One building / design review



Southeast street view · 01_concept_side.png

REFERENCE-LED MODEL

One 60 × 100 ft enclosure

7,536 sf total gross area

Two attached upper towers

One continuous wash tunnel

Three east-facing detail bays

8 vacuum stations

Plans and sections are editable vector drawings. This booklet reflows every technical sheet topic for screen reading.

Contents / all technical sheet topics

SHEET	TOPIC	PAGE
G-001	Cover, Index, and Project Data	2
G-002	Concept Intent and Reference Images	12
G-003	Assumptions Register	15
AS-101	Conceptual Site Plan	18
A-101	Ground Floor Plan	20
A-102	Upper Floor Plan	26
A-103	Roof Plan	29
A-104	Furnished Storefront and Retail Display Plan	31

SHEET	TOPIC	PAGE
A-201	Elevations — South and North	40
A-202	Elevations — East and West	42
A-301	Section at the Wash Tunnel	44
A-302	Transverse Section and Building Organization	45
A-401	Door and Material Schedules	46
A-501	Preliminary Architectural Details	51
A-502	Vacuum Assembly and Equipment Detail	53
M-001	Equipment and Utility Coordination	57

Project data / nominal model controls

PROJECT DATA	MODEL VALUE
Enclosed ground footprint	60'-0" × 100'-0"
Ground floor gross	6,000.00 sf
Upper floor gross	1,536.00 sf
Building gross total	7,536.00 sf
Net total inside wall insets	6,911.23 sf
Site assumption	1.800 acres
Units	Model feet · DXF inches · technical sheets 36 × 24 inches

Render 1 / Concept side: southeast street view



Saved scene render · 01_concept_side.png · 3840 × 2560 px

Render 2 / Concept top: southeast aerial



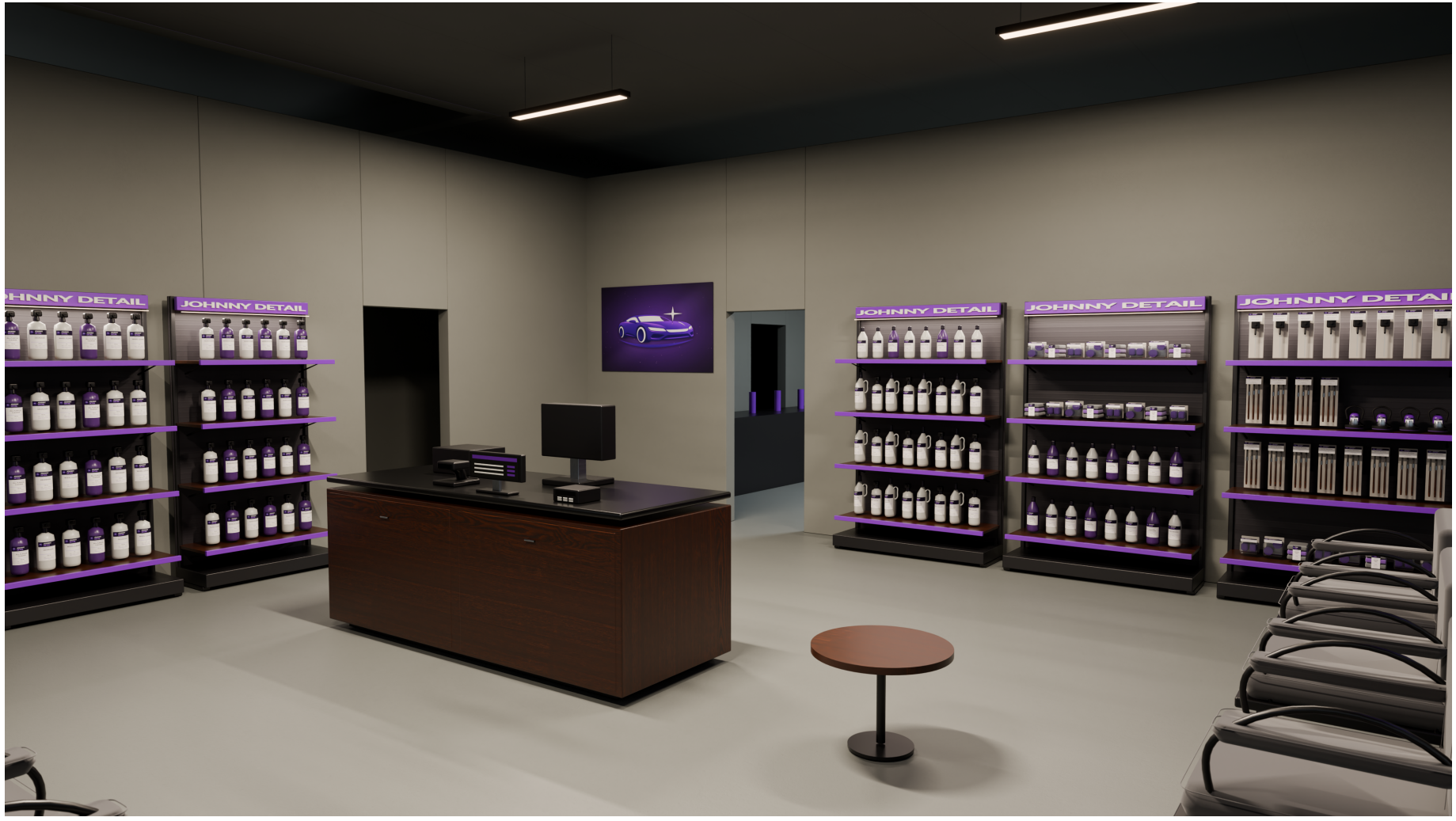
Saved scene render · 02_concept_top_front.png · 3840 × 2560 px

Render 3 / Concept top: west vacuum frontage aerial



Saved scene render · 03_concept_top_rear.png · 3840 × 2560 px

Render 4 / Stocked retail, checkout, and waiting lounge



Saved scene render · 04_reception_lounge.png · 3840 × 2160 px

Render 5 / East-facing detail bay



Saved scene render · 05_detail_bay.png · 3840 × 2160 px

Render 6 / Continuous wash tunnel



Saved scene render · 06_wash_tunnel.png · 3840 × 2160 px

Render 7 / Detailing chemicals and tools close view



Saved scene render · 07_merchandise_detail.png · 3840 × 2160 px

Render 8 / Twin hoop vacuum, hoses, and service cabinet



Saved scene render · 08_vacuum_detail.png · 3840 × 2560 px

Street concept / southeast side

ORIGINAL CONCEPT



Building_Concept_Side.png

CURRENT SHARED MODEL



01_concept_side.png

Both source views describe one building. The reconstruction retains the twin towers, shallow purple roofs, curved portals, corner glazing, service bays and west vacuum frontage. Nominal dimensions are model controls; the reference photos are unscaled.

Aerial concept / southeast front

ORIGINAL CONCEPT



Building_Concept_Top.png · upper panel

CURRENT SHARED MODEL



02_concept_top_front.png

Both source views describe one building. The reconstruction retains the twin towers, shallow purple roofs, curved portals, corner glazing, service bays and west vacuum frontage. Nominal dimensions are model controls; the reference photos are unscaled.

Aerial concept / west vacuum frontage

ORIGINAL CONCEPT



Building_Concept_Top.png · lower panel

CURRENT SHARED MODEL



03_concept_top_rear.png

Both source views describe one building. The reconstruction retains the twin towers, shallow purple roofs, curved portals, corner glazing, service bays and west vacuum frontage. Nominal dimensions are model controls; the reference photos are unscaled.

Assumptions register / 1 of 2

ID	ASSUMPTION / CONTROL	STATUS
A-01	Nominal corner parcel; no survey, address, parcel identifier, or jurisdiction is confirmed.	Unverified
A-02	Parcel 250'-0" × 313'-8"; 1.800 acres.	Planning context
A-03	+X east, +Y north. Tunnel entry faces south, detail openings east, vacuum frontage west.	Coordinate system
A-04	Street setback 25'-0"; interior 10'-0".	Confirm jurisdiction
B-01	One 60'-0" × 100'-0" enclosed building; 7,536.00 sf including upper tower floors.	Model-derived
B-02	Upper floor 15'-0"; low parapet 15'-0"; tower eave 22'-6"; ridge 24'-6".	Reconstruction controls
B-03	Two integrated towers at the front and rear west corners; broad shallow hip roofs.	Both source views
B-04	Room program and stairs are preliminary; each office is accessed by a stair. Accessibility and egress need study.	Unresolved

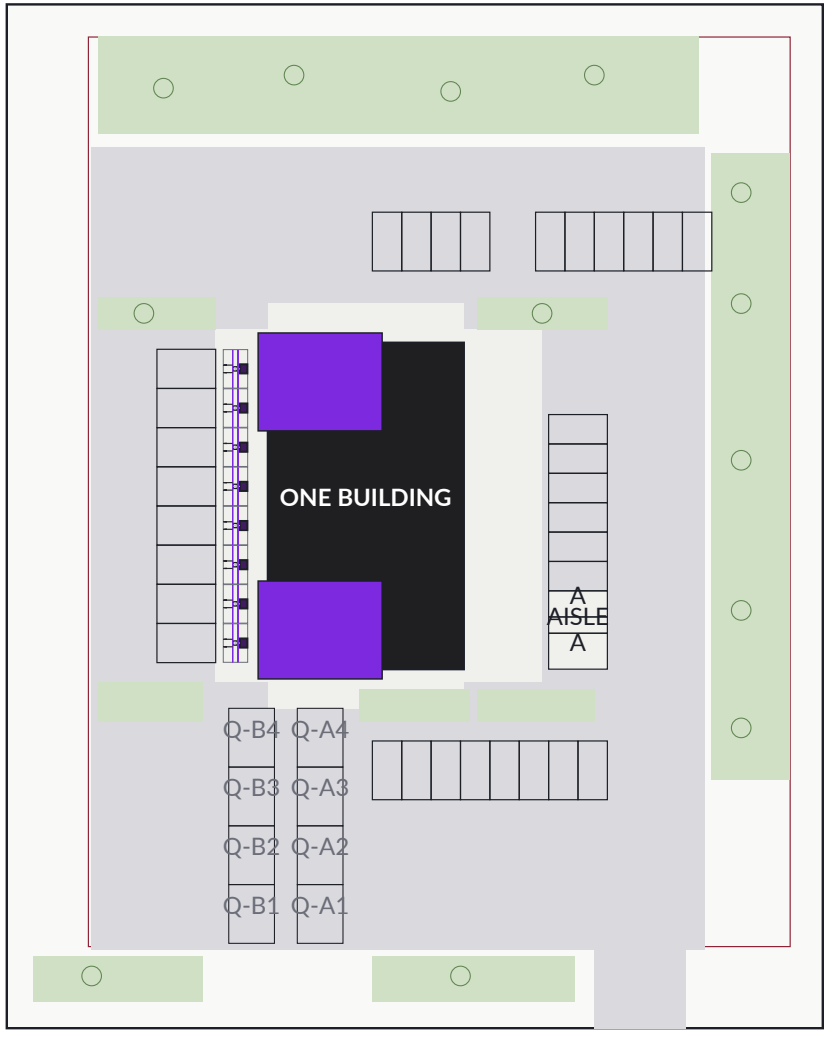
Assumptions register / 2 of 2

ID	ASSUMPTION / CONTROL	STATUS
B-05	Black panels, lavender upper walls, charcoal fascia, and glazing follow explicit model surfaces; quantities exclude waste.	Quantity convention
C-01	Tunnel equipment, vacuum assemblies and roof units have no selected manufacturer.	Provisional
C-02	No designed foundation, drainage slope, electrical load, ventilation calculation, or fire protection system.	Engineering required
D-01	8 queue positions and 3 detail positions are planning counts.	Confirm operations
E-01	Owner rate and allowances remain planning inputs; revised geometry controls all new measured quantities.	See estimate

Information needed for further design

RFI	UNRESOLVED PROJECT INFORMATION
1	Confirm parcel, jurisdiction, boundary and topographic survey, grades and actual site access.
2	Confirm dimensions against the owner program. The photos supply proportions; current model floor area is 7,536.00 sf.
3	Select tunnel and vacuum manufacturers and confirm equipment clearances, maintenance access, water use and vehicle envelopes.
4	Complete geotechnical, foundation, structural and roof design, including tower roofs and rooftop equipment supports.
5	Confirm utility services and loads, reclaim treatment, wash-water disposal, drainage and stormwater design.
6	Complete building, fire, accessibility, means-of-egress, restroom and tower access design, including stairs and any required elevator or lift.
7	Resolve fire protection, chemical storage, ventilation, containment and electrical classifications.
8	Specify façade assemblies, glazing, overhead doors, lighting, signage and planting.
9	Replace owner allowances with coordinated scope and supplier or contractor quotations. Vacuums have no dedicated workbook price.

