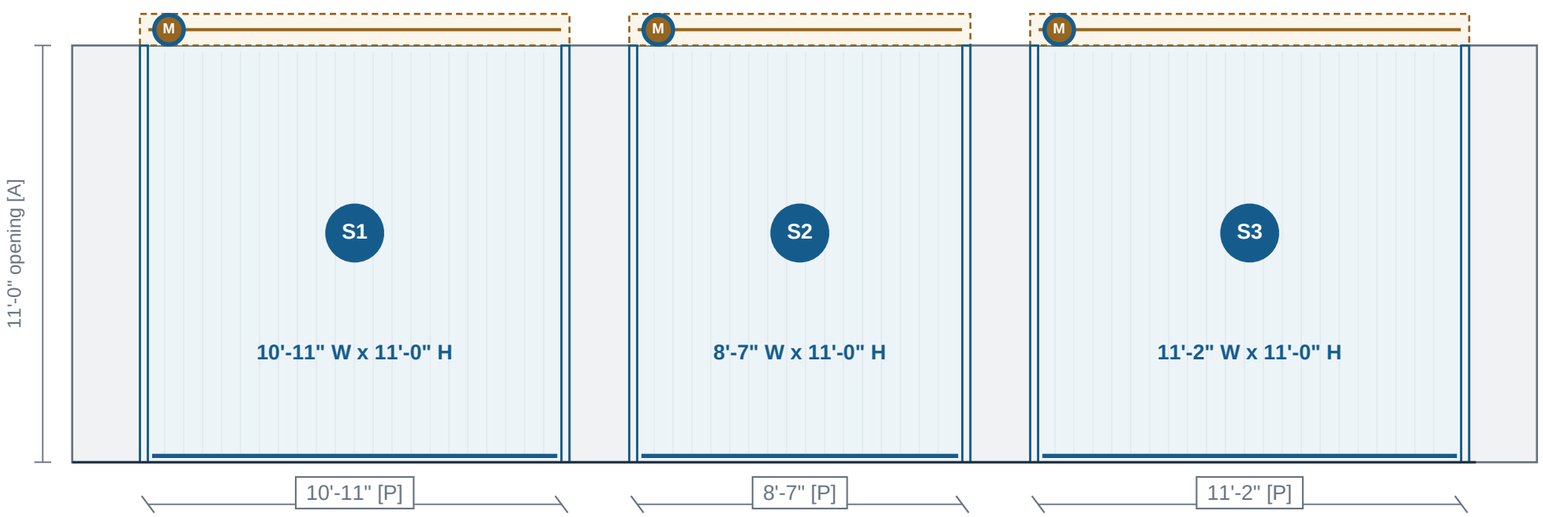
Planned before the first shade is installed.

Five fully recessed motorized shades | Front elevation, return elevations, opening schedule and orientation key

DESIGN BASIS Openings taken off the architectural plans + 11-foot ceiling + manufacturer recess geometry. Assumptions explained on EX-02.

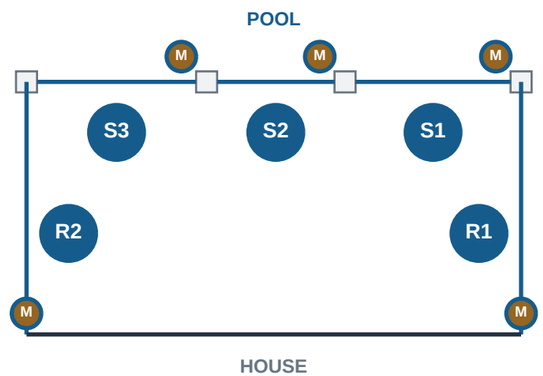
01 POOL-FACING ELEVATION

Widths below are example openings taken off the plans [P]



Pocket above soffit: 10" high [M] | 11'-10" pocket-top elevation [C] | All three motors at pool-view left [A]

02 NUMBERED PLAN KEY

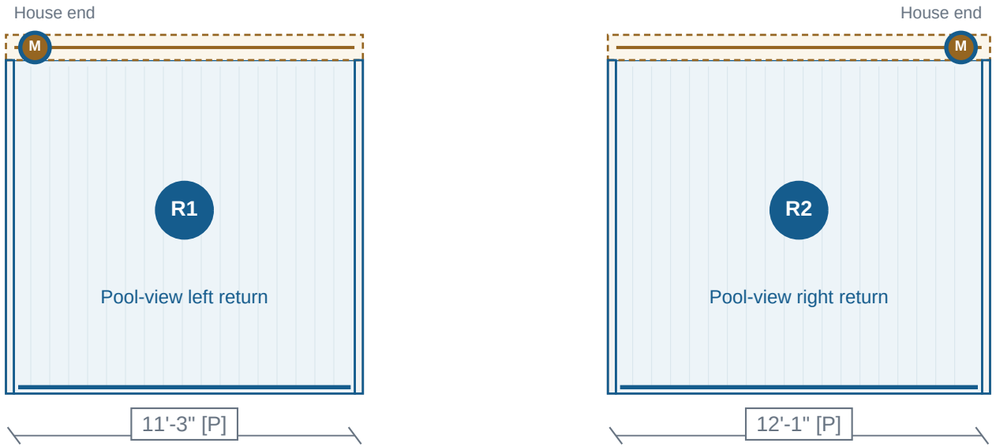


M = proposed motor / 120V feed [A]

Plan faces pool upward; elevation faces house. Front shade order reverses between views.

