



TO: ANTIOCH PLANNING COMMISSION
FROM: Jose Cortez, Associate Planner
APPROVED: Anne Hersch, Planning Manager
SUBJECT: Laurel Ranch Design Review (AR-22-01)
DATE: April 6, 2022

Property Owner/ Applicant/Representative:

KB Home
4830 Business Center Drive, Suite 150
Fairfield, CA 94534

PROJECT: Laurel Ranch Design Review FILE #: AR-22-01 APN: 053-060-051 GP LU: East Lone Tree Focus Area: Residential/Open Space ZONING: Planned Development PLANNER: Jose Cortez	Original filing: January 25, 2022 Date Deemed Complete: February 18, 2022 Date of Notice Posted/Mailed: March 17, 2022 Date of Public Hearing: April 6, 2022 Total number of days to hearing: 71 days
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RECOMMENDED ACTION

It is recommended that the Planning Commission adopt the resolution approving Design Review for the Laurel Ranch project approving residential architecture, parks, and landscaping for the Laurel Ranch Subdivision project at APN: 053-060-051.

HISTORY

In 2016, the City Council approved the following entitlements for Laurel Ranch:

- Planned Development rezone the site to PD-15-03
- Vesting Tentative Map/Final Development Plan
- Development Agreement for the Laurel Ranch residential project

PARKS & RECREATION COMMISSION RECOMMENDATION

The Parks and Recreation recommends that the Planning Commission approve of the "Laurel Ranch Parks" Conceptual Landscape Plans to the Planning Commission with minor modifications including the addition of split rail fencing, and the addition of fountains near the play structure and picnic benches.

SITE LOCATION



Image 1. Laurel Ranch Site Location

BACKGROUND

The project PD approvals allow for the development of 180 single family homes and associated improvements, including parks and open space parcels, on a portion of a 54-acre parcel. The development includes two single family detached neighborhoods: Conventional and Private Lane. Table 1 provides a unit summary for the two neighborhoods.

Product Type	Lot Size	Unit Total
Conventional: Single Family	4,000	88 units
Private Lane: Six Unit Grouping	2,580	92 Units
		180 Units total

Table 1. Unit Summary

For the Private Lane development, lots will front onto a short private lane that takes access from the public streets. Each home with an individual driveway and private side and rear yards for personal use. The original applicant was not the current home builder. Therefore, project specific Design Review Guidelines were adopted for the project.

ANALYSIS

The 2016 project approvals require separate Design Review for the architecture, parks, open space, and landscaping. The project previously received Planning Commission approval for

project landscaping, sound walls, minor revisions to the previously approved Stormwater Control Plan, and project improvements on December 15, 2021.

On January 25, 2022, the applicant, KB Home, submitted an application for a Design Review for the project architecture, parks, and landscaping. The proposed Design Review request includes:

- **Residential Architecture:** There are two different residential dwellings offered:
 - Single Family Dwelling: Spanish, Traditional Farmhouse, Contemporary Farmhouse architectural styles
 - Cluster: Americana, Country European, West Coast Classic architectural styles
- **Parks:** Park design of two parks, and open space parcel (lot 48)
- **Landscaping:** Front yard landscaping for the various elevations

Residential Architecture: Single Family Dwelling

The applicant is proposing nine home plans ranging in size from 1,420 to 2,778 square feet for the two residential dwelling types offered. The Single Family (Conventional) product will offer a Spanish, Traditional Farmhouse, Contemporary Farmhouse architectural styles, which will be offered as five different plans.

Spanish

The Spanish style features asymmetrical massing with low pitched hip or gable roofs covered in “S”-shaped concrete tiles. The walls are stucco and feature arched openings. Gables are adorned with a recessed geometric floral pattern. Shaped trim pieces enhance the entrances to further enhance the elevation and add visual interest to the entrances. The vertically oriented windows have a 2-over-2 mullion pattern accented with simple trim at the top and bottom and decorative plank shutters. Feature windows are accented by pot shelves with shaped corbels. Theme specific 16-panel garage doors and selected coach lights are also featured.

Traditional Farmhouse

The Traditional Farmhouse style features asymmetrical massing with hip roofs and intersecting gables covered in flat slate-style concrete tile. The walls are stucco with shaped eaves and stone veneer along the base. Gables feature decorative recessed vents. Entrances feature wide porches with wood posts and decorative brackets. The vertically oriented windows have a 6-over-6 mullion pattern with 4-sided trim accented by enhanced trim at the headers. Feature windows include proportional decorative plank shutter with ‘Z’-pattern or diamond cutouts and pot shelves with shaped corbels. 32-panel garage doors with decorative slats and coach lights are indicative of the style.

Contemporary Farmhouse

The Contemporary Farmhouse style features asymmetrical massing with low pitched hip and gable roofs covered in flat shake-style concrete tile. The walls are stucco and feature box bay windows with decorative paneling. Accent walls and gables are highlighted with board and batten siding in contrasting colors and band trim. Arches are used to identify Entryways. The vertically oriented windows have a 4-over-4 mullion pattern and are accented with 4-sided trim and proportional paneled shutters. Feature windows are accented by pot shelves with shaped corbels. 32 panel garage doors and selected coach lights further compliment the Contemporary Farmhouse style.

Residential Architecture: Cluster

The Cluster product will offer Americana, Country European, West Coast Classic architectural styles, and offered as four different plans. Themed specific siding, stone veneer, garage doors, window mullions, lighting, and roof tiles are included for each architectural style. Both product types are predominantly two stories, with the exception that the Single-Family product offers a single-story plan, while the cluster product only offers two stories.

Americana

The Americana architectural style features asymmetrical massing with medium to steep pitched gable roofs covered in flat shake-style concrete tiles. The walls are a mix of stucco and vertical board and batten siding with decorative brick veneer and band trim to define the base. Entry porches feature wood posts with decorative brackets. The vertical windows have a 2-over-2 mullion pattern accented with 4-sided trim with enhanced trim pieces at the top and bottom and decorative louvered shutters. Feature windows are accented by pot shelves with shaped corbels. 16-panel garage doors and selected coach lights are indicative of the American style.

Country European

The Country European architectural style features asymmetrical massing with hip roofs and intersecting gables covered in flat slate-style concrete tile. The walls are stucco with stone veneer along the base for additional visual interest. Gables feature contrasting horizontal siding with shaped corbels. Entrances are defined by fully rounded arched openings or wide porches with wood posts and decorative brackets. The vertical windows have a 4-over-4 mullion pattern with 4-sided trim accented by enhanced trim at the headers. Feature windows include proportional decorative plank shutters with 'Z'-pattern and pot shelves with shaped corbels. 32-panel garage doors with decorative slats and selected coach lights complement the Country European style.

West Coast Classic

The West Coast Classic style features asymmetrical massing with low pitched gable and hip roofs covered in flat shake-style concrete tile. The walls are an articulated combination of stucco and horizontal siding with band trim and decorative stone veneer at the base. Gables are highlighted with vertical board and batten siding in contrasting colors and decorative outlookers. Porches identify the Entryways with tapered columns on stone bases. The vertical windows have a 3-over-1 mullion pattern and are accented with 4-sided trim. Feature windows are accented by pot shelves with shaped corbels. 32-panel garage doors and selected coach lights further enhance the West Coast Classic style.

Garage Design

Both the Single Family and Cluster product offer a front-loading garage. The various elevations and plan types are primarily front-loading garages, except for the cluster that offers two plans that offer a side loading garage due to the configuration and layout of the Cluster homes. The plans all feature a 20'x20' two-car garage, as recommended by the "Laurel Ranch Architectural Design Guidelines". Additionally, each garage door also has an architectural themed style.

In compliance with Section 6.C.2 of the Citywide Design Guidelines which states that "the highest level of articulation will likely occur on the front façade and facades visible from public streets." The applicant included enhanced facades for street corners, street facing, alley or open areas. All

home plans also have an outdoor covered living area as an option. The enhancements and options are detailed on the project plans (Attachment B). The architectural styles are consistent with the previously approved “Laurel Ranch Architectural Design Guidelines”. The guidelines aimed to provide a framework for high-quality homes in the two neighborhoods of Laurel Ranch. Compliant with the guidelines, the various architectural styles, and plan types proposed provide for a distinct, and cohesive neighborhood. The architectural styles are all offered on each different plan type.

Parks and Open Space

The 2016 approvals included the approval of project specific design guidelines that include architectural development standards, and landscaping guidelines including guidelines for the parks and open spaces. Currently, the applicant is proposing a 10,720 SF park (Parcel A) and a 5,169 SF park (Parcel B), which shall be maintained by a developer established HOA.

The applicant has also proposed to remove the home from lot 48 and replace it with a passive green space. The applicant is requesting this change because a dry gas well that was never active was located on the lot. There are no land use restrictions, locally or at a State level, that would prohibit the use of this parcel for residential uses. The applicant has elected to pursue this change and staff is supportive of this request. The change is consistent with the project approvals allowing up to 180 units and creating a residential development with homes, open spaces, and parks.

The Parks and Open space designs and layouts are consistent with the Guidelines. The three separate open space parks create a variety of opportunity. Parcel B park provides an additional path to the City’s Delta DeAnza Trail system. A bench at the sidewalk provides a place for neighbors to meet up for a hike on the trail, or a place to cool down afterwards. The addition of the open space parcel at Lot 48, provides residents with an additional level lawn area with a walking path, bench seating, and smaller scale lawn for open play. The Parcel A park provides a large space for the neighborhood to gather. A colorful play structure serves as the focal point at the center of the park, surrounded by a large open lawn play area. The park provides bench seating for the residents of the neighborhood and additional amenities including a shaded picnic area with barbecue. A low rail fence borders the park and helps to provide separation from the park and the street.

On February 17, 2022, the City of Antioch’s Parks and Recreation recommended approval of the “Laurel Ranch Parks” Conceptual Landscape Plans to the Planning Commission with minor modifications including the addition of split rail fencing, and the addition of fountains near the play structure and picnic benches.

Landscaping

The 2016 approvals included the approval of project specific design guidelines for landscaping. The Planning Commission previously reviewed and approved the projects street trees, open space and green space landscaping, and the project entry design and landscaping. The Planning Commission did not review the front yard landscaping. The applicant has now returned with the front yard landscaping for approval along with the home architecture. The proposal includes plan and style specific landscaping to provide a varying landscape in the neighborhood and add visual interest to the streetscape. Taller plants are used to frame entries and windows, similarly signature plants will be used to identify the different styles of the architecture. The Traditional Farmhouse style will be accented with more traditional flowering plants such as English Lavender and Lantana, while the Contemporary Farmhouse will feature more grasses and rushes such as

Cape Rush and Atlas Fescue. Another example would be with the Spanish style, which would be highlighted with the Mediterranean selections of Mexican Sage and Dwarf Olive shrubs. These details will help to create character in the neighborhood and reinforce the varying architectural styles. A mixture of plant foliage colors and textures that will provide visual interest year-round

Throughout the project, the applicant selected plants that will need minimal pruning and maintenance. Pursuant to the guidelines, the plants are appropriately spaced so that they will grow to fill into the landscape at maturity. Additionally, the applicant proposes a plant palette that is comprised of California natives, and other low water use plants that thrive in a Mediterranean climate. The proposed plant palette complies with the City's Water Conservation Guidelines. Furthermore, front-yard landscaping would not be planted in a way that interferes with a clear line of site or access to emergency equipment, as outlined in the Residential Design Guidelines.

ENVIRONMENTAL

On May 28, 1996, the City Council certified the Future Urban Area #2 (East Lone Tree) Specific Plan Environmental Impact Report (EIR) and adopted a Statement of Overriding Considerations for the significant and unavoidable impact related to regional air quality. The Laurel Ranch residential project area is included in the geographic area of the EIR. Pursuant to the City procedures and the California Environmental Quality Act (CEQA), an Addendum to the Future Urban Area #2 (East Lone Tree) Specific Plan EIR was prepared for the Laurel Ranch residential project in 2016. The Addendum determined all environmental impacts could be mitigated to less-than-significant levels through project compliance with appropriate mitigation measures with the exception of the project's impact on air quality. The City Council adopted the Addendum and reaffirmed the Statement of Overriding Considerations on September 13, 2016. The proposed Design Review request is consistent with the project analyzed in the Addendum; therefore, no further environmental review is required.

ATTACHMENTS

- A. Design Review Resolution
Exhibit A: Conditions of Approval
- B. Project Plans
- C. Project Description

**PLANNING COMMISSION
RESOLUTION NO. 2022-XX**

**RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF ANTIOCH APPROVING
THE DESIGN REVIEW APPLICATION FOR THE RESIDENTIAL ARCHITECTURE, PARKS,
AND LANDSCAPING AT THE LAUREL RANCH SUBDIVISION**

WHEREAS, the City of Antioch did receive an application request for Design Review (AR-22-01) from KB Home for the residential project architecture, parks, and landscaping for the Laurel Ranch project located at 3941 Neroly Road (APN: 053-060-051);

WHEREAS, the City prepared an addendum to the Future Urban Area #2 (East Lone Tree) Specific Plan Environmental Impact Report (EIR) for the Laurel Ranch project, which was approved in 2016. The Future Urban Area #2 (East Lone Tree) Specific Plan EIR Statement of Overriding Considerations was reaffirmed by the Antioch City Council on September 13, 2016. The proposed project is consistent with the 2016 approvals; therefore, further environmental review is not required;

WHEREAS, the City Council adopted a Development Agreement for the project between the City of Antioch and Richland Planned Communities, Inc. on September 27, 2016;

WHEREAS, the adopted Development Agreement between the City of Antioch and Richland Planned Communities Inc. was recorded by the Contra Costa County Recorder's Office on February 7, 2017;

WHEREAS, the City Council approved a Rezone of the project site to Planned Development District (PD-15-03) on September 27, 2016;

WHEREAS, the City Council approved the Vesting Tentative Map/Final Development Plan consisting of 180 residential units, open space, neighborhood parks, and related improvements on September 13, 2016;

WHEREAS, the Planning Commission adopted the resolution approving a Use Permit and Design Review for the Laurel Ranch project landscaping, sound walls, minor revisions to the previously approved Stormwater Control Plan, and associated project improvements for the Laurel Ranch residential project on December 15, 2021;

WHEREAS, the Parks and Recreation Commission recommended approval of the "Laurel Ranch Parks" Conceptual Landscape Plans to the Planning Commission with minor modifications including the addition of split rail fencing, and the addition of fountains near the play structure and picnic benches Planning Commission on February 17, 2022;

WHEREAS, on April 6, 2022, the Planning Commission duly held a public hearing on the matter, and received and considered evidence, both oral and documentary and documentary; and

WHEREAS, the Planning Commission considered all public comments received, the presentation by City staff, the staff report, and all other pertinent documents regarding the proposed request.

NOW, THEREFORE, BE IT RESOLVED that the Planning Commission of the City of Antioch does hereby APPROVE the design review application (AR-22-01) from KB Home for the project architecture, parks, and landscaping for the Laurel Ranch residential project located at 3941 Neroly Road (APN: 053-060-051) subject to Exhibit A Conditions of Approval.

* * * * *

I HEREBY CERTIFY the foregoing resolution was duly adopted by the Planning Commission of the City of Antioch at a regular meeting thereof held on the 6th day of April 2022.

AYES:

NOES:

ABSTAIN:

ABSENT:

Forrest Ebbs
Secretary to the Planning Commission

EXHIBIT A: CONDITIONS OF APPROVAL

		<u>Regulation Source</u>	<u>Timing/ Implementation</u>	<u>Enforcement/ Monitoring</u>	<u>Verification</u> (date and Signature)
	General Conditions				
1.	Project Approval. This Design Review approval is for 3941 Neroly Road APN: 053-060-051, as substantially shown and described on the project plans, except as required to be modified by conditions herein or in the Development Agreement. Plans date received March 16, 2022, and Plotting Plan sheet date received January 25, 2022, as presented to the Planning Commission on April 06, 2022 ("Approval Date."). For any condition herein that requires preparation of a Final Plan where the project applicant has submitted a conceptual plan, the project applicant shall submit final plan(s) in substantial conformance with the conceptual plan, but incorporate the modifications required by the conditions herein for approval by the City.	City of Antioch	On-Going	Planning Department	
2.	Project Approval Expiration. This Design Review approval expires on April 6, 2024 (two years from the date on which this approval becomes effective) or at an alternate time specified as a condition of approval, unless a building permit has been issued and construction diligently pursued. The approval may be renewed by the Zoning Administrator for a period up to an additional one (1) year, provided that, at least ten (10) days before expiration an application for renewal of the approval is filed with the Community Development Department. The Zoning Administrator may grant a renewal of an approval where there is no change in the original application, or there is no request to change any condition of approval. No more than two (2) one (1) year extensions may be granted.	City of Antioch	On-Going	Planning Department	

EXHIBIT A: CONDITIONS OF APPROVAL

		Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
3.	<p>City Fees. The applicant shall pay any and all City and other related fees applicable to the property, as may be modified by conditions herein. Fees shall be based on the current fee structure in effect at the time the relevant permits are secured and shall be paid before issuance of said permit or before any City Council final action approval. Notice shall be taken specifically of Plan Check, Engineering, Fire and Inspection Fees. The project applicant shall also reimburse the City for direct costs of planning; building and engineering plan check and inspection, as mutually agreed between the City and applicant.</p> <p><i>Discretionary or ministerial permits/approvals will not be considered if the developer is not current on fees, balances, and reimbursement that are outstanding and owed to the City.</i></p>	City of Antioch	On-Going	Community Development Department	
4.	<p>Pass-Through Fees. The developer shall pay all pass-through fees. Fees include but are not limited to:</p> <p>East Contra Costa Regional Fee and Financing Authority (ECCRFFA) Fee in effect at the time of building permit issuance.</p> <p>Contra Costa County Fire Protection District Fire Development Fee in place at the time of building permit issuance.</p> <p>Contra Costa County Map Maintenance Fee in affect at the time of recordation of the final map(s).</p> <p>Contra Costa County Flood Control District Drainage Area fee.</p> <p>School Impact Fees.</p> <p>Delta Diablo Sanitation Sewer Fees.</p> <p>Contra Costa Water District Fees.</p>	City of Antioch	On-Going	Community Development Department	

EXHIBIT A: CONDITIONS OF APPROVAL

		Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
5.	Appeals. Pursuant to Section 9-5.2509 of the Antioch Municipal Code, any decision made by the Planning Commission which would otherwise constitute final approval or denial may be appealed to the City Council. Such appeal shall be in writing and shall be filed with the City Clerk within five (5) working days after the decision. All appeals to the City Council from the Planning Commission shall be accompanied by a filing fee established by a resolution of the City Clerk.	City of Antioch	Within 5 Days of Planning Commission Action	Planning Department	
6.	Requirement for Building Permit. Approval granted by the Planning Commission does not constitute a building permit or authorization to begin any construction or demolish an existing structure. An appropriate permit issued by the Community Development Department must be obtained before constructing, enlarging, moving, converting, or demolishing any building or structure within the City.	City of Antioch	On-Going	Building Department	
7.	Modifications to Approved Plans. The project shall be constructed as approved and with any additional changes required pursuant to the Zoning Administrator or Planning Commission Conditions of Approval. Planning staff may approve minor modifications in the project design, but not the permitted land uses. A change requiring discretionary approval and any other changes deemed appropriate by the Planning staff shall require further Planning Commission approval through the discretionary review process.	City of Antioch	On-Going	Planning Department	

EXHIBIT A: CONDITIONS OF APPROVAL

		Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
8.	Acquisition of Easements and Right of Way. All required easements or rights-of-way shall be obtained by the applicant at no cost to the City of Antioch. Advance permission shall be obtained from any property or easement holders for any work done within such property or easements.	City of Antioch	On-Going	Planning Department	
9.	Signs. No signs shall be installed on this site without prior City approval.	City of Antioch	On-Going	Planning Department	

EXHIBIT A: CONDITIONS OF APPROVAL

		<u>Regulation Source</u>	<u>Timing/ Implementation</u>	<u>Enforcement/ Monitoring</u>	<u>Verification</u> (date and Signature)
	Project Specific Conditions				
1.	Development Agreement Compliance. This development shall comply with all the obligations and requirements included in the adopted Development Agreement between the City of Antioch and Richland, which was recorded by the Contra Costa County Recorder's Office on February 7, 2017.	City of Antioch	On-Going	Planning Department	
2.	Previous Approval Compliance. This development shall comply with all previous project conditions of approval and mitigation measures adopted for the Laurel Ranch Project, including those found in the following adopted City Council resolutions: <ul style="list-style-type: none">• Resolution adopting an addendum to the FUA#2 (East Lone Tree) Specific Plan Environmental Impact Report and reaffirming the statement of overriding considerations (Resolution 2016/94);• Ordinance rezoning the property to Planned Development District (PD-15-03) (Ordinance 2116-C-S); and• Resolution approving a Vesting Tentative Map/Final Development Plan for the Laurel Ranch Project (Resolution 2016/95).	City of Antioch	On-Going	Planning Department	

EXHIBIT A: CONDITIONS OF APPROVAL

		Regulation Source	Timing/ Implementation	Enforcement/ Monitoring	Verification (date and Signature)
3.	Final Landscaping Plans. The applicant shall submit final landscape plans that identify specific plant materials to be used, including all shrubs and groundcover, providing both common and botanical names, sizes and quantities when submitting for building permits.	City of Antioch	On-Going	Planning Department	
4.	Landscaping Compliance. Landscaping for the project shall be designed to comply with the City of Antioch Water Efficient Landscape Ordinance (WELO). Prior to issuance of a building permit, the developer shall demonstrate compliance with the applicable requirements of the WELO in the landscape and irrigation plans submitted to the City.	City of Antioch	On-Going	Planning Department	
5.	Wrapping Materials. The applicant shall wrap stone and belly bands to fence line.	City of Antioch	On-Going	Planning Department	
6.	Enhanced Elevations. Enhanced elevations shall include a belly band.	City of Antioch	On-Going	Planning Department	
7.	Trash Receptacle Location. The applicant shall work with staff and the Community Development Director to finalize pickup location of trash receptacle for Cluster homes.	City of Antioch	On-Going	Planning Department	

LAUREL RANCH TRADITIONAL (SFD)

AND CLUSTER

(Single Family Detached Product)

FOR

KB HOME NORTH BAY, INC.

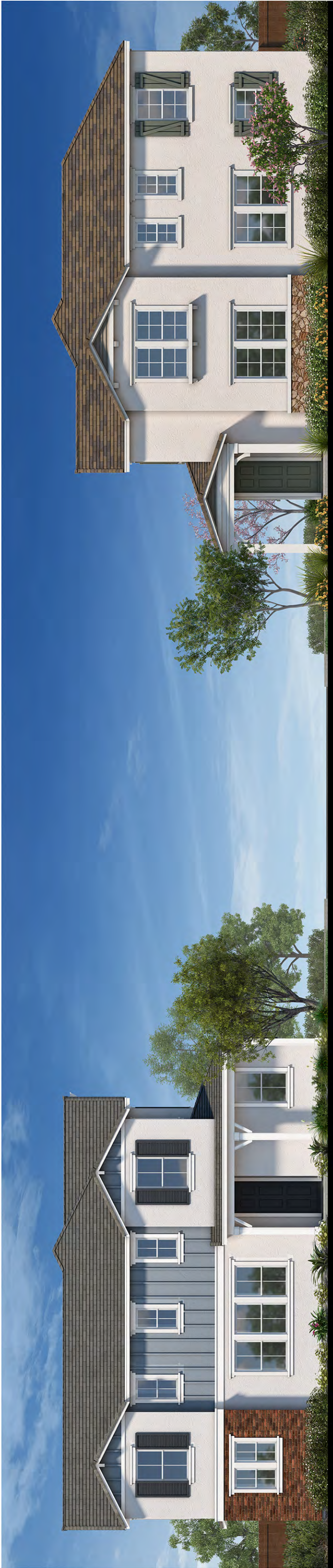
4830 BUSINESS CENTER DRIVE SUITE 150
FAIRFIELD, CALIFORNIA 94534
(707) 389-7500

ARCHITECTURE

KB HOME, INC.
5230 PACIFIC CONCOURSE DRIVE. STE. 330
LOS ANGELES, CA 90045
(424) 294-3700

LANDSCAPE

RIPLEY DESIGN GROUP
1615 BONANZA STREET, SUITE 314
WALNUT CREEK, CA 94596
(925) 938-7377



2026 “A”
AMERICANA



1900 “B”
COUNTRY EUROPEAN



1675 “C”
WEST COAST CLASIC



1675 “A”
AMERICANA



1900 “B”
COUNTRY EUROPEAN

ELEVATION LEGEND

- 1

CONCRETE FLAT TILE ROOFING(SHAKE)
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE



Elevation 'A' (Americana)



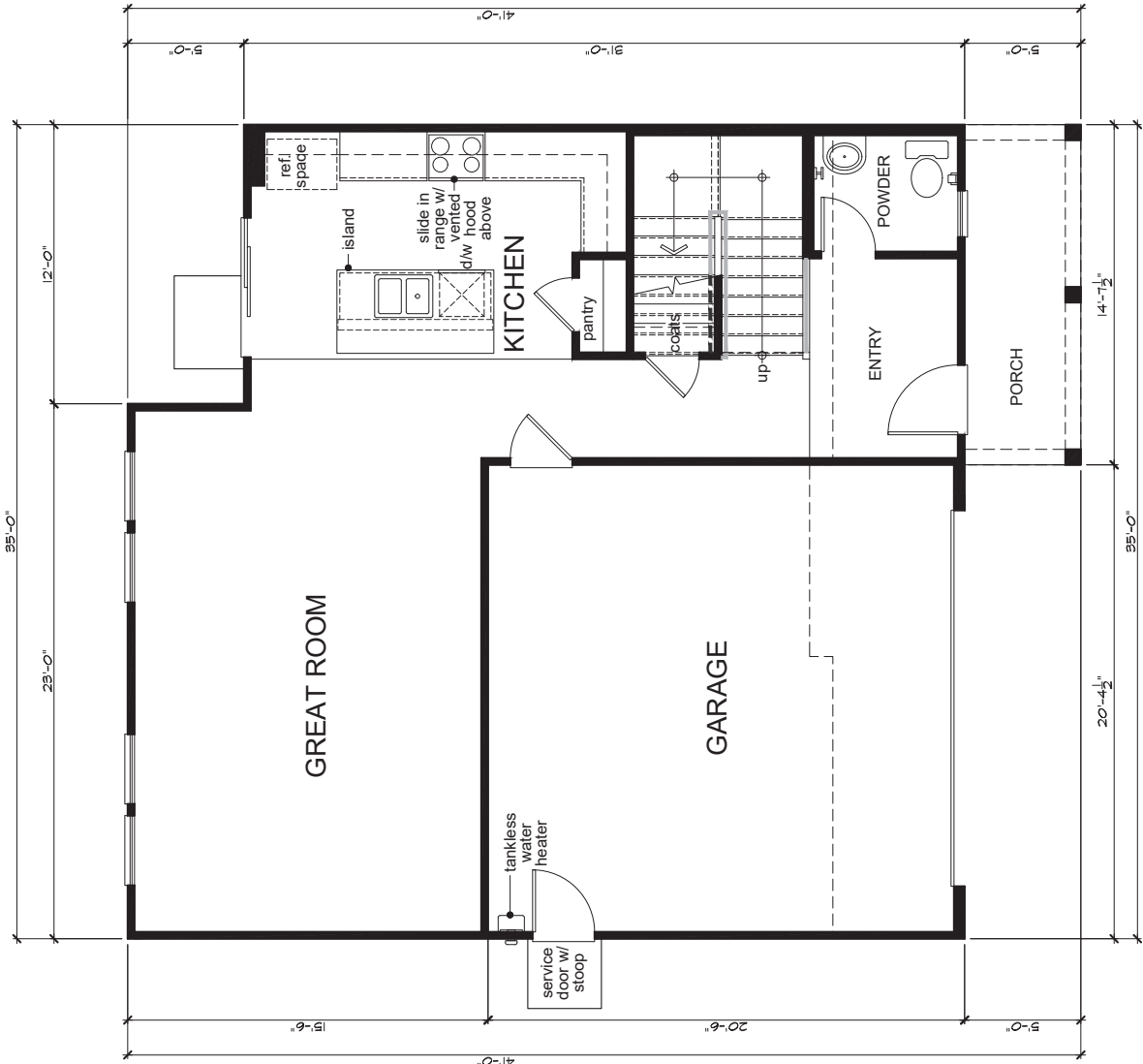
Elevation 'B' (Country European)



Elevation 'C' (West Coast Classic)

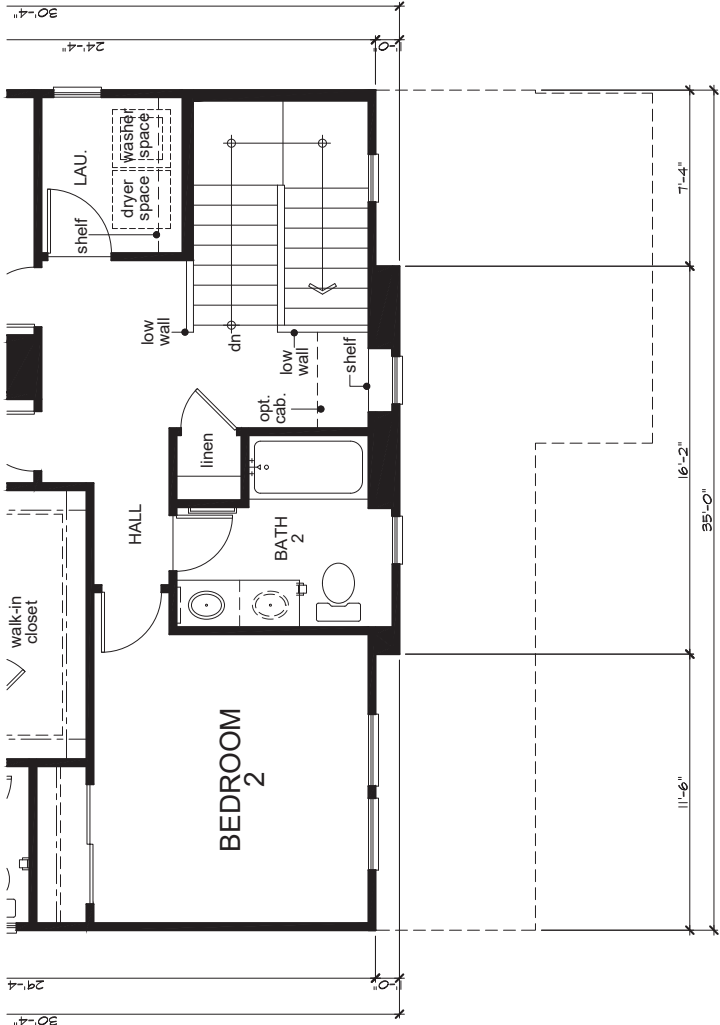


Second Floor Plan 'A'

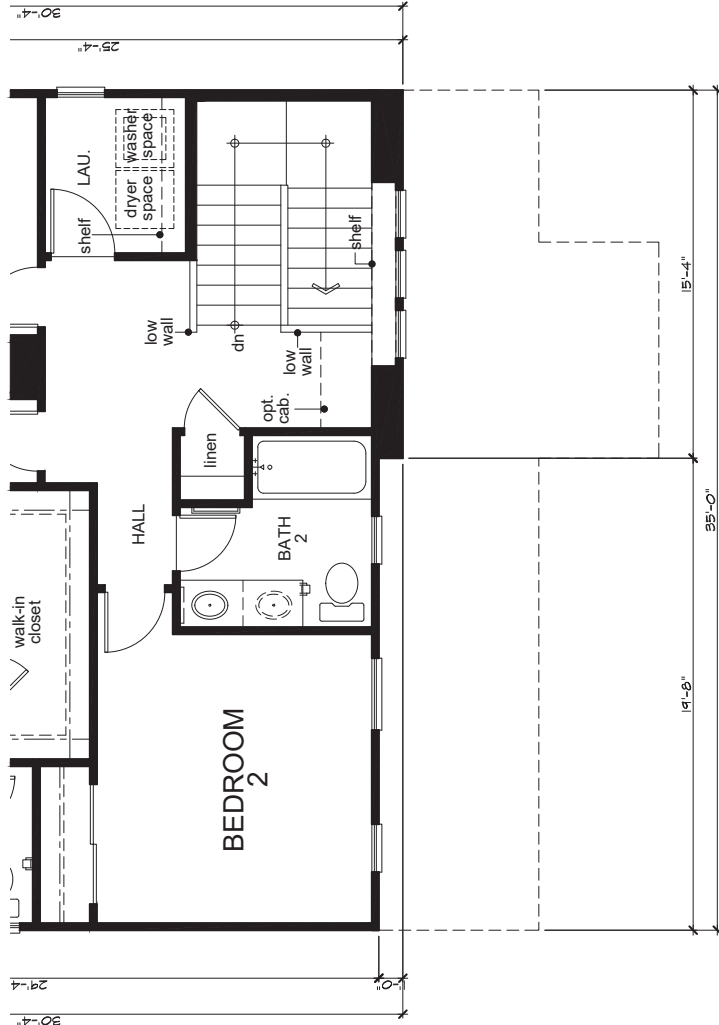


First Floor Plan 'A'

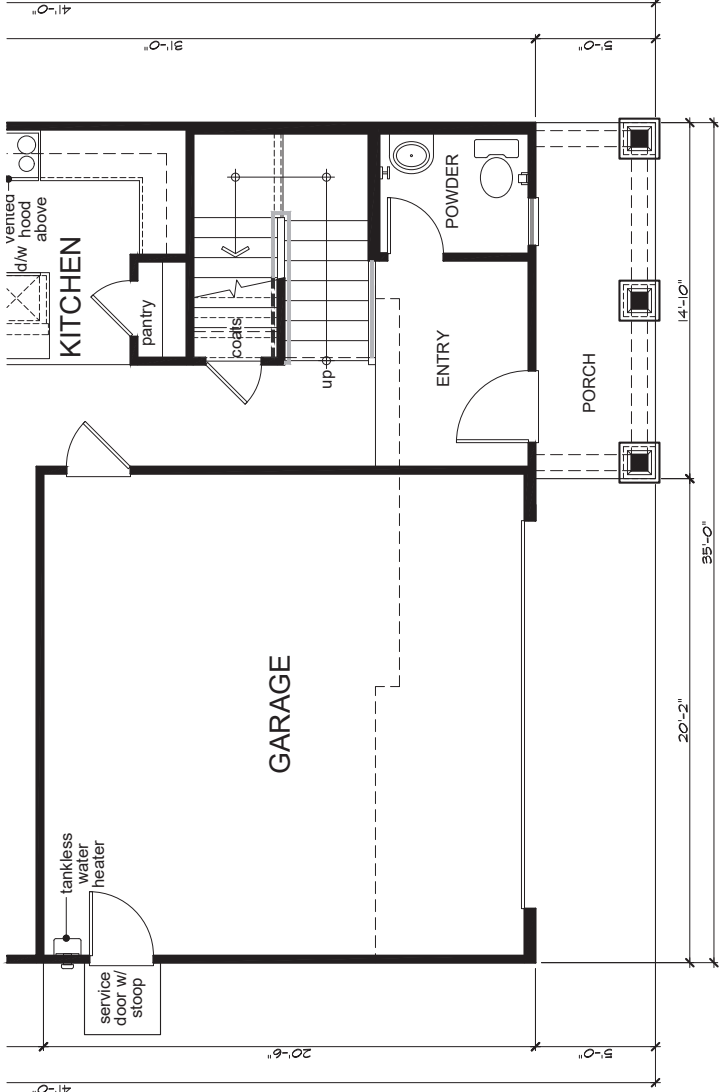
SQUARE FOOTAGE			
PLAN 235.1675			
	A'	B'	C'
FIRST FLOOR AREA	182	182	50 FT.
SECOND FLOOR AREA	405	848	50 FT.
TOTAL AREA	1687	1675	1680 SQ. FT.
GARAGE AREA	418	418	50 FT.
PORCH AREA	18	45	14
OPTIONS:			
COVERED PATIO	12	12	50 FT.



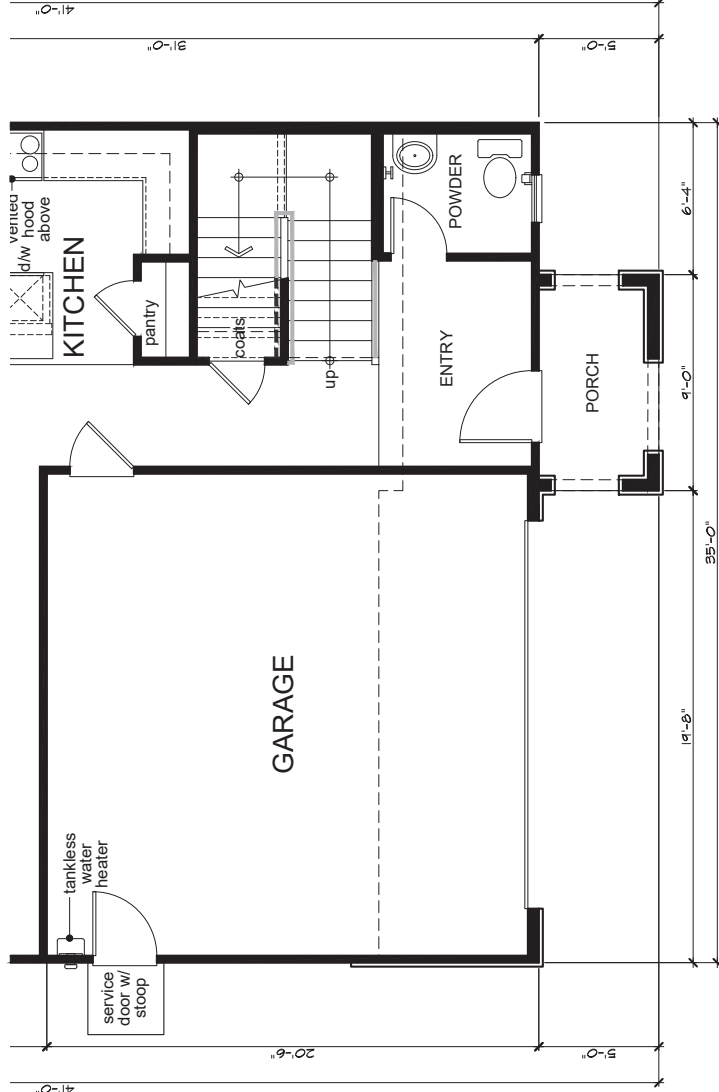
Second Floor Plan 'C'



Second Floor Plan 'B'



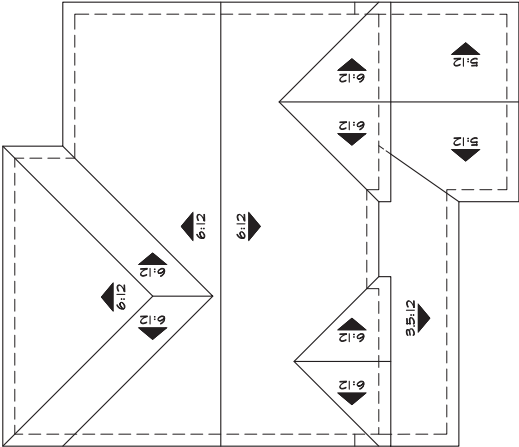
First Floor Plan 'C'



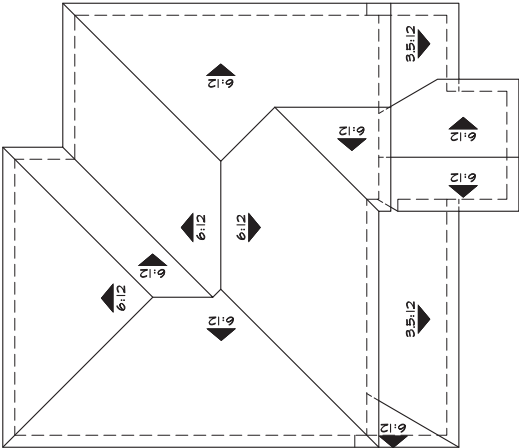
First Floor Plan 'B'

Roof Plans

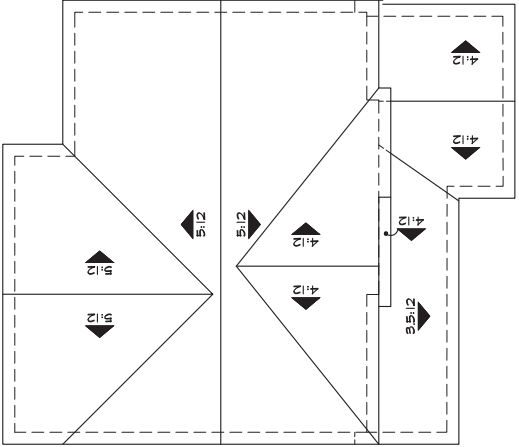
'A'



'B'



'C'





Left Elevation 'A'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'



Front Elevation 'A' - Americana



Rear Elevation 'A'

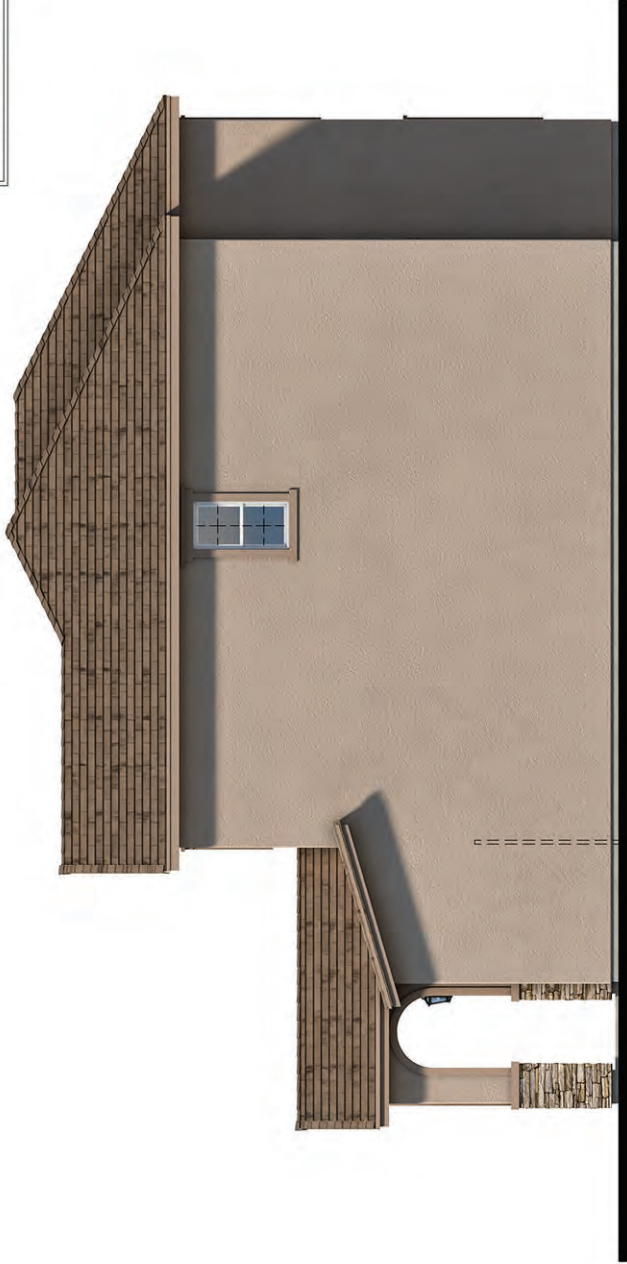


Left Elevation 'B'



Front Elevation 'B' - Country European

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENTIRE ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'B'



Rear Elevation 'B'





Front Elevation 'C' - West Coast Classic



Rear Elevation 'C'

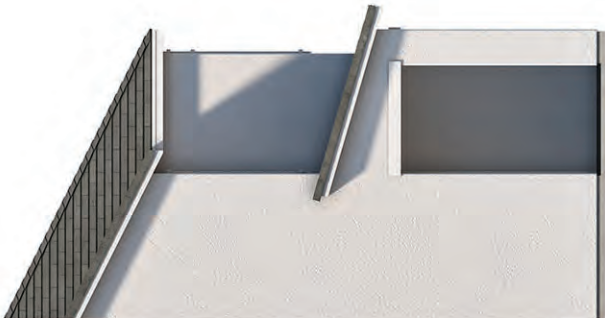


Left Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ELEVATIONS SHOWN ARE
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'C'



Partial Right Elevation 'A'



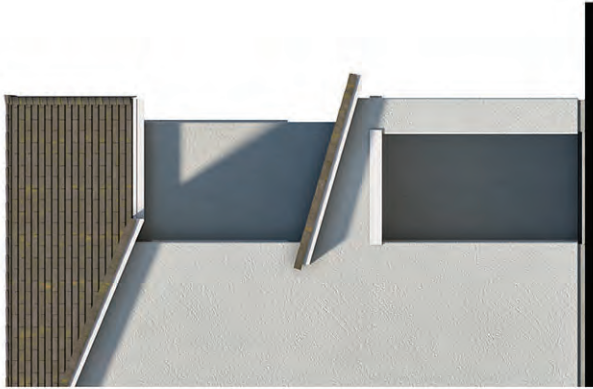
Rear Elevation 'A'

Elevations
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Left Elevation 'A'



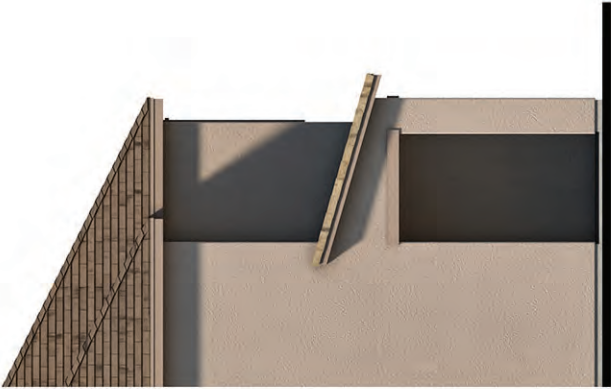
Partial Right Elevation 'A'



Rear Elevation 'C'



Partial Left Elevation



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS

ELEVATION LEGEND

- 1

CONCRETE FLAT TILE ROOFING(SHAKE)
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE

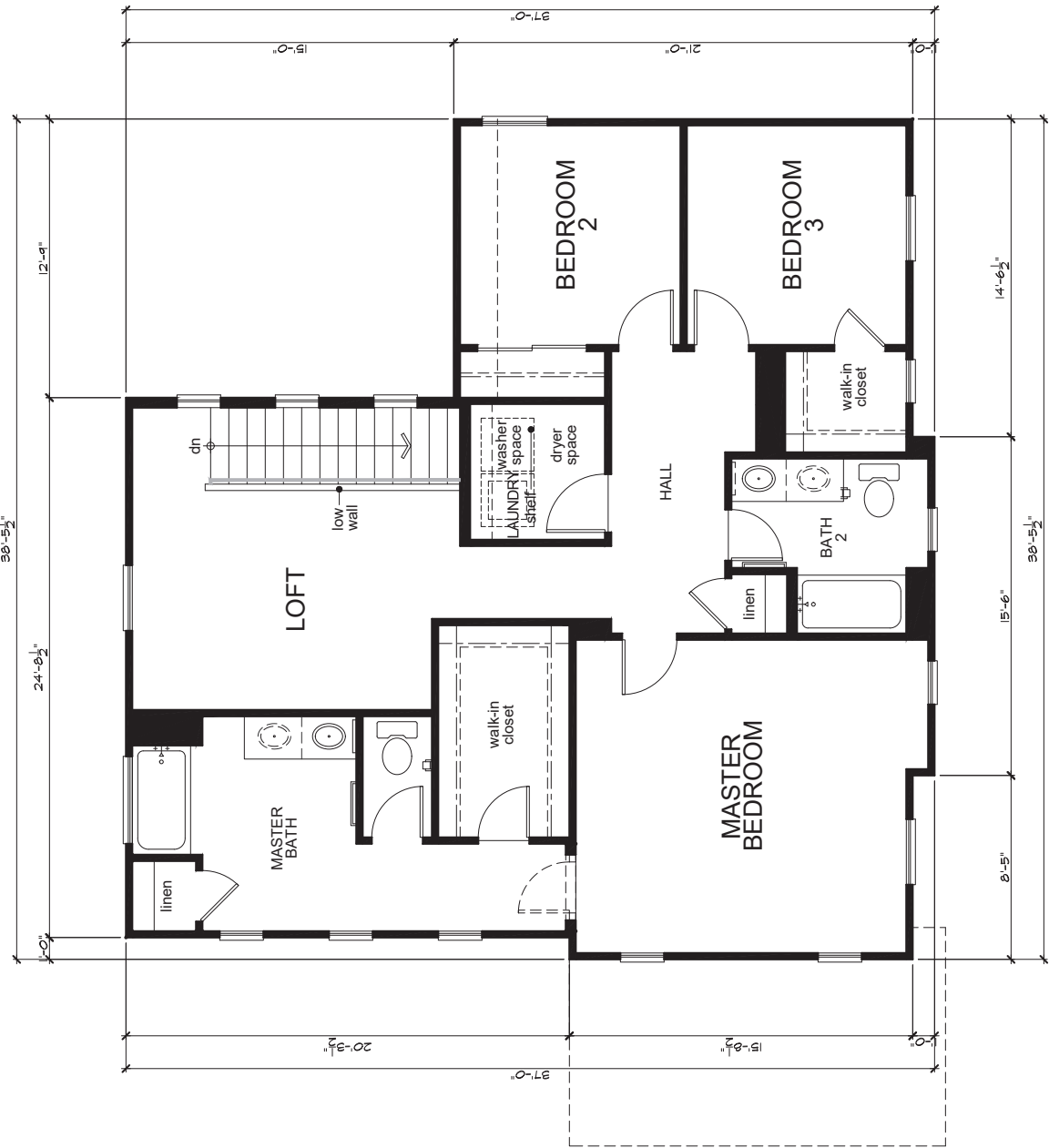
Elevation 'A' (Americana)



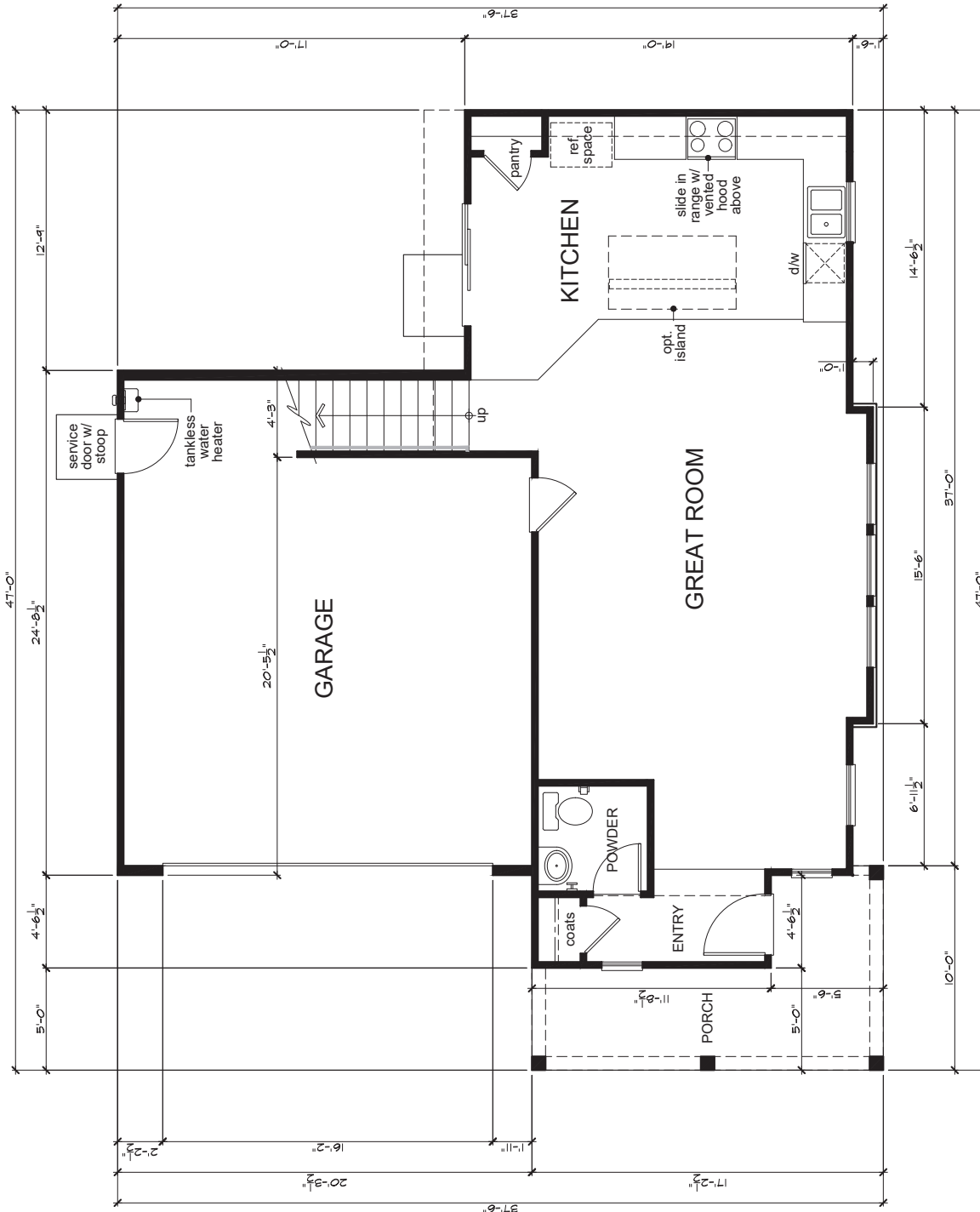
Elevation 'B' (Country European)



Elevation 'C' (West Coast Classic)



Second Floor Plan 'A'

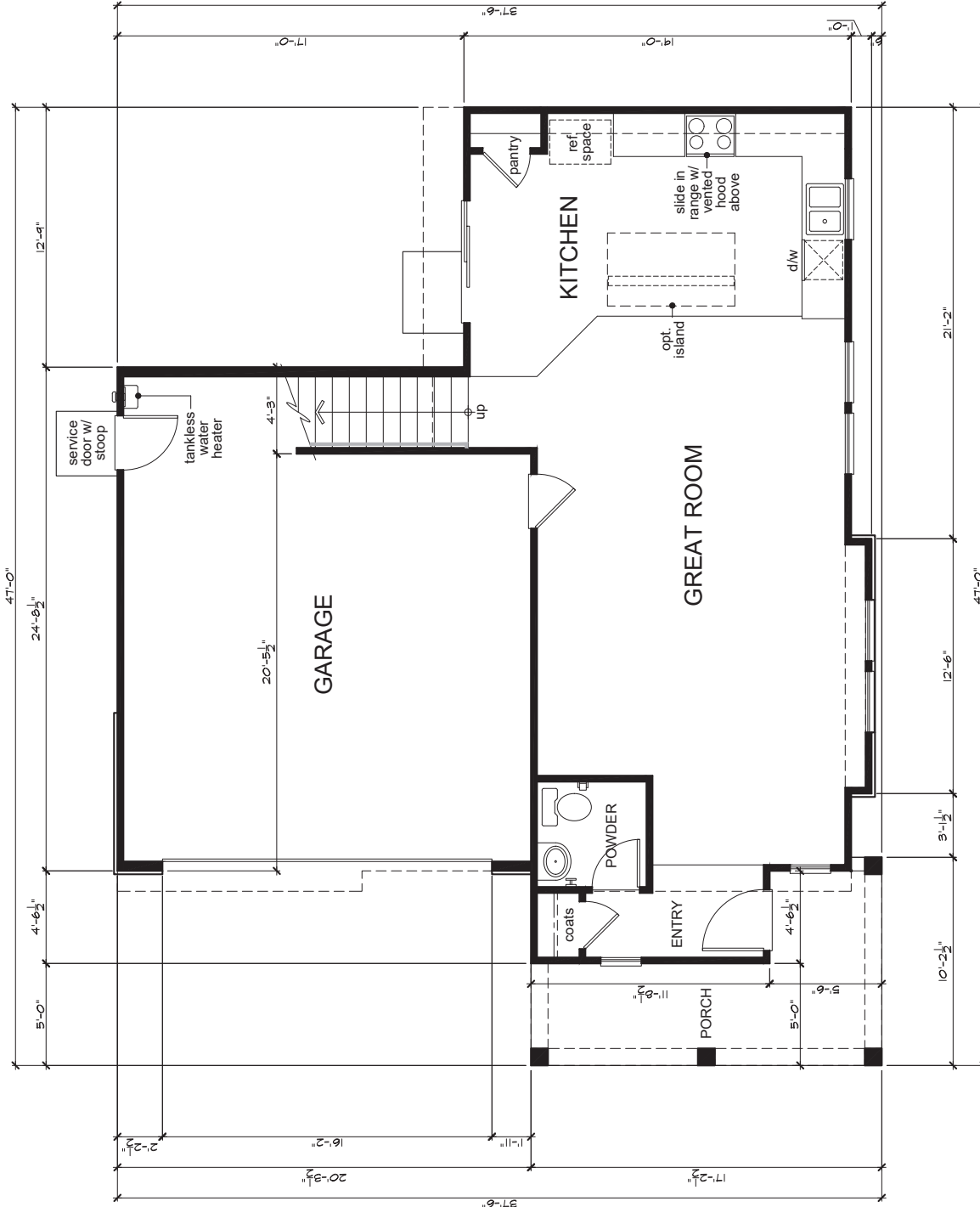


First Floor Plan 'A'

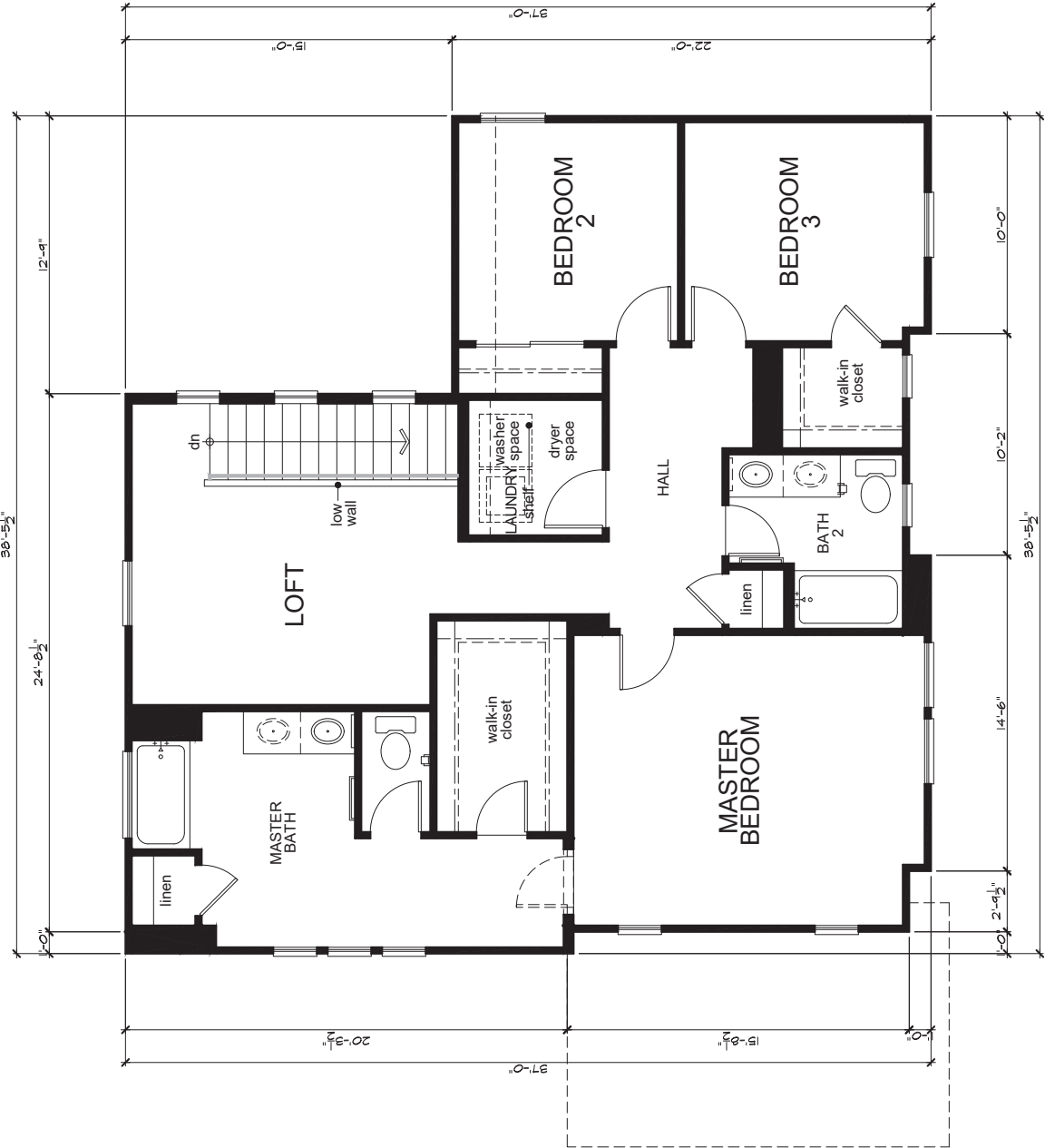
SQUARE FOOTAGE			
PLAN 2361900			
	A'	B'	C'
FIRST FLOOR AREA	164	166	154
SECOND FLOOR AREA	1143	1145	1144
TOTAL AREA	1307	1311	1298
GARAGE AREA	431	431	431
PORCH AREA	112	112	122
OPTIONS:			
COVERED PATIO	128	128	128
EXT. COVERED PATIO	217	217	217



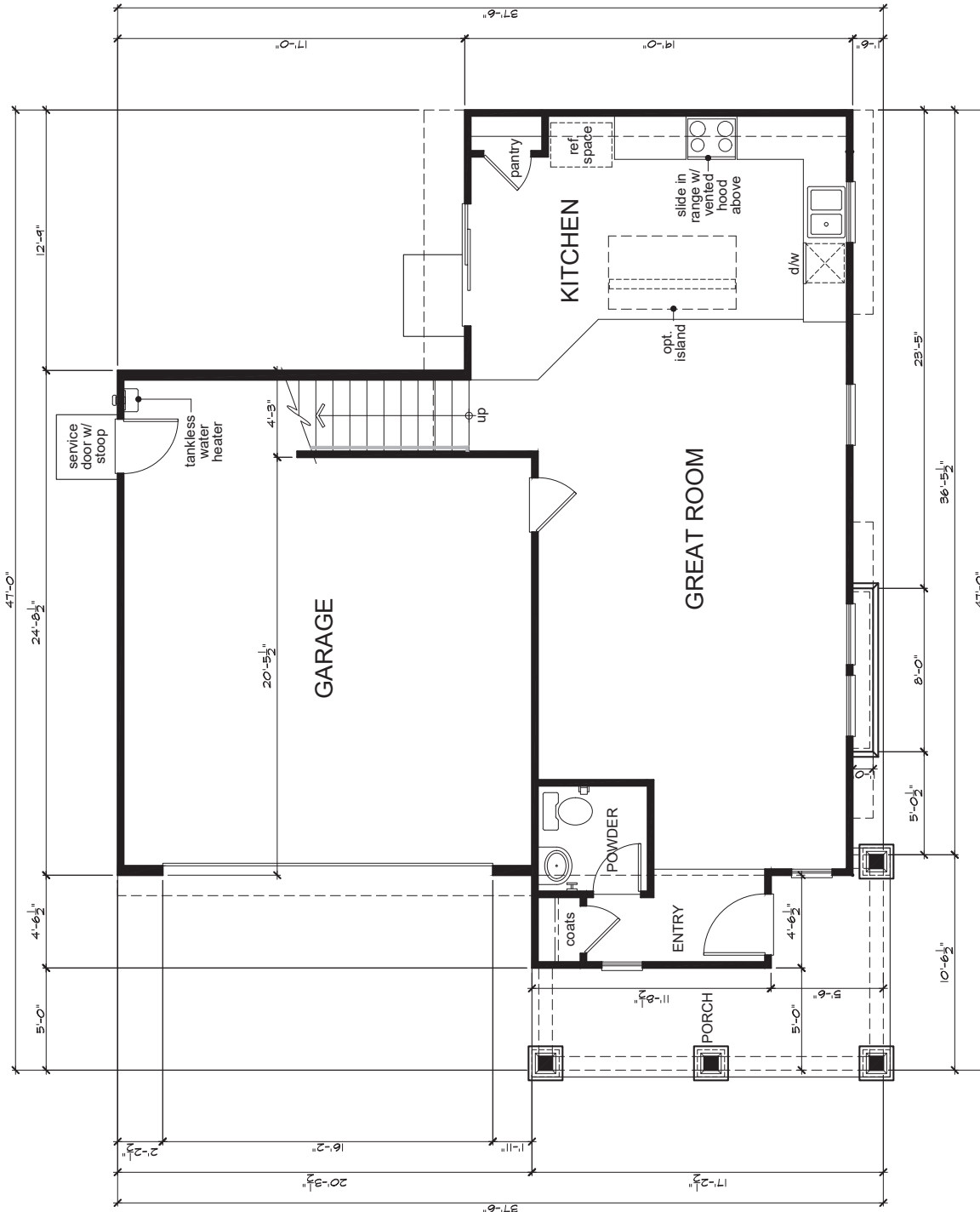
Second Floor Plan 'B'



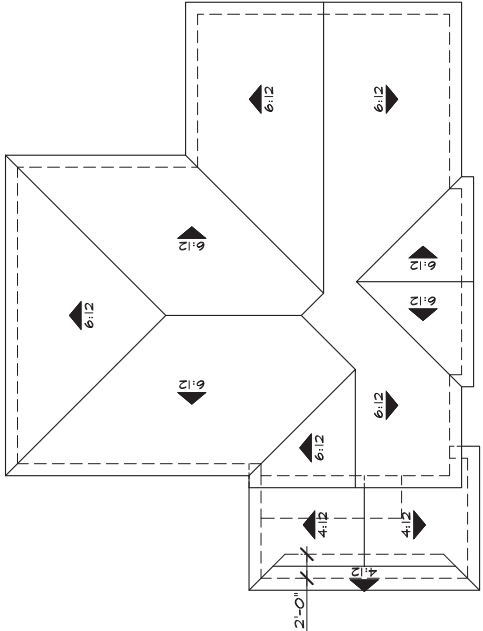
First Floor Plan 'B'



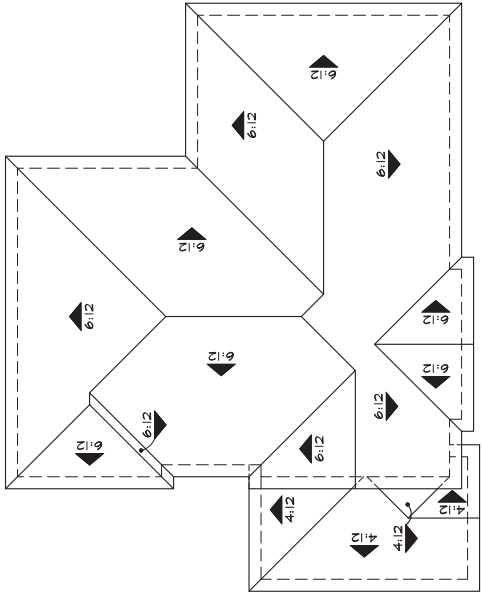
Second Floor Plan 'C'



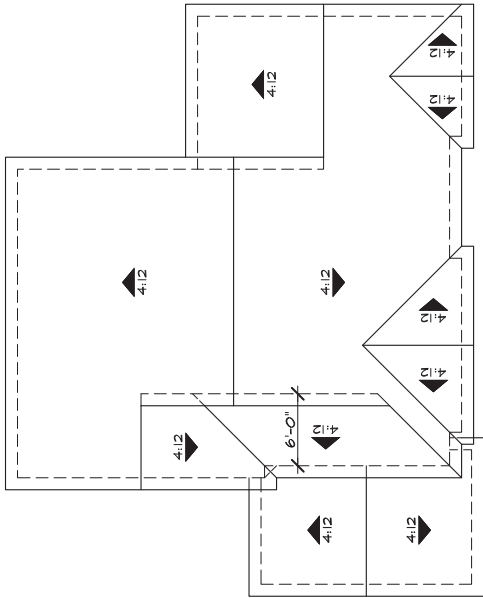
First Floor Plan 'C'



'A'

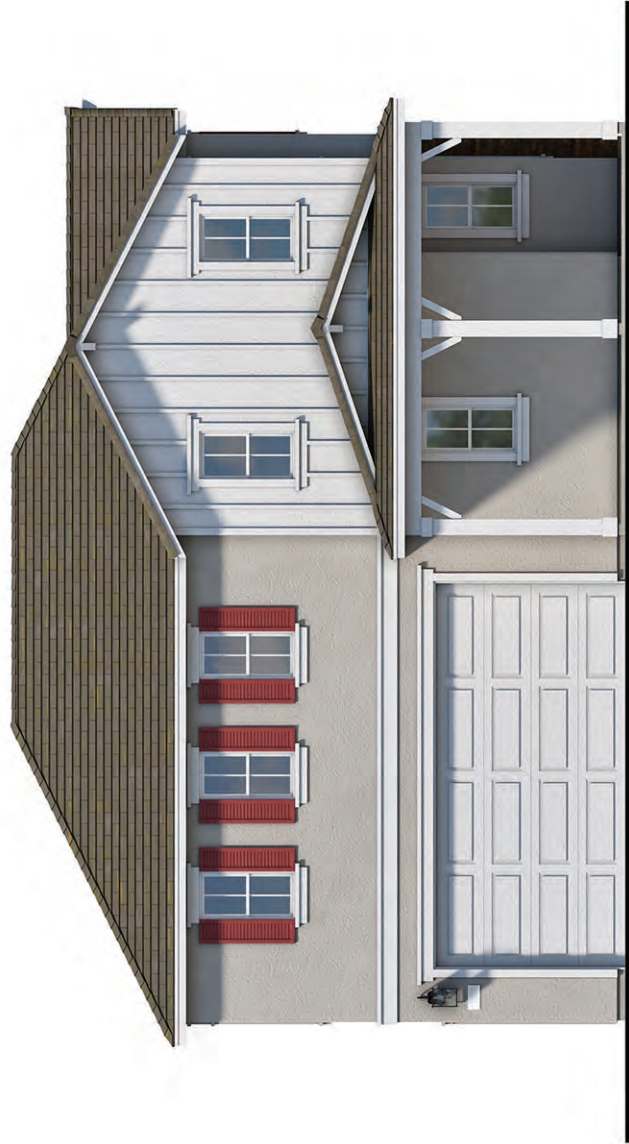


'B'



'C'

Roof Plans



Left Elevation 'A'

Front Elevation 'A' - Americana

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'



Rear Elevation 'A'

B108



Left Elevation 'B'

Front Elevation 'B' - Country European

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'B'



Rear Elevation 'B'



Left Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS

Front Elevation 'C' - West Coast Classic



Right Elevation 'C'



Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'



Rear Elevation 'A'

Elevations
at Covered Patio



Partial Right Elevation 'C'



Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'



Rear Elevation 'A'

Elevations
at Extended Covered Patio



Partial Right Elevation 'C'



Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Extended Covered Patio

ELEVATION LEGEND

- 1

CONCRETE FLAT TILE ROOFING(SHAKE)
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

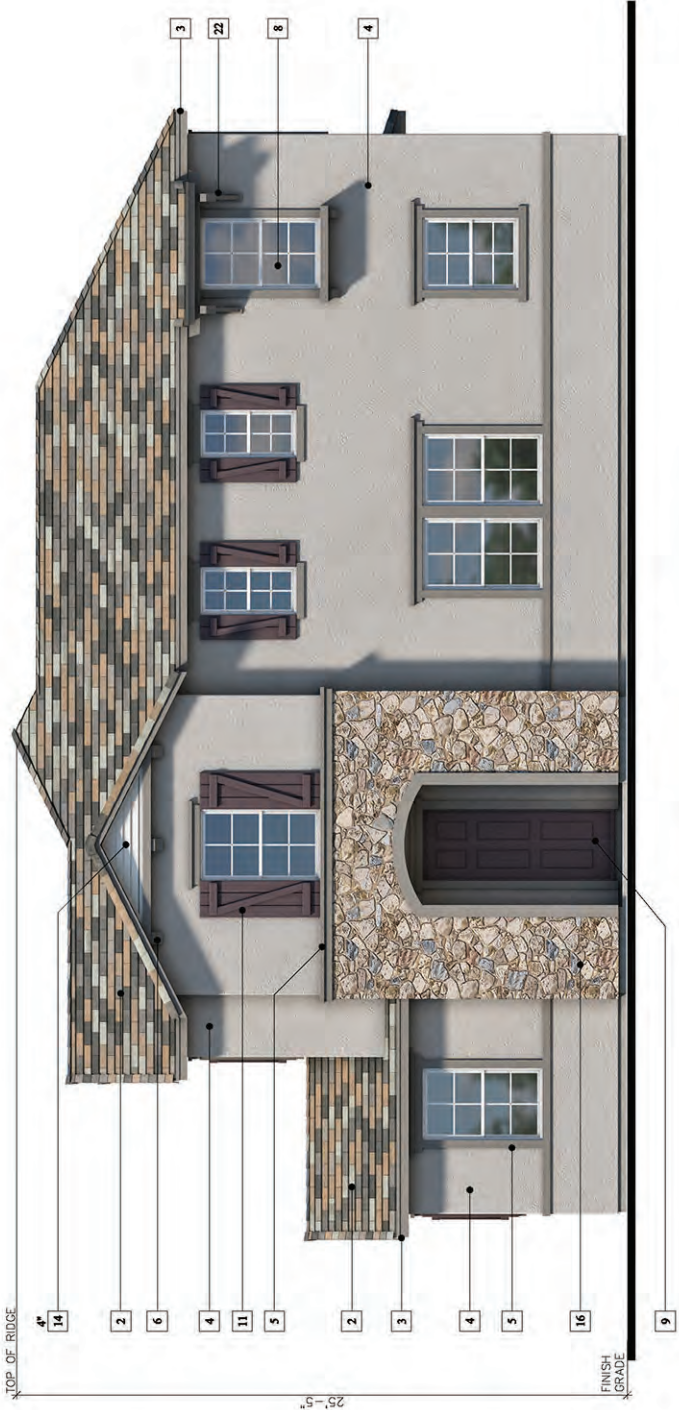
WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE



Elevation 'A' (Americana)



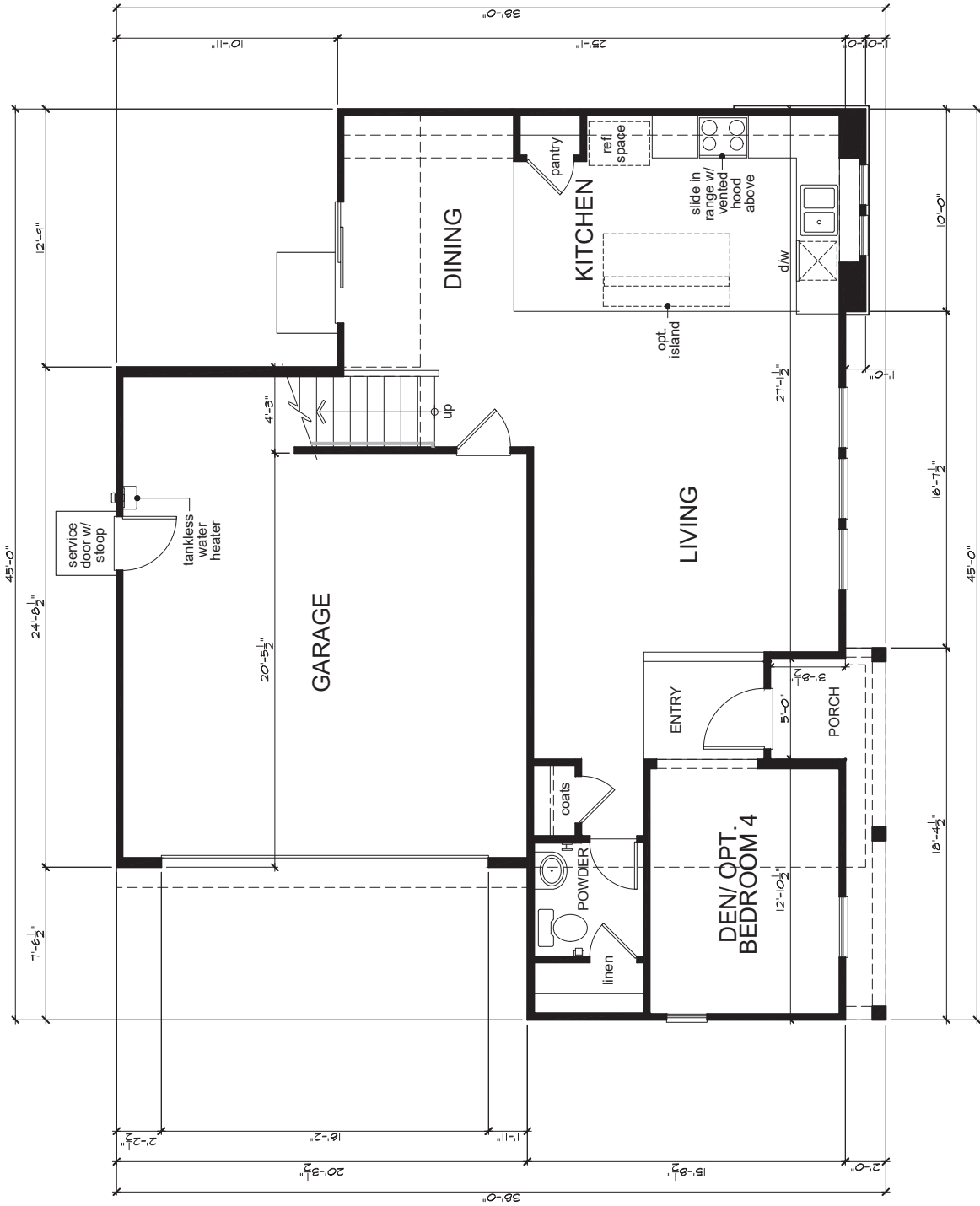
Elevation 'B' (Country European)



Elevation 'C' (West Coast Classic)

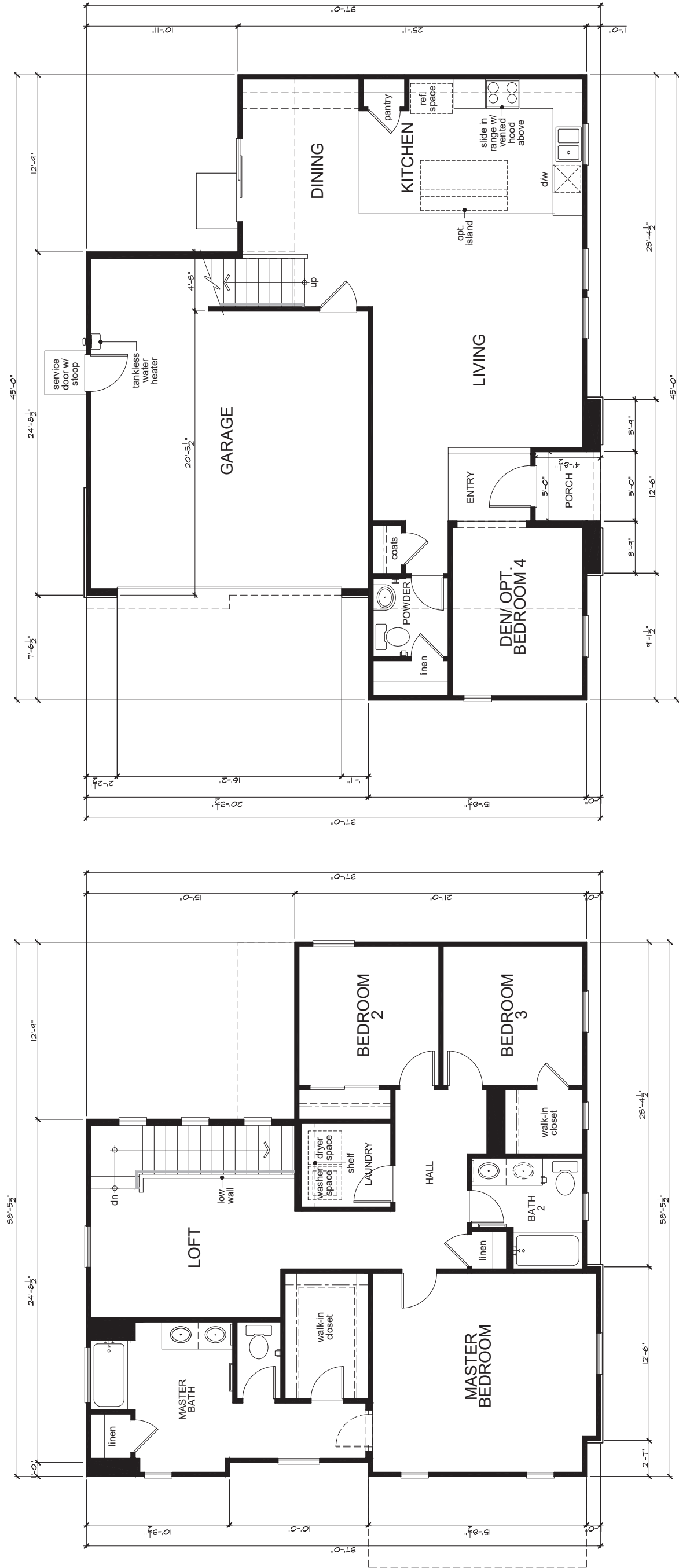


Second Floor Plan 'A'



First Floor Plan 'A'

SQUARE FOOTAGE			
PLAN 2362026			
	'A'	'B'	'C'
FIRST FLOOR AREA	847	847	847
SECOND FLOOR AREA	1181	1124	1137
TOTAL AREA	2028	2026	2034
GARAGE AREA	412	412	412
PORCH AREA	55	24	94
OPTIONS:			
COVERED PATIO	134	134	134

