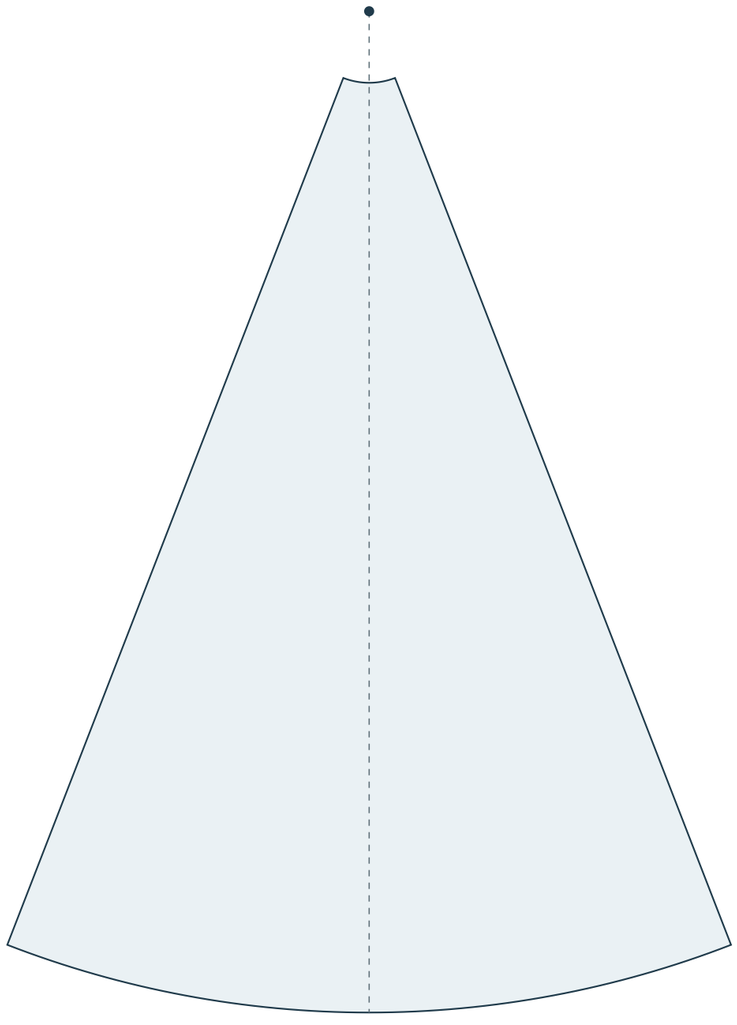
RING SECTORS / TRANSPORT

Each ring = eight 45-degree sectors, R27.75 outer / R25.25 inner. Cut from 22 x 6 rectangular blanks using a trammel/template; align chord horizontally. Maximum blank width about 21.24 and depth 4.42.

Stagger splice plates between rings; do not butt-glue alone. Split canopy into two 56 x 28 transport halves. Locate removable mechanical seam splices away from ornaments.

C05 TENT ROOF - DEVELOPED GORES + FINIAL

CUT EIGHT IDENTICAL DEVELOPED SECTORS



Outer radius 29.732 / inner radius 2.124 / angle 42.378 degrees

CONE GEOMETRY

Roof base radius 28, theoretical rise 10, so full slant radius L = sqrt(28^2 + 10^2) = 29.732. A 4-in-diameter opening truncates the cone. Developed inner radius = L x 2/28 = 2.124.

Each of eight gores spans 45 degrees in plan. Flat sector angle = 45 x 28/L = 42.378 degrees. Radial cut length = 27.608. Eave arc length per gore = 2 x pi x 28/8 = 21.991.

Cone eave Z76; theoretical apex Z86. Opening rim Z85.286. Use 1/8 hardboard or supplied flexible equivalent. Butt gores over support ribs; add rear seam straps. Do not add overlap without adjusting sector geometry.

RIB / CAP DETAILS

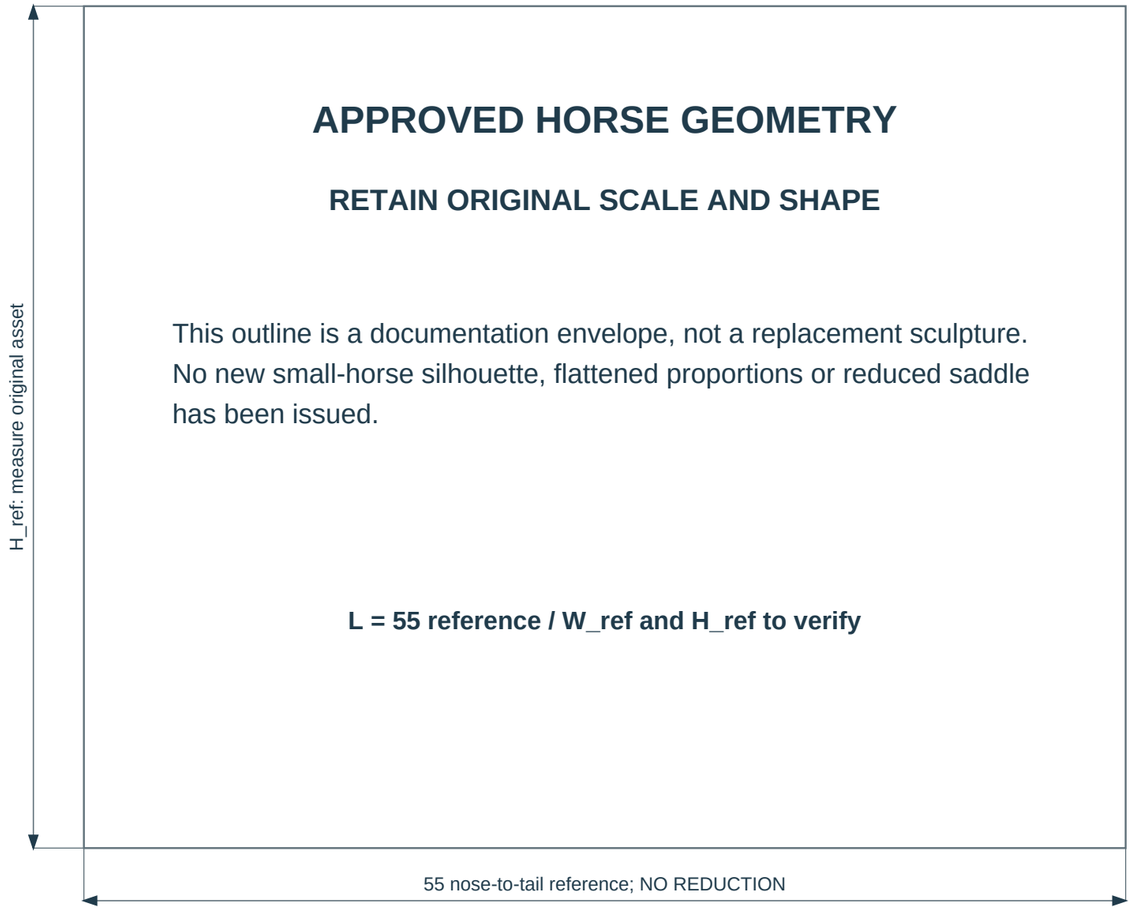
Eight rib blanks: 1x2 x 30, trim to the slant and actual hub bearing. Develop one full-scale test gore before cutting eight. Bend without cracking; seal both sides.

Cap the 4-in opening with a supplied round disc. A positively retained short stem sets a 4-in ball finial from Z86 to Z90. All cap/finial parts mechanically fasten to mast; no foam-only anchor.

Painting: alternate ivory/champagne gold bands; no roof print charge. The FACADE upper roof is the printed portion.

H01 LEFT HORSE - PRESERVE APPROVED HORSE

SEPARATE HORSE PACKAGE / OUTBOARD VIEW



PLAN POSITION

LEFT HORSE proposed envelope center: X-11.818, Y-2.084. Both horses face 100 degrees from +X. This locates the reference envelope; it does not set a drill point through the existing saddle.

C01 keeps the 48-in base and shows nose/tail overhang. Verify the real mesh against the 12-in planning width. If the original is wider, revise placement; do not trim the horse to this box.

FABRICATION SEQUENCE

1. Open the original approved horse asset and verify units.
2. Record nose-tail, hoof-ear, maximum width and saddle location at unchanged scale.
3. Place both copies on the C01 study and inspect all mesh collisions.
4. Coordinate steel core, saddle, grips and foot supports with the reviewed structure.
5. Split foam / machine pockets around that steel; retain shell access.
6. CNC, laminate, finish and test by the reviewed procedure.

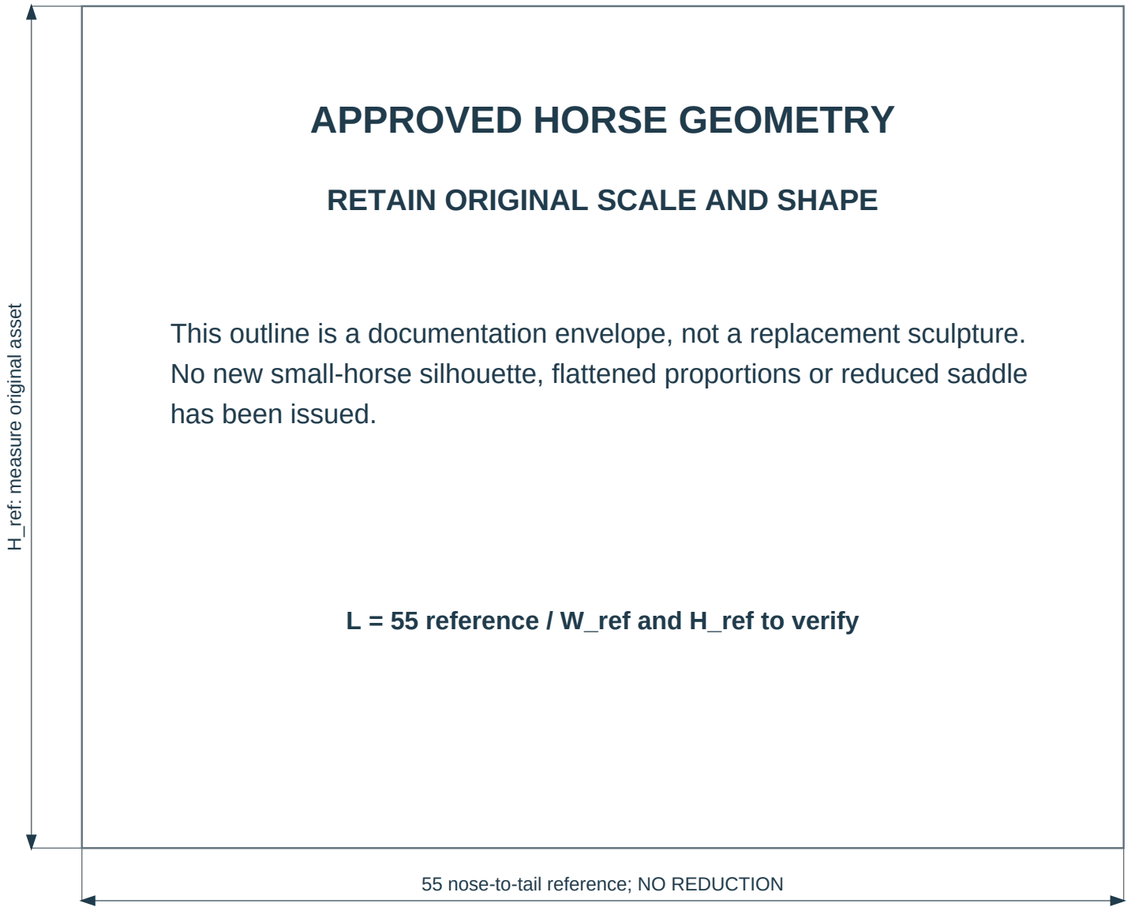
Final 3D mesh, pocket geometry and toolpaths are not supplied by this envelope sheet.