Site plan / nominal parcel



Reflowed site diagram · nominal feet · north up

SITE ORGANIZATION

1. +X east, +Y north. Tunnel entry faces south, detail openings east, vacuum frontage west.

2. 20 customer stalls; 2 accessible; 6 employee stalls.

3. 8 queued vehicles and 8 vacuum positions.

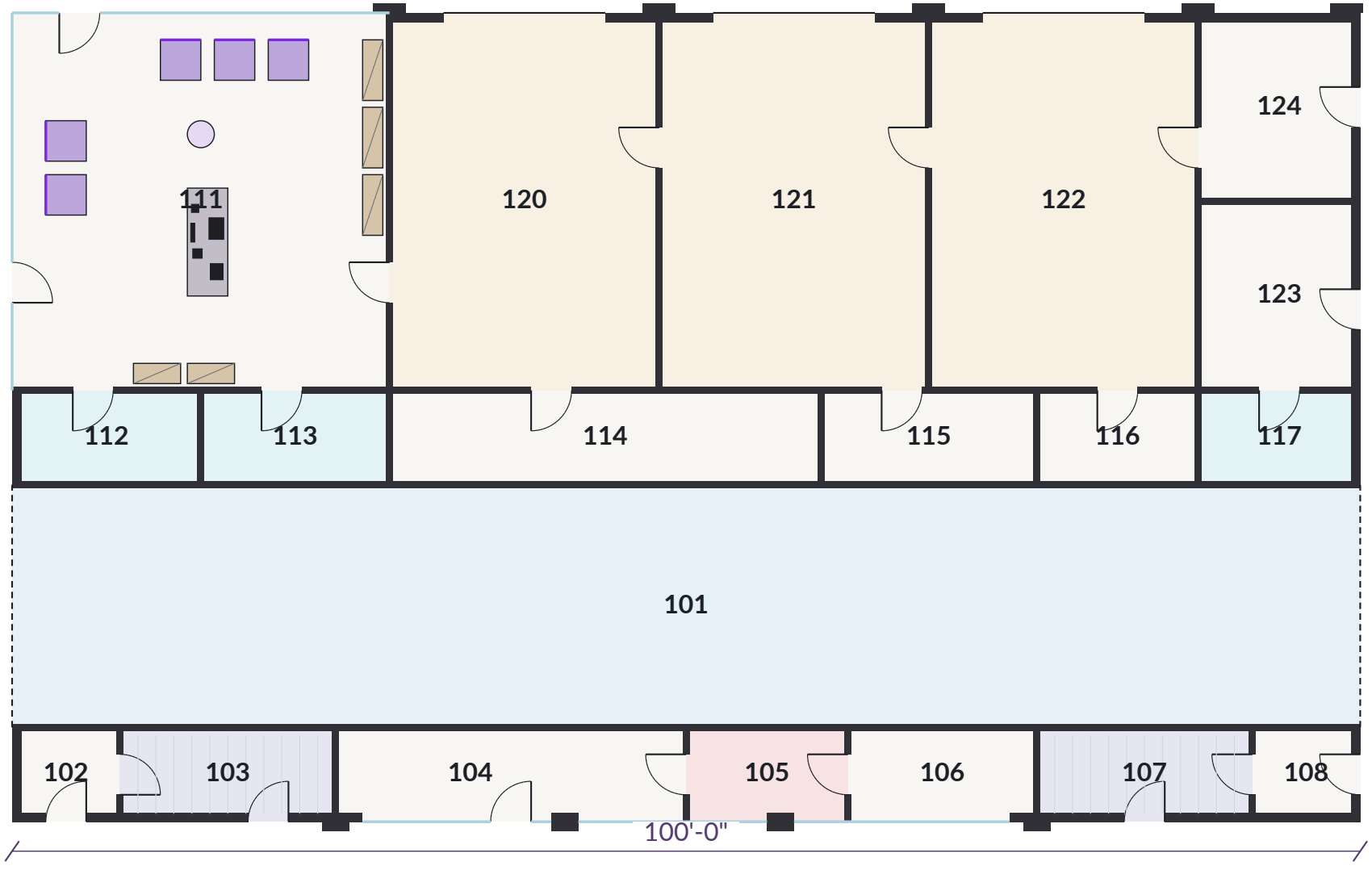
4. The nominal parcel is conceptual context. Survey, driveway, drainage and accessible-route designs remain unresolved.

Site quantities and controls

CONTROL	MODEL VALUE
Parcel	250'-0" × 313'-8"; 1.800 acres
Exposed asphalt	33,076 sf
Concrete outside building	6,000 sf
Landscape beds	13,568 sf
Street / interior setbacks	25'-0" / 10'-0"; assumed
Quantity method	Exposed rectangle unions exclude covered building and landscape.

Ground floor / whole building

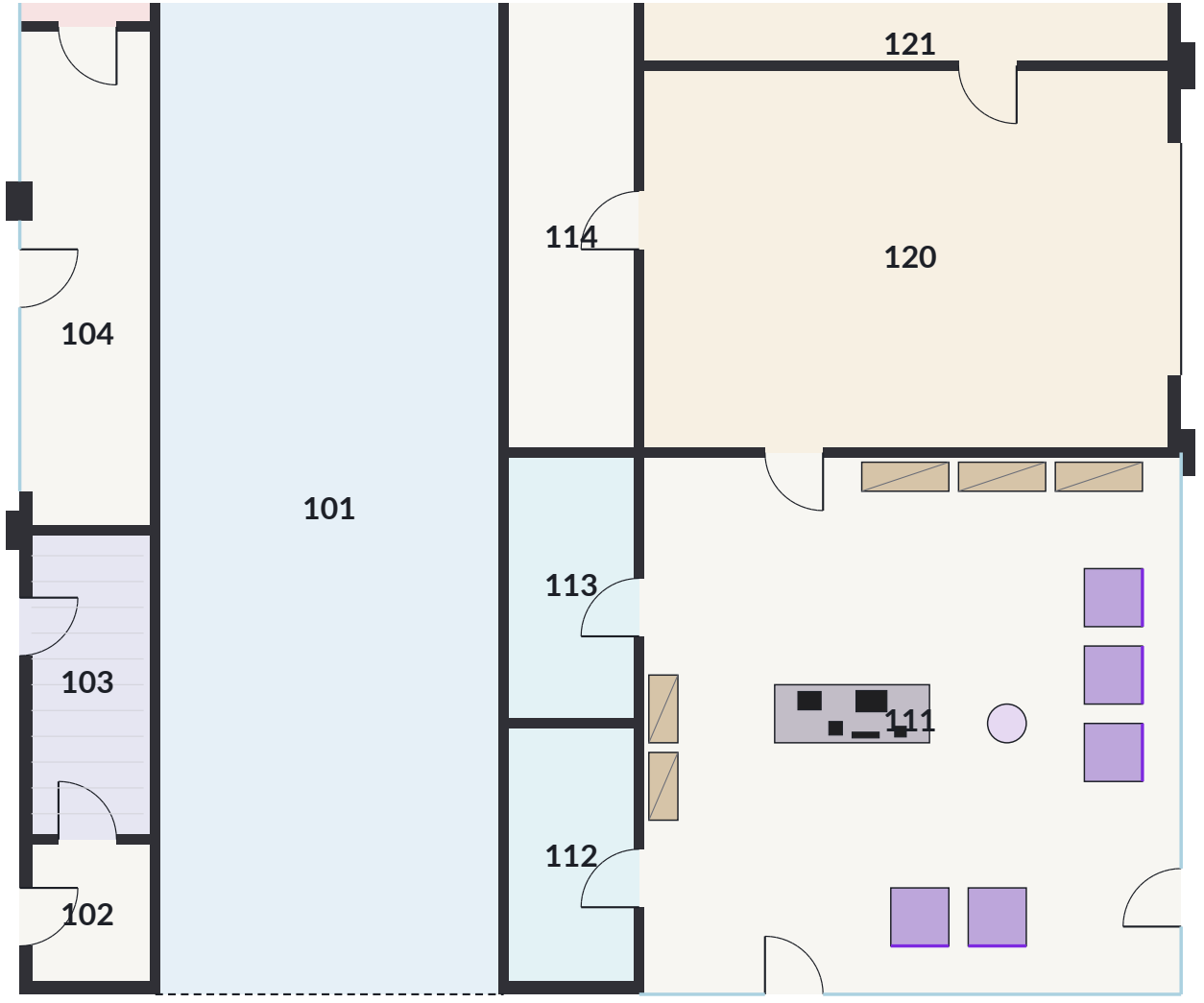
60 × 100 ft nominal enclosure · room numbers link to the following schedule · north →



GROUND

One tunnel. Three detail bays. Corner lounge. Two stair footprints.