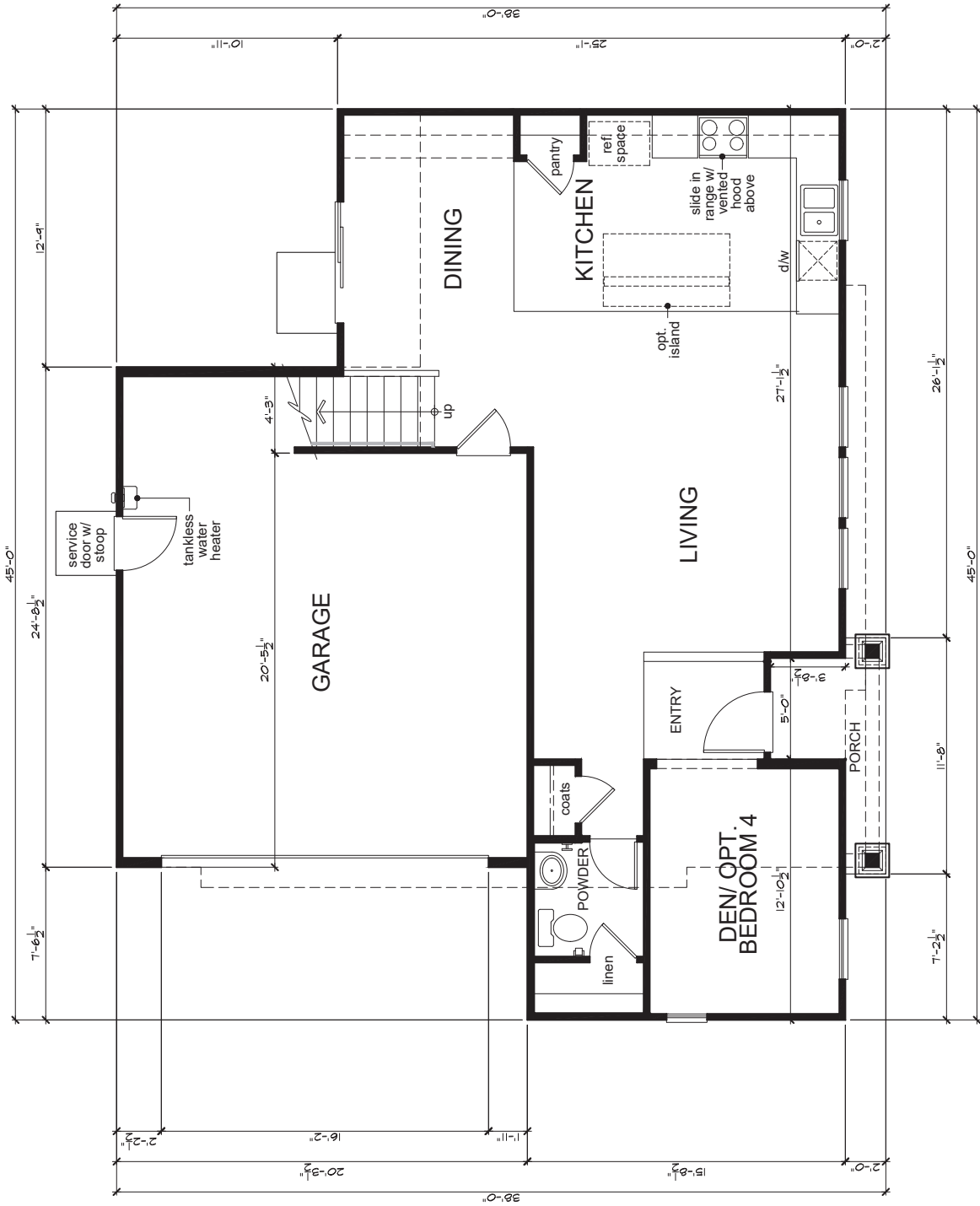


Second Floor Plan 'B'

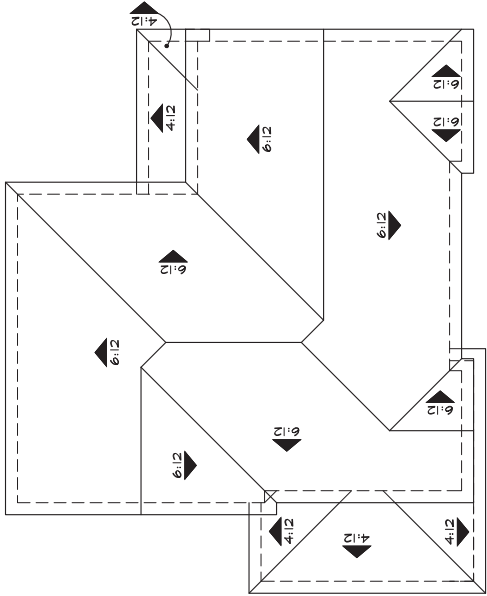
First Floor Plan 'B'



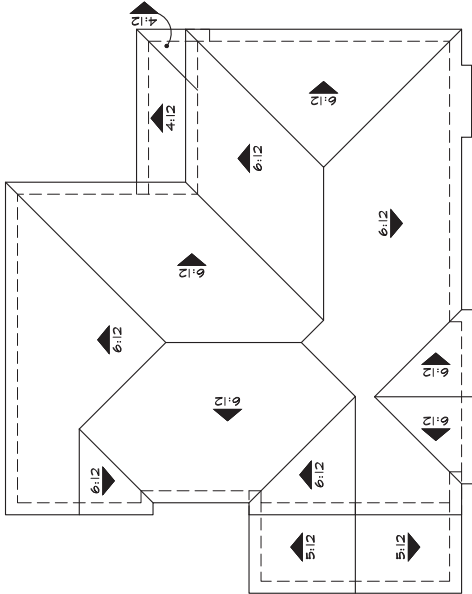
Second Floor Plan 'C'



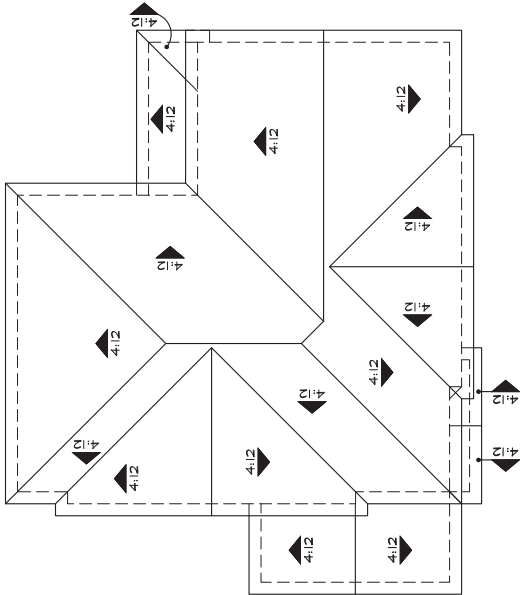
First Floor Plan 'C'



'A'



'B'



'C'

Roof Plans



Left Elevation 'A'



Front Elevation 'A' - Americana

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'



Rear Elevation 'A'

B32



Left Elevation 'B'



Front Elevation 'B' - Country European

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'B'



Rear Elevation 'B'

B33



Left Elevation 'C'



Front Elevation 'C' - West Coast Classic

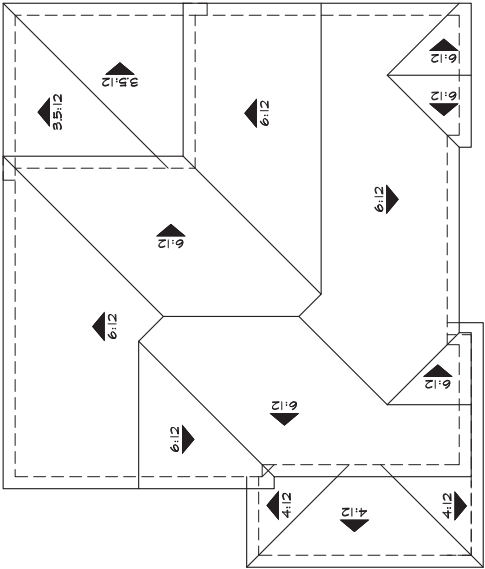
NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



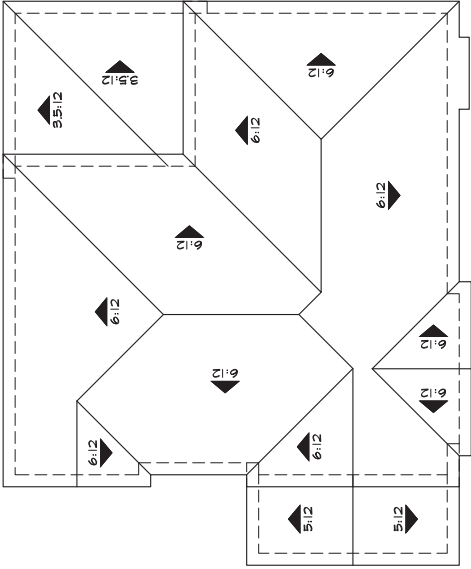
Right Elevation 'C'



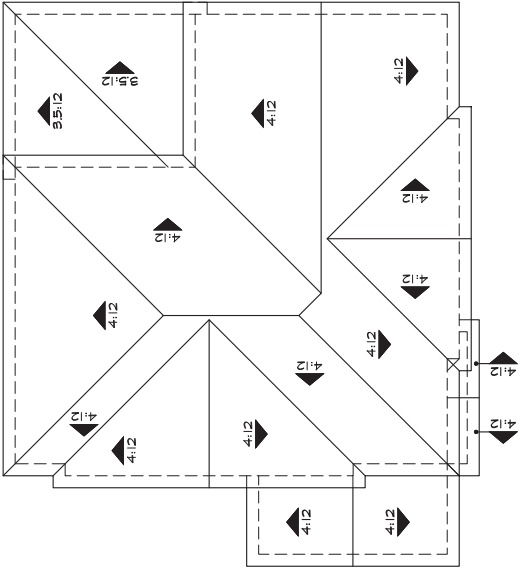
Rear Elevation 'C'



'A'

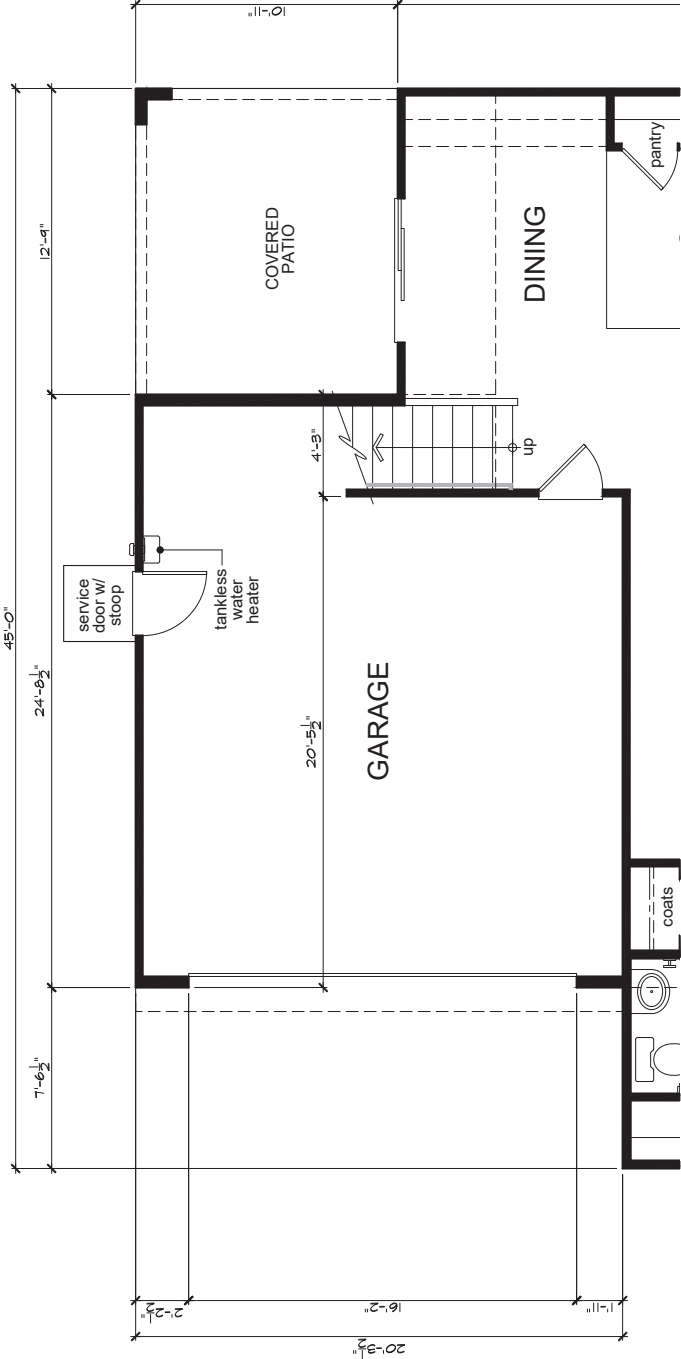


'B'



'C'

Roof Plans
at Covered Patio



Partial Floor Plan
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'

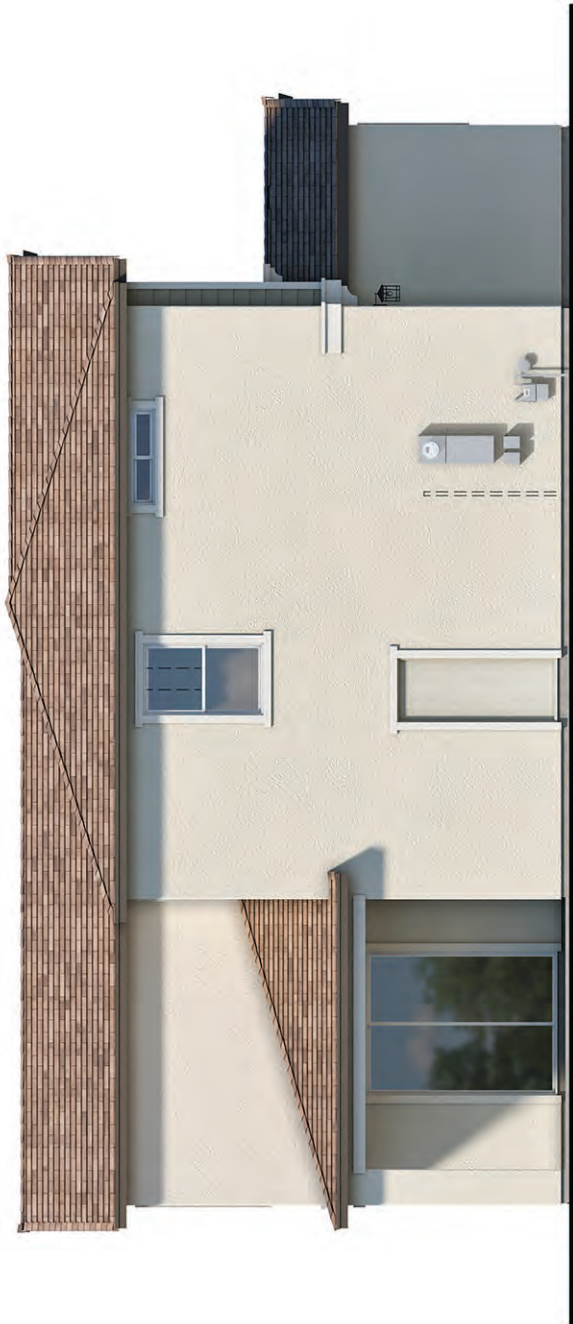


Rear Elevation 'A'

Elevations
at Covered Patio



Partial Right Elevation 'C'



Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Covered Patio

ELEVATION LEGEND

- 1

CONCRETE FLAT TILE ROOFING(SHAKE)
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE



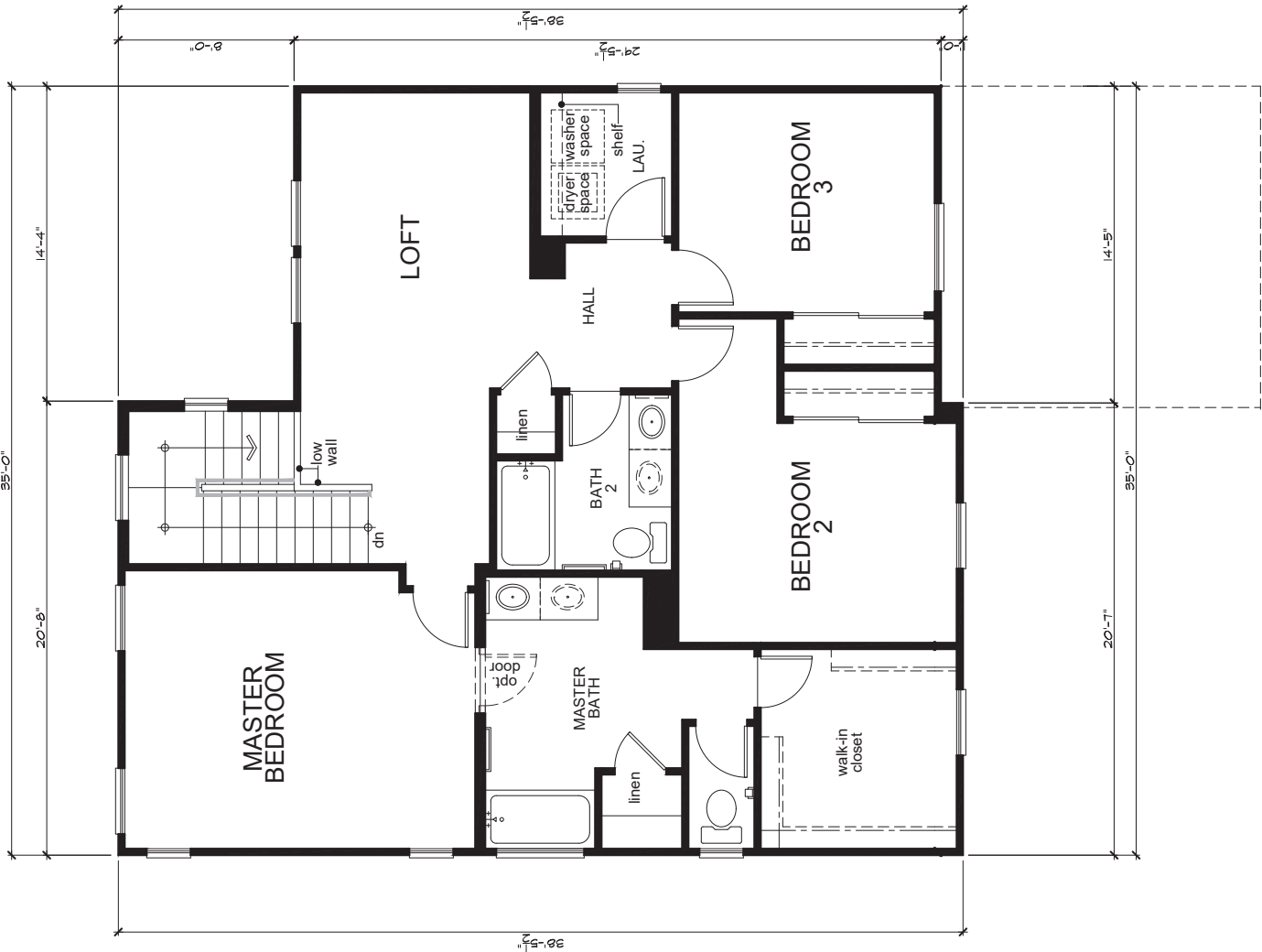
Elevation 'A' (Americana)



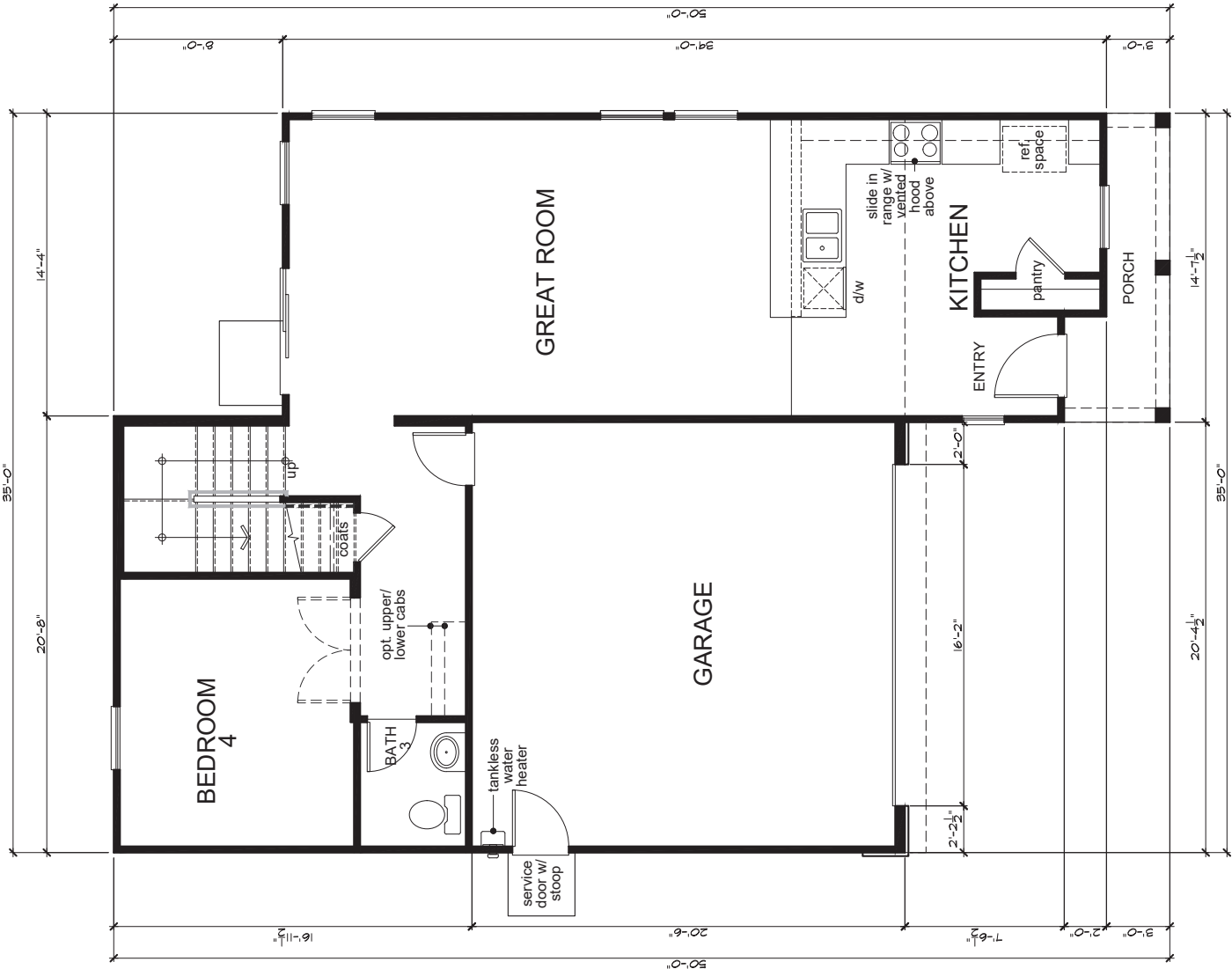
Elevation 'B' (Country European)



Elevation 'C' (West Coast Classic)

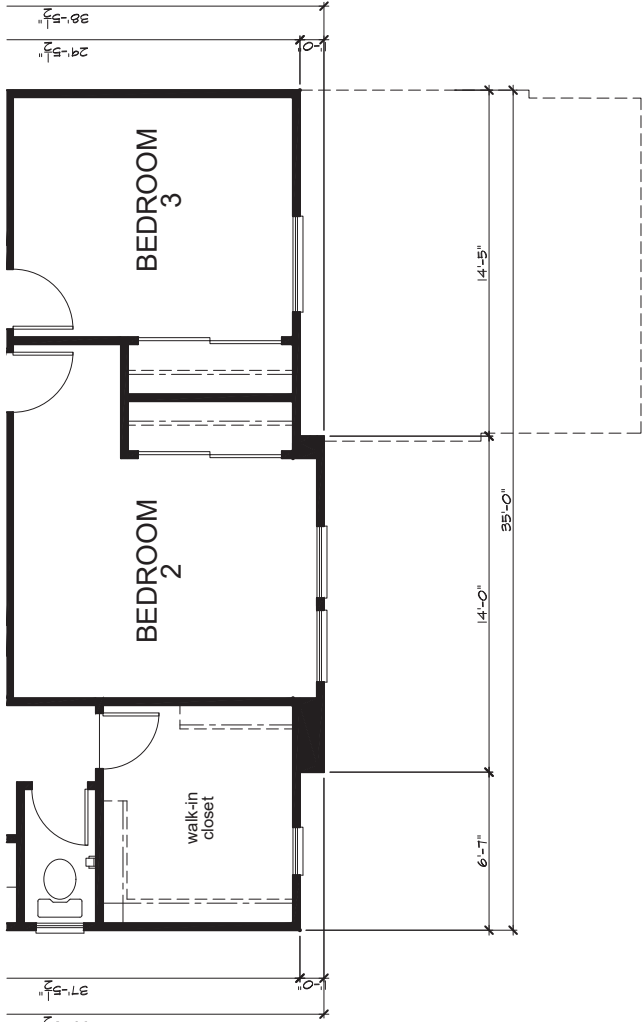


Second Floor Plan 'A'

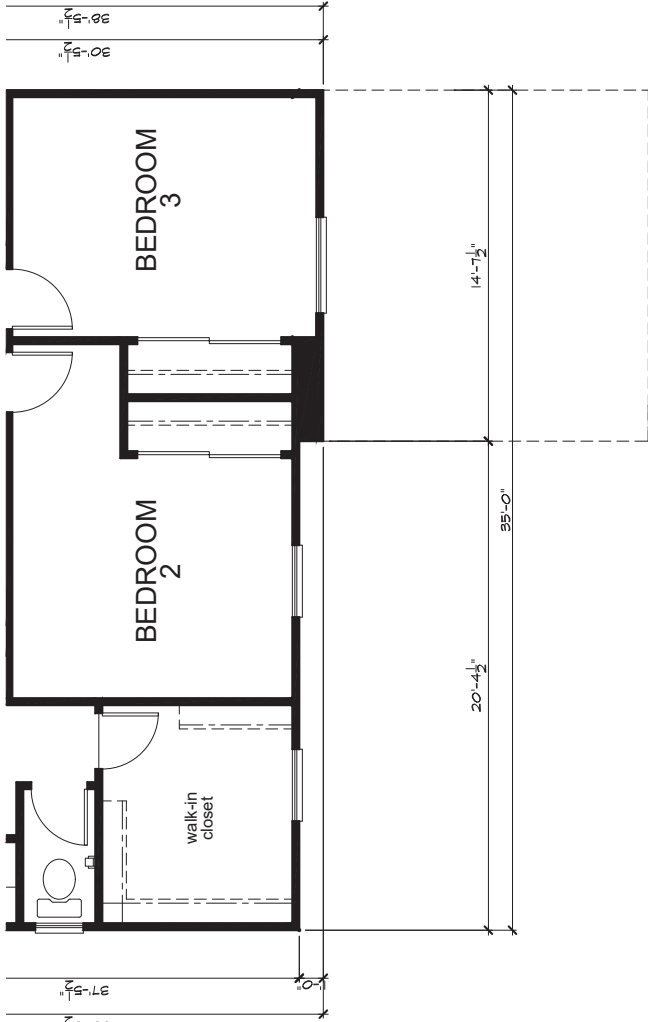


First Floor Plan 'A'

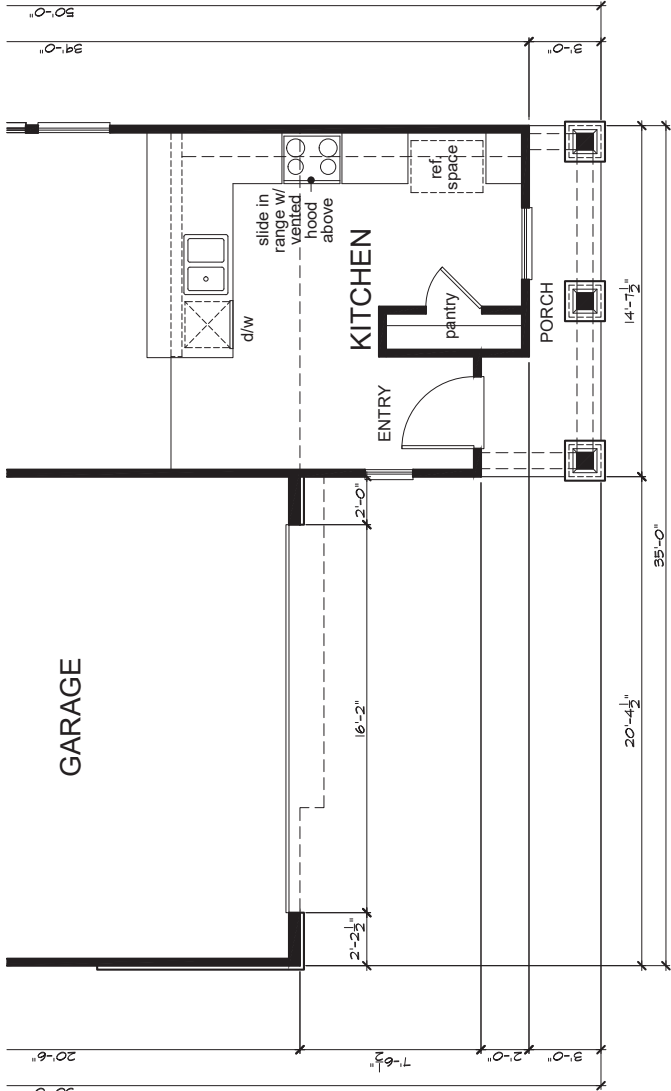
SQUARE FOOTAGE			
PLAN 2352045			
	'A'	'B'	'C'
FIRST FLOOR AREA	408	408	408
SECOND FLOOR AREA	1141	1131	1131
TOTAL AREA	2055	2045	2045
GARAGE AREA	418	418	418
PORCH AREA	54	54	54
OPTIONS:			
COVERED PATIO	115	115	115



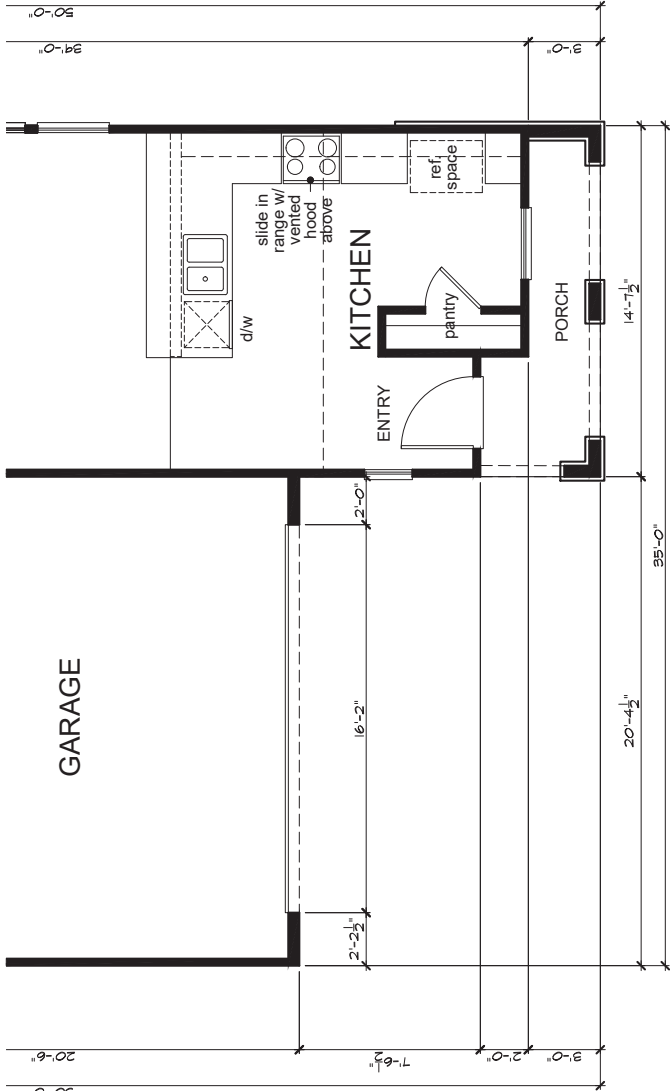
Second Floor Plan 'C'



Second Floor Plan 'B'

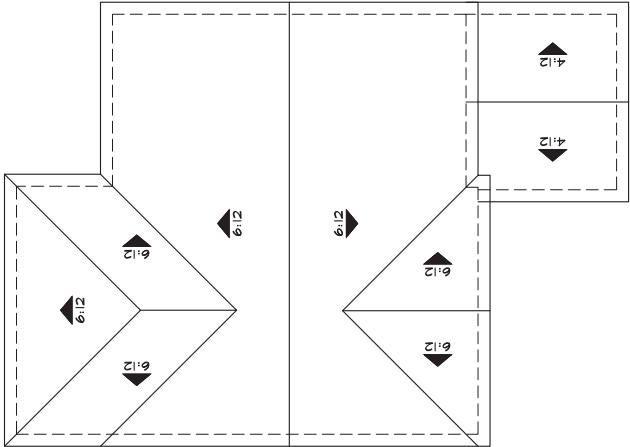


First Floor Plan 'C'

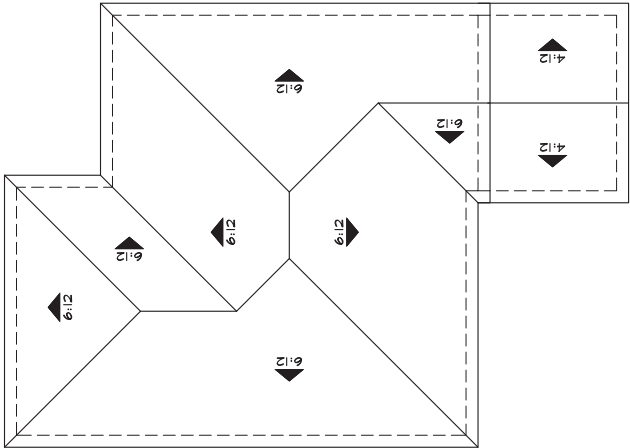


First Floor Plan 'B'

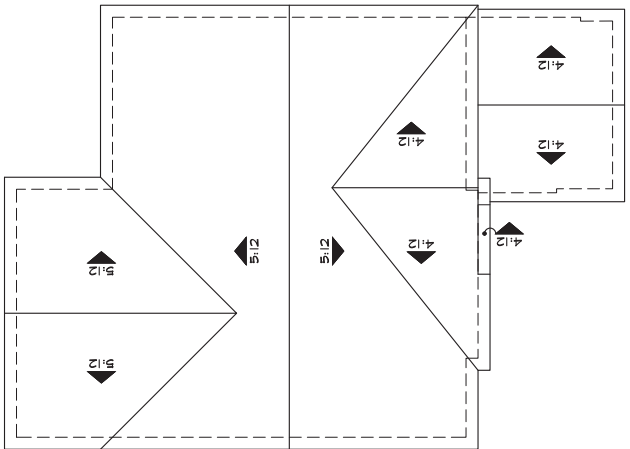
'A'



'B'



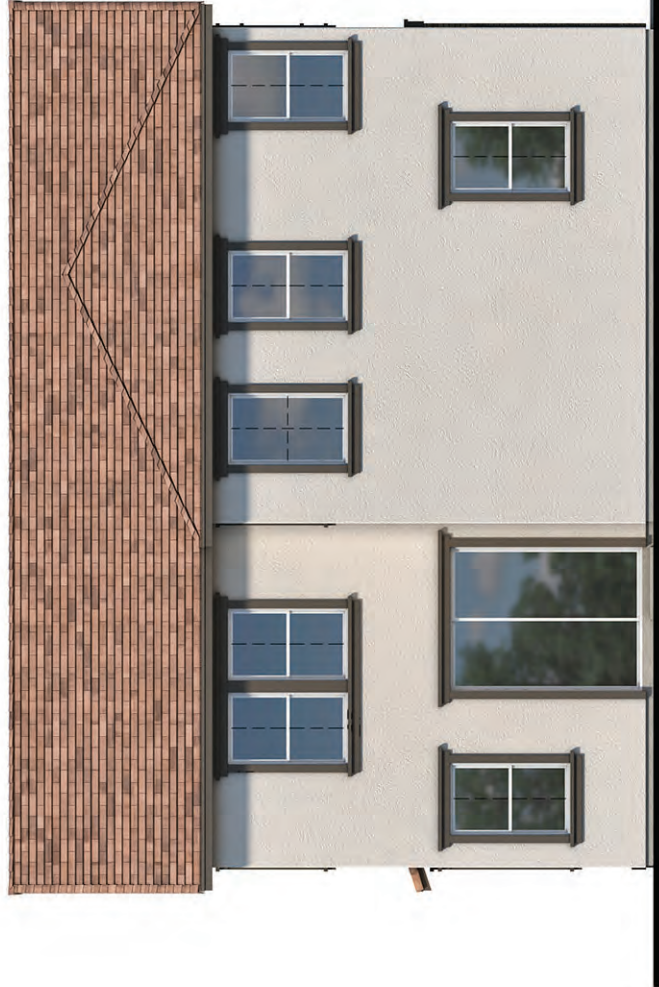
'C'



Roof Plans



Front Elevation 'A' - Americana



Rear Elevation 'A'



Left Elevation 'A'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATION APPEARANCE
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'

B42



Left Elevation 'B'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENVIRONMENTAL SCREENS
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'B'



Front Elevation 'B' - Country European



Rear Elevation 'B'

B43



Front Elevation 'C' - West Coast Classic



Rear Elevation 'C'



Left Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATION APPEARANCE
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'C'

B44



Partial Right Elevation 'A'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Rear Elevation 'A'

Elevations
at Covered Patio



Partial Left Elevation 'A'



Partial Right Elevation 'C'



Rear Elevation 'C'



Partial Left Elevation

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'



Partial Left Elevation 'B'

Elevations
at Covered Patio

Laurel Ranch (Cluster)

Central California Division

Project #64099981

Rev. September 2, 2021



AMERICANA ‘A’ ELEVATIONS

SCHEME 1

STUCCO
Worldly Gray (SW 7043)

FRONT ENTRY / SHUTTERS
Sommelier (SW 7595)

GARAGE
Taupe Tone (SW 7633)

BOARD & BATTEN
Pewter Tankard (SW 0023)

BRICK
HANDMADE BRICK
Moroccan Sand

FASCIA / BEAM ENDS
Urbane Bronze (SW 7048)

TRIM / COLUMNS / BRACKETS / CORBELS
Urbane Bronze (SW 7048)

SCHEME 2

STUCCO
Dorian Gray (SW 7017)

FRONT ENTRY / SHUTTERS
Stolen Kiss (SW 7586)

GARAGE
Rhinstone (SW 7656)

BOARD & BATTEN
Rhinstone (SW 7656)

BRICK
USED BRICK
High Desert

FASCIA / BEAM ENDS
Rhinstone (SW 7656)

TRIM / COLUMNS / BRACKETS / CORBELS
Rhinstone (SW 7656)

SCHEME 3

STUCCO
Simple White (SW 7021)

FRONT ENTRY / SHUTTERS
Inkwell (SW 6992)

GARAGE
Requisite Gray (SW 7023)

BOARD & BATTEN
Storm Cloud (SW 6249)

BRICK
USED BRICK
Antique Red

FASCIA / BEAM ENDS
Arcade White (SW 7100)

TRIM / COLUMNS / BRACKETS / CORBELS
Arcade White (SW 7100)

COUNTRY EUROPEAN ‘B’ ELEVATIONS

SCHEME 4

STUCCO
Sanderling (SW 7513)

FRONT ENTRY / SHUTTERS
Smoky Blue (SW 7604)

GARAGE
Tony Taupe (SW 7038)

GABLE END
White Heron (SW 7627)

STONE
DEL MAR LEDGESTONE
Burnt Ochre

FASCIA
Virtual Taupe (SW 7039)

TRIM / COLUMNS / BRACKETS / CORBELS
Virtual Taupe (SW 7039)

SCHEME 5

STUCCO
Kestrel White (SW 7516)

FRONT ENTRY / SHUTTERS
Rosemary (SW 6187)

GARAGE
Loggia (SW 7506)

GABLE END
Anonymous (SW 7046)

STONE
OLD COUNTRY FIELDSTONE
Chardonnay

FASCIA
Aesthetic White (SW 7035)

TRIM / COLUMNS / BRACKETS / CORBELS
Aesthetic White (SW 7035)

SCHEME 6

STUCCO
Urban Putty (SW 7532)

FRONT ENTRY / SHUTTERS
Bitter Chocolate (SW 6013)

GARAGE
Weathered Shingle (SW 2841)

GABLE END
Roycroft Suede (SW 2842)

STONE
OLD COUNTRY FIELDSTONE
Coastal Fog

FASCIA
China Doll (SW 7517)

TRIM / COLUMNS / BRACKETS / CORBELS
China Doll (SW 7517)

WEST COAST CLASSIC ‘C’ ELEVATIONS

SCHEME 7

STUCCO
San Antonio Sage (SW 7731)

FRONT ENTRY / GARAGE
Black Bean (SW 6006)

SIDING
Cocoon (SW 6173)

STONE
COUNTRY LEDGESTONE
Grand Mesa

GABLE END
Nacre (SW 6154)

FASCIA / BEAM ENDS
Umber (SW 6146)

TRIM / TAPERED COLUMNS / CORBELS
Umber (SW 6146)

SCHEME 8

STUCCO
Argos (SW 7065)

FRONT ENTRY / SHUTTERS
Gale Force (SW 7605)

GARAGE
Rhinstone (SW 7656)

SIDING
Cityscape (SW 7067)

STONE
COBBLEFIELD
Gray

GABLE END
Arcade White (SW 7100)

FASCIA / BEAM ENDS
Arcade White (SW 7100)

TRIM / TAPERED COLUMNS / CORBELS
Arcade White (SW 7100)

SCHEME 9

STUCCO
Ionic Ivory (SW 6406)

FRONT ENTRY / SHUTTERS
Rock Bottom (SW 7082)

GARAGE
Black Bean (SW 6006)

SIDING
Svelte Sage (SW 6164)

STONE
COUNTRY LEDGESTONE
Hudson Bay

GABLE END
Dried Thyme (SW 6186)

FASCIA / BEAM ENDS
Thunder Gray (SW 7845)

TRIM / TAPERED COLUMNS / CORBELS
Westhighland White (SW 7566)

Laurel Ranch (Cluster)

Central California Division

Project #64099981

Rev. January 12, 2022



AMERICANA 'A' ELEVATIONS				
MATERIAL	MFR	SCHEME 1	SCHEME 2	SCHEME 3
STUCCO	SHERWIN-WILLIAMS	Worldly Gray (SW 7043)	Dorian Gray (SW 7017)	Simple White (SW 7021)
BOARD & BATTEN	SHERWIN-WILLIAMS	Pewter Tankard (SW 0023)	Rhinestone (SW 7656)	Storm Cloud (SW 6249)
FASCIA / BEAM ENDS	SHERWIN-WILLIAMS	Urbane Bronze (SW 7048)	Rhinestone (SW 7656)	Arcade White (SW 7100)
TRIM / COLUMNS / BRACKETS / CORBELS	SHERWIN-WILLIAMS	Urbane Bronze (SW 7048)	Rhinestone (SW 7656)	Arcade White (SW 7100)
SHUTTERS	SHERWIN-WILLIAMS	Sommelier (SW 7595)	Stolen Kiss (SW 7586)	Inkwell (SW 6992)
FRONT ENTRY	SHERWIN-WILLIAMS	Sommelier (SW 7595)	Stolen Kiss (SW 7586)	Inkwell (SW 6992)
GARAGE	SHERWIN-WILLIAMS	Taupe Tone (SW 7633)	Rhinestone (SW 7656)	Requisite Gray (SW 7023)
ROOF	BORAL ROOFING	1 FBCF 3293	1 FBCF 3233	1 FBCF 5139
	SHAKE	Cedar Blend	Brown Blend	Dark Ash
BRICK	CULTURED BRICK	HANDMADE BRICK Moroccan Sand	USED BRICK High Desert	USED BRICK Antique Red

COUNTRY EUROPEAN 'B' ELEVATIONS				
MATERIAL	MFR	SCHEME 4	SCHEME 5	SCHEME 6
STUCCO	SHERWIN-WILLIAMS	Sanderling (SW 7513)	Kestrel White (SW 7516)	Dorian Gray (SW 7017)
GABLE END	SHERWIN-WILLIAMS	White Heron (SW 7627)	Anonymous (SW 7046)	Greek Villa (SW 7551)
FASCIA	SHERWIN-WILLIAMS	Virtual Taupe (SW 7039)	Aesthetic White (SW 7035)	Gauntlet Gray (SW 7019)
TRIM / COLUMNS / BRACKETS / CORBELS	SHERWIN-WILLIAMS	Virtual Taupe (SW 7039)	Aesthetic White (SW 7035)	Gauntlet Gray (SW 7019)
FRONT ENTRY / SHUTTERS	SHERWIN-WILLIAMS	Smoky Blue (SW 7604)	Rosemary (SW 6187)	Plum Brown (SW 6272)
GARAGE	SHERWIN-WILLIAMS	Tony Taupe (SW 7038)	Loggia (SW 7506)	Repose Gray (SW 7015)
ROOF	BORAL ROOFING	1 FACS 0024	1 FACS 1132	1 FACS 0330
	SLATE	Desert Sage	Charcoal Brown Blend	Appalachian Blend
STONE	CULTURED STONE	DEL MAR LEDGESTONE Burnt Ochre	OLD COUNTRY FIELDSTONE Chardonnay	OLD COUNTRY FIELDSTONE Echo Ridge

WEST COAST CLASSIC 'C' ELEVATIONS				
MATERIAL	MFR	SCHEME 7	SCHEME 8	SCHEME 9
STUCCO	SHERWIN-WILLIAMS	San Antonio Sage (SW 7731)	Argos (SW 7065)	Ionic Ivory (SW 6406)
SIDING	SHERWIN-WILLIAMS	Cocoon (SW 6173)	Cityscape (SW 7067)	Svelte Sage (SW 6164)
GABLE END	SHERWIN-WILLIAMS	Nacre (SW 6154)	Arcade White (SW 7100)	Dried Thyme (SW 6186)
FASCIA / BEAM ENDS	SHERWIN-WILLIAMS	Umber (SW 6146)	Arcade White (SW 7100)	Thunder Gray (SW 7645)
TRIM / TAPERED COLUMNS / CORBELS	SHERWIN-WILLIAMS	Umber (SW 6146)	Arcade White (SW 7100)	Westhighland White (SW 7566)
SHUTTERS	SHERWIN-WILLIAMS	Softer Tan (SW 6141)	Gale Force (SW 7605)	Rock Bottom (SW 7062)
FRONT ENTRY	SHERWIN-WILLIAMS	Black Bean (SW 6006)	Gale Force (SW 7605)	Rock Bottom (SW 7062)
GARAGE	SHERWIN-WILLIAMS	Black Bean (SW 6006)	Rhinestone (SW 7656)	Black Bean (SW 6006)
ROOF	BORAL ROOFING	1 FBCF 1132	1 FBCF 3233	1 FBCF 3293
	SHAKE	Charcoal Brown Blend	Brown Blend	Cedar Blend
STONE	CULTURED STONE	COUNTRY LEDGESTONE Grand Mesa	COBBLEFIELD Gray	COUNTRY LEDGESTONE Hudson Bay

CREATED 21-0720

Rev. 21-0917: Updated schemes:1, 2, 3, 8 and 9.

Rev. 22-0112: Updated roof on schemes 1 and 7. Updated stone on scheme 6.

KB Home reserves the right to modify or discontinue any products, colors or styles at any time without prior notice. Displays of options, colors, textures, brick, stone, tile, shutters, roofing materials, siding, surfaces, stone and material combinations viewed on a sample color board may differ from the appearances of the options on homes when viewed in person. Please visit a KB Home model home community to view actual colors textures and combinations.

B49



1420 “C”
CONTEMPORARY FARMHOUSE

2381 “A”
SPANISH

2756 “B”
TRADITIONAL FARMHOUSE

1869 “A”
SPANISH

2541 “C”
CONTEMPORARY FARMHOUSE

ELEVATION LEGEND

- 1

CONCRETE 'S' TILE ROOFING
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE
- 23

CONCRETE FLAT TILE ROOFING(SHAKE)
- 24

DECORATIVE RECESSED ELEMENT
- 25

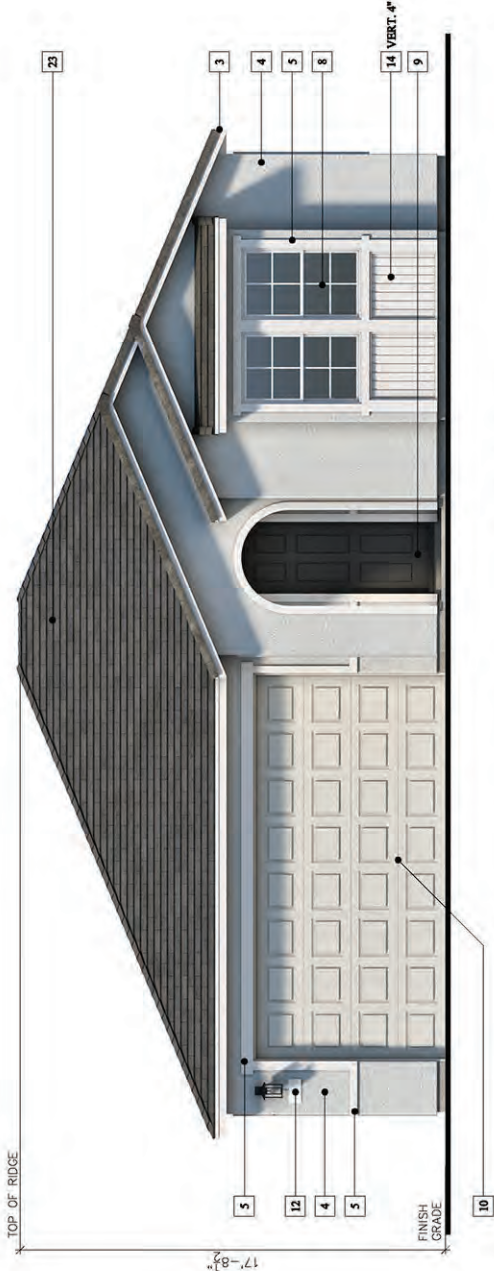
WOOD/ POLYURETHANE TRIM



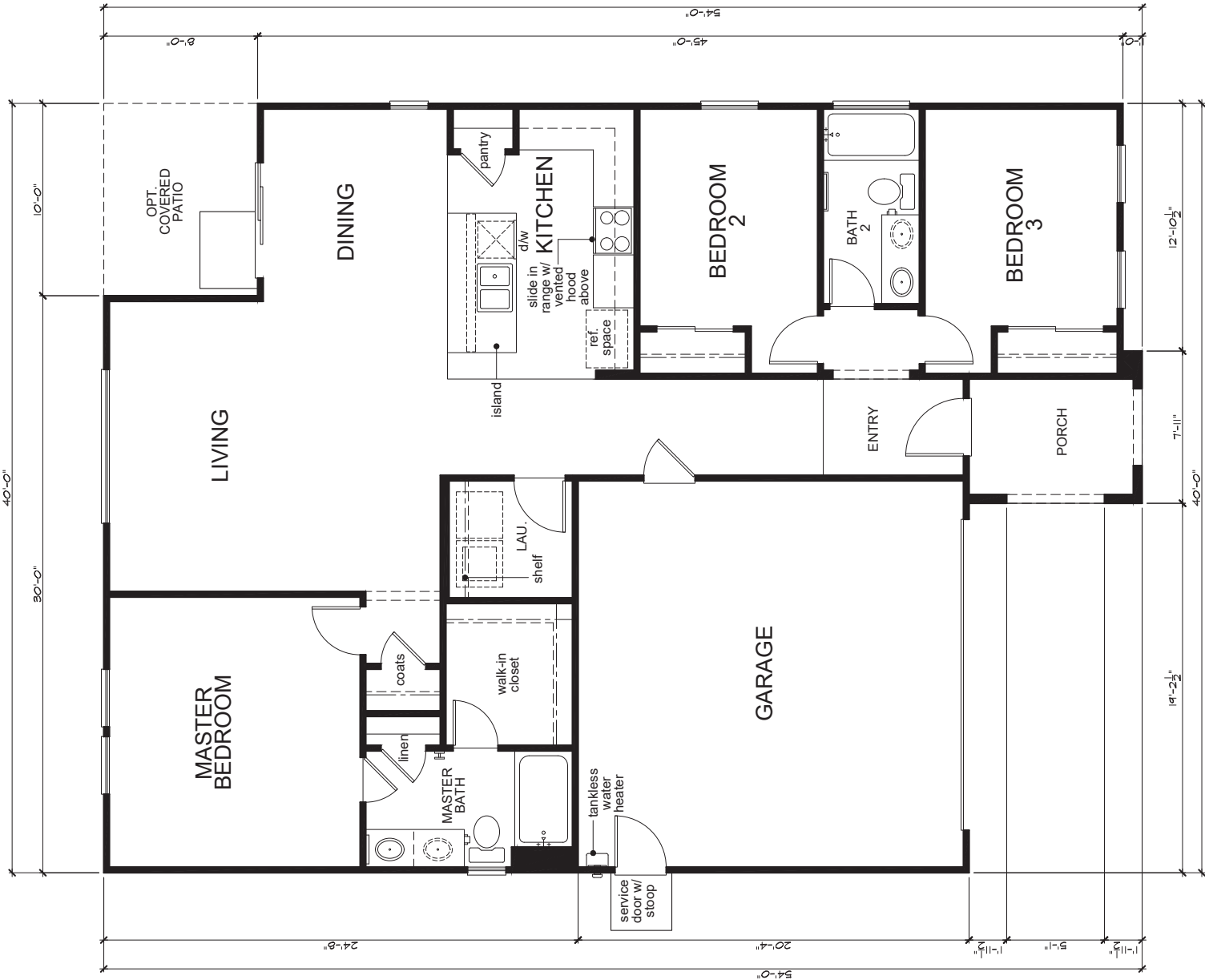
Elevation 'A' (Spanish)



Elevation 'B' (Traditional Farmhouse)

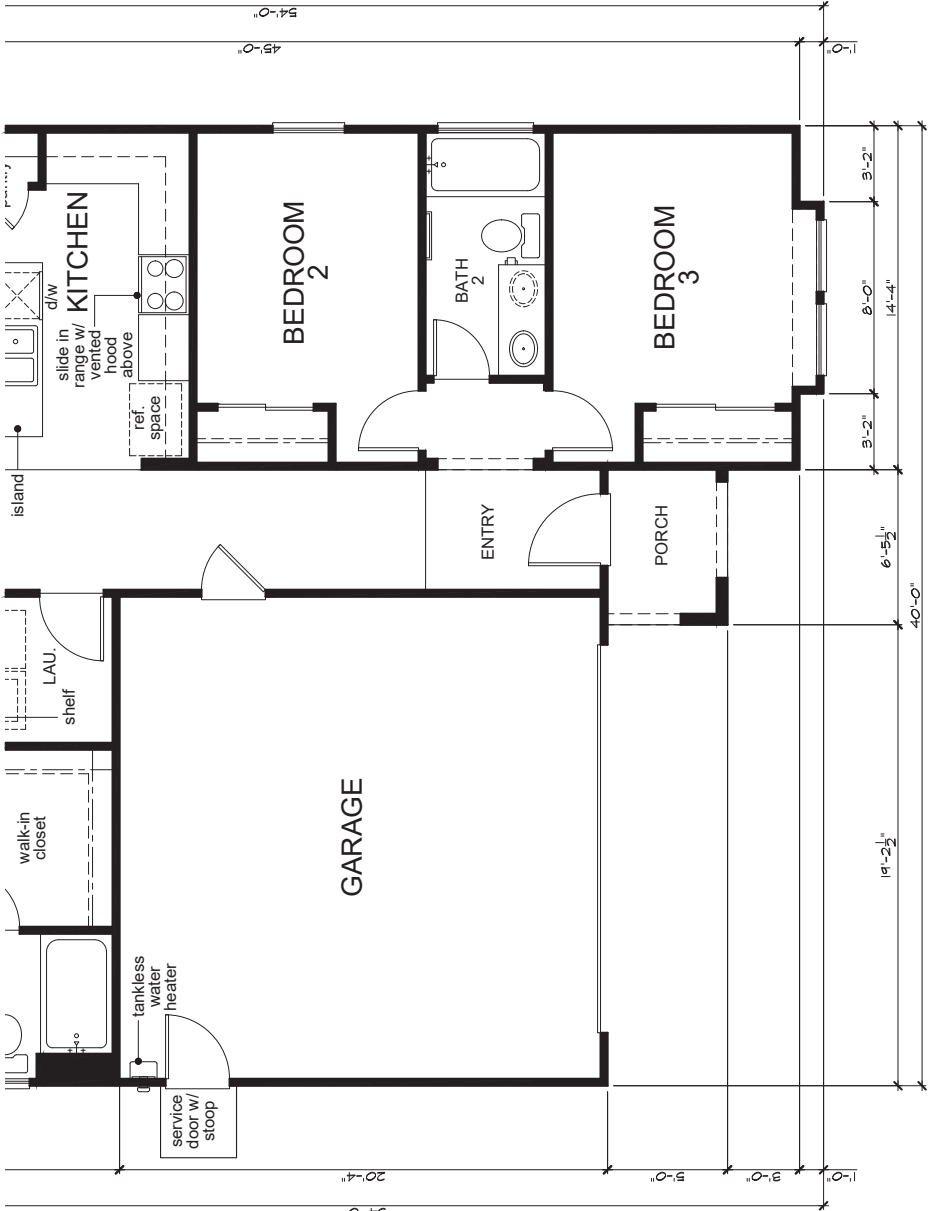


Elevation 'C' (Contemporary Farmhouse)

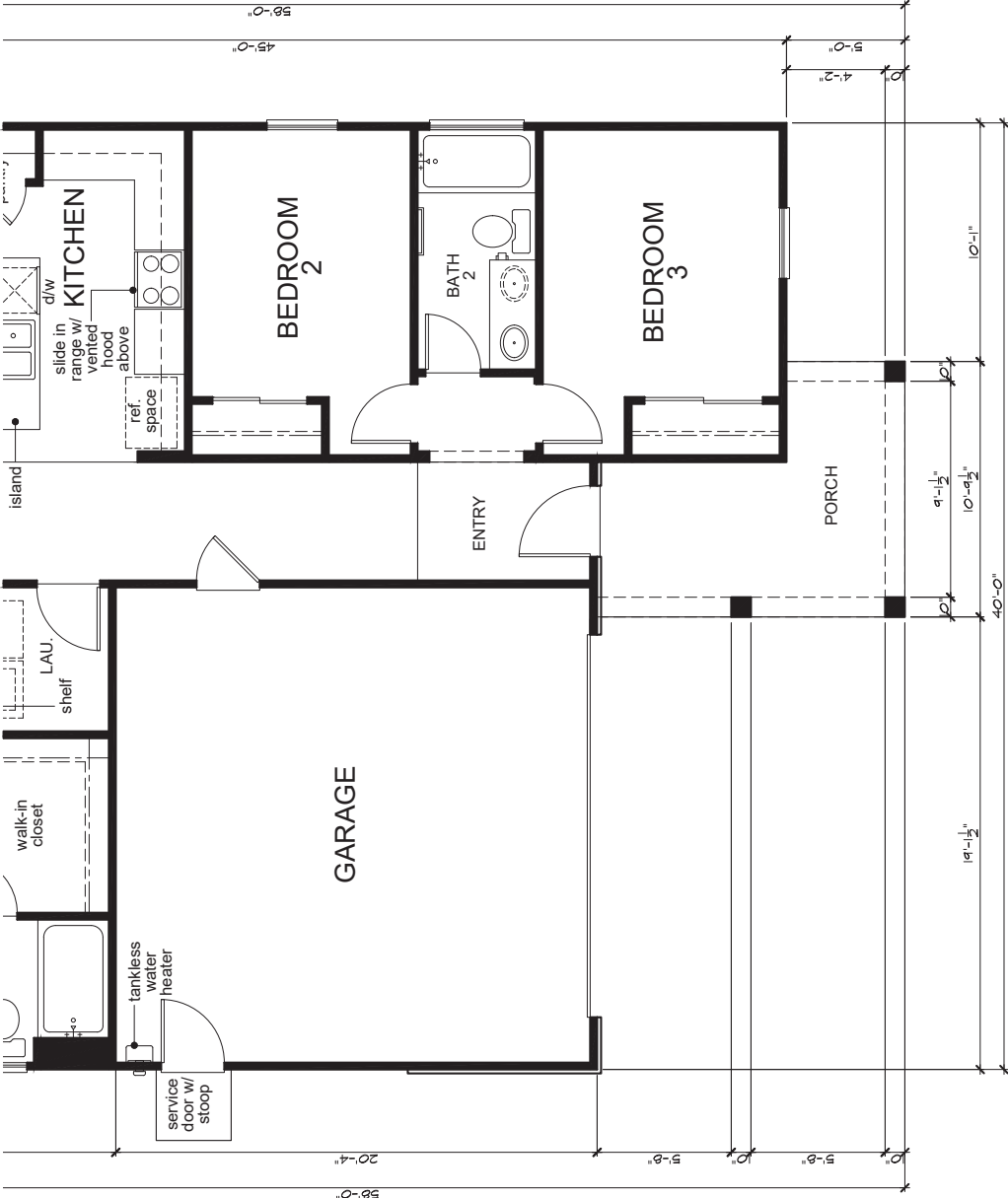


Floor Plan 'A'

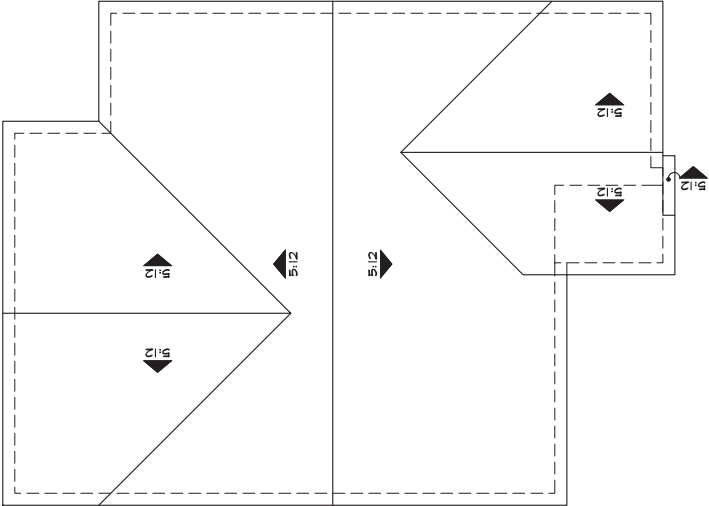
SQUARE FOOTAGE				
PLAN 140.1420				
	A'	B'	C'	
FIRST FLOOR AREA	1420	1420	1420	50 FT.
TOTAL AREA	1420	1420	1420	50 SQ. FT.
GARAGE AREA	414	414	414	50 SQ. FT.
PORCH AREA	58	106	32	50 SQ. FT.
OPTIONS:				
COVERED PATIO	80	80	80	50 SQ. FT.



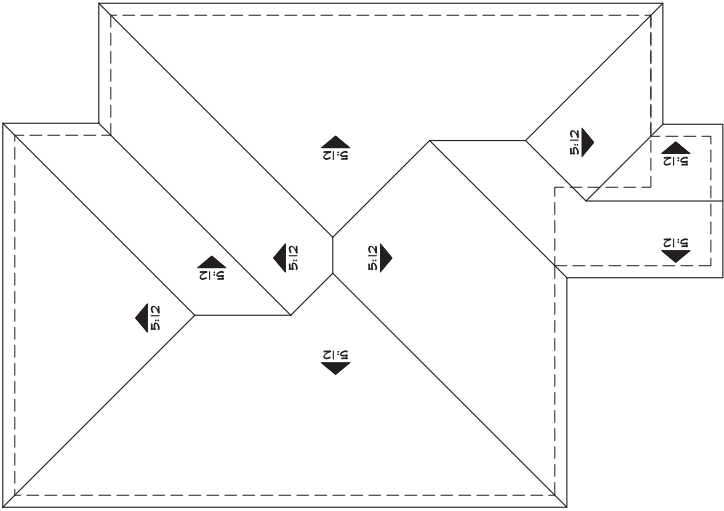
Partial Floor Plan 'C'



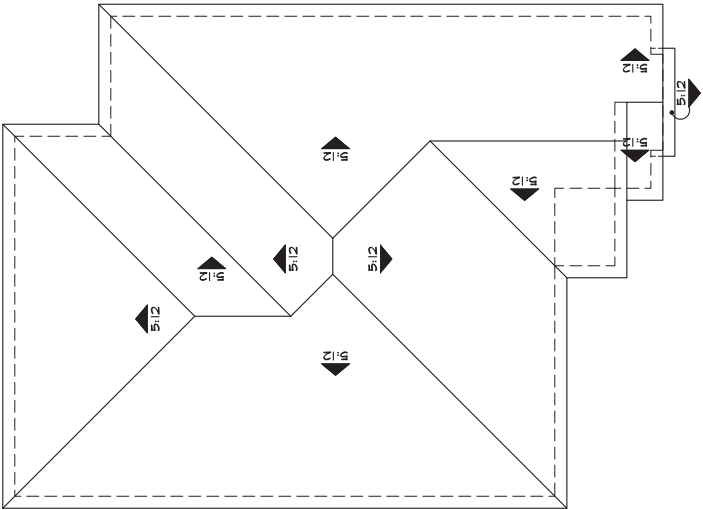
Partial Floor Plan 'B'



'A'



'B'



'C'

Roof Plans



Left Elevation 'A'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENTIRE ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Front Elevation 'A' - Spanish

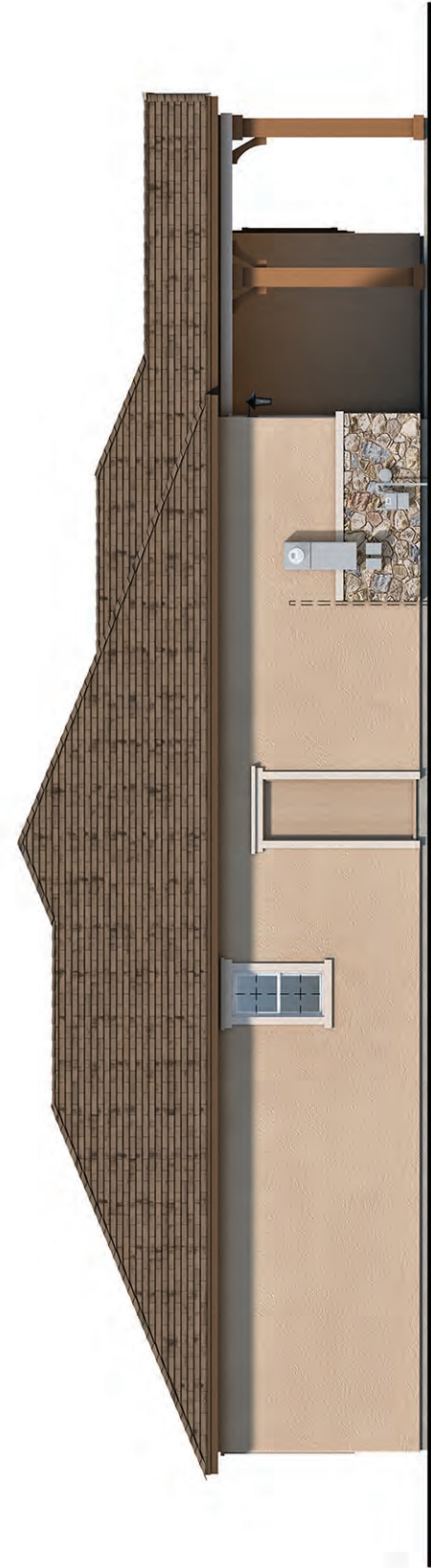


Right Elevation 'A'



Rear Elevation 'A'

B55



Left Elevation 'B'

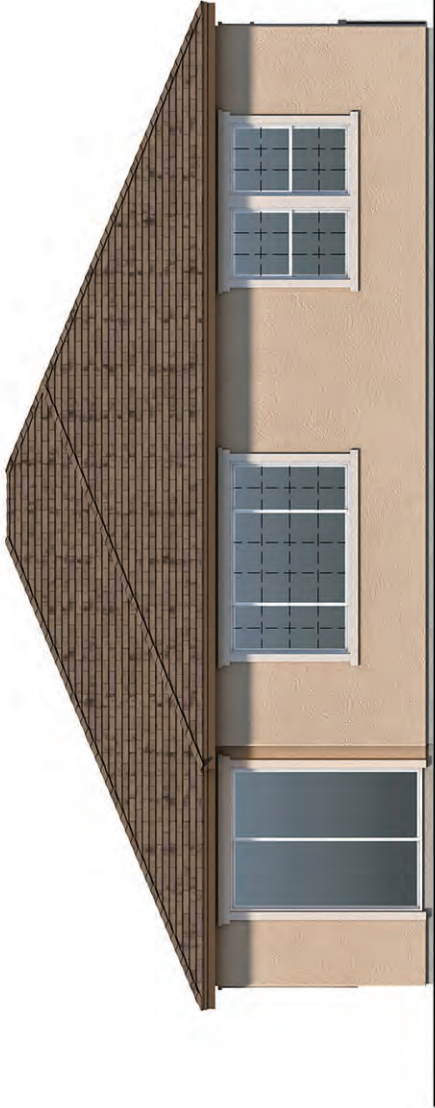
NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENTIRE ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Front Elevation 'B' - Traditional Farmhouse



Right Elevation 'B'

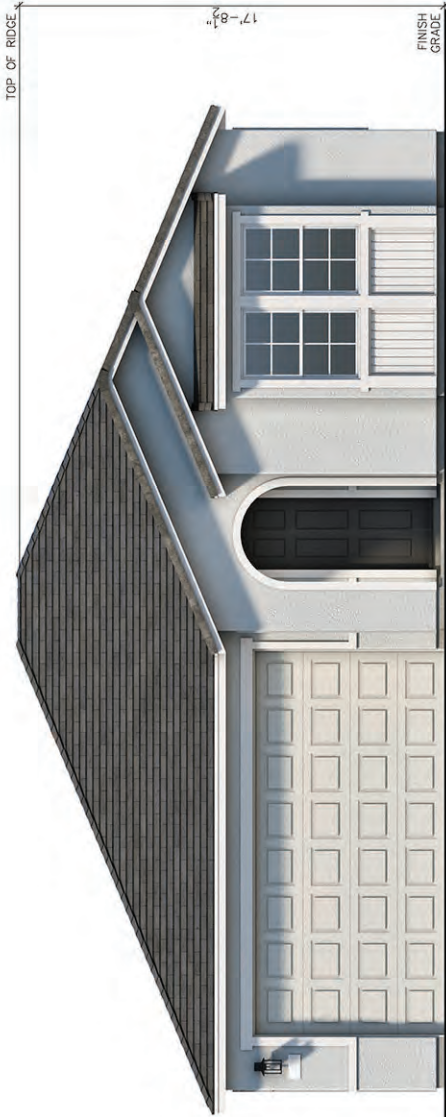


Rear Elevation 'B'

B56

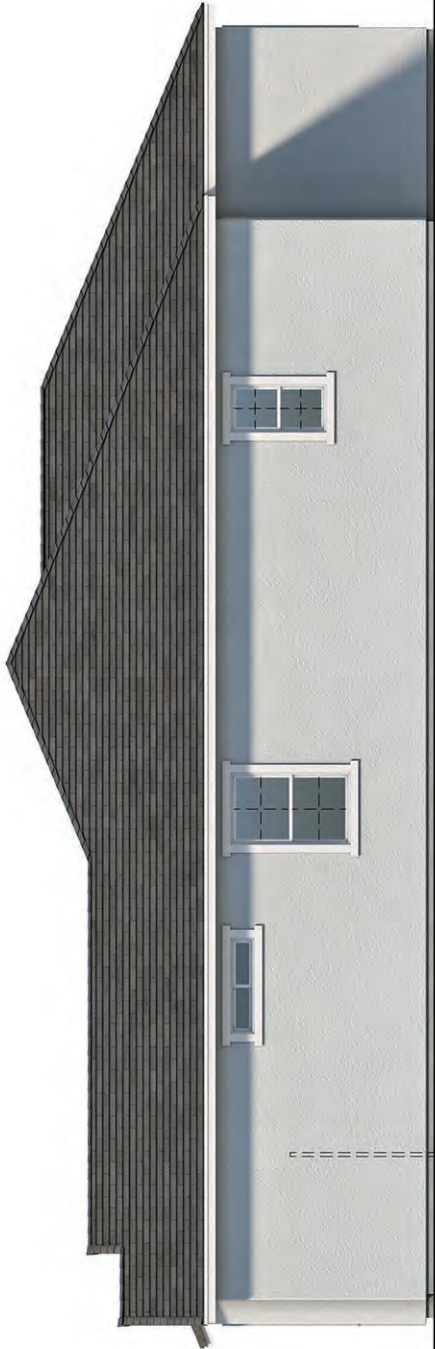


Left Elevation 'C'

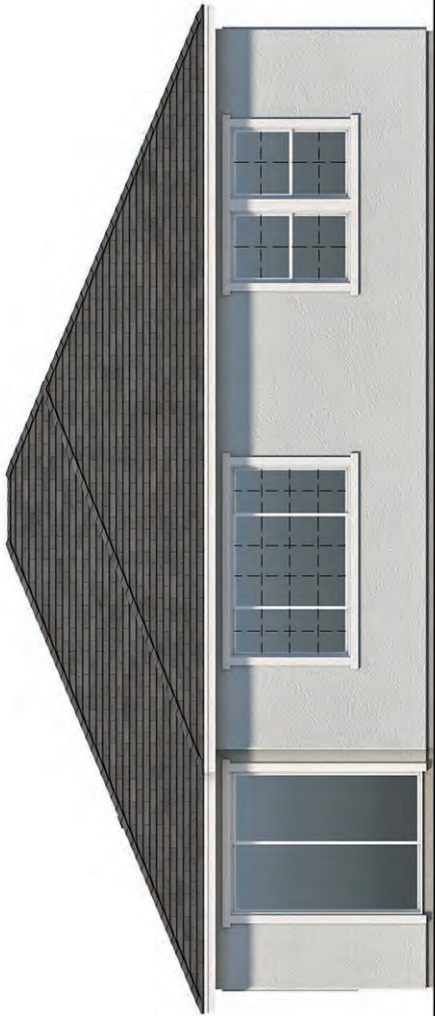


Front Elevation 'C' - Contemporary Farmhouse

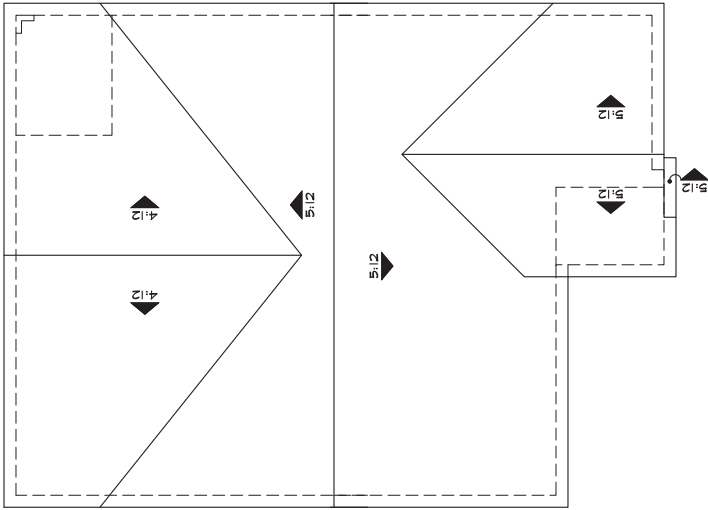
NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENTIRE ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



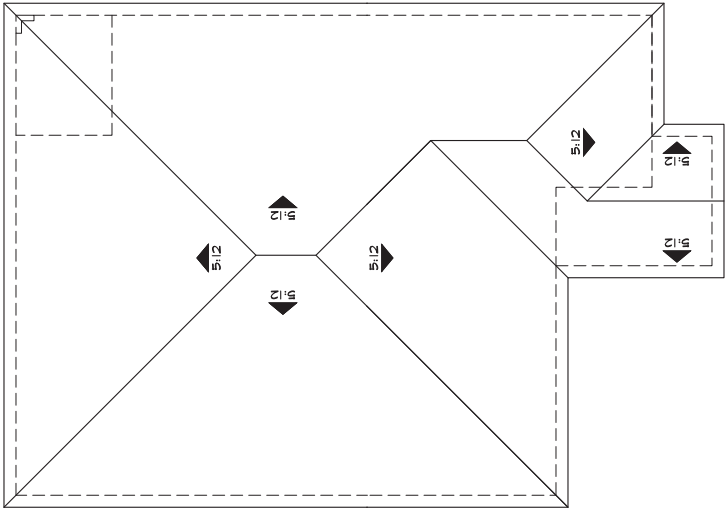
Right Elevation 'C'



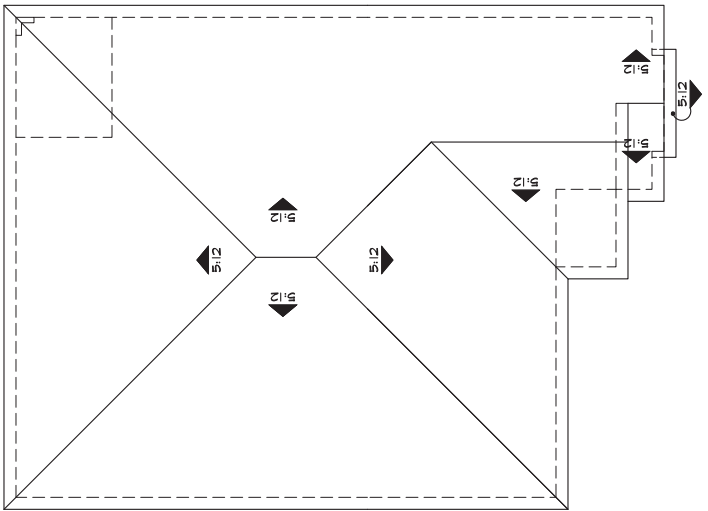
Rear Elevation 'C'



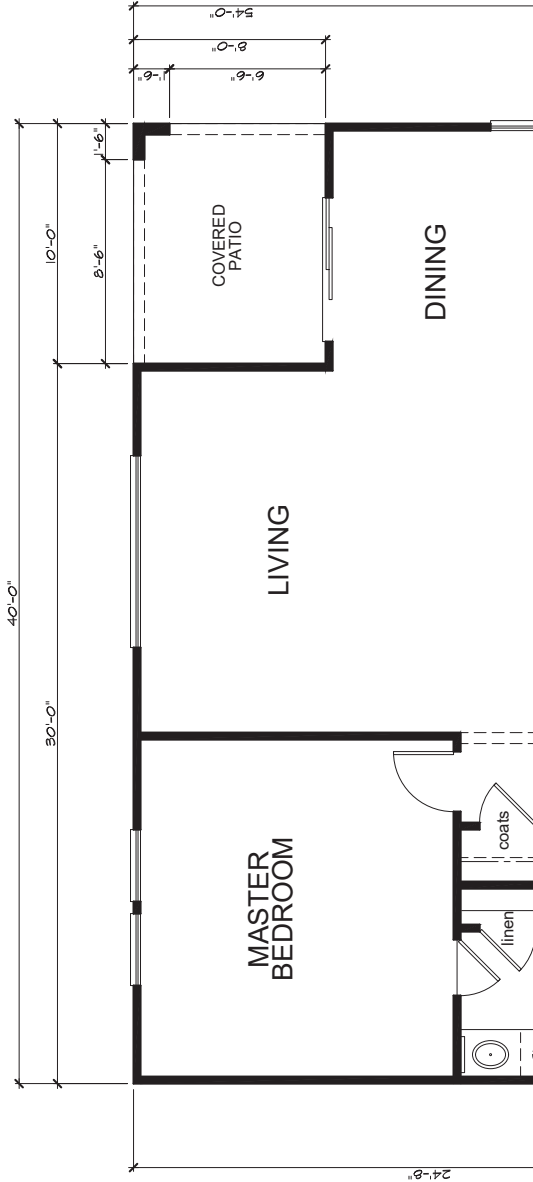
'A'



'B'



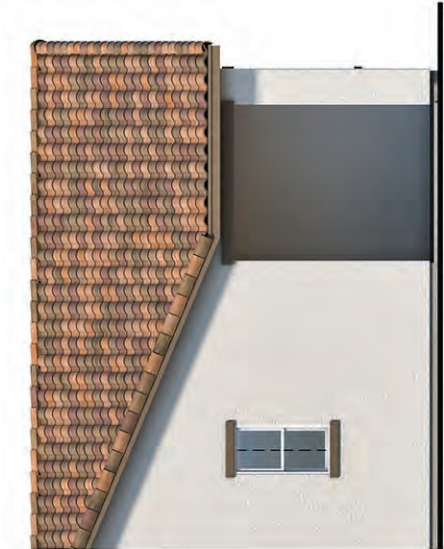
'C'



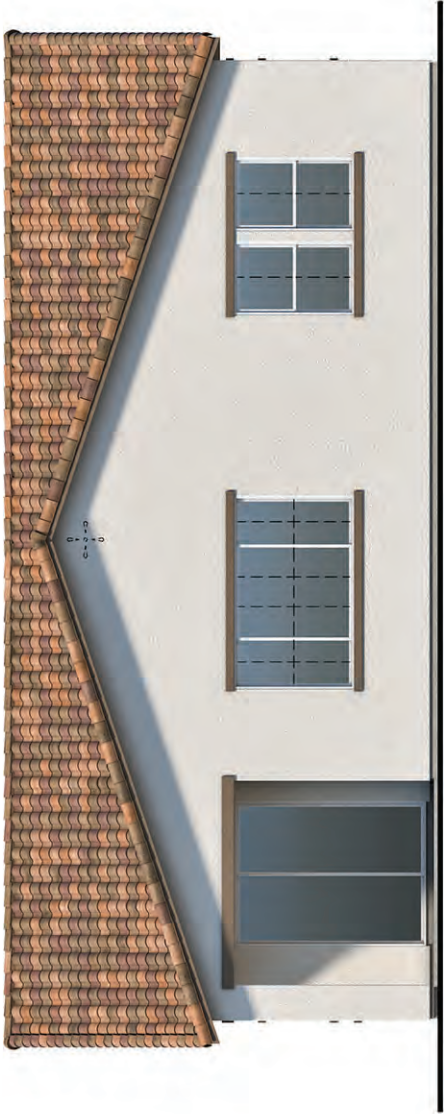
Partial Floor Plan
at Covered Patio

Roof Plans
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'