MATERIAL RESERVATION

Raw foam and steel are supplied/on hand; CNC is in house. The earlier 24 x 48 x 1/2 seat-board plywood stock allowance is restored for two original-size saddles. Cut each board to the retained saddle after support review. No 8 x 11 saddle or compact foot pad is specified.

H02 RIGHT HORSE - PRESERVE APPROVED HORSE

SEPARATE HORSE PACKAGE / OUTBOARD VIEW



PLAN POSITION

RIGHT HORSE proposed envelope center: X11.818, Y2.084. Both horses face 100 degrees from +X. This locates the reference envelope; it does not set a drill point through the existing saddle.

C01 keeps the 48-in base and shows nose/tail overhang. Verify the real mesh against the 12-in planning width. If the original is wider, revise placement; do not trim the horse to this box.

FABRICATION SEQUENCE

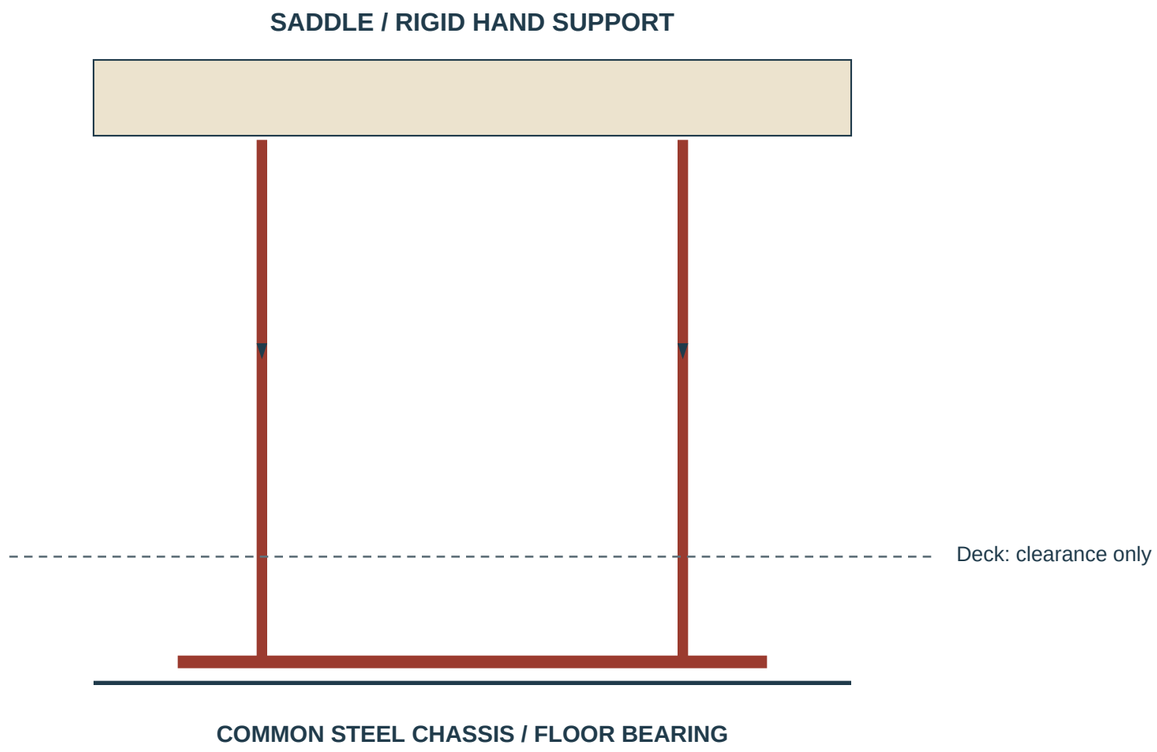
1. Open the original approved horse asset and verify units.
2. Record nose-tail, hoof-ear, maximum width and saddle location at unchanged scale.
3. Place both copies on the C01 study and inspect all mesh collisions.
4. Coordinate steel core, saddle, grips and foot supports with the reviewed structure.
5. Split foam / machine pockets around that steel; retain shell access.
6. CNC, laminate, finish and test by the reviewed procedure.

Final 3D mesh, pocket geometry and toolpaths are not supplied by this envelope sheet.

MATERIAL RESERVATION

Raw foam and steel are supplied/on hand; CNC is in house. The earlier 24 x 48 x 1/2 seat-board plywood stock allowance is restored for two original-size saddles. Cut each board to the retained saddle after support review. No 8 x 11 saddle or compact foot pad is specified.

H03 HORSE SUPPORT - LOAD PATH + REVIEW BRIEF



CONFIRMED SERVICE LOAD

Two riders at 100 lb each = 200 lb total specified static rider weight. Also evaluate a single rider at either saddle, mounting/dismounting, leaning/pulling handles, caregiver assistance, canopy dead load and accidental lateral contact.

200 lb is NOT a tested safe working load or a proof-test value. Do not assign a load rating by adding individual hardware catalog ratings. Engineer selects load factors, materials, welds, bolts, deflection and overturning criteria.

FABRICATOR DELIVERABLES

Coordinate a floor-bearing steel chassis inside 48 OD and the 3.5-in deck void. Supports emerge at the C01 horse centers and under the independent central mast. Keep it clear of the C02 wood grid, or issue a revised grid.

Supply signed/checked member sizes, steel grades, plate thicknesses, weld symbols, base footprint, exact hole patterns, fastener grades, mast coupling and corrosion protection. Include positive retention for canopy, saddles and removable horse shells.

Stock reservation only: allow about 40 linear ft tube and 6 sq ft plate from supplied stock; final quantities follow the reviewed design. These are not cut dimensions.

ACCEPTANCE

Use nonhuman loads for the reviewed test procedure. Check stability with one saddle loaded, both loaded and lateral actions; inspect welds, fixings and permanent movement. Confirm all contact edges, foot supports and openings on the finished shell. A responsible adult assists each rider; no standing on horses.

CPSC playground guidance is a hazard-screening reference for falls, protrusions and entrapment, not a claim that this photo set meets a playground standard.

B01 MATERIALS BUDGET - TAX + CONTINGENCY

COST GROUP	AMOUNT
Wood	$1,238.00
Paint	$585.00
Hardware	$638.40
Lamps and wreaths	$157.96
Materials subtotal	$2,619.36
Paramount tax 10.5% (20 Sep 2026)	$275.03
Materials including tax	$2,894.39
Contingency 10% of materials + tax	$289.44
TOTAL - CURRENT TAX	$3,183.83

Most unit rates are planning allowances, not supplier quotations.

Contingency is a reserve applied after estimated tax; it is not a separately taxable purchase line. No second tax is added to this reserve. Reconcile inventory before buying. Wood stock counts include one spare stick per framing type; this is separate from the financial reserve.

Source: cdtfa.ca.gov/taxes-and-fees/rates.aspx

SEPTEMBER PROJECT

This project ends in September. Apply the previously requested Paramount sales tax of 10.5% to priced materials. No later-period rate or extra tax scenario is included.

Contingency remains 10% of the tax-inclusive materials subtotal. No labor, freight, printing service or CNC service charge is added.

WHAT CHANGED

This is a new coordinated takeoff, not the earlier $2,950.21 total plus decor. Stock now follows separate arched window carriers, removable pillars and a single 48-in stationary deck.

Lamps / LED inserts $100, two wreaths $39.96, ribbon/hooks $18 are INCLUDED. Casters, rotary parts, freight and loose props are removed. Printing, horse CNC and labor remain excluded.

Raw foam, raw steel, resin/hardcoat, opal diffusers and existing window lighting are supplied/on hand. Their replacement value is not zero. Engineering and any required stock shortfall are unpriced.

B02 LINEAR STOCK PACKING - SAW KERF INCLUDED

STOCK	STICK	CUTS / PART PACKAGE	REMAINDER
1x3	1	72.5 [G03] + 21 [C04]	2.25
1x3	2	72.5 [G03] + 21 [C04]	2.25
1x3	3	72.5 [G03] + 21 [C04]	2.25
1x3	4	72.5 [G03] + 21 [C04]	2.25
1x3	5	70 [F03] + 24.25 [F03]	1.5
1x3	6	70 [F03] + 24.25 [F03]	1.5
1x3	7	70 [F02] + 24.25 [F03]	1.5
1x3	8	70 [F02] + 24.25 [F03]	1.5
1x3	9	70 [F01] + 24.25 [F01]	1.5
1x3	10	70 [F01] + 24.25 [F01]	1.5
1x3	11	68.5 [F03] + 24.25 [F01]	3
1x3	12	68.5 [F03] + 24.25 [F01]	3
1x3	13	68.5 [F01] + 24 [F04]	3.25
1x3	14	68.5 [F01] + 24 [F04]	3.25
1x3	15	66 [G03] + 24 [F04]	5.75
1x3	16	66 [G03] + 24 [F04]	5.75
1x3	17	66 [G03] + 24 [F04]	5.75
1x3	18	66 [G03] + 24 [F04]	5.75
1x3	19	46.5 [F04] + 46.5 [F04]	2.75

Packing includes 1/8 in kerf PER cut. Remainders exclude additional end-trimming; budget carries spare sticks.