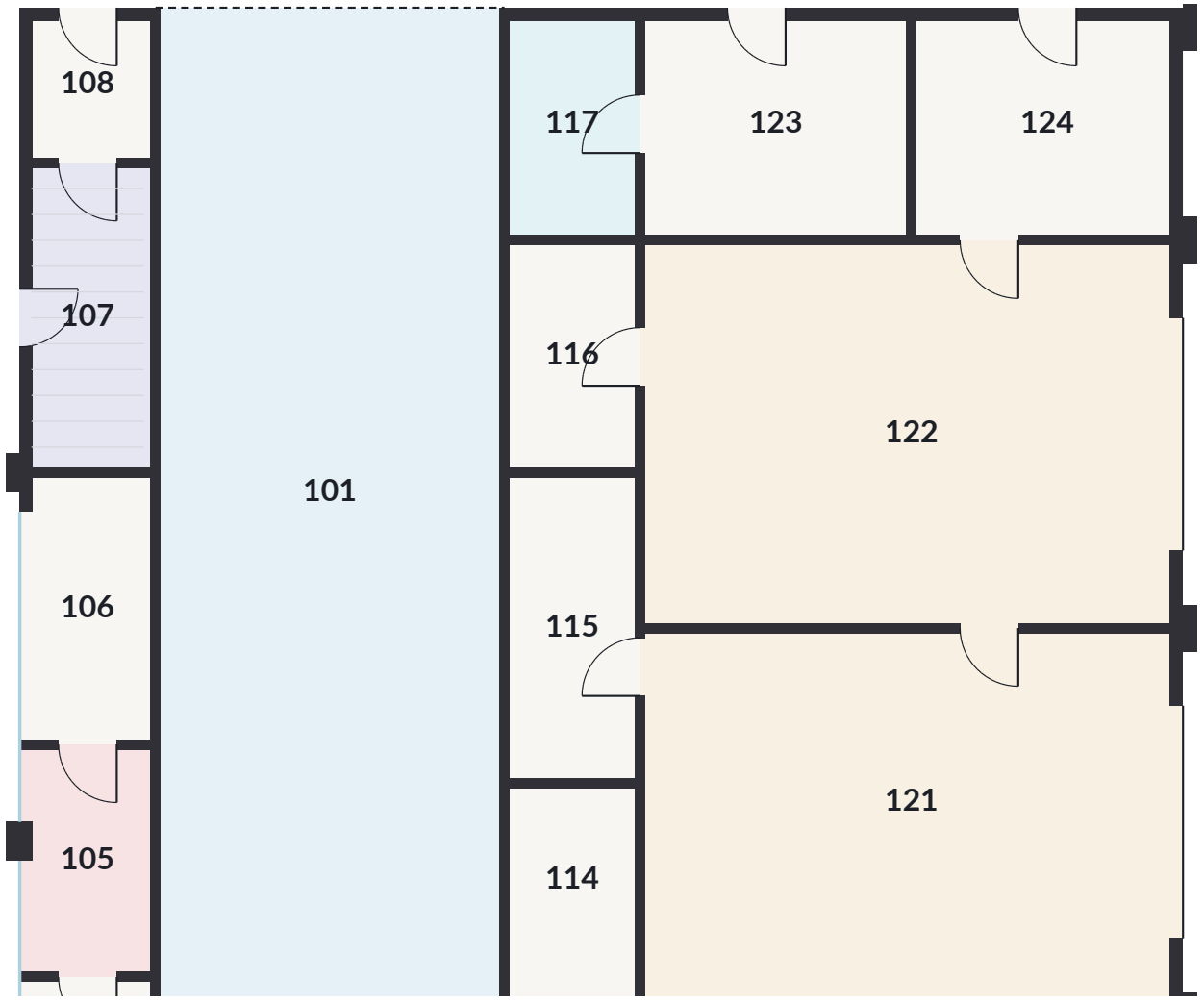
Ground floor / front half



Continued rooms keep their number across the crop.

ROOM	USE
101	Wash tunnel
102	Attendant booth
103	Stair front
104	Reclaim and mechanical
111	Reception, retail, and lounge
112	Restroom A
113	Restroom B
114	Detail supplies
120	Detail bay A
121	Detail bay B

Ground floor / rear half



Continued rooms keep their number across the crop.

ROOM	USE
101	Wash tunnel
105	Chemical storage
106	Vacuum service
107	Stair rear
108	Rear attendant room
114	Detail supplies
115	Staff break room
116	Staff lockers
117	Staff restroom
121	Detail bay B
122	Detail bay C
123	House mechanical
124	Service and receiving

Ground-floor room schedule / 1 of 2

ROOM	USE	GROSS SF	NET SF
101	Wash tunnel	1,800.00	1,726.67
102	Attendant booth	56.00	43.09
103	Stair front	112.00	94.29
104	Reclaim and mechanical	182.00	155.12
105	Chemical storage	84.00	69.96
106	Vacuum service	98.00	82.12
107	Stair rear	112.00	94.29
108	Rear attendant room	56.00	43.09
111	Reception, retail, and lounge	784.00	733.51
112	Restroom A	98.00	85.04
113	Restroom B	98.00	87.75
114	Detail supplies	224.00	204.75

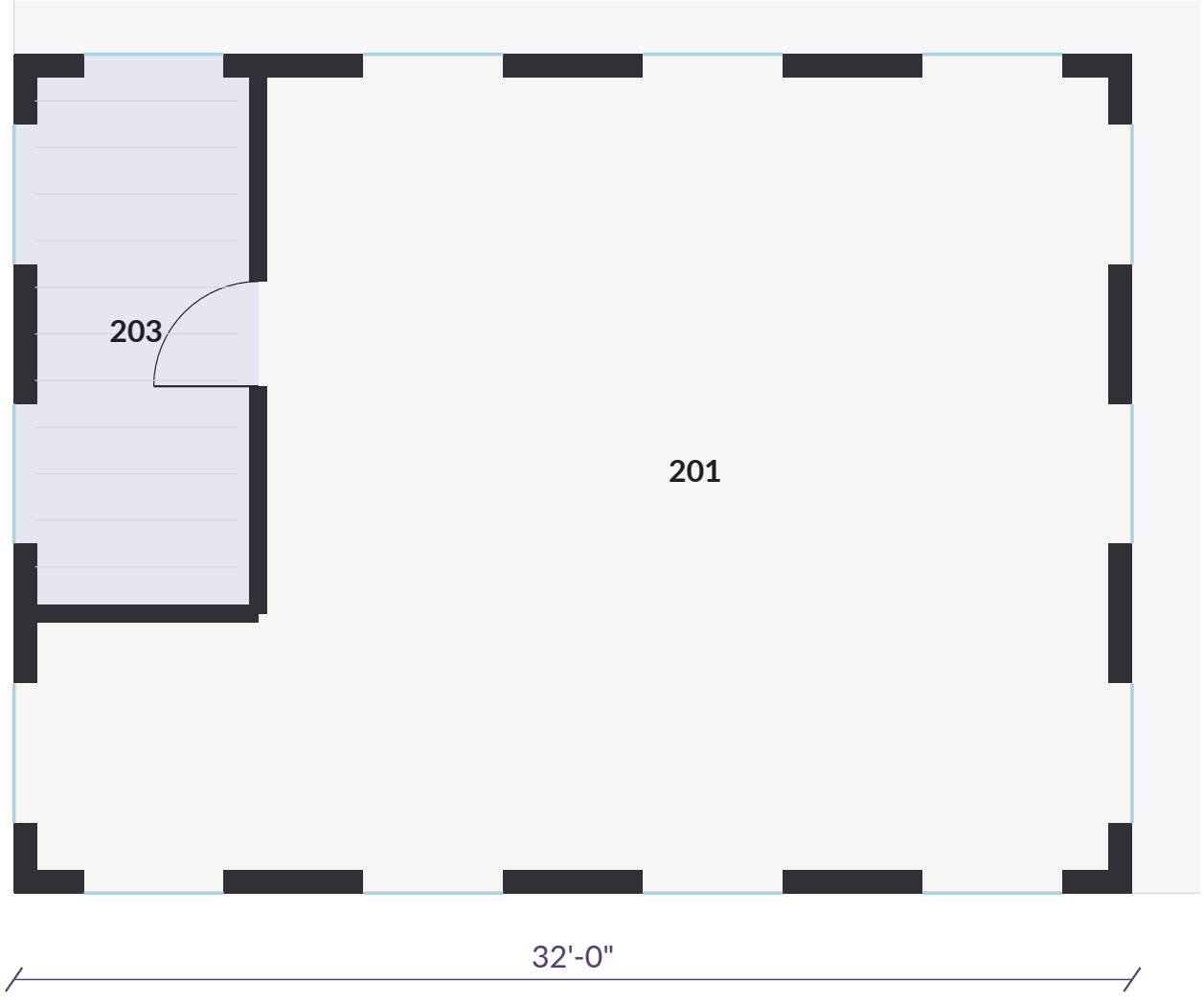
Ground-floor room schedule / 2 of 2

ROOM	USE	GROSS SF	NET SF
115	Staff break room	112.00	100.75
116	Staff lockers	84.00	74.75
117	Staff restroom	84.00	72.04
120	Detail bay A	560.00	528.12
121	Detail bay B	560.00	528.12
122	Detail bay C	560.00	528.12
123	House mechanical	168.00	149.62
124	Service and receiving	168.00	145.01

Plan conventions and access

CONTROL	COORDINATION NOTE
Single enclosure	Ground rooms tile one rectangular enclosure. The two upper tower floors remain part of that building.
Physical openings	Wall contours and storefront glazing are interrupted by all scheduled openings, including D-25 at the west reclaim room.
Nominal dimensions	Nominal opening dimensions establish model geometry. Tunnel clear width includes its partitions; portal width is the nominal exterior aperture.
Room quantities	Gross room area follows exterior faces and partition centerlines. Net areas apply model wall insets. Stair footprints count on both occupied levels.
Stair / access design	Stair footprints, risers, landings, headroom, guards, accessibility, and egress remain preliminary. No accessible lift is confirmed.
Section directions	A / A-301 looks west along the tunnel; B / A-302 looks north through the front tower.

Upper floor / front tower



UPPER FLOOR

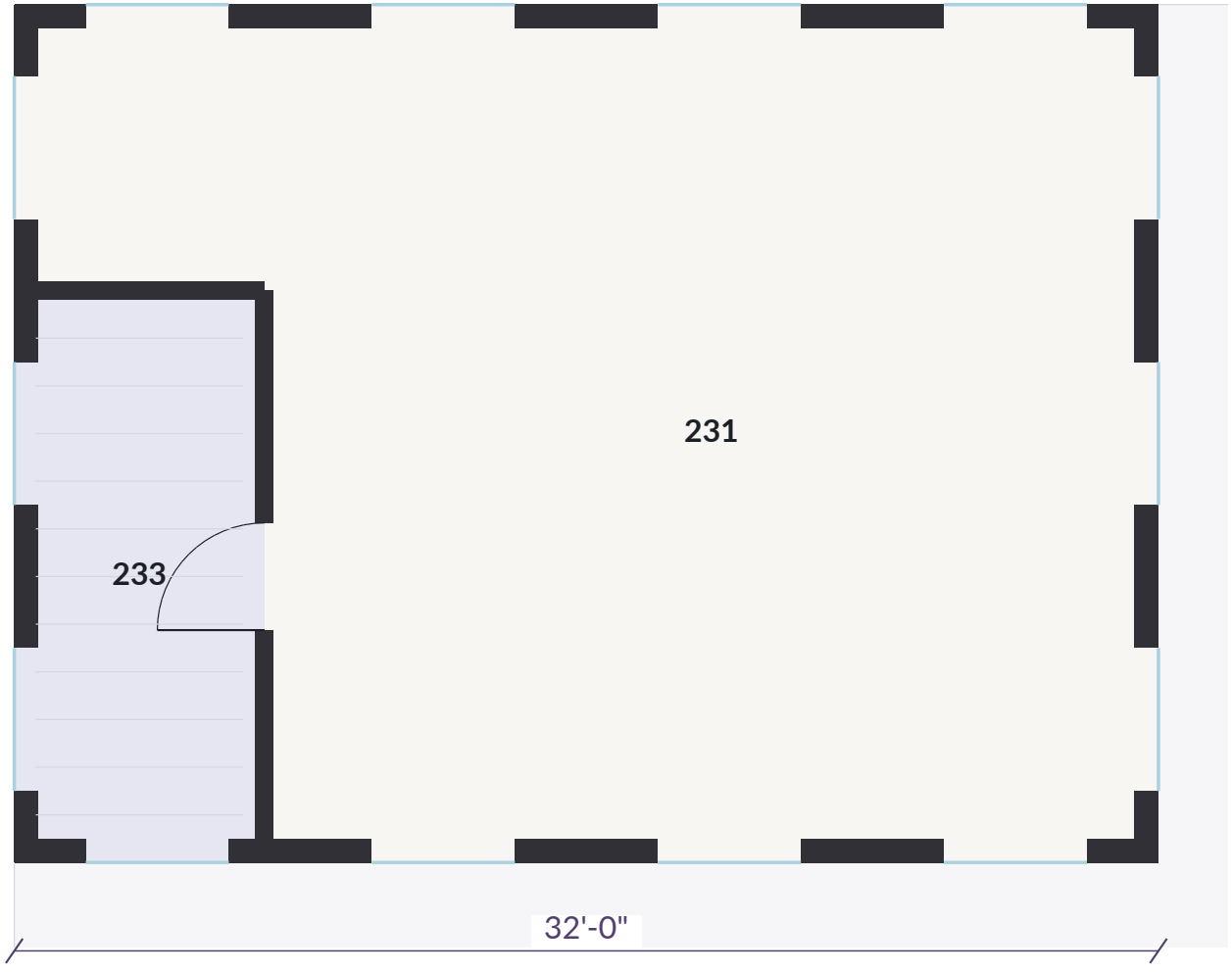
1. Finish floor 15'-0"; tower eave 22'-6".