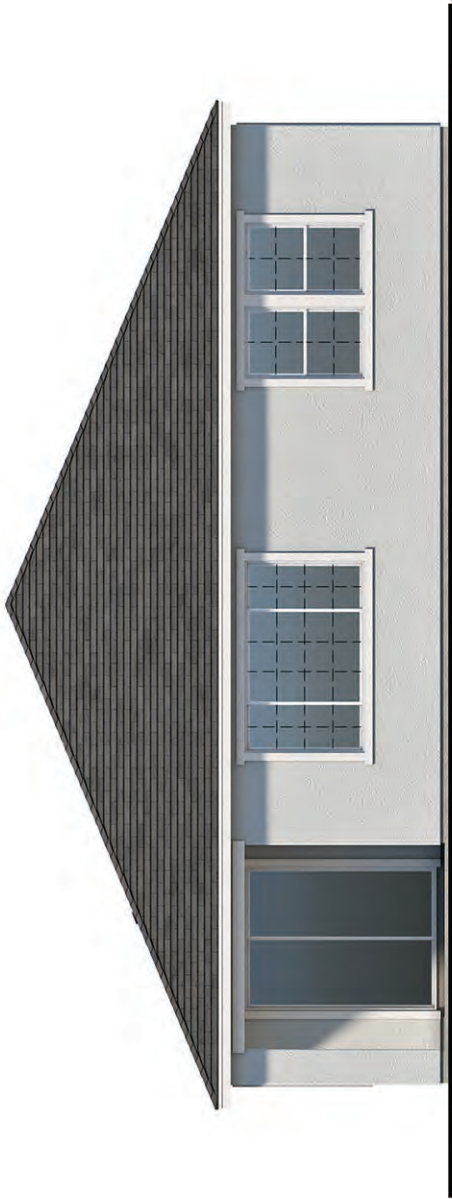


Rear Elevation 'A'

Elevations
at Covered Patio



Partial Right Elevation 'C'

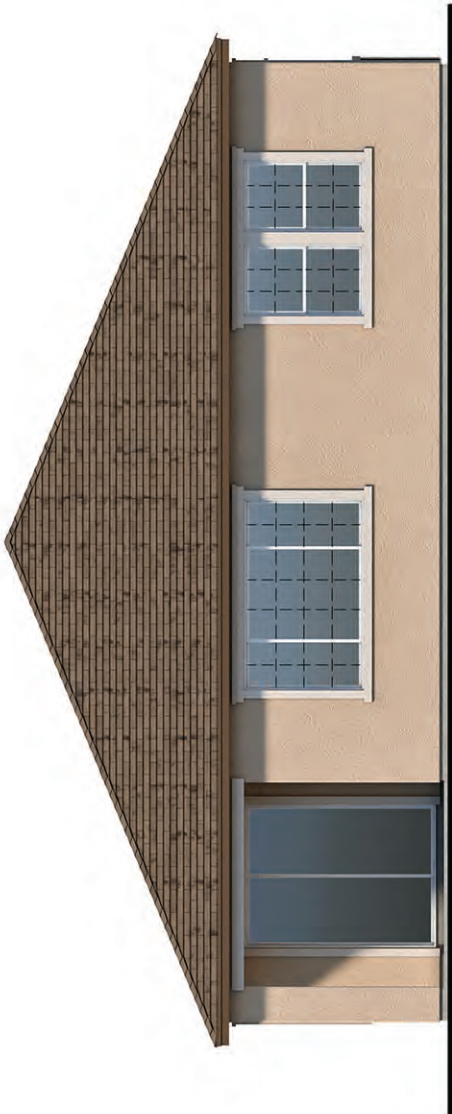


Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Covered Patio

B60

ELEVATION LEGEND

- 1

CONCRETE 'S' TILE ROOFING
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE
- 23

CONCRETE FLAT TILE ROOFING(SHAKE)
- 24

DECORATIVE RECESSED ELEMENT
- 25

WOOD/ POLYURETHANE TRIM



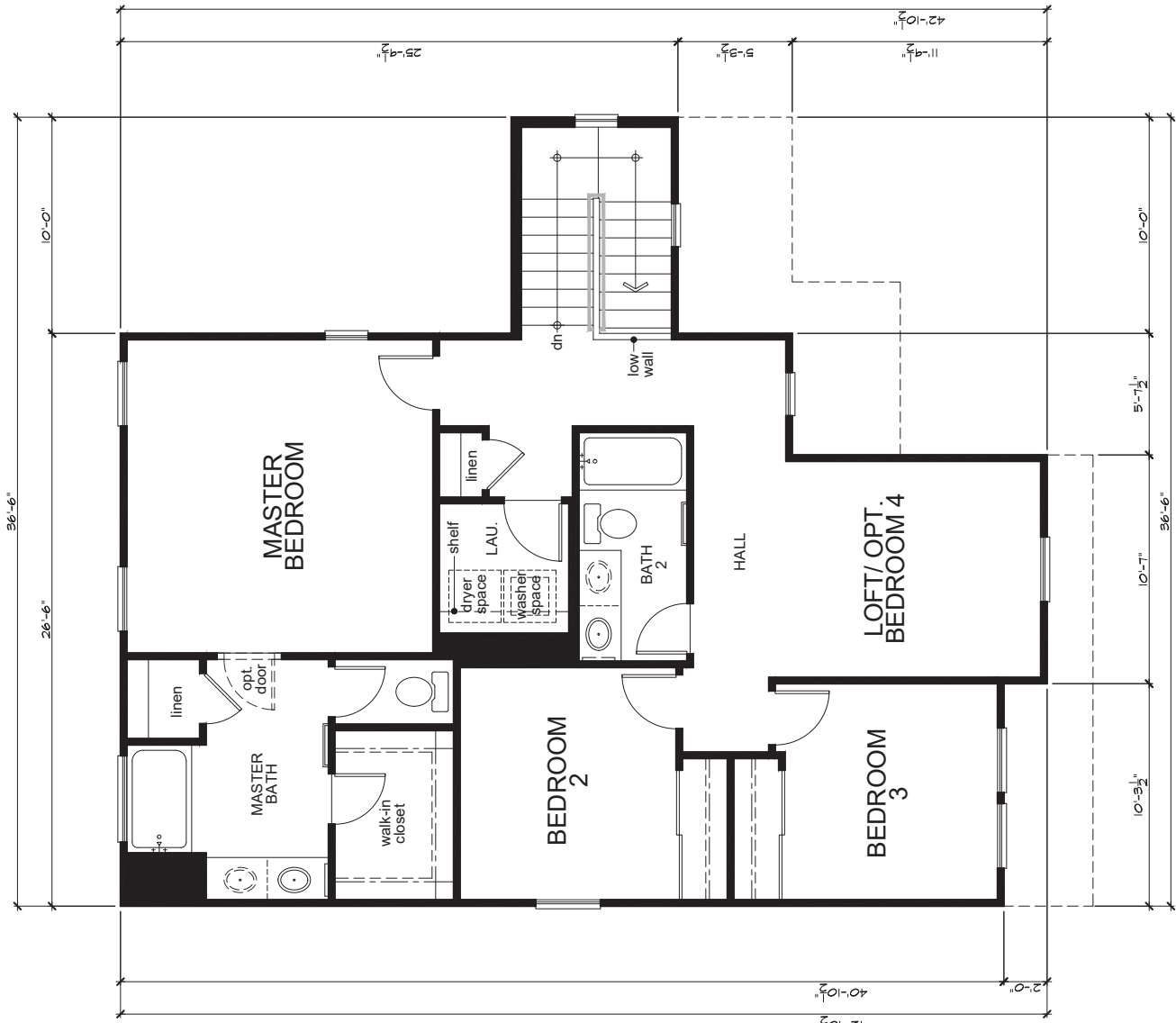
Elevation 'A' (Spanish)



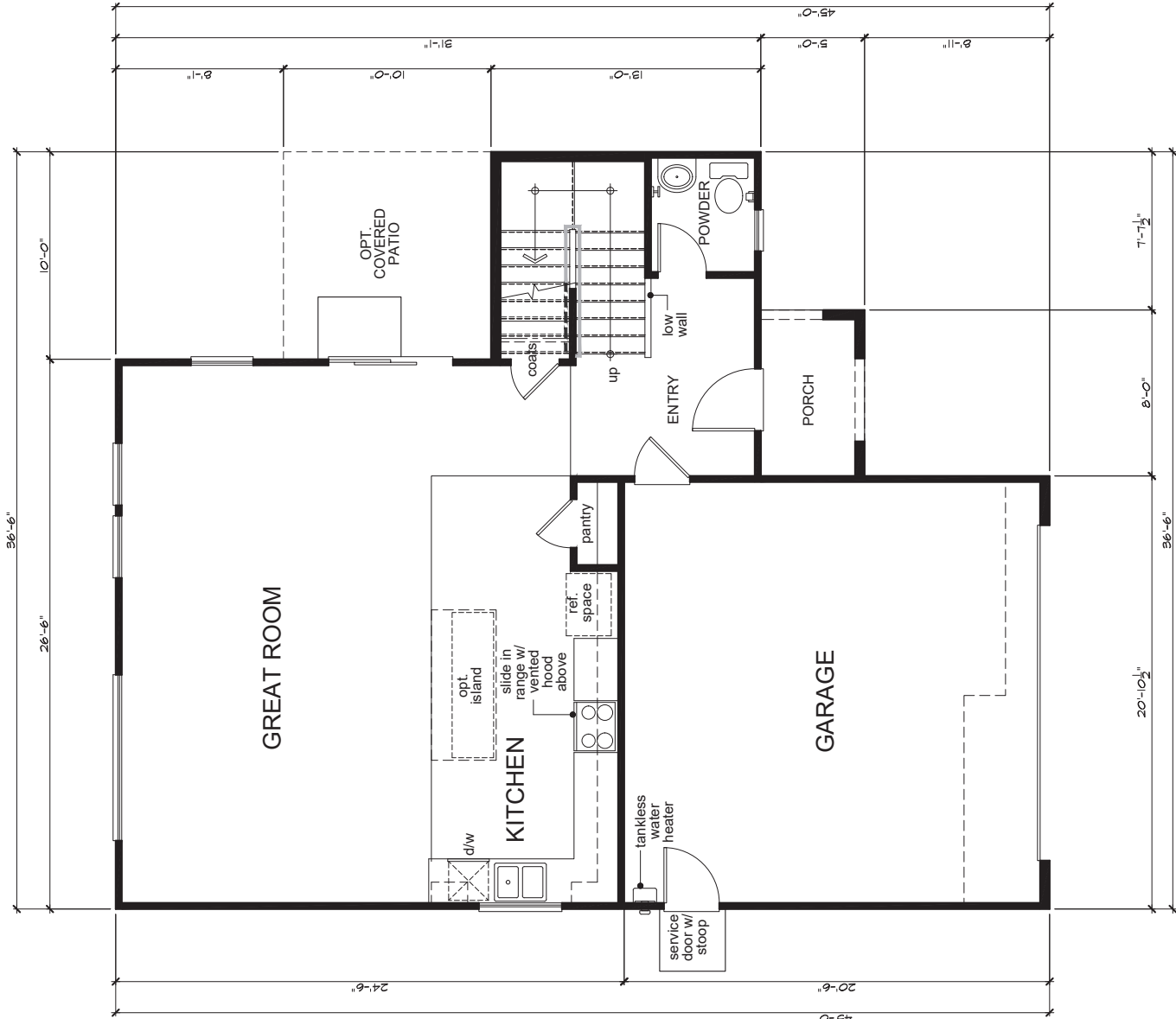
Elevation 'B' (Traditional Farmhouse)



Elevation 'C' (Contemporary Farmhouse)

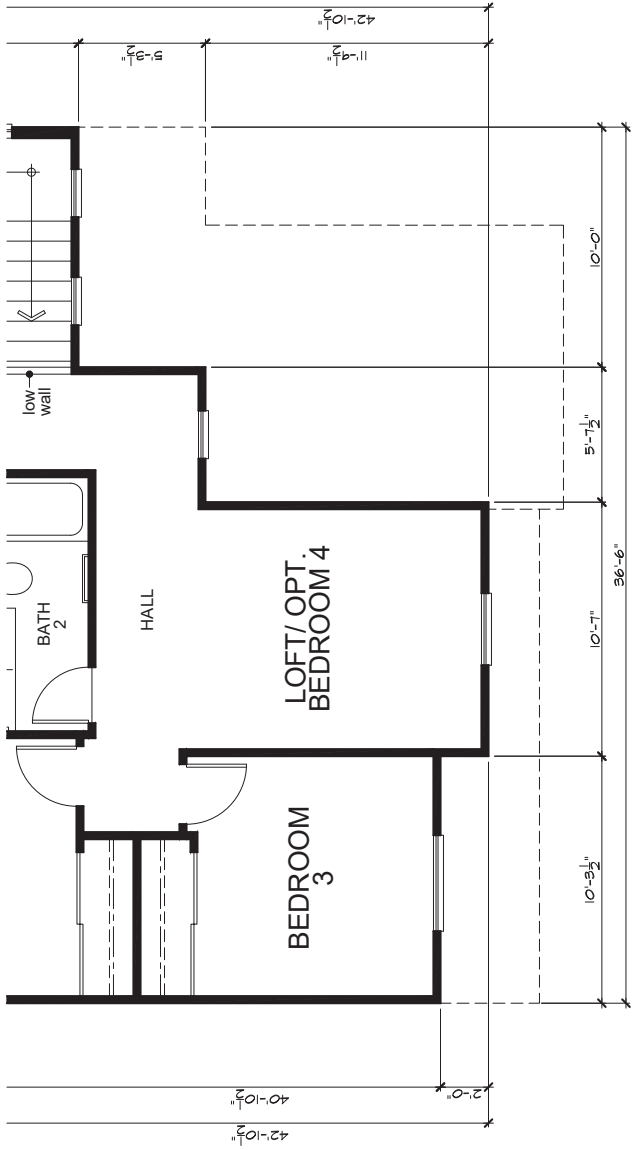


Second Floor Plan 'A'

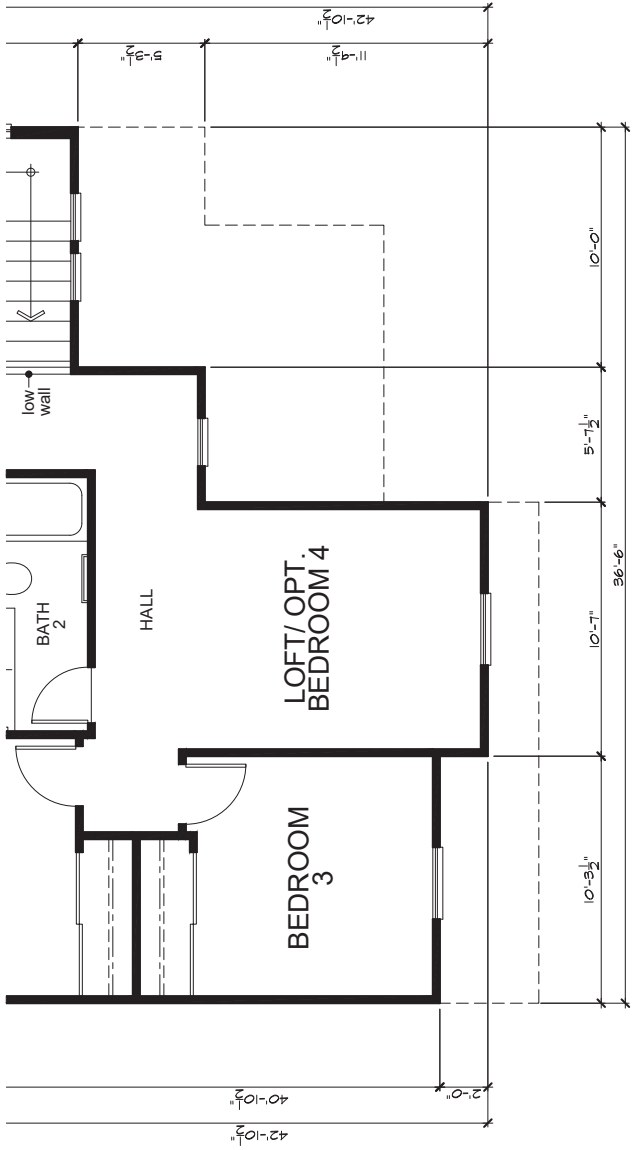


First Floor Plan 'A'

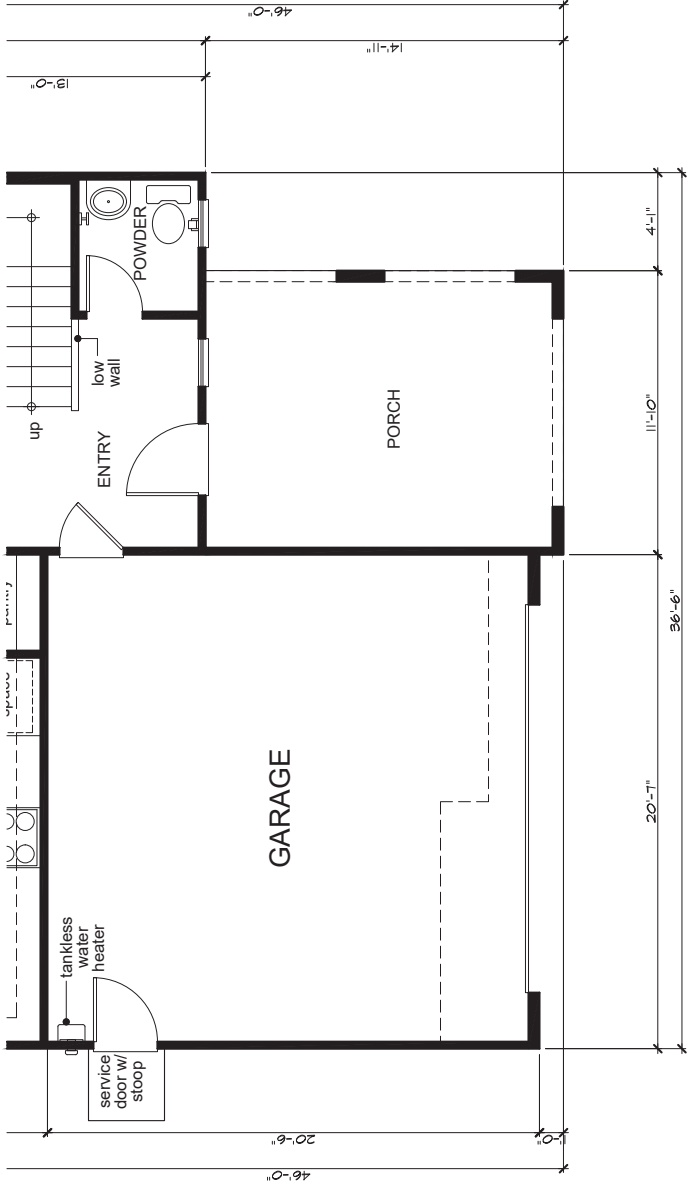
SQUARE FOOTAGE				
PLAN 2371869				
	'A'	'B'	'C'	
FIRST FLOOR AREA	818	818	818	50 FT. SQ. FT.
SECOND FLOOR AREA	1051	1051	1051	50 FT. SQ. FT.
TOTAL AREA	1869	1869	1869	50 FT. SQ. FT.
GARAGE AREA	426	426	426	50 FT. SQ. FT.
PORCH AREA	40	86	172	50 FT. SQ. FT.
OPTIONS:				
COVERED PATIO	100	100	100	50 FT. SQ. FT.



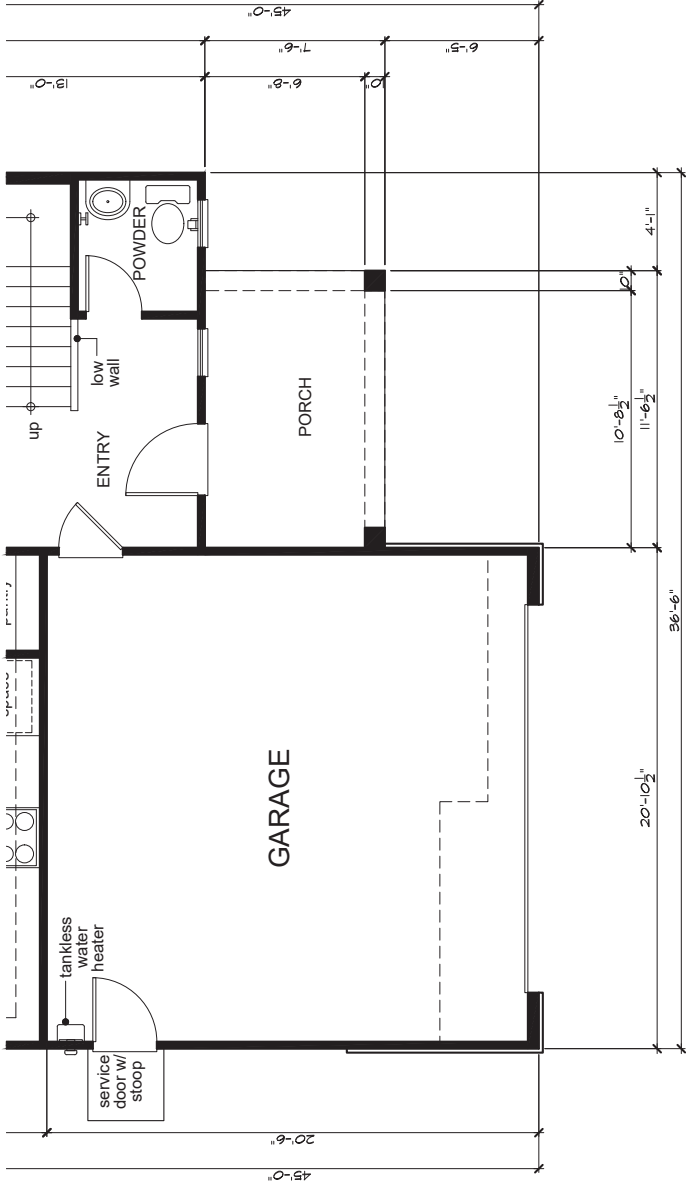
Second Floor Plan 'C'



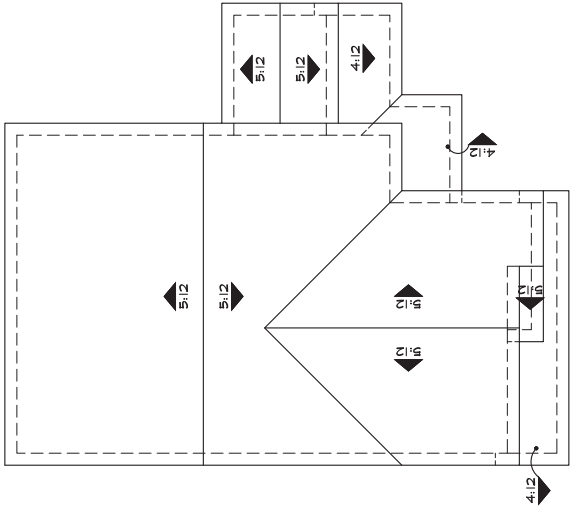
Second Floor Plan 'B'



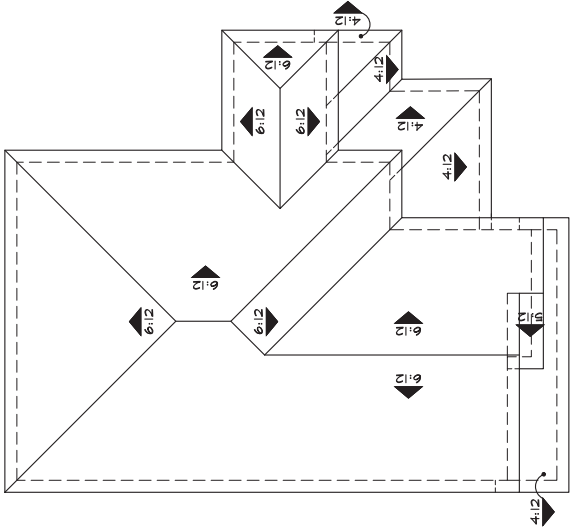
First Floor Plan 'C'



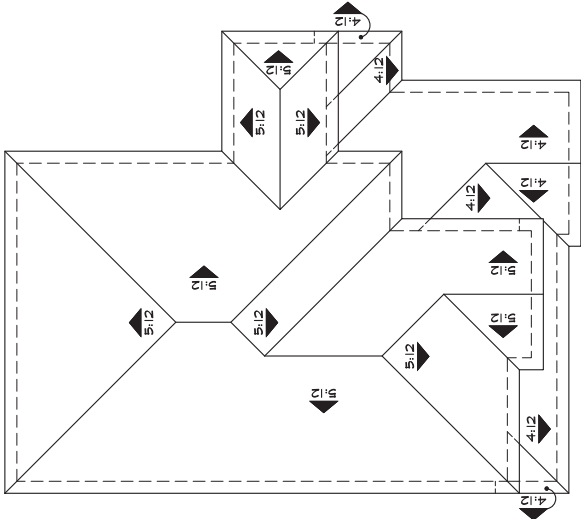
First Floor Plan 'B'



'A'

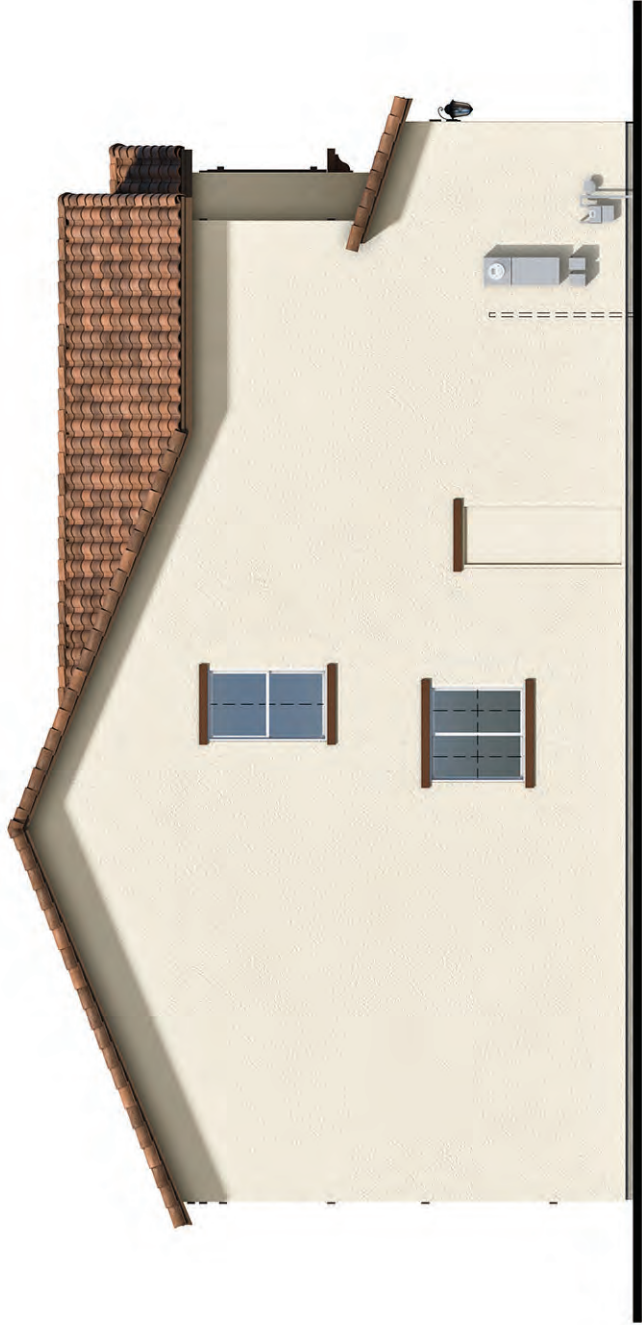


'B'



'C'

Roof Plans



Left Elevation 'A'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'



Front Elevation 'A' - Spanish



Rear Elevation 'A'

B65



Left Elevation 'B'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENTRANCED ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'B'

Front Elevation 'B' - Traditional Farmhouse



Rear Elevation 'B'

B66



Left Elevation 'C'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS

Front Elevation 'C' - Contemporary Farmhouse

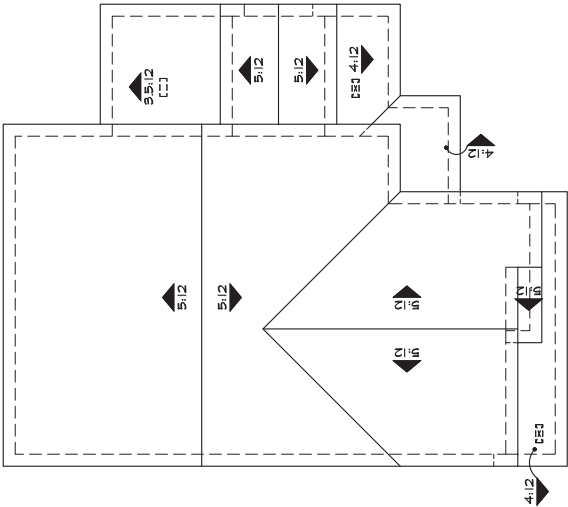


Right Elevation 'C'

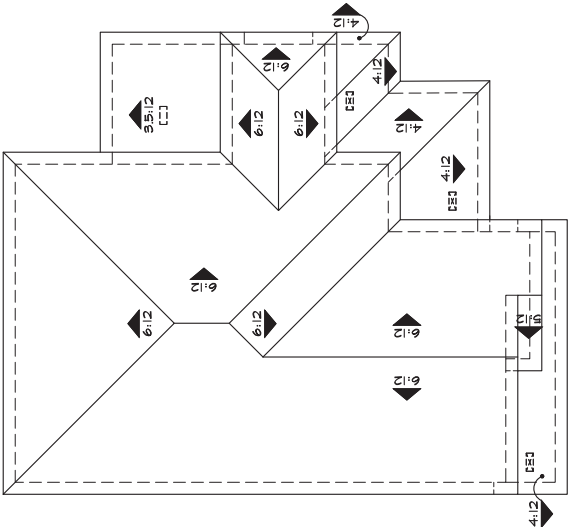


Rear Elevation 'C'

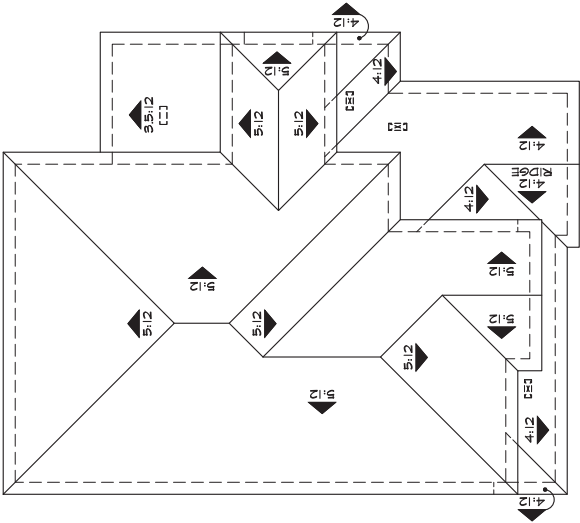
B67



'A'

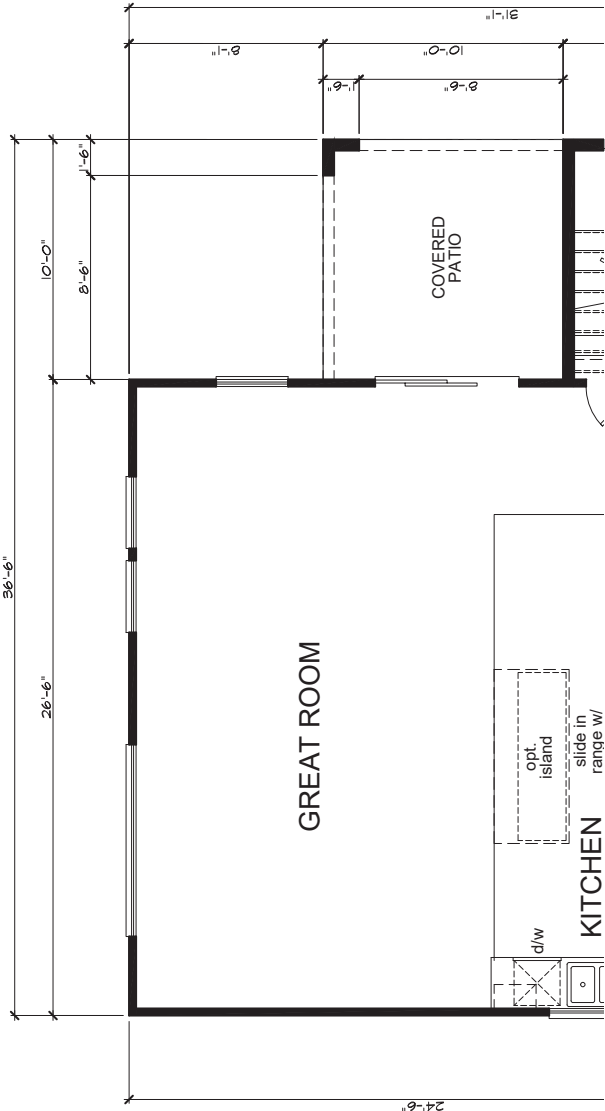


'B'



'C'

Roof Plans
at Covered Patio



Partial Floor Plan
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'



Rear Elevation 'A'

Elevations
at Covered Patio



Partial Right Elevation 'A'



Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Covered Patio

ELEVATION LEGEND

- 1

CONCRETE 'S' TILE ROOFING
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE
- 23

CONCRETE FLAT TILE ROOFING(SHAKE)
- 24

DECORATIVE RECESSED ELEMENT
- 25

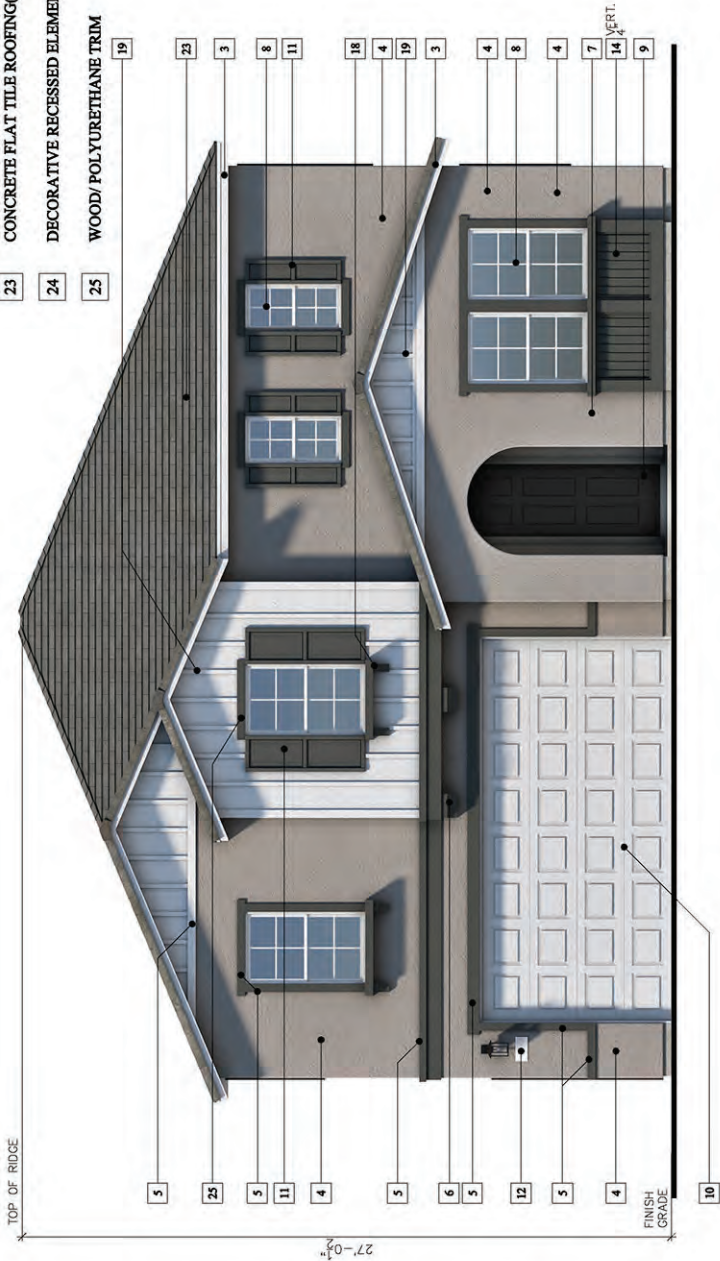
WOOD/ POLYURETHANE TRIM



Elevation 'A' (Spanish)

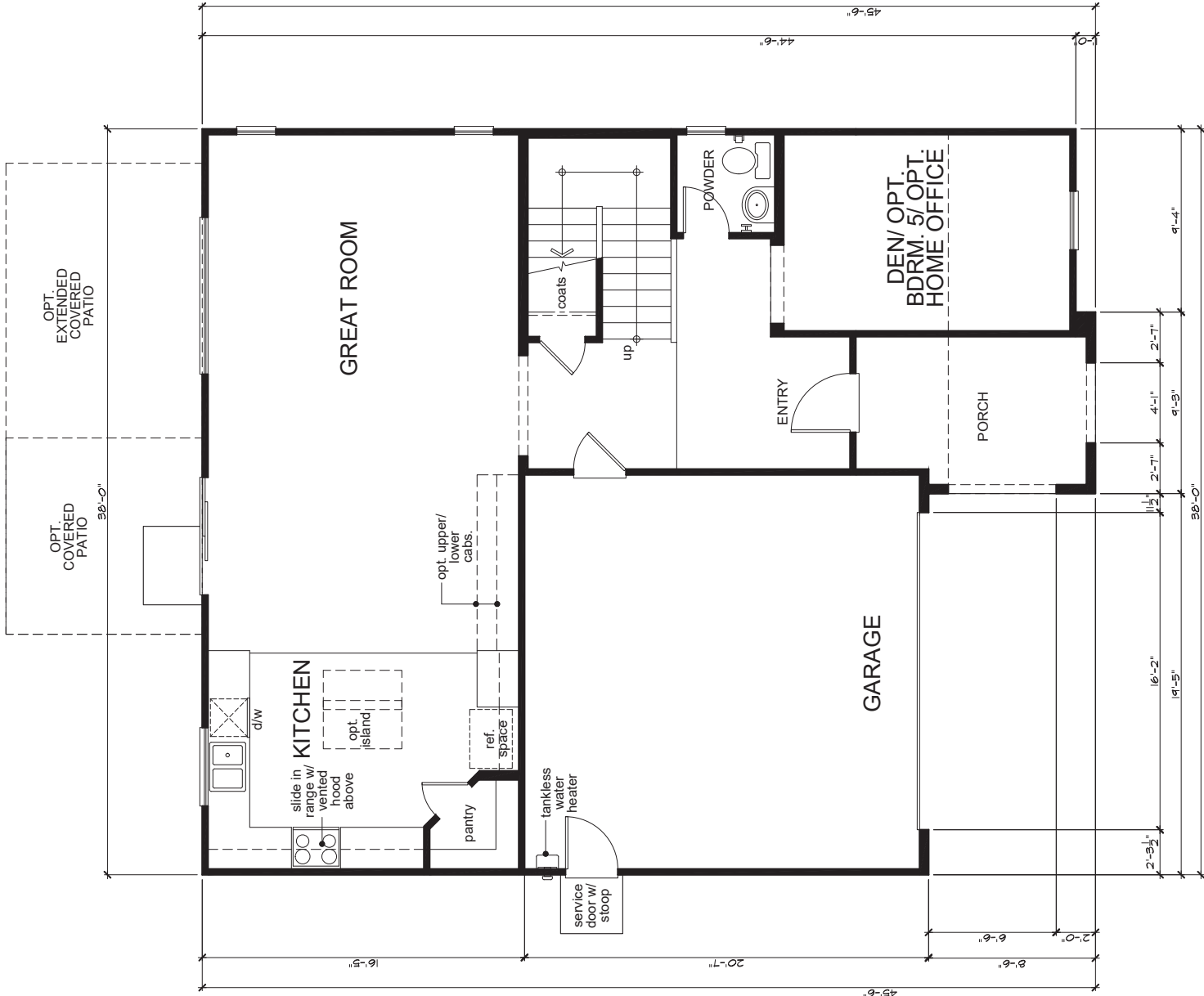
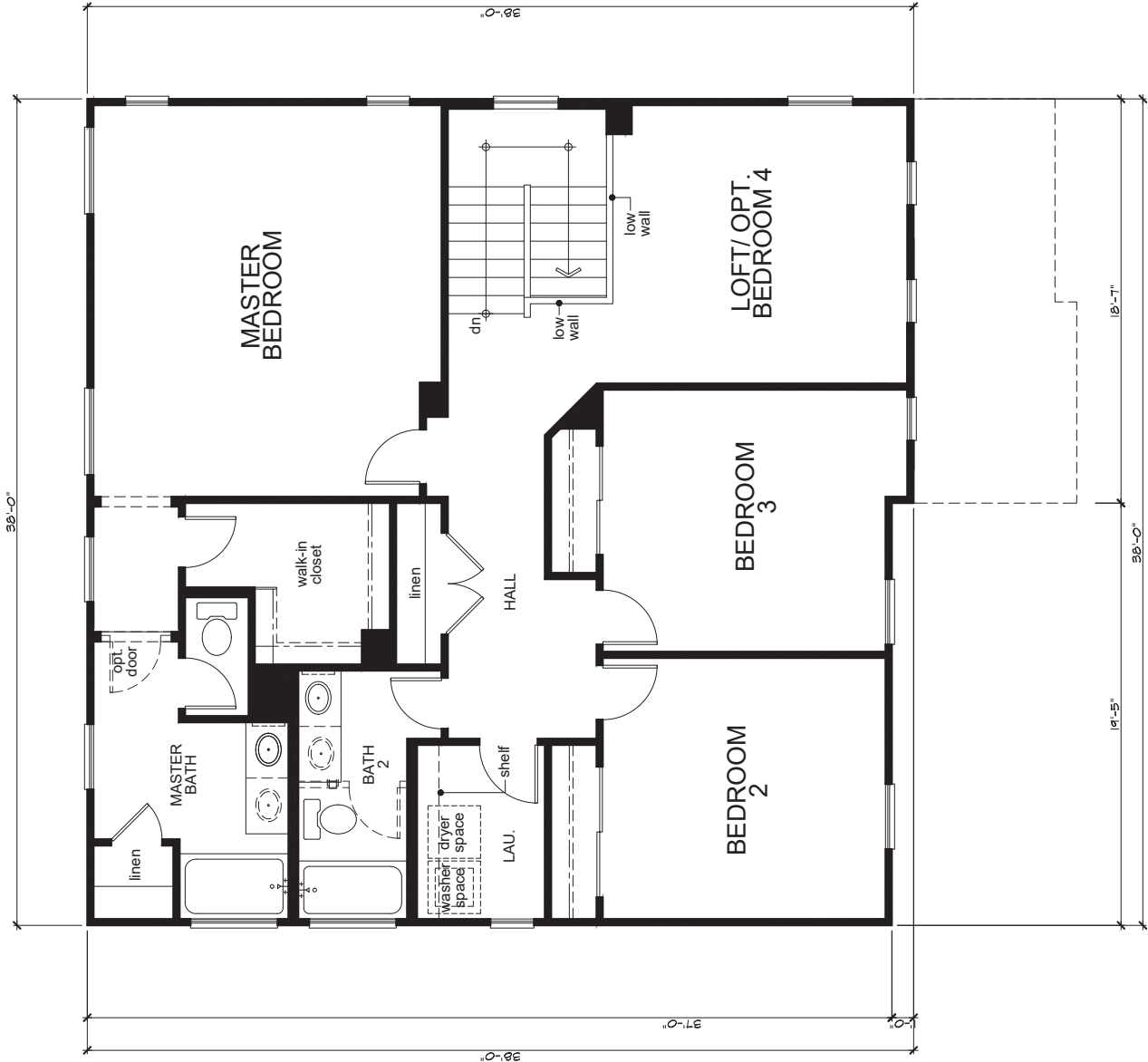


Elevation 'B' (Traditional Farmhouse)



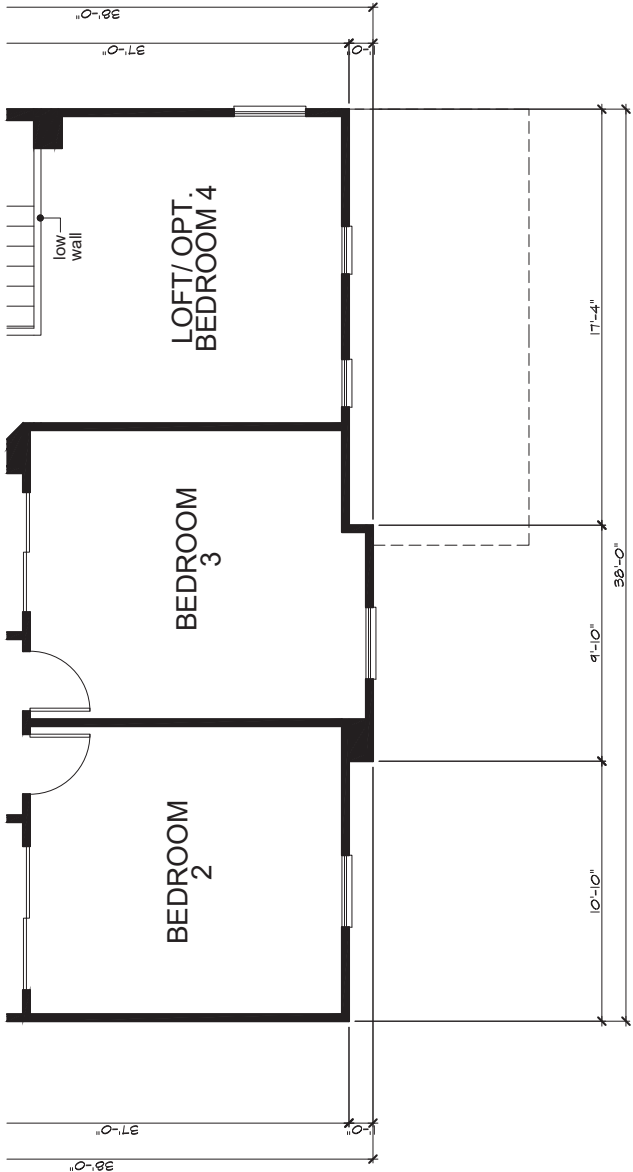
Elevation 'C' (Contemporary Farmhouse)

Second Floor Plan 'A'

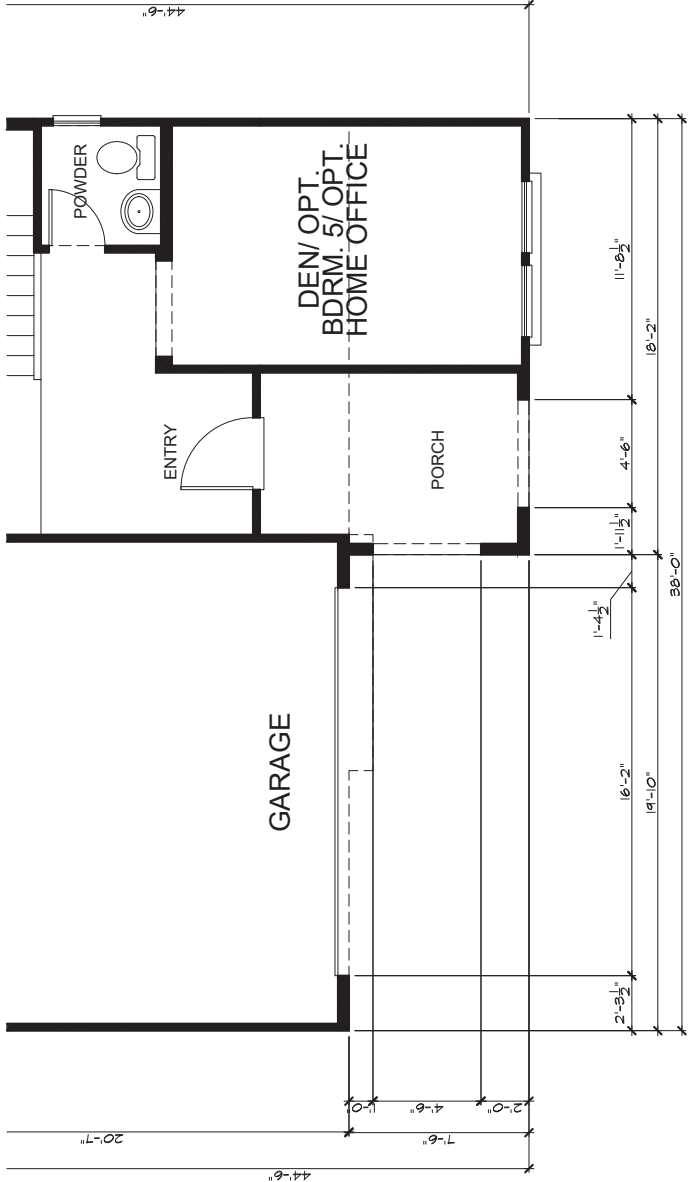


SQUARE FOOTAGE				
PLAN 2382381				
	A'	B'	C'	
FIRST FLOOR AREA	1040	1040	1040	50 FT.
SECOND FLOOR AREA	1341	1346	1352	50 FT.
TOTAL AREA	2381	2386	2392	50 FT.
GARAGE AREA	420	420	420	50 FT.
PORCH AREA	179	84	43	50 FT.
OPTS. COVERED PATIO	100	100	100	50 FT.
ENLARGED COVERED PATIO	240	240	240	50 FT.

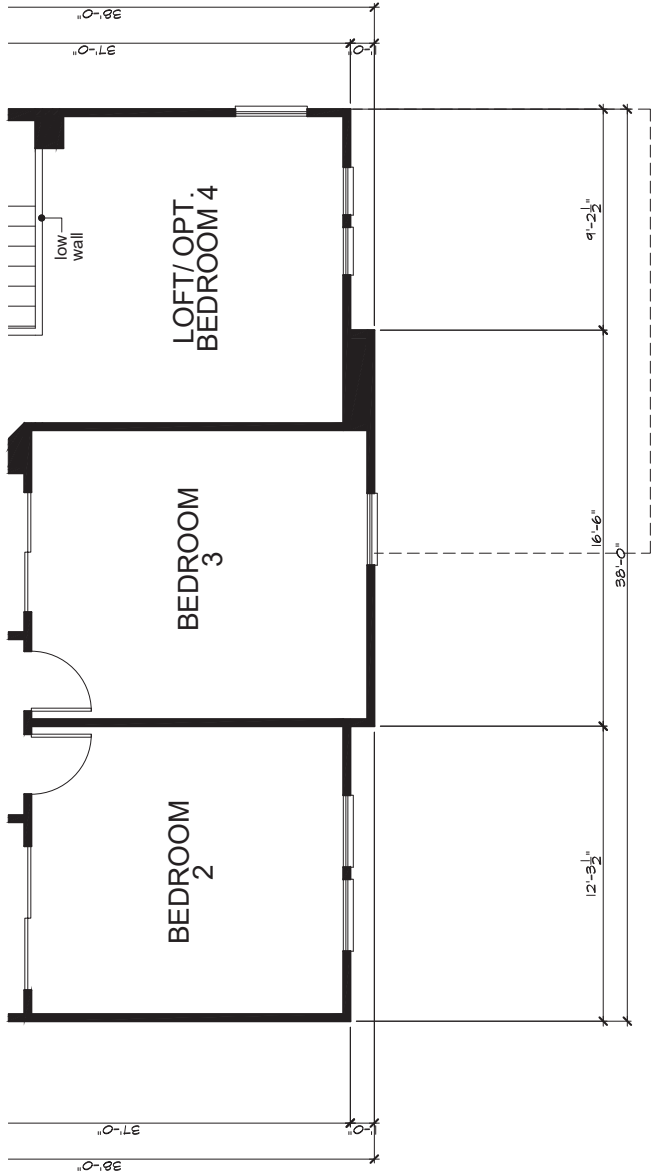
First Floor Plan 'A'



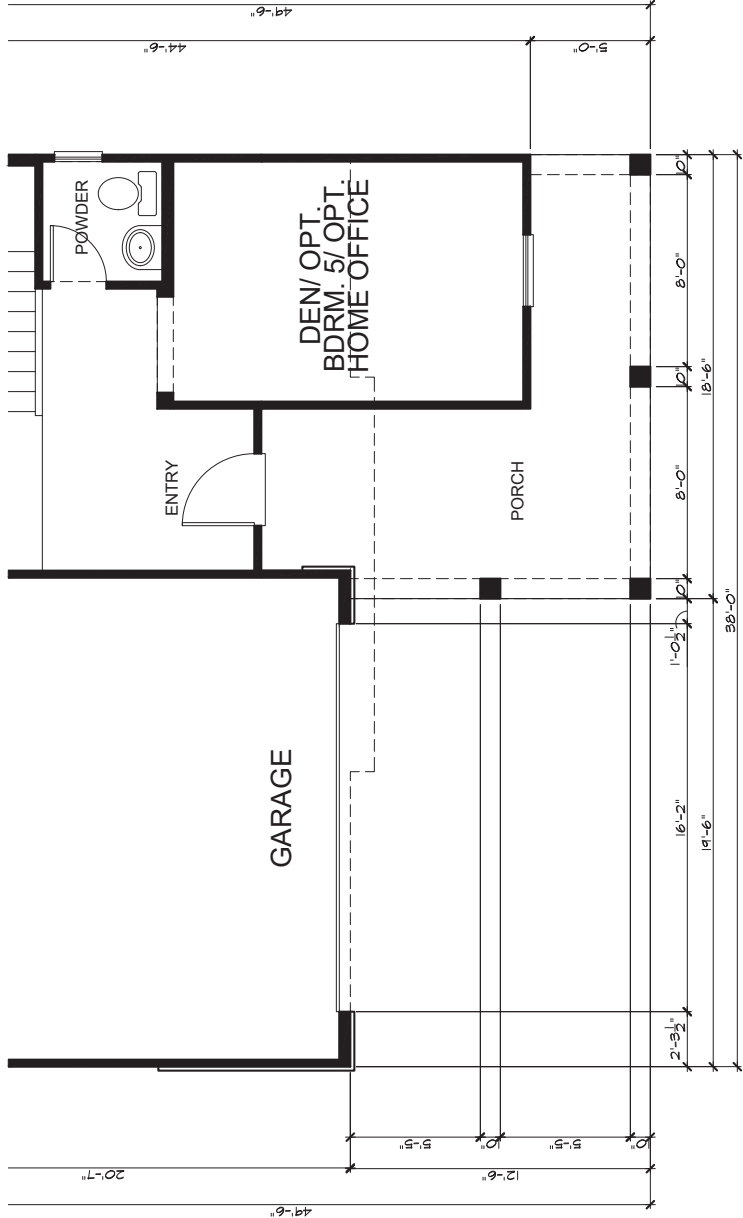
Second Floor Plan 'C'



First Floor Plan 'C'



Second Floor Plan 'B'



First Floor Plan 'B'

B73

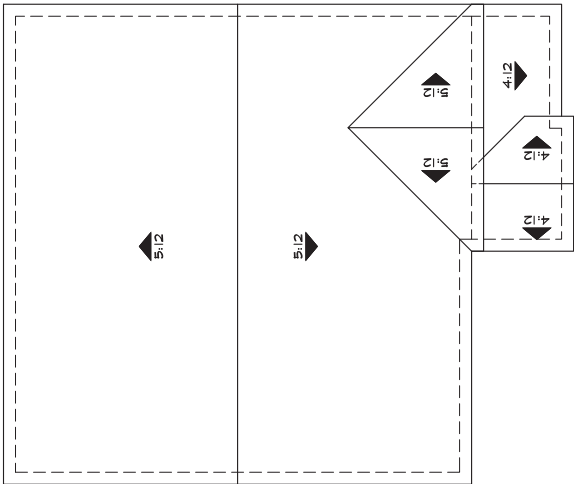


KB Home North Bay
4830 Business Center Drive Suite 150
Fairfield, CA 94534
(707) 389-7500

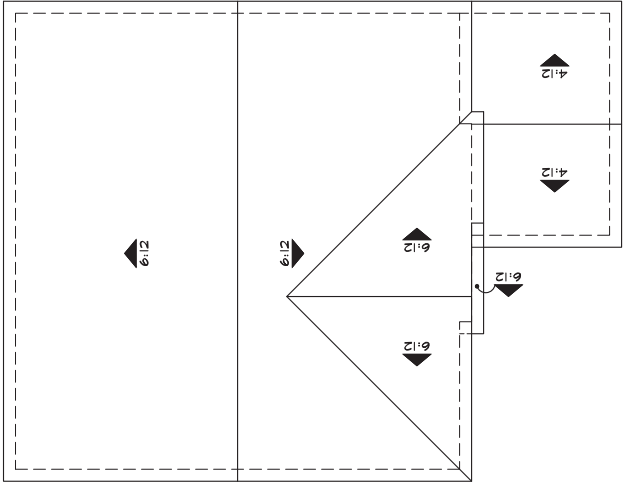
ANTIOCH, CA.

LAUREL RANCH SFD

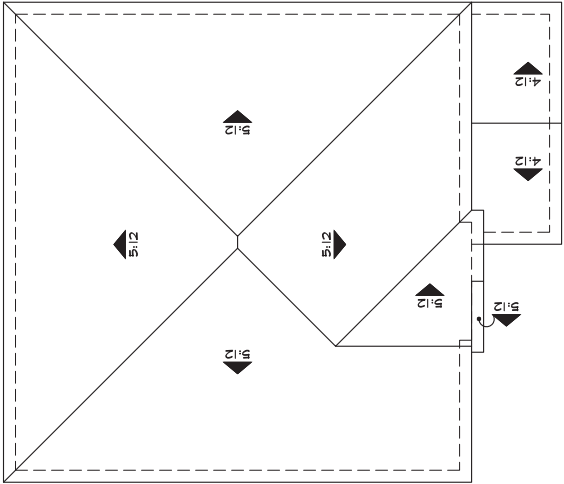
PLAN No. : 238.2381
JOB No. : 640999_81
STORY: 2-STORY
September 23, 2021



'A'



'B'



'C'

Roof Plans



Front Elevation 'A' - Spanish



Rear Elevation 'A'



Left Elevation 'A'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENVIRONMENTAL SCREENS
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'

B75



Left Elevation 'B'



Front Elevation 'B' - Traditional Farmhouse

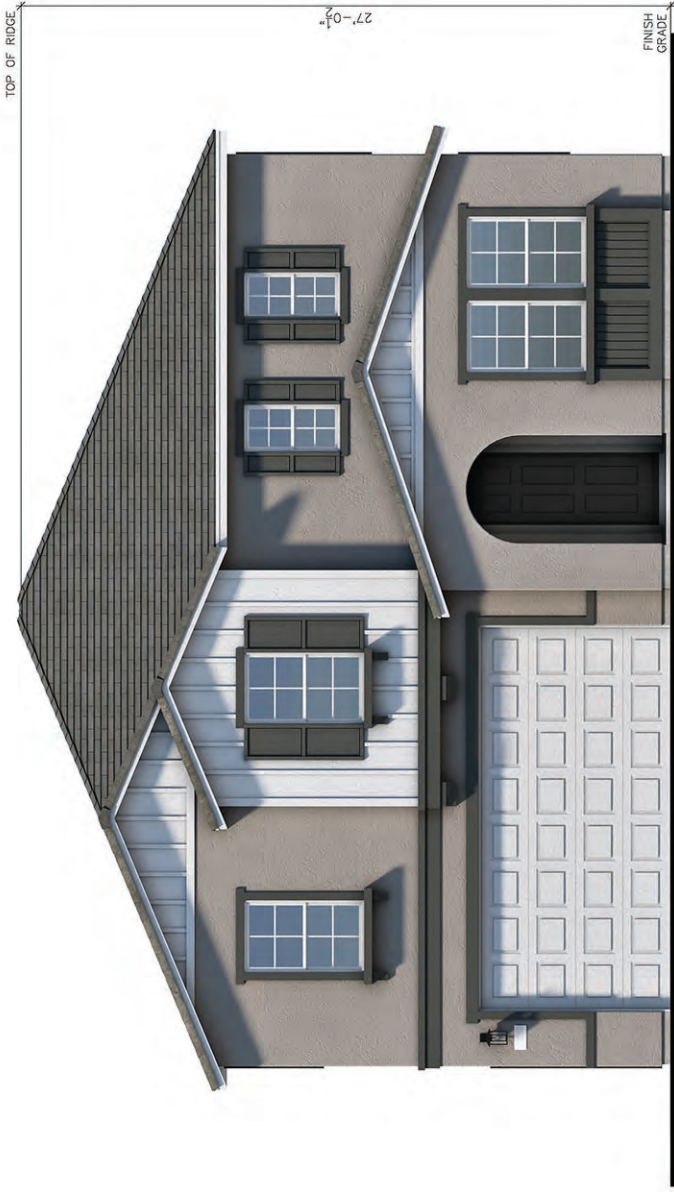


Right Elevation 'B'



Rear Elevation 'B'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENHANCED ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Front Elevation 'C' - Contemporary Farmhouse



Rear Elevation 'C'



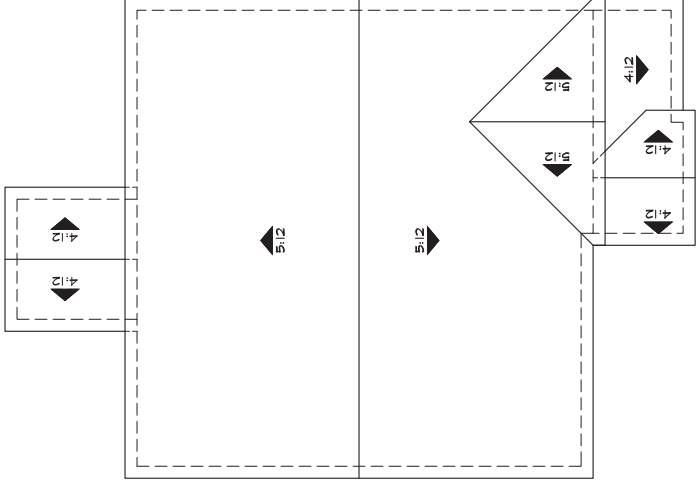
Left Elevation 'C'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENHANCED ELEVATION DETAILS
FOR STREET FACING, ALLEY OR OPEN AREAS

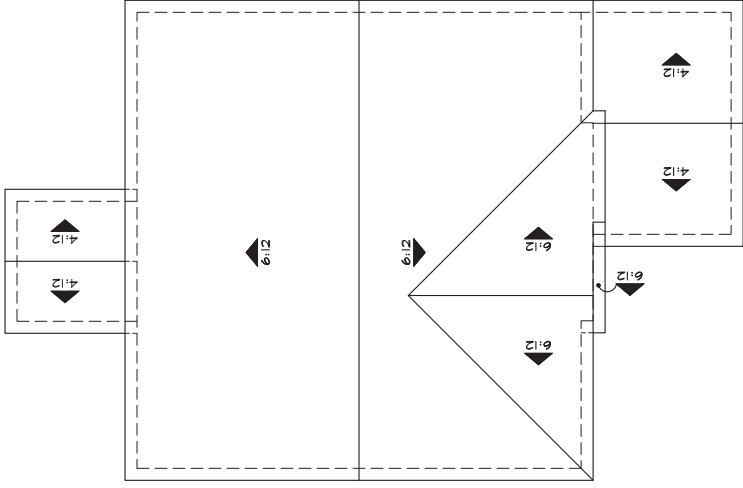


Right Elevation 'C'

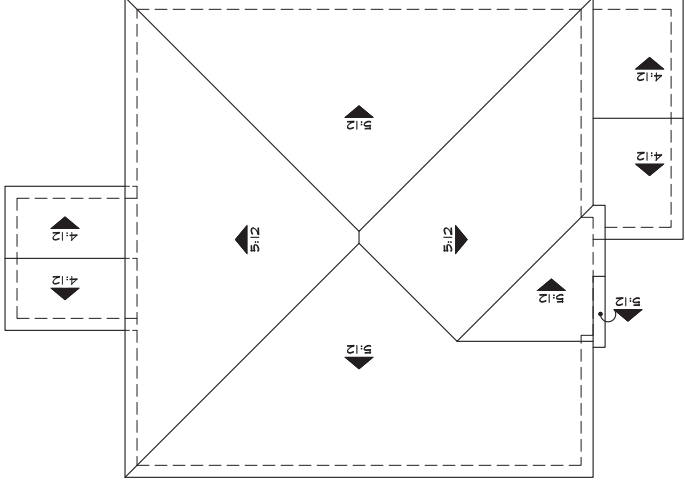
A



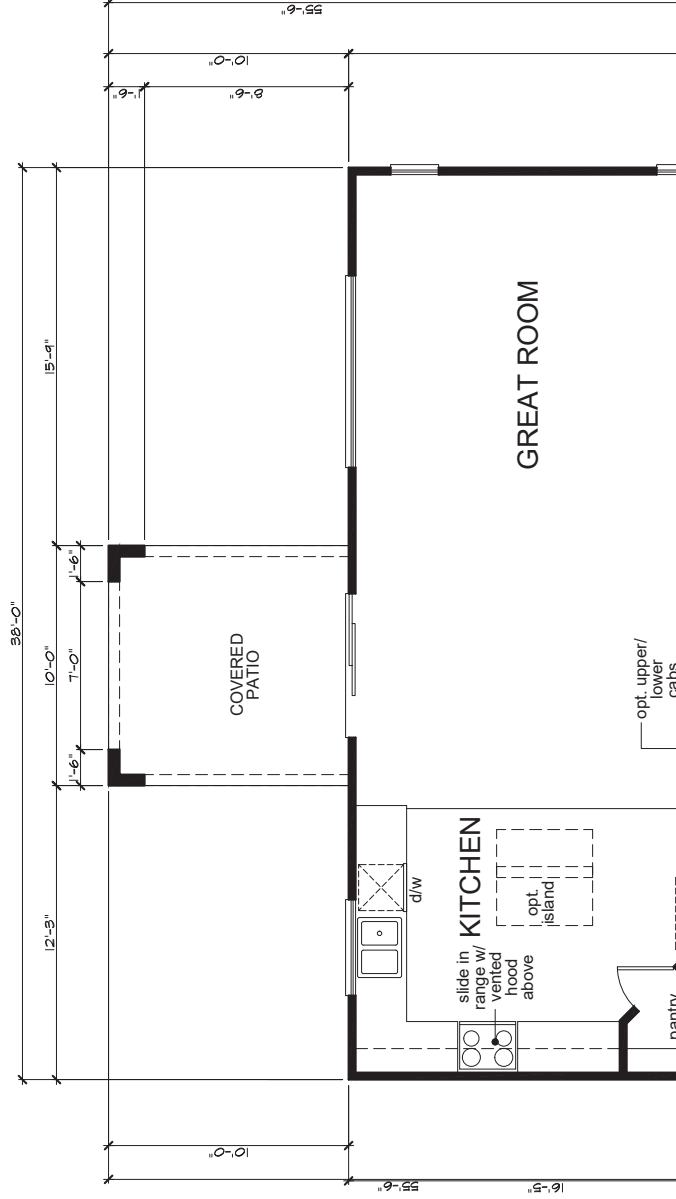
B



C



Roof Plans at Covered Patio



Partial Floor Plan at Covered Patio

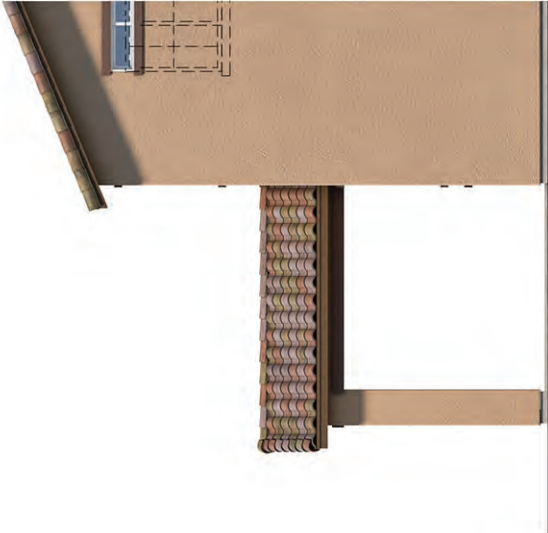
NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'



Rear Elevation 'A'



Partial Left Elevation 'A'

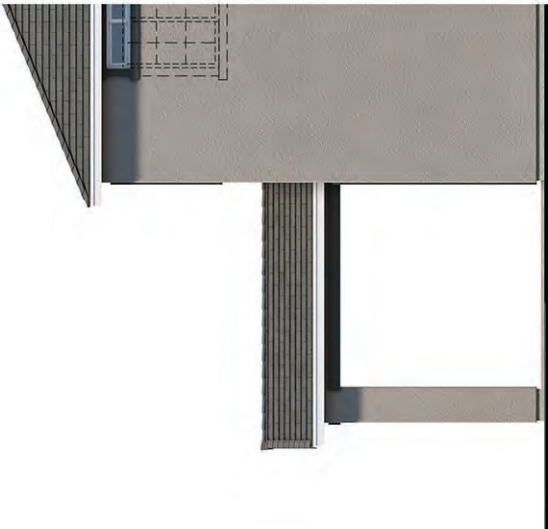
Elevations
at Covered Patio



Partial Right Elevation 'A'

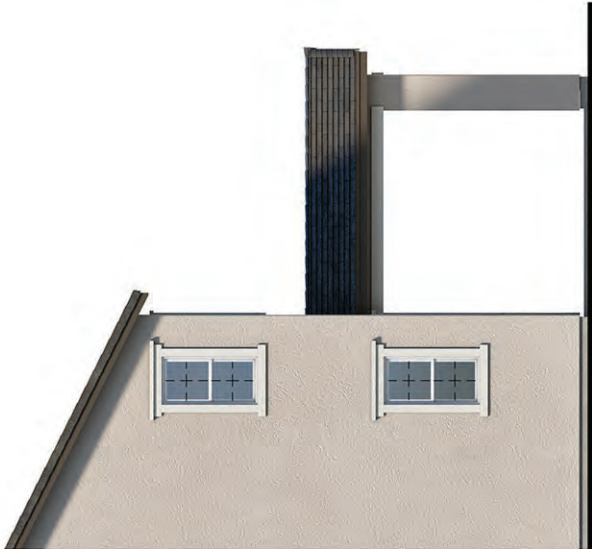


Rear Elevation 'C'

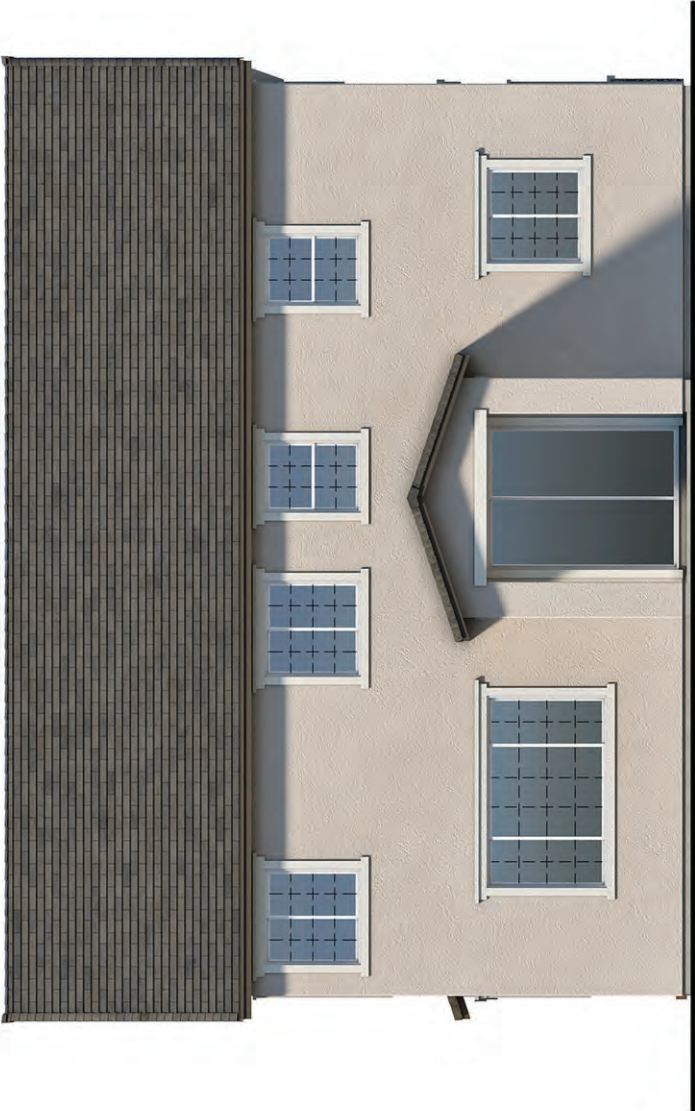


Partial Left Elevation

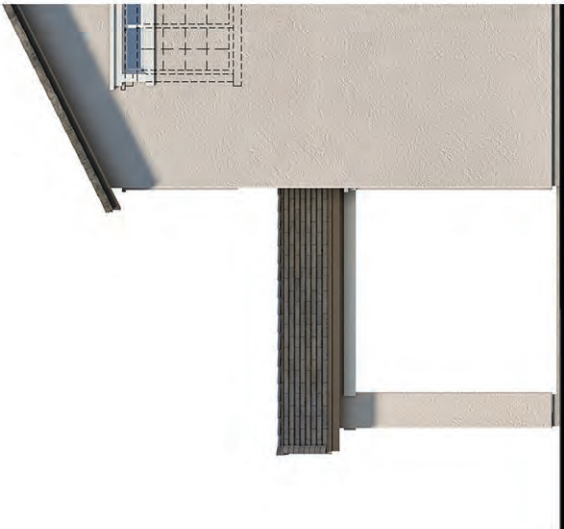
NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'

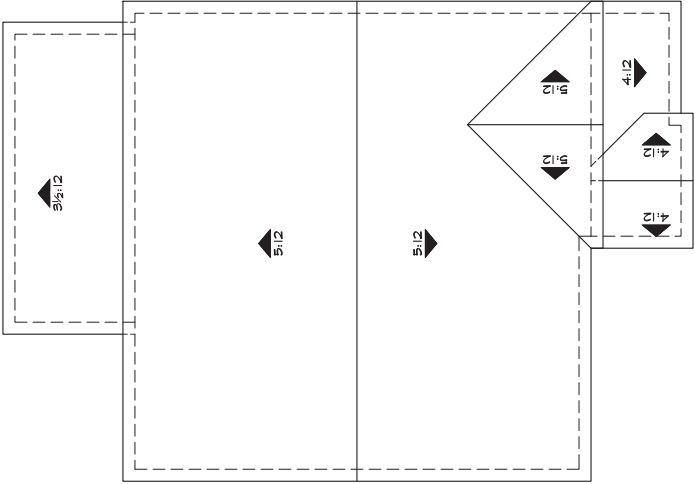


Rear Elevation 'B'

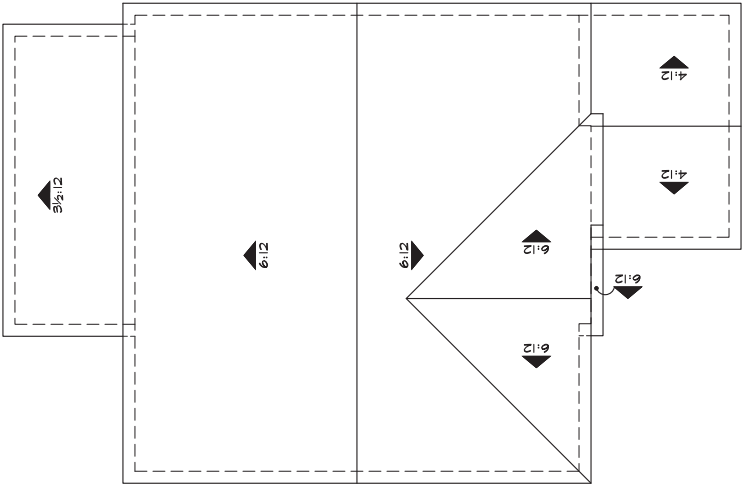


Partial Left Elevation 'B'

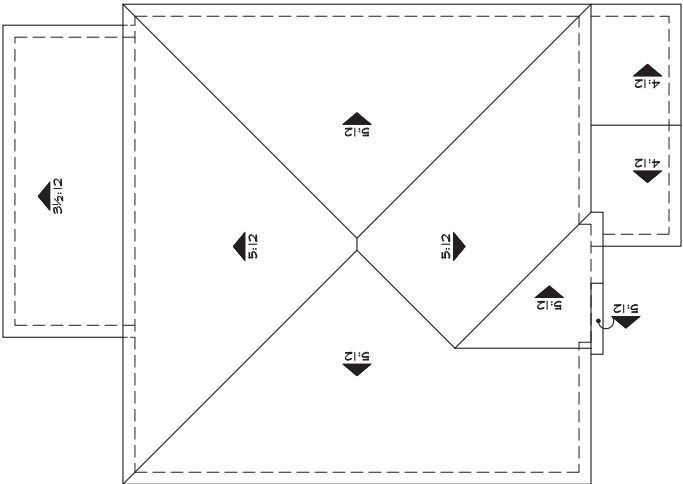
Elevations
at Covered Patio



'A'

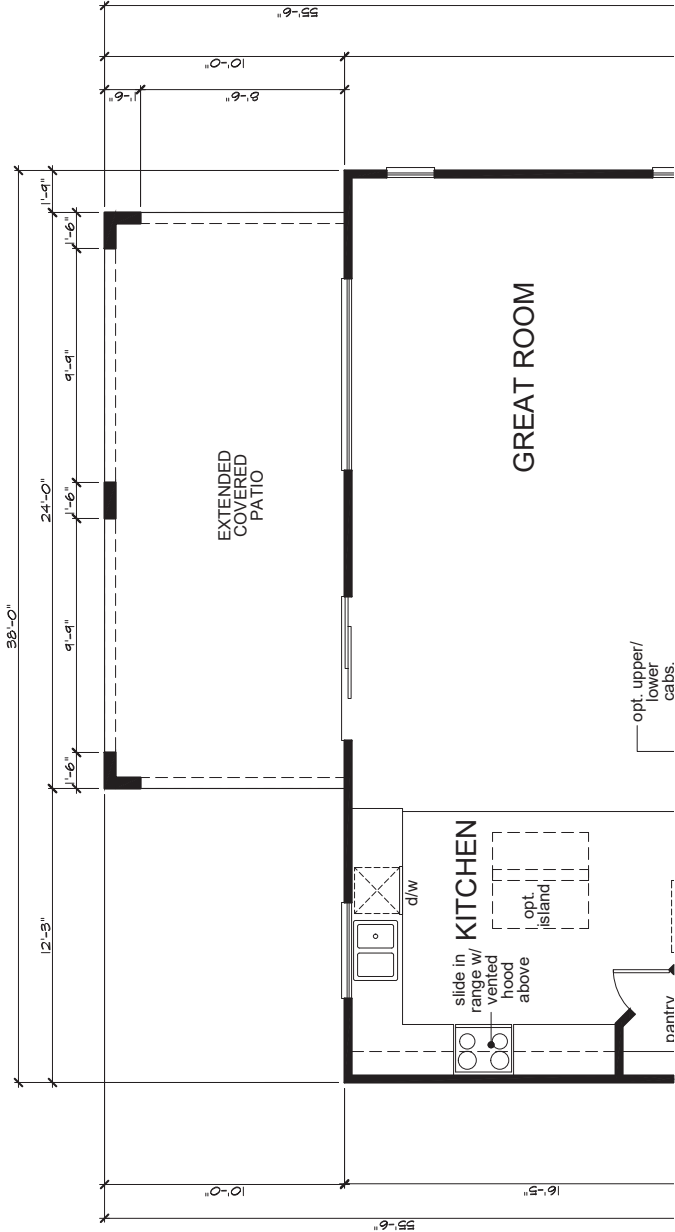


'B'



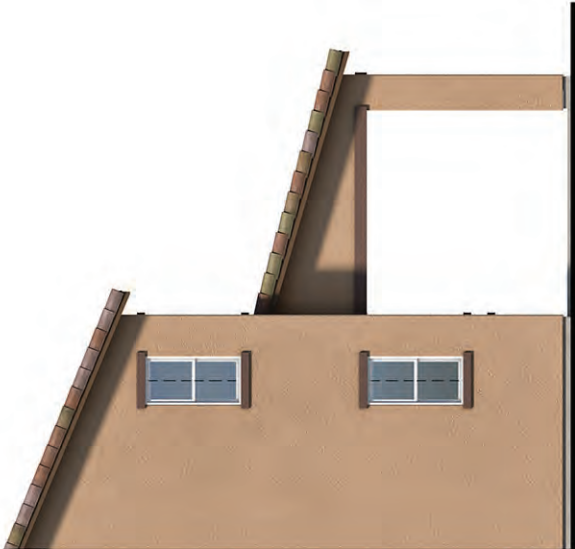
'C'

Roof Plans
at Extended Covered Patio

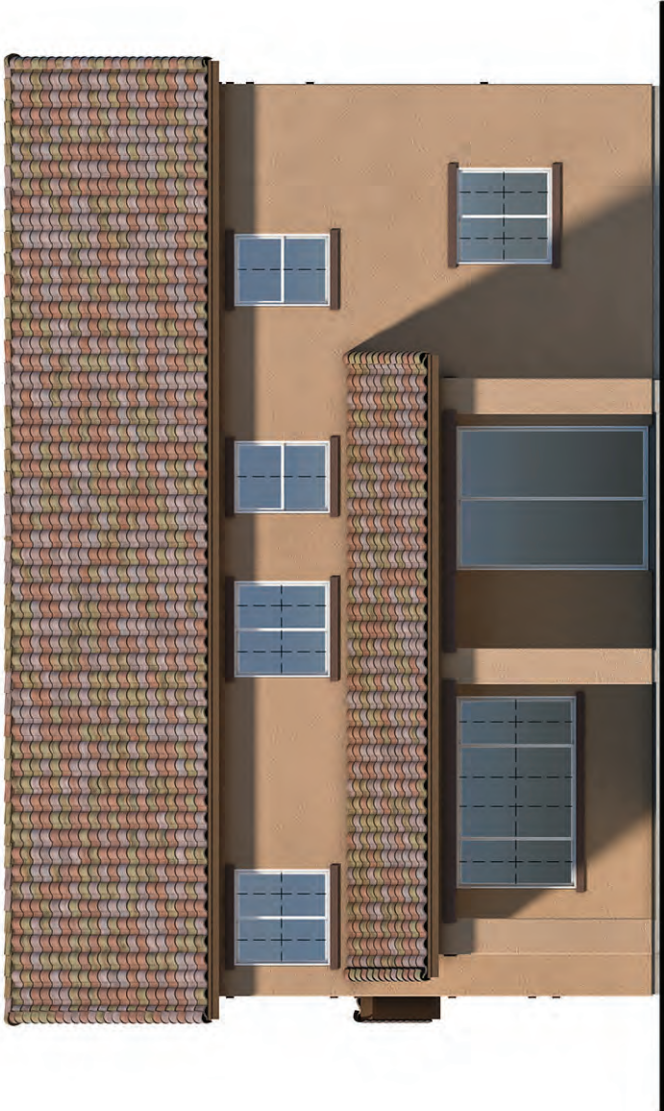


Partial Floor Plan
at Extended Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'