B02-2 LINEAR STOCK PACKING - CONTINUED

STOCK	STICK	CUTS / PART PACKAGE	REMAINDER
1x3	20	46.5 [F04] + 46.5 [F04]	2.75
1x3	21	46.5 [F04] + 46.5 [F04]	2.75
1x3	22	46.5 [F04] + 46.5 [F04]	2.75
1x3	23	46.5 [F04] + 46.5 [F04]	2.75
1x3	24	46.5 [F04] + 46.5 [F04]	2.75
1x3	25	46.5 [F03] + 46.5 [F03]	2.75
1x3	26	46.5 [F03] + 46.5 [F02]	2.75
1x3	27	46.5 [F02] + 46.5 [F02]	2.75
1x3	28	46.5 [F02] + 46.5 [F02]	2.75
1x3	29	46.5 [F02] + 46.5 [F02]	2.75
1x3	30	46.5 [F02] + 46.5 [F02]	2.75
1x3	31	46.5 [F01] + 46.5 [F01]	2.75
1x3	32	46.5 [F01] + 46.5 [D01]	2.75
1x3	33	21 [C04] + 21 [C04] + 21 [C04] + 21 [C04] + 11.375 [F03]	0
1x3	34	11.375 [F03] + 11.375 [F03] + 11.375 [F01] + 11.375 [F01] + 11.375 [F01] + 9.375 [F03] + 9.375 [F03] + 9.375 [F03] + 9.375 [F01]	0.5
1x3	35	9.375 [F01] + 9.375 [F01] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04] + 6.5 [C04]	4.125
1x3	36	6.5 [C04]	89.375
1x4	1	48 [T01] + 34 [D01] + 12 [G03]	1.625
1x4	2	48 [T01] + 34 [D01] + 12 [G03]	1.625

Packing includes 1/8 in kerf PER cut. Remainders exclude additional end-trimming; budget carries spare sticks.

B02-3 LINEAR STOCK PACKING - CONTINUED

STOCK	STICK	CUTS / PART PACKAGE	REMAINDER
1x4	3	48 [T01] + 34 [D01] + 12 [G03]	1.625
1x4	4	28 [T01] + 28 [T01] + 12 [G03] + 12 [G03] + 12 [G03]	3.375
1x4	5	12 [G03] + 12 [G03] + 12 [G03] + 4 [P01] + 4 [P01]	51.375
2x4	1	45 [C02] + 30 [G03] + 15.688 [C02] + 3.5 [C02]	1.312
2x4	2	30 [G03] + 30 [G03] + 30 [G03] + 3.5 [C02]	2
2x4	3	22.688 [C02] + 22.688 [C02] + 15.688 [C02] + 15.688 [C02] + 15.688 [C02]	2.938
2x4	4	3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02] + 3.5 [C02]	59.75
1x2	1	70 [C03] + 24.75 [W01]	1
1x2	2	70 [C03] + 24.75 [W01]	1
1x2	3	70 [C03] + 24.75 [W01]	1
1x2	4	70 [C03] + 24.75 [W01]	1
1x2	5	42.25 [W01] + 42.25 [W01] + 4 [W04] + 4 [W04] + 2 [P01]	0.875
1x2	6	42.25 [W01] + 42.25 [W01] + 4 [W04] + 4 [W04] + 2 [P01]	0.875
1x2	7	30 [C05] + 30 [C05] + 30 [C05] + 4 [W04]	1.5
1x2	8	30 [C05] + 30 [C05] + 30 [C05] + 4 [W04]	1.5
1x2	9	30 [C05] + 30 [C05] + 22 [W04] + 4 [W04] + 4 [W04] + 4 [P01]	1.25
1x2	10	22 [W04] + 22 [W04] + 22 [W04] + 4 [P01] + 4 [P01] + 4 [P01] + 4 [P01] + 4 [P01] + 4 [P01] + 4 [P01]	0.75
1x2	11	3 [W04] + 3 [W04] + 2 [P01] + 2 [P01] + 2 [P01] + 2 [P01] + 2 [P01] + 2 [P01]	77
1x6	1	48 [T01]	47.875

Packing includes 1/8 in kerf PER cut. Remainders exclude additional end-trimming; budget carries spare sticks.

B02-4 LINEAR STOCK PACKING - CONTINUED

STOCK	STICK	CUTS / PART PACKAGE	REMAINDER
1x6	2	48 [T01]	47.875
1x6	3	48 [T01]	47.875
Simple molding	1	48 [T01]	47.875
Simple molding	2	48 [T01]	47.875
Simple molding	3	48 [T01]	47.875
Simple molding	4	48 [T01]	47.875
Simple molding	5	48 [T01]	47.875
Simple molding	6	48 [T01]	47.875

Packing includes 1/8 in kerf PER cut. Remainders exclude additional end-trimming; budget carries spare sticks.

B03 SHEET STOCK NESTING + REUSE REGISTER

MATERIAL	ALLOCATION	NEST / CUT ORDER
1/4 luan	Sheets 1-3	Each: 48 x 70 lower + 48 x 24 upper; 1/8 kerf, 1.875 spare length
1/4 luan	Sheet 4	Door back 38 x 63.5; cornice filler and backing from remainder
1/4 luan	Sheet 5	Two lightbox backs, rotate to 42.25 W x 26.25 L; stack along sheet
1/2 MDF	Sheet 1	Two 28 x 43 surround blanks stacked lengthwise; two 15.75 x 39.75 leaves in side strip
1/2 MDF	Sheet 2	Two 24 x 40 carrier blanks stacked lengthwise; four 5 x 52.5 shaft faces in side strip
1/2 MDF	Sheet 3	Eight 2.5 x 52.5 returns occupy about 21 width; 38 x 19 door arch rotated into 19-wide strip; casing legs beside; small bases/caps below
1/4 MDF	Sheet 1	Two 24 x 40 masks stacked lengthwise; 32 x 16 fanlight rotated in side strip; medallions from arch center waste / remainder
3/4 plywood	Sheet 1	48-dia deck at one end; opposite 48 x 47.875 remnant: 14-dia hub + ornament backing and reviewed support blocking
3/4 plywood	Sheet 2	16 hoop blanks 22 x 6: 2 across x 8 along = 44.125 x 48.875; seam splice plates from remaining sheet
3/4 plywood	Sheet 3	Four 71.5-long column faces (6,6,4.5,4.5 widths); remainder for chassis/interface blocking after review
1/8 hardboard	Sheets 1-2	Eight 22 x 30 gore blanks; four per sheet leaves room for trial gore / seam straps
1/8 hardboard	Sheet 3	Two 87.6 x 8 valance strips + two 75.25 x 3.5 base strips; orient lengths along 96

All sheet layouts allow 1/8 kerf between blanks; verify real sheet size. Full 48-in deck uses both factory side tangencies.

B04-1 PRICED MATERIALS - ITEMIZED

ID	MATERIAL	QTY	UNIT	UNIT $	EXTENSION	TAKEOFF / BASIS
S1	1x3 x 8 ft	37	stick	$8.00	$296.00	36 packed sticks + 1 spare; see B02
S2	1x2 x 8 ft	12	stick	$5.00	$60.00	11 packed sticks + 1 spare; see B02
S3	1x4 x 8 ft	6	stick	$10.00	$60.00	5 packed sticks + 1 spare; see B02
S4	1x6 x 8 ft	4	stick	$15.00	$60.00	3 packed sticks + 1 spare; see B02
S5	2x4 x 8 ft	5	stick	$5.00	$25.00	4 packed sticks + 1 spare; see B02
S6	Simple molding x 8 ft	6	stick	$12.00	$72.00	6 packed sticks + 0 spare; see B02
S7	Small panel / flute molding x 8 ft	6	stick	$14.00	$84.00	Door panel rectangles 17.17 ft; window mullions and arch detail allowance. Pillar flutes ROUTED, not purchased 44-ft molding.
S8	1/4 luan 4 x 8	5	sheet	$25.00	$125.00	3 flat skins + 1 door back + 1 two-window lightbox backs
S9	1/2 MDF 4 x 8	3	sheet	$50.00	$150.00	Pillars, arch surrounds, door leaves/ring, arched carriers; see B03
S10	1/4 MDF 4 x 8	1	sheet	$32.00	$32.00	Window face rings, door fanlight, medallion backing; nested from offcuts
S11	3/4 plywood 4 x 8	3	sheet	$65.00	$195.00	1 full deck sheet; 1 canopy sectors; 1 column shell. Hub and backing from deck offcut; separate original saddle-board stock.
S13	1/2 plywood seat-board stock, 2 x 4 ft	1	panel	$25.00	$25.00	Original saddle contour retained; final shape and support detail HOLD
S12	1/8 hardboard 4 x 8	3	sheet	$18.00	$54.00	2 cone-gore sheets + 1 fascia/valance sheet; trial-bend stock
P50	Steel primer	1	quart	$25.00	$25.00	Compatible with final finish and adhesive system
P51	Water-based primer	2	gallon	$35.00	$70.00	Facade and carousel scenic surfaces

Rates exclude labor, delivery and machining. Items shown as provisional may change after final steel / product coordination.

B04-2 PRICED MATERIALS - ITEMIZED

ID	MATERIAL	QTY	UNIT	UNIT $	EXTENSION	TAKEOFF / BASIS
P52	Limestone base / glaze colors	2	gallon	$40.00	$80.00	Painted stone; no actual stone veneer
P53	Ivory satin/eggshell	2	gallon	$40.00	$80.00	Carousel and horses
P54	Blue-grey door paint	1	quart	$25.00	$25.00	Soft desaturated Parisian door
P55	Charcoal / black finish	2	quart	$25.00	$50.00	Roof touch-up and faux ironwork
P56	Metallic champagne gold	2	quart	$55.00	$110.00	Painted gold; no real gold leaf
P57	Compatible protective clear finish	1	gallon	$55.00	$55.00	Horse contact areas and deck; product suitability to be confirmed
P58	Glaze medium	1	quart	$30.00	$30.00	Restrained stone aging
P59	Brushes, rollers, tape, filler, sandpaper	1	lot	$60.00	$60.00	Scenic painting and touch-up supplies
H1	Loose-pin hinges	24	each	$2.60	$62.40	8 bay-seam hinges; jack / detachable detail hinges and spares
H2	Stack bolts, inserts and washers	1	lot	$30.00	$30.00	18 positions
H3	Facade glue, screws and staples	1	lot	$55.00	$55.00	Flat assembly
H4	Decorative door ring handles	2	each	$12.00	$24.00	Scenic door
H5	Anti-slip floor pads / leveling shims	1	lot	$20.00	$20.00	Stationary base; no casters
H6	Deck, mast and canopy bolts / plates	1	lot	$125.00	$125.00	Provisional until structure reviewed
H7	Carousel glue, screws and brads	1	lot	$40.00	$40.00	Separate assembly lot

Rates exclude labor, delivery and machining. Items shown as provisional may change after final steel / product coordination.