2. Lavender outer walls are cut by the scheduled tower windows and their center mullions.

3. The slab contour excludes the reserved stair opening. The footprint records planning area on both levels.

4. An accessible upper-floor route, final stairs and egress require design.

Upper floor / rear tower



UPPER FLOOR

1. Finish floor 15'-0"; tower eave 22'-6".

2. Lavender outer walls are cut by the scheduled tower windows and their center mullions.

3. The slab contour excludes the reserved stair opening. The footprint records planning area on both levels.

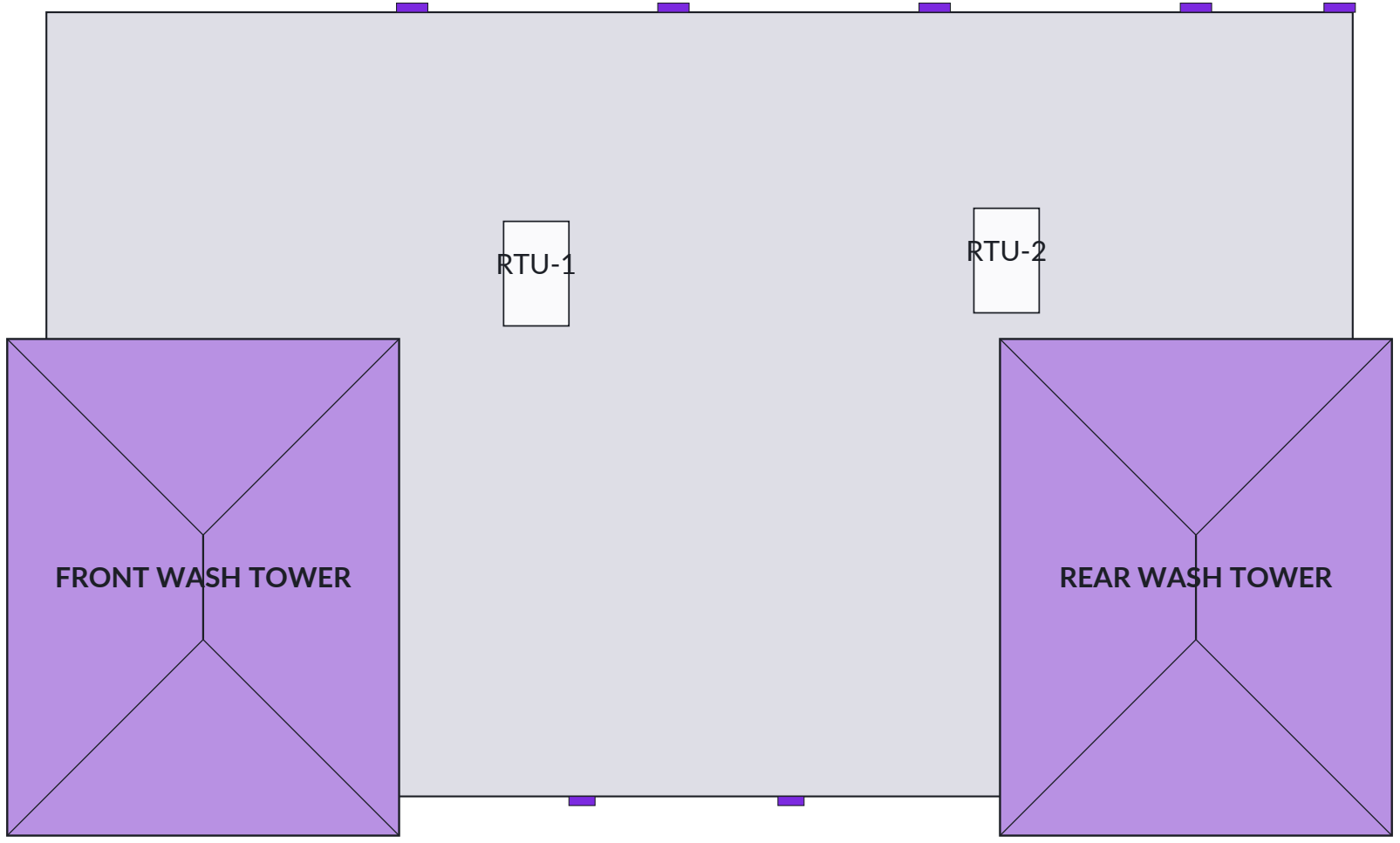
4. An accessible upper-floor route, final stairs and egress require design.

Upper-floor room schedule

ROOM	USE	GROSS SF	NET SF
201	Front tower office	656.00	590.75
203	Stair front	112.00	91.76
231	Rear tower office	656.00	590.75
233	Stair rear	112.00	91.76

Roof plan / two shallow tower hips

Same upper towers, continuous low roof, two nominal roof units and facade piers · north →



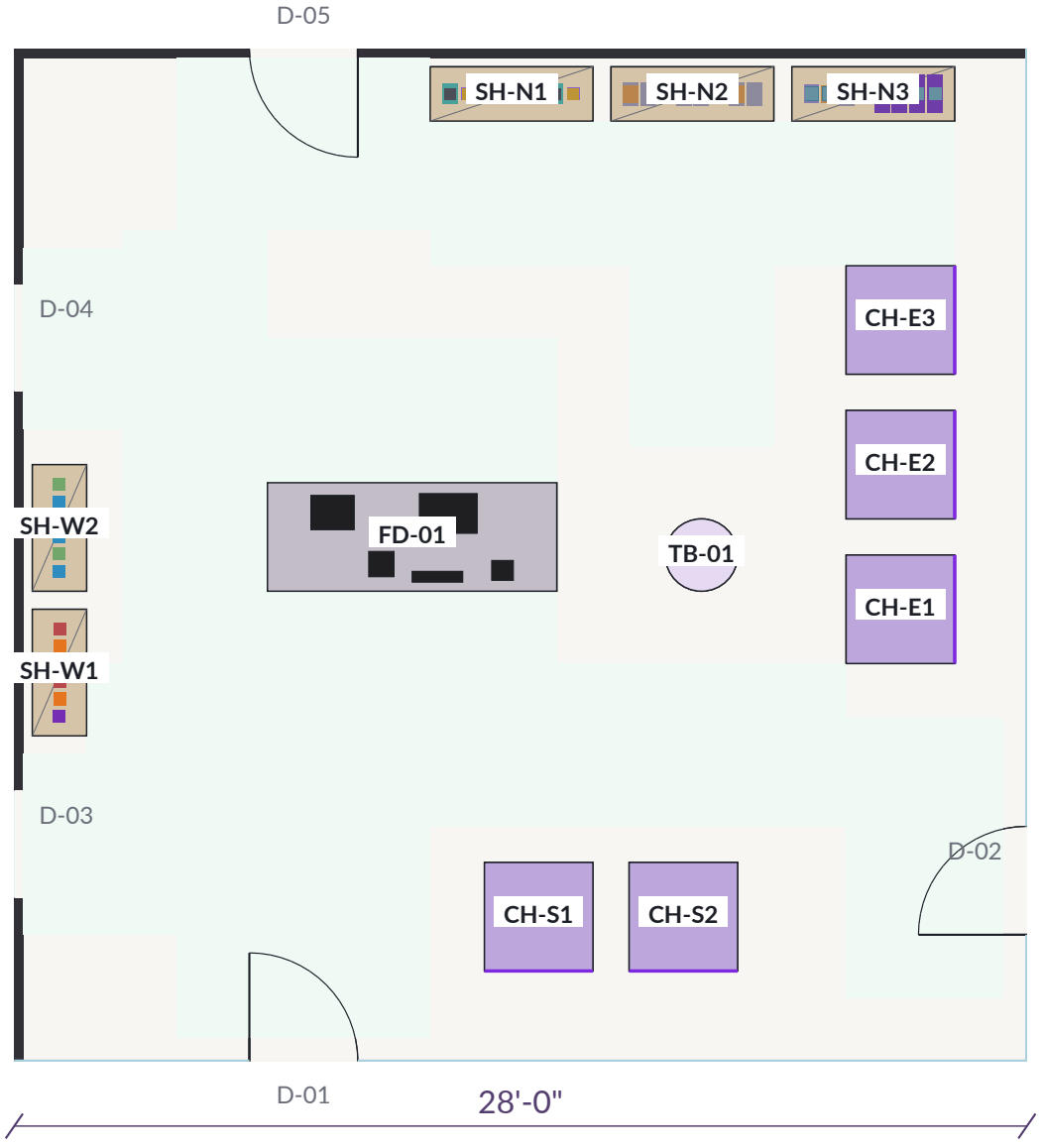
CONTROLS

1. Eave 22'-6".
2. Ridge 24'-6".
3. Overhang 3'-0".

Roof geometry and quantities

CONTROL	MODEL VALUE
Low roof deck / parapet	13'-6" / 15'-0"
Tower overhang	3'-0"
Hip extrusion thickness	0.28 ft
Flat roof horizontal	4,464.0 sf
Hip sloped surface	2,300.2 sf
Professional design	Drainage, membranes, structural spans, flashing, uplift connections and equipment supports remain unresolved.

Storefront / furnishings and retail displays



SHARED STORE INVENTORY

1. 12 furniture and display fixtures; 144 individually placed product packages.

2. Fixture tags match the inventory on the following pages. Product marks share plan locations when stocked on different shelf levels.

3. Pale green floor zones reserve circulation. Furniture and stock do not change the storefront walls, glazing or architectural openings.

4. Johnny Detail packages are concept inventory. Dimensions, label designs and furniture finishes are visual model controls; final procurement remains unresolved.