Rear Elevation 'A'



Partial Left Elevation 'A'

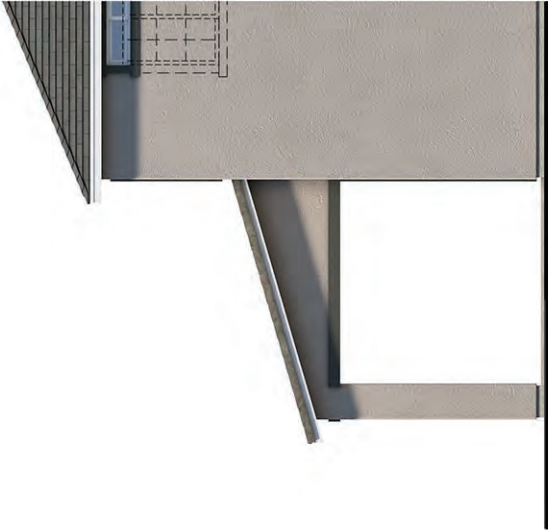
Elevations
at Extended Covered Patio



Partial Right Elevation 'A'



Rear Elevation 'C'

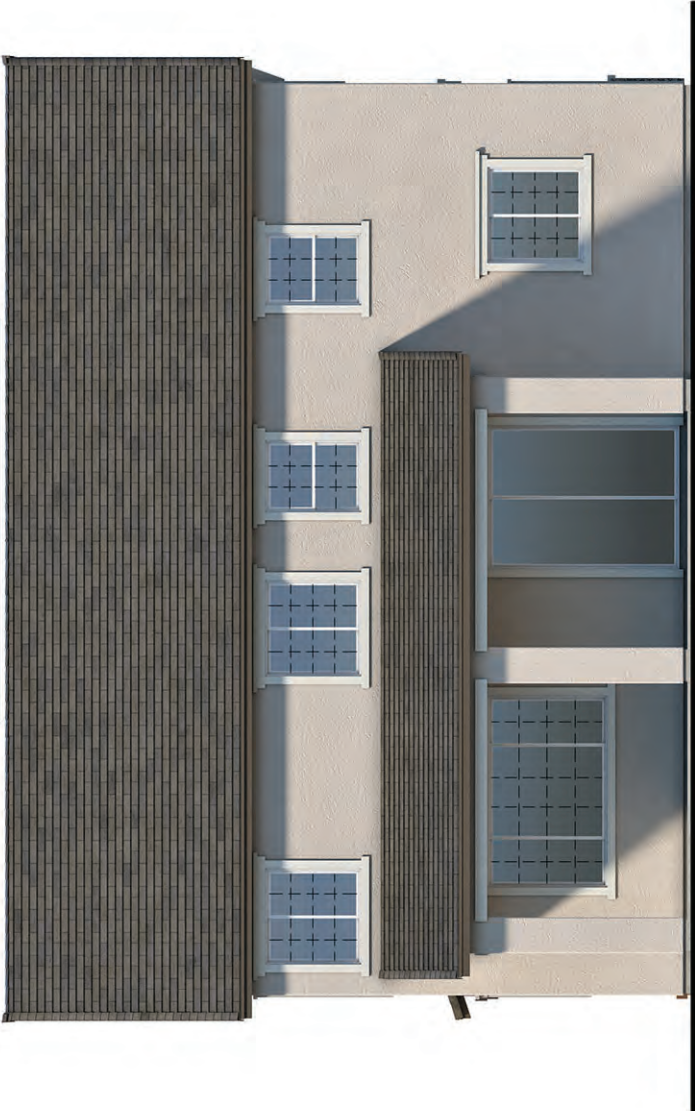


Partial Left Elevation

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'B'



Rear Elevation 'B'



Partial Left Elevation 'B'

Elevations
at Extended Covered Patio

ELEVATION LEGEND

- 1

CONCRETE 'S' TILE ROOFING
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE
- 23

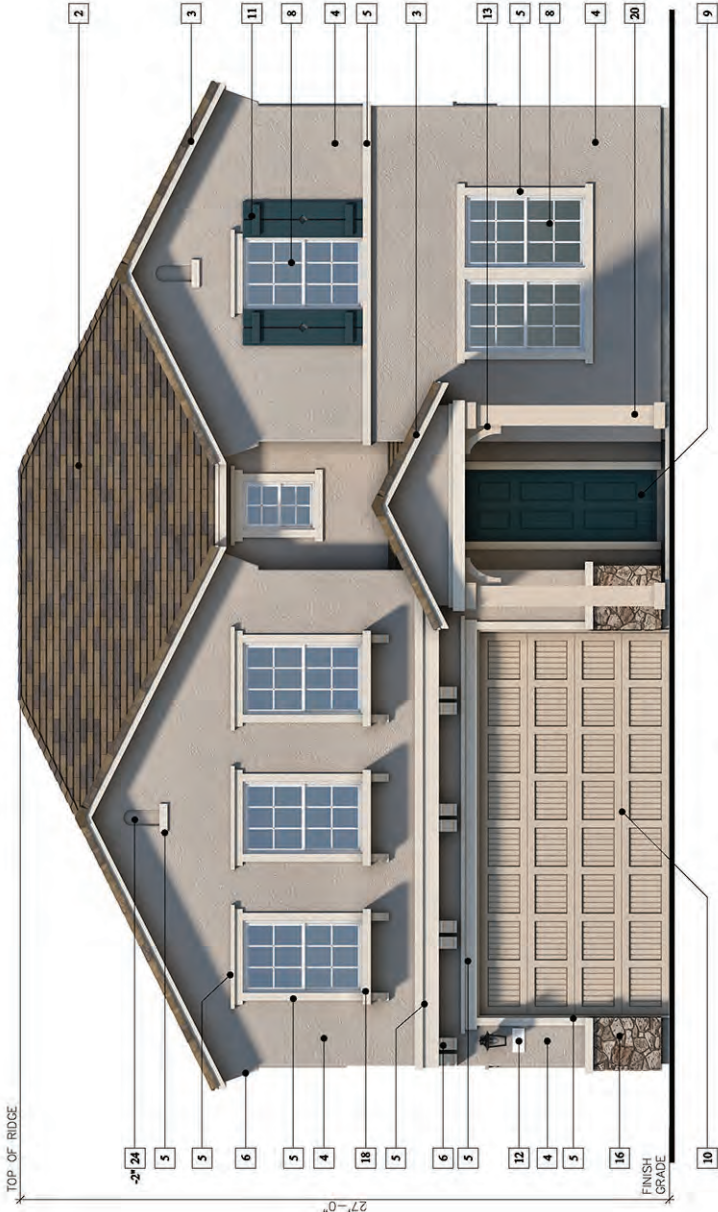
CONCRETE FLAT TILE ROOFING(SHAKE)
- 24

DECORATIVE RECESSED ELEMENT
- 25

WOOD/ POLYURETHANE TRIM



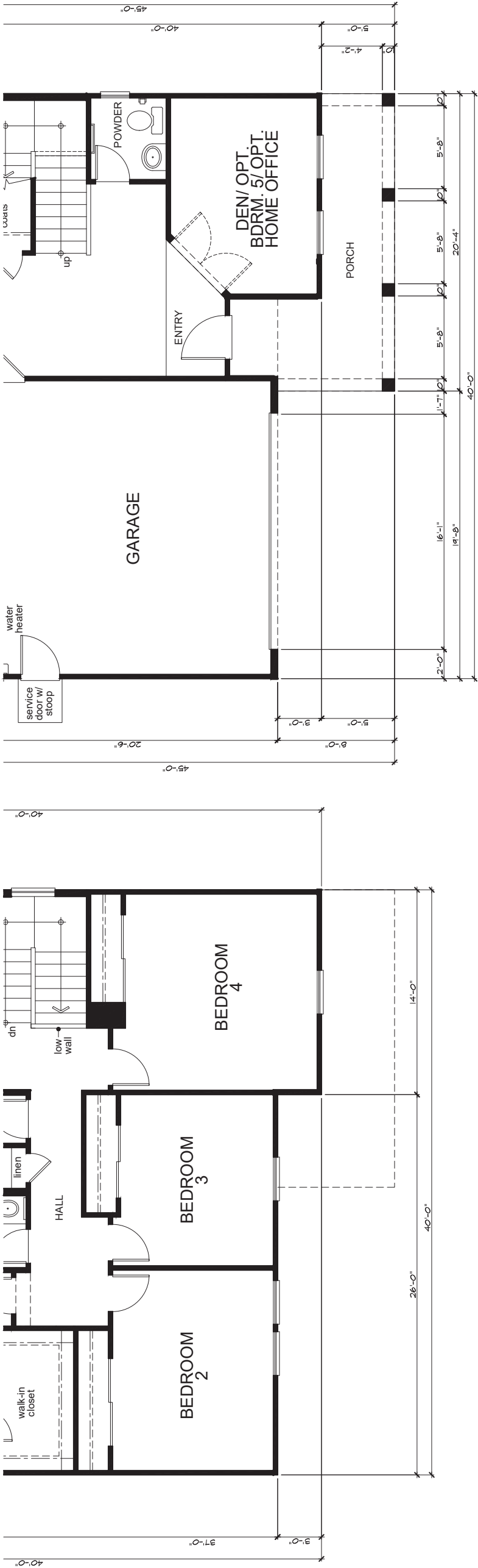
Elevation 'A' (Spanish)



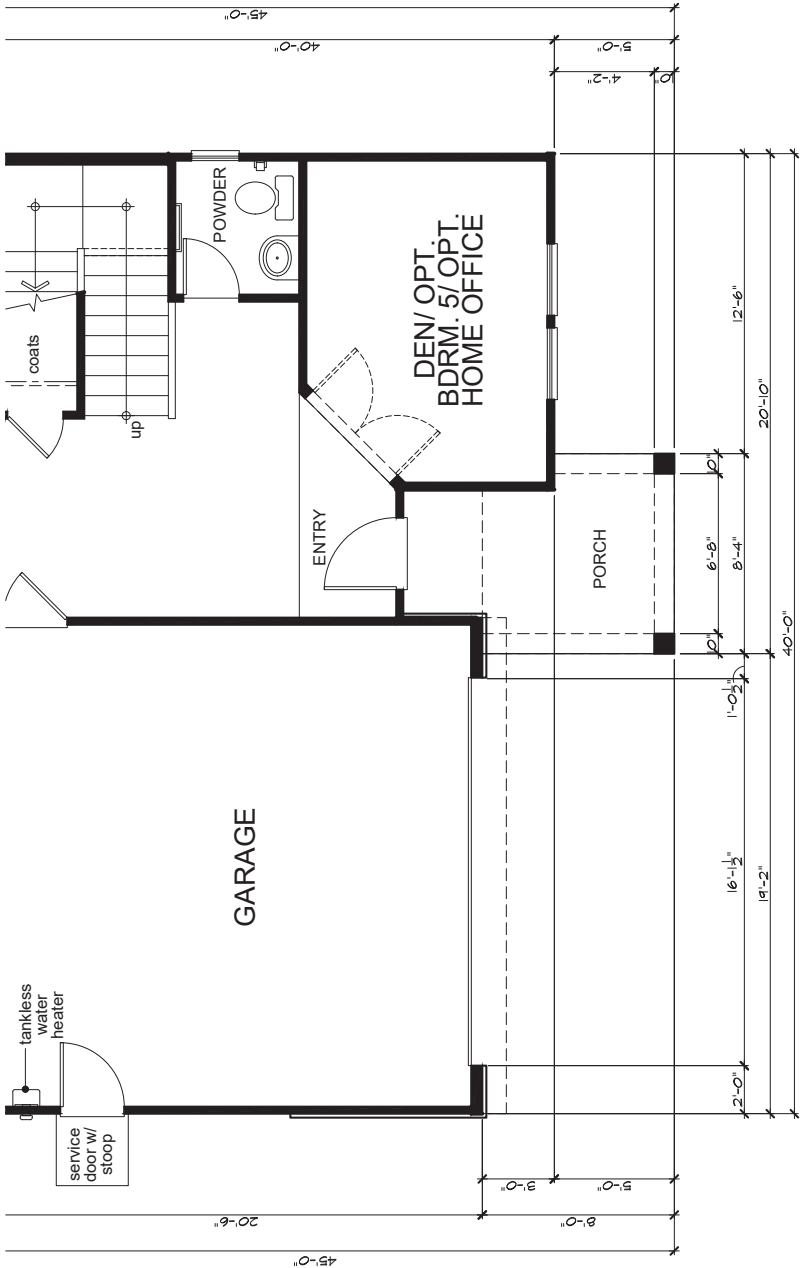
Elevation 'B' (Traditional Farmhouse)



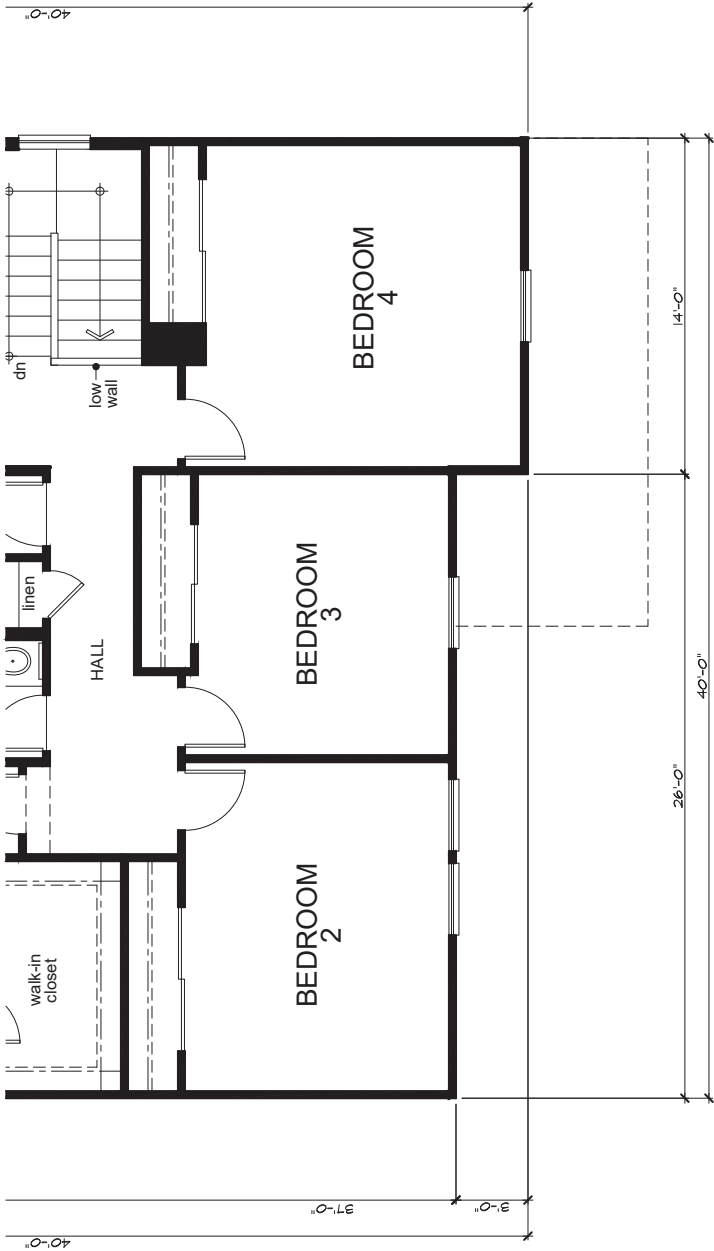
Elevation 'C' (Contemporary Farmhouse)



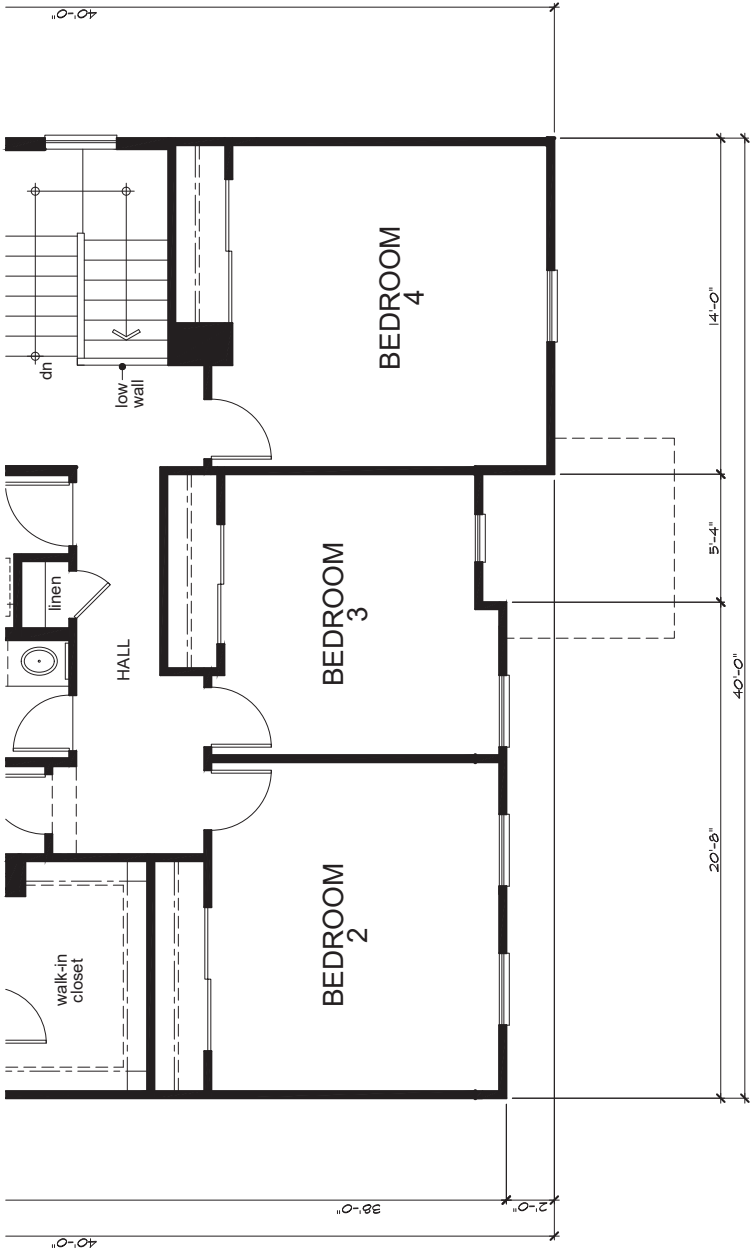
First Floor Plan 'C'



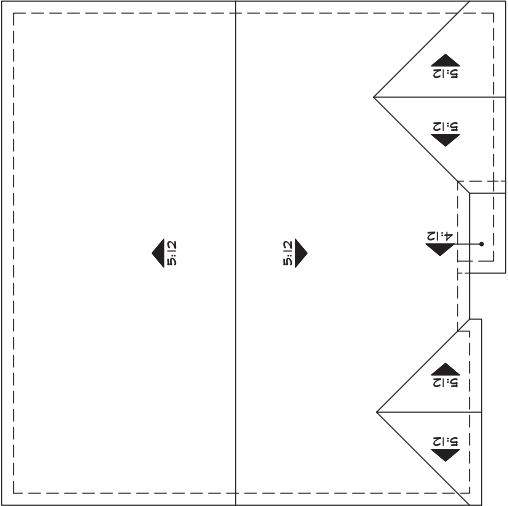
First Floor Plan 'B'



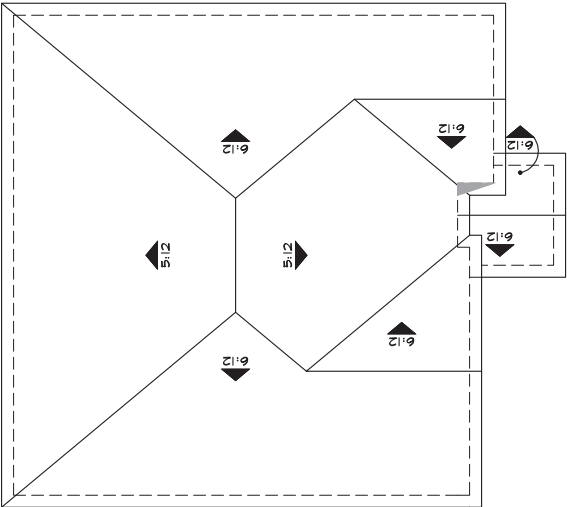
Second Floor Plan 'C'



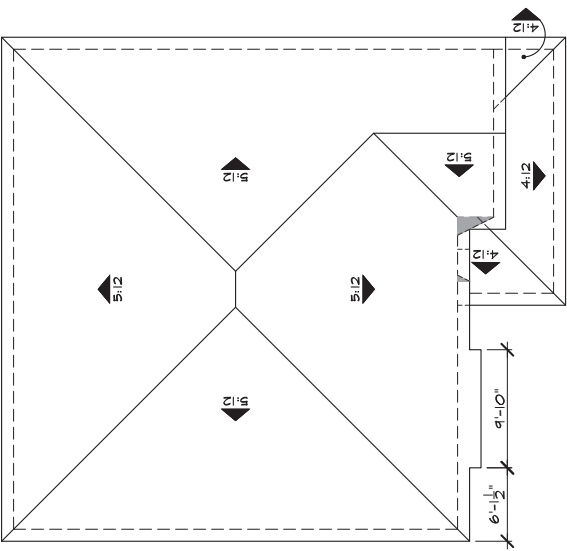
Second Floor Plan 'B'



'A'



'B'



'C'

Roof Plans



Front Elevation 'A' - Spanish



Rear Elevation 'A'



Left Elevation 'A'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENTIRE ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'



Left Elevation 'B'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR EXTERIOR ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'B'



Front Elevation 'B' - Traditional Farmhouse



Rear Elevation 'B'

B89



Left Elevation 'C'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS



Front Elevation 'C' - Contemporary Farmhouse

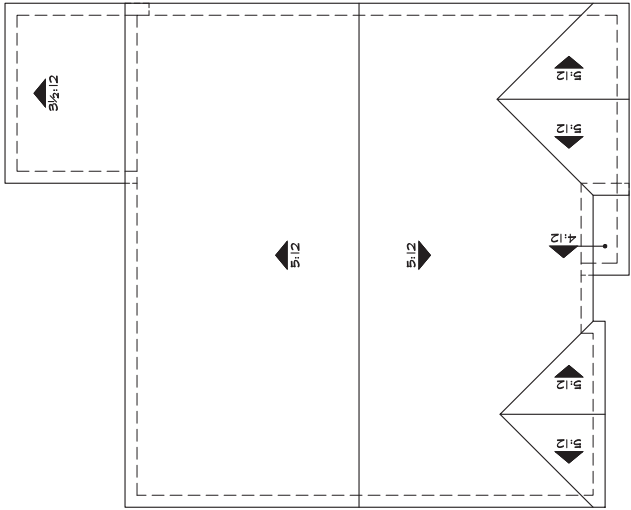


Right Elevation 'C'

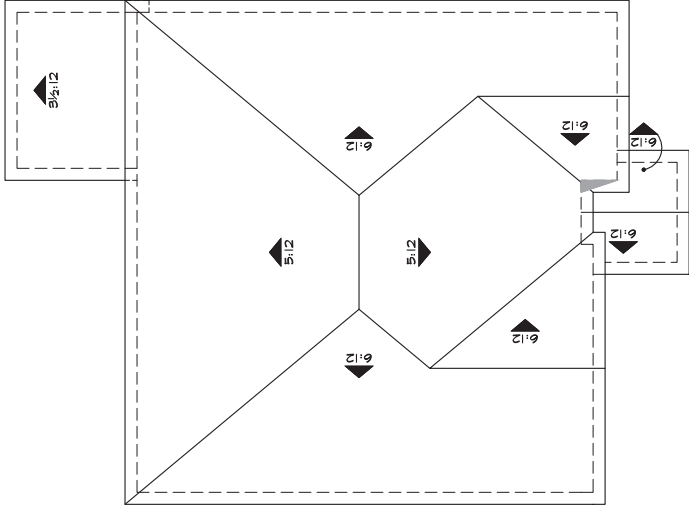


Rear Elevation 'C'

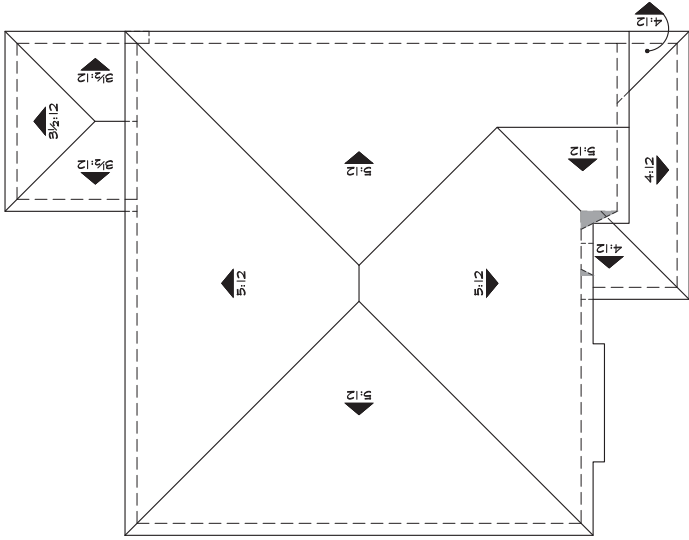
B90



'A'

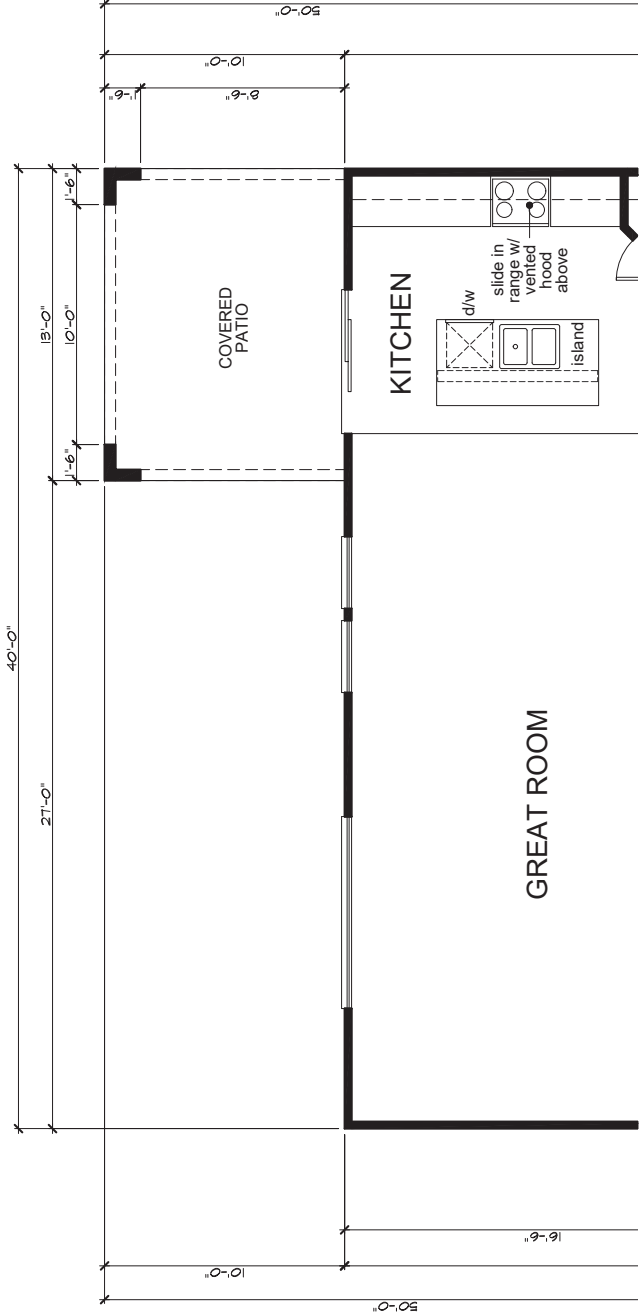


'B'



'C'

Roof Plans
at Covered Patio



Partial Floor Plan
at Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'

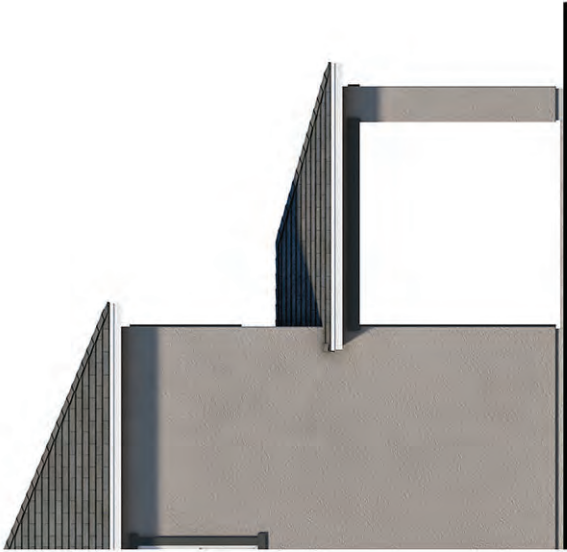


Rear Elevation 'A'



Partial Left Elevation 'A'

Elevations
at Covered Patio



Partial Right Elevation 'A'

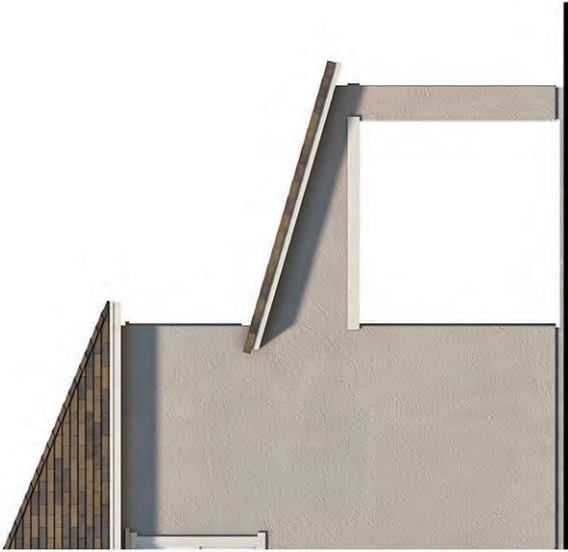


Rear Elevation 'C'



Partial Left Elevation

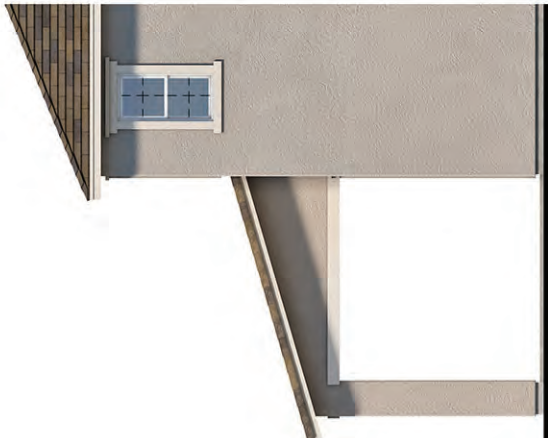
NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET PAVING, ALLEY OR POOL AREAS



Partial Right Elevation 'B'

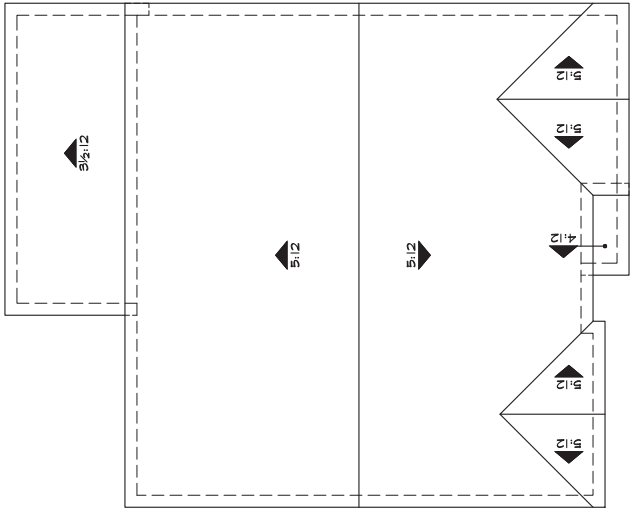


Rear Elevation 'B'

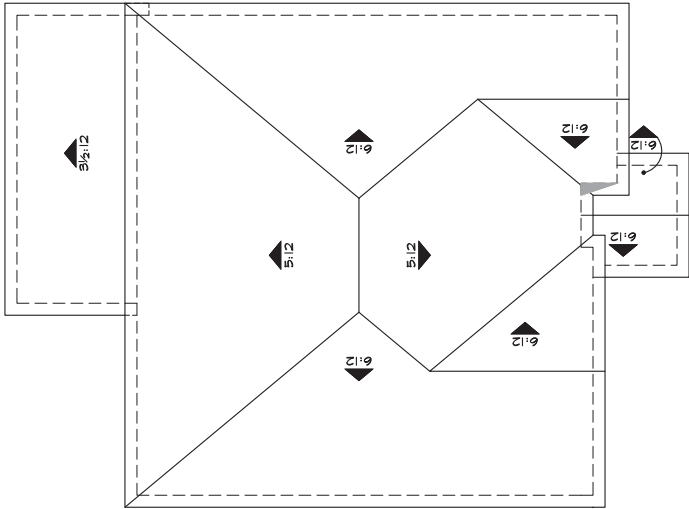


Partial Left Elevation 'B'

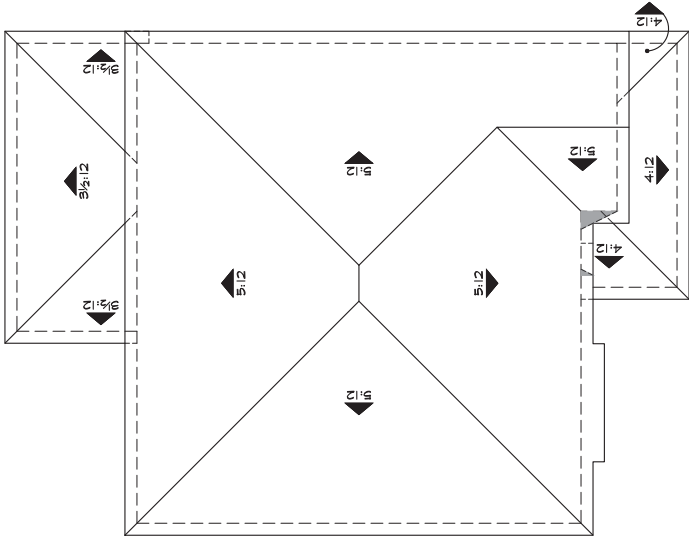
Elevations
at Covered Patio



'A'

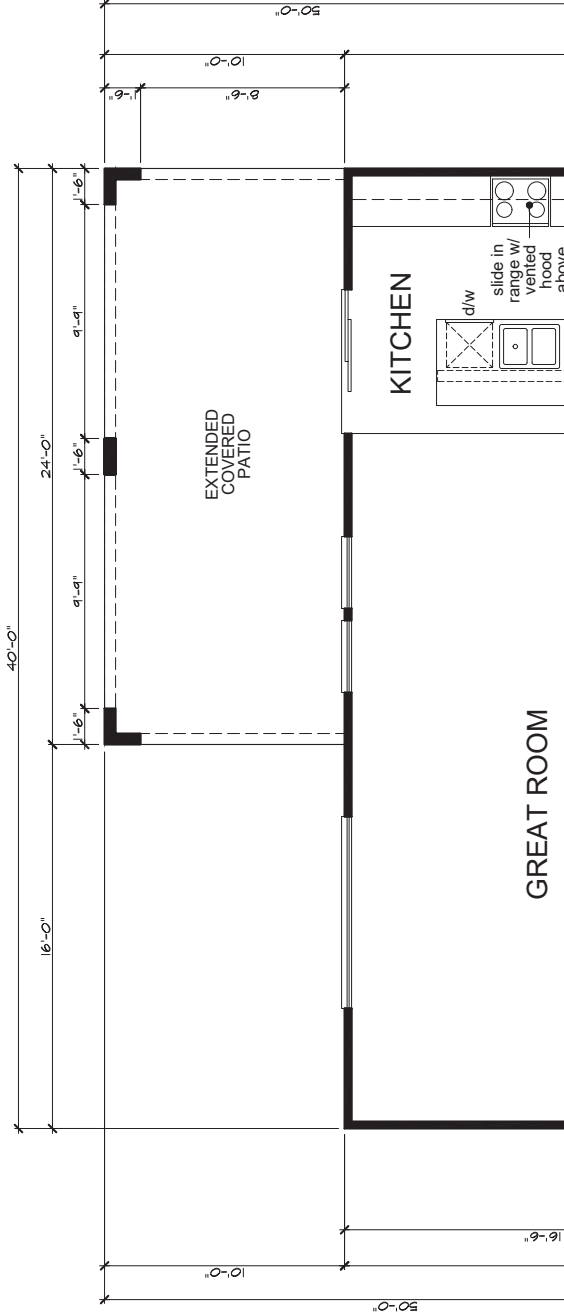


'B'



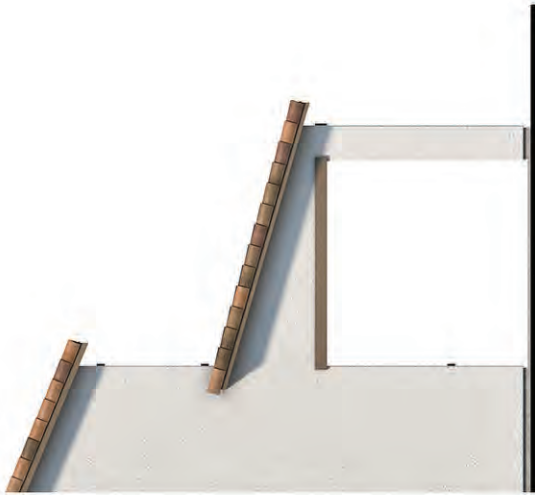
'C'

Roof Plans
at Extended Covered Patio



Partial Floor Plan
at Extended Covered Patio

NOTE
ALL WINDOW GRID AND GABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Right Elevation 'A'

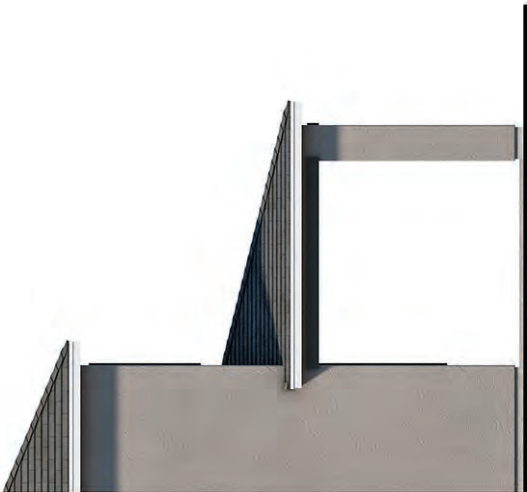


Rear Elevation 'A'

Elevations
at Extended Covered Patio



Partial Left Elevation 'A'



Partial Right Elevation 'A'

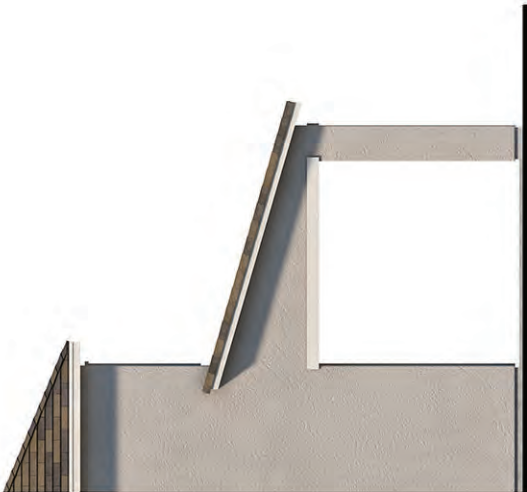


Rear Elevation 'C'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENHANCED ELEVATIONS DASHED-IN
FOR STREET FACING, ALLEY OR OPEN AREAS



Partial Left Elevation



Partial Right Elevation 'B'



Rear Elevation 'B'

Elevations
at Extended Covered Patio



Partial Left Elevation 'B'

ELEVATION LEGEND

- 1

CONCRETE 'S' TILE ROOFING
- 2

CONCRETE FLAT TILE ROOFING(SLATE)
- 3

WOOD FASCIA BOARD
- 4

STUCCO FINISH
- 5

STUCCO OVER FOAM TRIM
- 6

STUCCO OVER FOAM CORBELS/SHAPED FOAM TRIM
- 7

DECORATIVE STUCCO COLUMNS (STUCCO OVER WOOD FRAMING)
- 8

PRE-FAB WINDOW SYSTEM
- 9

COMPOSITE ENTRY DOOR
- 10

METAL ROLL-UP GARAGE DOOR
- 11

DECORATIVE PRE-FAB SHUTTERS
- 12

ILLUMINATED ADDRESS PLATE
- 13

WOOD BRACKET
- 14

WOOD SIDING
- 15

PRE-FAB CORBEL
- 16

STONE VENEER
- 17

DECORATIVE PRE-FAB VENTS
- 18

PRE-FAB POT SHELF & CORBEL
- 19

DECORATIVE BOARD & BATTEN
- 20

WOOD POST
- 21

BRICK VENEER
- 22

DECORATIVE OUTLOOKER WITH KNEEBRACE
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CONCRETE FLAT TILE ROOFING(SHAKE)
- 24

DECORATIVE RECESSED ELEMENT
- 25

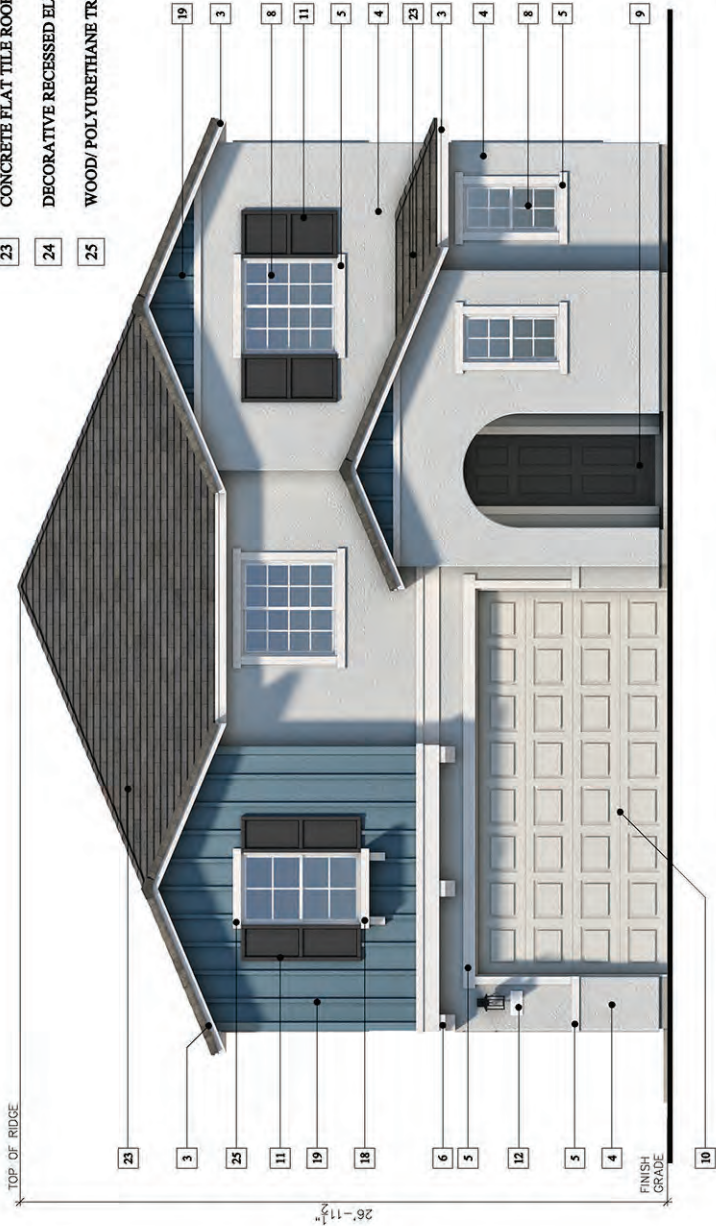
WOOD/ POLYURETHANE TRIM



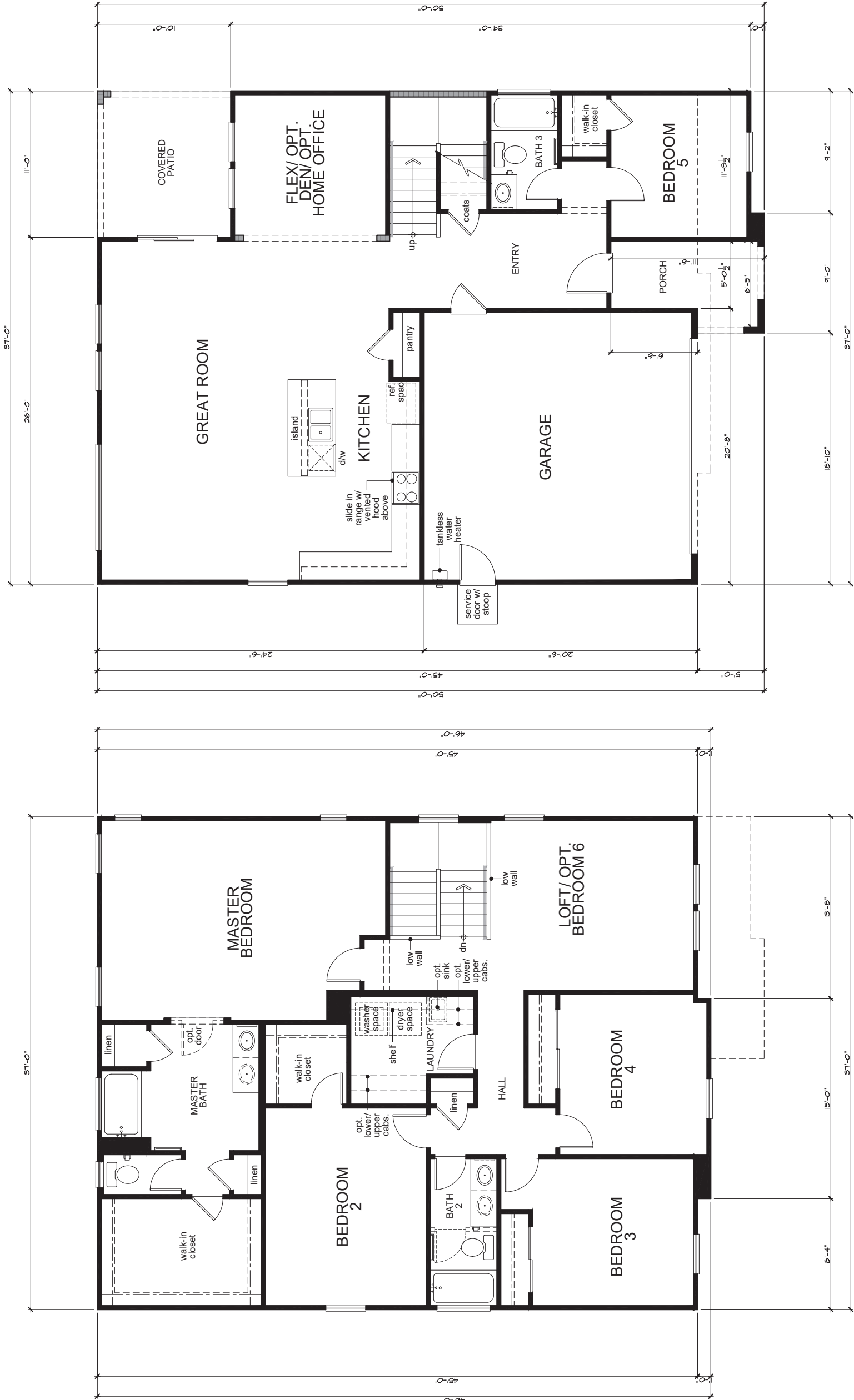
Elevation 'A' (Spanish)



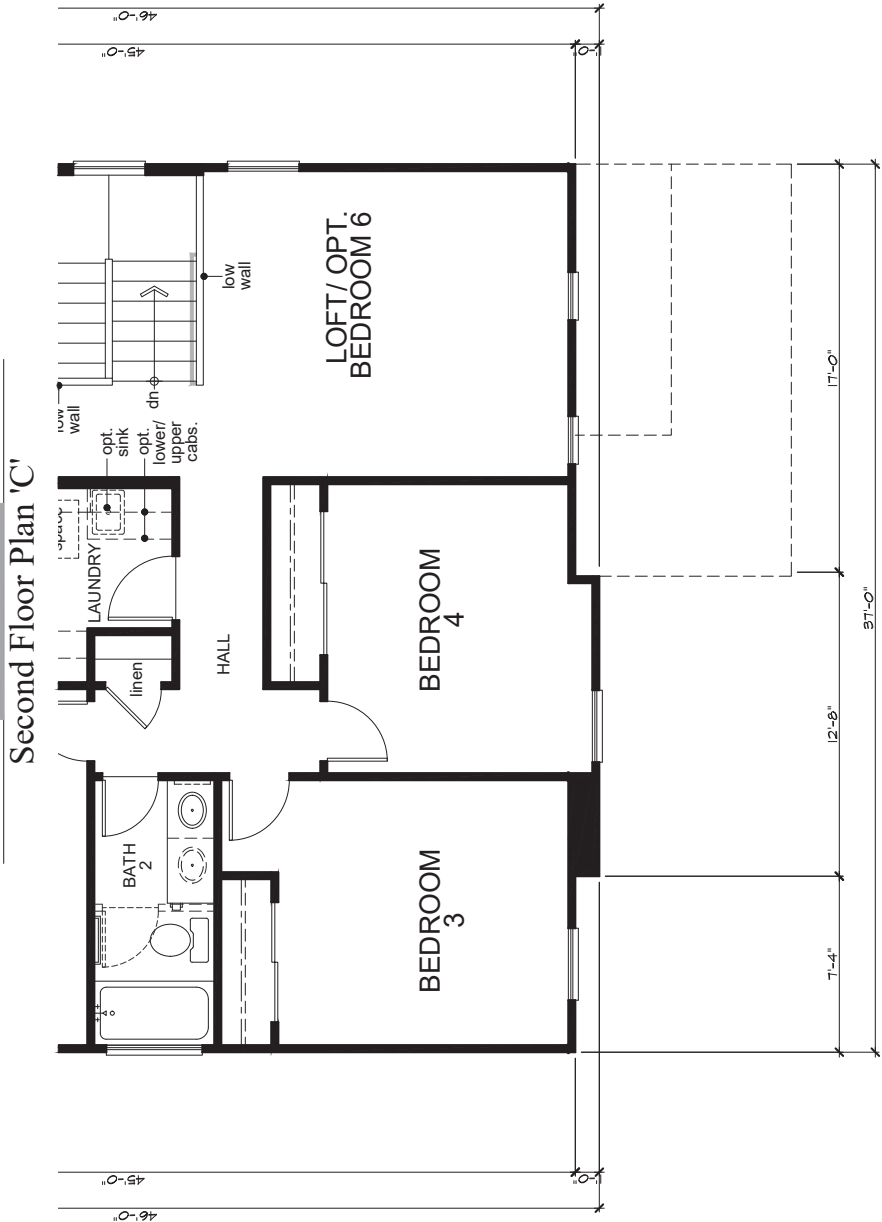
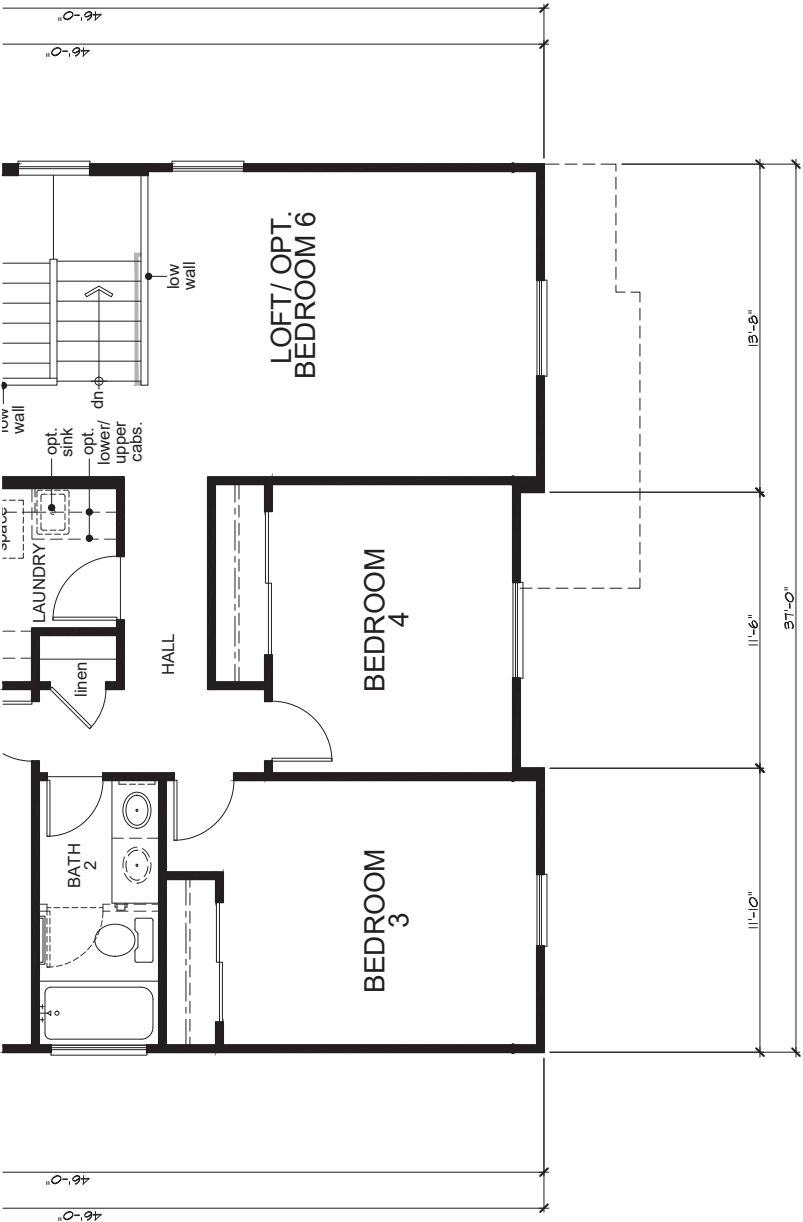
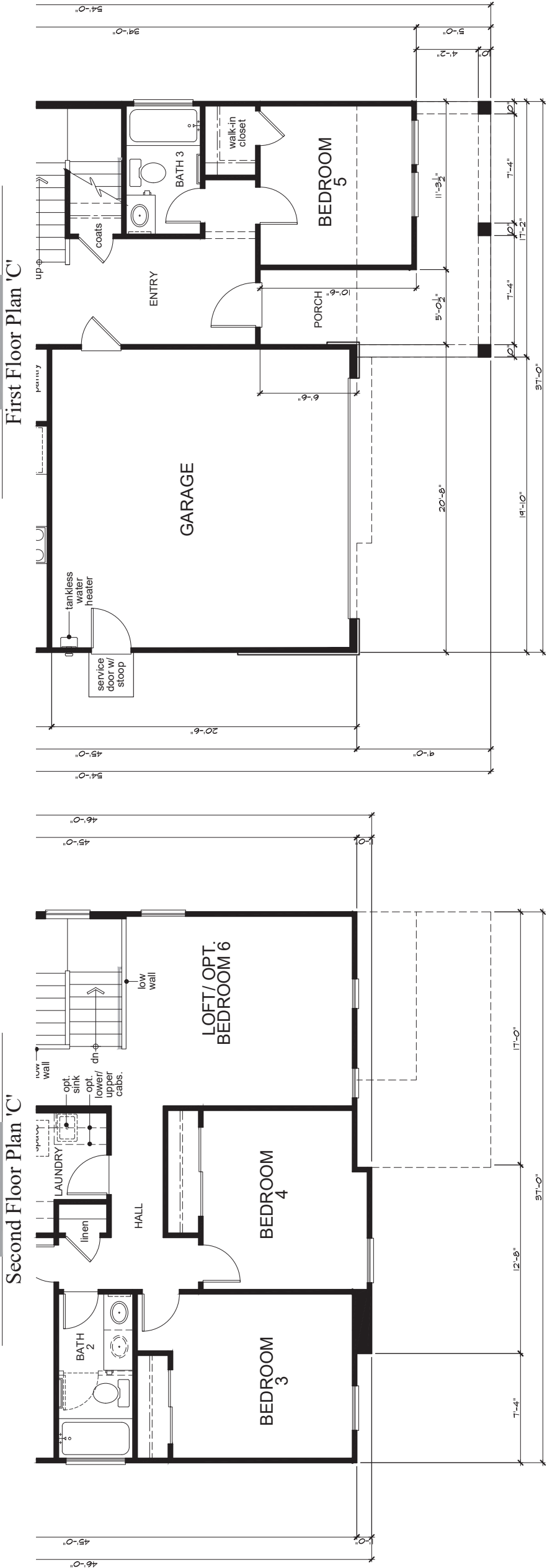
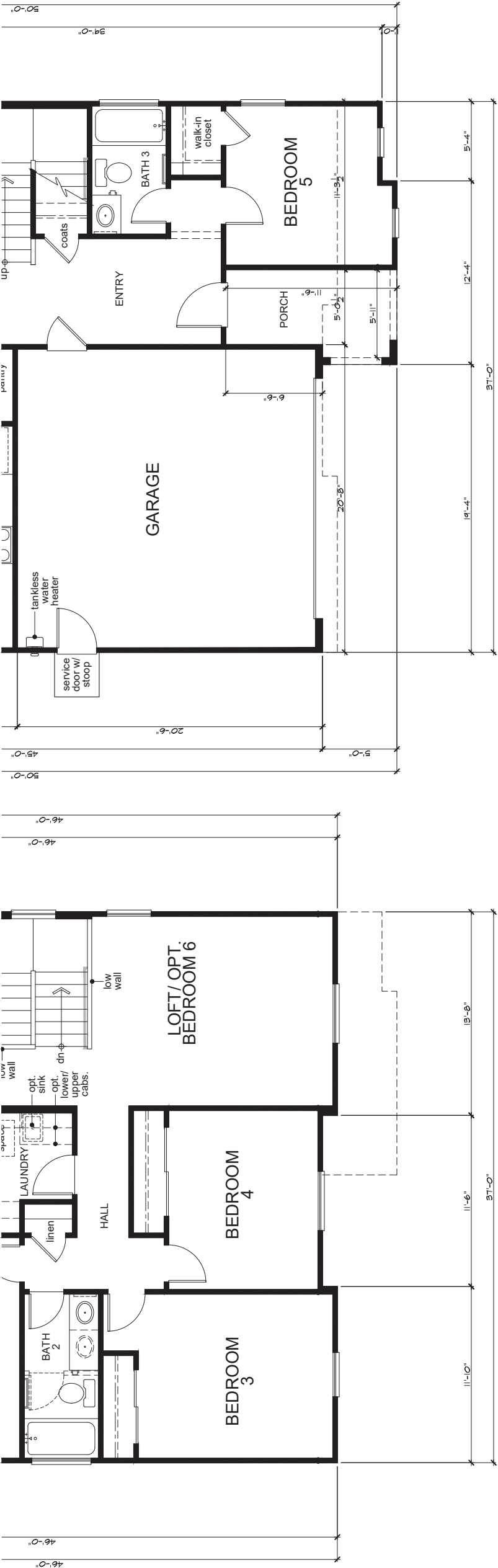
Elevation 'B' (Traditional Farmhouse)



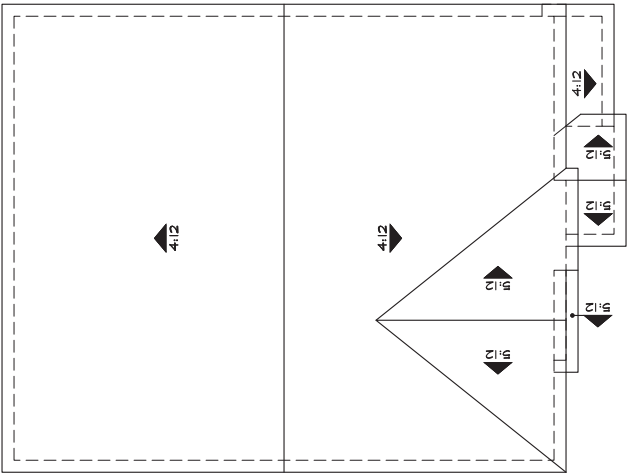
Elevation 'C' (Contemporary Farmhouse)



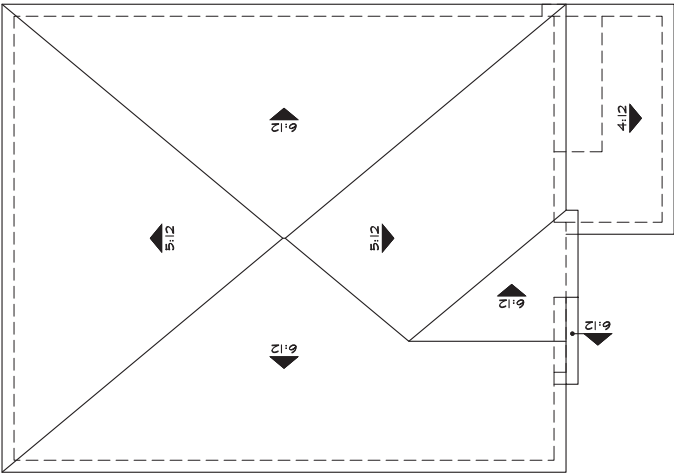
SQUARE FOOTAGE			
PLAN 2372756			
	A'	B'	C'
FIRST FLOOR AREA	1148	1148	1154
SECOND FLOOR AREA	1611	1608	1624
TOTAL AREA	2759	2756	2778
GARAGE AREA	420	420	420
PORCH AREA	67	141	65
COVERED PATIO	110	110	110



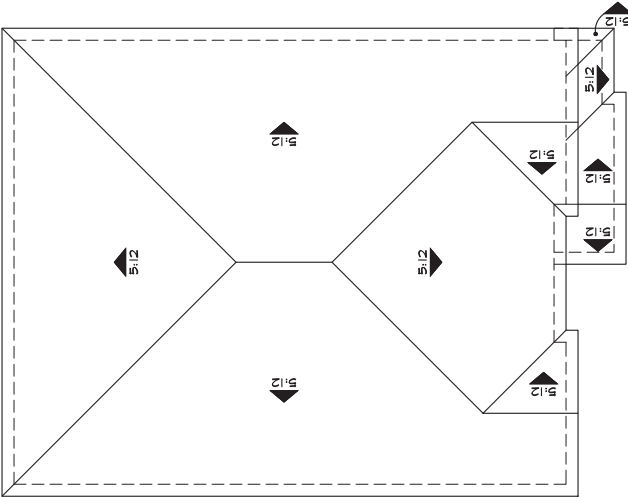
'A'



'B'



'C'



Roof Plans



Front Elevation 'A' - Spanish



Rear Elevation 'A'



Left Elevation 'A'

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENTRY-REAR ELEVATIONS AND SIDEWALLS
FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'A'

B101



Front Elevation 'B' - Traditional Farmhouse

NOTE
ALL WINDOW GRID AND CABLE DETAILS
FOR ENTIRE ELEVATIONS SHOWN
FOR STREET FACING, ALLEY OR OPEN AREAS

Left Elevation 'B'



Right Elevation 'B'



Rear Elevation 'B'

B102



Left Elevation 'C'

Front Elevation 'C' - Contemporary Farmhouse

NOTE ALL WINDOW GRID AND CABLE DETAILS FOR ELEVATIONS SHOULD BE FOR STREET FACING, ALLEY OR OPEN AREAS



Right Elevation 'C'



Rear Elevation 'C'

B103

Laurel Ranch (SFD)

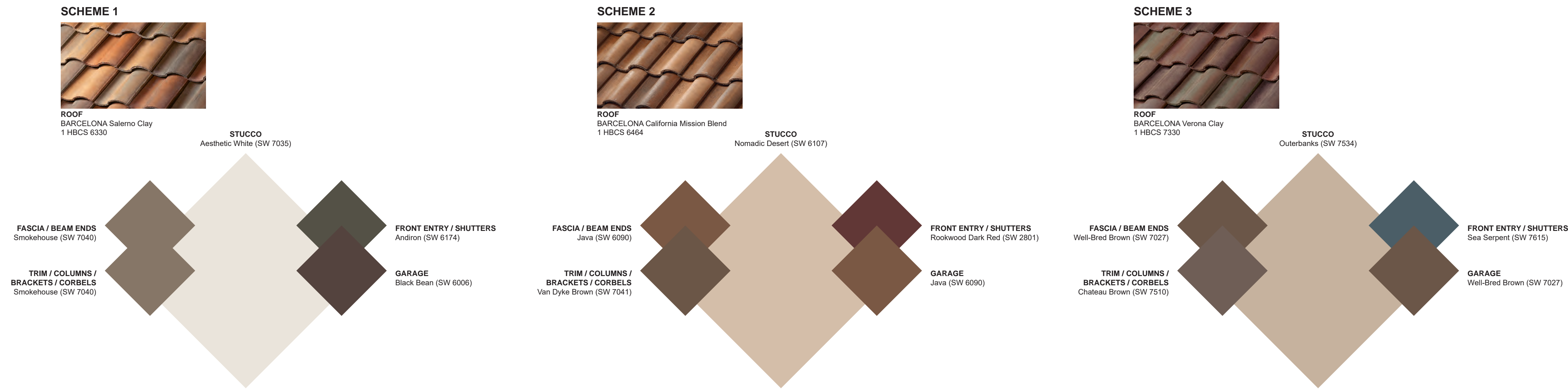
Central California Division

Project #xxxxxxx

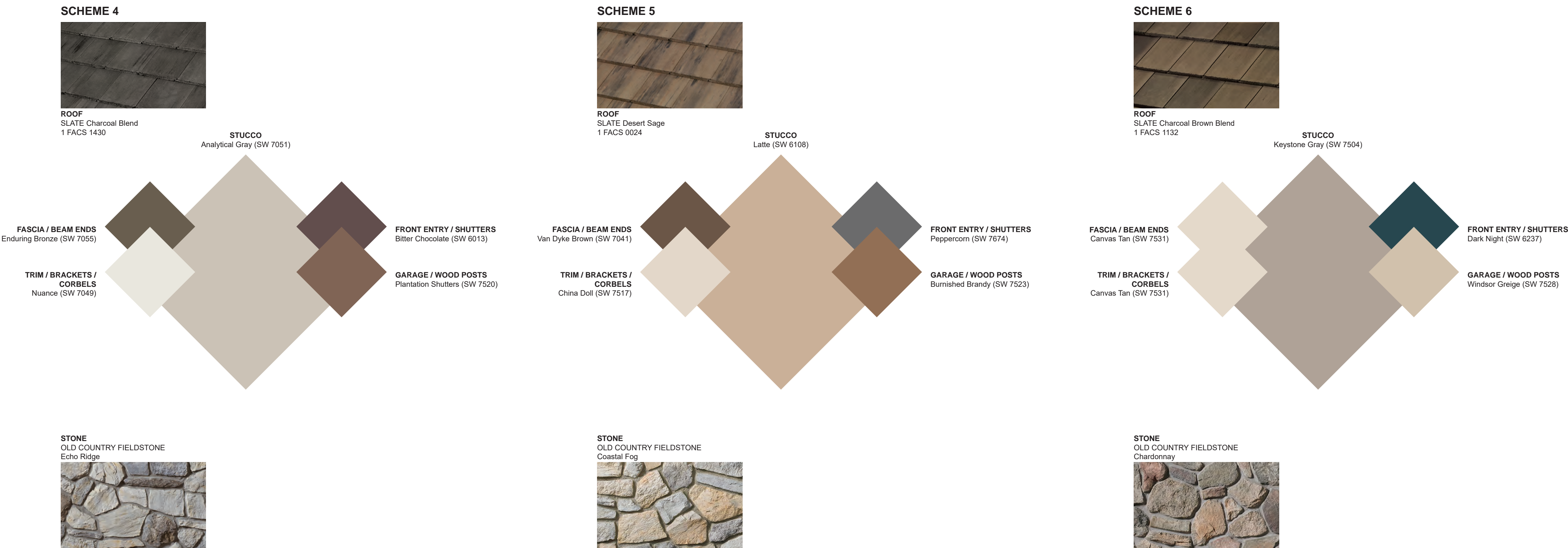
August 2, 2021



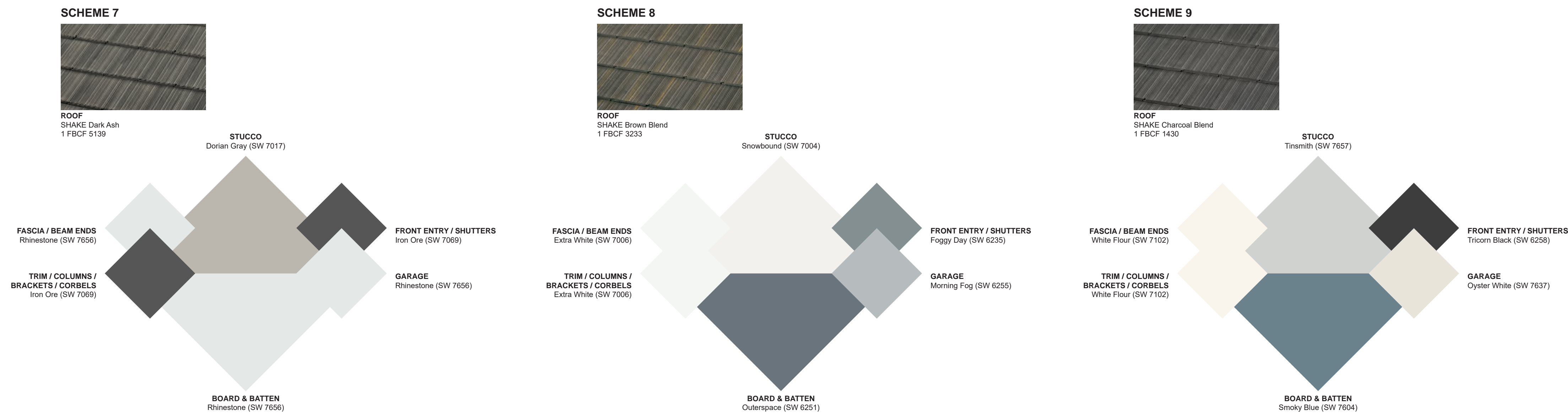
SPANISH ‘A’ ELEVATIONS



TRADITIONAL FARMHOUSE ‘B’ ELEVATIONS



CONTEMPORARY FARMHOUSE ‘C’ ELEVATIONS



Laurel Ranch (SFD)

Central California Division

Project #xxxxxx

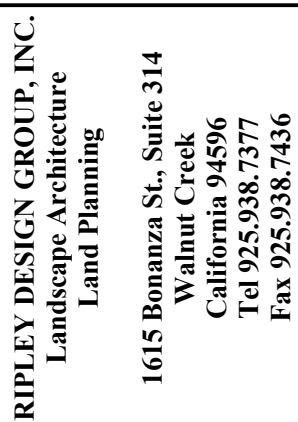
August 2, 2021



SPANISH 'A' ELEVATIONS				
MATERIAL	MFR	SCHEME 1	SCHEME 2	SCHEME 3
STUCCO	SHERWIN-WILLIAMS	Aesthetic White (SW 7035)	Nomadic Desert (SW 6107)	Outerbanks (SW 7534)
FASCIA / BEAM ENDS	SHERWIN-WILLIAMS	Smokehouse (SW 7040)	Java (SW 6090)	Well-Bred Brown (SW 7027)
TRIM / COLUMNS / BRACKETS / CORBELS	SHERWIN-WILLIAMS	Smokehouse (SW 7040)	Van Dyke Brown (SW 7041)	Chateau Brown (SW 7510)
FRONT ENTRY / SHUTTERS	SHERWIN-WILLIAMS	Andiron (SW 6174)	Rookwood Dark Red (SW 2801)	Sea Serpent (SW 7615)
GARAGE	SHERWIN-WILLIAMS	Black Bean (SW 6006)	Java (SW 6090)	Well-Bred Brown (SW 7027)
ROOF	BORAL ROOFING	1 HBCS 6330	1 HBCS 6464	1 HBCS 7330
	BARCELONA	Salerno Clay	California Mission Blend	Verona Clay

TRADITIONAL FARMHOUSE 'B' ELEVATIONS				
MATERIAL	MFR	SCHEME 4	SCHEME 5	SCHEME 6
STUCCO	SHERWIN-WILLIAMS	Analytical Gray (SW 7051)	Latte (SW 6108)	Keystone Gray (SW 7504)
FASCIA / BEAM ENDS	SHERWIN-WILLIAMS	Enduring Bronze (SW 7055)	Van Dyke Brown (SW 7041)	Canvas Tan (SW 7531)
TRIM / BRACKETS / CORBELS	SHERWIN-WILLIAMS	Nuance (SW 7049)	China Doll (SW 7517)	Canvas Tan (SW 7531)
FRONT ENTRY / SHUTTERS	SHERWIN-WILLIAMS	Bitter Chocolate (SW 6013)	Peppercorn (SW 7674)	Dark Night (SW 6237)
GARAGE / WOOD POSTS	SHERWIN-WILLIAMS	Plantation Shutters (SW 7520)	Burnished Brandy (SW 7523)	Windsor Greige (SW 7528)
ROOF	BORAL ROOFING	1 FACS 1430	1 FACS 0024	1 FACS 1132
	SLATE	Charcoal Blend	Desert Sage	Charcoal Brown Blend
STONE	CULTERED STONE	OLD COUNTRY FIELDSTONE Echo Ridge	OLD COUNTRY FIELDSTONE Coastal Fog	OLD COUNTRY FIELDSTONE Chardonnay

CONTEMPORARY FARMHOUSE 'C' ELEVATIONS				
MATERIAL	MFR	SCHEME 7	SCHEME 8	SCHEME 9
STUCCO	SHERWIN-WILLIAMS	Dorian Gray (SW 7017)	Snowbound (SW 7004)	Tinsmith (SW 7657)
BOARD & BATTEN	SHERWIN-WILLIAMS	Rhinestone (SW 7656)	Outerspace (SW 6251)	Smoky Blue (SW 7604)
FASCIA / BEAM ENDS	SHERWIN-WILLIAMS	Rhinestone (SW 7656)	Extra White (SW 7006)	White Flour (SW 7102)
TRIM / COLUMNS / BRACKETS / CORBELS	SHERWIN-WILLIAMS	Iron Ore (SW 7069)	Extra White (SW 7006)	White Flour (SW 7102)
FRONT ENTRY / SHUTTERS	SHERWIN-WILLIAMS	Iron Ore (SW 7069)	Foggy Day (SW 6235)	Tricorn Black (SW 6258)
GARAGE	SHERWIN-WILLIAMS	Rhinestone (SW 7656)	Morning Fog (SW 6255)	Oyster White (SW 7637)
ROOF	BORAL ROOFING	1 FBCF 5139	1 FBCF 3233	1 FBCF 1430
	SHAKE	Dark Ash	Brown Blend	Charcoal Blend



DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

TEL. 707-389-7516

PROJECT: LAUREL RANCH - SUBDIVISION 8741 - ANTIOCH, CALIFORNIA

PROJECT #:
DATE: MAR. 9, 2022
SCALE: 1"=100'
DRAWN BY: CL
CHECKED BY: AMC

REVISIONS:

SHEET

L

OF 16 SHEETS

BOTANICAL NAME	COMMON NAME	SIZE	WIDTH / HEIGHT	WATER USE
STREET TREES				
CELTIS SINENSIS	CHINESE HACKBERRY	24" BOX	40" WIDE/40' HIGH	MEDIUM
FRAXINUS O. RAYWOOD*	RAYWOOD ASH	24" BOX	25" WIDE/30' HIGH	MEDIUM
LAGERSTROEMIA I. WUSKOGEE*	GRAPE MYRTLE	24" BOX	15" WIDE/25" HIGH	LOW
MAYTENUS BOARIA	MAYTEN TREE	24" BOX	20" WIDE/30' HIGH	MEDIUM
PISTACHIA CHINENSIS	CHINESE PISTACHE	24" BOX	45" WIDE/45' HIGH	LOW
PYRUS C. BRADFORD*	BRADFORD PEAR	24" BOX	30" WIDE/45' HIGH	MEDIUM
QUERCUS LOBATA	VALLEY OAK	24" BOX	50" WIDE/50' HIGH	LOW
PARK TREES				
PYRUS C. 'CHANTICLEER'	CHANTICLEER PEAR	24" BOX	15" WIDE/40' HIGH	MEDIUM
ULMUS PARVIFOLIA 'DYNASTY'	CHINESE ELM	24" BOX	40" WIDE/35' HIGH	MEDIUM
BASIN TREES				
CERCIS OCCIDENTALIS	WESTERN REDBUD	24" BOX	15" WIDE/15' HIGH	LOW
OPEN SPACE TREES				
QUERCUS AGRIFOLIA	COAST LIVE OAK	24" BOX	70" WIDE/50' HIGH	LOW
QUERCUS LOBATA	VALLEY OAK	24" BOX	50" WIDE/50' HIGH	LOW

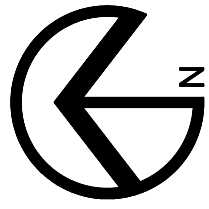
MAILBOX CLUSTER
LOCATIONS SEE SHEET
L10 FOR DETAIL

MAILBOX CLUSTER
LOCATIONS SEE SHEET
L10 FOR DETAIL

SEE SHEET L6 FOR
BIO-RETENTION
ENLARGEMENT

NOTES:

1. ALL TREES SHALL BE PLANTED AND STAKED PER CITY STANDARDS.
2. TREES BE PLANTED WITHIN 3' OF HARDSCAPE ELEMENTS, SHALL HAVE A LINEAR ROOT BARRIER INSTALLED ADJACENT TO THE HARDSCAPE ELEMENT AT TIME OF TREE PLANTING.
3. LANDSCAPE AND IRRIGATION SHALL COMPLY WITH CITY'S CURRENT WATER-EFFICIENT LANDSCAPE ORDINANCE.
4. ALL PLANTING AREAS SHALL BE AUTOMATICALLY IRRIGATED PER CITY STANDARDS, USING LOW-FLOW SPRAY, BUBBLERS OR DRIP METHODS.
5. ALL PLANTING AREAS SHALL BE MULCHED TO A MINIMUM DEPTH OF 3".

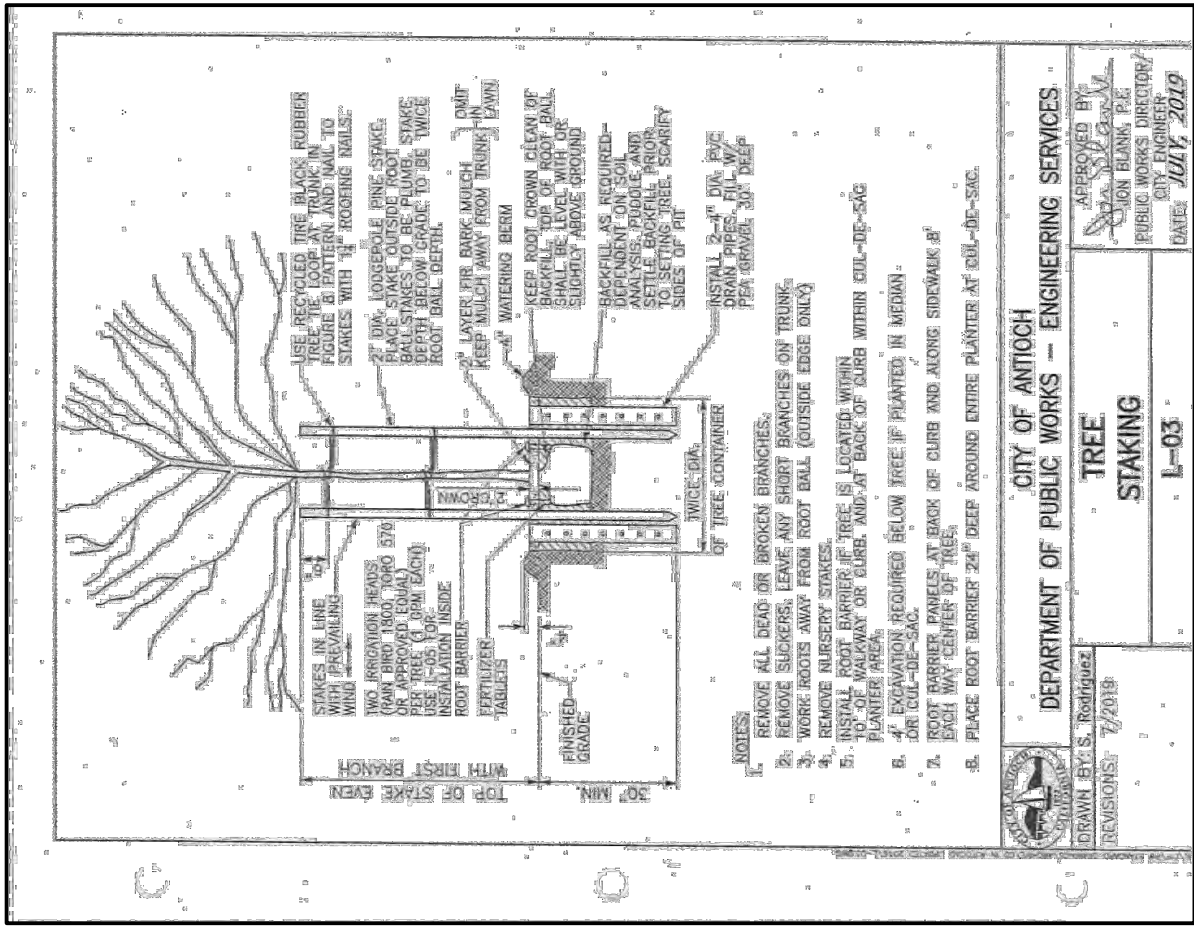


GRAPHIC SCALE



(IN FEET)

NOT HIGH



OPEN SPACE TO BE
HYDROSEDED WITH
NATIVE SEED MIX
AND PLANTED WITH
NATIVE OAKS

SEE SHEET L5 FOR TRAIL
ENLARGEMENT

MAILBOX CLUSTER
LOCATIONS SEE SHEET
L10 FOR DETAIL

SEE SHEET L3 FOR
COMMUNITY PARK
ENLARGEMENT

SEE SHEET L4 FOR
PASSIVE GREEN SPACE
ENLARGEMENT

CONCEPTUAL LANDSCAPE STATEMENT

REGIONAL AND MICRO-CLIMATE CONDITIONS, SOLAR ORIENTATION AND SOIL CONDITIONS WILL BE TAKEN INTO ACCOUNT WITH REGARDS TO PLANT SELECTION AND PLACEMENT. THE PLANT PALETTE PROVIDES MANY PLANTS WITH VARYING GROWTH HABITS, PREFERENCES AND TOLERANCES, SO SELECTION OF JUST THE RIGHT PLANT SHOULD NOT BE DIFFICULT. A HIGH PERCENTAGE OF PLANTS SELECTED WILL BE DROUGHT TOLERANT AND APPROPRIATE FOR THE CLIMATE. THIS PALETTE, ALONG WITH A DRIP IRRIGATION SYSTEM WILL CONSERVE WATER WITHIN THE PROJECT.