B04-3 PRICED MATERIALS - ITEMIZED

ID	MATERIAL	QTY	UNIT	UNIT $	EXTENSION	TAKEOFF / BASIS
H8	Horse anchor hardware	2	set	$35.00	$70.00	Final specification by reviewed support design
H9	Horse saddle fixings / washers	1	set	$50.00	$50.00	Provisional fixing lot
H10	Window knurled screws / washers	8	each	$2.50	$20.00	1/4-20, nominal 1.5 length; verify
H11	Window threaded inserts	8	each	$1.25	$10.00	Into hardwood receivers
H12	Window turn-buttons	16	each	$0.75	$12.00	8 per glazing pack
H13	Gasket tape	1	roll	$10.00	$10.00	Window light seal
H14	Pillar / ornament fixings and tethers	1	lot	$60.00	$60.00	Positive removable mounting
H15	Clear PETG 1/16, 24 x 48	2	panel	$25.00	$50.00	Arched protective lenses
L1	Lantern body	2	each	$35.00	$70.00	Each within 6 W x 13 H x 5 D
L2	Battery warm LED insert	2	each	$15.00	$30.00	Match selected lantern and battery access
L3	16-in Northlight unlit wreath	2	each	$19.98	$39.96	Model 32615050; two window wreaths
L4	Gold ribbon and removable hooks	1	lot	$18.00	$18.00	Fixed facade decoration only

Rates exclude labor, delivery and machining. Items shown as provisional may change after final steel / product coordination.

B05 SUPPLIED MATERIALS + HARDWARE PROCUREMENT

MATERIAL	QUANTITY / RESERVATION	STATUS / CHECK
EPS horse foam	2 original-size horses; L55 reference, W_ref / H_ref to measure	Do not order or machine foam from a reduced envelope
EPS ornament stock	4 capitals + 15 medallions + finial	Capital 6 x 6 x 2; medallions M01; ball dia4
Steel horse / mast supports	Reservation: 40 ft tube + 6 sq ft plate	Grades, sections, weld sizes and final quantities HOLD
Hardcoat / compatible resin / cloth	Original register: 1 gal epoxy kit + 50-in x 10-yd cloth	Check actual horse surface area and product coverage; quantity adequacy unverified
EPS-compatible adhesive	1 job lot	Check supplied chemistry; keep solvent attack off EPS
Opal diffuser 1/8	2 blanks 22.4375 x 38.4375	Arch trim W02; supplied stock
Window lighting	2 matched listed low-voltage kits	About 11 ft strip each, drivers and connectors; verify on hand
Print media	Roof 24.76 sq ft including bleed; windows 11.98 sq ft bounding rectangles	Printing and CNC in house; no service charge
Ballast / facade anchoring	4 x 25 lb bags previously logged	Inventory only; venue stability solution remains to be set
Finish / assembly hardware	See B04 priced list	Do not duplicate supplied hardware in a purchase order

No trees, bench, loose presents, floor snow or separate props are in this book or budget.

Unpriced on-hand quantities are a stock check, not an assurance that the existing inventory is adequate.

B06-1 MASTER CUT REGISTER

PACKAGE	MATERIAL	QTY	CUT / ENVELOPE	USE
F01	1x3	2	70	Full stiles
F01	1x3	2	46.5	Rails / toggles
F01	1x3	2	68.5	Opening jambs
F01	1x3	4	24.25	Headers + blocking
F01	1x3	2	11.375	Long side toggles
F01	1x3	2	9.375	Short side toggles
F01	1/4 luan	1	70 x 48	Skin; cut aperture last
F02	1x3	2	70	Full stiles
F02	1x3	6	46.5	Rails / toggles
F02	1/4 luan	1	70 x 48	Solid skin
F03	1x3	2	70	Full stiles
F03	1x3	2	46.5	Rails / toggles
F03	1x3	2	68.5	Opening jambs
F03	1x3	4	24.25	Headers + blocking
F03	1x3	2	11.375	Long side toggles
F03	1x3	2	9.375	Short side toggles
F03	1/4 luan	1	70 x 48	Skin; cut aperture last
F04	1x3	6	24	Upper stiles; 3 panels

Rectangles for curved parts are blanks. Follow individual profiles before cutting. Structural HOLD notes override this register.

B06-2 MASTER CUT REGISTER

PACKAGE	MATERIAL	QTY	CUT / ENVELOPE	USE
F04	1x3	12	46.5	Rails / mid toggle / stack backing
F04	1/4 luan	3	24 x 48	Roof print skins
F01	1x3	1	46.5	Stack backing rail at Z66
F02	1x3	1	46.5	Stack backing rail at Z66
F03	1x3	1	46.5	Stack backing rail at Z66
F02	1x3	2	46.5	Pillar anchor rails at Z10 and Z52
F01	1x3	1	11.375	Pillar bottom long backing Z10
F01	1x3	1	9.375	Pillar bottom short backing Z10
F03	1x3	1	11.375	Pillar bottom long backing Z10
F03	1x3	1	9.375	Pillar bottom short backing Z10
G03	1x4	9	12	Rear stack cleats
G03	1x3	4	66	Jack uprights
G03	1x3	4	72.5	Jack diagonals, fit pins
G03	2x4	4	30	Jack feet
P01	1/2 MDF	4	52.5 x 5	Shaft faces
P01	1/2 MDF	8	52.5 x 2.5	Shaft returns
P01	1/2 MDF	4	5.5 x 6	Base faces
P01	1/2 MDF	8	5.5 x 2.5	Base returns

Rectangles for curved parts are blanks. Follow individual profiles before cutting. Structural HOLD notes override this register.

B06-3 MASTER CUT REGISTER

PACKAGE	MATERIAL	QTY	CUT / ENVELOPE	USE
P01	1/2 MDF	4	6 x 6	Capital backplates
P01	1x2	8	4	Outer pillar paired cleats
P01	1x2	8	2	Seam pillar paired cleats
P01	1x4	2	4	Lamp blocks inside seam pillars
W01	1x2	4	42.25	Two lightbox stiles
W01	1x2	4	24.75	Two lightbox rails
W01	1/4 luan	2	42.25 x 26.25	Lightbox backs
W01	1/2 MDF	2	43 x 28	Fixed arch surround blank
W02	1/2 MDF	2	40 x 24	Arched carrier ring, 1-in border
W02	1/4 MDF	2	40 x 24	Arched front masks
W02	1/8 opal	2	38.438 x 22.438	ARCHED diffuser; supplied
W02	1/16 PETG	2	38.438 x 22.438	ARCHED protective lens
W02	Printed film	2	38.438 x 22.438	ARCHED graphic, in house
W04	1x2	8	4	Receiver blocks; horizontal
W04	1x2	4	22	Lightbox spacer battens
W02	Panel molding	2	38	1/2-wide center mullions
W02	Panel molding	2	22	1/2-wide cross mullions
D01	1/4 luan	1	63.5 x 38	Door module backer

Rectangles for curved parts are blanks. Follow individual profiles before cutting. Structural HOLD notes override this register.

B06-4 MASTER CUT REGISTER

PACKAGE	MATERIAL	QTY	CUT / ENVELOPE	USE
D01	1/2 MDF	2	39.75 x 15.75	Equal faux door leaves
D01	1/2 MDF	2	44.5 x 3	Casing legs
D01	1/2 MDF	1	19 x 38	Semicircle arch ring blank
D01	1x4	3	34	Top cleat pair + lower lock strip
D01	1/4 MDF	1	16 x 32	Fanlight backer blank
D01	1x3	1	46.5	F02 added door cleat rail Z40
T01	1x4	3	48	Cornice belts
T01	1x6	3	48	Plinth segments
T01	1x4	2	28	Window sills, 3.5 deep
T01	Simple molding	6	48	Two cornice profiles / bay
C02	3/4 plywood	1	48 x 48	ONE-piece circular deck, dia 48
C02	2x4	1	45	Center Y bearer; support concept HOLD
C02	2x4	2	22.688	X half-bearers at Y0; HOLD
C02	2x4	4	15.688	X half-bearers at Y +/-16; HOLD
C02	2x4	12	3.5	Fascia support blocks; field place
C02	1/8 hardboard	2	75.25 x 3.5	Half fascia, trial bend; trim joint
C03	3/4 plywood	2	71.5 x 6	Column wide faces
C03	3/4 plywood	2	71.5 x 4.5	Column narrow faces between wide

Rectangles for curved parts are blanks. Follow individual profiles before cutting. Structural HOLD notes override this register.

B06-5 MASTER CUT REGISTER

PACKAGE	MATERIAL	QTY	CUT / ENVELOPE	USE
C03	1x2	4	70	Column inside corner cleats
C04	3/4 plywood	16	22 x 6	Canopy 45-deg annular sector blanks
C04	3/4 plywood	1	14 x 14	Canopy hub disc
C04	1x3	8	21	Flat spokes, R6 to R27
C04	1x3	12	6.5	Hoop spacer blocks
C04	1/8 hardboard	2	87.6 x 8	Valance halves; neutral circumf. 174.751
C05	1/8 hardboard	8	30 x 22	Cone gore blank; developed sector
C05	1x2	8	30	Roof rib blanks; trim to slope
W04	1x2	2	3	Wreath hook backing; contour to crown
F05	1/4 luan	12	6 x 6	Rip diagonally: 24 corner gussets; aperture waste
T01	1/4 luan	3	48 x 2.5	Cornice belt filler; door-back offcut
P02	EPS foam	4	6 x 6 x 2	Capital relief blocks; supplied
M01	1/4 MDF	2	4 x 4	Medallion backing square; cut circle
M01	1/4 MDF	1	4.5 x 4.5	Medallion backing square; cut circle
M01	1/4 MDF	8	3 x 3	Medallion backing square; cut circle
M01	1/4 MDF	4	3.5 x 3.5	Medallion backing square; cut circle
M01	3/4 plywood	2	4 x 4	Window crown backing blocks; offcut
C04	3/4 plywood	16	6 x 4	Splice plate blanks; connection detail HOLD

Rectangles for curved parts are blanks. Follow individual profiles before cutting. Structural HOLD notes override this register.

B06-6 MASTER CUT REGISTER

PACKAGE	MATERIAL	QTY	CUT / ENVELOPE	USE
C05	3/4 plywood	1	4 x 4	Round cone cap; offcut; retain to mast
H01/H02	1/2 plywood stock	1	48 x 24	Seat-board STOCK; final contour from unchanged horse
H01	EPS foam	1	55 x W_ref x H_ref	Original horse retained; L x W x H; verify model
H02	EPS foam	1	55 x W_ref x H_ref	Original horse retained; L x W x H; verify model

Rectangles for curved parts are blanks. Follow individual profiles before cutting. Structural HOLD notes override this register.

X00 DXF + PNG FABRICATION PACKAGE

52 DXF + 52 MATCHING LINEWORK PNG FILES

Folder: RevE_DXF_PNG
DXF/ = AutoCAD 2000 ASCII geometry, modelspace 1 unit = 1 inch.
PNG/ = monochrome outlines on exact blank-sized canvases.
RELIEF_HEIGHTMAPS/ = five 16-bit, 300 dpi stepped relief maps.
PREVIEWS/ = white/gold appearance images and contact sheet.
file_index.csv + manifest.json = dimensions, quantity, material, operation and origin.