Storefront fixture inventory / 1 of 2

ID	FIXTURE	FOOTPRINT	HEIGHT	FINISH
SH-W1	Retail Shelf	1'-6" × 3'-6"	7'-0"	Cabinet
SH-W2	Retail Shelf	1'-6" × 3'-6"	7'-0"	Cabinet
SH-N1	Retail Shelf	4'-6" × 1'-6"	7'-0"	Cabinet
SH-N2	Retail Shelf	4'-6" × 1'-6"	7'-0"	Cabinet
SH-N3	Retail Shelf	4'-6" × 1'-6"	7'-0"	Cabinet
FD-01	Checkout Desk	8'-0" × 3'-0"	3'-0"	Wood
CH-S1	Waiting Chair	3'-0" × 3'-0"	3'-1"	Upholstery
CH-S2	Waiting Chair	3'-0" × 3'-0"	3'-1"	Upholstery
CH-E1	Waiting Chair	3'-0" × 3'-0"	3'-1"	Upholstery

Storefront fixture inventory / 2 of 2

ID	FIXTURE	FOOTPRINT	HEIGHT	FINISH
CH-E2	Waiting Chair	3'-0" × 3'-0"	3'-1"	Upholstery
CH-E3	Waiting Chair	3'-0" × 3'-0"	3'-1"	Upholstery
TB-01	Round Waiting Table	2'-0" × 2'-0"	1'-6"	Wood

Retail product catalog and placed quantities / 1 of 2

SKU	PRODUCT	FAMILY	QTY	W × D × H	DISPLAY FIXTURES
JD-APC	All-purpose cleaner	Trigger bottle	8	4.08 × 4.08 × 12.6 in	SH-W1
JD-APP	Foam applicators	Applicator pack	8	4.8 × 6 × 4.56 in	SH-N2, SH-N3
JD-BRU	Detail brush set	Brush pack	12	4.32 × 4.8 × 13.2 in	SH-N3
JD-CMP	Cutting compound	Squeeze bottle	8	3.84 × 3.84 × 10.8 in	SH-N1, SH-N2
JD-DAP	Dual-action polisher	Polisher	4	5.04 × 12.6 × 6.96 in	SH-N3
JD-DEG	Degreaser	Trigger bottle	8	4.32 × 4.2 × 12.96 in	SH-W1
JD-GLS	Glass cleaner	Trigger bottle	12	3.96 × 3.96 × 12.24 in	SH-W2
JD-INT	Interior detailer	Trigger bottle	12	4.08 × 4.08 × 12.36 in	SH-W2
JD-MIC	Microfiber towel set	Microfiber pack	8	5.04 × 7.8 × 4.56 in	SH-N2, SH-N3

Retail product catalog and placed quantities / 2 of 2

SKU	PRODUCT	FAMILY	QTY	W × D × H	DISPLAY FIXTURES
JD-PAD	Polishing pads	Pad pack	8	5.16 × 5.76 × 5.04 in	SH-N2, SH-N3
JD-POL	Finishing polish	Squeeze bottle	8	3.72 × 3.72 × 10.56 in	SH-N1, SH-N2
JD-SEA	Spray sealant	Trigger bottle	12	3.96 × 3.96 × 12.24 in	SH-N1
JD-SHP	pH-neutral shampoo	Jug	12	5.04 × 6.6 × 13.2 in	SH-N1
JD-TIR	Tire dressing	Squeeze bottle	8	3.72 × 3.72 × 10.56 in	SH-N1, SH-N2
JD-TRG	Trigger sprayer	Sprayer	8	3.96 × 4.2 × 12.48 in	SH-N3
JD-WHL	Wheel cleaner	Trigger bottle	8	4.2 × 4.2 × 12.84 in	SH-W1

Retail stock groups / placed packages

GROUP	MERCHANDISE	CATALOG SKUS	PLACED QTY
ST-1	Cleaning chemicals	JD-APC, JD-DEG, JD-WHL	24
ST-2	Glass and interior	JD-GLS, JD-INT	24
ST-3	Wash and protection	JD-SHP, JD-SEA	24
ST-4	Correction and dressing	JD-TIR, JD-POL, JD-CMP	24
ST-5	Textiles and applicators	JD-MIC, JD-APP, JD-PAD	24
ST-6	Tools and sprayers	JD-BRU, JD-DAP, JD-TRG	24

Checkout / countertop equipment inventory

ID	HARDWARE	FOOTPRINT	ELEVATION RANGE	FACING
POS-MAIN	Register Terminal	1'-7" × 1'-1"	3'-1"–4'-8"	N
POS-CUSTOMER	Customer Display	1'-5" × 0'-4"	3'-1"–3'-10"	S
POS-CARD	Card Reader	0'-7" × 0'-7"	3'-1"–3'-4"	S
POS-SCAN	Barcode Scanner	0'-8" × 0'-8"	3'-1"–3'-7"	S
POS-PRINT	Receipt Printer	1'-2" × 0'-11"	3'-1"–3'-8"	N

Storefront circulation and use controls / 1 of 2

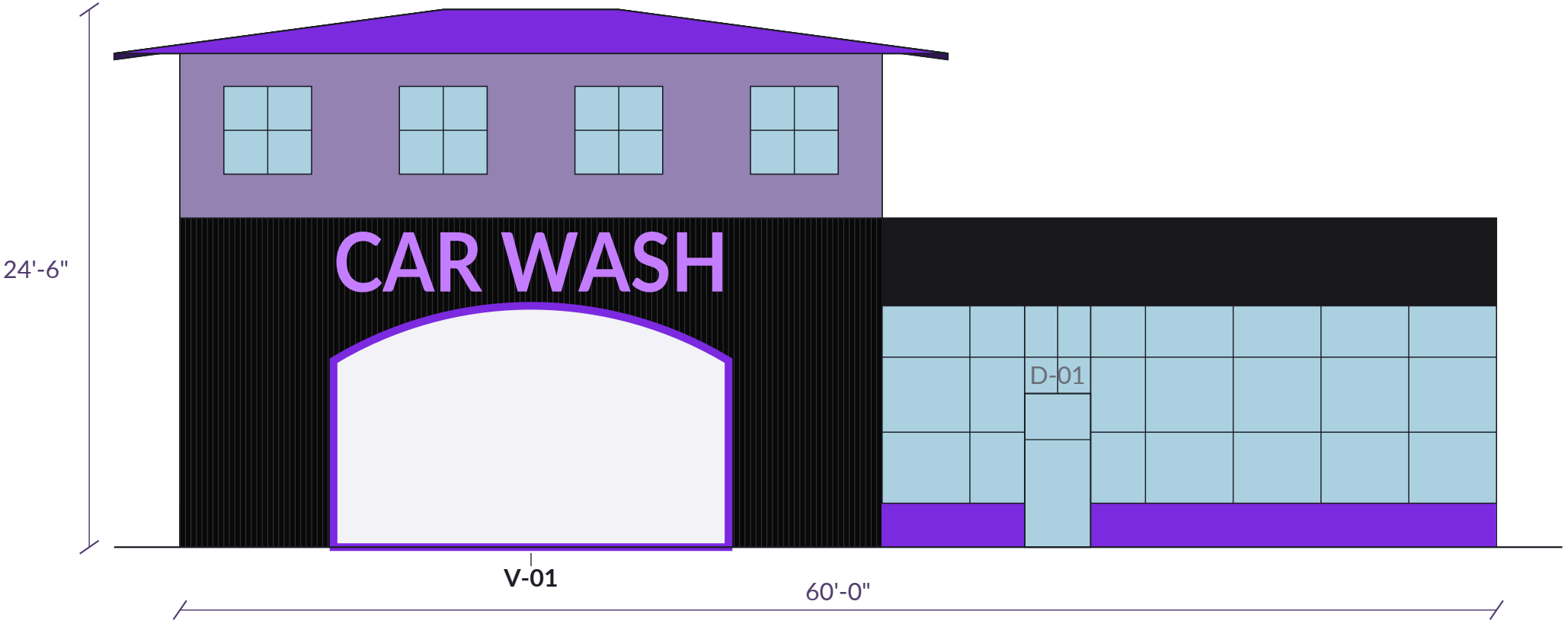
ZONE	ROLE	WIDTH	STATUS
C-SOUTH	South entrance landing	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-EAST	East entrance landing	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-RRA	Restroom A approach	5'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-RRB	Restroom B approach	5'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-BAY	Detail bay connection approach	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-WEST	West through circulation	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-CROSS	Entry cross aisle	4'-6"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-RETAIL	North retail browsing aisle	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.

Storefront circulation and use controls / 2 of 2

ZONE	ROLE	WIDTH	STATUS
C-QUEUE	Customer checkout queue	5'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-STAFF	Checkout staff work zone	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.
C-FLEX	Flexible waiting position	4'-0"	Protected planning floor zone; detailed access and clearances remain unresolved.

South elevation / tunnel entry

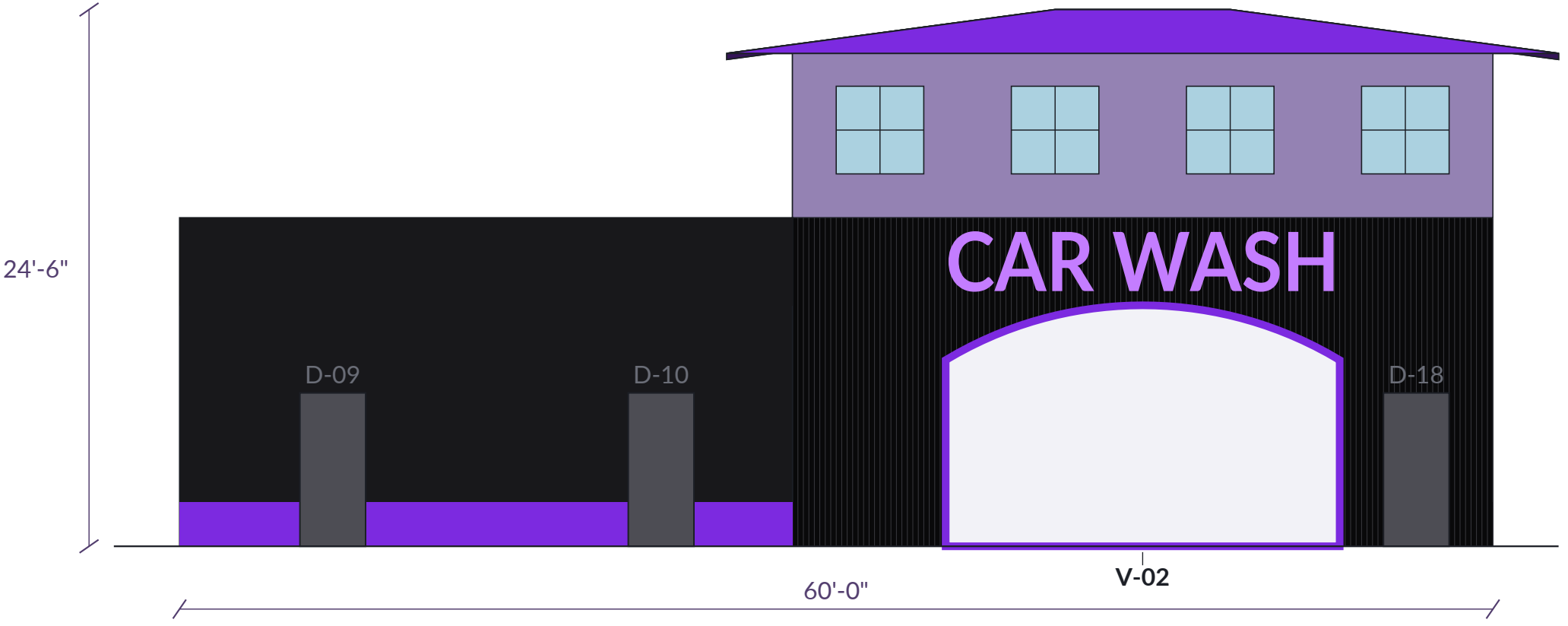
Nominal facade apertures · model mullion grids · complete horizontally fitted sign strings



FACADE CONTROL	MODEL VALUE
Tower eave / ridge	22'-6" / 24'-6"
Opening convention	Widths are nominal apertures. Portal heights are crown heights; tunnel clear width is separate.