BY SPECIFYING PLANTS WHICH REQUIRE LITTLE TO NO PRUNING, THE GREEN WASTE WILL BE REDUCED. PLANTS SELECTED WILL COMPLEMENT THE ARCHITECTURE.

ENTRYWAYS AND PICTURE WINDOWS WILL BE FRAMED BY SPECIMEN SHRUBS AND NODES WILL HAVE ACCENT PLANTINGS. PLANT SPECIES WHICH ENHANCE THE ARCHITECTURAL ELEVATIONS SHALL BE USED. A DIVERSE USE OF PLANT SPECIES WILL DISPLAY VARIOUS TEXTURES, FORMS, FOLIAGE COLOR, AND FLOWERS; WILL CREATE A BEAUTIFUL LANDSCAPE TO CONTRIBUTE AESTHETICALLY TO THE SURROUNDING NEIGHBORHOODS.

THE TREES HAVE BEEN SELECTED TO HAVE NON-INVASIVE ROOT SYSTEMS, AND PLACED WITH ADEQUATE SETBACKS TO ENSURE NO CONFLICT WITH UTILITIES AND HARDSCAPE, OR CONFLICT WITH ANY SITE LINE DISTANCES. ROOT BARRIERS WILL BE INSTALLED ON ALL TREES NEAR PAVING AND UTILITIES. WHERE FEASIBLE, TREES HAVE BEEN PLACED TO MITIGATE SOLID BUILDING SURFACES AND FENCES. TALLER SHRUBS WILL ALSO BE LOCATED AT SOLID BUILDING SURFACES AND FENCES, WHILE LOWER SHRUBS WILL BE LOCATED WHERE GROUND LEVEL DISTANCES AND ARCHITECTURAL FEATURES OCCUR, AND AT CORNERS TO MAINTAIN SITE LINE DISTANCES.

THE PROJECT FEATURES A COMMUNITY PARK SPACE THAT ENHANCES CIRCULATION BY PROVIDING OPPORTUNITIES FOR ADULTS AND CHILDREN TO TRAVERSE THROUGHOUT THE PARK. PLAY EQUIPMENT AND SEATING PROVIDE A FAMILY FRIENDLY SPACE THAT ALLOWS ITS USERS TO ENJOY THE OUTDOORS. A PASSIVE GREEN SPACE WITH BENCHES CAN BE USED BY THE COMMUNITY TO MEDITATE AND ENJOY THE OUTDOORS, WHILE A TRAIL STAGING AREA THAT CONNECTS TO THE ADJACENT FUTURE TRAIL WILL PROVIDE PET WASTE STATIONS TO ALLOW PET LOVERS TO TAKE THEIR FURY FRIENDS ON TRAIL WALKS.

THE IRRIGATION SYSTEM WILL USE WEATHER-BASED CONTROLLERS TO CONSERVE THE USE OF WATER. SPRAY IRRIGATION WILL ONLY OCCUR AT TURF AREAS, AND SPRAY HEADS WITH LOW PRECIPITATION RATES WILL BE USED TO MINIMIZE RUNOFF, EROSION AND OVERSPRAY. THE BALANCE OF THE PLANTING AREAS WILL BE IRRIGATED USING DRIP IRRIGATION METHODS. THE TREES WILL BE ON SEPARATE VALVES AND WILL BE IRRIGATED WITH BUBBLERS. SHRUBS WILL BE HYDROZONED ACCORDING TO THEIR WATER REQUIREMENTS AND MICROCLIMATES.

PROJECT ENTRY SEE —
ENLARGEMENT SHEET L2

[illegible]

[illegible]

The collage features four distinct images related to landscape design. On the top left is a black trash receptacle with a red and blue lid, labeled 'TRASH' and 'BOTTLES & CANS'. On the top right is a white park bench with a wooden frame, set against a backdrop of greenery. On the bottom left is a green water dispenser with a black top, situated outdoors. On the bottom right is a detailed plant legend table with columns for Botanical Name, Common Name, Water Use, and Spacing, listing various trees and shrubs. Below the table is a north arrow and a graphic scale in feet.

BOTANICAL NAME	COMMON NAME	WATER USE	SPACING
TREES			
CELTIS SINENSIS	CHINESE HACKBERRY	MEDIUM	AS SHOWN
PIRUS C. CHANTICLEER	CHANTICLEER PEAR	MEDIUM	AS SHOWN
ULMUS PARVIFOLIA 'DYNASTY'	CHINESE ELM	MEDIUM	AS SHOWN
SHRUBS			
ACACIA 'COUSIN ITT'	RIVER WATTLE	LOW	48" O.C.
BACCHARIS PILULARIS 'TWIN PEAKS'	COYOTE BUSH	LOW	60" O.C.
CALLISTEMON V. 'LITTLE JOHN'	DWARF BOTTLEBRUSH	LOW	48" O.C.
DIETES IRIDIODES	FORTNIGHT LILY	LOW	42" O.C.
LEUCOPHYLLA 'MILKWOOD'	WAX LEAF PRIVET	LOW	42" O.C.
ROSMARINUS O. 'HUNTINGTON CARPET'	ROSEMARY	LOW	60" O.C.
SALVIA CLEVELANDII	CLEVELAND SAGE	LOW	60" O.C.
GROUNDCOVERS			
TURF	BOLERO	TALL FESCUE TURF	HIGH
	AVAILABLE	FROM DELTA BLUE GRASS	" SOODED

GRAPHIC SCALE
 0 10 20 30
 (IN FEET)
 1 inch = 10 ft.



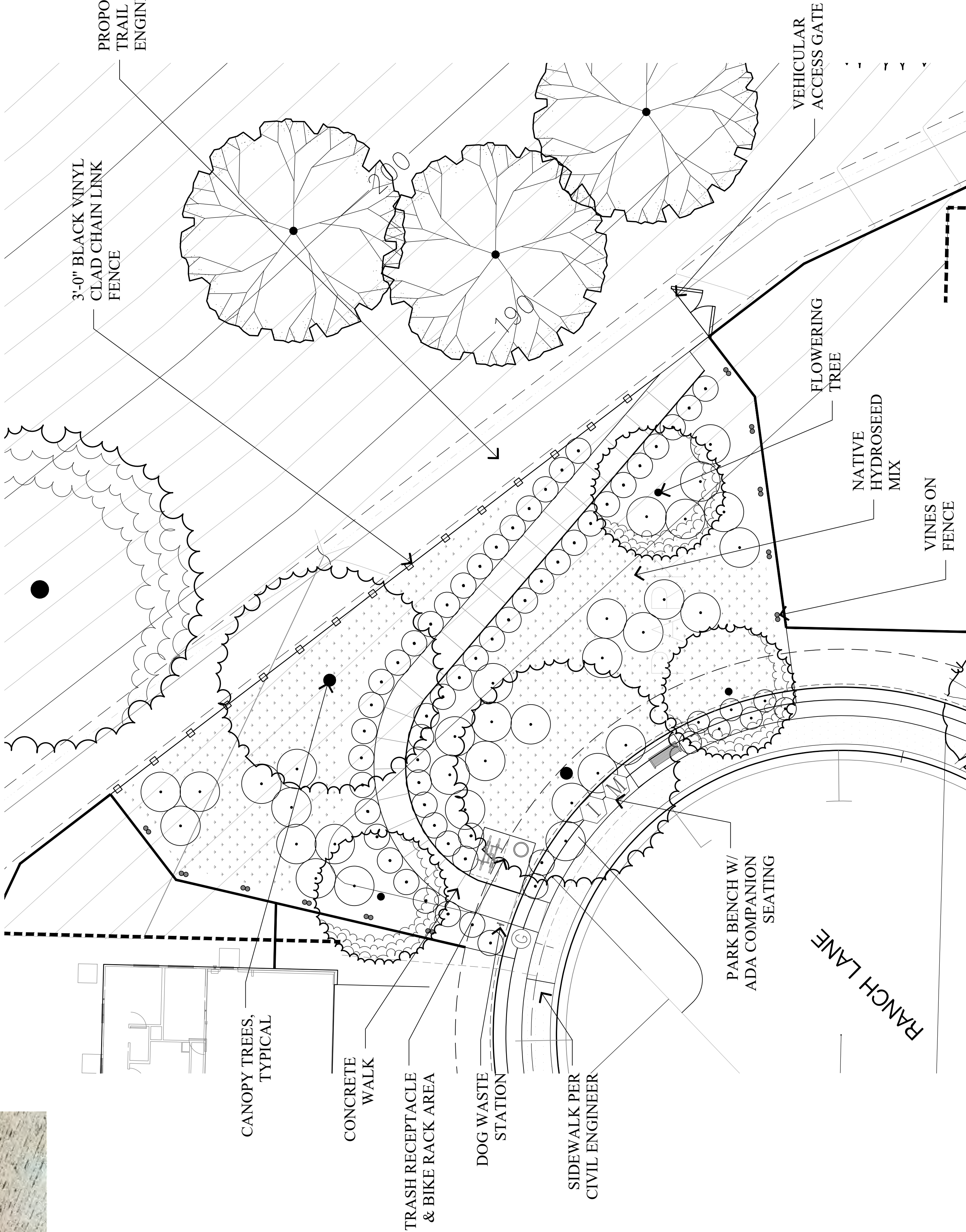
PARK BENCH: VERA
BY MMCITE
COLOR: POWDER COATED BLACK GREY



TRASH RECEPTACLE: 436
BY DUNOR
COLOR: TEXTURED BLACK



MUTT PARK
DISPENSER



PLANT LEGEND

BOTANICAL NAME	COMMON NAME	WATER USE	SPACING
TREES			
PIRUS C. CHANTICLEER	CHANTICLEER PEAR	MEDIUM	AS SHOWN
ULMUS PARVIFOLIA 'DYNASTY'	CHINESE ELM	MEDIUM	AS SHOWN
SHRUBS			
ACACIA 'COUSIN ITT'	RIVER WATTLE	LOW	48" O.C
BACCHARIS PILLULARIS 'TWIN PEAKS'	COYOTE BUSH	LOW	60" O.C
ROSMARINUS O. 'HUNTINGTON CARPET'	ROSEMARY	LOW	60" O.C
SILVIA CLEVELANDI	CLEVELAND SAGE	LOW	60" O.C
VINES			
VTIS CALIFORNICA 'ROGERS RED'	CALIFORNIA WILD GRAPE	LOW	10' O.C
GROUNDCOVERS			
	HYDROSEED SEED	LOW	REFER TO SF BAY HABITAT MIX SHOWN THIS SHEET

HYDROSEEDING SPECIFICATIONS

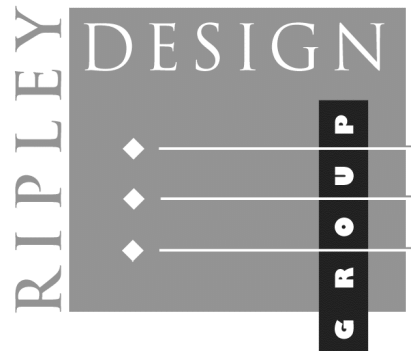
HYDROSEED SHALL CONSIST OF MIXING AND APPLYING SEED, FERTILIZER AND SOIL BINDER WITH FIBER AND WATER. MIXING SHALL BE PERFORMED IN A TANK WITH A BUILT-IN CONTINUOUS AGITATION SYSTEM, WITH AN OPERATING CAPACITY TO PRODUCE A HOMOGENEOUS MIXTURE AND DISCHARGE SYSTEM WHICH WILL APPLY THE MIXTURE AT A CONTINUOUS AND UNIFORM RATE. THE TANK SHALL HAVE A MINIMUM CAPACITY OF 1000 GALLONS. THE MATERIALS AND QUANTITIES TO BE MIXED ARE AS FOLLOWS:

SF BAY HABITAT MIX- 2014

LBS./ACRE	SPECIES/COMMON NAME	- 48 TOTAL LBS.
10	BROMUS CARINATUS/NATIVE	CALIFORNIA BROME
8	PEROGONIUM NUDUM/NAKED BUCKWHEAT	
8	HOBBELIA CALIFORNICA/CALIFORNIA BARLEY	
5	FESTUCA IDAHOENSIS/IDAHO FESCUE	
5	NASSELLA PULCHRA/PURPLE NEEDLEGRASS	
4	POA SECUNDA/NATIVE PINE BLUEGRASS	
8	BAY NATIVE WILDFLOWER LEEDS MIX 2013 BY PACIFIC COAST SEED:	

ACHILLEA MILLEFOLIUM/NATIVE YARROW
CASTILLEJA EXERTA/PURPLE OWLS CLOVER
CLARKIA PURPUREA/WINE CUP CLARKIA
EROGONIUM NUDUM/NAKED BUCKWHEAT
EROPHYLLUM CONFERTIFOLIUM/GOLDEN YARROW
FESTUCA IDAHOENSIS/IDAHO FESCUE
EUPHORNIA OCCIDENTALIS/WESTERN GOLDENROD
GRANDELLIA CAMPORUM/GUM PLANT
LUPINUS NANUS/SKY LUPINE
PHACELIA CALIFORNICA/PERENNIAL BLUEBELL
RANUNCULUS CALIFORNICA/CALIFORNIA BUTTERCUPS
SILVIA CLEVELANDI
TRIPSACIA/YELLOW OWLS CLOVER
WYETHIA ANGUSTIFOLIA/MULE EARS

PACIFIC COAST SEED
533 HAWTHORNE PLACE,
LYNDHURST, CA 94020
PH: (925) 373-4411
FAX: (925) 373-6855



RIPLY DESIGN GROUP, INC.
Landscape Architecture
Land Planning

1615 Bonanza St., Suite 314
Walnut Creek
California 94596
Tel 925.938.7377
Fax 925.938.7436

DEVELOPER:

KB HOME
NORTH BAY

4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534

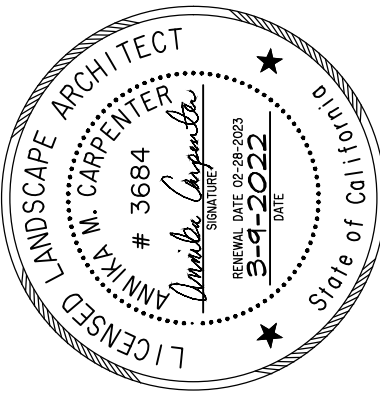
TEL. 707-389-7516

PROJECT:

LAUREL
RANCH
SUBDIVISION
8741

ANTIOCH,
CALIFORNIA

PARCEL B
PARK



PROJECT #:

DATE: MAR. 9, 2022

SCALE: 1"=10'

DRAWN BY: CL

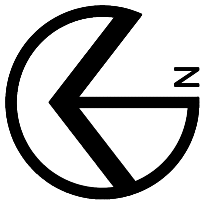
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REVISIONS:

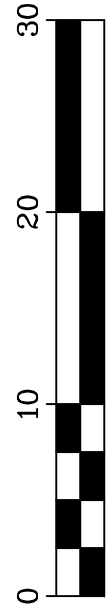
SHEET

L5

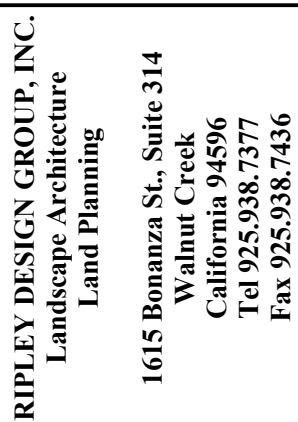
OF 16 SHEETS



GRAPHIC SCALE



(IN FEET)
1 inch = 10 ft.



DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

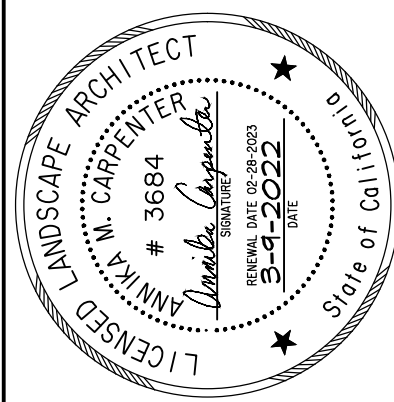
TEL. 707-389-7516

PROJECT:

**LAUREL
RANCH
-
SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

FENCING & WALL PLAN



PROJECT #:

DATE: MAR. 9, 2022

SCALE: 1"=30'

DRAWN BY: CL









REVISIONS:

SHEET

L7

OF 16 SHEETS

FENCE LEGEND

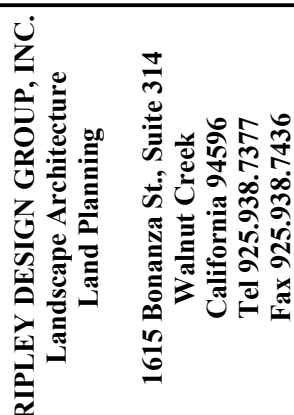
SYMBOL	FENCE TYPE
	10'-0" CMU MASONRY WALL
	8'-0" CMU MASONRY WALL W/ RETAINING
	3'-0" OR 5'-0" BLACK VINYL CLAD CHAIN-LINK FENCE
	6'-0" HIGH WOOD VIEW FENCE
	3'-6" HIGH SPLIT RAIL FENCE
	6'-0" HIGH GOOD NEIGHBOR FENCE
	6'-0" HIGH GOOD NEIGHBOR FENCE ON RETAINING WALL
	RETAINING WALL PER CIVIL ENGINEER



MATCHLINE SEE - SHEET F2

GRAPHIC SCALE

 $1 \text{ inch} = 30 \text{ ft.}$



DEVELOPER:

**KB HOME
NORTH BAY**

**1830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

TEL. 707-389-7516

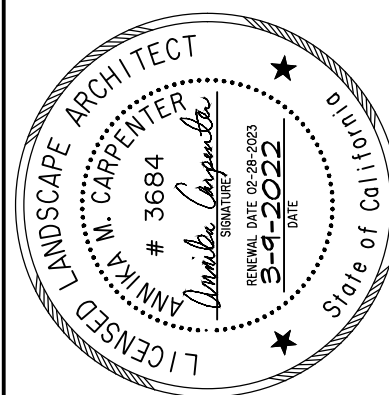
PROJECT:

**LAUREL
RANCH**

**SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

FENCING & WALL PLAN



PROJECT #:

DATE: MAR. 9, 2022

SCALE: 1"=30'

DRAWN BY: CL

CHECKED BY: AMC









REVISIONS:

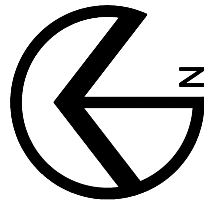
SHEET

8

OF 16 SHEETS

FENCE LEGEND

SYMBOL	FENCE TYPE
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	8'-0" CMU MASONRY WALL W/ RETAINING
	3'-0" OR 5'-0" BLACK VINYL CLAD CHAIN-LINK FENCE
	6'-0" HIGH WOOD VIEW FENCE
	3'-6" HIGH SPLIT RAIL FENCE
	6'-0" HIGH GOOD NEIGHBOR FENCE
	6'-0" HIGH GOOD NEIGHBOR FENCE ON RETAINING WALL
	RETAINING WALL PER CIVIL ENGINEER

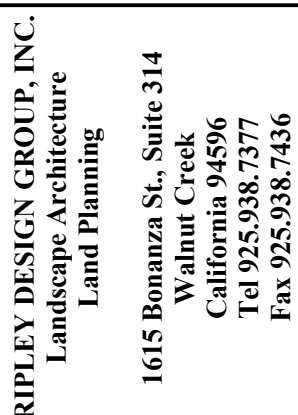


GRAPHIC SCALE



(IN FEET)

мен = 30 т.



DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

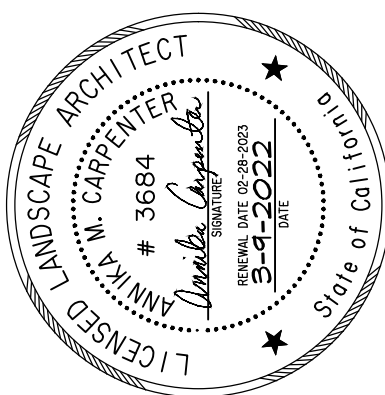
TEL. 707-389-7516

PROJECT:

**LAUREL
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-
SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

FENCING & WALL PLAN



PROJECT #:
DATE: MAR. 9, 2022
SCALE: 1"=30'
DRAWN BY: CL
CHECKED BY: AMC

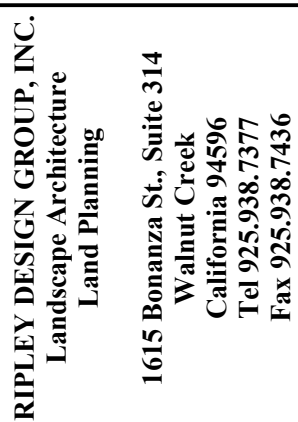
REVISIONS:

SHEET

19

OF 16 SHEETS





DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

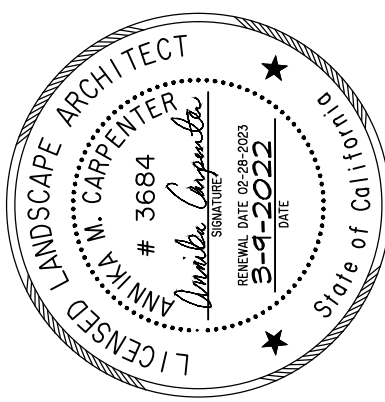
TEL. 707-389-7516

PROJECT:

**LAUREL
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-
SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

FENCING & WALL PLAN



PROJECT #:
DATE: MAR. 9, 2022
SCALE: 1"=30'
DRAWN BY: CL
CHECKED BY: AMC

REVISIONS:

SHEET

L10

OF 16 SHEETS











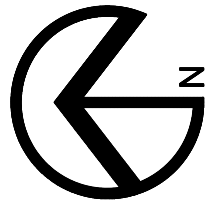
MATCHLINE SEE - SHEET F5

MAILBOX CLUSTER
LOCATIONS SEE DETAIL

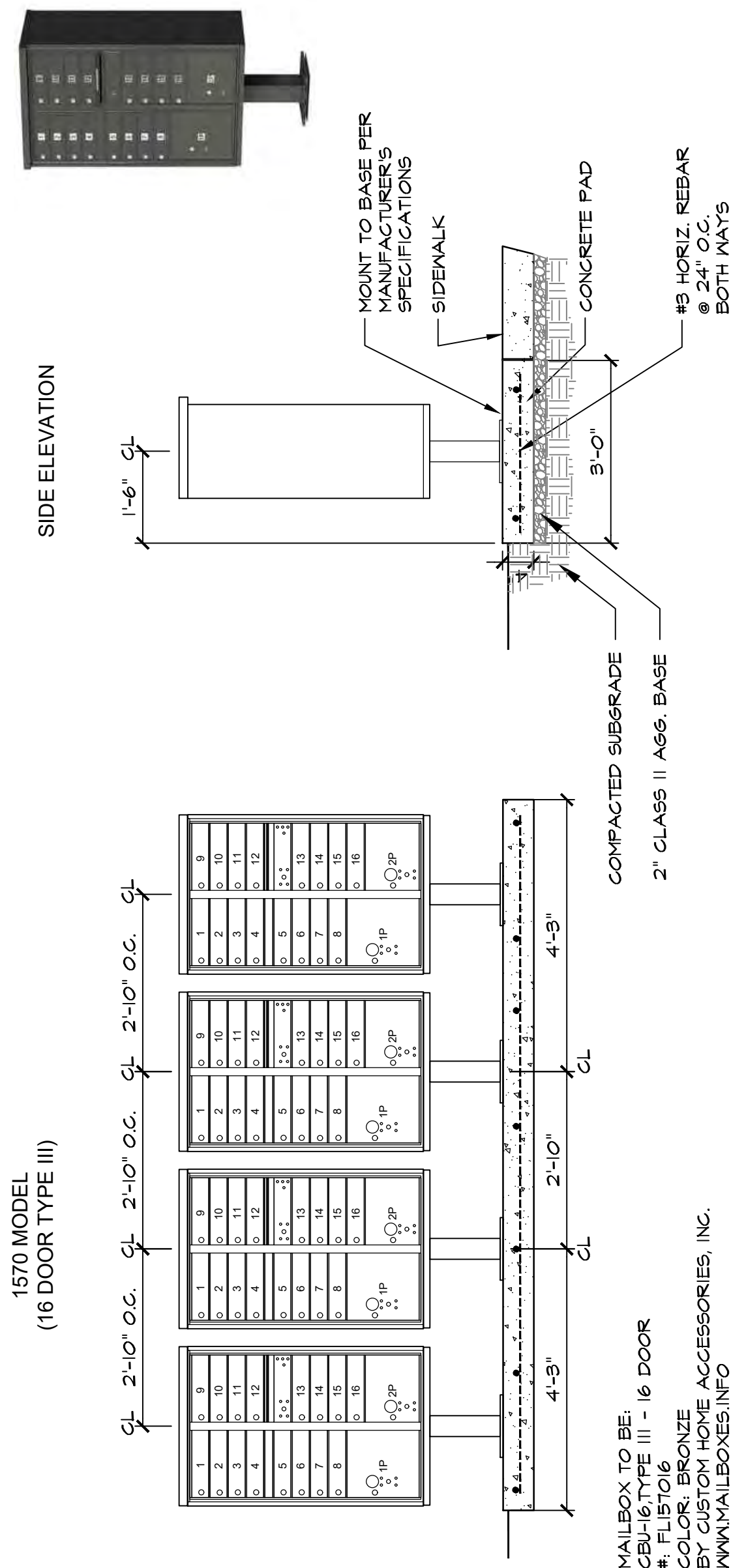
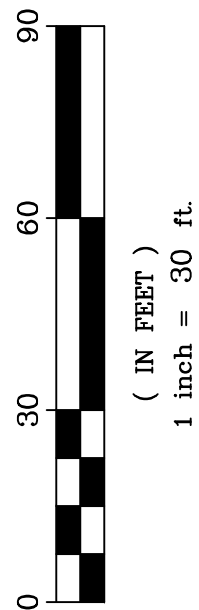
MATCHLINE SEE - SHEET F3

FENCE LEGEND

SYMBOL	FENCE TYPE
	10'-0" CMU MASONRY WALL
	8'-0" CMU MASONRY WALL W/ RETAINING
	3'-0" OR 5'-0" BLACK VINYL CLAD CHAIN-LINK FENCE
	6'-0" HIGH WOOD VIEW FENCE
	3'-6" HIGH SPLIT RAIL FENCE
	6'-0" HIGH GOOD NEIGHBOR FENCE
	6'-0" HIGH GOOD NEIGHBOR FENCE ON RETAINING WALL
	RETAINING WALL PER CIVIL ENGINEER



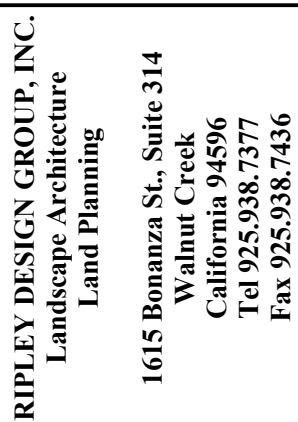
GRAPHIC SCALE



COMMUNITY MAILBOXES

SCALE: 1/2" = 1'-0"

024 -



DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

TEL. 707-389-7516

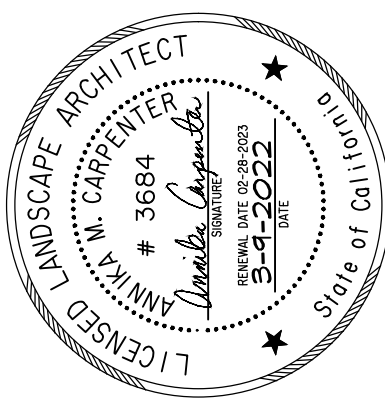
PROJECT:

**LAUREL
RANCH**

**SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

FENCING & WALL PLAN



PROJECT #:

DATE: MAR. 9, 2022

SCALE: 1"=30'

DRAWN BY: CL

CHECKED BY: AMC






REVISIONS:

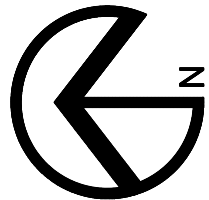
SHEET

U11

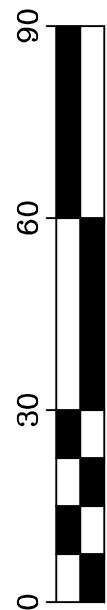
OF 16 SHEETS

FENCE LEGEND

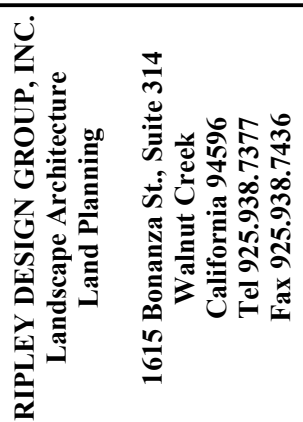
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	6'-0" HIGH GOOD NEIGHBOR FENCE ON RETAINING WALL
	RETAINING WALL PER CIVIL ENGINEER



GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.



DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

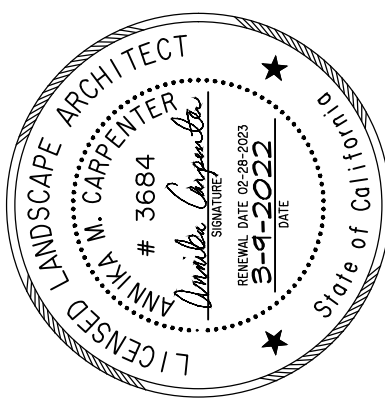
TEL. 707-389-7516

PROJECT:

**LAUREL
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-
SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

CONSTRUCTION DETAILS



PROJECT #:

DATE: MAR. 9, 2022

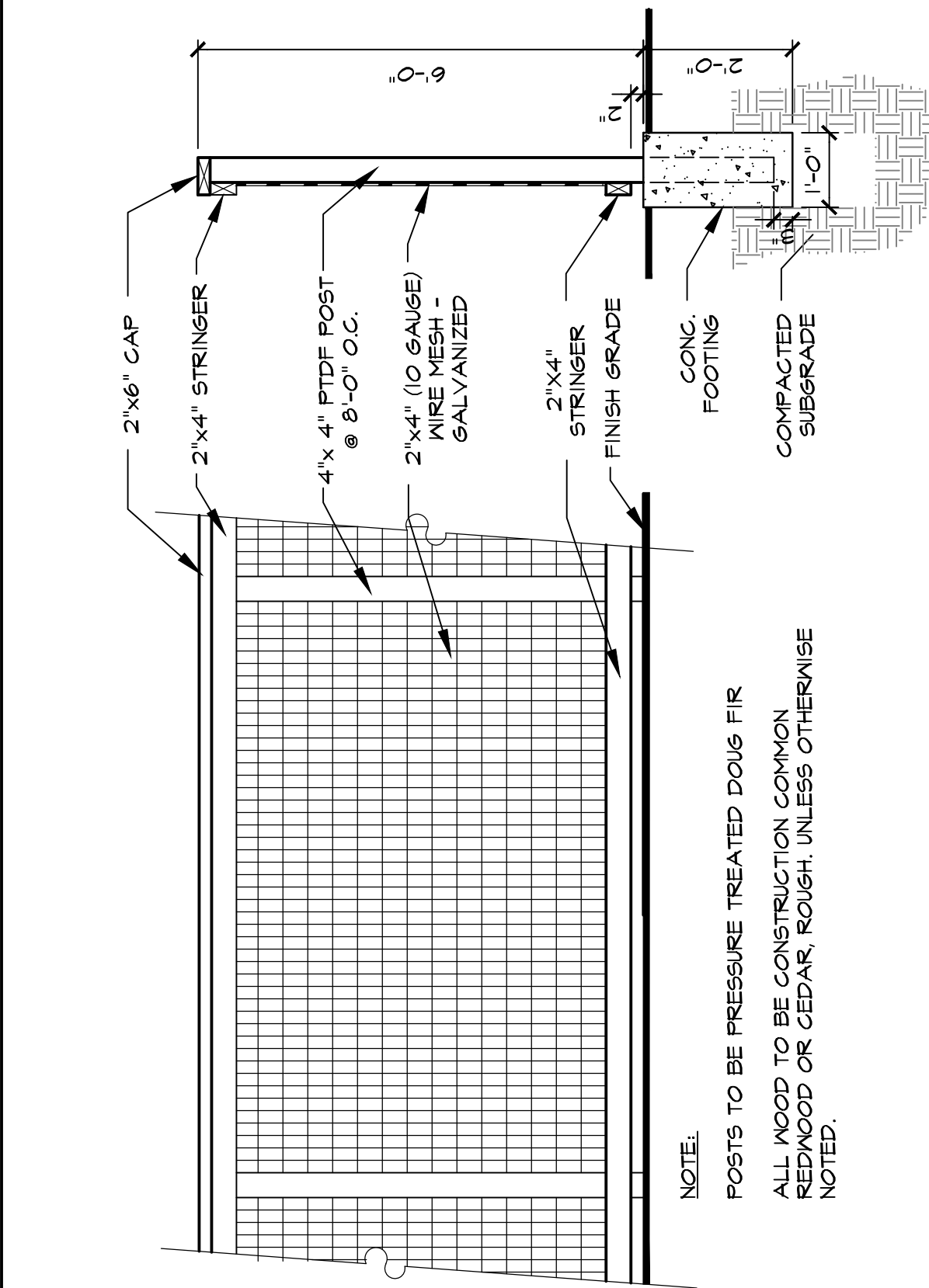
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REVISIONS:

SHEET

L12

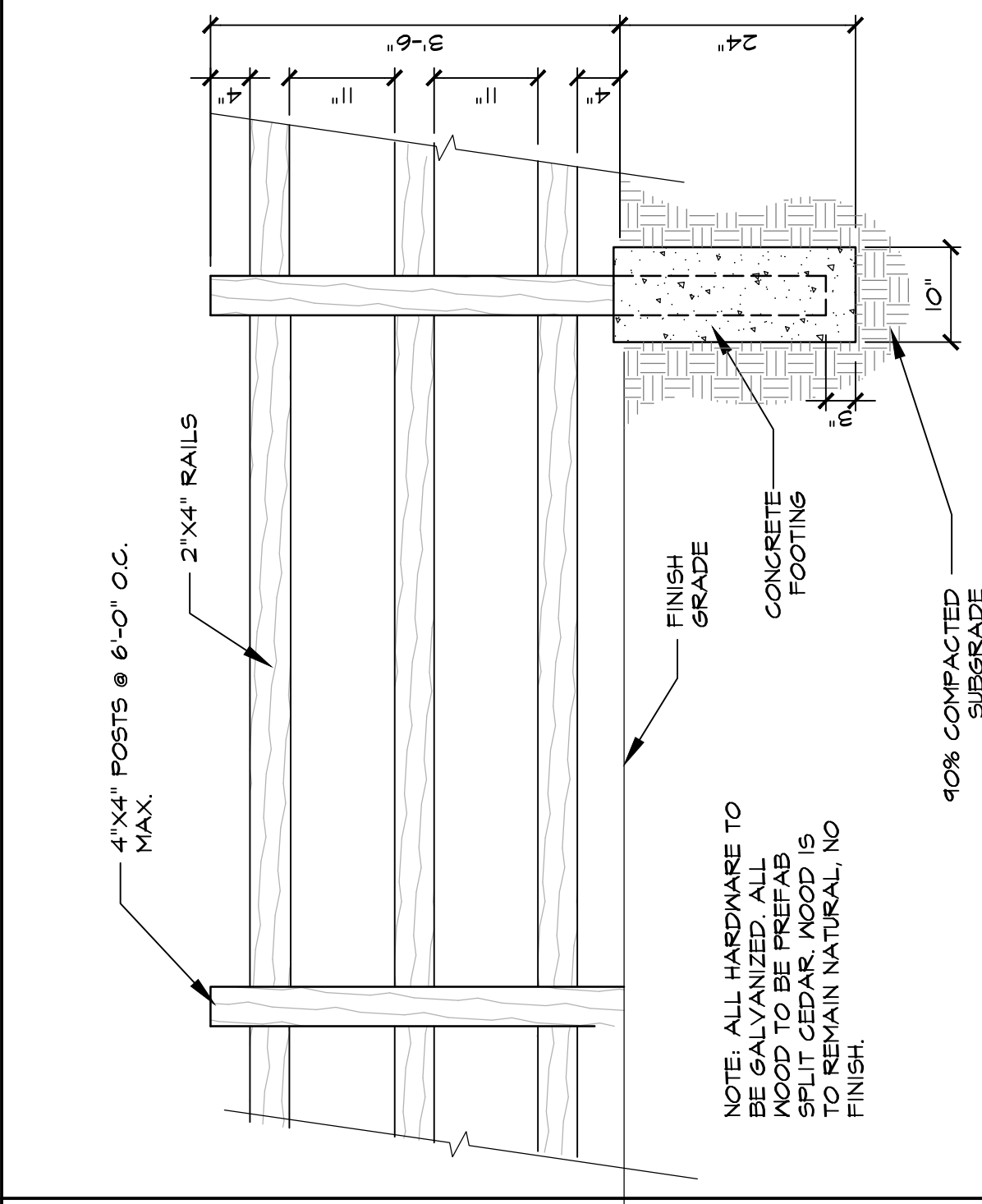
OF 16 SHEETS



NOTE:
POSTS TO BE PRESSURE TREATED DOUG FIR
ALL WOOD TO BE CONSTRUCTION COMMON
REDWOOD OR CEDAR, ROUGH, UNLESS OTHERWISE
NOTED.

WOOD VIEW FENCE

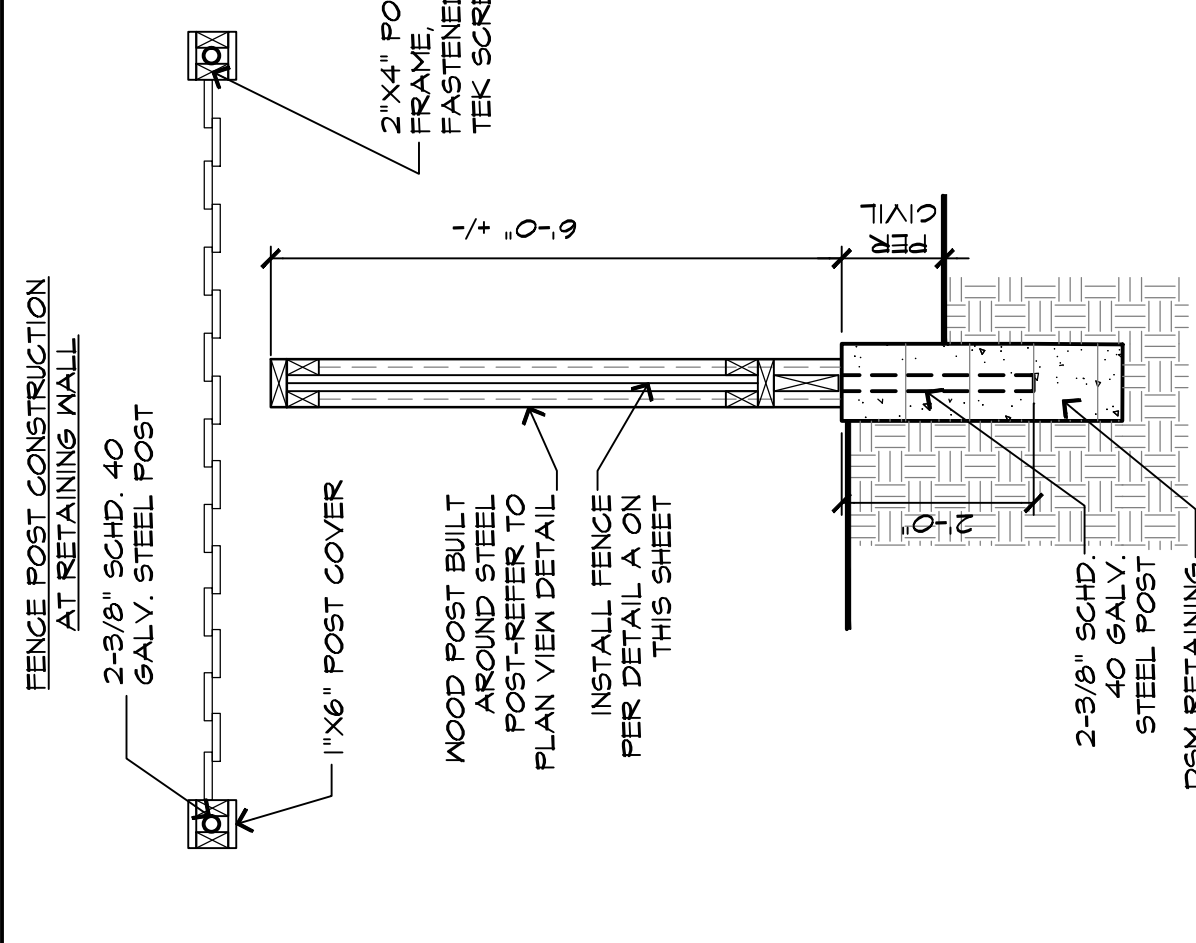
2



NOTE: ALL HARDWARE TO BE GALVANIZED. ALL WOOD TO BE PREFAB SPLIT CEDAR. WOOD IS TO REMAIN NATURAL, NO FINISH.

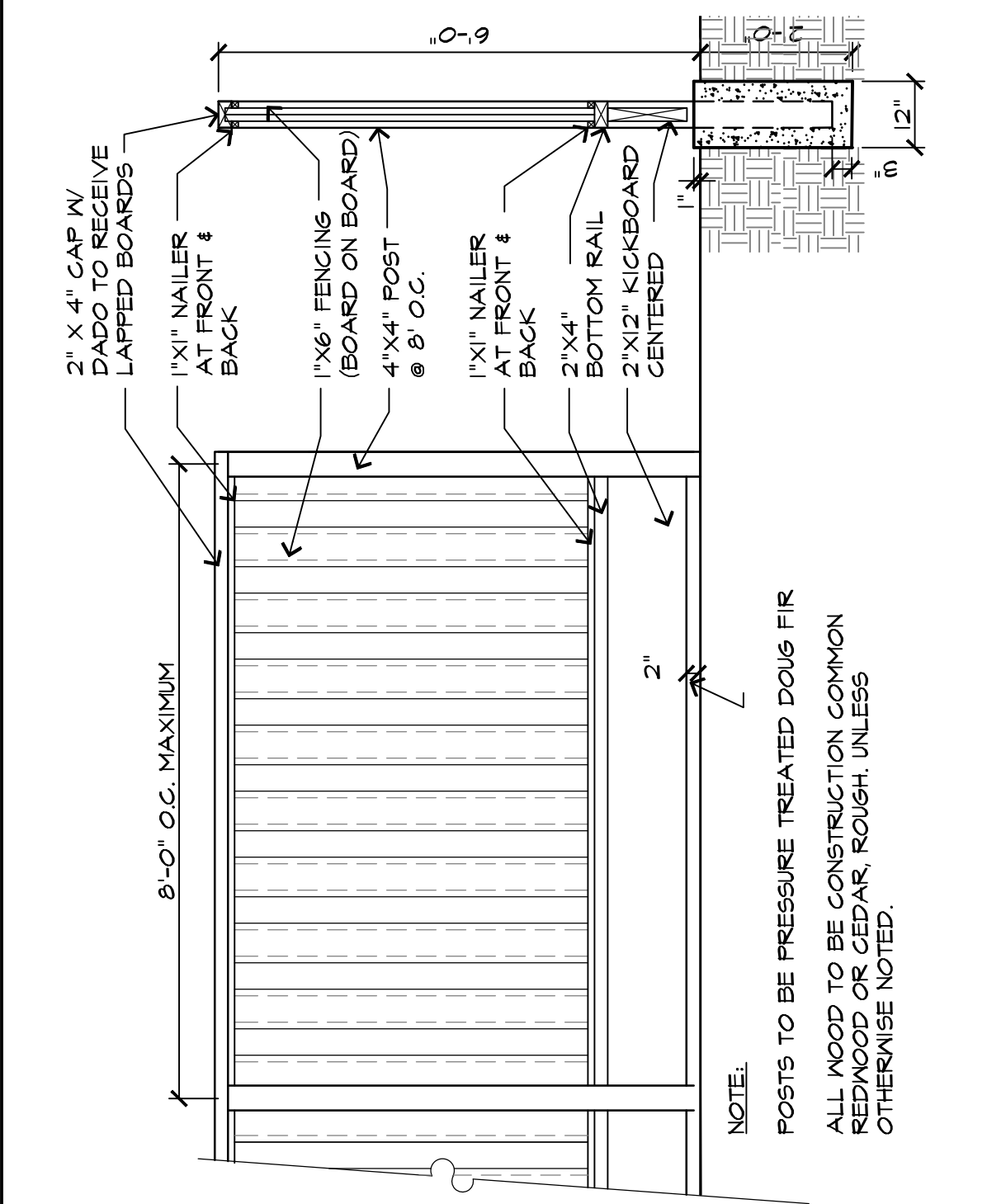
SPLIT RAIL FENCE

C

WALL PER
STRUCTURAL ENG

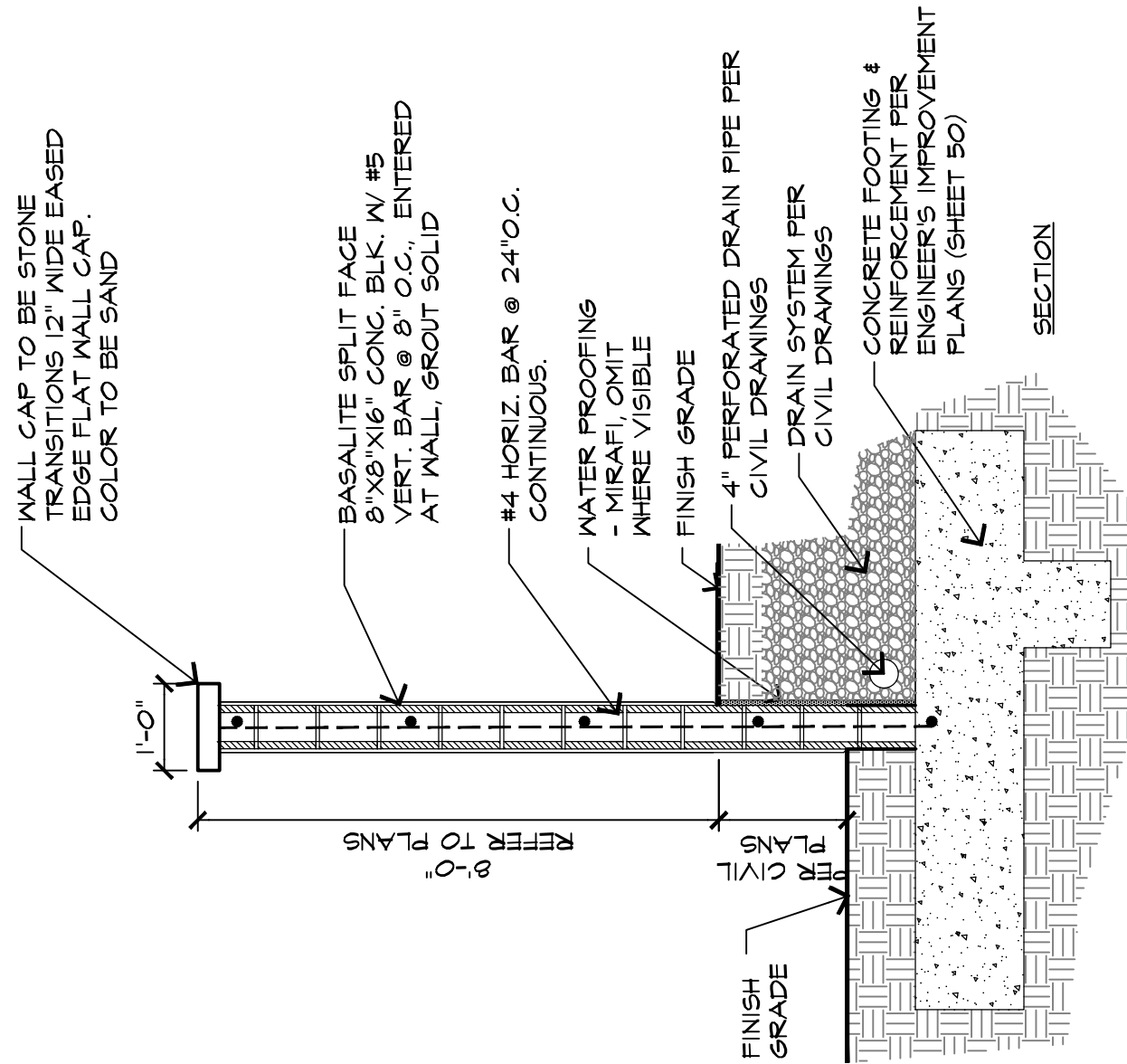
WOOD FENCE ON RETAINING WALL

□



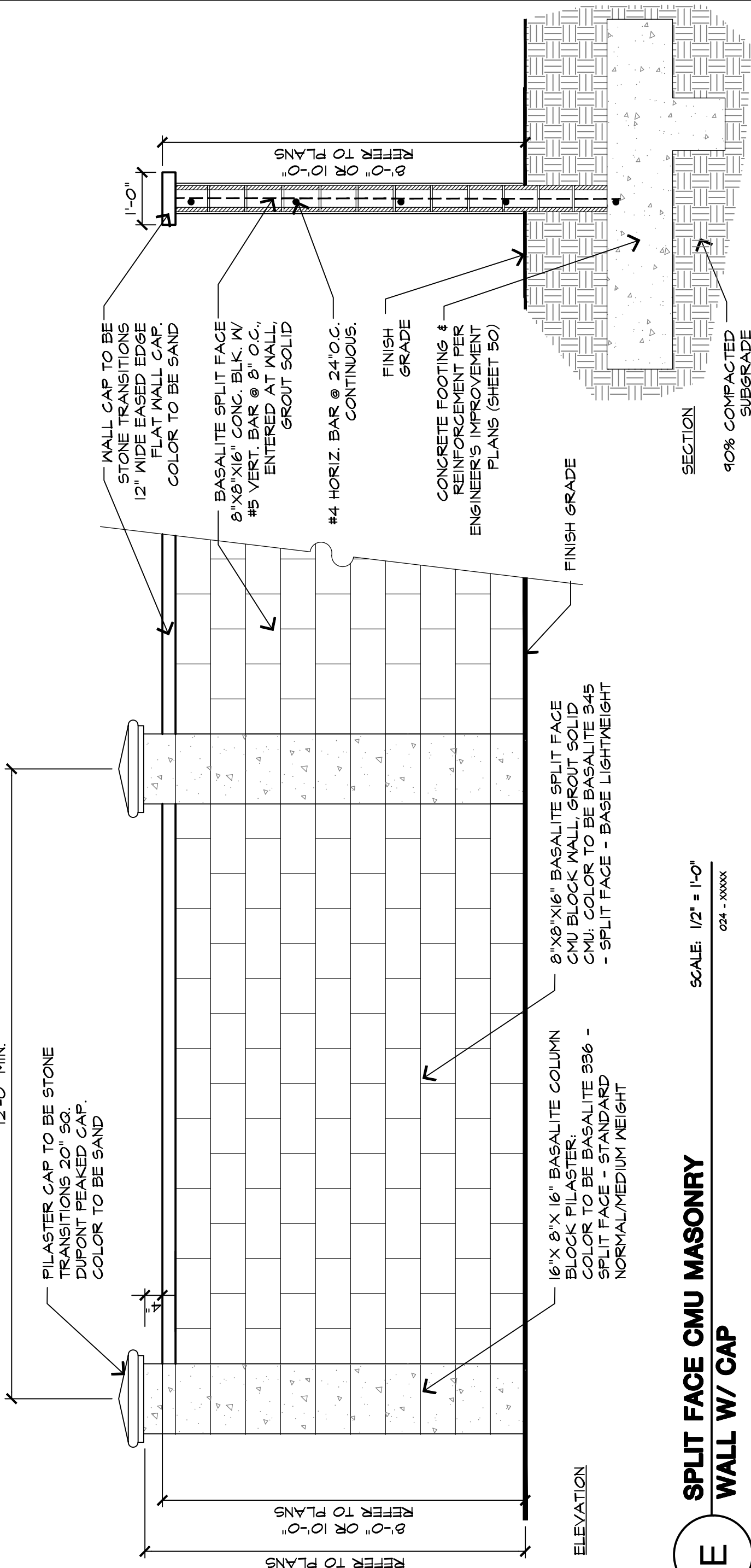
POSTS TO BE PRESSURE TREATED DOUG FIR
ALL WOOD TO BE CONSTRUCTION COMMON
REDWOOD OR CEDAR, ROUGH, UNLESS
OTHERWISE NOTED.

A **GOOD NEIGHBOR**
FENCE W/ KICKERBOARD



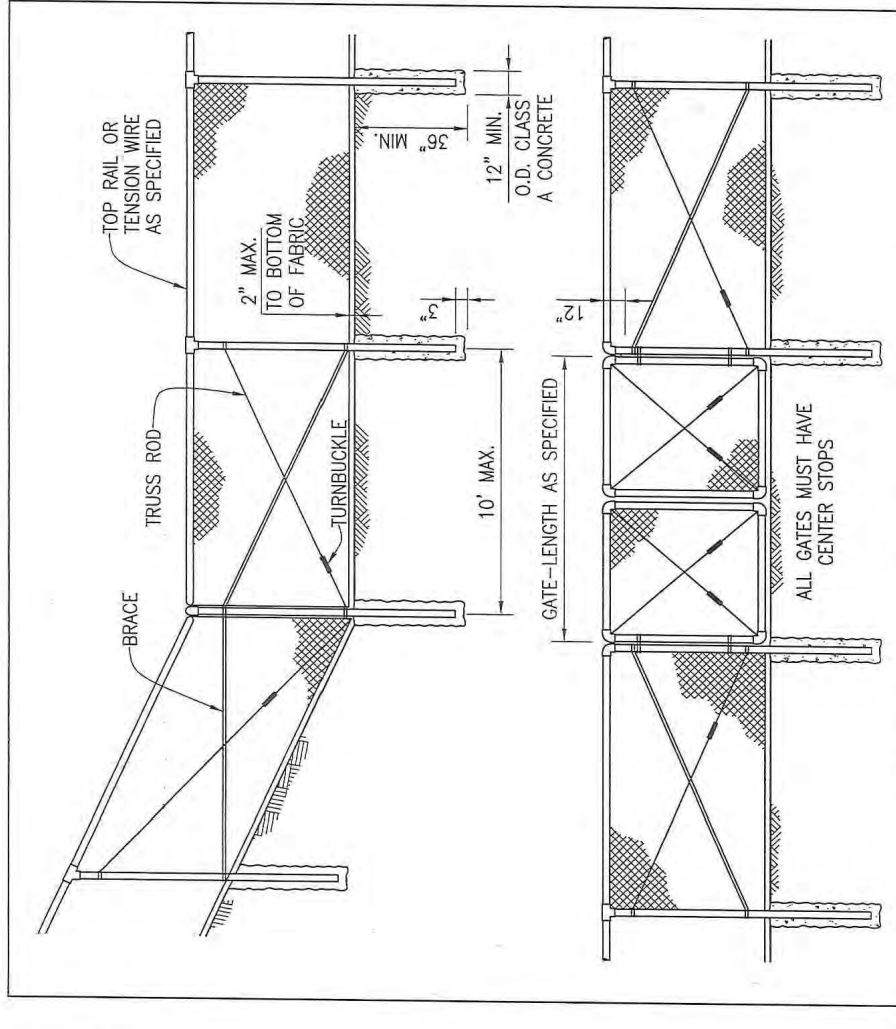
SCALE: 1/2" = 1'-0"

024 - XXXXX






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[illegible][illegible][illegible]

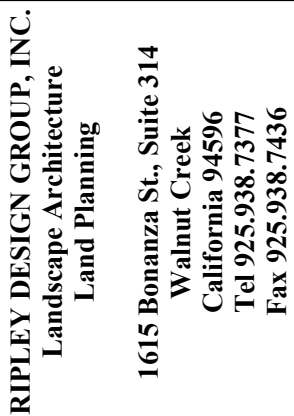
TYPICAL MEMBER DIMENSIONS					
HEIGHT	LINE POSTS	LINE POSTS & BRACES	LINE POSTS	LINE POSTS	POSTS
LESS THAN 6"	1 1/4" NOM. ID.	2" NOM. ID.	2 1/4" NOM. ID.	2 1/4"	ROUND (NOM. ID.)
6" TO 14"	1 1/2" NOM. ID.	2 1/2" NOM. ID.	3 1/4" NOM. ID.	THRU 6"	2 1/2"
14" TO 18"	1 3/4" NOM. ID.	3 1/2" NOM. ID.	3 5/8" NOM. ID.	THRU 13"	3"
18" TO 24"	2" NOM. ID.	4" NOM. ID.	4 1/4" NOM. ID.	THRU 18"	3 1/2"
24" TO 30"	2 1/4" NOM. ID.	4 1/2" NOM. ID.	4 3/4" NOM. ID.	THRU 24"	4"
30" TO 36"	2 1/2" NOM. ID.	5" NOM. ID.	5 1/4" NOM. ID.	THRU 30"	4 1/2"
36" TO 42"	2 3/4" NOM. ID.	5 1/2" NOM. ID.	5 3/4" NOM. ID.	THRU 36"	5"
42" TO 48"	3" NOM. ID.	6" NOM. ID.	6 1/4" NOM. ID.	THRU 42"	5 1/2"
48" TO 54"	3 1/4" NOM. ID.	6 1/2" NOM. ID.	6 3/4" NOM. ID.	THRU 48"	6"
54" TO 60"	3 1/2" NOM. ID.	7" NOM. ID.	7 1/4" NOM. ID.	THRU 54"	6 1/2"
60" TO 66"	3 3/4" NOM. ID.	7 1/2" NOM. ID.	7 3/4" NOM. ID.	THRU 60"	7"
66" TO 72"	4" NOM. ID.	8" NOM. ID.	8 1/4" NOM. ID.	THRU 66"	7 1/2"
72" TO 78"	4 1/4" NOM. ID.	8 1/2" NOM. ID.	8 3/4" NOM. ID.	THRU 72"	8"
78" TO 84"	4 1/2" NOM. ID.	9" NOM. ID.	9 1/4" NOM. ID.	THRU 78"	8 1/2"
84" TO 90"	4 3/4" NOM. ID.	9 1/2" NOM. ID.	9 3/4" NOM. ID.	THRU 84"	9"
90" TO 96"	5" NOM. ID.	10" NOM. ID.	10 1/4" NOM. ID.	THRU 90"	9 1/2"
96" TO 102"	5 1/4" NOM. ID.	10 1/2" NOM. ID.	10 3/4" NOM. ID.	THRU 96"	10"
102" TO 108"	5 1/2" NOM. ID.	11" NOM. ID.	11 1/4" NOM. ID.	THRU 102"	10 1/2"
108" TO 114"	5 3/4" NOM. ID.	11 1/2" NOM. ID.	11 3/4" NOM. ID.	THRU 108"	11"
114" TO 120"	6" NOM. ID.	12" NOM. ID.	12 1/4" NOM. ID.	THRU 114"	11 1/2"
120" TO 126"	6 1/4" NOM. ID.	12 1/2" NOM. ID.	12 3/4" NOM. ID.	THRU 120"	12"
126" TO 132"	6 1/2" NOM. ID.	13" NOM. ID.	13 1/4" NOM. ID.	THRU 126"	12 1/2"
132" TO 138"	6 3/4" NOM. ID.	13 1/2" NOM. ID.	13 3/4" NOM. ID.	THRU 132"	13"
138" TO 144"	7" NOM. ID.	14" NOM. ID.	14 1/4" NOM. ID.	THRU 138"	13 1/2"
144" TO 150"	7 1/4" NOM. ID.	14 1/2" NOM. ID.	14 3/4" NOM. ID.	THRU 144"	14"
150" TO 156"	7 1/2" NOM. ID.	15" NOM. ID.	15 1/4" NOM. ID.	THRU 150"	14 1/2"
156" TO 162"	7 3/4" NOM. ID.	15 1/2" NOM. ID.	15 3/4" NOM. ID.	THRU 156"	15"
162" TO 168"	8" NOM. ID.	16" NOM. ID.	16 1/4" NOM. ID.	THRU 162"	15 1/2"
168" TO 174"	8 1/4" NOM. ID.	16 1/2" NOM. ID.	16 3/4" NOM. ID.	THRU 168"	16"
174" TO 180"	8 1/2" NOM. ID.	17" NOM. ID.	17 1/4" NOM. ID.	THRU 174"	16 1/2"
180" TO 186"	8 3/4" NOM. ID.	17 1/2" NOM. ID.	17 3/4" NOM. ID.	THRU 180"	17"
186" TO 192"	9" NOM. ID.	18" NOM. ID.	18 1/4" NOM. ID.	THRU 186"	17 1/2"
192" TO 198"	9 1/4" NOM. ID.	18 1/2" NOM. ID.	18 3/4" NOM. ID.	THRU 192"	18"
198" TO 204"	9 1/2" NOM. ID.	19" NOM. ID.	19 1/4" NOM. ID.	THRU 198"	18 1/2"
204" TO 210"	9 3/4" NOM. ID.	19 1/2" NOM. ID.	19 3/4" NOM. ID.	THRU 204"	19"
210" TO 216"	10" NOM. ID.	20" NOM. ID.	20 1/4" NOM. ID.	THRU 210"	19 1/2"
216" TO 222"	10 1/4" NOM. ID.	20 1/2" NOM. ID.	20 3/4" NOM. ID.	THRU 216"	20"
222" TO 228"	10 1/2" NOM. ID.	21" NOM. ID.	21 1/4" NOM. ID.	THRU 222"	20 1/2"
228" TO 234"	10 3/4" NOM. ID.	21 1/2" NOM. ID.	21 3/4" NOM. ID.	THRU 228"	21"
234" TO 240"	11" NOM. ID.	22" NOM. ID.	22 1/4" NOM. ID.	THRU 234"	21 1/2"
240" TO 246"	11 1/4" NOM. ID.	22 1/2" NOM. ID.	22 3/4" NOM. ID.	THRU 240"	22"
246" TO 252"	11 1/2" NOM. ID.	23" NOM. ID.	23 1/4" NOM. ID.	THRU 246"	22 1/2"
252" TO 258"	11 3/4" NOM. ID.	23 1/2" NOM. ID.	23 3/4" NOM. ID.	THRU 252"	23"
258" TO 264"	12" NOM. ID.	24" NOM. ID.	24 1/4" NOM. ID.	THRU 258"	23 1/2"
264" TO 270"	12 1/4" NOM. ID.	24 1/2" NOM. ID.	24 3/4" NOM. ID.	THRU 264"	24"
270" TO 276"	12 1/2" NOM. ID.	25" NOM. ID.	25 1/4" NOM. ID.	THRU 270"	24 1/2"
276" TO 282"	12 3/4" NOM. ID.	25 1/2" NOM. ID.	25 3/4" NOM. ID.	THRU 276"	25"
282" TO 288"	13" NOM. ID.	26" NOM. ID.	26 1/4" NOM. ID.	THRU 282"	25 1/2"
288" TO 294"	13 1/4" NOM. ID.	26 1/2" NOM. ID.	26 3/4" NOM. ID.	THRU 288"	26"
294" TO 300"	13 1/2" NOM. ID.	27" NOM. ID.	27 1/4" NOM. ID.	THRU 294"	26 1/2"
300" TO 306"	13 3/4" NOM. ID.	27 1/2" NOM. ID.	27 3/4" NOM. ID.	THRU 300"	27"
306" TO 312"	14" NOM. ID.	28" NOM. ID.	28 1/4" NOM. ID.	THRU 306"	27 1/2"
312" TO 318"	14 1/4" NOM. ID.	28 1/2" NOM. ID.	28 3/4" NOM. ID.	THRU 312"	28"
318" TO 324"	14 1/2" NOM. ID.	29" NOM. ID.	29 1/4" NOM. ID.	THRU 318"	28 1/2"
324" TO 330"	14 3/4" NOM. ID.	29 1/2" NOM. ID.	29 3/4" NOM. ID.	THRU 324"	29"
330" TO 336"	15" NOM. ID.	30" NOM. ID.	30 1/4" NOM. ID.	THRU 330"	29 1/2"
336" TO 342"	15 1/4" NOM. ID.	30 1/2" NOM. ID.	30 3/4" NOM. ID.	THRU 336"	30"
342" TO 348"	15 1/2" NOM. ID.	31" NOM. ID.	31 1/4" NOM. ID.	THRU 342"	30 1/2"
348" TO 354"	15 3/4" NOM. ID.	31 1/2" NOM. ID.	31 3/4" NOM. ID.	THRU 348"	31"
354" TO 360"	16" NOM. ID.	32" NOM. ID.	32 1/4" NOM. ID.	THRU 354"	31 1/2"
360" TO 366"	16 1/4" NOM. ID.	32 1/2" NOM. ID.	32 3/4" NOM. ID.	THRU 360"	32"
366" TO 372"	16 1/2" NOM. ID.	33" NOM. ID.	33 1/4" NOM. ID.	THRU 366"	32 1/2"
372" TO 378"	16 3/4" NOM. ID.	33 1/2" NOM. ID.	33 3/4" NOM. ID.	THRU 372"	33"
378" TO 384"	17" NOM. ID.	34" NOM. ID.	34 1/4" NOM. ID.	THRU 378"	33 1/2"
384" TO 390"	17 1/4" NOM. ID.	34 1/2" NOM. ID.	34 3/4" NOM. ID.	THRU 384"	34"
390" TO 396"	17 1/2" NOM. ID.	35" NOM. ID.	35 1/4" NOM. ID.	THRU 390"	34 1/2"
396" TO 402"	17 3/4" NOM. ID.	35 1/2" NOM. ID.	35 3/4" NOM. ID.	THRU 396"	35"
402" TO 408"	18" NOM. ID.	36" NOM. ID.	36 1/4" NOM. ID.	THRU 402"	35 1/2"
408" TO 414"	18 1/4" NOM. ID.	36 1/2" NOM. ID.	36 3/4" NOM. ID.	THRU 408"	36"
414" TO 420"	18 1/2" NOM. ID.	37" NOM. ID.	37 1/4" NOM. ID.	THRU 414"	36 1/2"
420" TO 426"	18 3/4" NOM. ID.	37 1/2" NOM. ID.	37 3/4" NOM. ID.	THRU 420"	37"
426" TO 432"	19" NOM. ID.	38" NOM. ID.	38 1/4" NOM. ID.	THRU 426"	37 1/2"
432" TO 438"	19 1/4" NOM. ID.	38 1/2" NOM. ID.	38 3/4" NOM. ID.	THRU 432"	38"
438" TO 444"	19 1/2" NOM. ID.	39" NOM. ID.	39 1/4" NOM. ID.	THRU 438"	38 1/2"
444" TO 450"	19 3/4" NOM. ID.	39 1/2" NOM. ID.	39 3/4" NOM. ID.	THRU 444"	39"
450" TO 456"	20" NOM. ID.	40" NOM. ID.	40 1/4" NOM. ID.	THRU 450"	39 1/2"
456" TO 462"	20 1/4" NOM. ID.	40 1/2" NOM. ID.	40 3/4" NOM. ID.	THRU 456"	40"
462" TO 468"	20 1/2" NOM. ID.	41" NOM. ID.	41 1/4" NOM. ID.	THRU 462"	40 1/2"
468" TO 474"	20 3/4" NOM. ID.	41 1/2" NOM. ID.	41 3/4" NOM. ID.	THRU 468"	41"
474" TO 480"	21" NOM. ID.	42" NOM. ID.	42 1/4" NOM. ID.	THRU 474"	41 1/2"
480" TO 486"	21 1/4" NOM. ID.	42 1/2" NOM. ID.	42 3/4" NOM. ID.	THRU 480"	42"
486" TO 492"	21 1/2" NOM. ID.	43" NOM. ID.	43 1/4" NOM. ID.	THRU 486"	42 1/2"
492" TO 498"	21 3/4" NOM. ID.	43 1/2" NOM. ID.	43 3/4" NOM. ID.	THRU 492"	43"
498" TO 504"	22" NOM. ID.	44" NOM. ID.	44 1/4" NOM. ID.	THRU 498"	43 1/2"
504" TO 510"	22 1/4" NOM. ID.	44 1/2" NOM. ID.	44 3/4" NOM. ID.	THRU 504"	44"
510" TO 516"	22 1/2" NOM. ID.	45" NOM. ID.	45 1/4" NOM. ID.	THRU 510"	44 1/2"
516" TO 522"	22 3/4" NOM. ID.	45 1/2" NOM. ID.	45 3/4" NOM. ID.	THRU 516"	45"
522" TO 528"	23" NOM. ID.	46" NOM. ID.	46 1/4" NOM. ID.	THRU 522"	45 1/2"
528" TO 534"	23 1/4" NOM. ID.	46 1/2" NOM. ID.	46 3/4" NOM. ID.	THRU 528"	46"
534" TO 540"	23 1/2" NOM. ID.	47" NOM. ID.	47 1/4" NOM. ID.	THRU 534"	46 1/2"
540" TO 546"	23 3/4" NOM. ID.	47 1/2" NOM. ID.	47 3/4" NOM. ID.	THRU 540"	47"
546" TO 552"	24" NOM. ID.	48" NOM. ID.	48 1/4" NOM. ID.	THRU 546"	47 1/2"
552" TO 558"	24 1/4" NOM. ID.	48 1/2" NOM. ID.	48 3/4" NOM. ID.	THRU 552"	48"
558" TO 564"	24 1/2" NOM. ID.	49" NOM. ID.	49 1/4" NOM. ID.	THRU 558"	48 1/2"
564" TO 570"	24 3/4" NOM. ID.	49 1/2" NOM. ID.	49 3/4" NOM. ID.	THRU 564"	49"
570" TO 576"	25" NOM. ID.	50" NOM. ID.	50 1/4" NOM. ID.	THRU 570"	49 1/2"
576" TO 582"	25 1/4" NOM. ID.	50 1/2" NOM. ID.	50 3/4" NOM. ID.	THRU 576"	50"
582" TO 588"	25 1/2" NOM. ID.	51" NOM. ID.	51 1/4" NOM. ID.	THRU 582"	50 1/2"
588" TO 594"	25 3/4" NOM. ID.	51 1/2" NOM. ID.	51 3/4" NOM. ID.	THRU 588"	51"
594" TO 600"	26" NOM. ID.	52" NOM. ID.	52 1/4" NOM. ID.	THRU 594"	51 1/2"
600" TO 606"	26 1/4" NOM. ID.	52 1/2" NOM. ID.	52 3/4" NOM. ID.	THRU 600"	52"
606" TO 612"	26 1/2" NOM. ID.	53" NOM. ID.	53 1/4" NOM. ID.	THRU 606"	52 1/2"
612" TO 618"	26 3/4" NOM. ID.	53 1/2" NOM. ID.	53 3/4" NOM. ID.	THRU 612"	53"
618" TO 624"	27" NOM. ID.	54" NOM. ID.	54 1/4" NOM. ID.	THRU 618"	53 1/2"
624" TO 630"	27 1/4" NOM. ID.	54 1/2" NOM. ID.	54 3/4" NOM. ID.	THRU 624"	54"
630" TO 636"	27 1/2" NOM. ID.	55" NOM. ID.	55 1/4" NOM. ID.	THRU 630"	54 1/2"
636" TO 642"	27 3/4" NOM. ID.	55 1/2" NOM. ID.	55 3/4" NOM. ID.	THRU 636"	55"
642" TO 648"	28" NOM. ID.	56" NOM. ID.	56 1/4" NOM. ID.	THRU 642"	55 1/2"
648" TO 654"	28 1/4" NOM. ID.	56 1/2" NOM. ID.	56 3/4" NOM. ID.	THRU 648"	56"
654" TO 660"	28 1/2" NOM. ID.	57" NOM. ID.	57 1/4" NOM. ID.	THRU 654"	56 1/2"
660" TO 666"	28 3/4" NOM. ID.	57 1/2" NOM. ID.	57 3/4" NOM. ID.	THRU 660"	57"
666" TO 672"	29" NOM. ID.	58" NOM. ID.	58 1/4" NOM. ID.	THRU 666"	57 1/2"
672" TO 678"	29 1/4" NOM. ID.	58 1/2" NOM. ID.	58 3/4" NOM. ID.	THRU 672"	58"
678" TO 684"	29 1/2" NOM. ID.	59" NOM. ID.	59 1/4" NOM. ID.	THRU 678"	58 1/2"
684" TO 690"	29 3/4" NOM. ID.	59 1/2" NOM. ID.	59 3/4" NOM. ID.	THRU 684"	59"
690" TO 696"	30" NOM. ID.	60" NOM. ID.	60 1/4" NOM. ID.	THRU 690"	59 1/2"
696" TO 702"	30 1/4" NOM. ID.	60 1/2" NOM. ID.	60 3/4" NOM. ID.	THRU 696"	60"
702" TO 708"	30 1/2" NOM. ID.	61" NOM. ID.	61 1/4" NOM. ID.	THRU 702"	60 1/2"
708" TO 714"	30 3/4" NOM. ID.	61 1/2" NOM. ID.	61 3/4" NOM. ID.	THRU 708"	61"
714" TO 720"	31" NOM. ID.	62" NOM. ID.	62 1/4" NOM. ID.	THRU 714"	61 1/2"
720" TO 726"	31 1/4" NOM. ID.	62 1/2" NOM. ID.	62 3/4" NOM. ID.	THRU 720"	62"
726" TO 732"	31 1/2" NOM. ID.	63" NOM. ID.	63 1/4" NOM. ID.	THRU 726"	62 1/2"
732" TO 738"	31 3/4" NOM. ID.	63 1/2" NOM. ID.	63 3/4" NOM. ID.	THRU 732"	63"
738" TO 744"	32" NOM. ID.	64" NOM. ID.	64 1/4" NOM. ID.	THRU 738"	63 1/2"
744" TO 750"	32 1/4" NOM. ID.	64 1/2" NOM. ID.	64 3/4" NOM. ID.	THRU 744"	64"
750" TO 756"	32 1/2" NOM. ID.	65" NOM. ID.	65 1/4" NOM. ID.	THRU 750"	64 1/2"
756" TO 762"	32 3/4" NOM. ID.	65 1/2" NOM. ID.	65 3/4" NOM. ID.	THRU 756"	65"
762" TO 768"	33" NOM. ID.	66" NOM. ID.	66 1/4" NOM. ID.	THRU 762"	65 1/2"
768" TO 774"	33 1/4" NOM. ID.	66 1/2" NOM. ID.	66 3/4" NOM. ID.	THRU 768"	66"
774" TO 780"	33 1/2" NOM. ID.	67" NOM. ID.	67 1/4" NOM. ID.	THRU 774"	66 1/2"
780" TO 786"	33 3/4" NOM. ID.	67 1/2" NOM. ID.	67 3/4" NOM. ID.	THRU 780"	67"
786" TO 792"	34" NOM. ID.	68" NOM. ID.	68 1/4" NOM. ID.	THRU 786"	67 1/2"
792" TO 798"	34 1/4" NOM. ID.	68 1/2" NOM. ID.	68 3/4" NOM. ID.	THRU 792"	68"
798" TO 804"	34 1/2" NOM. ID.	69" NOM. ID.	69 1/4" NOM. ID.	THRU 798"	68 1/2"
804" TO 810"	34 3/4" NOM. ID.	69 1/2" NOM. ID.	69 3/4" NOM. ID.	THRU 804"	69"
810" TO 816"	35" NOM. ID.	70" NOM. ID.	70 1/4" NOM. ID.	THRU 810"	69 1/2"
816" TO 822"	35 1/4" NOM. ID.	70 1/2" NOM. ID.	70 3/4" NOM. ID.	THRU 816"	70"
822" TO 828"	35 1/2" NOM. ID.	71" NOM. ID.	71 1/4" NOM. ID.	THRU 822"	70 1/2"
828" TO 834"	35 3/4" NOM. ID.	71 1/2" NOM. ID.	71 3/4" NOM. ID.	THRU 828"	71"
834" TO 840"	36" NOM. ID.	72" NOM. ID.	72 1/4" NOM. ID.	THRU 834"	71 1/2"
840" TO 846"	36 1/4" NOM. ID.	72 1/2" NOM. ID.	72 3/4" NOM. ID.	THRU 840"	72"
846" TO 852"	36 1/2" NOM. ID.	73" NOM. ID.	73 1/4" NOM. ID.	THRU 846"	72 1/2"
852" TO 858"	36 3/4" NOM. ID.	73 1/2" NOM. ID.	73 3/4" NOM. ID.	THRU 852"	73"
858" TO 864"	37" NOM. ID.	74" NOM. ID.	74 1/4" NOM. ID.	THRU 858"	73 1/2"
864" TO 870"	37 1/4" NOM. ID.	74 1/2" NOM. ID.	74 3/4" NOM. ID.	THRU 864"	74"
870" TO 876"	37 1/2" NOM. ID.	75" NOM. ID.	75 1/4" NOM. ID.	THRU 870"	74 1/2"
876" TO 882"	37 3/4" NOM. ID.	75 1/2" NOM. ID.	75 3/4" NOM. ID.	THRU 876"	75"
882" TO 888"	38" NOM. ID.	76" NOM. ID.	76 1/4" NOM. ID.	THRU 882"	75 1/2"
888" TO 894"	38 1/4" NOM. ID.	76 1/2" NOM. ID.	76 3/4" NOM. ID.	THRU 888"	76"
894" TO 900"	38 1/2" NOM. ID.	77" NOM. ID.	77 1/4" NOM. ID.	THRU 894"	76 1/2"
900" TO 906"	38 3/4" NOM. ID.	77 1/2" NOM. ID.	77 3/4" NOM. ID.	THRU 900"	77"
906" TO 912"	39" NOM. ID.	78" NOM. ID.	78 1/4" NOM. ID.	THRU 906"	77 1/2"
912" TO 918"	39 1/4" NOM. ID.	78 1/2" NOM. ID.	78 3/4" NOM. ID.	THRU 912"	78"
918" TO 924"	39 1/2" NOM. ID.	79" NOM. ID.	79 1/4" NOM. ID.	THRU 918"	78 1/2"
924" TO 930"	39 3/4" NOM. ID.	79 1/2" NOM. ID.	79 3/4" NOM. ID.	THRU 924"	79"
930" TO 936"	40" NOM. ID.	80" NOM. ID.			