The file index lists operations, not additional parts. M1 has five files, but its finished quantity remains TWO ornaments.

IMPORT / MACHINING CONTRACT

Origin is lower-left of each nominal blank; +X right, +Y up. All operations for a part share this same coordinate frame, even when their visible geometry has smaller extents. Preserve XY on import. Do not center each operation independently.

Z0 for ornament pockets = original foam TOP. Window rebate is measured from the REAR face. Final outside profiles are uncompensated nominal geometry. CAM applies cutter radius or laser kerf once.

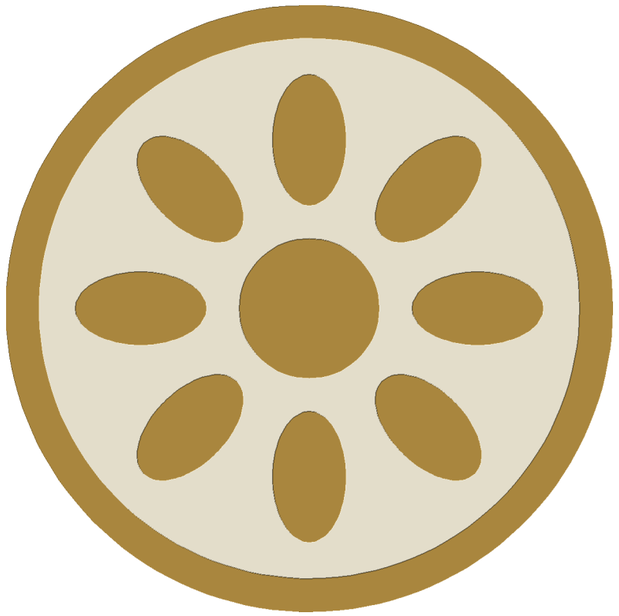
No automatic nesting, tabs, dogbones, feeds, speeds, laser power, pass count or G-code is supplied. Select these for the actual machine and material.

GEOMETRY LAYER	INTERPRETATION	PROCESS
CUT_OUTER / CUT_INNER	Closed nominal perimeter / aperture	Through-cut only with material-specific workholding
BORE_9_32	9/32 diameter clearance circle	Bore or drill; verify 1/4-20 hardware fit
POCKET_BOUNDARY + KEEP_ISLAND	Clear inside boundary, preserve nested islands	CNC pocket job; never laser through-cut these lines
FACE_POCKET	Clear inside each closed contour	CNC depth from the specified face
ENGRAVE_ONLY	Score / layout lines; may be open	Surface mark, not a cutting mask

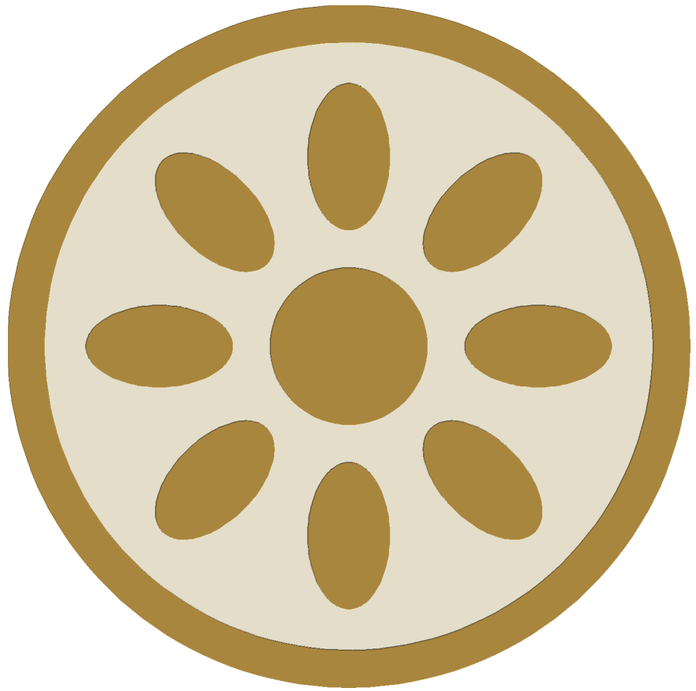
Foam operations are assigned to CNC routing in this package. Laser work is limited to stock verified for the actual laser. Check composition and manufacturer compatibility; exclude PVC and unknown printed films from laser jobs. See X09 sources.

X01 MEDALLION ROSETTES - DIGITAL MASTER SHAPES

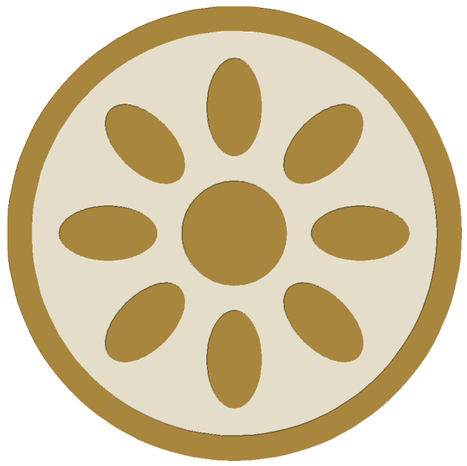
M1 | DIA 4 | QTY 2

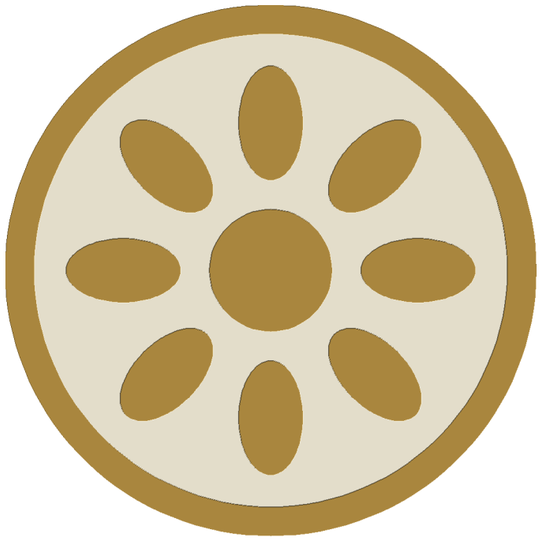


M2 | DIA 4.5 | QTY 1



M3 | DIA 3 | QTY 8





M4

DIA 3.5

QTY 4

WHITE / GOLD ROSETTE FAMILY

Eight raised oval petals, a round central boss and a plain perimeter ring. Gold on raised petals, boss and rim; ivory ground. Paint preview is not machining data.

M1: 4 dia, two window crowns.
M2: 4.5 dia, one door crown.
M3: 3 dia, eight canopy medallions.
M4: 3.5 dia, four column medallions.

All have separate 1/4-in MDF backing discs. These profiles replace the earlier generic internal circles on M01; overall sizes and mounting locations are unchanged.

RELIEF PROCESS

Use the 02 foam profile, 03 background pocket and 04 petal face files for CNC. Machine the pocket operations before releasing the outside profile.

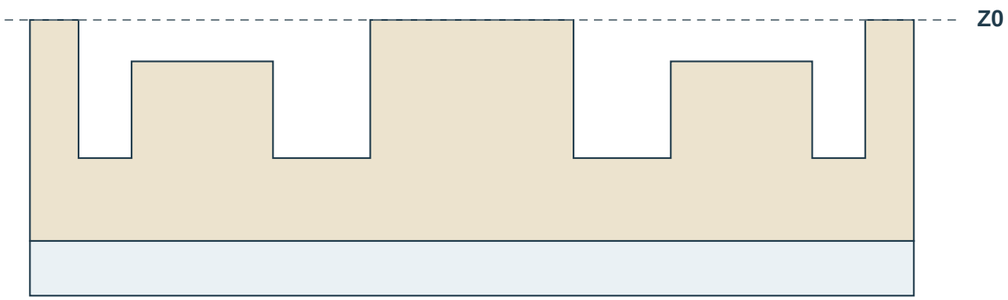
01 cuts the backing. Optional 05 is a laser score pattern for a flat treatment on qualified stock. It is not an additional required layer.

Hardcoat and paint add thickness; allow for finish at neighboring interfaces.

X02 MEDALLION CNC DEPTHS + HEIGHTMAP CALIBRATION

PART	FOAM	BACKGROUND DEPTH	PETAL TOP DEPTH	FINISHED HEIGHT ABOVE BACKING
M1 / M2	1.000	0.625	0.1875	Ground 0.375; petals 0.8125; rim / boss 1.000
M3 / M4	0.750	0.4375	0.125	Ground 0.3125; petals 0.625; rim / boss 0.750
C1 capital	2.000	1.500	0.250	Ground 0.500; leaves 1.750; rim / rails 2.000

M1 / M2: ALL DEPTHS FROM ORIGINAL TOP



1/4 MDF backing, separate from foam height

DXF POCKET METHOD

03 file: choose the outer pocket boundary and retain every closed island. 04 file: lower only the petal/leaf top faces. Both depths reference the original top; the second operation is not added to the first depth.

Preserve the continuous ground under the ornament. No engraving or decorative opening penetrates the backing. Do not infer a 3D sculpt from the contour colors.

16-BIT HEIGHTMAP METHOD

One map per M1, M2, M3, M4 and C1 at 300 dpi. Pixel 0 = backing plane / zero foam; 65535 = full foam stock height shown above. Horizontal sizes are the exact widths in X01/X03. PNG orientation is top at top; do not mirror.

Use the DXF outside profile as the trim boundary. Choose either the stepped DXF pocket workflow OR the matching heightfield workflow; do not apply both. These are stepped architectural reliefs, not smooth sculpted 3D meshes.