North elevation / tunnel exit

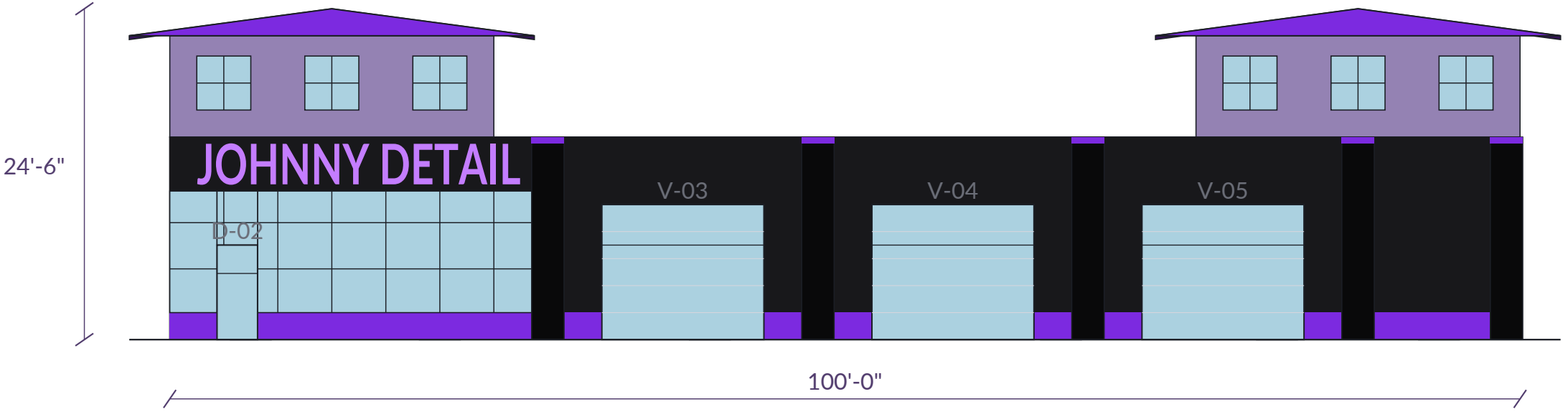
Nominal facade apertures · model mullion grids · complete horizontally fitted sign strings



FACADE CONTROL	MODEL VALUE
Tower eave / ridge	22'-6" / 24'-6"
Opening convention	Widths are nominal apertures. Portal heights are crown heights; tunnel clear width is separate.

East elevation / customer and detail frontage

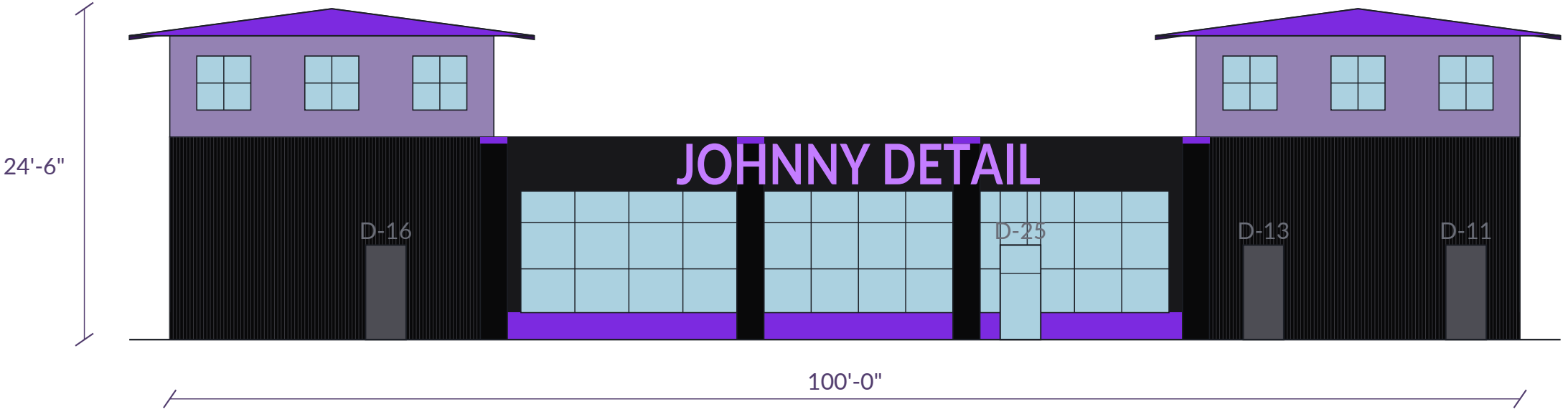
Nominal facade apertures · model mullion grids · complete horizontally fitted sign strings



FACADE CONTROL	MODEL VALUE
Tower eave / ridge	22'-6" / 24'-6"
Opening convention	Widths are nominal apertures. Portal heights are crown heights; tunnel clear width is separate.

West elevation / vacuum frontage

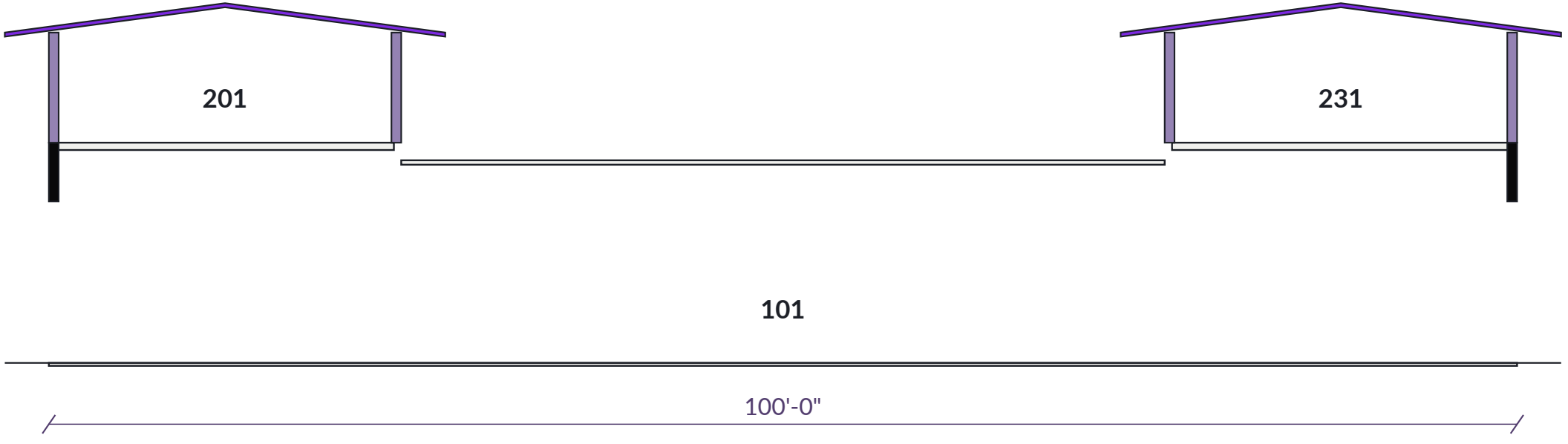
Nominal facade apertures · model mullion grids · complete horizontally fitted sign strings



FACADE CONTROL	MODEL VALUE
Tower eave / ridge	22'-6" / 24'-6"
Opening convention	Widths are nominal apertures. Portal heights are crown heights; tunnel clear width is separate.

Section A / continuous wash tunnel

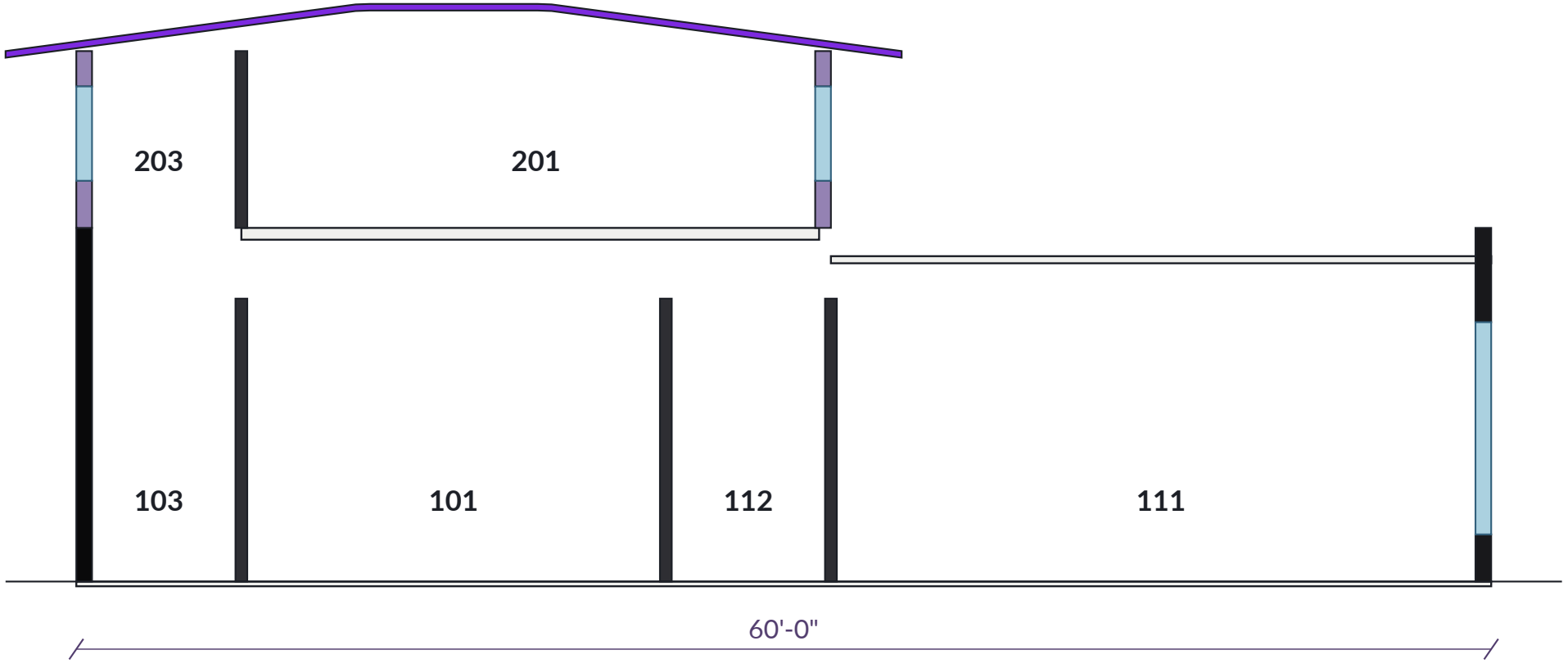
Shared model cuts govern wall bands and openings; glazing appears only where the section intersects it.



SECTION CONTROL	MODEL VALUE
Upper floor	15'-0"
Cut / view direction	Y at 96.00 ft; looks west. Slab and roof bands are preliminary model geometry.

Section B / front tower and customer wing

Shared model cuts govern wall bands and openings; glazing appears only where the section intersects it.



SECTION CONTROL	MODEL VALUE
Upper floor	15'-0"
Cut / view direction	X at 122.00 ft; looks north. Slab and roof bands are preliminary model geometry.