	CITY OF ANTIOCH		APPROVED BY:  DON BLANK, P.E. PUBLICATIONS DIRECTOR/CITY ENGINEER DATE: <u>July 2019</u>
	DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES CHAIN LINK FENCE		
DRAWN BY: S. Rodriguez REVISIONS: 7/2019	L-01 (SHEET 1 of 4)		

 CITY OF ANTIOCH DEPARTMENT OF PUBLIC WORKS — ENGINEERING SERVICES	CHAIN LINK FENCE		APPROVED BY: <i>[Signature]</i> JON BLANK, P.E. PUBLIC WORKS DIRECTOR CHAIRMAN
	L-01 (SHEET 2 of 4)		DATE: <i>11/11/19</i>

	CITY OF ANTIOCH DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES	
	CHAIN LINK FENCE	APPROVED BY: <i>[Signature]</i> JON BLANK, P.E. PUBLIC WORKS DIRECTOR CITY ENGINEER DATE: <u>JULY 2019</u>
DESIGNED BY: S. Rodriguez DOWNS: 7/2019		L-01 (SHEET 3 of 4)

	<p align="center">CITY OF ANTIOCH DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES</p>	
	<p>DESIGNED BY: <u>S. Rodriguez</u> ONS: 7/2019</p>	<p>APPROVED BY: <u>[Signature]</u> <u>JOHN BLANK, P.E.</u> PUBLIC WORKS DIRECTOR</p>
<p align="center">CHAIN LINK FENCE</p>		<p align="center">L-01 (SHEET 4 of 4)</p>
		<p align="right">CITY ENGINEER DATE: <u>JULY 2019</u></p>



DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

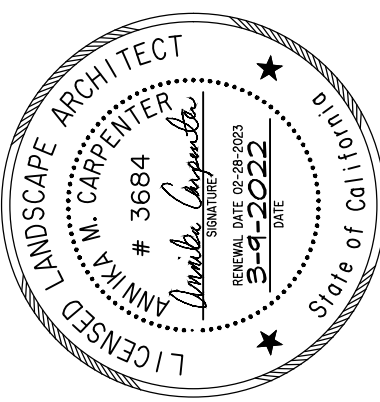
TEL. 707-389-7516

PROJECT:

**LAUREL
RANCH
-
SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

**SINGLE
FAMILY
DETACHED
FRONT YARD
TYPICALS**



PROJECT #:

DATE: MAR. 9, 2022

SCALE: 1"=10'

CHECKED BY: AMC

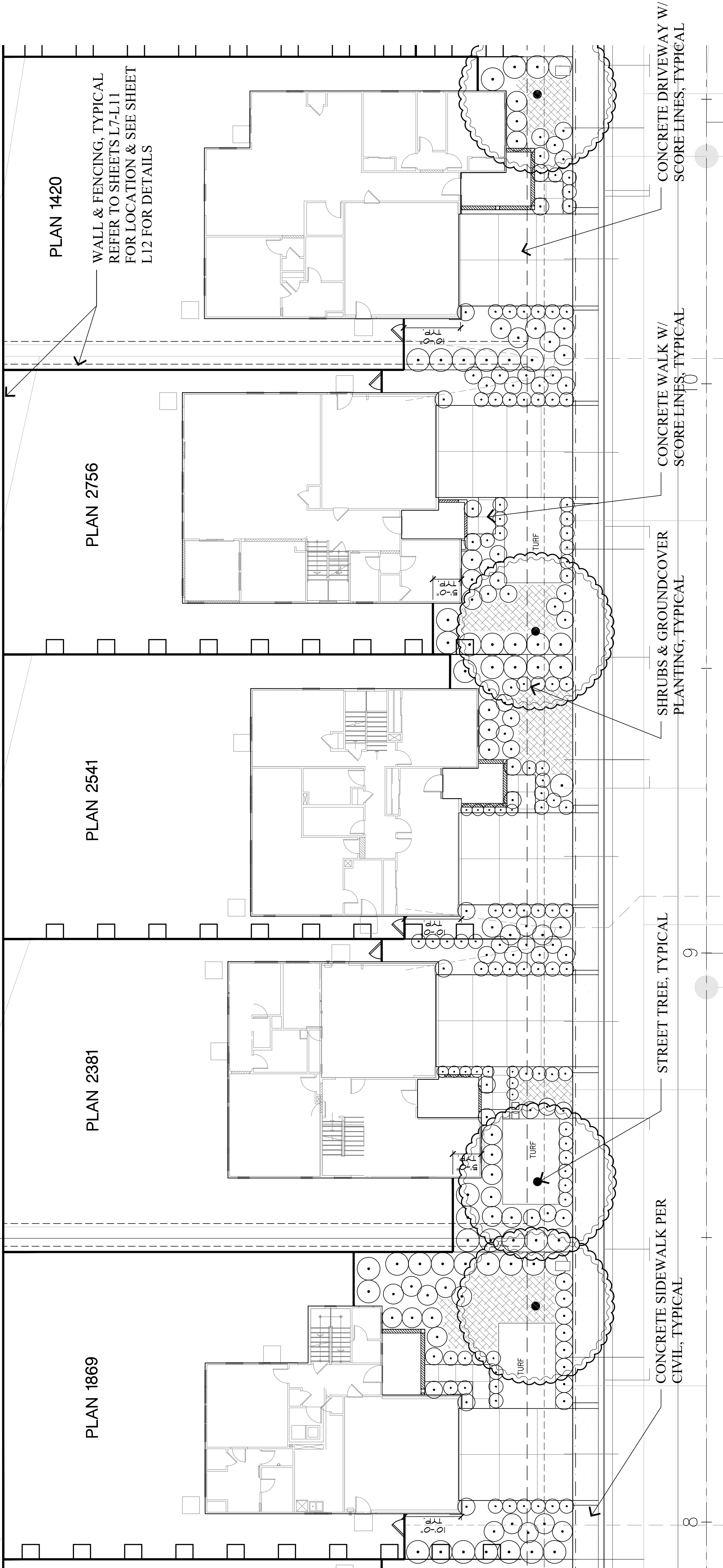
REVISIONS:

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SHEET

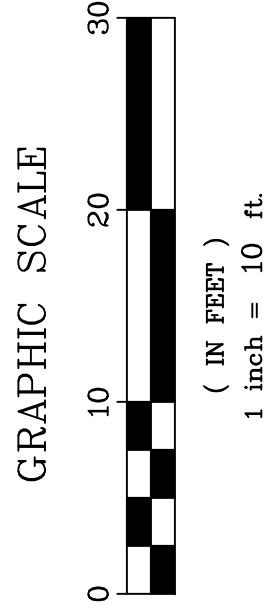
L13

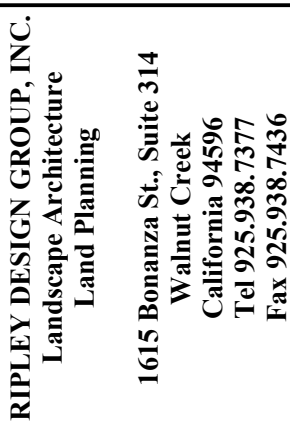
OF 16 SHEETS



PRELIMINARY PLANT PALETTE LEGEND

ELEVATION - TRADITIONAL FARMHOUSE					ELEVATION - CONTEMPORARY FARMHOUSE					ELEVATION - SPANISH				
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES SEE PROPOSED PRELIMINARY TREE PLAN					TREES SEE PROPOSED PRELIMINARY TREE PLAN					TREES SEE STREET TREE PLAN SHEET TP1				
SHRUBS					SHRUBS					SHRUBS				
OS SKA	CISTUS X SKANBERGII	PINK ROCKROSE	1 GALLON	LOW	ANH 'B.P.'	ANIGOSANTHOS 'BUSH PEARL'	DWARF PINK KANGAROO PAW	5 GALLON	LOW	BUD DAV	BUDLEIA DAVIDI	BUTTERFLY BUSH	5 GALLON	MEDIUM
DE BIC	DIENTES BICOLOR	FORTNIGHT LILY	1 GALLON	LOW	ARC 'H.M.'	ARCTOSTAPHYLOS 'HOWARD MOMINI'	MANZANITA	5 GALLON	LOW	CAREX TUMULOCOLA	CAREX TUMULOCOLA	BERKLEY SEDGE	1 GALLON	LOW
LIAN 'CON'	LANTANA CAMARA 'CONFETTI'	SPREADING LANTANA	1 GALLON	MEDIUM	CHO 'T.C.'	CHONOROPETALUM 'TECTURUM'	CAPE RUSH	5 GALLON	LOW	EUDORICA MANIS	EUDORICA MANIS	BORLEAF EUDORICA	1 GALLON	LOW
MYX 'CON'	MYRTUS COMMUNIS 'MINSTEAD'	SPREADING MYRTLE	5 GALLON	LOW	FLOR 'M.C.'	FLORINDA PEREZII	SEA LAVENDER	1 GALLON	MEDIUM	EUDORICA MANIS	EUDORICA MANIS	BORLEAF EUDORICA	1 GALLON	LOW
MYX 'CON'	MYRTUS COMMUNIS 'COMPACTA'	DWARF MYRTLE	1 GALLON	LOW	LOW 'BRE'	LOWMANDRA LONGIFOLIA 'BREEZE'	SWAMP MAT RUSH	5 GALLON	MEDIUM	DE IRI	DIETES IRIOIDES	FORTNIGHT LILY	1 GALLON	LOW
NET FAA	NETPETA FASSEINI	CATWIND	1 GALLON	LOW	LOR 'P.P.'	LOROPETALUM CHINENSIS 'PURPLE PIXIE'	DWARF MAT RUSH	5 GALLON	MEDIUM	DE NOE	GREVILLEA 'NOELL'	WOOLY GREVILLEA	1 GALLON	LOW
PRO 'B.T.'	PROUNCE BRIGHT '1, SNOW'	BRIGHT & TIGHT LAUREL	5 GALLON	MEDIUM	NAN 'H.D.'	NANDINA 'HARBOR DWARF'	HEAVENLY BAMBOO	5 GALLON	LOW	LAN 'C.H.'	LANTANA 'CHAPEL HILL 'YELLOW'	CHAPEL HILL LANTANA	1 GALLON	LOW
AM'S 'S.W.'	AMMANTHUS 'S.W.'	INDIA HAWTHORN	5 GALLON	LOW	PHO 'T.W.'	PHORMIUM 'YELLOW WAVE' CASE'	NEW ZEALAND FLAX	5 GALLON	MEDIUM	LAY 'W.R.'	LATA TERA WHIRITARA	FREE WILLOW	1 GALLON	LOW
STA BIZ	STACHYS BYZANTINUM	CAMP'S EAR	5 GALLON	LOW	WES 'W.H.'	WESTRINGIA 'WYNABABE HIGHLIGHT'	AUSTRALIAN ROSEMARY	5 GALLON	LOW	RHA 'BAL'	RHAPHIOLEPIS 'BALLERINA'	INDIA HAWTHORN	5 GALLON	MEDIUM
XYL 'CON'	XYLOSMA 'COMPACTA'	SHINY XYLOSMA	5 GALLON	LOW						SAL 'L.L.'	SALVIA MEXICANA 'LIMELIGHT'	LIMELIGHT MEXICAN SAGE	1 GALLON	LOW
GROUND COVERS					GROUND COVERS					GROUND COVERS				
VERBENA LILAONA	DE LA MINA'	CEDROS ISLAND VERBENA	1 GALLON	LOW	ARCTOSTAPHYLOS 'PIGEON POINT'	PIGEON POINT MANZANITA			LOW	ROSEMARYS	ROSEMARYS	ROSEMARY	1 GALLON	LOW
1 GAL AT 36" O.C.					1 GAL AT 36" O.C.					1 GAL AT 36" O.C.				
TALL FESQUE TURF					TALL FESQUE TURF					TALL FESQUE TURF				
BOLERO - SODDED TURF					BOLERO - SODDED TURF					BOLERO - SODDED TURF				
AVAILABLE FROM DELTA BLUE GRASS					AVAILABLE FROM DELTA BLUE GRASS					AVAILABLE FROM DELTA BLUE GRASS				
TURF					TURF					TURF				





DEVELOPER:

**KB HOME
NORTH BAY**

**4830 BUSINESS CENTER
DRIVE, SUITE 150
FAIRFIELD, CA 94534**

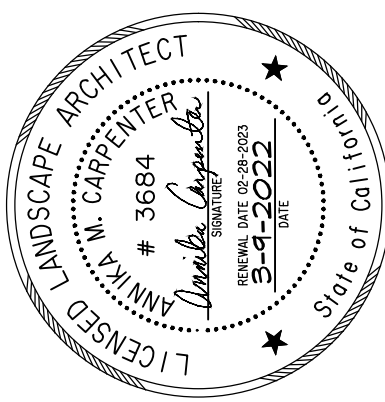
TEL. 707-389-7516

PROJECT:

**LAUREL
RANCH
-
SUBDIVISION
8741**

**ANTIOCH,
CALIFORNIA**

**PRIVATE LANE
CLUSTER LOT
FRONT YARD
TYPICALS**



PROJECT #:

DATE: MAR. 9, 2022

SCALE: 1"=10'

DRAWN BY: AMC

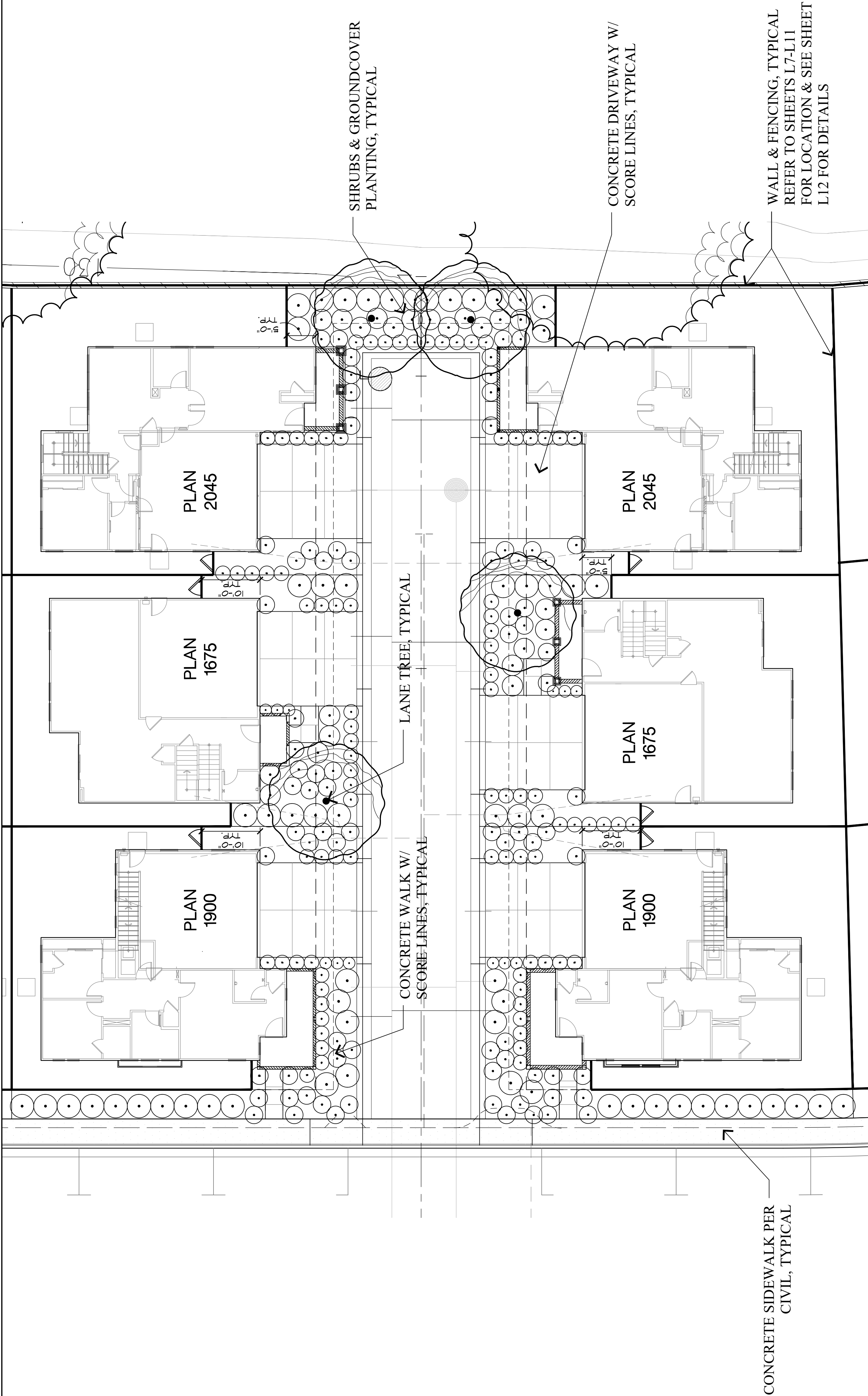
REVISIONS:

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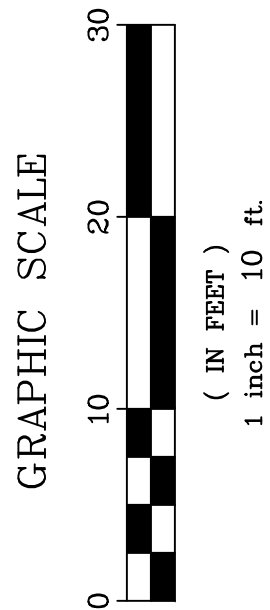
SHEET

L14

OF 16 SHEETS



PRELIMINARY PLANT PALETTE LEGEND

[illegible]

Date: 01.27.22

Project: Laurel Ranch Park

Location: Antioch, CA

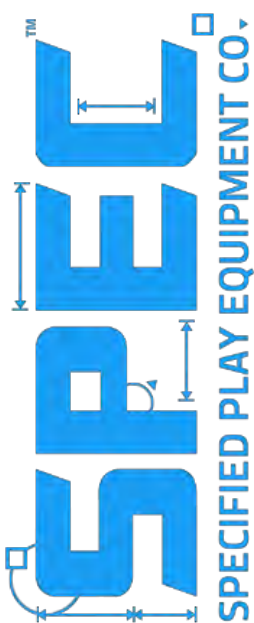
Landscape Architect: Ripley Design Group

Supplier/Manufacturer: SPEC/BURKE

Playground Equipment Submittal

Contents

Summary Page.....	2
Top View, Components, Elevations.....	3-5
Color Renderings.....	6-7
Footing layouts/details.....	8-11
Component Cut Sheets.....	12-116
Color Options.....	117-118
Warranty.....	119
3-Part Specification.....	120-139



121 #1 INDUSTRIAL RD. BELMONT, CA 94002
www.SPECPLAY.com | 800.475.1071



DESIGN SUMMARY

Specified Play Equipment Company is very pleased to present this proposal for consideration for the Laurel Ranch Park located in Antioch. BCI Burke Company, LLC has been providing recreational playground equipment for over 90 years and has developed the right mix of world-class capabilities to meet the initial and continuing needs of Ripley Design Group. We believe our proposal will meet or exceed your project's requirements and will deliver the greatest value to you.

The following is a summary of some of the key elements of our proposal:

- Project Name: Laurel Ranch Park
- Project Number: 137-139520-2
- User Capacity: 91
- Age Groups: Ages 2-5 years, 5-12 years
- Dimensions: 51' 6" x 35' 8"
- Designer Name: Pa Der Vang

Specified Play Equipment Company has developed a custom playground configuration based on the requirements as they have been presented for the Laurel Ranch Park playground project. Our custom design will provide a safe and affordable playground environment that is aesthetically pleasing, full of fun for all users and uniquely satisfies your specific requirements. In addition, proposal # 137-139520-2 has been designed with a focus on safety, and is fully compliant with ASTM F1487 and CPSC playground safety standards.

We invite you to review this proposal for the Laurel Ranch Park playground project and to contact us with any questions that you may have.

Thank you in advance for giving us the opportunity to make this project a success.

INFORMATION

MINIMUM FALL ZONE
SURFACED WITH
RESILIENT MATERIAL
AREA

1123 SQ.FT.

PERIMETER
148 FT.

STRUCTURE SIZE
51' 6" x 35' 8"

STRUCTURE IS DESIGNED
FOR CHILDREN AGES:

☐ 6-23 MONTH OLDS

☒ 2-5 YEAR OLDS

☒ 5-12 YEAR OLDS

☐ 13 + YEAR OLDS

NSF

NSF

Registered
to ISO 9001

Registered
to ISO 14001

INTERNATIONAL PLAY EQUIPMENT
MANUFACTURERS ASSOCIATION

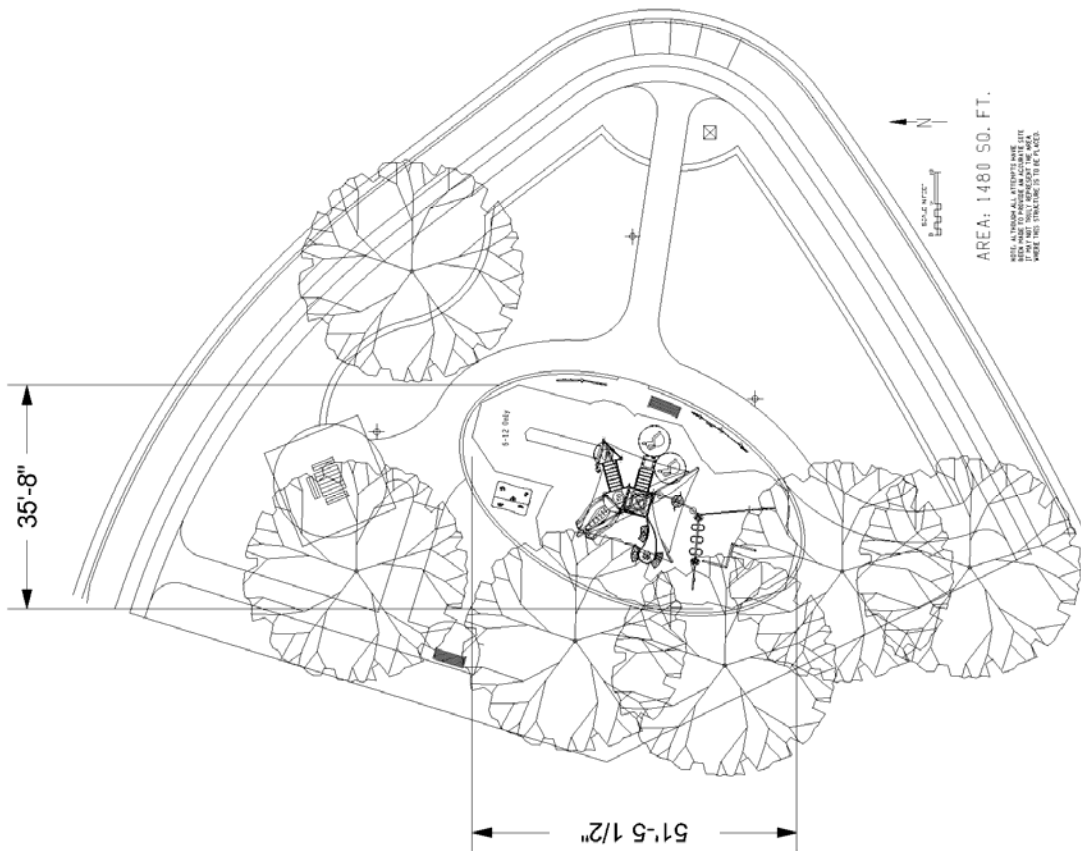
IPEMA
CERTIFIED
ASTM
F1487

To verify product certification,
visit www.ipema.org

The play components identified
in this plan are IPEMA
certified. The use and layout of
these components conform to the
requirements of ASTM F1487.
To verify product certification,
visit www.ipema.org

The space requirements shown
here are to ASTM standards.
Requirements for other standards
may be different.

The use and layout of play
components identified in this plan
conform to the CPSC guidelines.
U.S. CPSC recommends the
separation of age groups in
playground layouts.



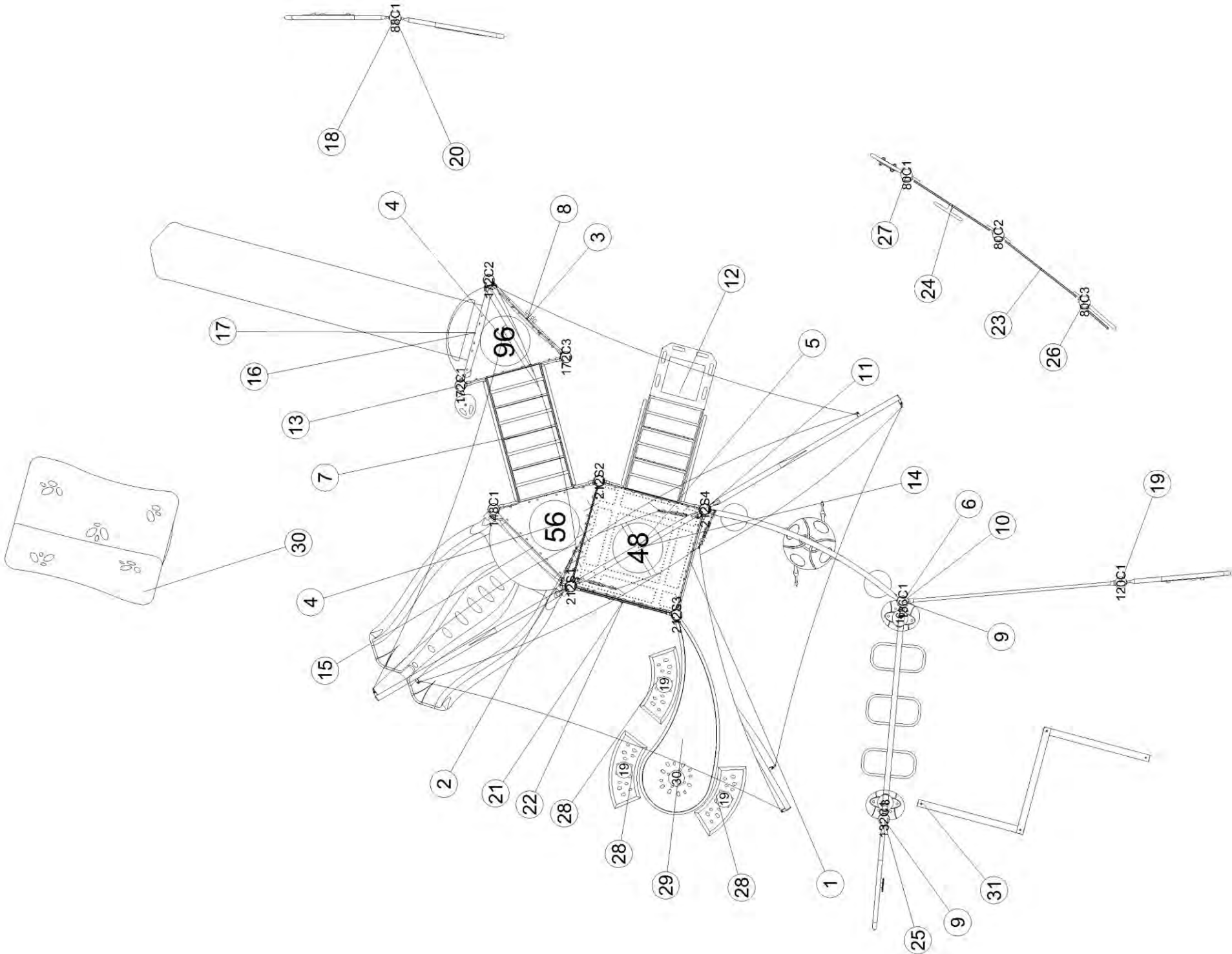
ADA ACCESSIBILITY GUIDELINE (ADAAG CONFORMANCE)

NUMBER OF PLAY EVENTS:	21
NUMBER OF ELEVATED PLAY EVENTS:	4
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY RAMP:	PROVIDED: 0
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY TRANSFER SYSTEM:	PROVIDED: 4
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY RAMP OR TRANSFER SYSTEM:	PROVIDED: 17
NUMBER OF GROUND LEVEL PLAY EVENTS:	PROVIDED: 9
NUMBER OF TYPES OF GROUND LEVEL PLAY EVENTS:	PROVIDED: 1

WARNING!

ACCESSIBLE SAFETY SURFACING MATERIAL IS REQUIRED BENEATH AND AROUND THIS EQUIPMENT.
FOR SLIDE FALL ZONE SURFACING AREA SEE CPSC's Handbook for Public Playground Safety.
PLATFORM HEIGHTS ARE IN INCHES ABOVE RESILIENT MATERIAL.

ITEM	COMP.	DESCRIPTION
1	270-0001	OFFSET ENCLOSURE
2	270-0009	8" CLOSURE PLATE, ELLIPSE
3	270-0112	UNITARY ENCLOSURE
4	270-0129	TRIANGLE PLATFORM
5	270-0130	SQUARE PLATFORM
6	370-0033	ODYSSEY POST LINK DOUBLE
7	370-0469	40" TRANSITION STAIR W/BARRI
8	370-0870	TREE BRANCH CLIMBER 96"
9	370-1608	OVISTEP LAUNCH PAD
10	370-1610	ATHLETIC ARCH OH
11	370-1620	TAKTIKS BOW CLIMBER
12	370-1659	TRANSFER STATION, HANDRAIL
13	470-0387	SINGLE LEAF SEAT
14	470-0670	ARA SQUARE SHADE CANOPY
15	470-0755	LUGE SLIDE, 48"-56"
16	470-0758	VELO XL SLIDE, 88"-96" W/O HOC
17	470-0804	SLIDE HOOD, LOW SIDE WALL
18	570-0687	CHARADE RING PANEL
19	570-0815	WAVER RING PANEL
20	570-0860	3-IN-A-ROW RING PANEL
21	570-2626	NATURE PLAY PIPE WALL
22	570-2661	CRAZY MAZE 2-SIDED PLAY PAN
23	570-2663	BEE PANEL, BELOW PLATFORM
24	570-2665	CAR PANEL, BELOW PLATFORM
25	570-2703	COLLISION RING PANEL
26	570-2705	SPINNER CRESCENT PANEL
27	570-2707	RAIN CRESCENT PANEL
28	580-1312	NOVO ARC BENCH
29	580-1319	NOVO TEARDROP COUNTER CL
30	580-1373	PLAYHOUSE
31	590-0393	7" BALANCE BEAM

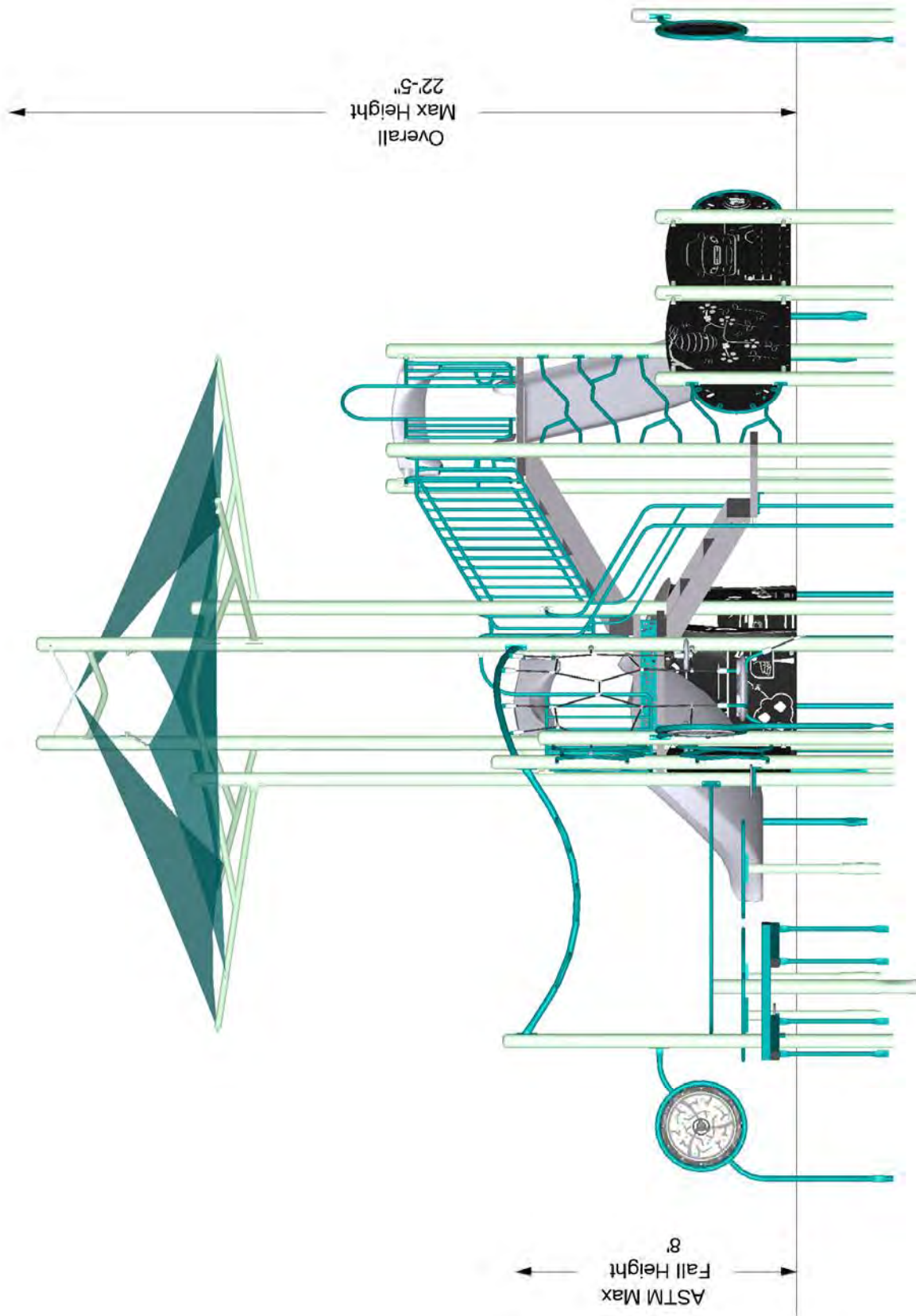


Burke

SERIES:Basics, Intensity, Nucleus
COMPONENT PLAN
DRAWN BY: Pa Der Vang

Laurel Ranch Park
TBD
Antioch, CA 94531

January 27, 2022
Specified Play Equipment Company
137-139520-2



The protective surfacing for this design must accomodate the critical fall height.



January 27, 2022

SERIES: Basics, Intensity, Nucleus

Laurel Ranch Park

Specified Play Equipment Company

ELEVATION PLAN

TBD

137-139520-2

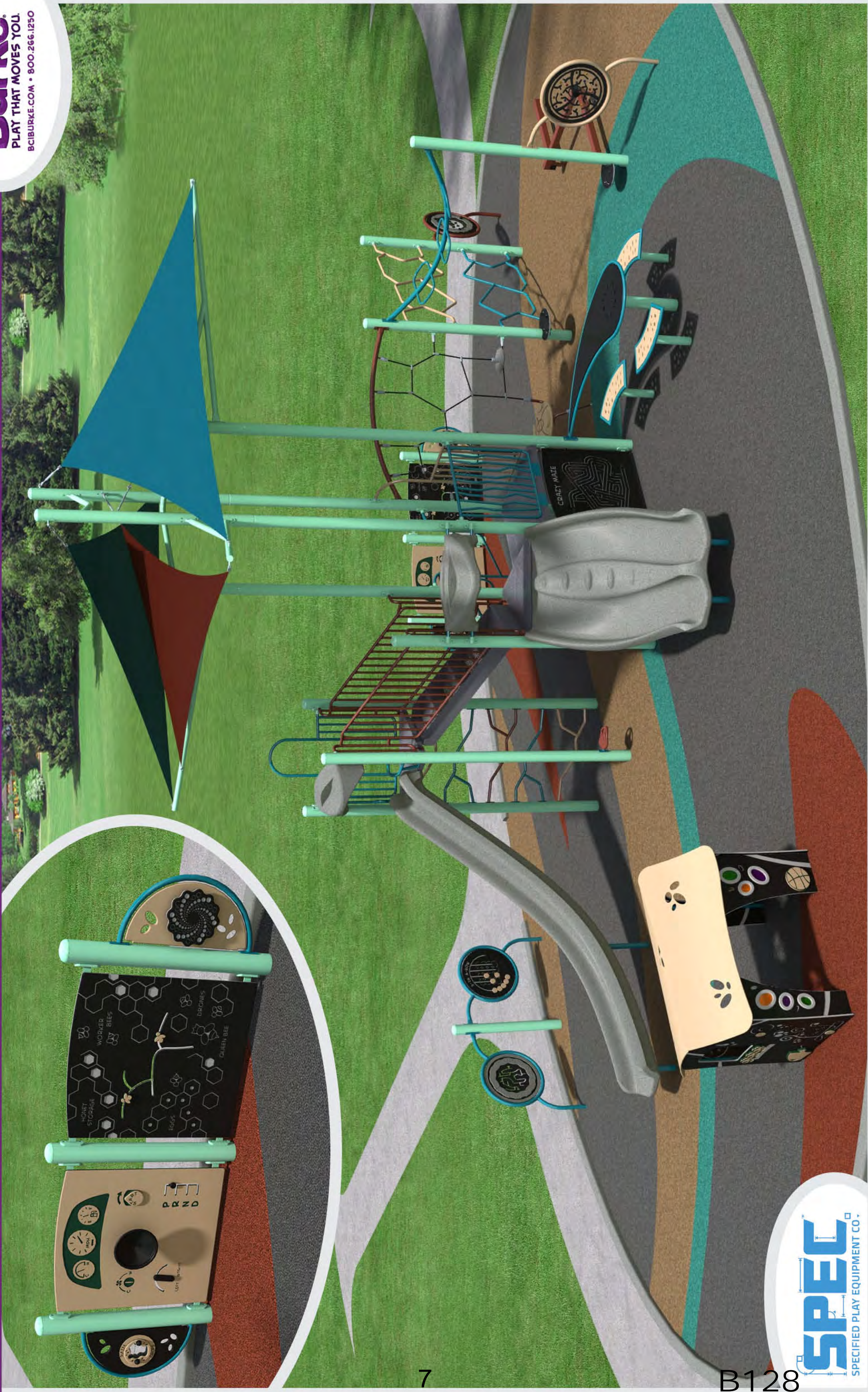
DRAWN BY: Pa Der Vang

Antioch, CA 94531

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220



COLOR KEY	
	MINT
	AQUA
	REDWOOD
	TAN
	GRANITE
	BLACK/GRAY
	TAN/GREEN





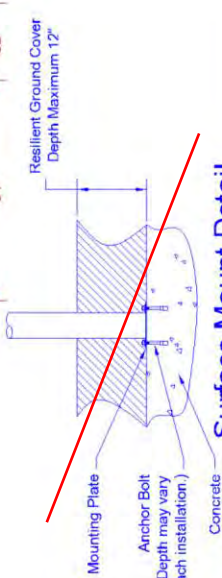
- A1

Support Post Identifier & Footing
- NP1

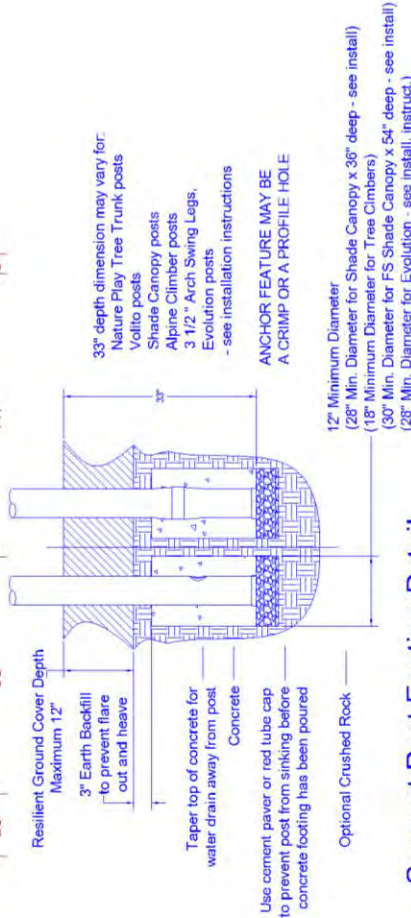
Nature Play Tree House Post Identifier
- Component Footing

FOOTING LEGEND

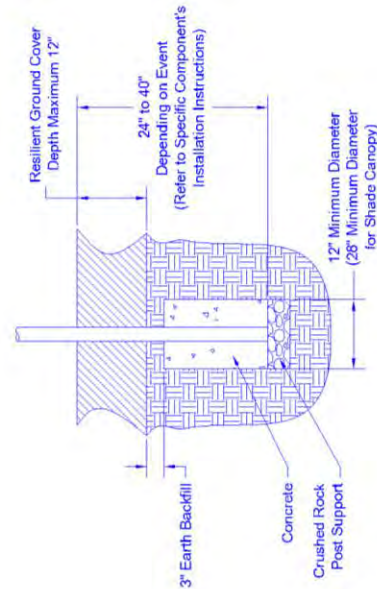
NOTES:
1.) Dimensions are for locations for footing holes, not exact placement of equipment.
2.) Assemble, plumb, and level equipment before pouring concrete.



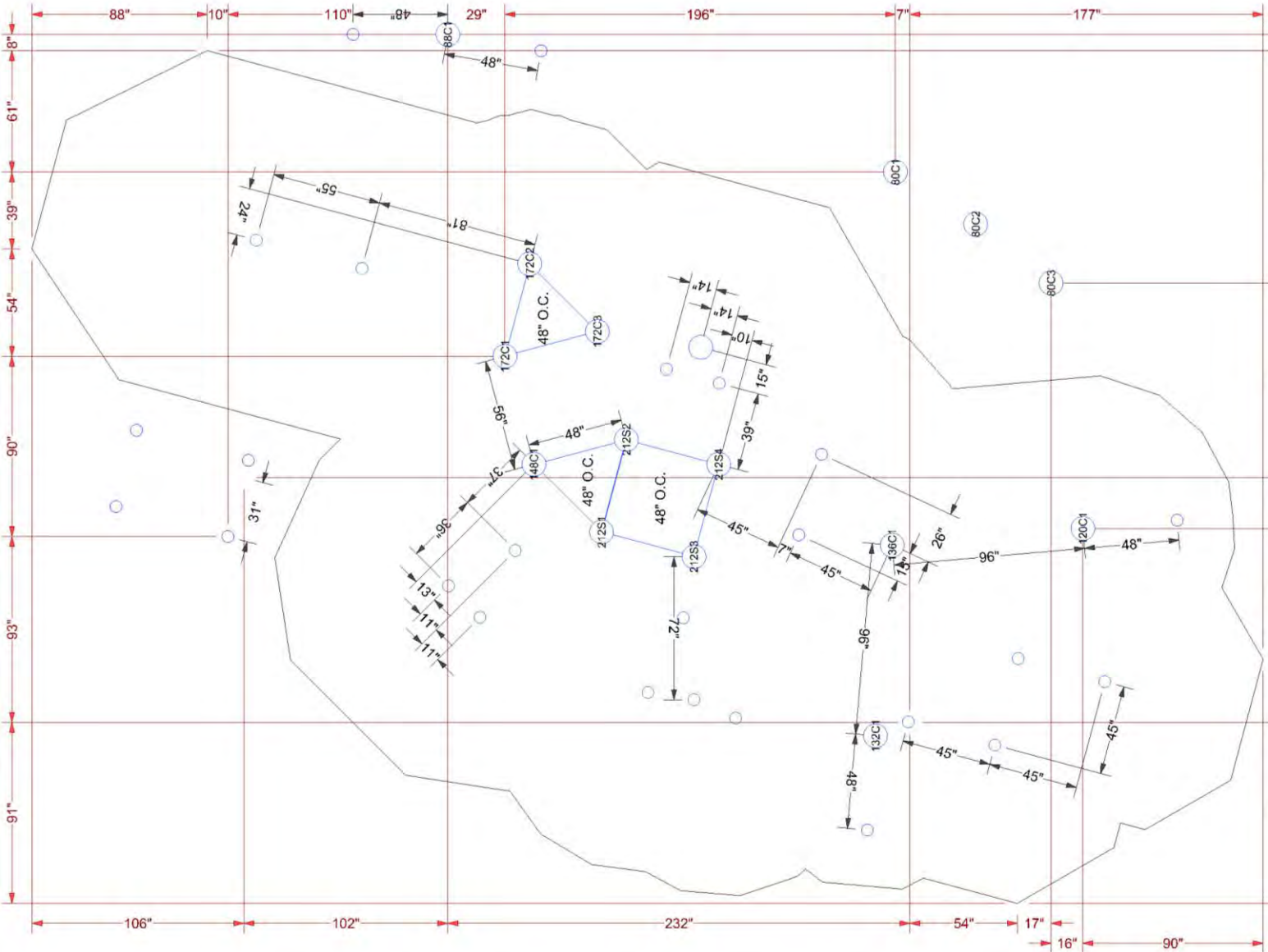
Surface Mount Detail

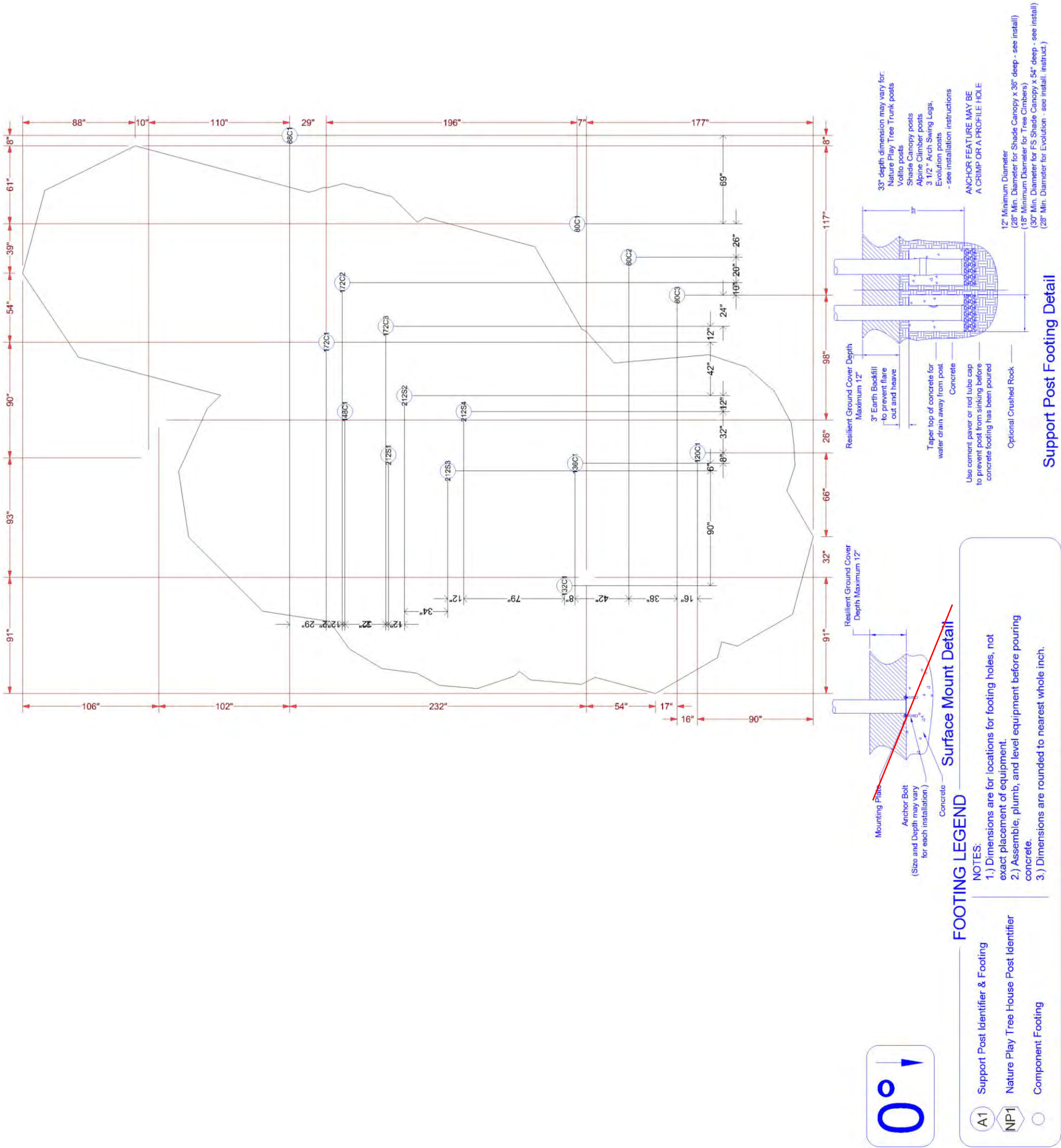


Support Post Footing Detail



Component Footing Detail







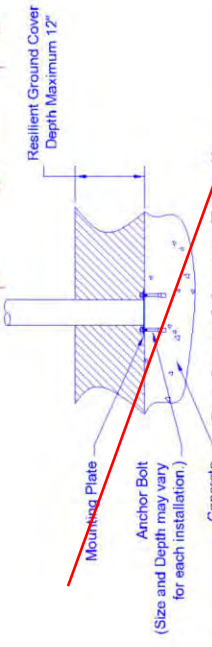
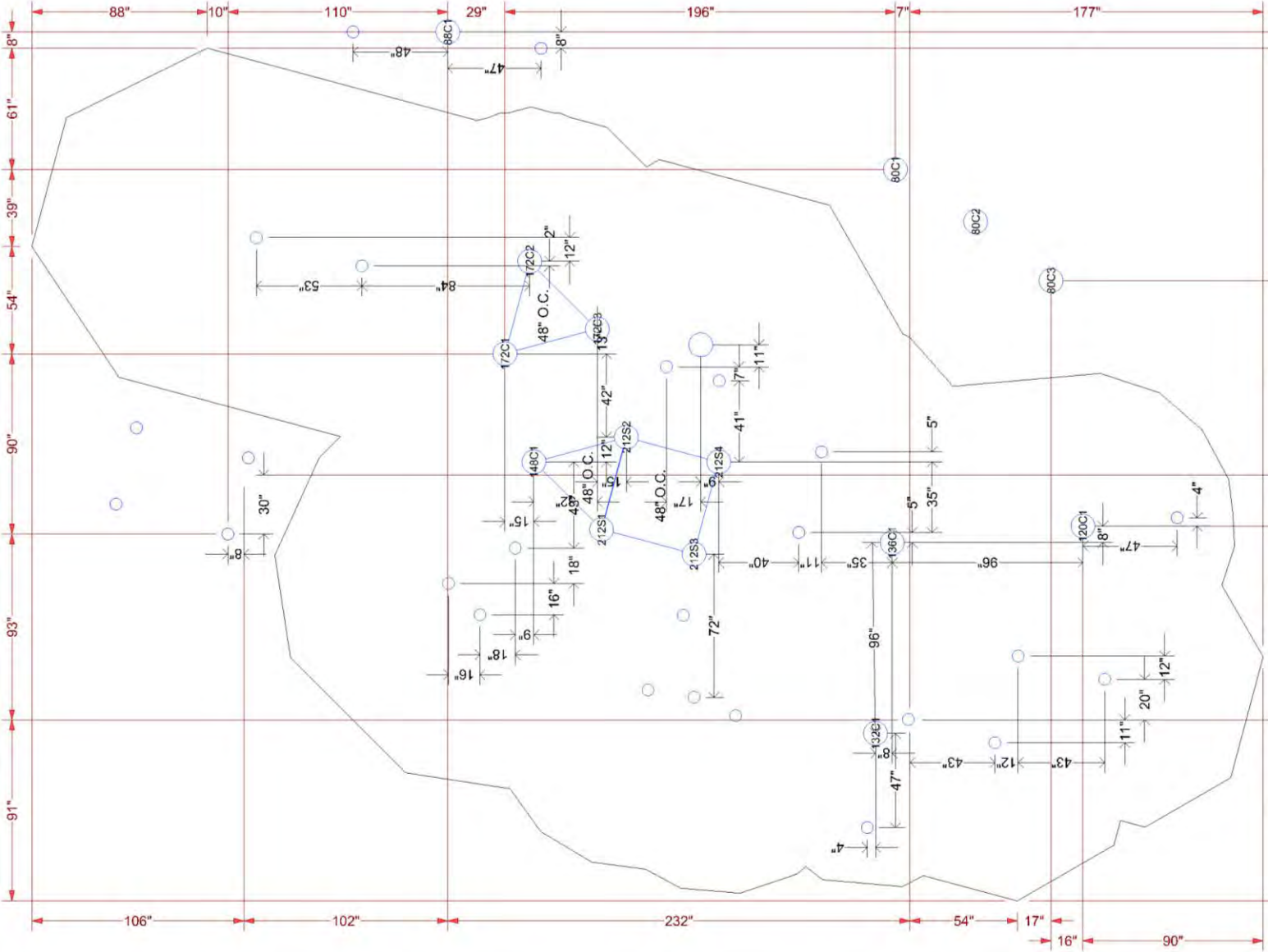
- A1

Support Post Identifier & Footing
- NP1

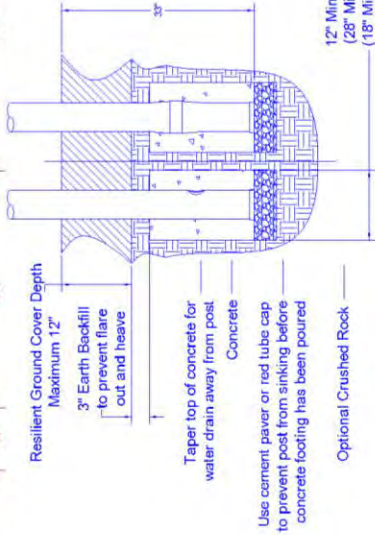
Nature Play Tree House Post Identifier
- Component Footing

FOOTING LEGEND

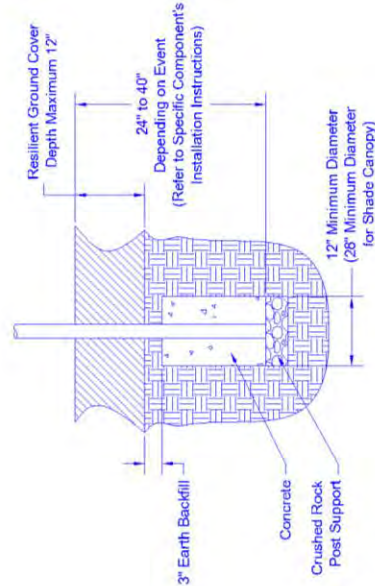
- NOTES:
- 1.) Dimensions are for locations for footing holes, not exact placement of equipment.
 - 2.) Assemble, plumb, and level equipment before pouring concrete.
 - 3.) Dimensions are rounded to nearest whole inch.



Surface Mount Detail

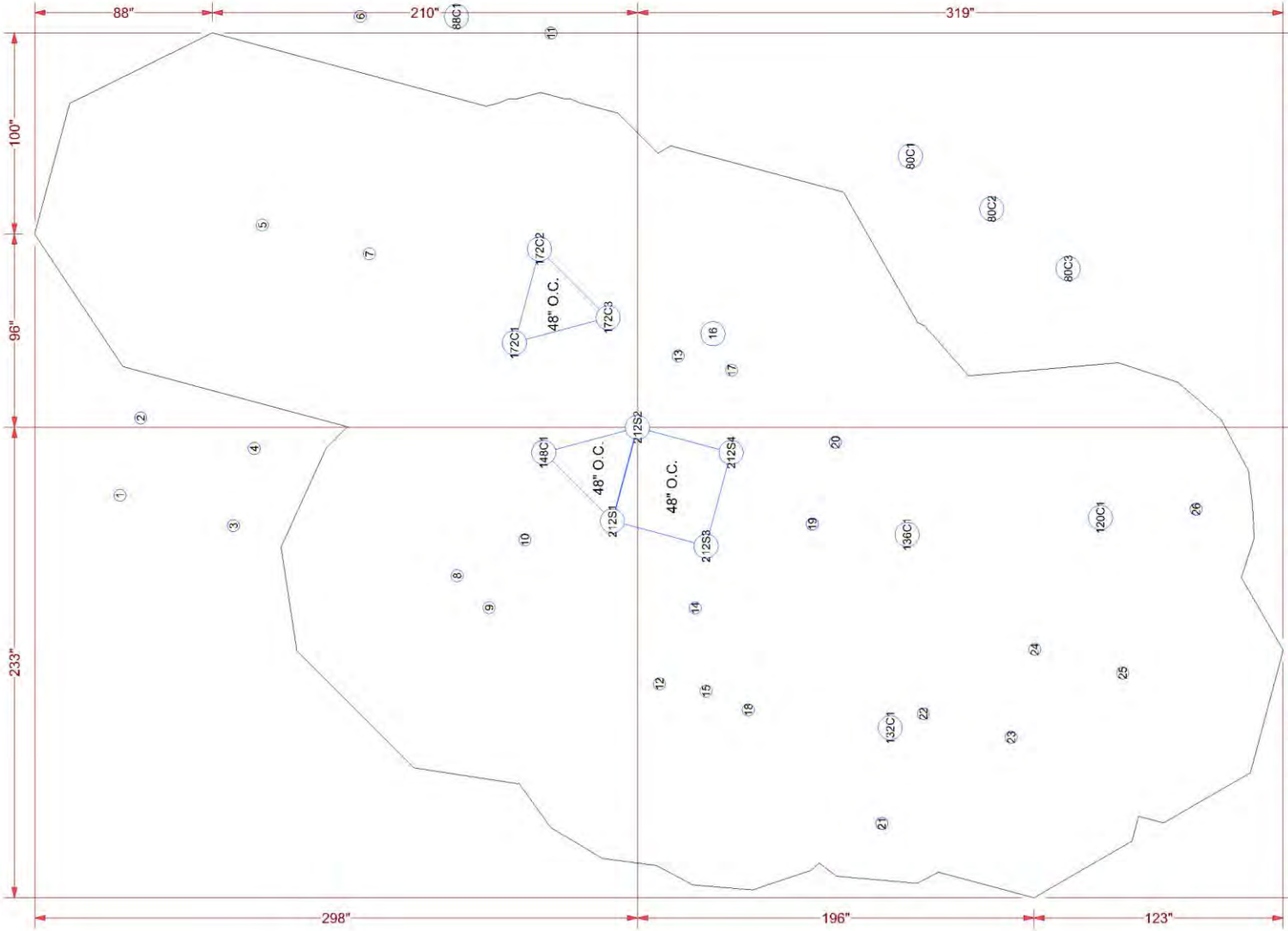


Support Post Footing Detail



Component Footing Detail

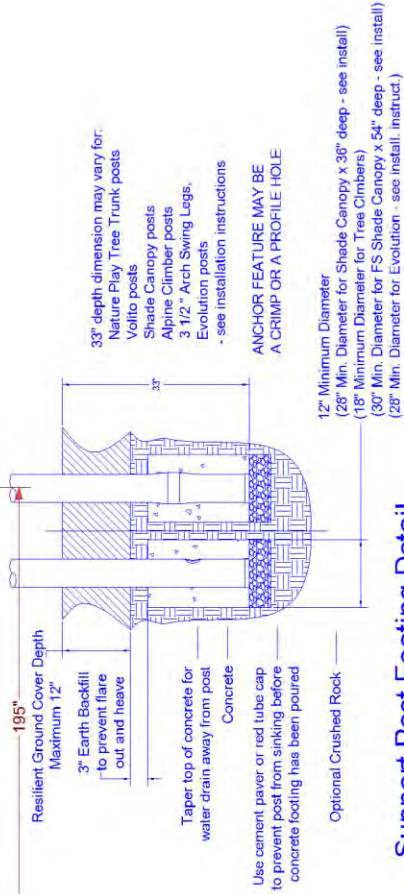
Type	Label	X	Y	Hyp/Diag
Post	120C1	-3'-8 5/8"	-19'-1"	19'-5 3/8"
Post	132C1	-12'-4 5/8"	-10'-5"	16'-2 1/4"
Post	136C1	-4'-5"	-11'-1 3/8"	11'-11 1/2"
Post	148C1	-1'-0 3/8"	3'-10 3/8"	4'-0"
Post	172C1	3'-5 3/4"	5'-0 7/8"	6'-1 7/8"
Post	172C2	7'-4 1/8"	4'-0 1/2"	8'-4 5/8"
Post	172C3	4'-6 1/4"	1'-2 1/2"	4'-8 1/8"
Post	212S1	-3'-10 3/8"	1'-0 3/8"	4'-0"
Post	212S2	0"	0"	0"
Post	212S3	-4'-10 3/4"	-2'-10"	5'-7 7/8"
Post	212S4	-1'-0 3/8"	-3'-10 3/8"	4'-0"
Post	80C1	11'-2 1/4"	-11'-3"	15'-10 3/8"
Post	80C2	9'-0 1/8"	-14'-7 1/4"	17'-1 7/8"
Post	80C3	6'-6 1/2"	-17'-9"	18'-11 1/8"
Post	88C1	16'-11 1/4"	7'-5 5/8"	18'-6 1/8"
Non-Post	1	-2'-9 5/8"	21'-4"	21'-6 1/8"
Non-Post	2	4 5/8"	20'-5 3/4"	20'-5 3/4"
Non-Post	3	-4'-0 5/8"	16'-7 7/8"	17'-1 3/4"
Non-Post	4	-10 3/8"	15'-9 5/8"	15'-9 7/8"
Non-Post	5	8'-4"	15'-5 5/8"	17'-6 7/8"
Non-Post	6	16'-11 1/4"	11'-5 1/8"	20'-5 1/8"
Non-Post	7	7'-1 7/8"	11'-0 5/8"	13'-2"
Non-Post	8	-6'-1 3/8"	7'-5 1/4"	9'-7 1/2"
Non-Post	9	-7'-5 1/4"	6'-1 3/8"	9'-7 1/2"
Non-Post	10	-4'-7 5/8"	4'-7 5/8"	6'-6 3/4"
Non-Post	11	16'-3"	3'-6 3/4"	16'-7 5/8"
Non-Post	12	-10'-6 7/8"	-10 7/8"	10'-7 3/8"
Non-Post	13	2'-11 1/4"	-1'-8 1/8"	3'-4 5/8"
Non-Post	14	-7'-5 1/2"	-2'-4 1/2"	7'-9 7/8"
Non-Post	15	-10'-10 1/2"	-2'-9 7/8"	11'-2 7/8"
Non-Post	16	3'-10 1/4"	-3'-1 3/8"	4'-11 1/2"
Non-Post	17	2'-4 1/4"	-3'-10 1/2"	4'-6 3/8"
Non-Post	18	-11'-7 3/4"	-4'-6 7/8"	12'-6 1/8"
Non-Post	19	-3'-11 7/8"	-7'-2 1/2"	8'-2 7/8"
Non-Post	20	-7 3/8"	-8'-1 7/8"	8'-2 1/4"
Non-Post	21	-16'-4"	-10'-0 7/8"	19'-2 1/4"
Non-Post	22	-11'-9 3/4"	-11'-9 3/8"	16'-8 1/8"
Non-Post	23	-12'-9 3/8"	-15'-4 7/8"	20'-0 1/4"
Non-Post	24	-9'-1 7/8"	-16'-4 1/2"	18'-9 1/8"
Non-Post	25	-10'-1 1/2"	-20'-0"	22'-5"
Non-Post	26	-3'-4 1/2"	-23'-0 3/8"	23'-3 1/4"



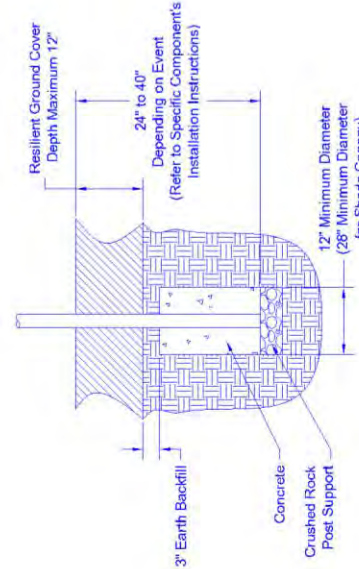
- Support Post Identifier & Footing
- Nature Play Tree House Post Identifier
- Component Footing

FOOTING LEGEND

- NOTES:
- Dimensions are for locations for footing holes, not exact placement of equipment.
 - Assemble, plumb, and level equipment before pouring concrete.

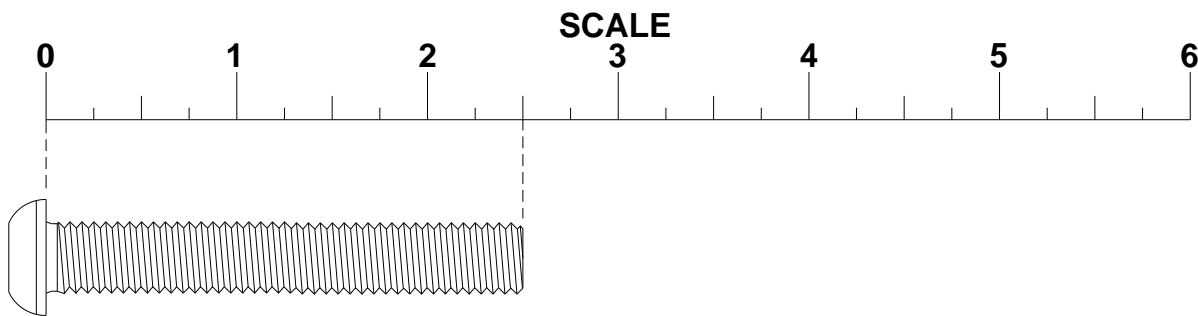


Support Post Footing Detail

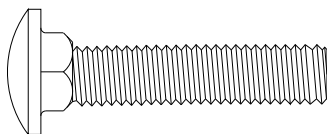


Component Footing Detail

BCI BURKE HARDWARE



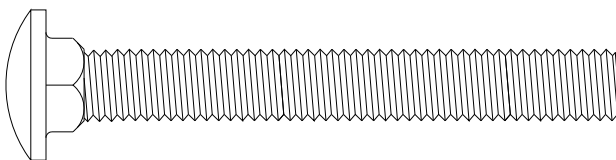
001-0116 - 3/8" X 3/4" SS BUTTON HEAD CAP SCREW
 001-0117 - 3/8" X 1" SS BUTTON HEAD CAP SCREW
 001-0118 - 3/8" X 1 1/4" SS BUTTON HEAD CAP SCREW
 001-0119 - 3/8" X 1 1/2" SS BUTTON HEAD CAP SCREW
 001-0120 - 3/8" X 1 3/4" SS BUTTON HEAD CAP SCREW
 001-0121 - 3/8" X 2" SS BUTTON HEAD CAP SCREW
 001-0122 - 3/8" X 2 1/4" SS BUTTON HEAD CAP SCREW
 001-0123 - 3/8" X 2 1/2" SS BUTTON HEAD CAP SCREW
 001-0140 - 3/8" X 3/4" SS BUTTON HEAD CAP SCREW W/OUT LOCKING THREAD
 001-0143 - 3/8" X 1/2" SS BUTTON HEAD CAP SCREW
 001-0152 - 3/8" X 1 1/4" SS BUTTON HEAD CAP SCREW W/OUT LOCKING THREAD
 001-0153 - 3/8" X 1 1/2" SS BUTTON HEAD CAP SCREW W/OUT LOCKING THREAD
 001-0185 - 3/8" X 1" SS BHCS W/O LOCKING THREAD
 001-0165 - 3/8" X 3/8" SS BUTTON HEAD CAP SCREW



001-0083 - 1/4" X 1 1/4" CARRIAGE BOLT

001-0010 - 5/16" X 3/4" CARRIAGE BOLT
 001-0163 - 5/16" X 1 1/2" CARRIAGE BOLT
 001-0074 - 5/16" X 4 1/4" CARRIAGE BOLT
 001-0082 - 5/16" X 2 3/4" CARRIAGE BOLT

001-0080 - 5/16" X 2" CARRIAGE BOLT
 001-0077 - 5/16" X 1 1/4" CARRIAGE BOLT
 001-0081 - 5/16" X 2 1/4" CARRIAGE BOLT



001-0018 - 3/8" X 3/4" CARRIAGE BOLT
 001-0048 - 3/8" X 2 3/4" CARRIAGE BOLT
 001-0098 - 3/8" X 3" CARRIAGE BOLT
 001-0053 - 3/8" X 2 1/4" CARRIAGE BOLT
 001-0039 - 3/8" X 2" CARRIAGE BOLT
 001-0054 - 3/8" X 2 1/2" CARRIAGE BOLT
 001-0068 - 3/8" X 1 1/4" CARRIAGE BOLT

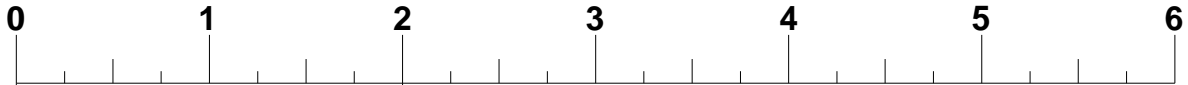
BCI Burke Company, LLC

660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566

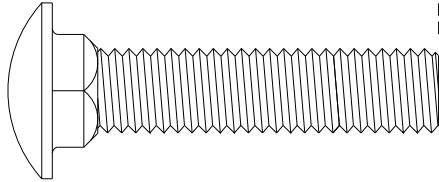
www.bciburke.com

BCI BURKE HARDWARE

SCALE



001-0137 - 1/4"-28 UNF X 5/8" ZC HEX HEAD CAP SCREW

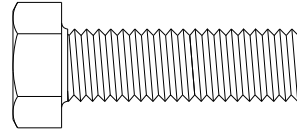


001-0025 - 5/16" X 1" HEX HEAD BOLT

001-0147 - 5/16" X 1" SS HEX HEAD BOLT

001-0146 - 5/16" X 1 1/4" SS HEX HEAD BOLT

001-0184 - 5/16" X 1 3/4" SS HEX HEAD BOLT

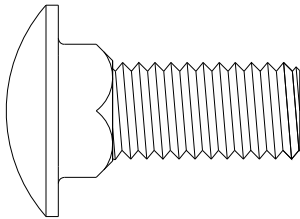


001-0050 - 7/16" X 2" CARRIAGE BOLT

001-0066 - 7/16" X 3" CARRIAGE BOLT

001-0055 - 7/16" X 2 1/4" CARRIAGE BOLT

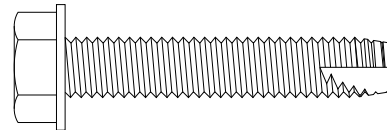
001-0097 - 7/16" X 6 1/2" CARRIAGE BOLT



001-0056 - 3/8" X 1 1/4" HEX HEAD CAP SCREW

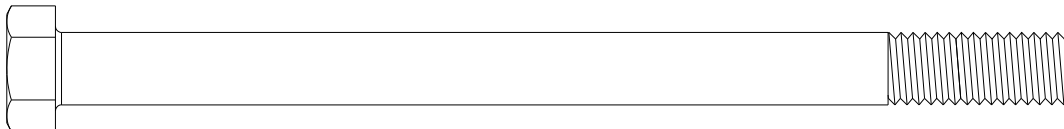
001-0058 - 3/8" X 1" HEX HEAD CAP SCREW

001-0087 - 3/8" X 1 1/2" HEX HEAD CAP



001-0141 - 1/2" X 1 1/4" CARRIAGE BOLT

001-0135 - 5/16" X 1 1/2" SELF TAPPING SCREW



001-0023 - 3/8" X 2 3/4" HEX HEAD CAP SCREW

001-0046 - 3/8" X 4 1/2" HEX HEAD CAP SCREW

001-0072 - 3/8" X 2" HEX HEAD CAP SCREW

001-0073 - 3/8" X 3 3/4" HEX HEAD CAP SCREW

001-0134 - 3/8" X 3 1/2" HEX HEAD CAP SCREW

001-0076 - 3/8" X 3 1/4" HEX HEAD CAP SCREW

001-0084 - 3/8" X 2 1/4" HEX HEAD CAP SCREW

001-0089 - 3/8" X 3" HEX HEAD CAP SCREW

001-0090 - 3/8" X 5" HEX HEAD CAP SCREW

001-0101 - 3/8" X 4" HEX HEAD CAP SCREW

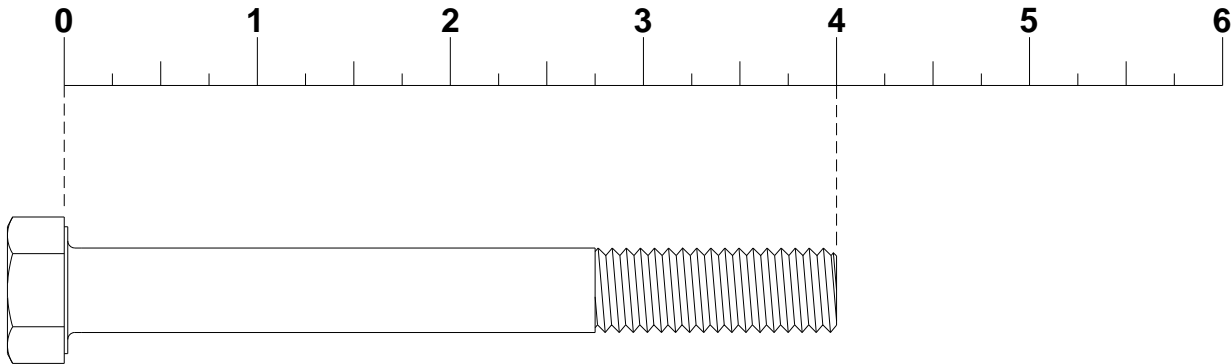
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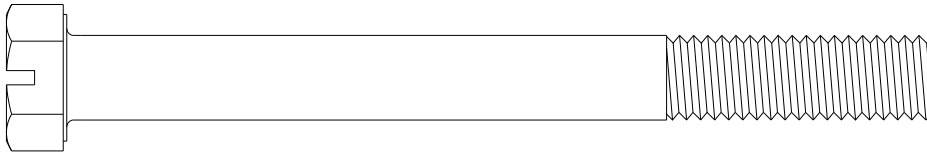
BCI BURKE HARDWARE

SCALE



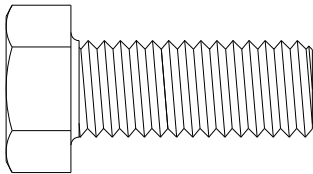
001-0096 - 7/16" X 3 1/2" HEX HEAD CAP SCREW
001-0132 - 7/16" X 4" HEX HEAD CAP SCREW

001-0062 - 7/16" X 1 1/4" HEX HEAD CAP SCREW
001-0049 - 7/16" X 4 1/2" HEX HEAD CAP SCREW

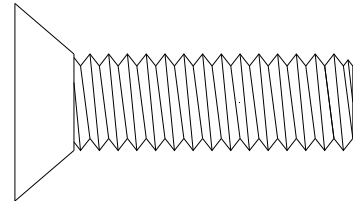


001-0037 - 7/16" X 3" HEX HEAD CAP SCREW - SLOTTED
001-0047 - 7/16" X 4 1/2" HEX HEAD CAP SCREW - SLOTTED

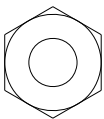
001-0186 - 3/8" X 1 1/4" SS FLAT COUNTERSUNK HEAD CAP SCREW



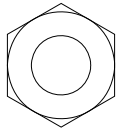
001-0099 - 1/2" X 4 1/2" HEX HEAD CAP SCREW
001-0057 - 1/2" X 1 1/4" HEX HEAD CAP SCREW
001-0160 - 1/2" X 1 1/4" HEX HEAD CAP SCREW - GRADE 8
001-0170 - 1/2" X 5" FULLY THREADED HEX HEAD SCREW



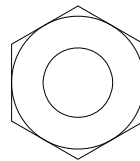
001-0139 - 1/2" X 1 3/4" SS FLAT COUNTERSUNK HEAD CAP SCREW



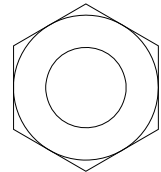
002-0003 - 5/16" LOCK NUT



002-0012 - 3/8" LOCK NUT
002-0018 - 3/8" NUT
002-0036 - 3/8" SS NUT



002-0005 - 7/16" LOCK NUT



002-0004 - 1/2" LOCK NUT
002-0049 - 1/2" SS LOCK NUT

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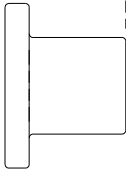
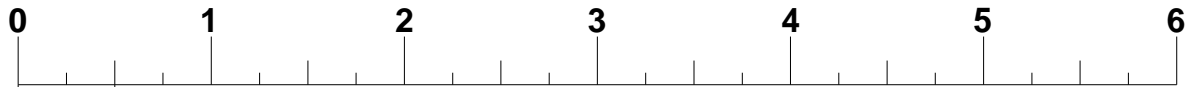
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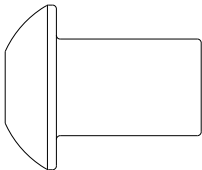
077-0001 Rev 56 - PCN #21-0393 8/10/2021

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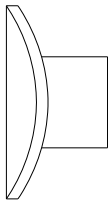
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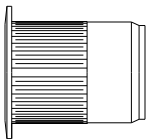
002-0053 - 3/8" X 1/2" SS SOCKET HEAD BARREL NUT
002-0063 - 3/8" X 3/8" SS SOCKET HEAD BARREL NUT



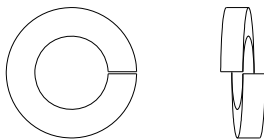
002-0062 - 3/8" X 3/4" SS SOCKET HEAD BARREL NUT



002-0040 - 3/8" SS T-NUT FORMED
002-0028 - 1/4" T-NUT



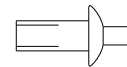
002-0042 - 3/8" NUT INSERT



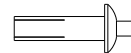
021-0022 - 3/8" LOCK WASHER



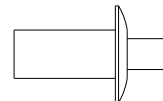
019-0002 - 3/16" X 7/8" DRIVE RIVET
019-0004 - 3/16" X 1 5/32" RIVET



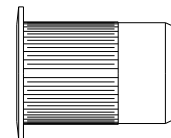
019-0010 - 5/32" X 3/8" DRIVE RIVET



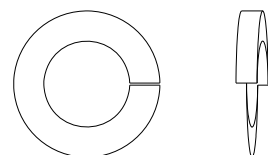
019-0016 - 1/8" X 15/32" DRIVE RIVET



019-0020 - 1/4" X 1/2" DRIVE RIVET
019-0009 - 1/4" X 3/4" DRIVE RIVET



002-0061 - 3/8" NUT INSERT (7 GA GRIP)



021-0027 - 7/16" LOCK WASHER

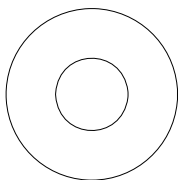
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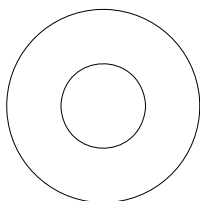
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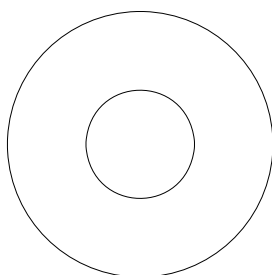
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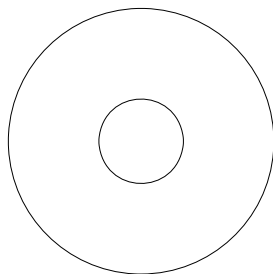
021-0032 - 5/16" SS FLAT WASHER
021-0028 - 5/16" FLAT WASHER



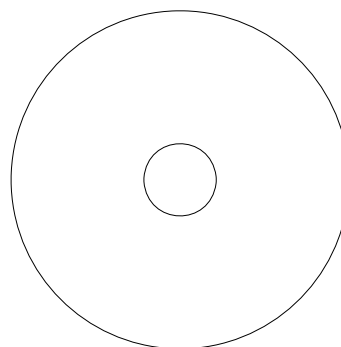
021-0033 - 3/8" SS FLAT WASHER
021-0029 - 3/8" FLAT WASHER



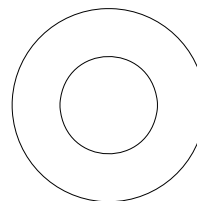
021-0025 - 1/2" FLAT WASHER
021-0034 - 1/2" SS FLAT WASHER



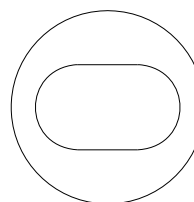
021-0008 - 1 3/8" OD WASHER



021-0012 - 3/8" X 1 3/4" WASHER
021-0001- 1 3/4" OD X 13/16" ID X 3/32" WASHER



021-0042 - WASHER, NYLON, 1/2" ID X 1" OD X .125 THK



021-0019 - 3/8" X 1" OD SLOTTED WASHER

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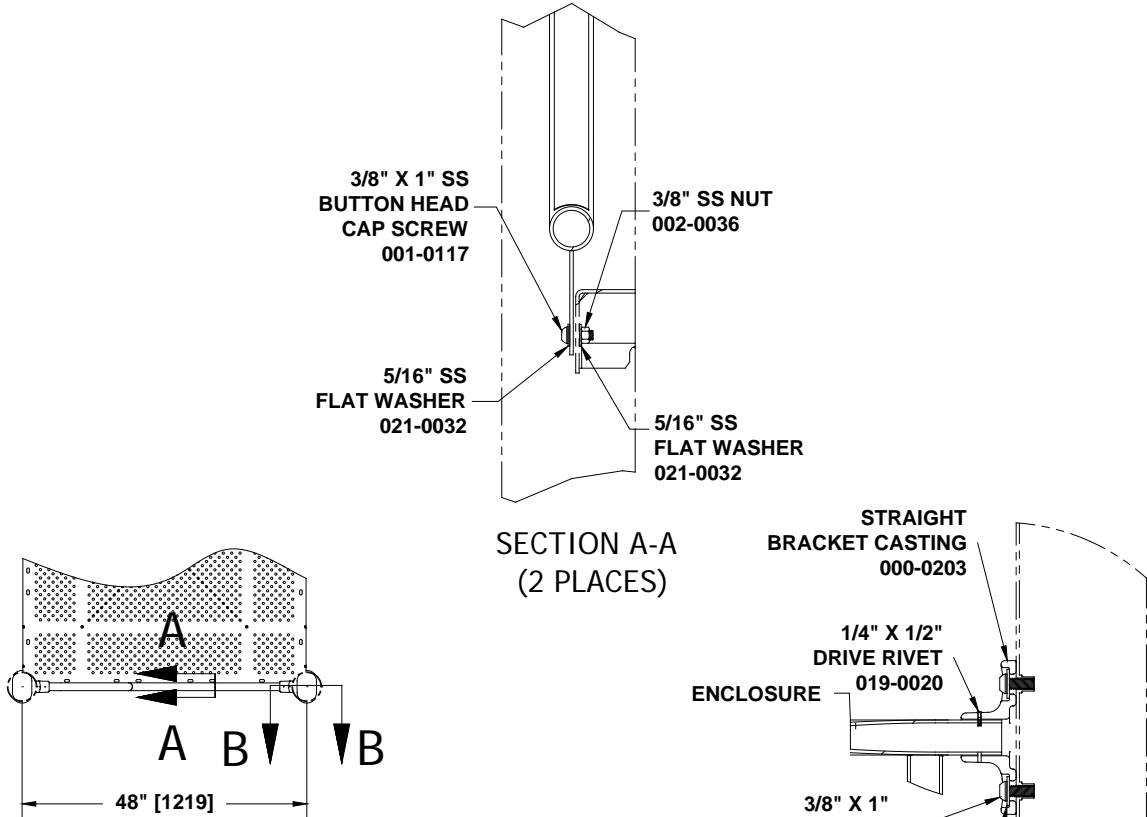
www.bciburke.com

Component Cut Sheets & Specifications

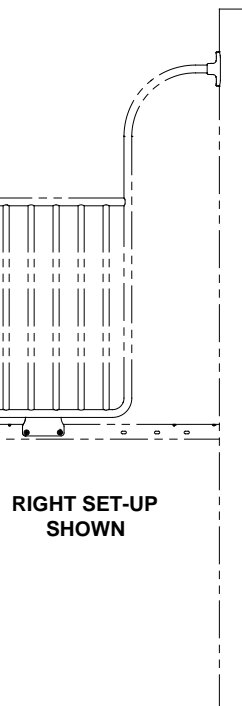
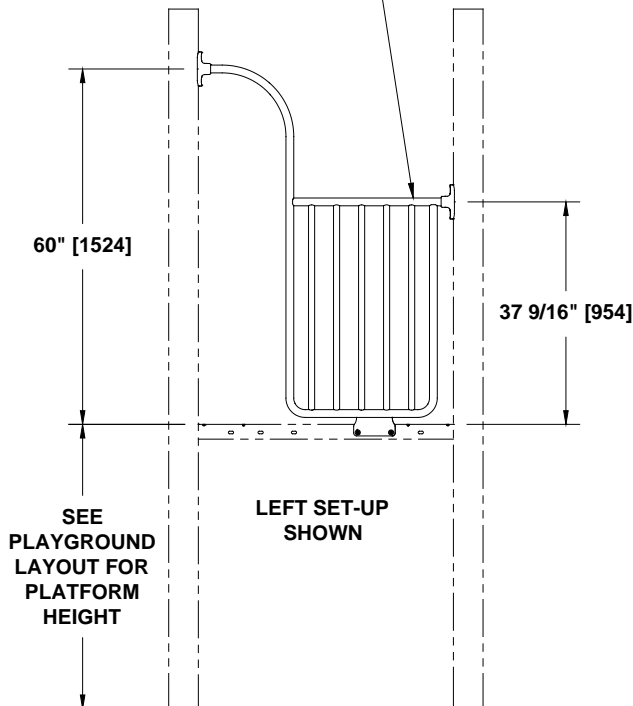
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S5 OFFSET ENCLOSURE
030-1676



SECTION B-B
(2 PLACES)

270-0001 OFFSET ENCLOSURE

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-1676	S5 OFFSET ENCLOSURE	1
036-1284	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

S5 OFFSET ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA sheet steel. Finished with a baked on powder coating.