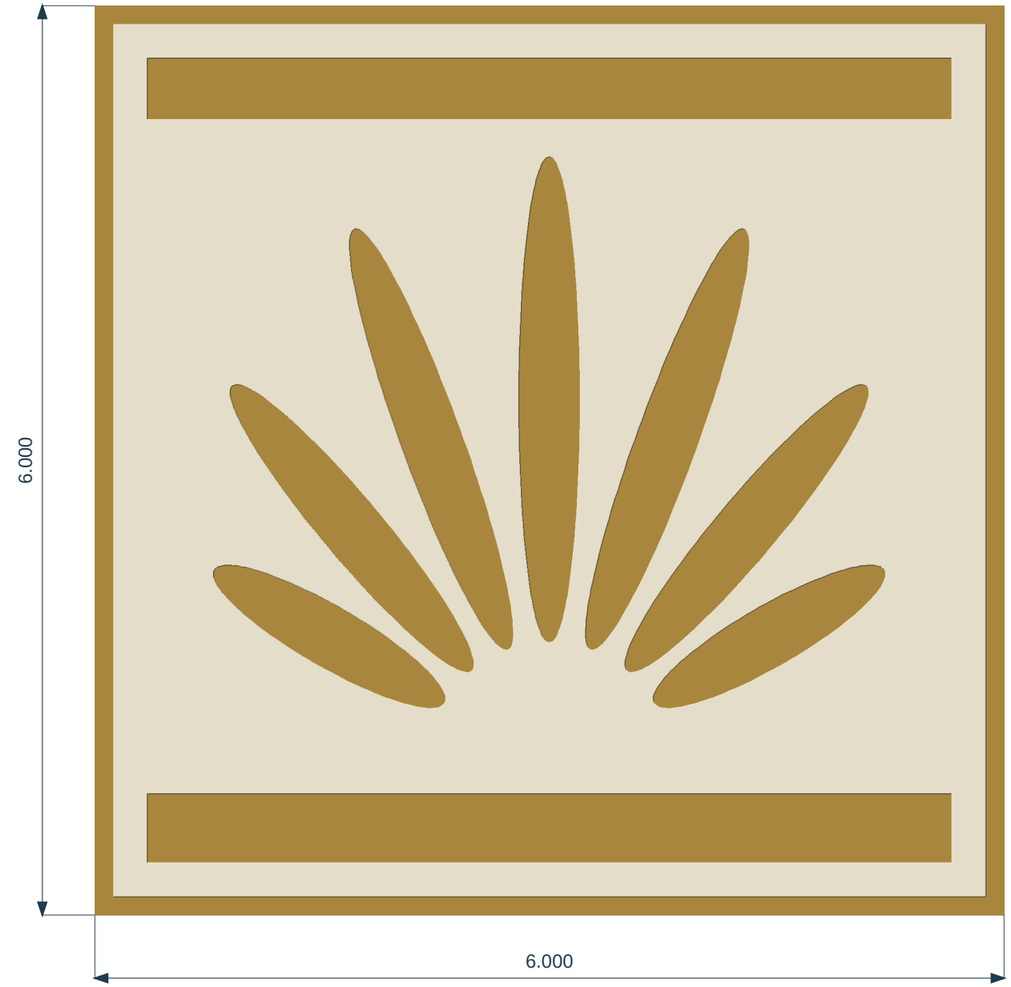
TOOL / STOCK CHECK

Geometry is nominal. Finishing tool radius controls how closely small oval ends reproduce; choose suitable reach and detail tools in CAM. Simulate remaining stock and avoid tall unsupported foam edges.

Proof one M3 (smallest medallion) and one flute before committing the batch. Sand/round exposed ridges after hardcoat as appropriate; do not alter outside diameters.

X03 C1 CAPITAL - SEPARATE PALMETTE RELIEF

FOUR IDENTICAL CAPITALS | 2-IN FOAM + 1/2-IN MDF



DESIGN + CONNECTION

Seven fan leaves sit between a top and bottom rail within a narrow square rim. All four capitals use the same geometry. The center leaf lies on X3, preserving facade symmetry.

Capital face envelope is 6 x 6. Foam maximum depth is 2. Existing pillar assembly locates capital backplate at 3 in forward of the flat, so completed relief remains within the 5-in target projection before coating.

FILES / OPERATIONS

C1_01_BACKPLATE_CUT: 1/2 MDF.
C1_02_FOAM_PROFILE: 6 x 6 foam perimeter.
C1_03_BACKGROUND_POCKET: 1.5 deep, preserve nine islands (2 rails + 7 leaves).
C1_04_LEAF_FACE: 0.25 deep from original top.
C1_05_LASER_SCORE: optional flat pattern, surface marking only.
C1_HEIGHT_16BIT.png: alternative stepped heightfield workflow.

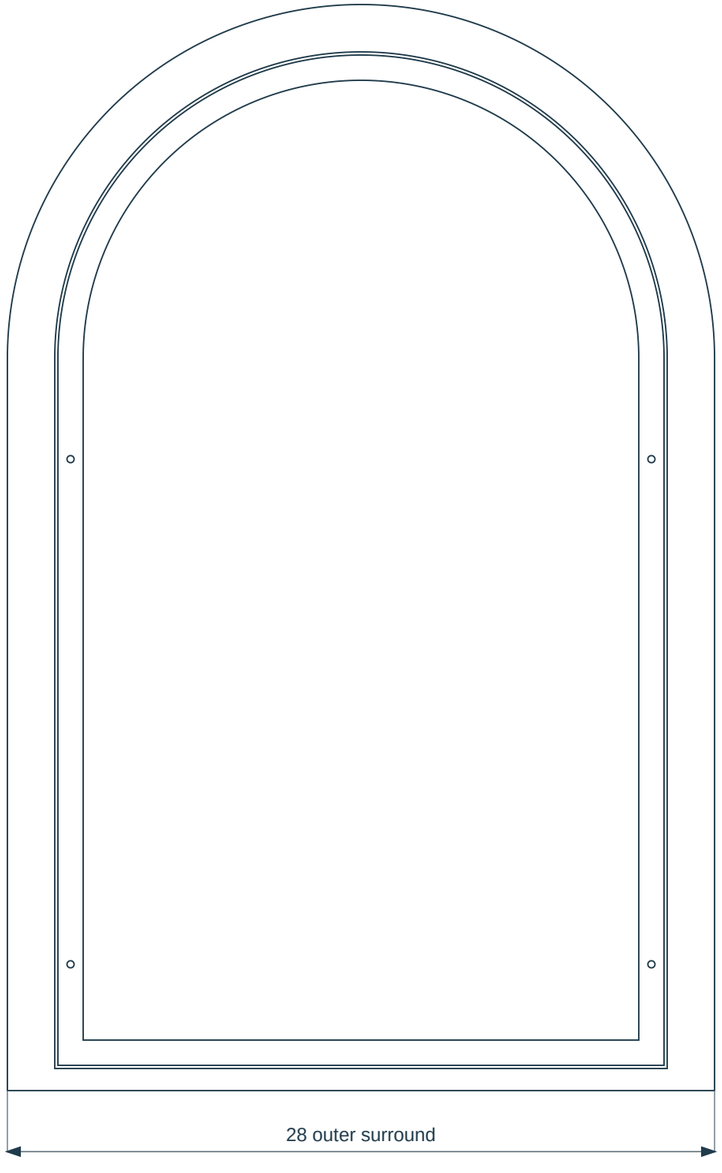
ASSEMBLY

Keep the backplate mechanically secured to the pilaster. Foam-to-backing adhesive and coating must be compatible with EPS. Do not put mounting screws only into foam. Label backs P-L, P-LC, P-RC and P-R.

Hardware holes remain field-fit to actual backing and fixings; none are invented in the capital DXF.

X04 WINDOW FILES - MATCHED NESTED ARCHES

FIXED SURROUND + REMOVABLE CARRIER



ITEM	BOUNDING SIZE	LOCAL ORIGIN / CHECK
Surround	28 x 43	Global bottom Z16; spring local Y29
Surround opening	24.25 x 40.25	Local X1.875, Y0.875; R12.125
Carrier outer	24 x 40	Global bottom Z17; spring local Y28
Carrier clear opening	22 x 38	Local X1, Y1; R11
Rebate boundary	22.5 x 38.5	Local X0.75, Y0.75; R11.25
Glazing / print	22.4375 x 38.4375	Separate panel origin at lower-left; R11.21875

CARRIER FASTENERS

Four 9/32-in clearance holes per carrier at (0.5,4), (23.5,4), (0.5,24), (23.5,24). Same holes in front mask. 9/32 is the new nominal clearance-bore selection; test it with the actual 1/4-20 screws and washers.

Retaining-button and wreath-hook holes remain field-fit. Do not cut a full rectangular opening in the flat: the arched top corners remain.

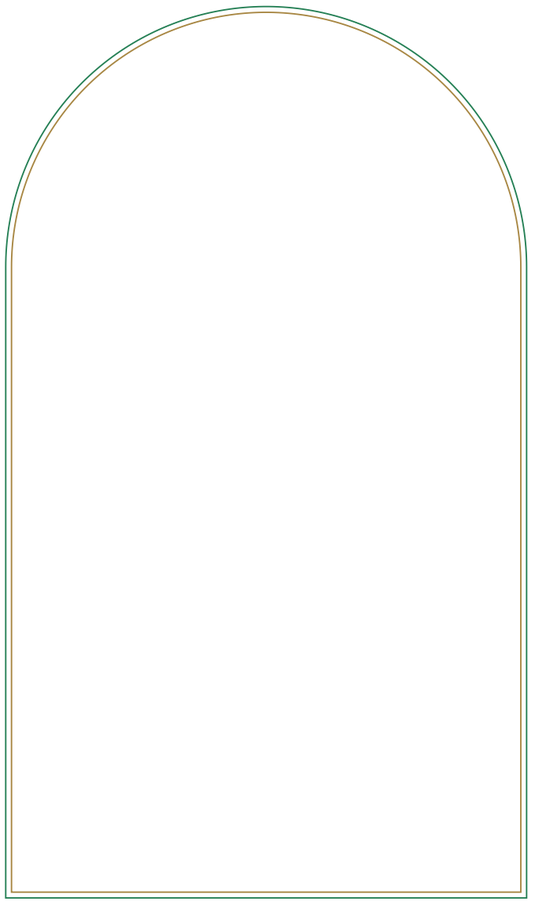
FRONT REMOVAL

Keep all profiles on their original coordinates. The surround opening has 1/8 clearance each side of the carrier and at the crown. Bottom clearance is 1/8. Paint build reduces this; dry-fit before finish.

M1 crown medallion remains above the carrier, outside the removal path.

X05 WINDOW REBATE + PILLAR FLUTE OPERATIONS

W02_REAR_REBATE



BACK FACE OPERATION

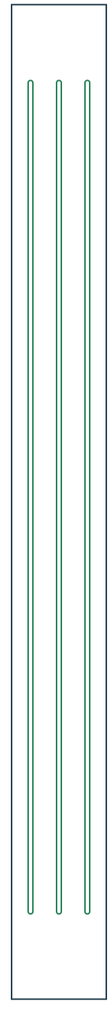
Rear 1/2-in MDF carrier only. Route 1/4 wide x 1/4 deep around the clear aperture. The inner contour encloses an existing opening; clear only the ring between the two profiles.

Rebate before bonding the 1/4-in face mask. For the flip setup, turn left/right about the vertical centerline while keeping the bottom down. Shape and hole pattern are symmetric left/right. Re-zero depth on the rear face.

Glazing stack: 1/16 PETG + print + 1/8 opal. Verify the actual stack and retention-button travel before assembly.

PNG DIMENSION CHECK

Large facade parts use 150 dpi; ornaments and small plates use 300 dpi. The PNG canvas is the nominal blank, not the visible pocket bounding box. Import at width/height in file_index.csv. Some programs ignore embedded DPI. DXF is the governing cutting geometry.



P01_SHAFT_FLUTES

5 x 52.5 shaft face.

Three 1/4-wide slots. Centers X1, 2.5, 4.