Door schedule / nominal apertures / 1 of 3

MARK	TYPE	WIDTH	HEIGHT	LEVEL	FACE	ROOM
V-01	Wash portal	18'-0"	11'-0"	L1	S	101
V-02	Wash portal	18'-0"	11'-0"	L1	N	101
V-03	Overhead, glazed	12'-0"	10'-0"	L1	E	120
V-04	Overhead, glazed	12'-0"	10'-0"	L1	E	121
V-05	Overhead, glazed	12'-0"	10'-0"	L1	E	122
D-01	Storefront, glazed	3'-0"	7'-0"	L1	S	111
D-02	Storefront, glazed	3'-0"	7'-0"	L1	E	111
D-03	Swing	3'-0"	7'-0"	L1	E	112
D-04	Swing	3'-0"	7'-0"	L1	E	113
D-05	Swing	3'-0"	7'-0"	L1	N	111
D-06	Swing	3'-0"	7'-0"	L1	N	120
D-07	Swing	3'-0"	7'-0"	L1	N	121

Door schedule / nominal apertures / 2 of 3

MARK	TYPE	WIDTH	HEIGHT	LEVEL	FACE	ROOM
D-08	Swing	3'-0"	7'-0"	L1	N	122
D-09	Swing	3'-0"	7'-0"	L1	N	124
D-10	Swing	3'-0"	7'-0"	L1	N	123
D-11	Swing	3'-0"	7'-0"	L1	W	102
D-12	Swing	3'-0"	7'-0"	L1	S	103
D-13	Swing	3'-0"	7'-0"	L1	W	103
D-14	Swing	3'-0"	7'-0"	L1	N	104
D-15	Swing	3'-0"	7'-0"	L1	N	105
D-16	Swing	3'-0"	7'-0"	L1	W	107
D-17	Swing	3'-0"	7'-0"	L1	N	107
D-18	Swing	3'-0"	7'-0"	L1	N	108
D-19	Swing	3'-0"	7'-0"	L1	E	114

Door schedule / nominal apertures / 3 of 3

MARK	TYPE	WIDTH	HEIGHT	LEVEL	FACE	ROOM
D-20	Swing	3'-0"	7'-0"	L1	E	115
D-21	Swing	3'-0"	7'-0"	L1	E	116
D-22	Swing	3'-0"	7'-0"	L1	E	117
D-23	Swing	3'-0"	7'-0"	L2	E	203
D-24	Swing	3'-0"	7'-0"	L2	E	233
D-25	Storefront, glazed	3'-0"	7'-0"	L1	W	104

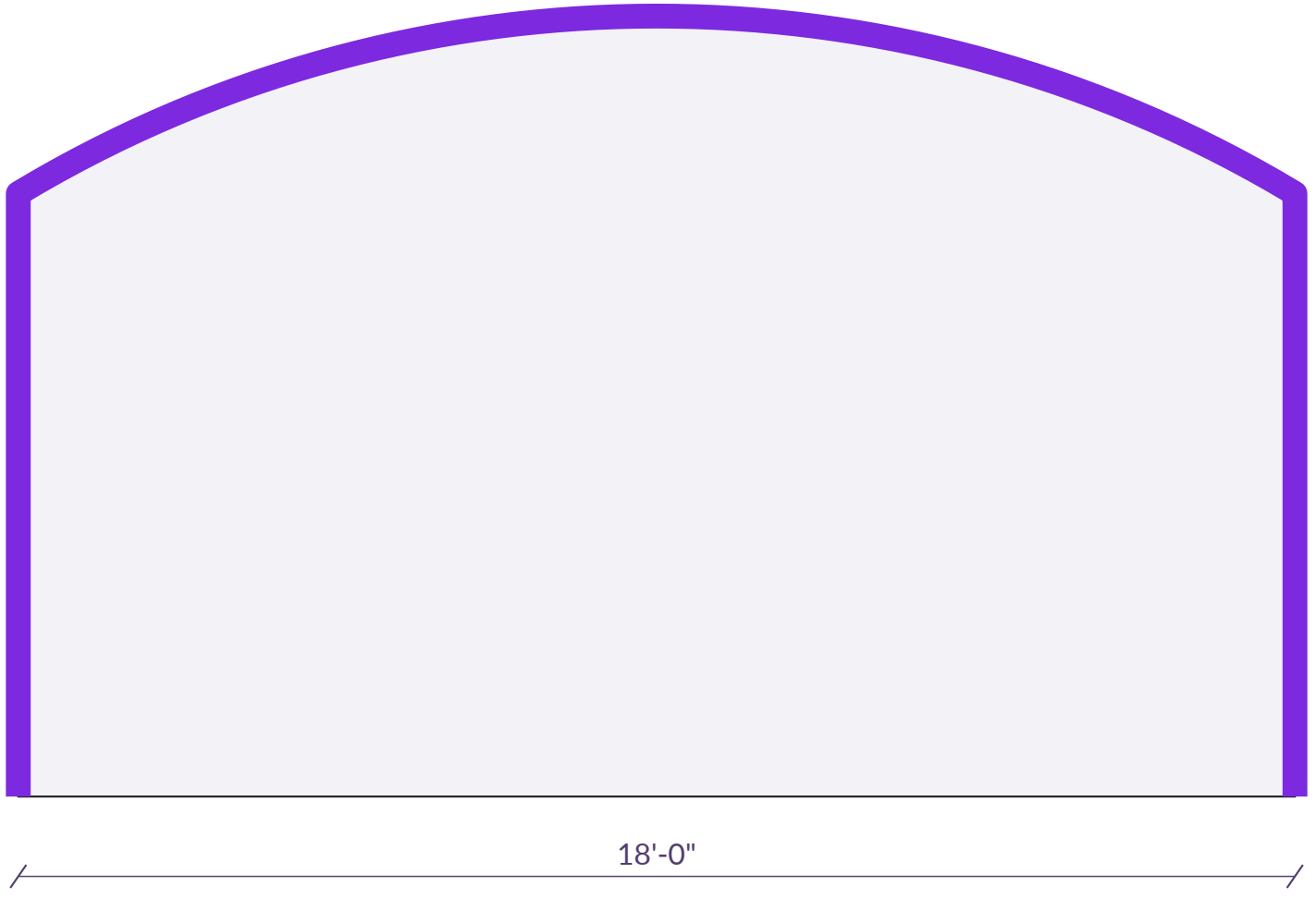
Glazing schedule / grouped model records

MARKS	FACE	WIDTH	HEIGHT	SILL
W-01–W-04	S	4'-0"	4'-0"	17'-0"
W-05–W-07	E	4'-0"	4'-0"	17'-0"
W-08–W-11	N	4'-0"	4'-0"	17'-0"
W-12–W-14	W	4'-0"	4'-0"	17'-0"
W-15–W-18	S	4'-0"	4'-0"	17'-0"
W-19–W-21	E	4'-0"	4'-0"	17'-0"
W-22–W-25	N	4'-0"	4'-0"	17'-0"
W-26–W-28	W	4'-0"	4'-0"	17'-0"
SF-S	S	28'-0"	9'-0"	2'-0"
SF-E	E	28'-0"	9'-0"	2'-0"
SF-W1–SF-W2	W	14'-0"	9'-0"	2'-0"
SF-W3	W	16'-0"	9'-0"	2'-0"

Material quantities / net model areas

SURFACE	NET AREA
Black / charcoal lower wall panels	1,883.1 sf
Lavender upper tower walls	1,232.0 sf
Purple base band	314.0 sf
Charcoal low-roof fascia	832.0 sf
Glazing	1,726.0 sf
Flat roof horizontal	4,464.0 sf
Hip roof sloped surface	2,300.2 sf

Portal detail / curved nominal opening



PORTAL PROFILE

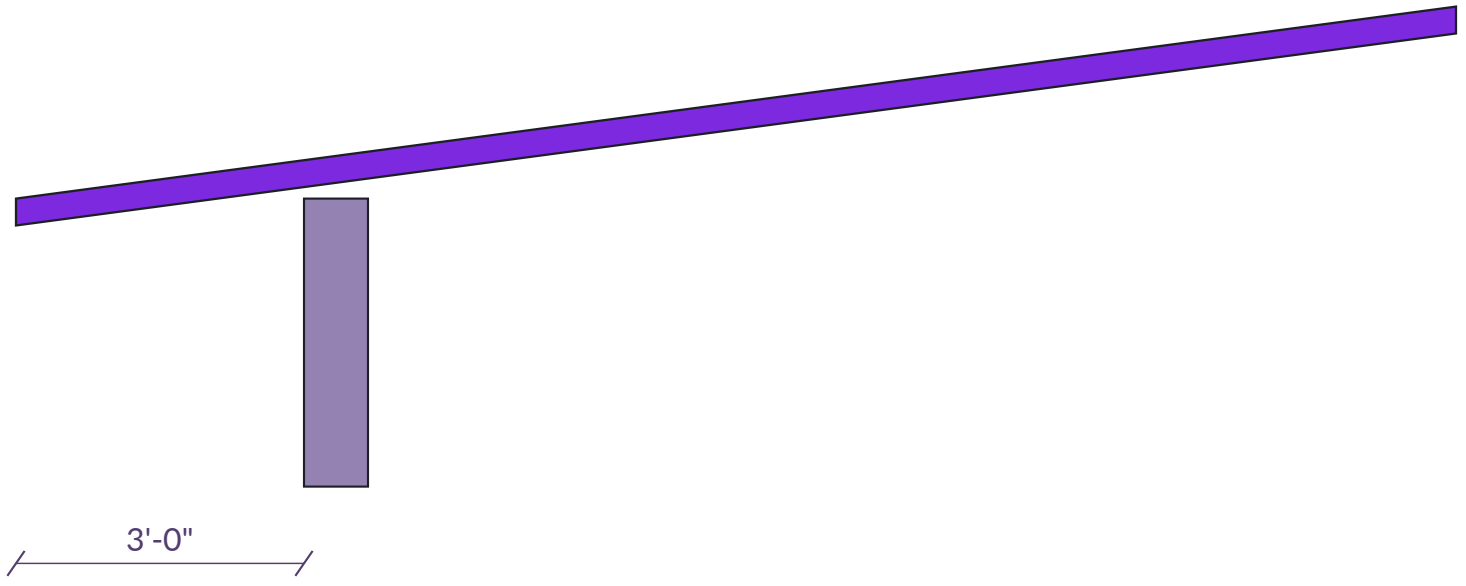
1. 18'-0" nominal width; 11'-0" crown.

2. Spring 8'-6"; circle radius 17.45 ft.

3. Purple trim 0.35 ft wide.

4. The curved contour is sampled from the same circular model profile. Headers, jambs and reinforcement require design.

Roof edge detail / shallow extruded hip



ROOF EDGE

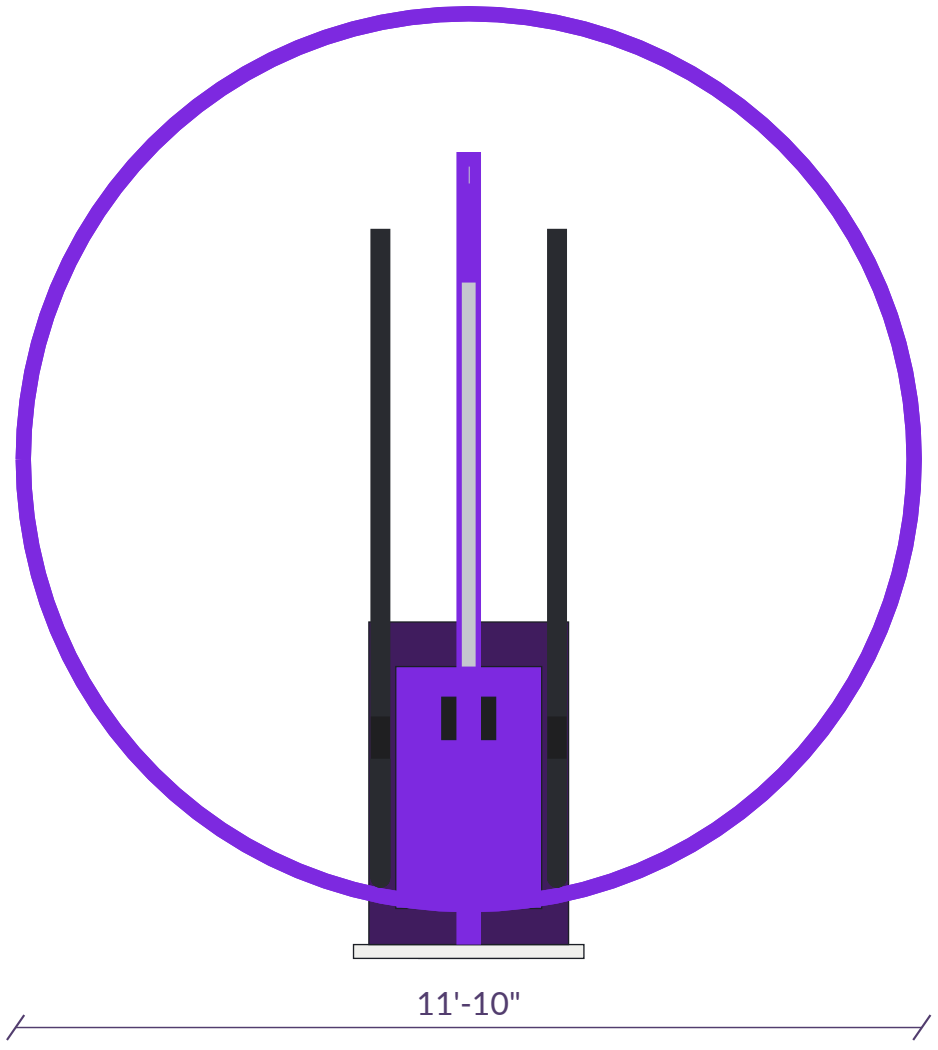
1. Overhang 3'-0".