03 MOTORIZED RETURNS

Each return viewed from outside



KEY: [D] documented [P] plan-derived [C] calculated [A] design assumption [M] manufacturer specification

04 WORKED OPENING / UNIT SCHEDULE

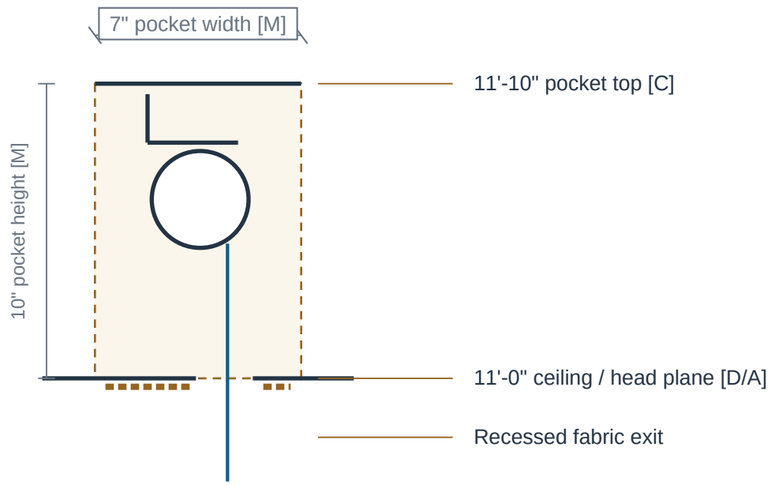
ID	Opening W [P]	Unit W [C]	Height [A]	Pocket [M]
S1	10'-11"	11'-4"	11'-0"	7" x 10"
S2	8'-7"	9'-0"	11'-0"	7" x 10"
S3	11'-2"	11'-7"	11'-0"	7" x 10"
R1	11'-3"	11'-8"	11'-0"	7" x 10"
R2	12'-1"	12'-6"	11'-0"	7" x 10"

Unit width = opening + 5". Pocket = cross-section width x height. All five units fall within the 4'-18' pocket tier.

From plan geometry to a coordinated installation.

A worked design study showing dimension logic, recessed mounting and electrical coordination

05 TYPICAL RECESSED HEAD SECTION



Example assumes a flush exit at the 11-foot ceiling, with 10 inches of clear pocket above. Dashed gold underside = removable service panel by others. Confirm beam / slab clearance.

06 HOW THE NUMBERS WERE DEVELOPED

[D] DOCUMENTED

The architectural plans call for an 11'-0" ceiling. Openings are taken off the plans at their stated scale.

[P] PLAN-DERIVED, ROUNDED TO WHOLE INCHES

Front openings: 131", 103" and 134" (10'-11", 8'-7" and 11'-2"), measured between post footprints. Finished jamb faces are confirmed in the field.

[P] RETURN GEOMETRY

R1 = 135" (11'-3") to the house-side pier. R2 = 145" (12'-1") to the projecting jamb line.

[C] CALCULATED UNIT WIDTHS

Manufacturer formula: opening + 5". Example: S1 = 131" + 5" = 136" (11'-4"). The largest unit is R2 at 150" (12'-6"); all five use the 7" x 10" pocket tier.

07 TRACKS + CORNER COORDINATION

Each side track takes 2 1/2", which is where the + 5" in the unit-width formula comes from. Track profile and recess depth come from the selected system's detail.

FRONT / RETURN INTERSECTIONS

S1 / R1 and S3 / R2 meet at corner posts. Track pockets, bracket ends and access panels are coordinated at each corner, and post sections are confirmed in the field.

08 POWER + MOTOR STRATEGY [A]

Front motors: pool-view left end of each unit. Return motors: house end. Five 120V AC / 60Hz motor feeds are shown by M in the plan key, with accessible connections clear of moving components.

ELECTRICAL LOAD EXAMPLE [C]

Each motor draws 1.3-2.1A, so all five running together total 6.5-10.5A. Final motor models, controls and circuits are set with the electrician.

09 DESIGN ASSUMPTIONS [A]

Rectangular finished openings; flush head at 11'-0"; level floor; available pocket above soffit; adopted motor ends. The 132-inch height is the opening / travel envelope, not a fabric cut length.

WHAT THE EXAMPLE DEMONSTRATES

Opening takeoff, unit sizing, recess allowances, five-shade coordination and power planning. Field measurement, structural clearance and manufacturer shop drawings turn the study into a build package.

Basis: architectural plans and manufacturer recessed-bracket specification. Drawings schematic; all dimensions in feet / inches.