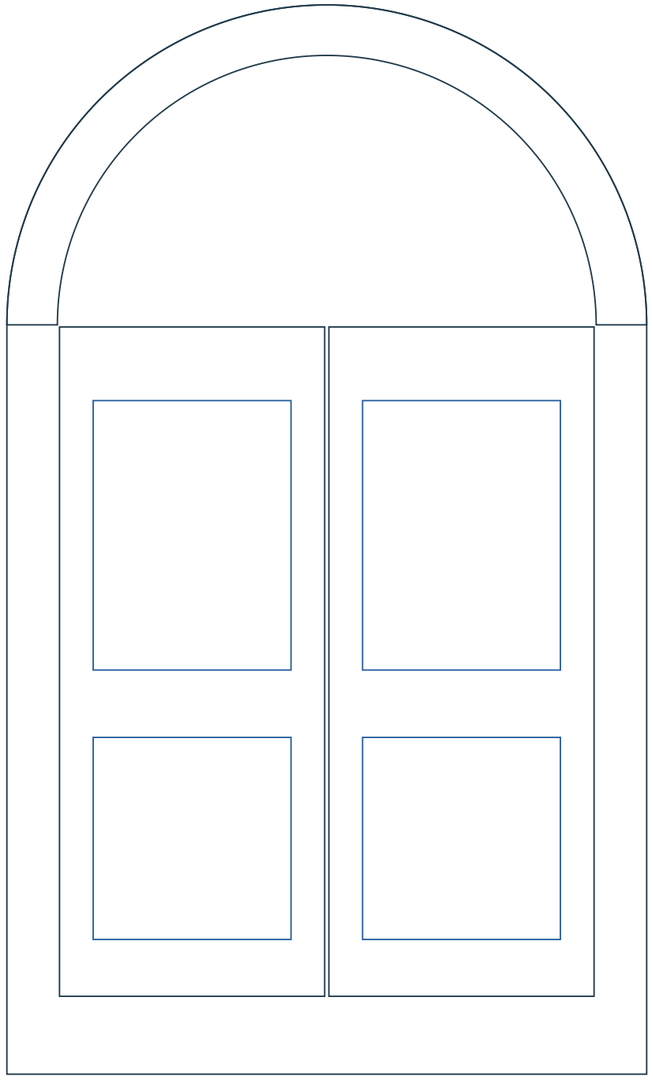
Each ends Y4.5 to48.5 (44 long). Radius1/8 at ends.

Pocket 1/8 deep from face. Route before cutting shaft perimeter.

All four shafts identical.

X06 DOOR + TRIM FILE PREVIEWS

SEPARATE SCENIC DOOR | TWO EQUAL LEAVES



FILE FAMILY	GEOMETRY / USE
D01_BACKER_CUT	38 x 63.5 arch; spring44.5 / R19
D01_LEAF_CUT	Two identical15.75 x 39.75 leaf blanks
D01_CASING_LEG_CUT	Two3 x 44.5 casing legs
D02_ARCH_RING_CUT	38 x 19 top; outer R19 / inner R16
D02_FANLIGHT_CUT	32 x 16 semicircular backing
D02_FANLIGHT_SCORE	Five radial surface guides; intentionally open
D02_LEAF_PANEL_LAYOUT	Applied molding position lines, not through cuts
T01_BELT / FILLER / PLINTH	Nominal48-in rectangles; site-fit joints per T01
T01_SILL	28 x 3.5 stock outline; round exposed edges

KEEP MACHINING SCOPE CLEAR

The door remains a scenic applied module, not an operating doorway. Hardware holes follow selected handles and cleats. Printed upper roof remains printed; no roof dormer fretwork has been added.

Long rectangular files can be cut by saw without CNC. Files do not add new molding profiles, lumber or layers to the budget.

X07-1 DXF / PNG FILE SCHEDULE

BASENAME (.dxf / .png)	BLANK W x H	QTY	STOCK	OPERATION
M1_01_BACKING_CUT	4 x 4	2	1/4 MDF	Through cut
M1_02_FOAM_PROFILE	4 x 4	2	1 EPS	Outside profile
M1_03_BACKGROUND_POCKET	4 x 4	2	1 EPS	Pocket inside green boundary; exclude all yellow islands; depth 0.625
M1_04_PETAL_FACE	4 x 4	2	1 EPS	Face-pocket inside each closed petal; depth 0.1875
M1_05_LASER_SCORE	4 x 4	2	Laser-qualified sheet / backing	Surface score; not through cut
M2_01_BACKING_CUT	4.5 x 4.5	1	1/4 MDF	Through cut
M2_02_FOAM_PROFILE	4.5 x 4.5	1	1 EPS	Outside profile
M2_03_BACKGROUND_POCKET	4.5 x 4.5	1	1 EPS	Pocket inside green boundary; exclude all yellow islands; depth 0.625
M2_04_PETAL_FACE	4.5 x 4.5	1	1 EPS	Face-pocket inside each closed petal; depth 0.1875
M2_05_LASER_SCORE	4.5 x 4.5	1	Laser-qualified sheet / backing	Surface score; not through cut
M3_01_BACKING_CUT	3 x 3	8	1/4 MDF	Through cut
M3_02_FOAM_PROFILE	3 x 3	8	0.75 EPS	Outside profile
M3_03_BACKGROUND_POCKET	3 x 3	8	0.75 EPS	Pocket inside green boundary; exclude all yellow islands; depth 0.4375
M3_04_PETAL_FACE	3 x 3	8	0.75 EPS	Face-pocket inside each closed petal; depth 0.125
M3_05_LASER_SCORE	3 x 3	8	Laser-qualified sheet / backing	Surface score; not through cut

DXF/ and PNG/ use identical basenames. Quantities repeat by operation; do not add them together.

Complete stock/process notes, layers, DPI and origins are in file_index.csv and manifest.json.

X07-2 DXF / PNG FILE SCHEDULE

BASENAME (.dxf / .png)	BLANK W x H	QTY	STOCK	OPERATION
M4_01_BACKING_CUT	3.5 x 3.5	4	1/4 MDF	Through cut
M4_02_FOAM_PROFILE	3.5 x 3.5	4	0.75 EPS	Outside profile
M4_03_BACKGROUND_POCKET	3.5 x 3.5	4	0.75 EPS	Pocket inside green boundary; exclude all yellow islands; depth 0.4375
M4_04_PETAL_FACE	3.5 x 3.5	4	0.75 EPS	Face-pocket inside each closed petal; depth 0.125
M4_05_LASER_SCORE	3.5 x 3.5	4	Laser-qualified sheet / backing	Surface score; not through cut
C1_01_BACKPLATE_CUT	6 x 6	4	1/2 MDF	Through cut
C1_02_FOAM_PROFILE	6 x 6	4	2 EPS	Outside profile
C1_03_BACKGROUND_POCKET	6 x 6	4	2 EPS	Pocket; preserve rails and seven leaves; depth 1.5
C1_04_LEAF_FACE	6 x 6	4	2 EPS	Face-pocket leaf tops; depth 0.25
C1_05_LASER_SCORE	6 x 6	4	Laser-qualified sheet / backing	Surface score
F01_SKIN_CUT	48 x 70	1	1/4 luan	Skin perimeter and aperture
F03_SKIN_CUT	48 x 70	1	1/4 luan	Skin perimeter and aperture
F02_SKIN_CUT	48 x 70	1	1/4 luan	Rectangle; no door opening
F04_UPPER_SKIN_CUT	48 x 24	3	1/4 luan	Rectangle only
W01_SURROUND_CUT	28 x 43	2	1/2 MDF	Outer arch and inner opening

DXF/ and PNG/ use identical basenames. Quantities repeat by operation; do not add them together.

Complete stock/process notes, layers, DPI and origins are in file_index.csv and manifest.json.

X07-3 DXF / PNG FILE SCHEDULE

BASENAME (.dxf / .png)	BLANK W x H	QTY	STOCK	OPERATION
W02_CARRIER_CUT	24 x 40	2	1/2 MDF	Ring through cut + clearance bores
W02_FRONT_MASK_CUT	24 x 40	2	1/4 MDF	Ring through cut + clearance bores
W02_REAR_REBATE	24 x 40	2	1/2 MDF carrier	Rear-face pocket between nested arches; depth 0.25
W02_GLAZING_TRIM	22.4375 x 38.4375	2	1/16 PETG + 1/8 opal + print	One repeated trim profile for each layer
W01_LIGHTBOX_BACK	26.25 x 42.25	2	1/4 luan	Through cut
D01_BACKER_CUT	38 x 63.5	1	1/4 luan	Outer arch
D01_LEAF_CUT	15.75 x 39.75	2	1/2 MDF	Through cut
D02_LEAF_PANEL_LAYOUT	15.75 x 39.75	2	Existing door leaf face	Score only; molding outlines
D01_CASING_LEG_CUT	3 x 44.5	2	1/2 MDF	Through cut
D02_ARCH_RING_CUT	38 x 19	1	1/2 MDF	One closed annular semicircle
D02_FANLIGHT_CUT	32 x 16	1	1/4 MDF	Through cut
D02_FANLIGHT_SCORE	32 x 16	1	Fanlight face	Five radial score lines
P01_SHAFT_FACE_CUT	5 x 52.5	4	1/2 MDF	Through cut
P01_SHAFT_FLUTES	5 x 52.5	4	1/2 MDF face	Pocket three slots; depth 0.125
P01_SHAFT_RETURN	2.5 x 52.5	8	1/2 MDF	Through cut

DXF/ and PNG/ use identical basenames. Quantities repeat by operation; do not add them together.

Complete stock/process notes, layers, DPI and origins are in file_index.csv and manifest.json.

X07-4 DXF / PNG FILE SCHEDULE

BASENAME (.dxf / .png)	BLANK W x H	QTY	STOCK	OPERATION
P01_BASE_FACE	6 x 5.5	4	1/2 MDF	Through cut
P01_BASE_RETURN	2.5 x 5.5	8	1/2 MDF	Through cut
T01_BELT	48 x 3.5	3	1x4	Nominal rectangular outline
T01_FILLER	48 x 2.5	3	1/4 luan	Nominal rectangular outline
T01_PLINTH	48 x 5.5	3	1x6	Nominal rectangular outline
T01_SILL	28 x 3.5	2	1x4	Nominal rectangular outline
Q01_SCALE_COUPON	2 x 2	1	Offcut of actual stock	2-in square with 9/32-in bore

DXF/ and PNG/ use identical basenames. Quantities repeat by operation; do not add them together.

Complete stock/process notes, layers, DPI and origins are in file_index.csv and manifest.json.