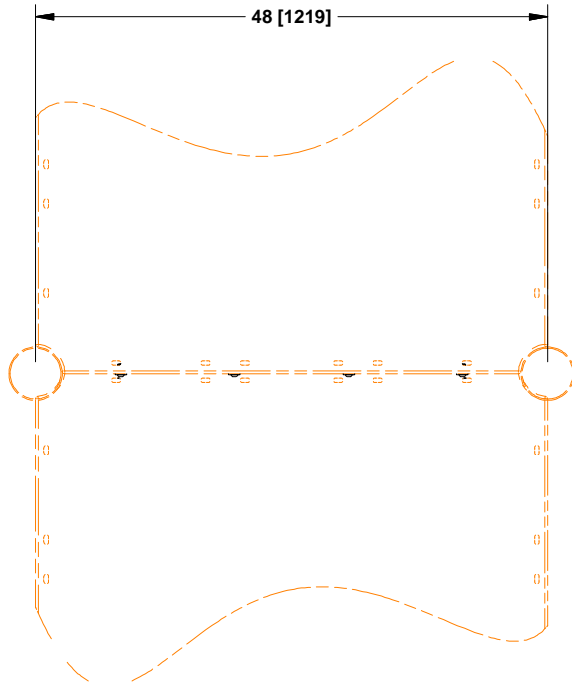
HARDWARE PACKAGE: Stainless steel screws, nuts & washers and aluminum rivets with 302 stainless steel pin.

SHIPPING WEIGHT: 30 LBS.

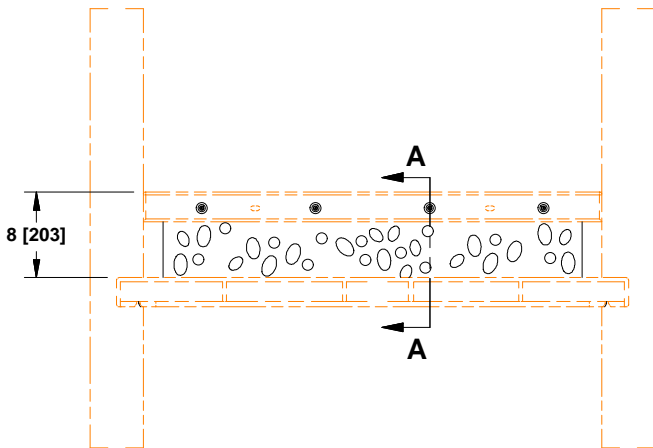
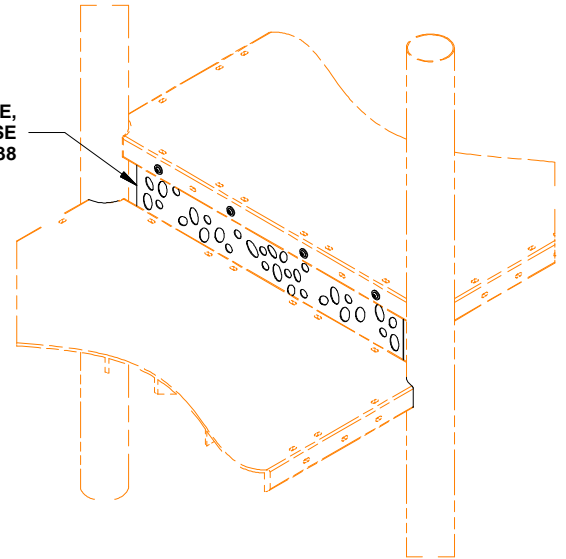
INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

1. Locate holes for BRACKETS CASTINGS to 5" O.D. posts as per dimensions shown.
2. Insert bracket castings onto ends of OFFSET ENCLOSURE and attach bracket castings to 5" O.D. posts using 3/8" x 1" button head cap screws and 5/16" washers as shown. See SECTION B-B.
3. Attach bottom of pipe wall to platform using 3/8" x 1" SS button head cap screws, 5/16" SS washers and 3/8" SS nuts. Tighten all hardware. See SECTION A-A.
4. Drill 1/4" diameter holes through pilot hole in casting and into enclosure. See SECTION B-B.
5. Drive rivets flush with brackets.
6. Tighten All Hardware.



8" CLOSURE PLATE,
ELLIPSE
007-1738



3/8" SS FLAT WASHER
021-0033 8 X

3/8" X 1" SS BUTTON
HEAD CAP SCREW
001-0117 4 X

3/8" SS NUT
002-0036 4 X

3/8" SS NUT
002-0036 4 X

3/8" SS FLAT WASHER
021-0033 8 X

3/8" X 1" SS BUTTON
HEAD CAP SCREW
001-0117 4 X

SECTION A-A

270-0009 8" CLOSURE PLATE, ELLIPSE

PARTS LIST

PART NO.	DESCRIPTION	QTY
007-1738	8" CLOSURE PLATE, ELLIPSE	1
036-1380	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

8" CLOSURE PLATE, ELLIPSE: 14 GA galvanized steel plate finished with a baked-on powder coating.

HARDWARE PACKAGES: Stainless steel button head cap screws, washers, and nuts

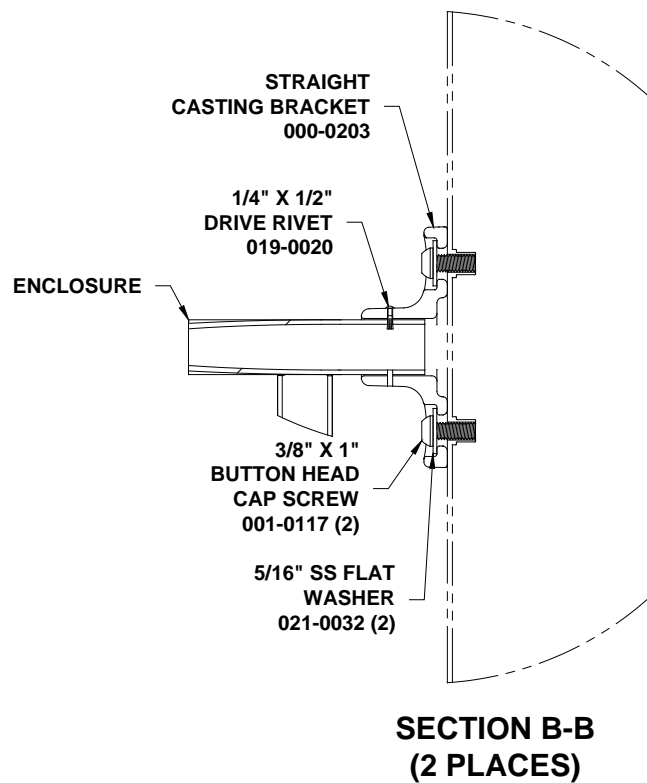
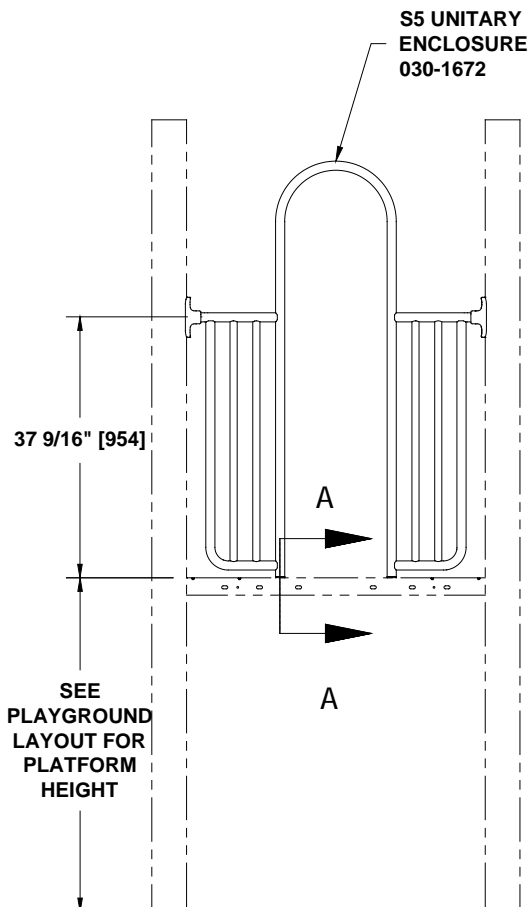
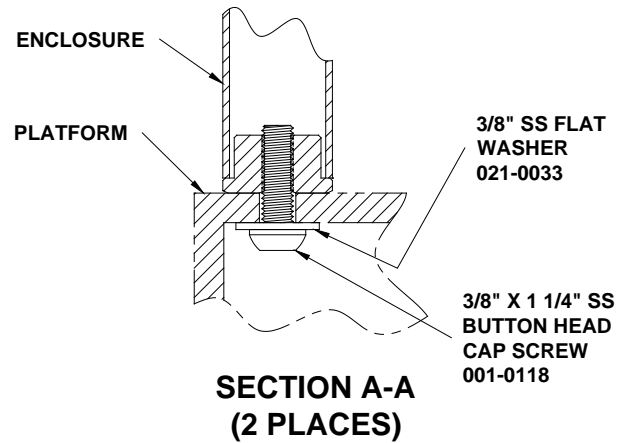
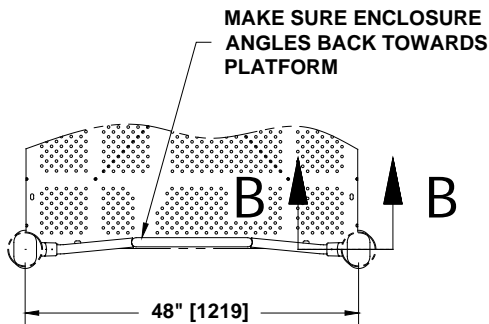
SHIPPING WEIGHT: 8 LBS.

INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes in platforms before installation

NOTE: Do not tighten hardware until instructed to do so.

1. Attach 8" CLOSURE PLATE, ELLIPSE to upper and lower platform using hardware specified in SECTION A-A.
Ensure the nuts are located directly under the platforms.
2. Tighten hardware.
3. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



270-0112 UNITARY ENCLOSURE

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-1672	NUCLEUS UNITARY ENCLOSURE	1
036-0258	HARDWARE PACKAGE	2
036-0819	HARDWARE PACKAGE	1
036-1207	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

NUCLEUS UNITARY ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: Aluminum Rivets

HARDWARE PACKAGE: Stainless steel

SHIPPING WEIGHT: 35 LBS.

INSTALLATION INSTRUCTIONS

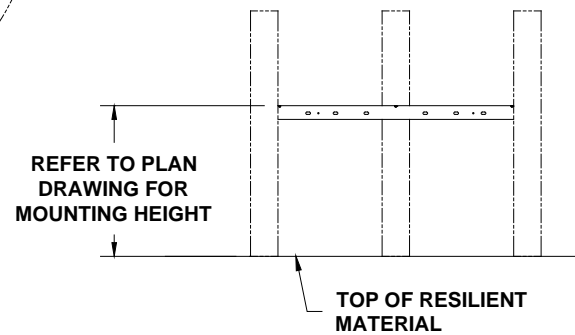
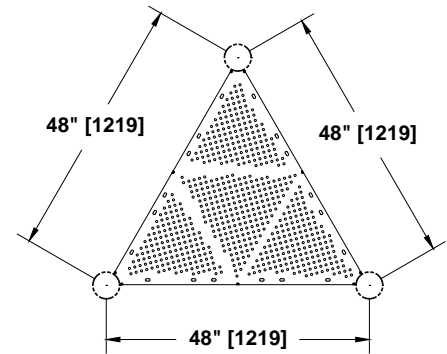
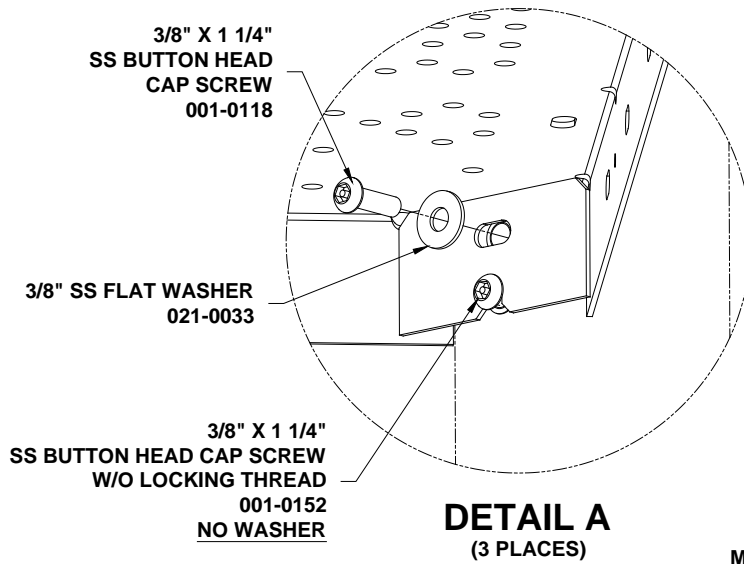
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

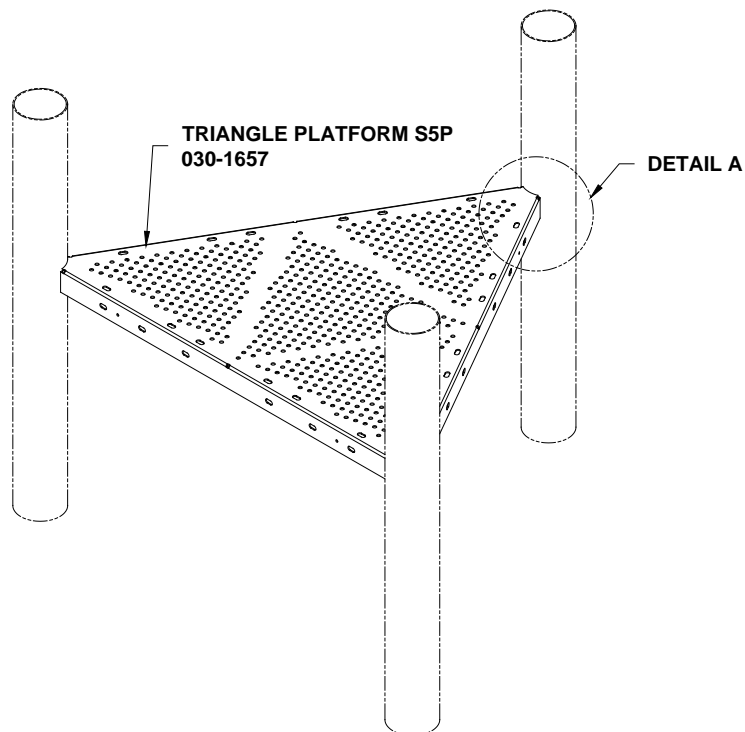
NOTE: Make sure enclosure angles back towards platform. (See Top View)

1. Locate holes for CASTING BRACKETS to 5" O.D. posts as per dimensions shown.
2. Insert castings onto ends of UNITARY ENCLOSURE and attach top hole of brackets to 5" O.D. posts using 3/8" x 1" button head cap screws and 5/16" washers as shown. See SECTION B-B.
3. Rotate unitary enclosure up 90 degrees and attach bottom hole of brackets to 5" O.D. posts using 3/8" x 1" button head cap screws and 5/16" washers as shown. See SECTION B-B.
4. Rotate unitary enclosure down 90 degrees and attach to platform using 3/8" x 1 1/4" button head cap screws and 3/8" washers as shown. Tighten screws. See SECTION A-A. See FRONT VIEW.
5. Drill 1/4" diameter hole through pilot hole in brackets through enclosure. Insert DRIVE RIVET. Drive rivets flush.
6. Tighten all Hardware.

270-0112.doc Description: UNITARY ENCLOSURE
REV: 02 PCN: 17-0260 8/28/2017



ELEVATION VIEW



270-0129
TRIANGLE PLATFORM S5P

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-1657	TRIANGLE PLATFORM S5P	1
036-1100	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

TRIANGLE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

HARDWARE PACKAGE: Stainless steel

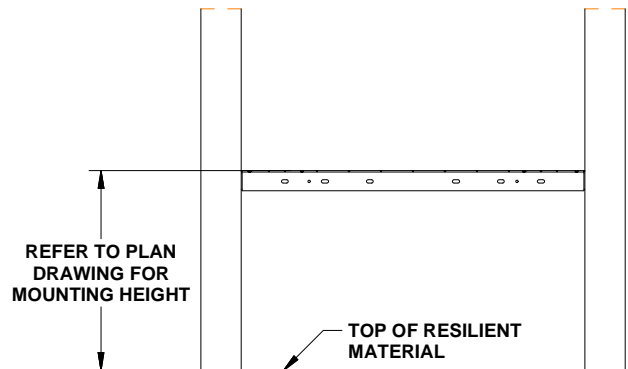
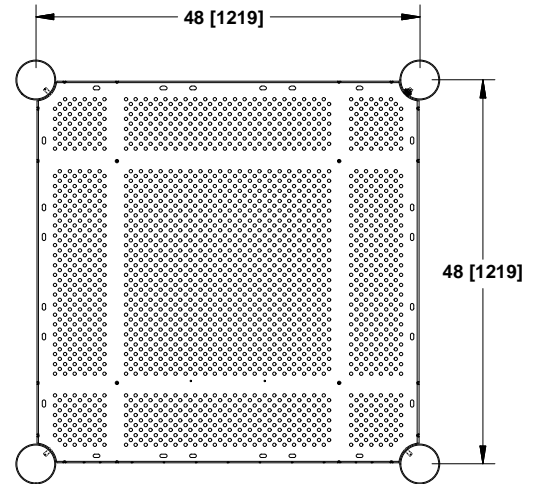
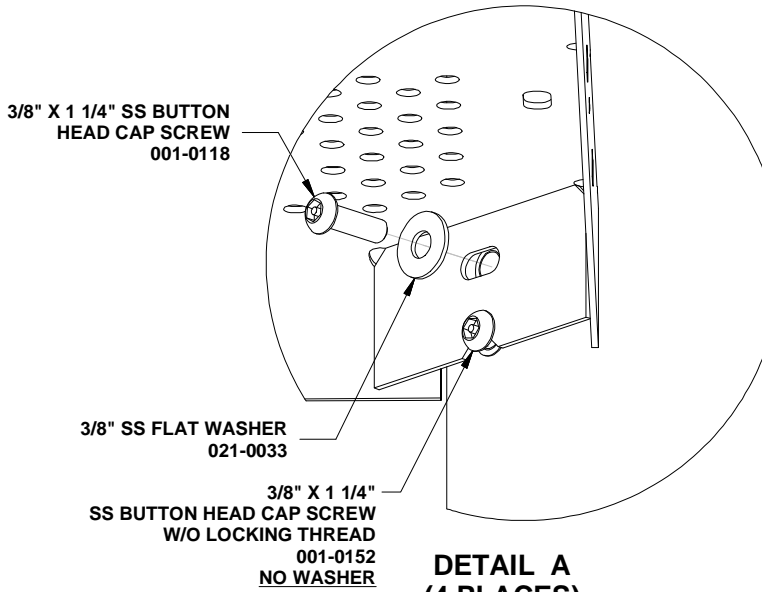
SHIPPING WEIGHT: 48 LBS.

INSTALLATION INSTRUCTIONS

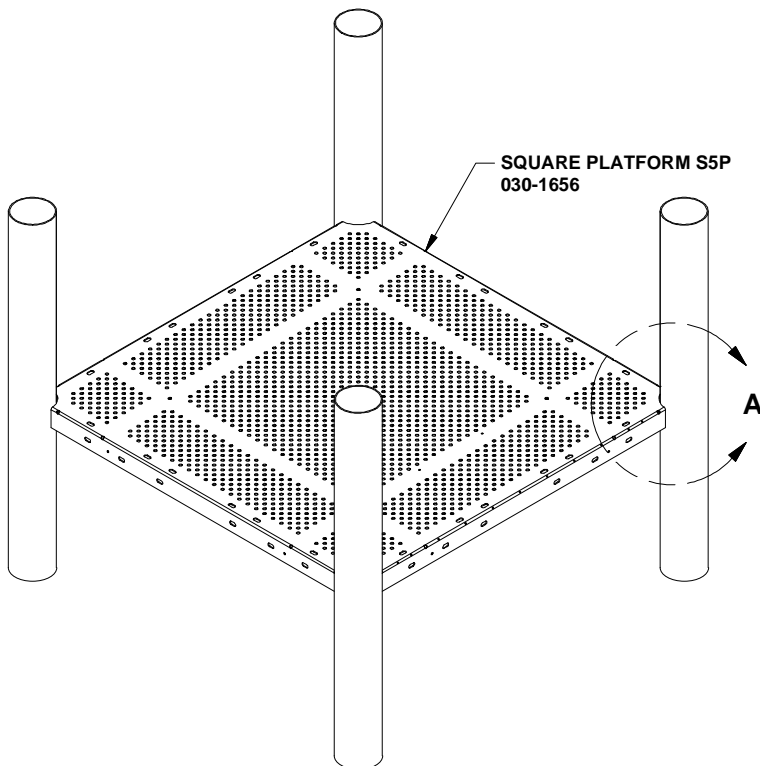
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. Locate the double sets of platform mounting holes in each post.
2. Partially thread a 3/8" x 1 1/4" SS button head cap screw W/O LOCKING THREAD into the lower hole of the double set of mounting holes WITHOUT a washer. **DO NOT TIGHTEN.** See DETAIL A.
3. Slide the three corners of the TRIANGLE PLATFORM S5P on the partially threaded cap screws on each post.
4. Complete attaching platform to posts by using 3/8" x 1 1/4" SS button head cap screws and 3/8" SS flat washers to secure platform into upper mounting hole. See DETAIL A.
5. Level platform and plumb posts.
6. Tighten all hardware.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



ELEVATION VIEW



270-0130
SQUARE PLATFORM

PARTS LIST

PART NO.	DESCRIPTION	QTY
030-1656	SQUARE PLATFORM S5P	1
036-1101	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

SQUARE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating.

HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 106 LBS.

INSTALLATION INSTRUCTIONS

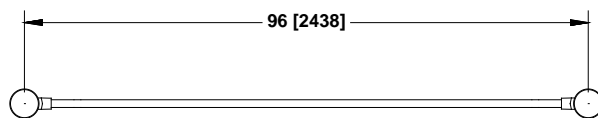
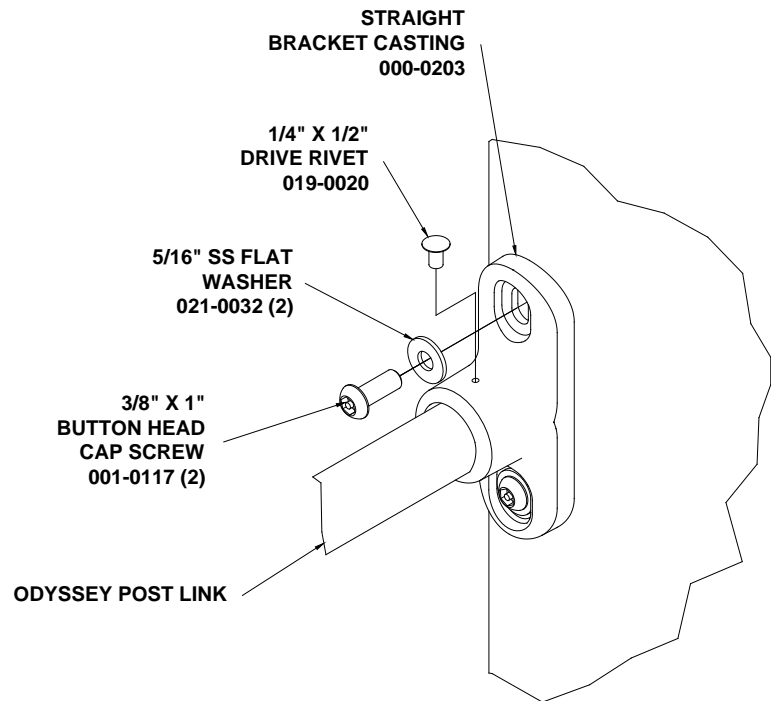
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

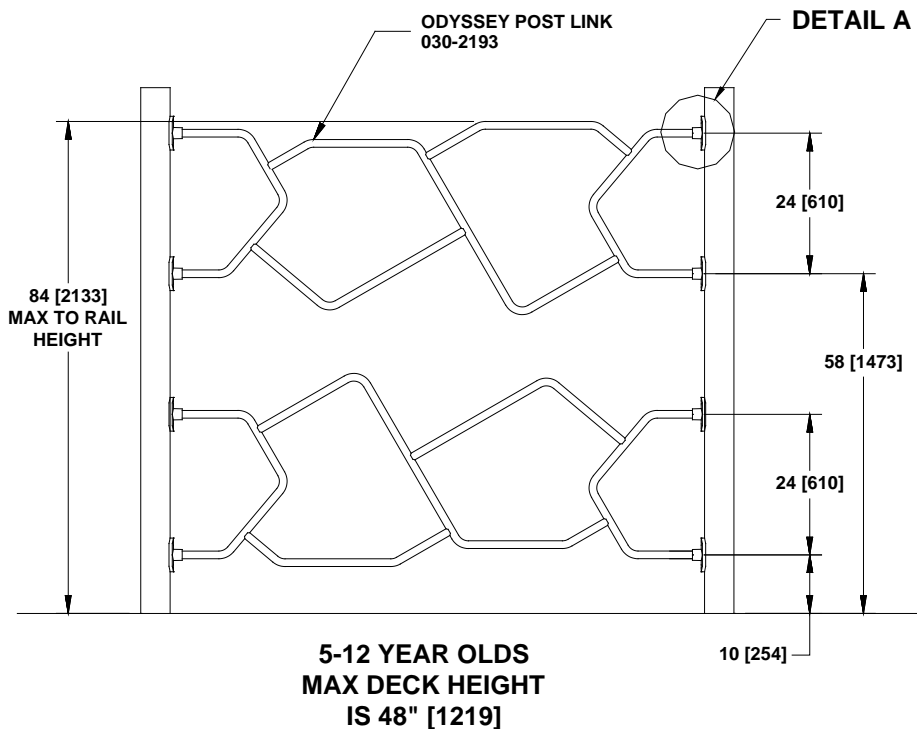
1. Locate the double sets of platform mounting holes in each post.
2. Attach with patented EZKonnnect® deck mounting system. Partially thread a 3/8" x 1 1/4" SS button head cap screw W/O LOCKING THREAD into the lower hole of the double set of mounting holes WITHOUT a washer.
DO NOT TIGHTEN. See DETAIL A.
3. Slide the four corners of the SQUARE PLATFORM onto the partially threaded cap screws on each post.
4. Complete attaching platform to posts by using 3/8" x 1 1/4" SS button head cap screws and 3/8" SS flat washers to secure platform into upper mounting hole. See DETAIL A.
5. Level platform and plumb posts.
6. Tighten all hardware.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [] BRACKETS.



**DETAIL A
(8 PLACES)**



370-0033
ODYSSEY POST LINK DOUBLE

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	8
030-2193	ODYSSEY POST LINK	2
036-0258	HARDWARE PACKAGE	8
036-0819	HARDWARE PACKAGE	4

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

ODYSSEY POST LINK: Weldment consisting of formed 1.315" OD x 12 GA galvanized tubing. Finished with a baked on powder coat finish.

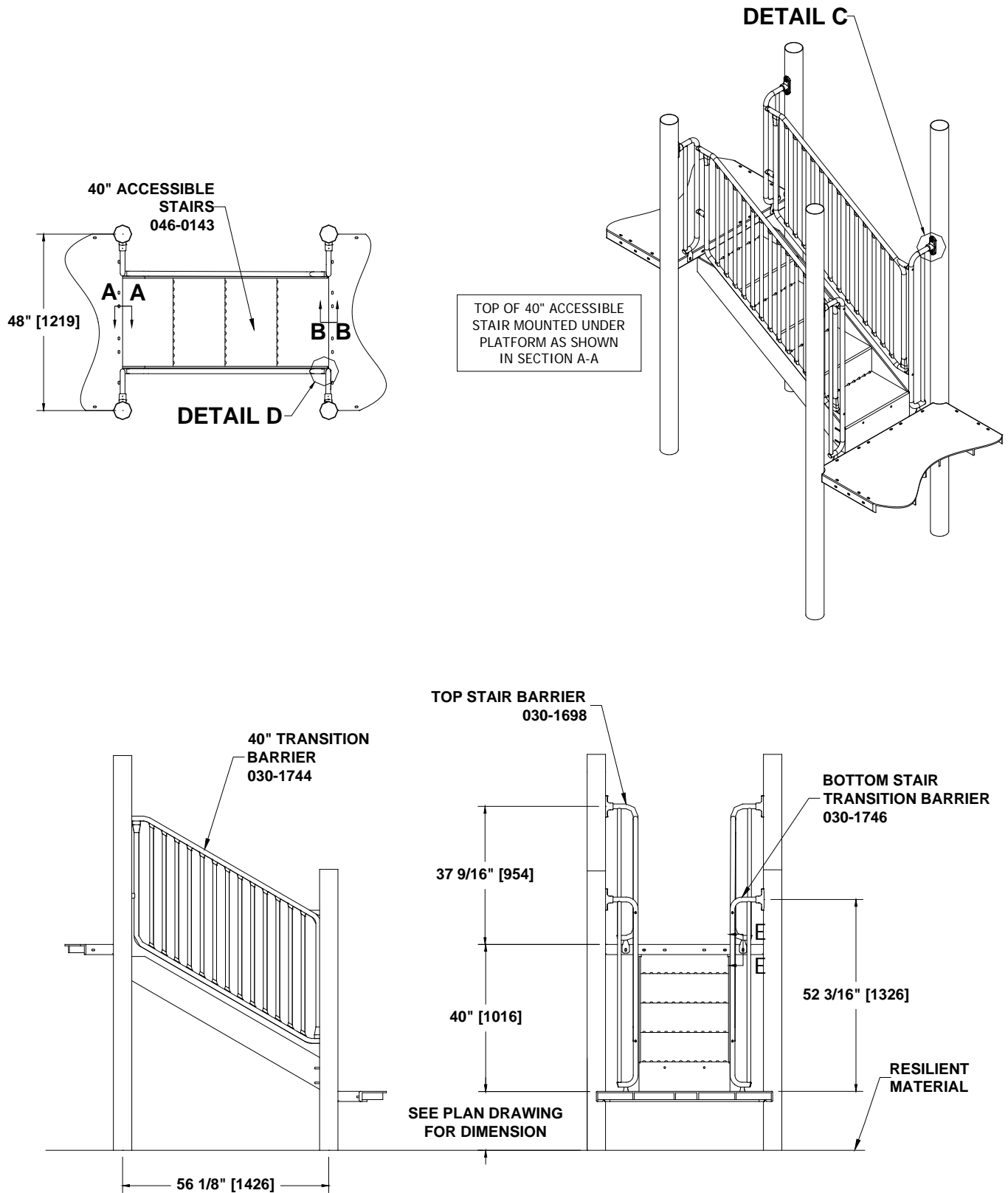
HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: Aluminum Rivets

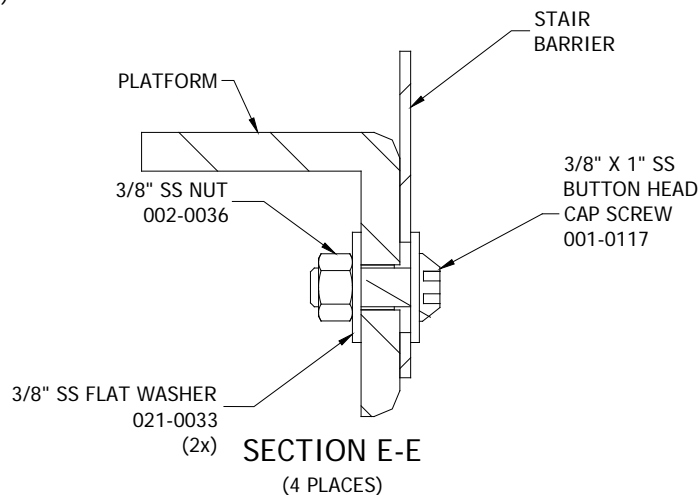
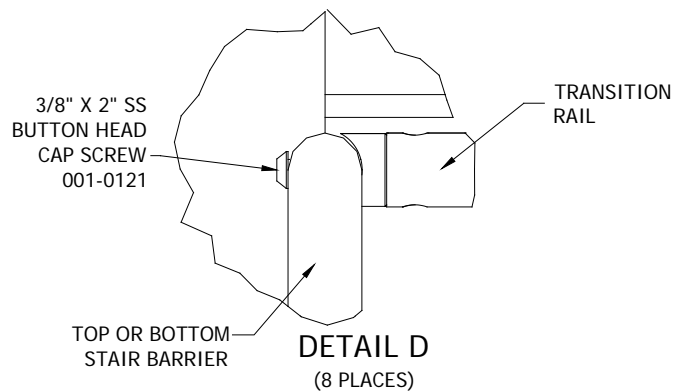
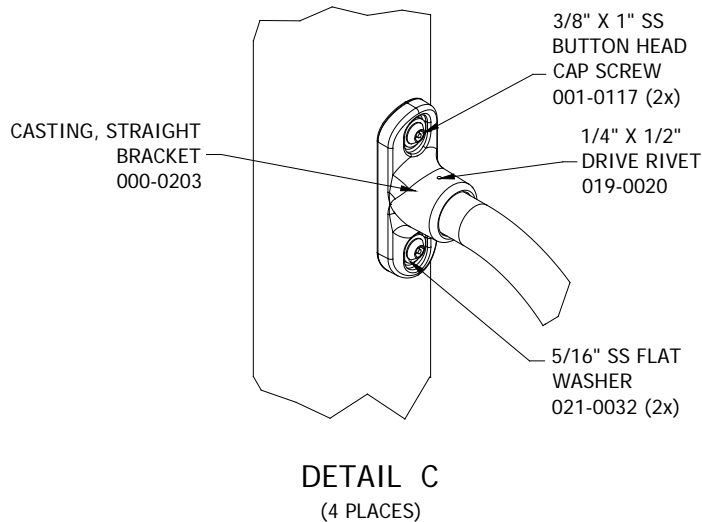
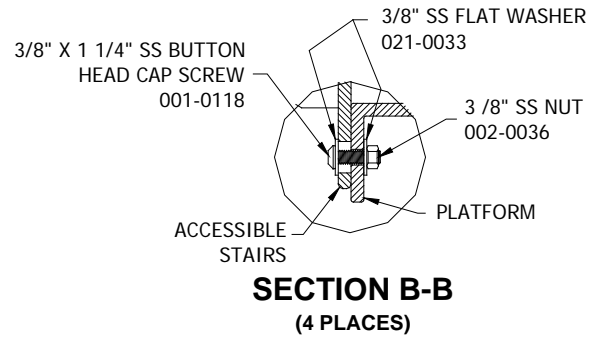
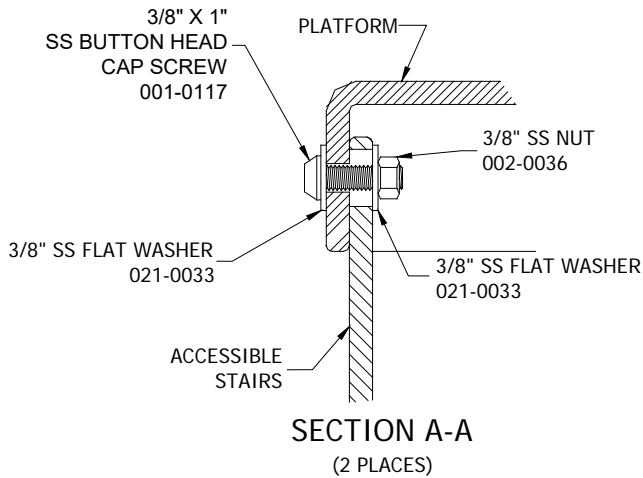
SHIPPING WEIGHT: 79 LBS.

INSTALLATION INSTRUCTIONS

1. Dig footing holes per dimensions shown. See typical concrete footing details, which are located in the preface of your installation manual.
2. Locate mounting holes for ODYSSEY POST LINKS on 5" OD posts.
3. Sleeve CASTING BRACKET onto ends of ODYSSEY POST LINKS. See DETAIL A.
4. Place ODYSSEY POST LINKS with brackets into position with 5" OD posts and fasten using hardware specified in DETAIL A.
5. Tighten all hardware.
6. Drill 1/4" diameter holes through pilot hole in mount bracket and into enclosure. Drive rivets flush with brackets and handrails. See DETAIL E.
7. Block-up, level and plumb climber.
8. Pour concrete. Let set for two to three days.
9. Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



370-0469
40" TRANSITION STAIR W/BARRIERS



370-0469 40" TRANSITION STAIR W/BARRIERS

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	4
030-1698	TOP STAIR BARRIER	2
030-1744	40" TRANSITION BARRIER	2
030-1746	BOTTOM STAIR TRANSITION BARRIER	2
036-1125	HARDWARE PACKAGE	1
046-0143	40" ACCESSIBLE STAIRS	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

TOP STAIR BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

40" TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, malleable iron plug and 10 GA galvanized steel plate. Finished with a baked on powder coating.

BOTTOM STAIR TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel screws, nuts & washers and aluminum rivets with 302 stainless steel pin.

40" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

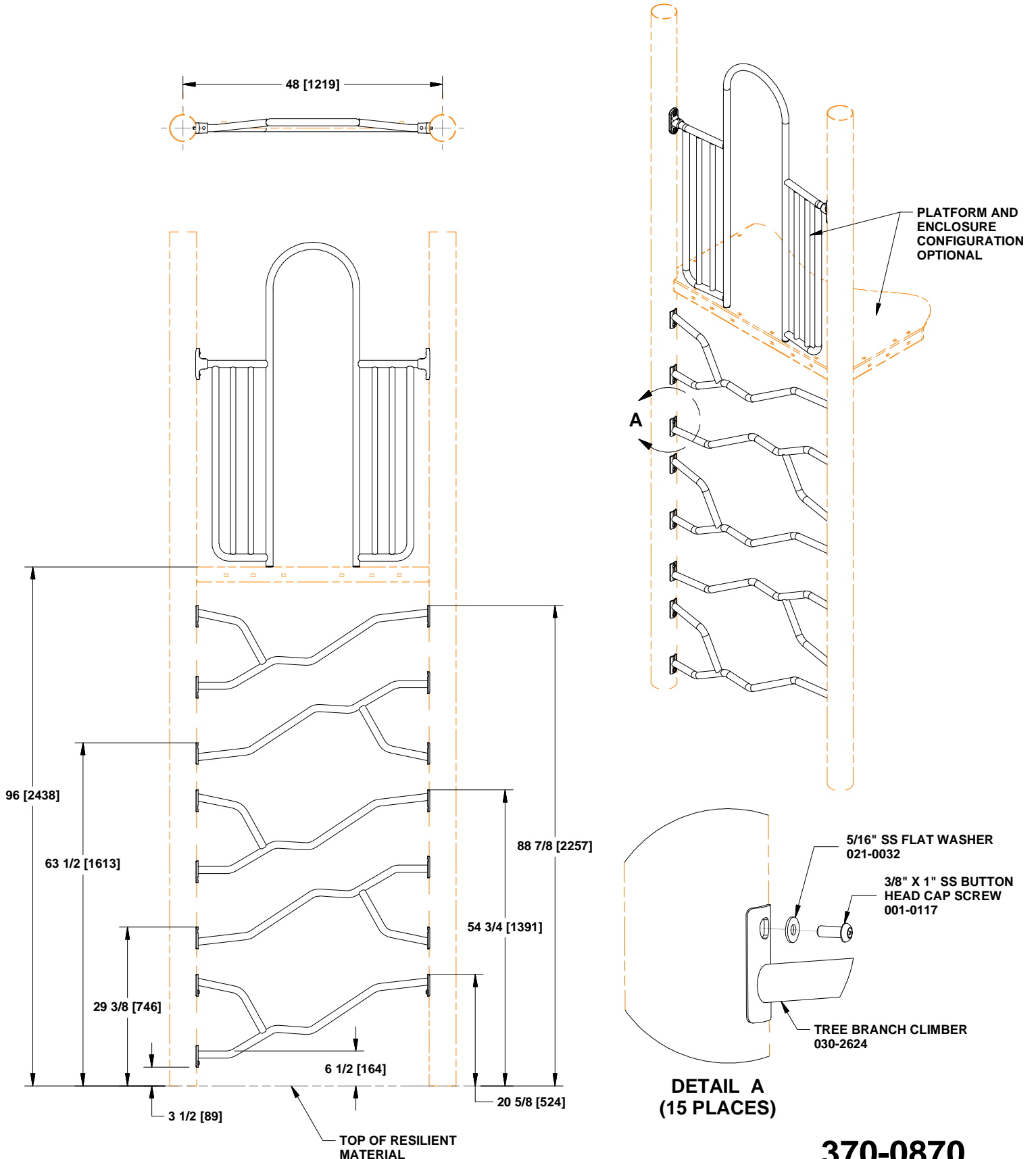
SHIPPING WEIGHT: 279 LBS.

INSTALLATION INSTRUCTIONS

N NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. Install platforms. See appropriate installation instructions.
2. Attach 40" ACCESSIBLE STAIRS to upper platform using 3/8" x 1" SS button head cap screw, 3/8" SS flat washers and 3/8" SS nuts. **NOTE: Make sure the stairs are centered between the posts.** See SECTION A-A.
3. Attach 40" accessible stairs to lower platform using 3/8" x 1 1/4" SS button head cap screw, 3/8" SS flat washers and 3/8" SS nuts. **NOTE: Make sure the stairs are centered between the posts.** See SECTION B-B.
4. Attach STRAIGHT BRACKET CASTINGS to 5" OD posts using 3/8" x 1" SS button head cap screws and 5/16" SS washers. See DETAIL C.
5. Attach TOP STAIR BARRIER to 40" TRANSITION BARRIER using 3/8" x 2" SS button head cap screws. See DETAIL D.
6. Attach BOTTOM STAIR TRANSITION BARRIER to 40" TRANSITION BARRIER using 3/8" x 2" SS button head cap screws. See DETAIL D.
7. Sleeve TOP STAIR BARRIER and BOTTOM STAIR TRANSITION BARRIER into straight bracket castings. Attach bottom of barriers to platforms using 3/8" x 1" SS button head cap screw, 3/8" SS flat washers and 3/8" SS nuts. See FRONT PAGE of this installation print for orientation. Also see DETAIL C and SECTION E-E.
8. Repeat steps 5 thru 7 for the opposite side of the stair.
9. Tighten all hardware.
10. Drill 1/4" diameter holes thru brackets and barriers. Insert 1/4" diameter drive rivets and pound center pins flush to engage rivets. Apply touch up paint to exposed heads of rivets.
11. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



370-0870 TREE BRANCH CLIMBER 96"

PARTS LIST

PART NO.	DESCRIPTION	QTY
030-2624	TREE BRANCH CLIMBER	5
036-0040	HARDWARE PACKAGE	5

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

TREE BRANCH CLIMBER: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 7 GA stainless steel sheet. Finished with a baked on powder coating.

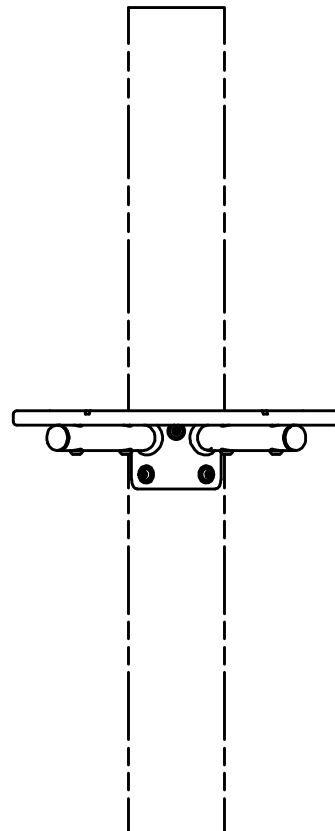
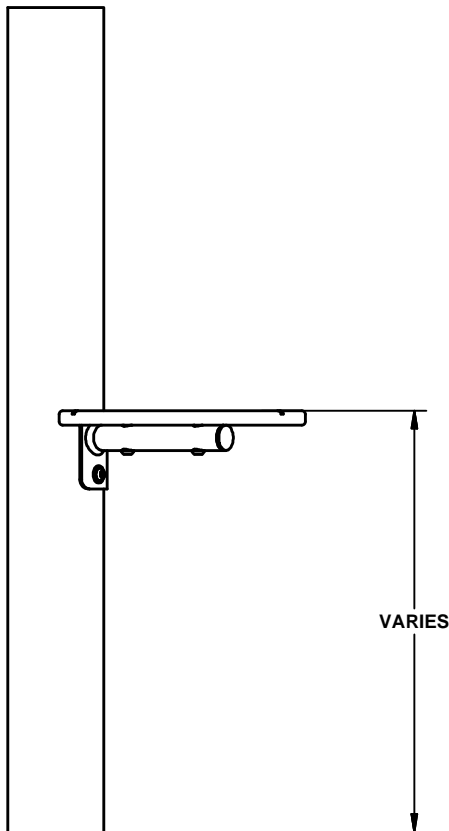
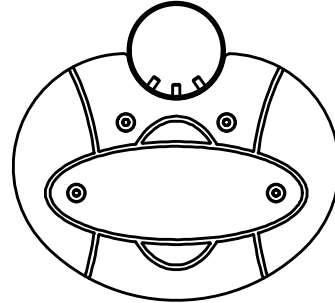
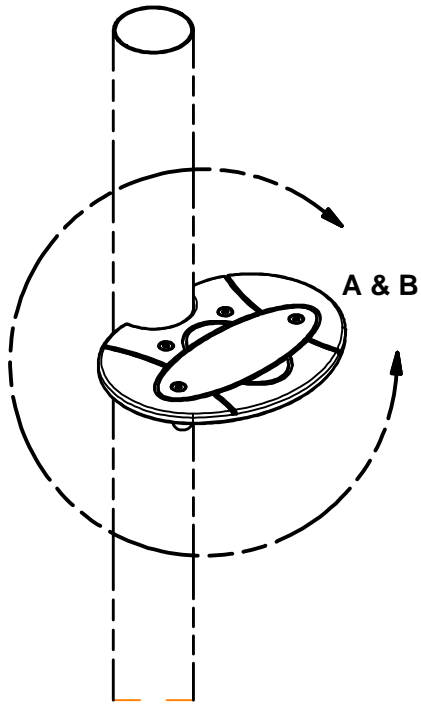
HARDWARE PACKAGE: Stainless Steel.

SHIPPING WEIGHT: 41 LBS.

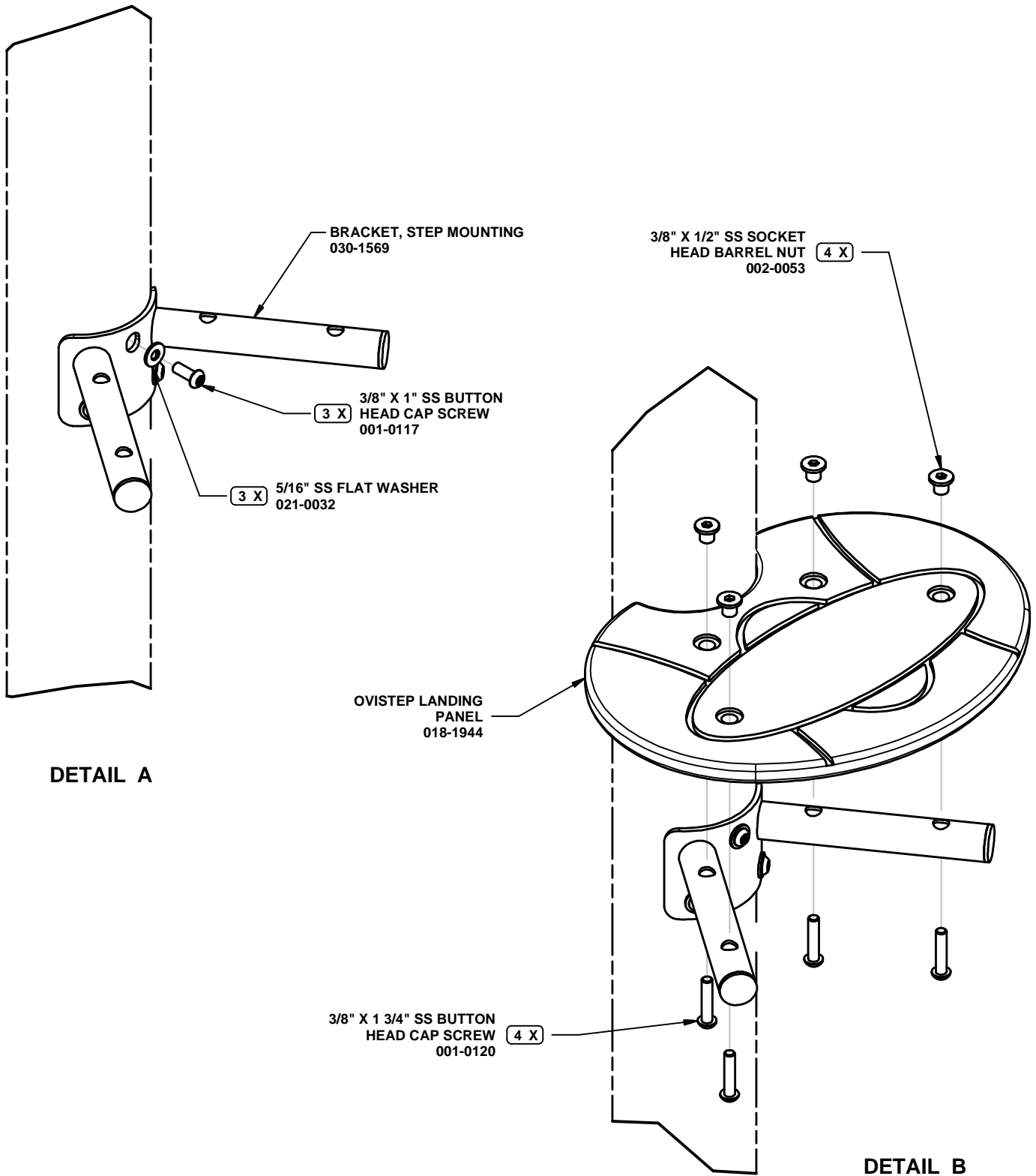
INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

1. Locate correct post to assemble climber to, from site plan.
2. Attach climber to post using hardware specified in DETAIL A. Repeat for remaining climbers.
3. Tighten all hardware.
4. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



370-1608 OVISTEP LAUNCH PAD



370-1608 OVISTEP LAUNCH PAD

PARTS LIST

PART NO.	DESCRIPTION	QTY
018-1944	OVISTEP LANDING PANEL	1
030-1569	BRACKET, STEP MOUNTING	1
036-1305	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

OVISTEP LANDING PANEL: 3/4" co-extruded HDPE.

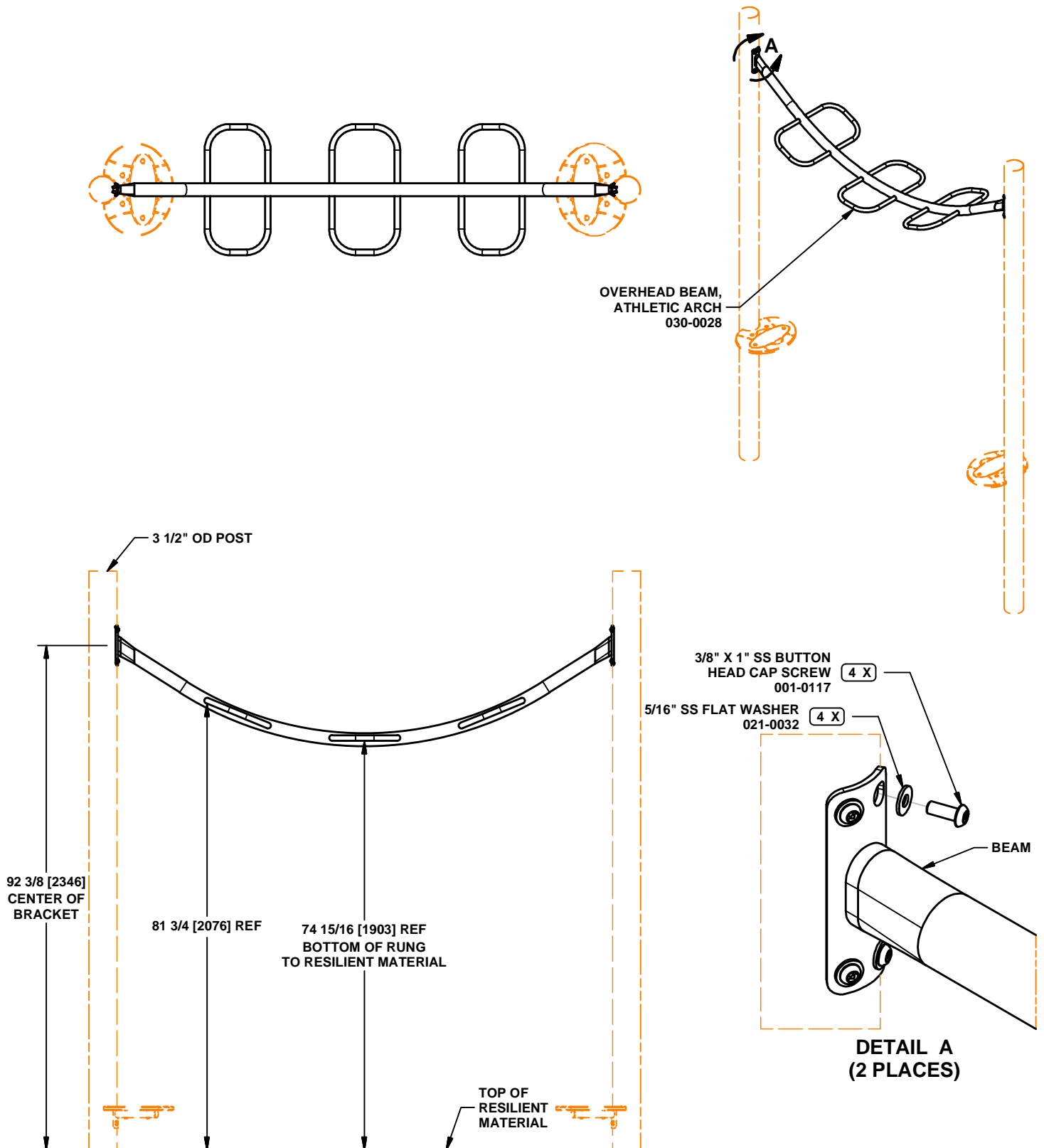
BRACKET, STEP MOUNTING: One piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 9.55 LBS.

INSTALLATION INSTRUCTIONS

1. Attach STEP MOUNTING BRACKET to post using hardware specified in DETAIL A.
2. Attach OVISTEP LANDING PANEL to Step Mounting Bracket using hardware specified in DETAIL B.
3. Plumb and level component. Tighten all hardware.
4. **INSTALL RESILIENT SURFACING MATERIAL IN ACCORDANCE TO INSTALLATION GUIDELINES.**



370-1610 ATHLETIC ARCH OH

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-0028	OVERHEAD BEAM, ATHLETIC ARCH	1
036-0258	HARDWARE PACKAGE	4

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

OVERHEAD BEAM, ATHLETIC ARCH: One piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA galvanized steel plate. Finished with a baked on powder coating.

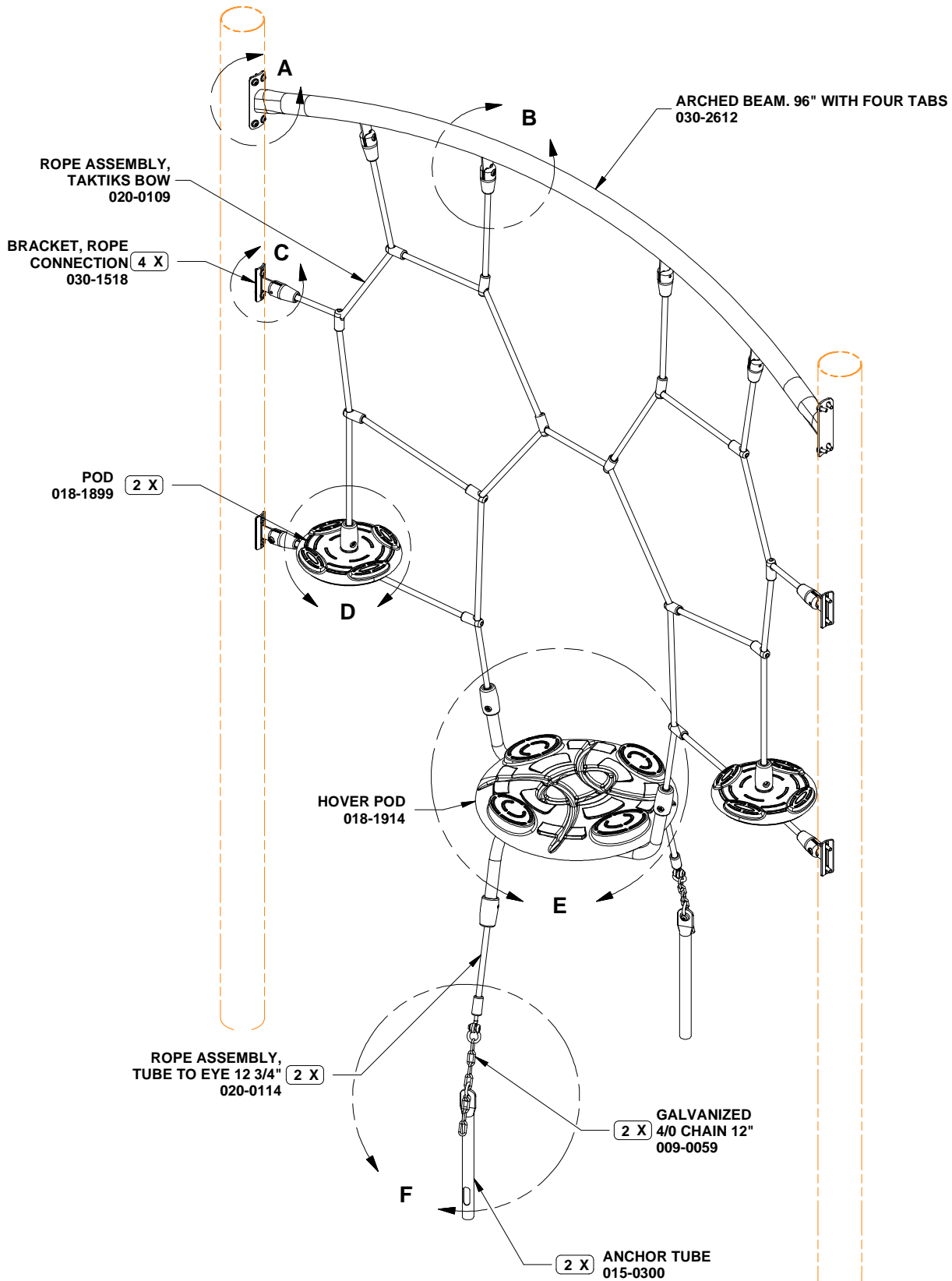
HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 46 LBS.

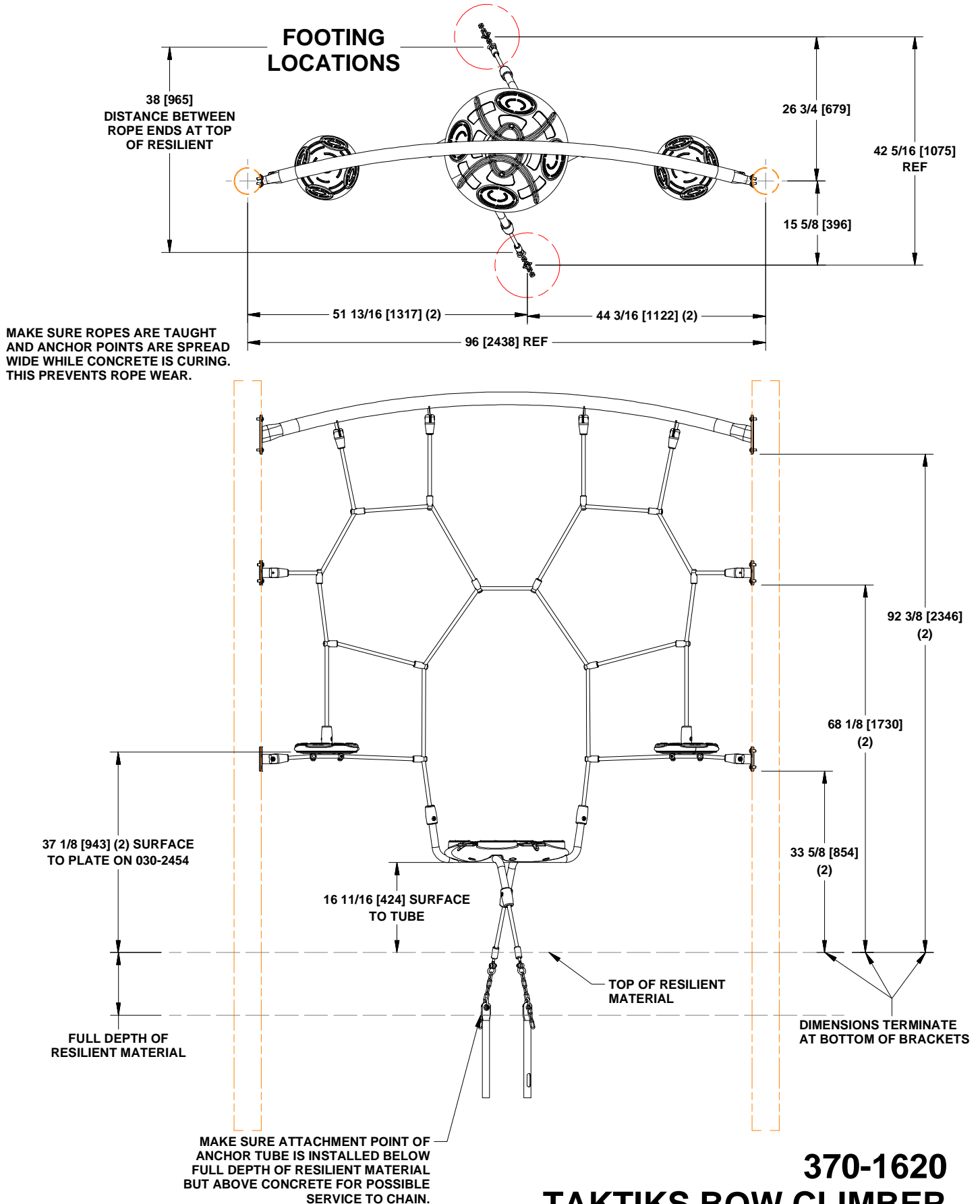
INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

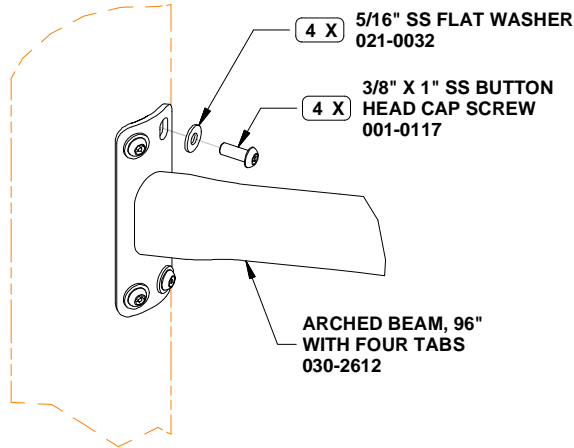
1. Attach OVERHEAD BEAM, ATHLETIC ARCH to posts using hardware specified in DETAIL A.
2. Plumb and level components. Tighten all hardware.
3. Pour concrete and allow concrete to set for 2-3 days.
4. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards, CPSC guidelines.**



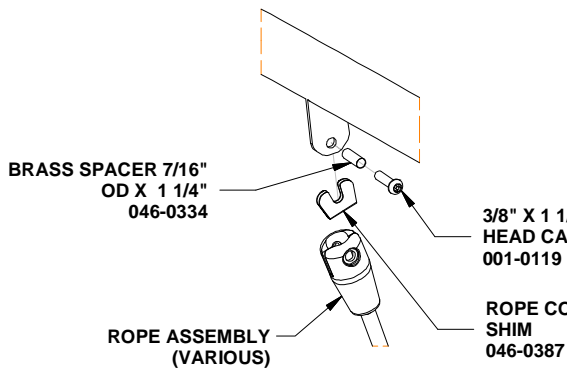
370-1620 TAKTIKS BOW CLIMBER



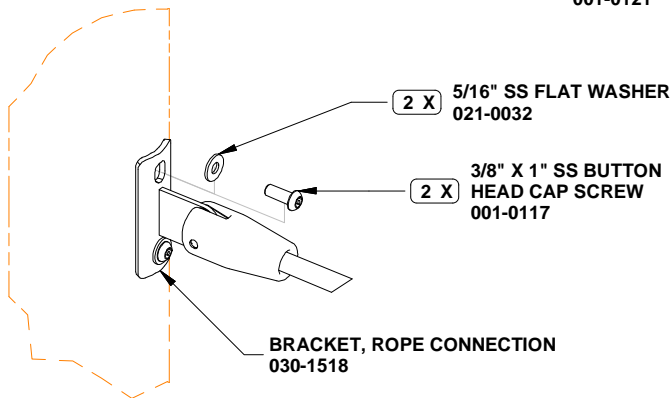
370-1620
TAKTIKS BOW CLIMBER



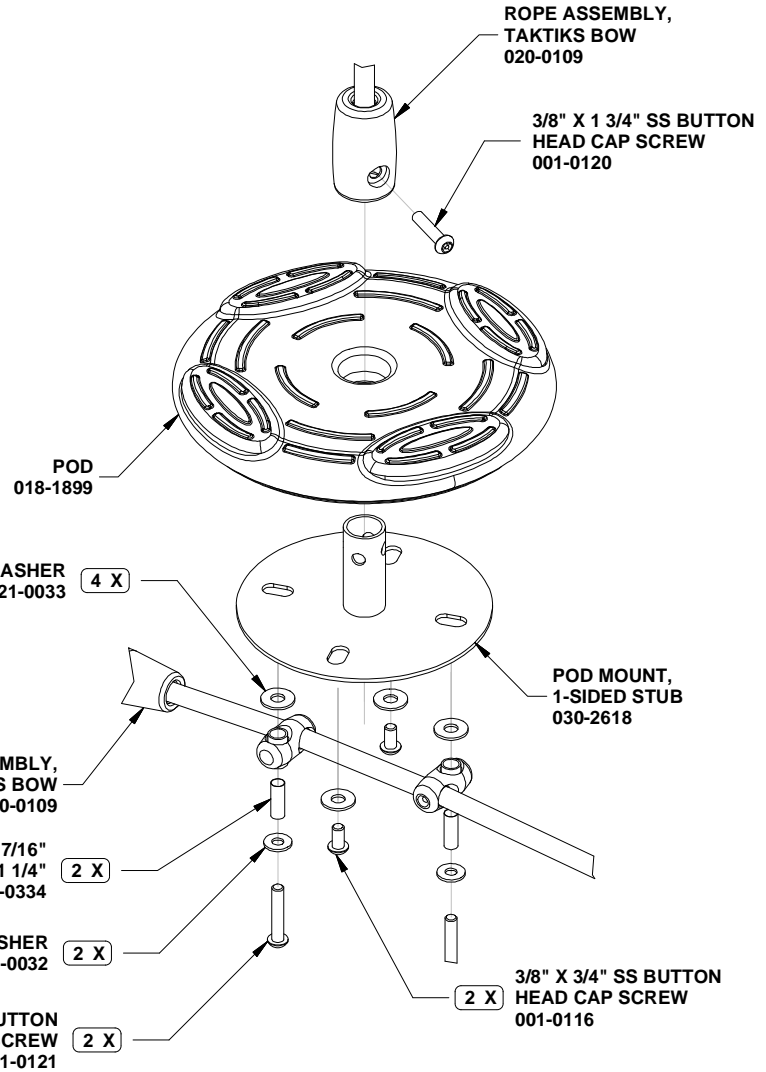
**DETAIL A
(2 PLACES)**



**DETAIL B
(8 PLACES)**

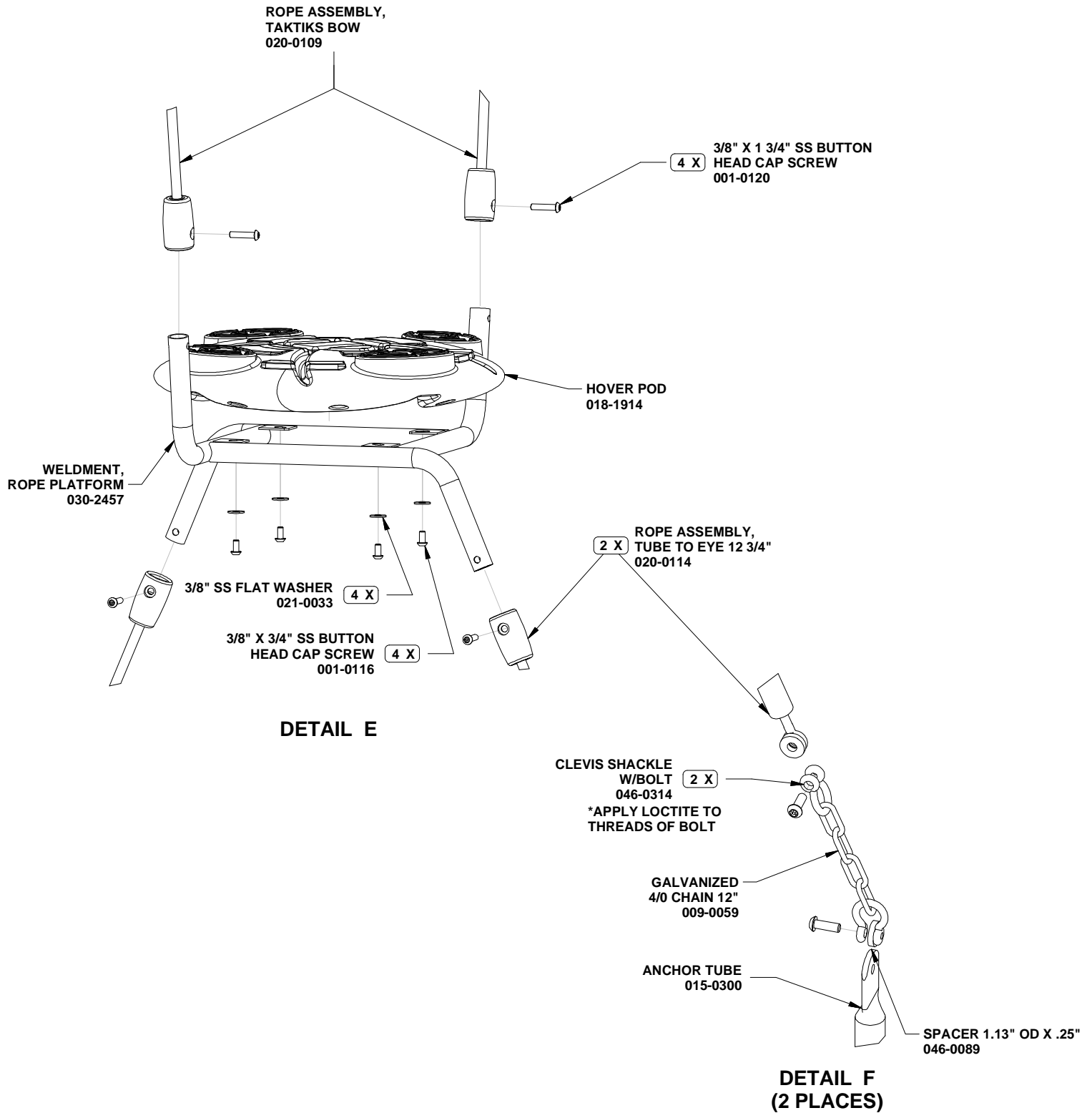


**DETAIL C
(4 PLACES)**



**DETAIL D
(2 PLACES)**

**370-1620
TAKTIKS BOW CLIMBER**



370-1620 TAKTIKS BOW CLIMBER

PARTS LIST

PART NO.	DESCRIPTION	QTY
009-0059	GALVANIZED 4/0 CHAIN 12"	2
015-0300	ANCHOR TUBE	2
018-1899	POD	2
018-1914	HOVER POD	1
020-0109	ROPE ASSEMBLY, TAKTIKS BOW	1
020-0114	ROPE ASSEMBLY, TUBE TO EYE 12 3/4"	2
030-1518	BRACKET, ROPE CONNECTION	4
030-2457	WELDMENT, ROPE PLATFORM	1
030-2612	ARCHED BEAM, 96" WITH FOUR TABS	1
030-2618	POD MOUNT, 1-SIDED STUB	2
036-0788	HARDWARE PACKAGE	2
036-0893	HARDWARE PACKAGE	1
046-0089	SPACER 1.13" OD X .25"	4
046-0291	LOCTITE	1
046-0334	BRASS SPACER 7/16" OD X 1 1/4"	12

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

GALVANIZED 4/0 CHAIN 12": Galvanized 4/0 straight coil chain.

ANCHOR TUBE: 1.315" OD x 12 GA galvanized steel tubing.

POD; HOVER POD: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.

ROPE ASSEMBLY, TAKTIKS BOW; ROPE ASSEMBLY, TUBE TO EYE 12 3/4": Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules.

BRACKET, ROPE CONNECTION: One piece all welded construction consisting of a formed 3/16" stainless steel plate and a 8 GA galvanized steel sheet. Finished with a baked on powder coating.

WELDMENT, ROPE PLATFORM: One piece all welded construction consisting of formed 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

ARCHED BEAM, 96" WITH FOUR TABS: One piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing, 7 GA stainless steel sheet and 8 GA galvanized steel plate. Finished with a baked on powder coating.

POD MOUNT, 1-SIDED STUB: One piece all welded construction consisting of formed 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized steel sheet. Finished with a baked on powder coating.

HARDWARE PACKAGE: 5/16" Shackle with a 3/8" X 1 5/32" bolt.

HARDWARE PACKAGE: Stainless steel and black thermoplastic.

SPACER 1.13" OD X .25": 1/4" Nylatron GS.

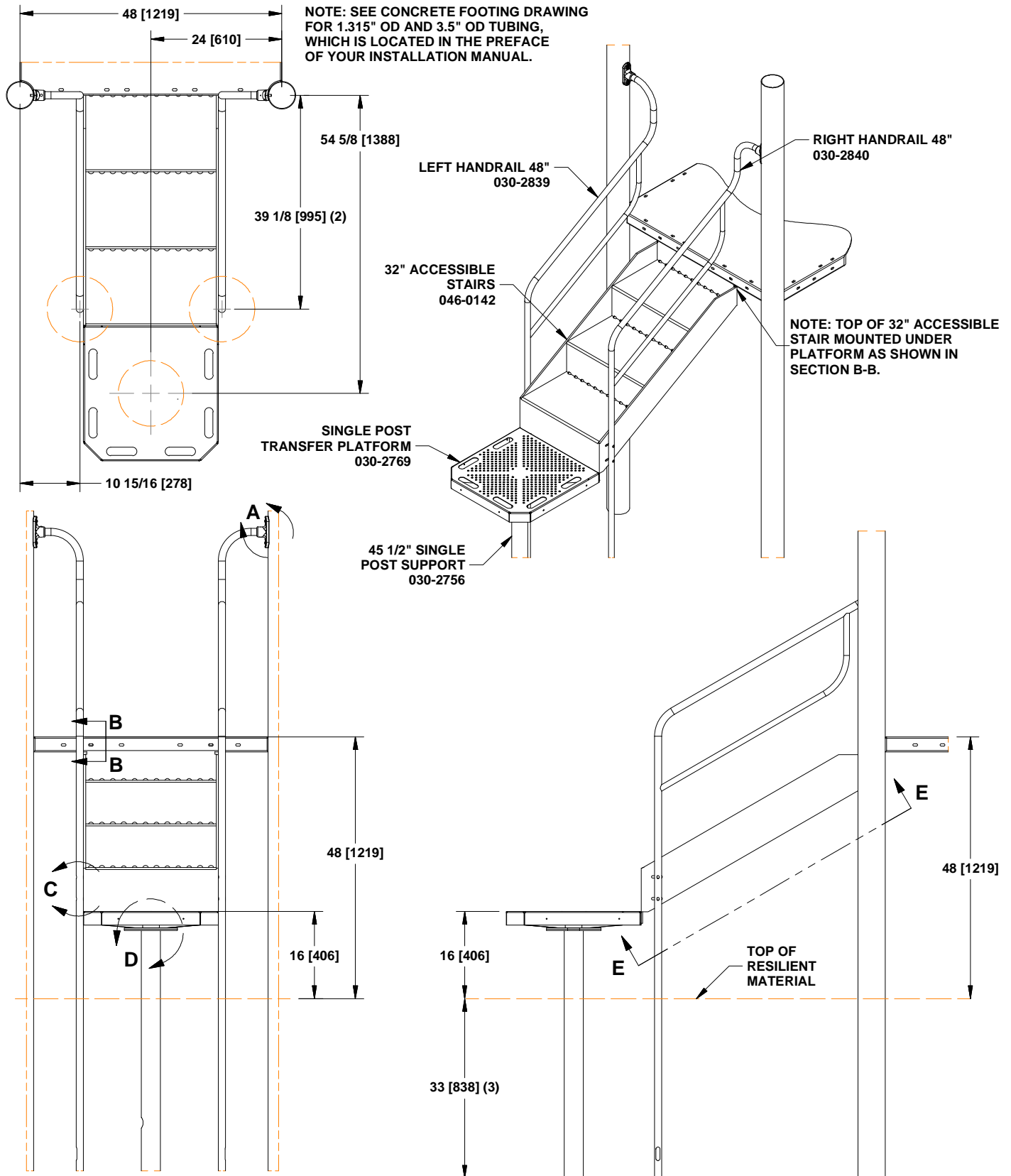
LOCTITE: Thread Locker; **CAUTION**: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

BRASS SPACER 7/16" OD X 1 1/4": Brass Tube 7/16" OD X .028" Wall

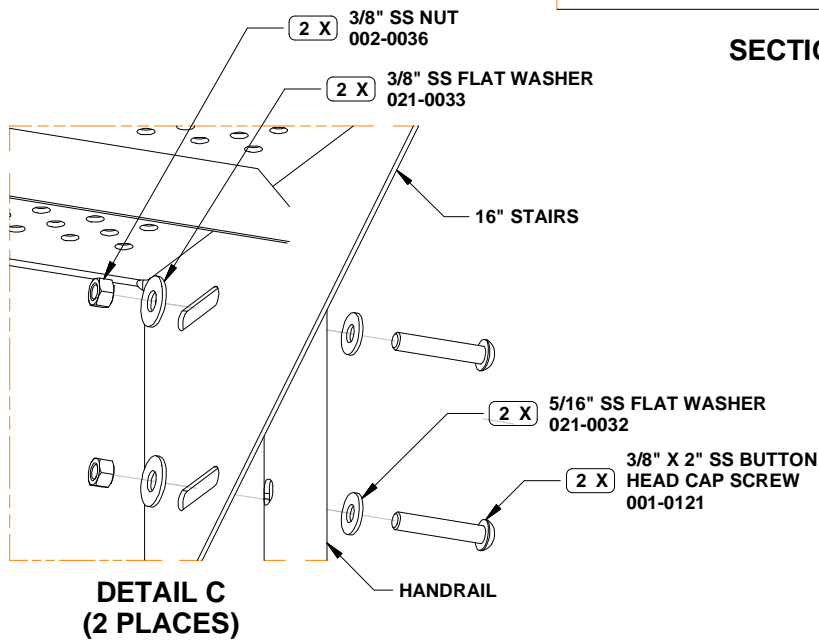
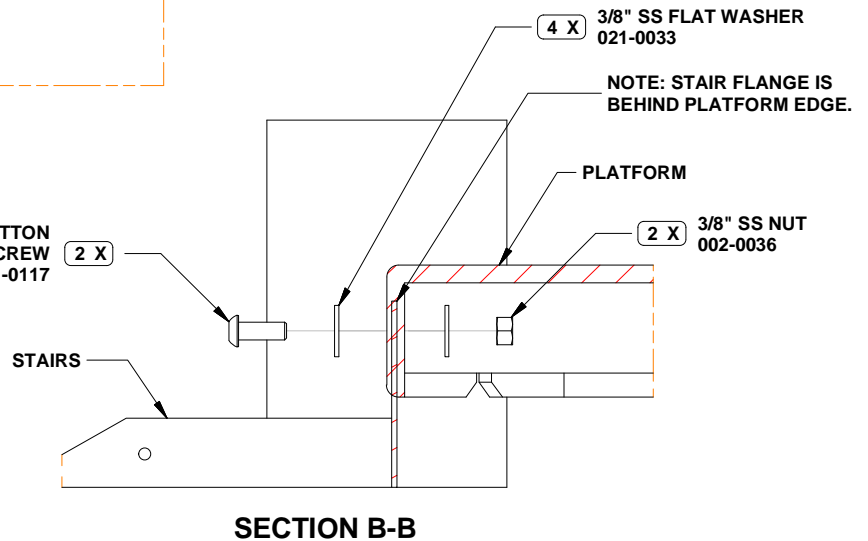
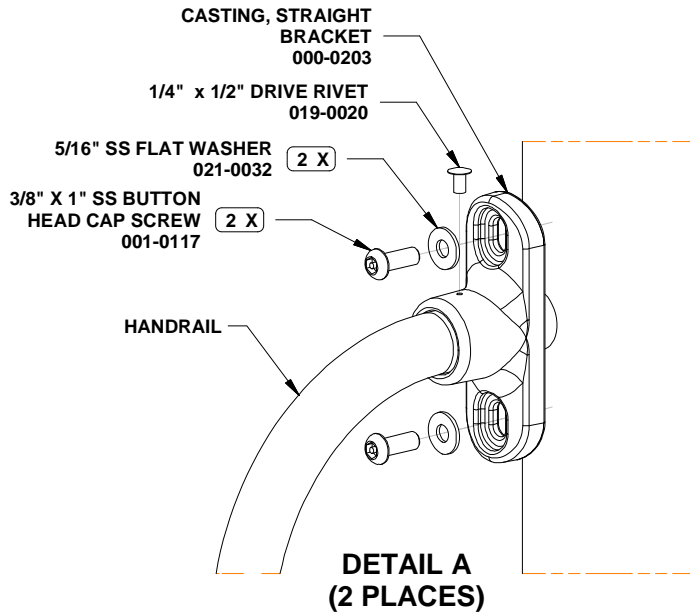
SHIPPING WEIGHT: 79 LBS.