2. Model thickness 0.28 ft.

3. Eave 22'-6"; ridge 24'-6".

4. Lavender tower walls and purple roof planes use the shared geometry. Flashing, seams, waterproofing, fasteners and connections remain unresolved.

Vacuum assembly / west-facing front



ASSEMBLY GEOMETRY

1. Representative station VAC-1; 8 stations use the shared design.

2. Overall physical height 12.4 ft, including tube thickness. Drawing dimension labels round to the nearest inch.

3. Two 11.8 ft outside-diameter rings occupy planes 1.6 ft apart. They coincide in the front projection; side and plan show the spacing.

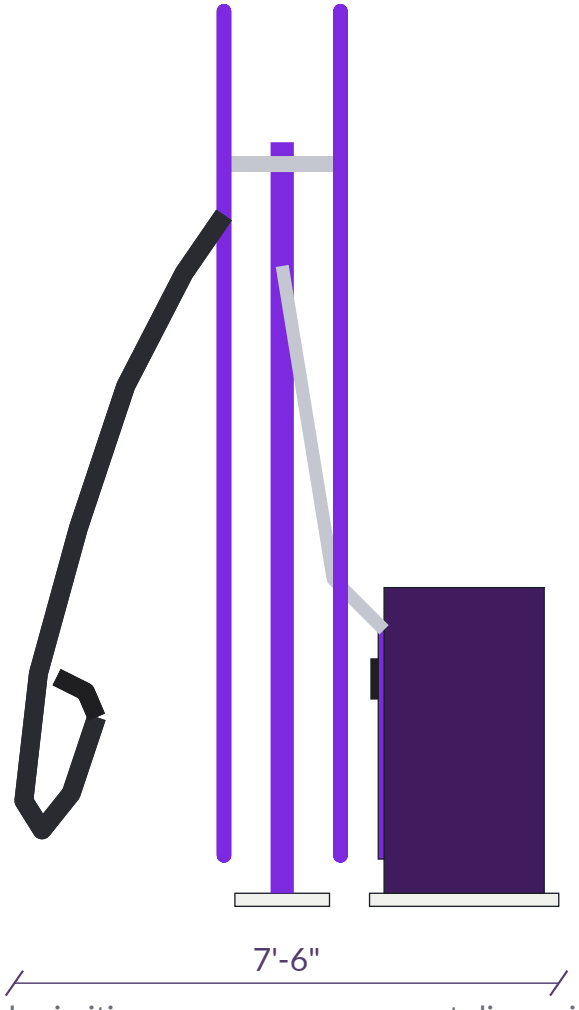
4. Neighbor centers 12 ft; nominal ring gap 0.2 ft.

5. Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.

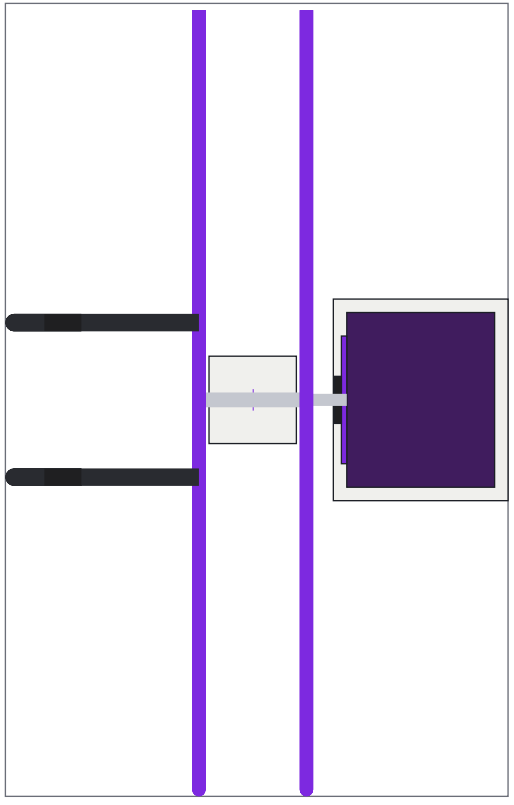
6. Resting hose and nozzle positions are visual design. Suction, power, anchorage and operating clearances require equipment engineering.

Vacuum assembly / side and equipment plan

SIDE / LOOKING NORTH



COMPLETE ENVELOPE / NORTH UP



Shared primitives preserve component dimensions; front, side and plan views use independent reflow scales.

Vacuum station inventory and full envelopes / 1 of 2

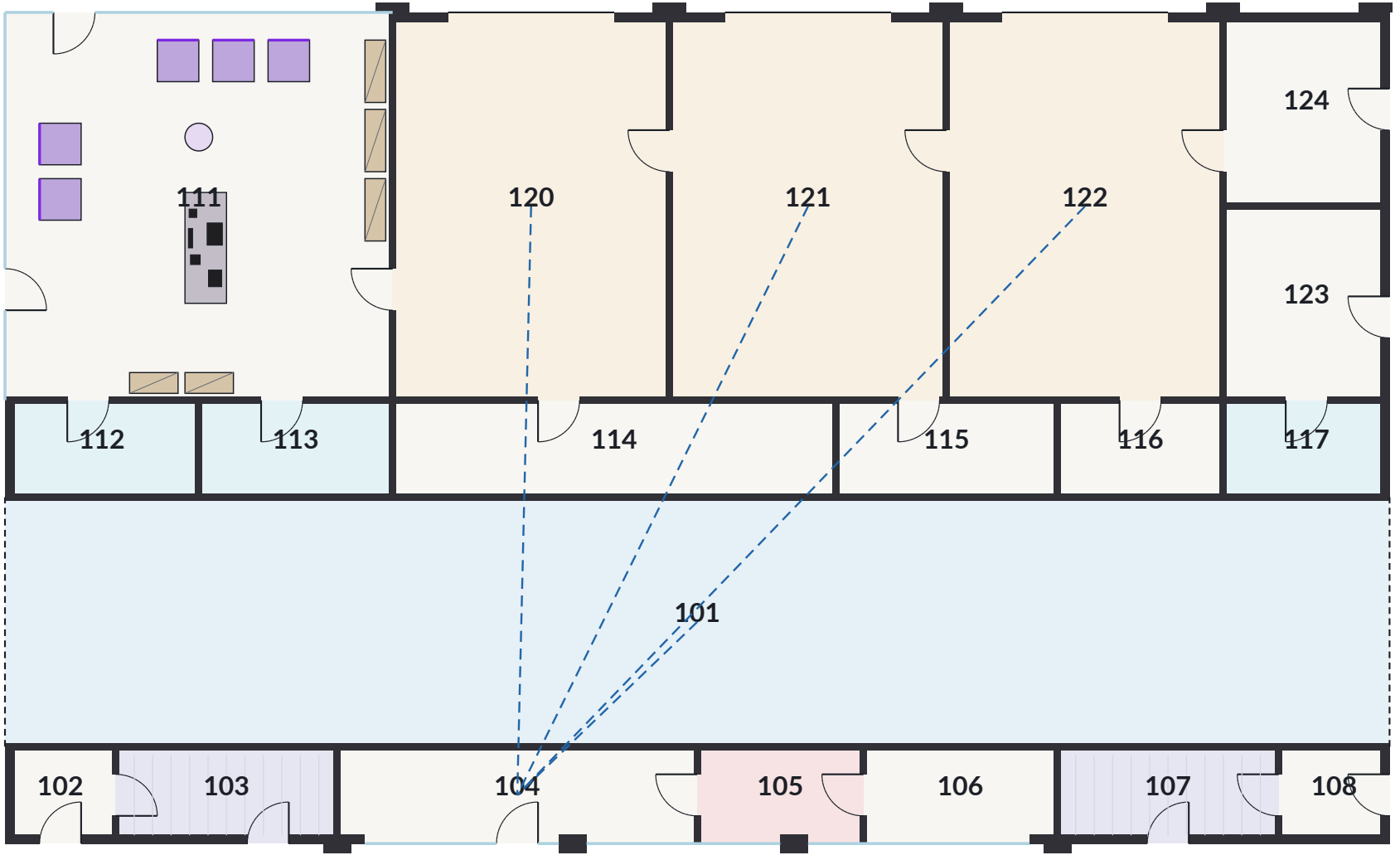
ID	CENTER X, Y (FT)	FACE	E–W × N–S × HEIGHT	STATUS
VAC-1	70, 118	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.
VAC-2	70, 130	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.
VAC-3	70, 142	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.
VAC-4	70, 154	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.
VAC-5	70, 166	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.
VAC-6	70, 178	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.

Vacuum station inventory and full envelopes / 2 of 2

ID	CENTER X, Y (FT)	FACE	E–W × N–S × HEIGHT	STATUS
VAC-7	70, 190	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.
VAC-8	70, 202	W	7.48 × 11.80 × 12.40 ft	Reference-inspired twin-hoop equipment; external ring diameter 11.8 ft, with 0.2 ft nominal separation. No manufacturer selected.

Equipment plan / preliminary collection intent

Dashed blue paths indicate collection intent toward reclaim room 104 · north →



Room numbers refer to the coordinated floor schedules. Utilities and process systems require engineering.

Equipment and utility coordination

EQUIPMENT	LOCATION	PLANNING ENVELOPE	STATUS
Wash conveyor and equipment	Room 101	One straight 18 ft by 100 ft gross tunnel with 17.5 ft nominal clear width; centered 18 ft nominal arched portals.	Provisional; coordinate equipment and clearances with a vendor.
Wash reclaim system	Room 104	Reserved 7 ft by 26 ft gross support room.	No selected product, utility loads, or process design.
Chemical storage	Room 105	Reserved 7 ft by 12 ft gross room.	Containment, separation, and ventilation require development.
Twin hoop vacuum stations	West frontage	8 stations with paired 11.8 ft outside-diameter rings, 10.5 ft posts, 4.2 ft cabinets, and two customer-side hoses each.	Concept equipment with 0.2 ft nominal ring separation; no manufacturer or performance rating selected.
Detail equipment	Rooms 120, 121, 122	Three 28 ft by 20 ft gross modules with 12 ft by 10 ft east-facing openings.	Tooling, exhaust, utilities, and trench drains require development.
Rooftop HVAC units	Continuous low roof	Two generic 8 ft by 5 ft by 4 ft units.	Planning geometry only; no load calculation or selected model.
Electrical service	Room 123	House mechanical space is reserved.	Utility coordination and service sizing are unresolved.