X08 DIGITAL FABRICATION - SHOP RELEASE CHECK

OK	CHECK	RECORD
[ ]	Scale / import	Q01 coupon measures exactly2 x 2 in in CAM, or50.8 x 50.8 mm. Maintain all part origins.
[ ]	Stock verification	Confirm actual sheet/foam thickness, sheet size and laser-approved composition before processing.
[ ]	Process assignment	Profile, pocket and score jobs remain separate. Confirm every island is retained.
[ ]	First ornament	Cut/finish one smallest M3; verify diameter, ground thickness, petal heights and coating durability.
[ ]	Window first article	Cut one carrier + surround + glazing mockup. Test front removal, screws and image replacement before duplicating.
[ ]	Rear rebate	Verify rear-face datum,1/4 depth,1/4 width and actual glazing/film stack.
[ ]	Flute proof	Test 1/4-wide,1/8-deep round-ended pocket in actual1/2 MDF offcut.
[ ]	Laser score	Confirm linework is shallow score only; do not import a heightmap as an automatic laser-power job.
[ ]	CAM simulation	Check cutter reach, retained stock, tool compensation, tabs/workholding and travel limits.
[ ]	Assembly	Use backing for ornament fasteners. Keep existing carousel structural HOLD and horse-scale decisions.

Machine / software: _____ Material lot: _____ Operator: _____

Coupon result / kerf: _____ First article accepted: _____ Date: _____

X09 REV E - SCOPE, VERIFICATION + FILE SOURCES

WHAT THIS REVISION ADDS

52 full-size DXF operations and52 matching linework PNGs; five16-bit CNC relief maps; five appearance previews; a file index and checksums. M1-M4 rosettes and C1 palmette capitals now have explicit stepped relief geometry. W02 adds nominal9/32 clearance bores.

No horse mesh, seat contour, steel member or rider-support connection is redesigned here. The original-size horse instruction and48-in platform remain. The overhang layout and structural support release are still provisional.

BUDGET / MATERIAL IMPACT

No new mandatory stock is added. Existing EPS ornament stock, MDF backings, carrier sheets and molding remain the basis. Optional laser-score patterns are alternative treatments on the same stock; do not purchase extra layers automatically.

The existing Rev D materials workbook remains the priced basis. Material quantities, September tax, contingency, lamp and wreath allowances are unchanged. In-house CNC and printing service charges remain excluded.

DIGITAL CHECKS + LIMITS

DXF files are parsed and audited with ezdxf after export. Checks cover inch units, entity counts, contour closure, duplicates, dimensions and matching raster sizes. Window nested-arch clearances and door symmetry are checked numerically.

The PDF is rendered and visually inspected. This verifies file coordination, not a test cut on your machine. Actual CNC/laser software, machine bed, tooling and process settings were not supplied at issue; complete the X08 coupon and first-article checks.

MATERIAL GUIDANCE / ARTWORK BASIS

Laser material guidance: Trotec, Materials not suited for laser processing. Confirm actual material chemistry; PVC and specified resin/halogen-containing materials are excluded by the manufacturer.
https://www.troteclaser.com/en-us/resources/faqs/unsuitable-materials-laser-processing

DXF / PNG geometry is newly authored from this project shop book dimensions. Upper roof print art and window picture content remain separate in-house artwork. This release contains their physical trim geometry where listed, not new photographic print images.

A01 SHOP ASSEMBLY + INSTALLATION SEQUENCE

STEP	ASSEMBLY	CHECKPOINT
01	Verify access, floor and backdrop depth	94-in elevation fits 96 cap; each transport part must clear actual doors. Survey camera position.
02	Build F01 / F02 / F03 lower frames	Square, skin, arch-cut apertures; install fixture and door blocking.
03	Build three F04 uppers	Dry-stack with lower panels; drill stack cleats through solid rails.
04	Build P01 pillars / T01 trim	Dry-hang cleats; keep seams detachable. Add lamps into wood backing.
05	Build W01 / W02 / W04 windows	Fit arched carriers before paint; test forward removal and glazing change.
06	Build D01 / D02 door	Match leaf widths; common door / dormer centerline X72.
07	Make M01 / R01 items	Separate ornaments; print three roof skins with stated bleed and registration.
08	Mock up C01 horse fit	48-in floor circle, the actual unchanged horse assets and rider-support zones; verify access with actual rider dimensions.
09	Release reviewed support structure	Resolve H03 steel, C02 grid, mast and canopy connections before structural fabrication.
10	Build base, horses, column and top	Use the reviewed structure; contour foam around serviceable cores; trial-bend one roof gore.
11	Finish / complete nonhuman acceptance	Seal cut edges; test adhesion/finish; review structural tests and stability before rider use.
12	Install / document / hand off	Secure facade, positively fasten top, check all fixings, record rider limits and daily inspection.

A02 RELEASE CHECKS + MAINTENANCE RECORD

OK	ITEM	ACCEPTANCE
[ ]	Dimension check	Facade <=144 W x 96 H; target94. Platform48 OD; canopy56 OD; top90 target.
[ ]	Symmetry check	Door seam / middle dormer X72; side-window centers X25/119; lamps X48/96.
[ ]	Window service test	Remove both arched carriers forward; change prints without disturbing flats or lightboxes.
[ ]	Transport check	Label each bay, cleat, ornament, canopy half and horse; use padded edge protection.
[ ]	Support review	Steel member/weld/bolt sizes, canopy retention, base stability and deck connections documented.
[ ]	Nonhuman test record	Review-defined loads / directions / duration / result recorded; no permanent deformation or loose fixing.
[ ]	Rider fit	Each rider <=100 lb and <=58 in; verify saddle, feet, handles, head and assisted mounting clearances.
[ ]	Contact surfaces	No exposed sharp edges, splinters, screw tips or snag points; gaps and openings reviewed.
[ ]	Daily before use	Check chassis, saddle, canopy, flat bracing, lamps, carrier locks and floor pads. Remove from use if loose.
[ ]	Storage / care	Keep MDF / hardboard dry; lift by frames, never ornaments, horse ears or canopy trim.

Reviewed by: _____ Date: _____ Venue / floor: _____

Steel drawing reference / revision: _____ Nonhuman test record: _____

This book is a coordinated scenic shop design. It does not certify child-bearing structure or venue compliance.

A03 REVISION BASIS + SOURCES

DIRECT USER DECISIONS

Three 4 x 8 facade bays inside 8 H x 12 W; Parisian Christmas appearance in white/ivory and gold. Persian family reference remains full human scale. Door and center dormer aligned.

Printed facade upper roof; removable window graphics; separate pillars, door, medallions and carousel packages. Lamps and wreaths included; loose props excluded.

Latest platform instruction: one 48-in-diameter circle cut from a full sheet. Stationary carousel. Two children, each <=100 lb and <=58 in tall. The user rejected smaller horses. Retain the approved original horse geometry; 55-in length is the image reference. The 48-in-base overhang layout is a provisional coordination study.

PROJECT RECORDS

Parisian_Christmas_Build_Log.md
Client_WhatsApp_Decisions.md
Existing_Fabrication_Registers.md
Parisian_Christmas_Framing_Set_1.pdf (earlier Rev B)
Tanya_Set_Cost_Tracker.xlsx (original tracker)

Previous concept image remains an appearance reference, not a scale drawing. Rev E dimensions govern where they differ. Original files are preserved. Ornament CNC and laser files are indexed on X00-X09. Original horse geometry and print picture content remain separate assets.

PRICE / HAZARD REFERENCES

CDTFA current city tax table (Paramount 10.500%, checked 20 Sep 2026):
https://cdtfa.ca.gov/taxes-and-fees/rates.aspx

Northlight 16-in wreath price $19.98 each, model 32615050:
https://www.homedepot.com/p/306936328

CPSC Public Playground Safety Handbook: reference for contact hazards, falls and entrapment review; application to this photo set is not asserted.
https://www.cpsc.gov/Playground-Handbook

I01 DRAWING INDEX

PAGE	CODE	SHEET TITLE
01	G00	MASTER SHOP BOOK - FACADE + CAROUSEL
02	G01	MASTER FACADE ELEVATION
03	G02	COMPONENT MAP + DEPTH CONTROL
04	G03	FLAT JOINTS, STACK CLEATS + REAR JACKS
05	F01	LEFT FLAT - WINDOW BAY
06	F02	CENTER FLAT - DOOR BAY
07	F03	RIGHT FLAT - WINDOW BAY
08	F04	UPPER PRINT PANELS - THREE SEPARATE BUILDS
09	P01	PILLAR BODY - FOUR REMOVABLE PILASTERS
10	P02	PILLAR CAPITAL, BASE + FIXING DETAILS
11	W01	WINDOW HOUSING + FIXED ARCH - BUILD TWO
12	W02	REMOVABLE ARCHED WINDOW INSERT - BUILD TWO
13	W03	WINDOW CHANGEOVER + IMAGE PRODUCTION
14	D01	SEPARATE DOOR MODULE - FRONT + BACK
15	D02	DOOR ARCH, PANEL TRIM + HARDWARE
16	R01	PRINTED UPPER ROOF - ARTWORK AND REGISTRATION
17	M01	SEPARATE MEDALLIONS + ORNAMENT REGISTER
18	T01	CORNICE, PLINTH + SILL MODULES
19	L01	LAMPS + WREATHS - FIXED FACADE FIXTURES
20	F05	FRAME FASTENERS + STACK BOLT LOCATIONS
21	G05	PROPOSED FLOOR SETOUT + DEPTH REQUIREMENT
22	W04	WINDOW RECEIVERS + REMOVAL SECTION
23	G04	FORCED PERSPECTIVE + FULL-SIZE HUMAN DATUM
24	C01	ORIGINAL HORSES ON 48-IN BASE - OVERHANG STUDY

I02 DRAWING INDEX

PAGE	CODE	SHEET TITLE
25	C02	BOTTOM PLATFORM - DECK, FASCIA + SUPPORT GRID
26	C03	CENTER COLUMN + CAROUSEL VERTICAL DATUMS
27	C04	TENT TOP - HOOPS, SPOKES + VALANCE
28	C05	TENT ROOF - DEVELOPED GORES + FINIAL
29	H01	LEFT HORSE - PRESERVE APPROVED HORSE
30	H02	RIGHT HORSE - PRESERVE APPROVED HORSE
31	H03	HORSE SUPPORT - LOAD PATH + REVIEW BRIEF
32	B01	MATERIALS BUDGET - TAX + CONTINGENCY
33	B02	LINEAR STOCK PACKING - SAW KERF INCLUDED
34	B02-2	LINEAR STOCK PACKING - CONTINUED
35	B02-3	LINEAR STOCK PACKING - CONTINUED
36	B02-4	LINEAR STOCK PACKING - CONTINUED
37	B03	SHEET STOCK NESTING + REUSE REGISTER
38	B04-1	PRICED MATERIALS - ITEMIZED
39	B04-2	PRICED MATERIALS - ITEMIZED
40	B04-3	PRICED MATERIALS - ITEMIZED
41	B05	SUPPLIED MATERIALS + HARDWARE PROCUREMENT
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