INSTALLATION INSTRUCTIONS

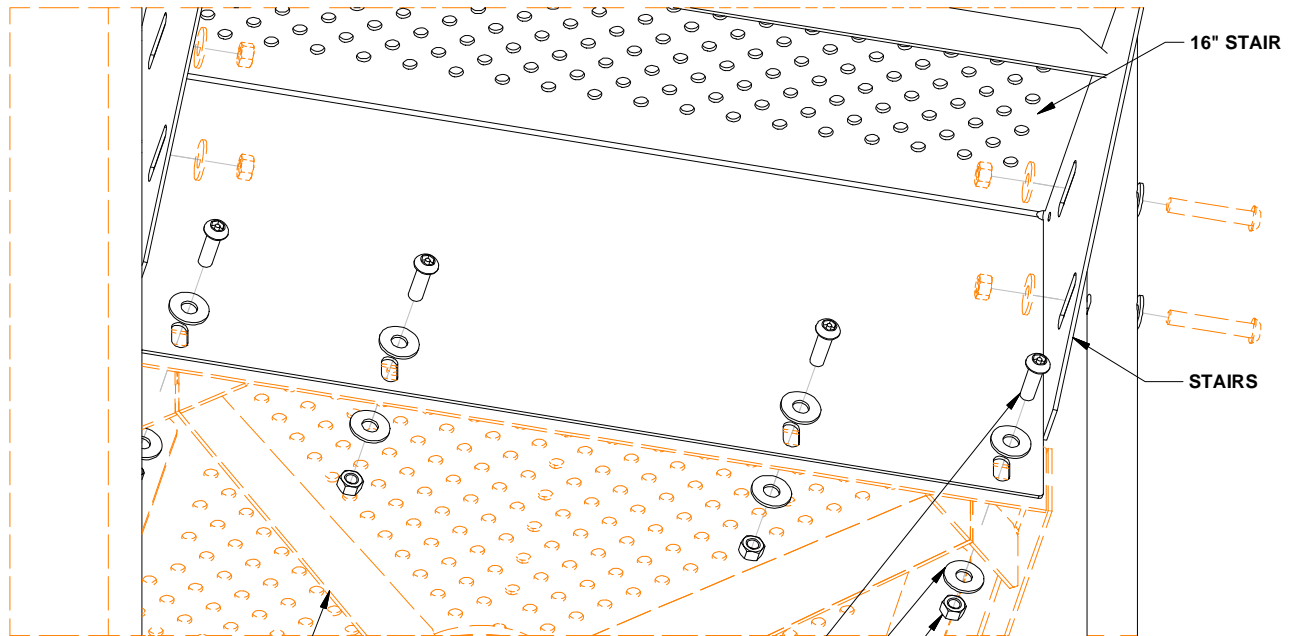
1. Locate footing holes per dimensions shown in FOOTING LOCATIONS view and dig per dimensions given in TYPICAL CONCRETE FOOTINGS for 2 3/8" OD tubes or smaller, which is located in the preface of your installation manual.
2. Attach ARCHED BEAM, 96" WITH FOUR TABS to posts using hardware shown in DETAIL A.
3. Attach (4) BRACKET, ROPE CONNECTION to posts using hardware specified in DETAIL C.
4. Attach ROPE ASSEMBLY, TAKTIKS BOW to beam and brackets using hardware specified in DETAIL B.
5. Assemble (2) POD MOUNT, 1-SIDED STUB and (2) POD using hardware specified in DETAIL D.
6. Attach (2) pod assembly to taktiks bow rope assembly using hardware specified in DETAIL D.
7. Assemble WELDMENT, ROPE PLATFORM and HOVER POD using hardware specified in DETAIL E.
8. Attach hover pod assembly to Taktiks Bow rope assembly using hardware specified in DETAIL E.
9. Connect (2) ROPE ASSEMBLY, TUBE TO EYE 12 3/4" to hover pod assembly using hardware specified in DETAIL E.
10. Assemble (2) GALVANIZED 4/0 CHAIN 12", (2) ANCHOR TUBE, and (2) tube to ropes with eye bolts using hardware specified in DETAIL F. NOTE: Apply Loctite to clevis bolts.
11. Place anchor tube into footings. Pour concrete. Let set for two to three days.
12. **MAKES SURE ROPES ARE TAUT.** If some are not taut, remove bolts from anchor tubes and refasten bolt through the next higher link.
13. **Install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**



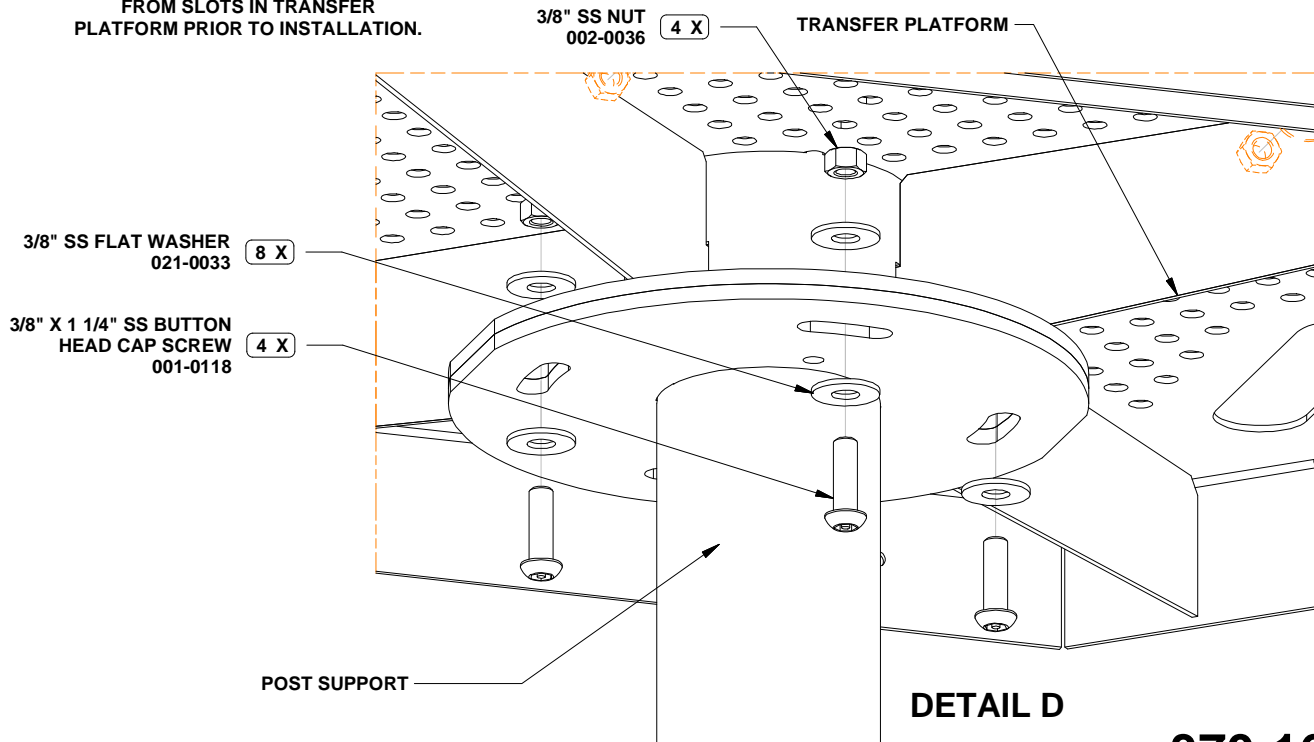
370-1659 TRANSFER STATION, HANDRAIL 48"



370-1659 TRANSFER STATION, HANDRAIL 48"



NOTE: PVC MAY NEED TO BE REMOVED FROM SLOTS IN TRANSFER PLATFORM PRIOR TO INSTALLATION.



370-1659

TRANSFER STATION, HANDRAIL 48"

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0203	CASTING, STRAIGHT BRACKET	2
030-2756	45 1/2" SINGLE POST SUPPORT	1
030-2769	SINGLE POST TRANSFER PLATFORM	1
030-2839	LEFT HANDRAIL 48"	1
030-2840	RIGHT HANDRAIL 48"	1
036-0819	HARDWARE PACKAGE	1
036-1519	HARDWARE PACKAGE	1
046-0142	32" ACCESSIBLE STAIRS	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

45 1/2" SINGLE POST SUPPORT: One piece welded construction consisting of 3.5" OD X 11 Ga galvanized tubing and a 1/4" HRS mounting plate finished with a baked-on powder coat.

SINGLE POST TRANSFER PLATFORM: One piece welded construction consisting of 12 GA sheet steel, 1/4" HRS mounting plate and 4 1/2" X 11 Ga steel tubing finished with a PVC dipped coating.

LEFT HANDRAIL 48"; RIGHT HANDRAIL 48": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel screws, nuts and washers. Aluminum rivets.

32" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

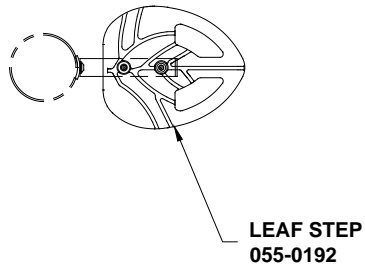
SHIPPING WEIGHT: 210 LBS.

INSTALLATION INSTRUCTIONS

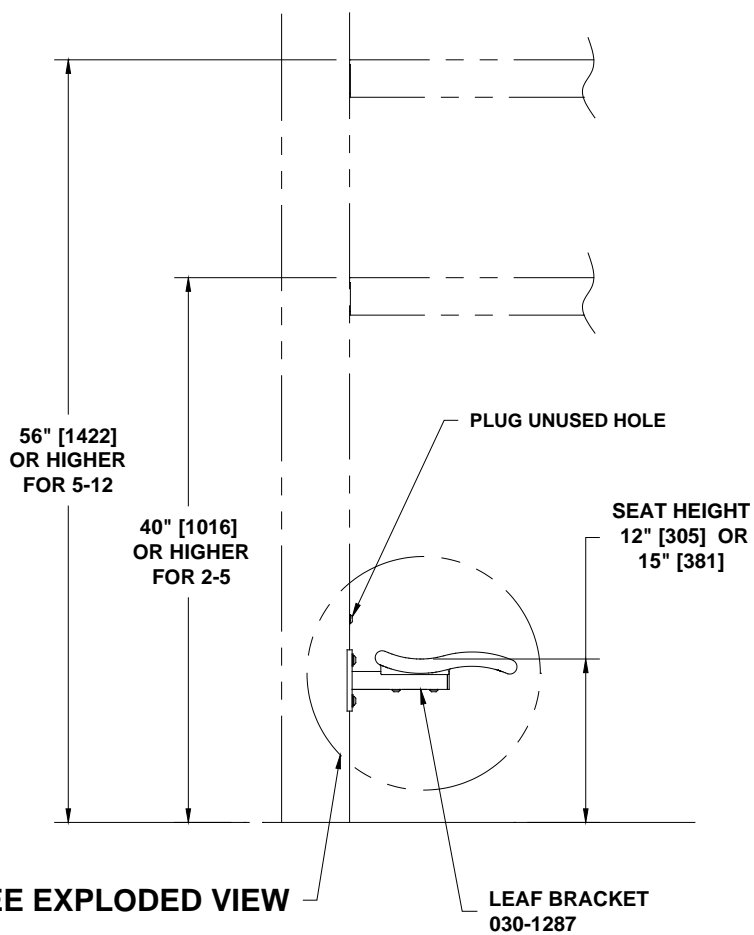
NOTE: Do not tighten hardware until instructed to do so.

NOTE: PVC coating may need to be removed from mounting slots of platforms before installation.

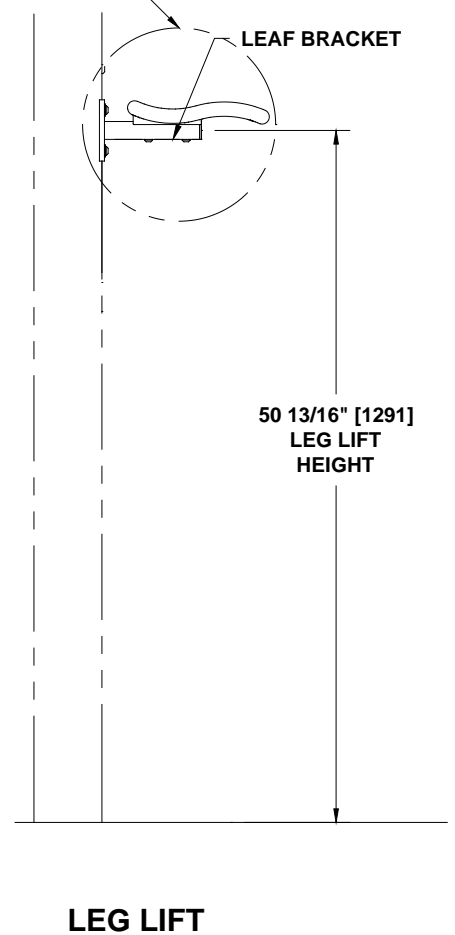
1. Install PLATFORMS. See appropriate installation instructions.
2. Dig footing holes per dimensions shown. See typical concrete footing drawings for 1.315" OD and 5" OD tubing, which are located in the preface of your installation manual.
3. Attach 32" ACCESSIBLE STAIR to PLATFORM using hardware as shown in SECTION B-B. **NOTE: The heads of the 3/8" x 1" SS BUTTON HEAD CAP SCREWS must be on the platform side.**
4. Attach 48" HANDRAILS, with castings, to 5" OD POSTS using hardware as shown in DETAIL A.
5. Attach 48" HANDRAILS to 32" ACCESSIBLE STAIR using hardware indicated in DETAIL C.
6. Attach 45 1/2" SINGLE POST SUPPORT to SINGLE POST TRANSFER PLATFORM using hardware shown in DETAIL D.
7. Attach 32" ACCESSIBLE STAIRS to transfer platform using hardware as shown in VIEW E-E.
9. Tighten all hardware.
10. Block up, plumb and level assembly.
11. Pour concrete and allow concrete to set for 2-3 days.
12. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



SEE EXPLODED VIEW

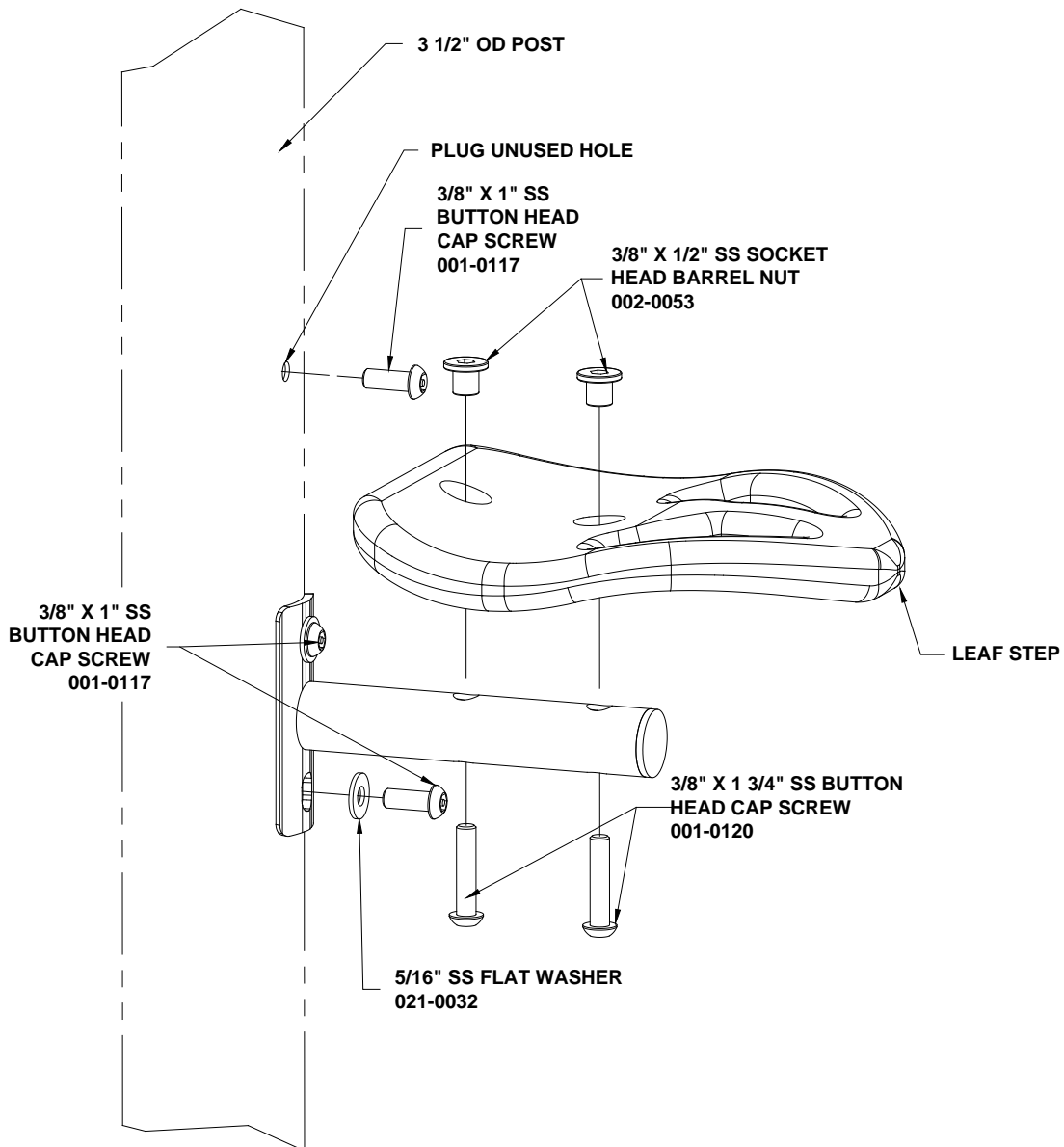


LEAF SEAT



LEG LIFT

470-0387
SINGLE LEAF SEAT



EXPLODED VIEW

470-0387
SINGLE LEAF SEAT

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-1287	LEAF BRACKET	1
036-1305	HARDWARE PACKAGE	1
055-0192	LEAF STEP	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

LEAF BRACKET: One piece all welded construction consisting of a formed 3/16" stainless steel plate, 10 GA galvanized steel plate and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel

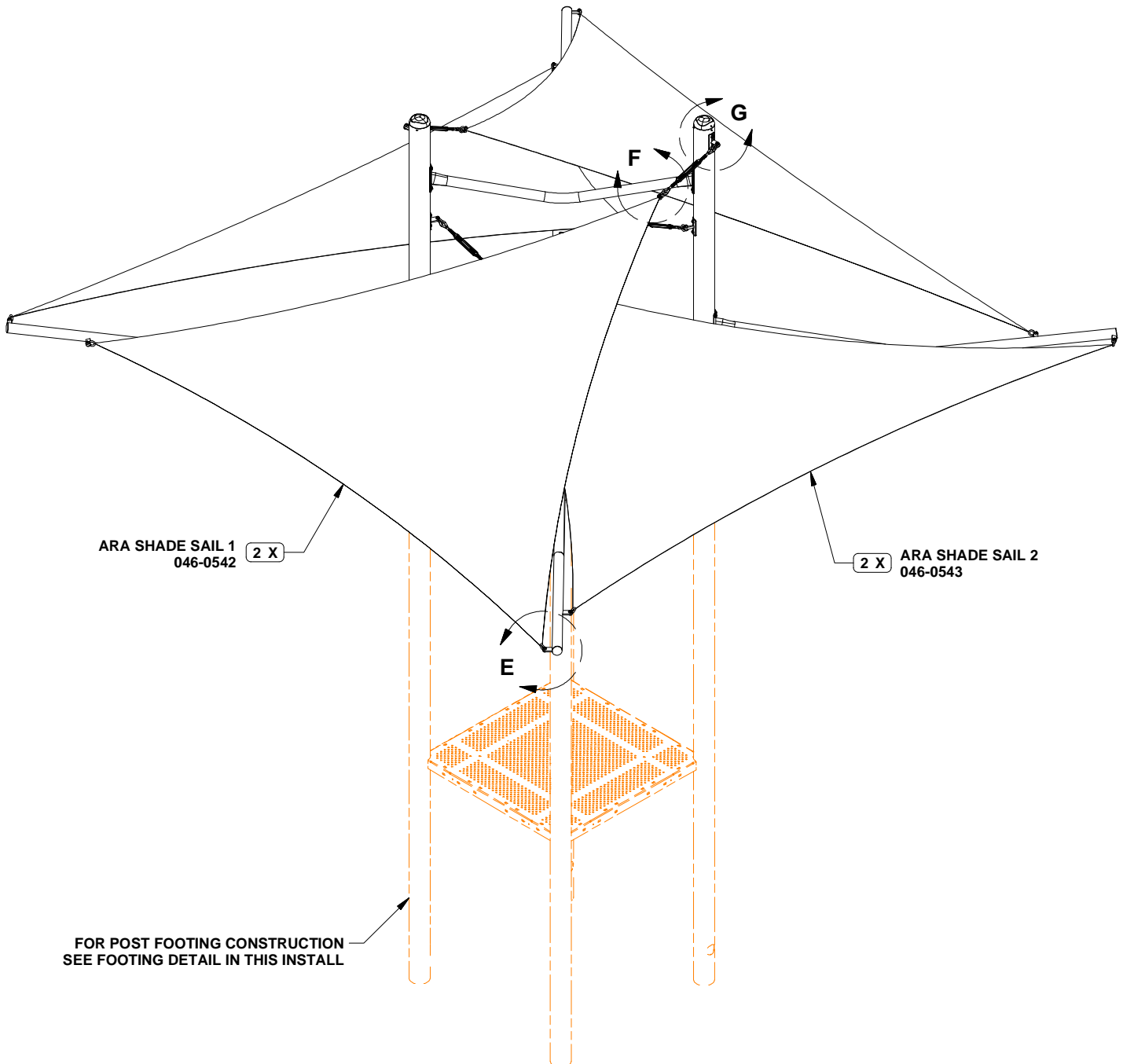
LEAF STEP: Cast aluminum alloy finished with a baked on powder coating.

SHIPPING WEIGHT: 7 LBS.

INSTALLATION INSTRUCTIONS

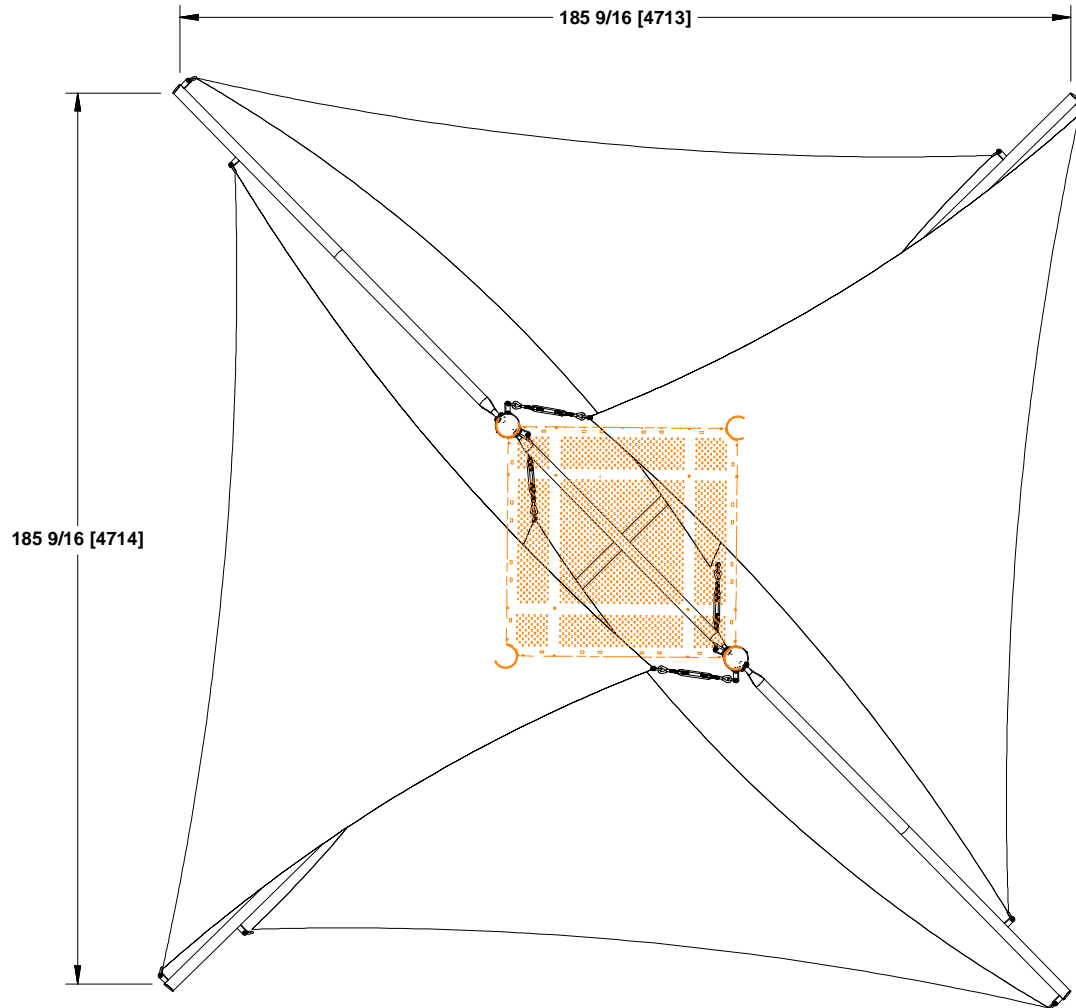
NOTE: Do not tighten hardware until instructed to do so.

1. Attach LEAF BRACKET to post using hardware specified in EXPLODED VIEW.
2. Assemble individual LEAF STEP to leaf bracket using hardware specified in EXPLODED VIEW.
3. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

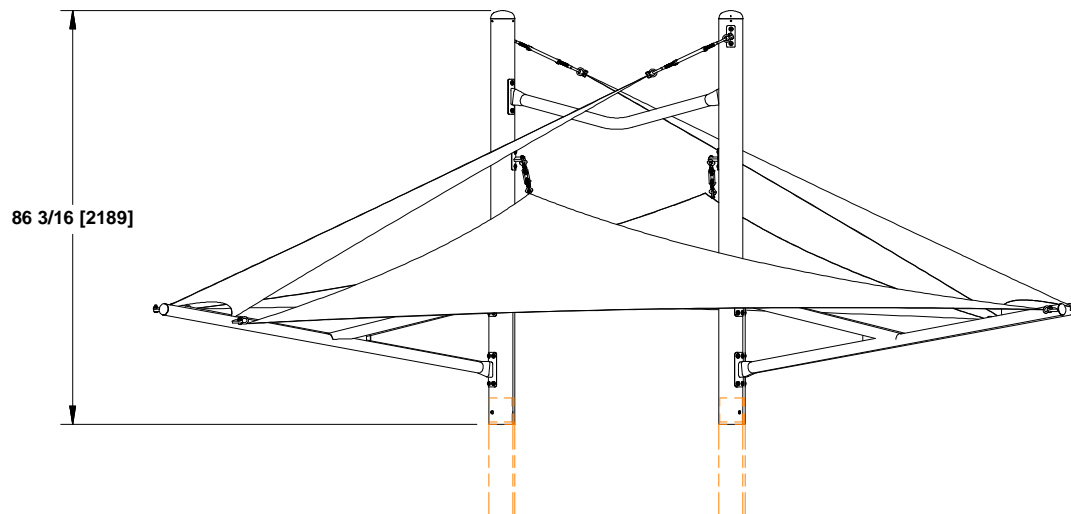


SHADE SAIL ORIENTATION

470-0670 ARA SQUARE SHADE CANOPY

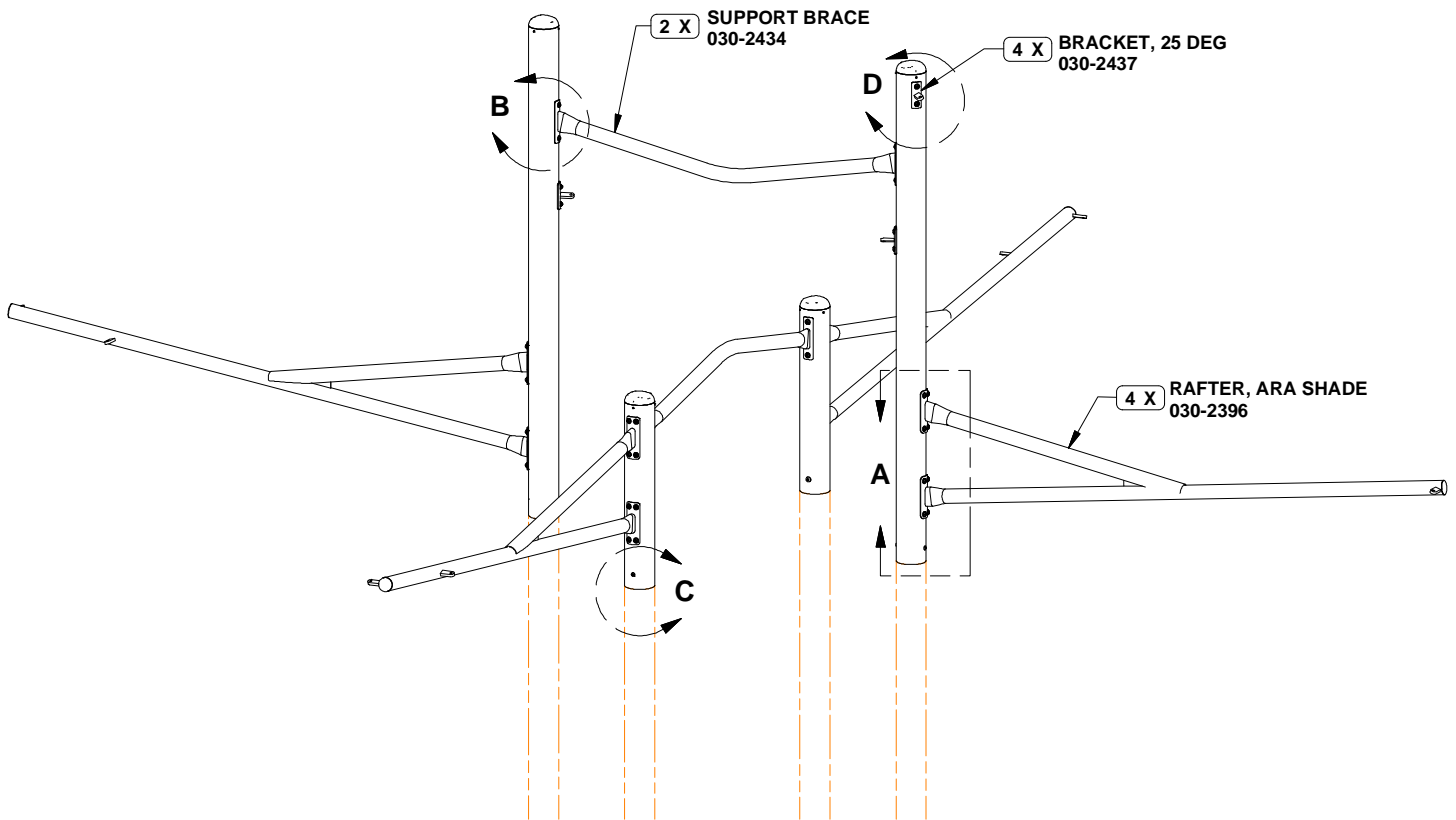


TOP VIEW

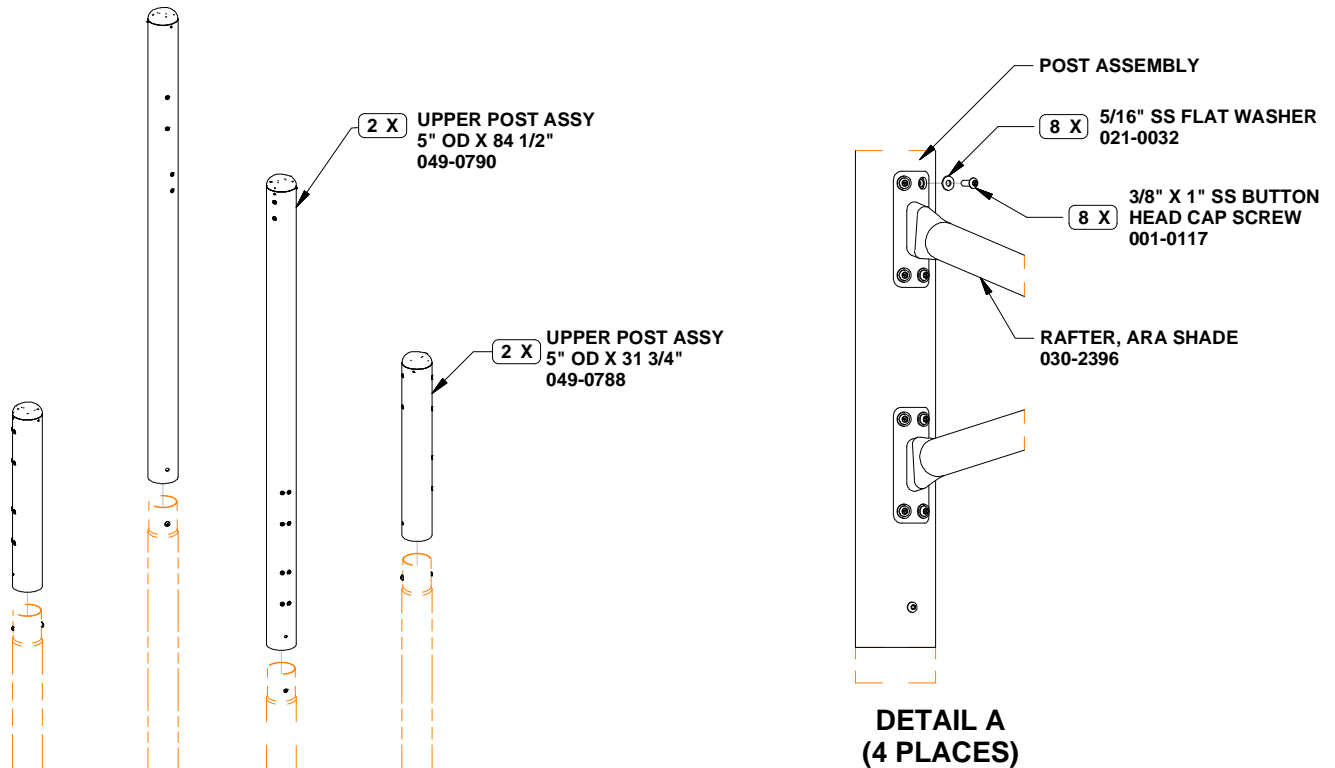


SIDE VIEW

470-0670 ARA SQUARE SHADE CANOPY

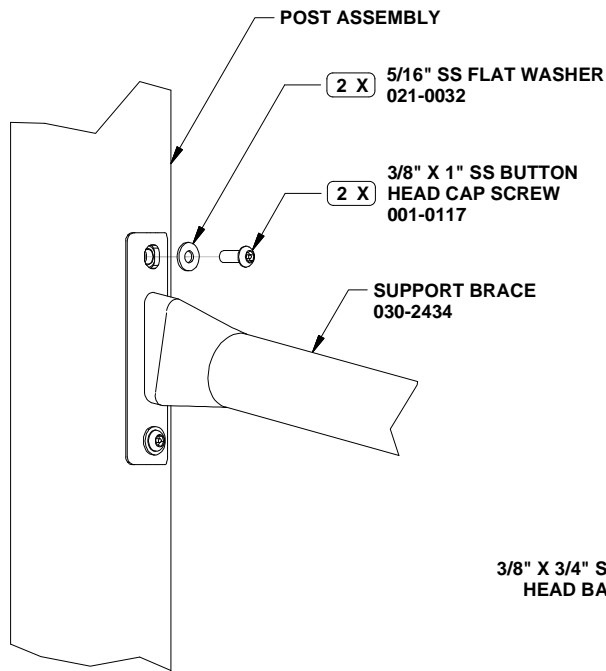


FRAMEWORK VIEW

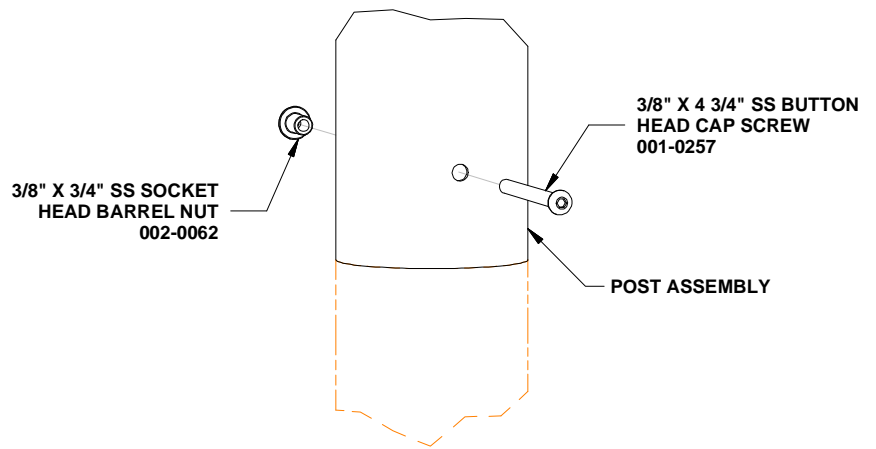


POST ASSEMBLY VIEW

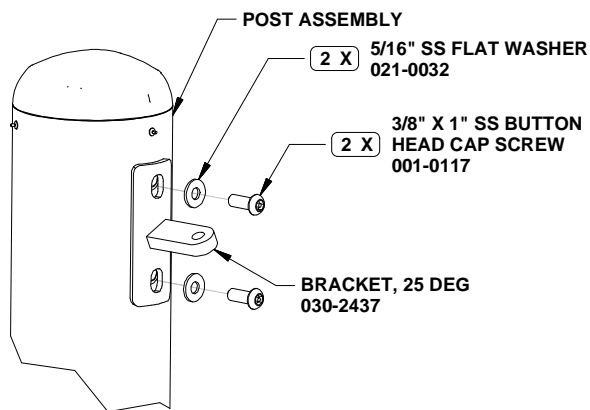
470-0670 ARA SQUARE SHADE CANOPY



**DETAIL B
(4 PLACES)**

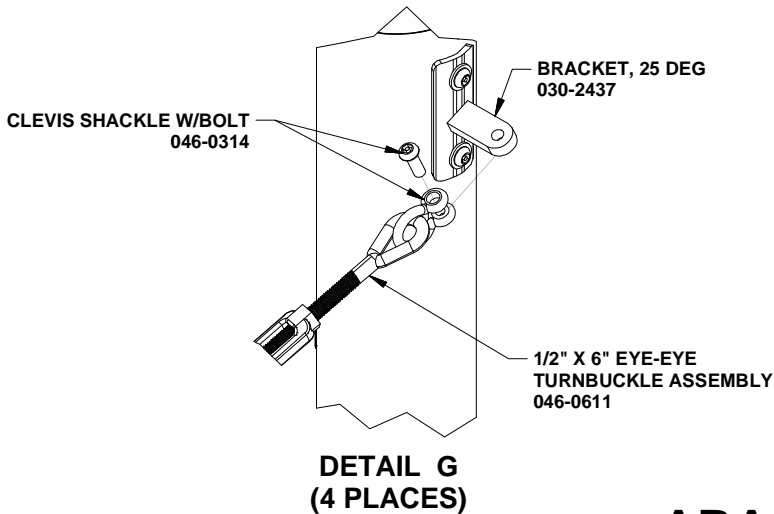
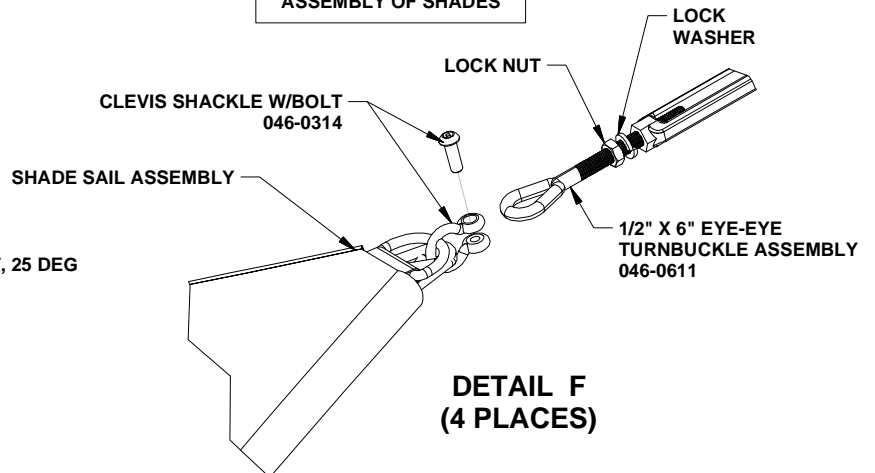
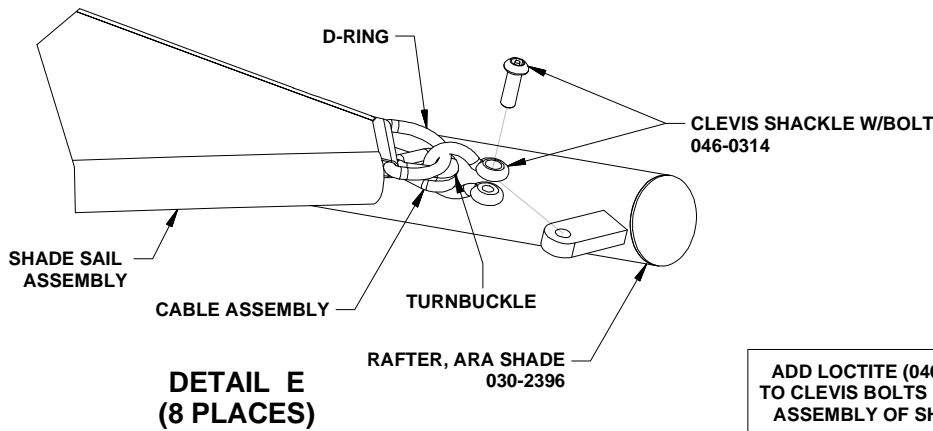
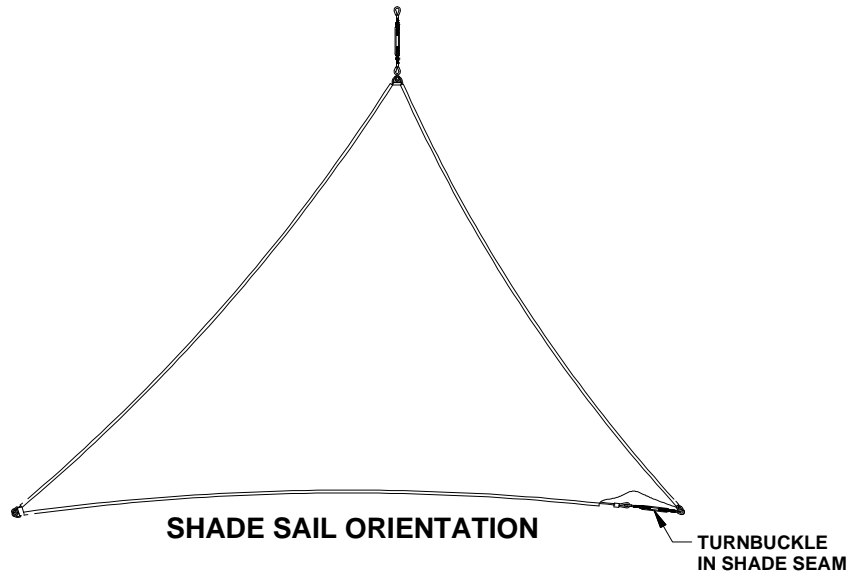


**DETAIL C
(4 PLACES)**

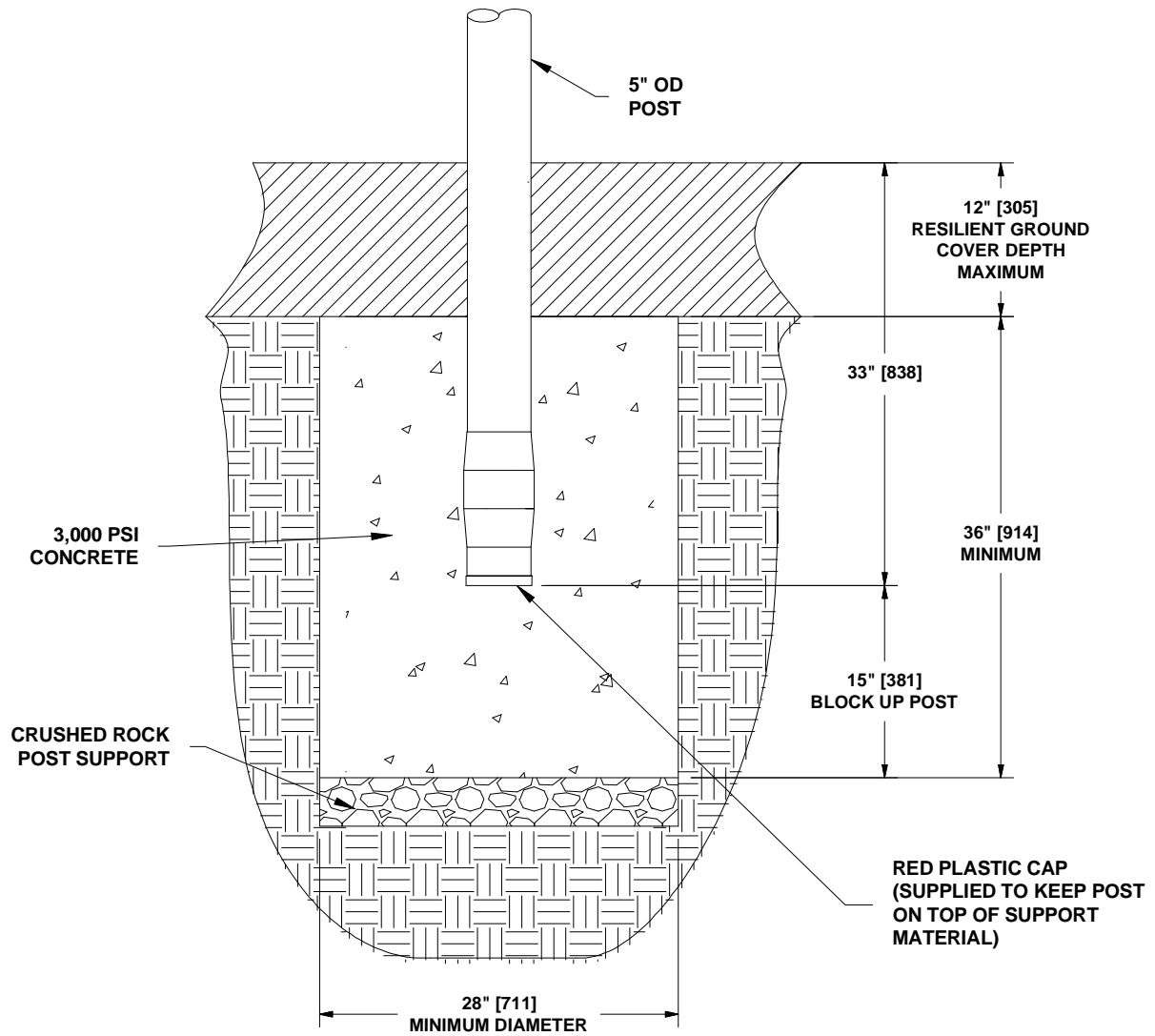


**DETAIL D
(4 PLACES)**

470-0670
ARA SQUARE SHADE CANOPY



470-0670
ARA SQUARE SHADE CANOPY



FOOTING DETAIL

470-0670
ARA SQUARE SHADE CANOPY

PARTS LIST

PART NO.	DESCRIPTION	QTY
030-2396	RAFTER, ARA SHADE	4
030-2434	SUPPORT BRACE	2
030-2437	BRACKET, 25 DEG	4
036-0788	HARDWARE PACKAGE	8
036-1440	HARDWARE PACKAGE	1
036-1556	HARDWARE PACKAGE	2
046-0291	LOCTITE	1
046-0542	ARA SQUARE SHADE TOP SAIL	2
046-0543	ARA SQUARE SHADE BOTTOM SAIL	2
046-0611	1/2" X 6" EYE-EYE TURNBUCKLE ASSEMBLY	4
049-0788	UPPER POST ASSY 5" OD X 31 3/4"	2
049-0790	UPPER POST ASSY 5" OD X 84 1/2"	2

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

RAFTER, ARA SHADE: One piece welded construction of 2.375" OD 10 GA and 2.375" OD 12 GA galvanized steel tubing, formed 7 GA stainless steel plate, 14 GA galvanized steel plate, and machined stainless steel connector. Finished with a baked on powder coating.

SUPPORT BRACE: One piece welded construction of 2.375" OD 10 GA galvanized steel tubing and formed 7 GA stainless steel plates. Finished with a baked on powder coating.

BRACKET, 25 DEG: One piece welded construction of formed 7 GA stainless steel plate and machined stainless steel connector. Finished with a baked on powder coating.

HARDWARE PACKAGE: 5/16" Shackle with a 3/8" X 1 5/32" bolt.

HARDWARE PACKAGE: Stainless steel screws & washers.

LOCTITE: Thread Locker; **CAUTION:** May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

ARA SQUARE SHADE TOP SAIL; ARA SQUARE SHADE BOTTOM SAIL: Monofilament and tape construction high density polyethylene knitted shade fabric with woven polyester webbing and vinyl reinforcements, vinyl covered galvanized cables, zinc-plated copper cable fasteners, hot galvanized dipped turnbuckle, and stainless steel dee rings. Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

1/2" X 6" EYE-EYE TURNBUCKLE ASSEMBLY: Hot dipped galvanized steel eye-eye turnbuckle assembly with split lock washers and hex nuts.

UPPER POST ASSY 5" OD X 31 3/4"; UPPER POST ASSY 5" OD X 84 1/2": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

SHIPPING WEIGHT: 383 LBS.

INSTALLATION INSTRUCTIONS

Special Note: Remove Shade Canopy before high winds, severe storms or winter weather to prevent damage to fabric or structure.

Note: Do not tighten hardware until instructed to do so.

- Place the UPPER POST ASSY 5" OD X 84 1/2" and UPPER POST ASSY 5" OD X 31 3/4" onto the 5" OD swagged posts as shown in the POST ASSEMBLY VIEW.

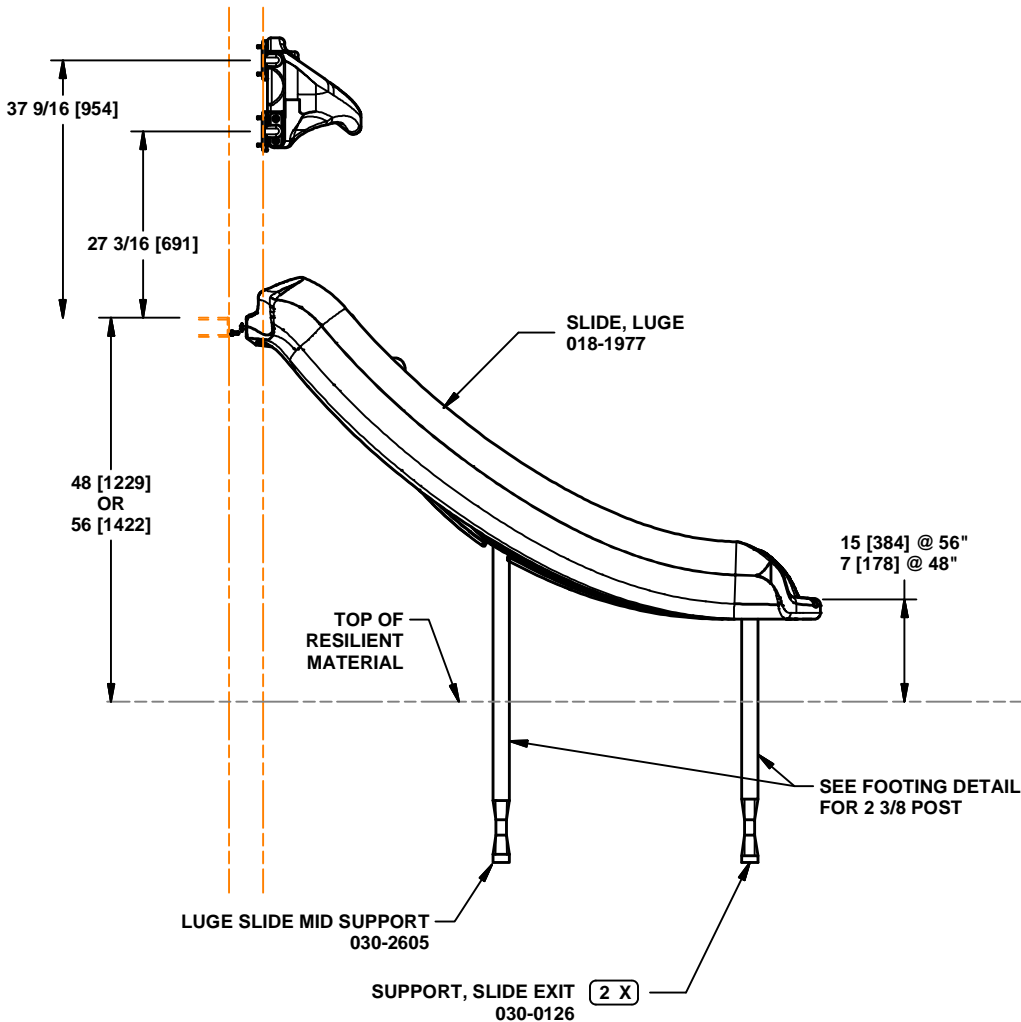
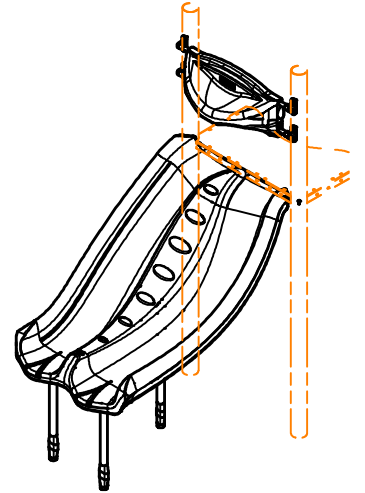
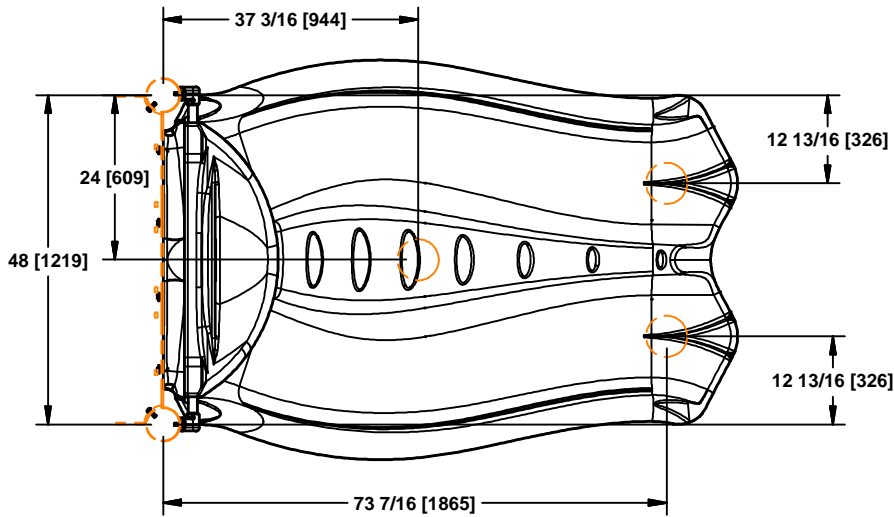
NOTE: See footing detail for structure post construction.

- Refer to dimensions shown on the TOP VIEW and square up rafters, being sure they are in line. Attach the SUPPORT BRACE to post assemblies using hardware specified in DETAIL B. Tighten all hardware.
- Attach RAFTER, ARA SHADE to upper post assy using hardware specified in DETAIL A.
- Attach Post Assemblies to posts using hardware shown in DETAIL C.
- Install all enclosures or panels between posts before installing and tightening tensile shade sails.
- Attach BRACKET, 25 DEG to posts using hardware specified in DETAIL D.
- Lay ARA SQUARE SHADE TOP SAIL and ARA SQUARE SHADE BOTTOM SAIL out and locate the turnbuckle corner to help orientate shade sail. Refer to SHADE SAIL ORIENTATION to familiarize yourself with the proper location for each shade sail. Attach dee rings and cable assemblies of shade sail bottoms to rafters using the CLEVIS SHACKLE W/BOLT as shown in DETAIL E. Tighten all hardware.

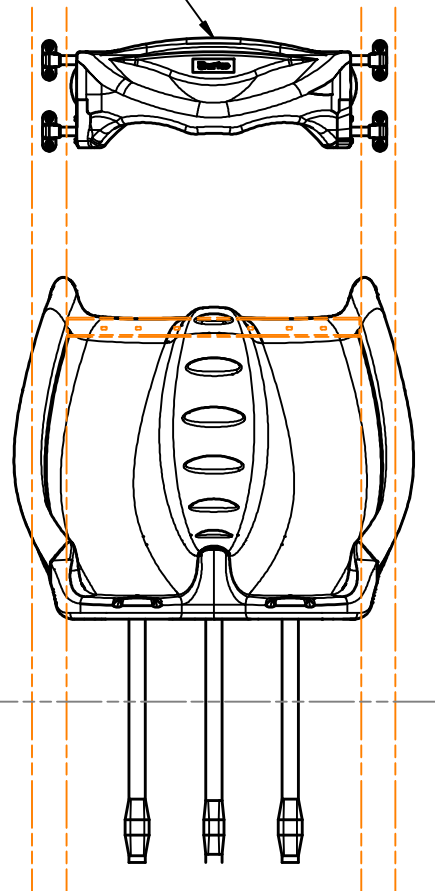
NOTE: The turnbuckle should be in between the dee ring and cable assembly when inserted in the clevis shackle.

NOTE: The turnbuckle located inside the seam of the shade sail can be adjusted using a open end wrench.

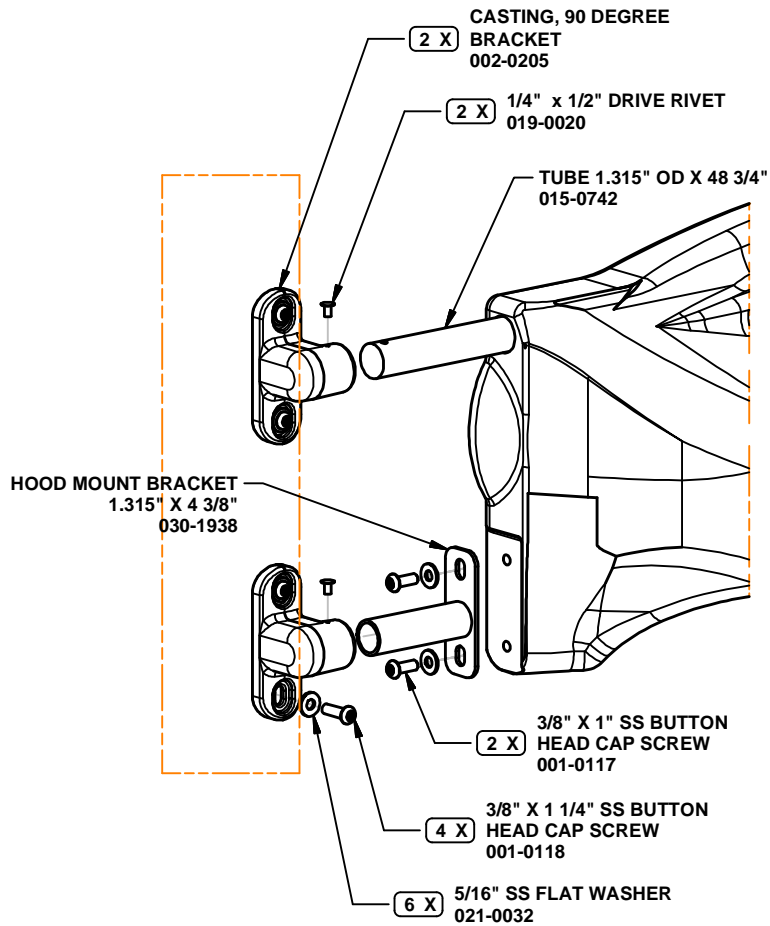
- Loosen the 1/2" X 6" EYE-EYE TURNBUCKLE ASSEMBLY until half of threads extend out of each end of the turnbuckle. Using the clevis shackle w/bolt, attach turnbuckle to appropriate corner of shade sail. See DETAIL F. **NOTE: Use loctite on clevis bolt.**
- Lift shade sail to proper BRACKET, 25 DEG and attach turnbuckle to bracket using clevis shackle w/bolt. See DETAIL G. **NOTE: Use loctite on clevis bolt.**
- If necessary, tighten turnbuckle in shade seam before tightening 1/2" x 6" turnbuckle assemblies.
- Begin tightening the shade sails by tightening turnbuckles, working back and forth on opposite shades until all shade sails are tight and shade is stretched. Secure turnbuckle assemblies by tightening the nuts on both sides of the turnbuckle eyes.



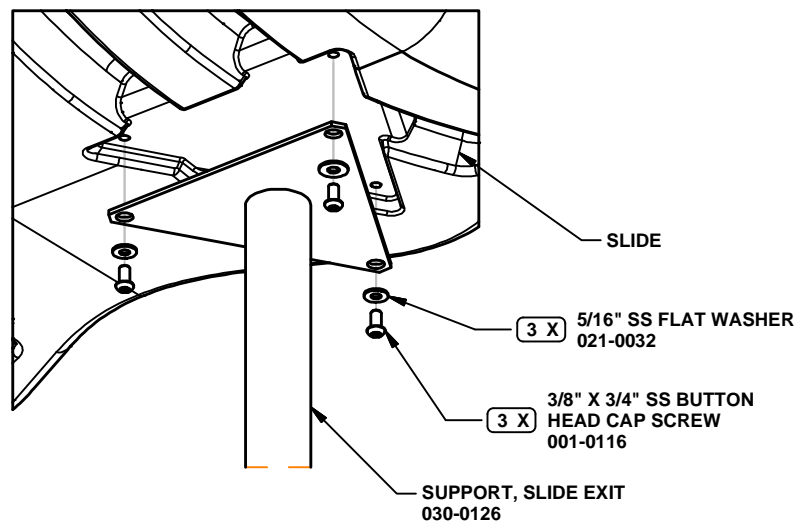
DOUBLE SLIDE HOOD
018-0649



470-0755
LUGE SLIDE, 48"-56"

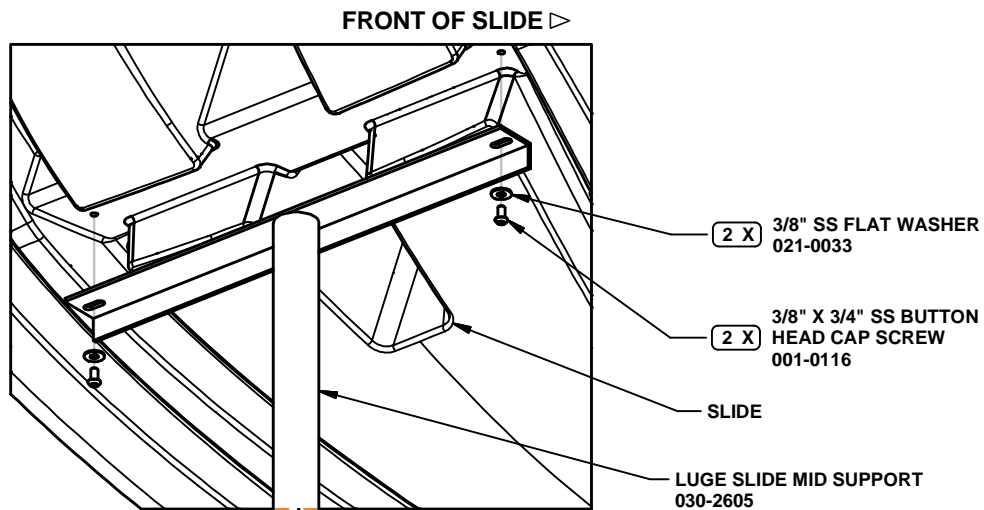


DETAIL A
(2 PLACES)

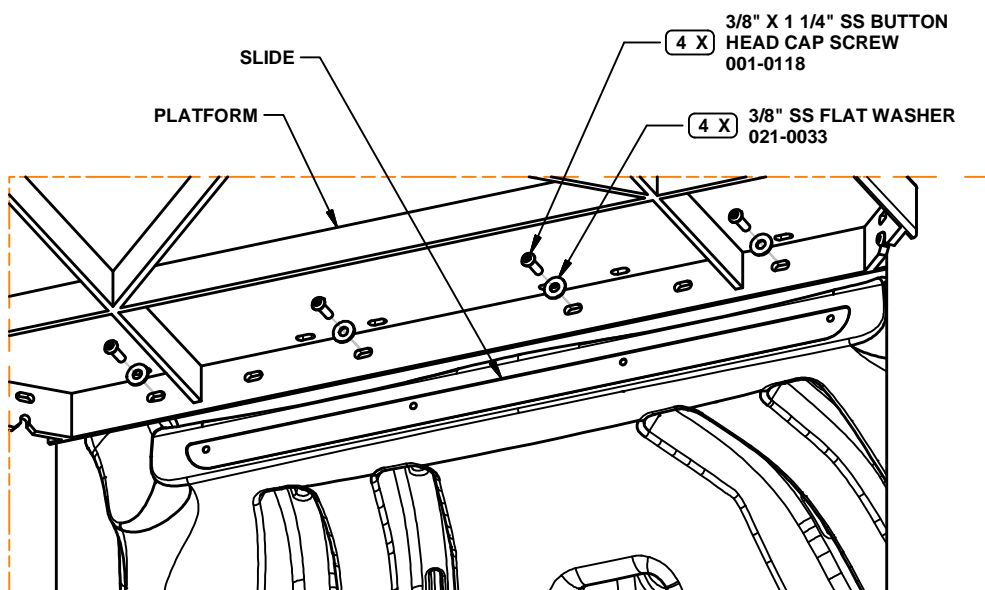


DETAIL B
(2 PLACES)

470-0755
LUGE SLIDE, 48"-56"



DETAIL C



DETAIL D

470-0755
LUGE SLIDE, 48"-56"

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0205	CASTING, 90 DEGREE BRACKET	4
015-0742	TUBE 1.315" OD X 48 3/4"	1
018-0649	DOUBLE SLIDE HOOD	1
018-1977	SLIDE, LUGE	1
030-0126	SUPPORT, SLIDE EXIT	2
030-1938	HOOD MOUNT BRACKET 1.315" X 4 3/8"	2
030-2605	LUGE SLIDE MID SUPPORT	1
036-0784	HARDWARE PACKAGE	2
036-0844	HARDWARE PACKAGE	5
036-1184	HARDWARE PACKAGE	1
036-1207	HARDWARE PACKAGE	1
036-1304	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, 90 DEGREE BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

TUBE 1.315" OD X 48 3/4": 1.315" OD X 12 GA galvanized tubing. Finished with a baked on powder coating.

DOUBLE SLIDE HOOD; SLIDE, LUGE: Double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

HOOD MOUNT BRACKET 1.315" X 4 3/8": 10 GA mounting plate welded to 1.315" OD x 12 GA galvanized steel tubing. Finished with baked on powder coat.

LUGE SLIDE MID SUPPORT: One piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 2 1/2" x 1 1/2" x 3/16" HRS angle. Finished with a baked on powder coating after fabrication.

HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

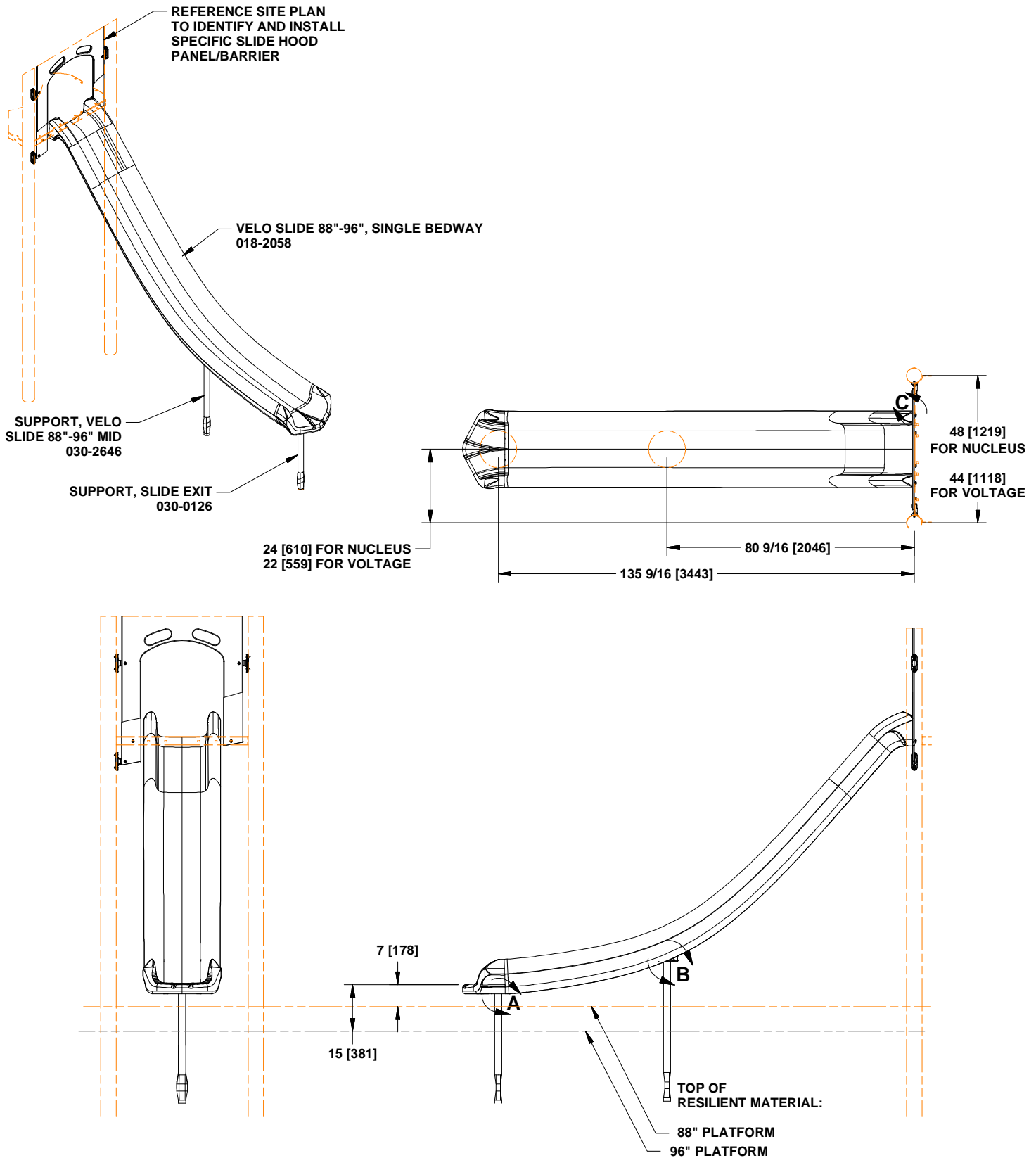
SHIPPING WEIGHT: 198 LBS.

INSTALLATION INSTRUCTIONS

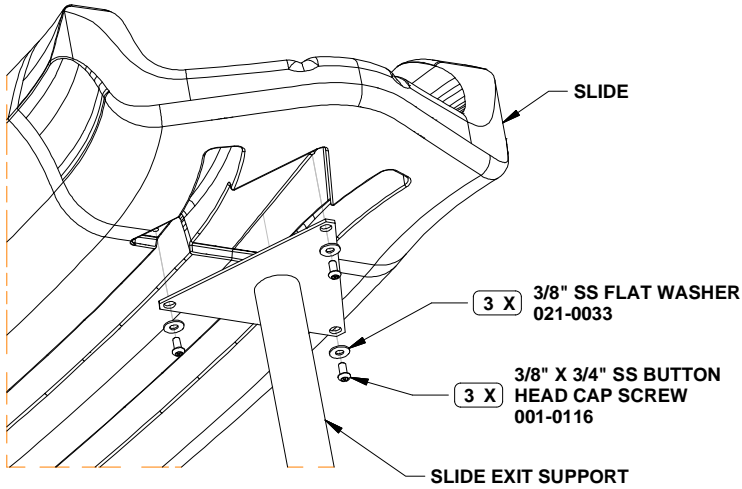
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

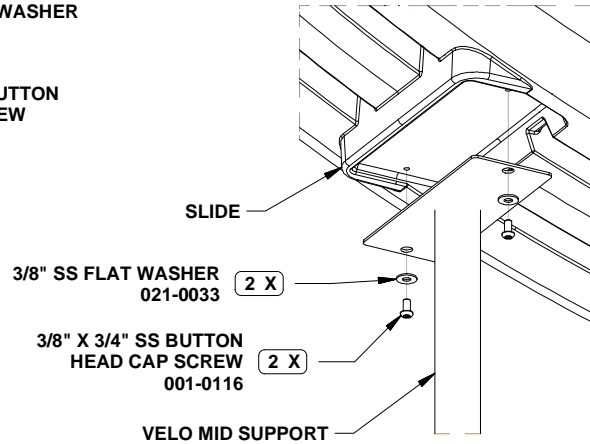
1. After platform has been installed, locate and dig footing hole as per dimensions shown. See footing detail drawing, which is located in the preface of your installation manual.
2. Attach DOUBLE SLIDE HOOD as shown in DETAIL A. Attach two BRACKET CASTINGS to post on one side. Attach both HOOD MOUNT BRACKETS to the double slide hood. Slide the TUBE 1.315" X 48 3/4" into the hole in the hood and center it. Bring the hood to one post, slide the upper tube and the mount bracket into the bracket castings attached to the post. Slide the bracket castings onto the upper tube and the lower mount bracket on the opposite side, rotate the hood into the other post and attach the bracket castings to the post. Make sure the hood is centered between the posts and tighten all hardware.
3. Drill 1/4" diameter hole through all 4 bracket castings and mounting tubes. Insert 1/4" X 1/2" drive rivet and engage drive rivet by hammering until pin is flush with head of rivet. See DETAIL A.
4. Attach SLIDE EXIT SUPPORTS to slide using hardware specified in DETAIL B. Tighten fasteners.
5. Attach LUGE SLIDE MID SUPPORT to slide using hardware specified in DETAIL C. Tighten fasteners.
6. Position slide into footing holes. Attach slide to platform using hardware specified in DETAIL D. Make sure that the slide is flush and tight to platform.
7. Tighten all hardware.
8. Block-up, level and plumb.
9. Pour concrete. Let set for two to three days.
10. Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



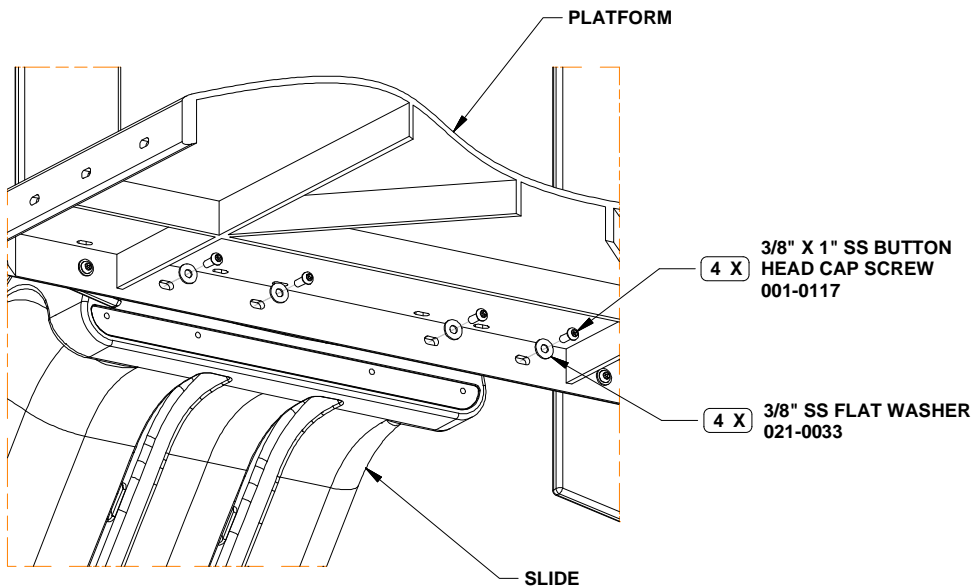
470-0758 VELO XL SLIDE, 88"-96" W/O HOOD



DETAIL A



DETAIL B



DETAIL C

470-0758 VELO XL SLIDE, 88"-96" W/O HOOD

PARTS LIST

PART NO.	DESCRIPTION	QTY
018-2058	VELO SLIDE 88"-96", SINGLE BEDWAY	1
030-0126	SUPPORT, SLIDE EXIT	1
030-2646	SUPPORT, VELO SLIDE 88"-96" MID	1
036-1393	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

VELO SLIDE 88"-96", SINGLE BEDWAY: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

SUPPORT, VELO SLIDE 88"-96" MID: One piece all welded construction consisting of 10 GA galvanized steel plate and 2 3/8" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

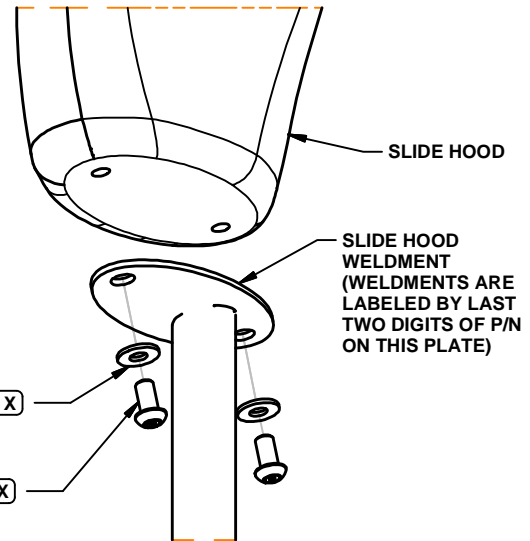
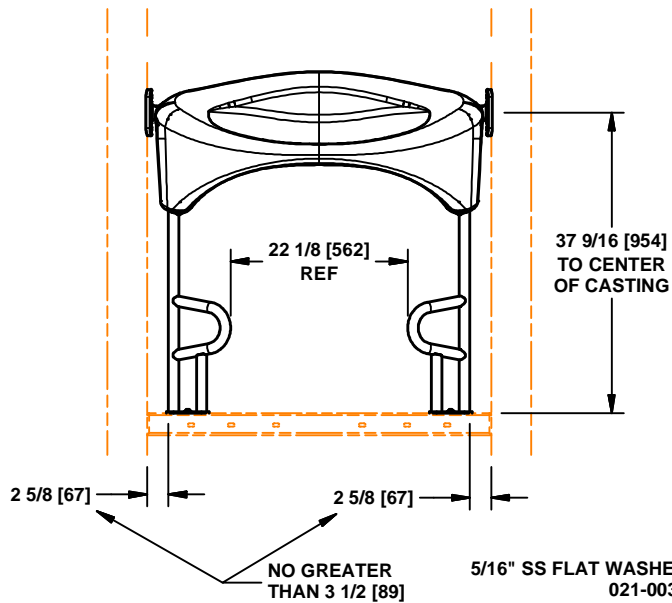
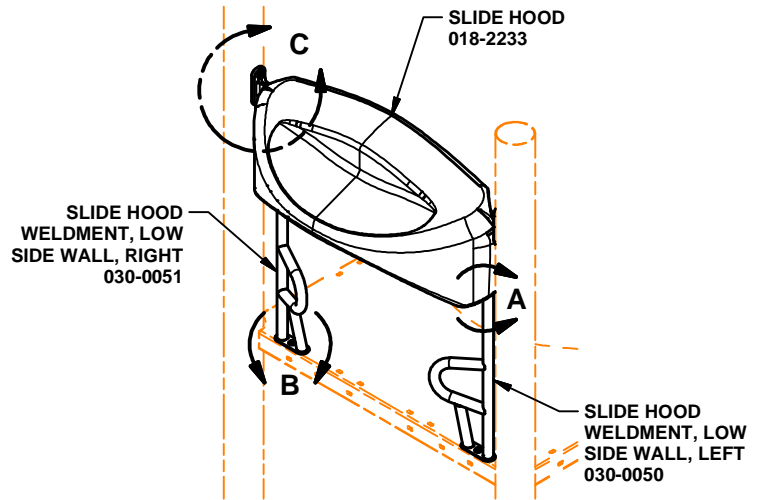
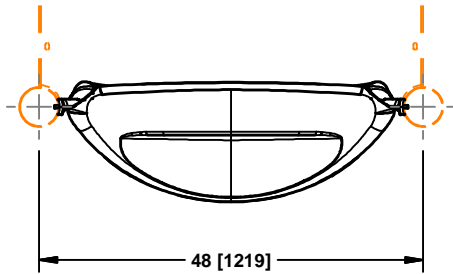
SHIPPING WEIGHT: 134 LBS.

INSTALLATION INSTRUCTIONS

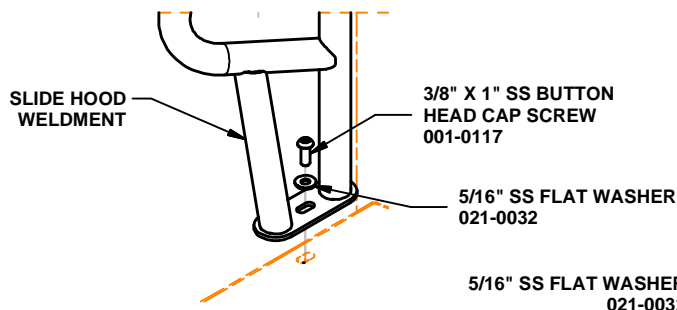
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. After platform and slide hood panel/barrier have been installed, locate and dig footing hole as per dimensions shown. See footing detail drawing, which is located in the preface of your installation manual.
2. Attach SLIDE EXIT SUPPORT to VELO SLIDE using hardware specified in DETAIL A. Tighten fasteners.
3. Attach SUPPORT, VELO SLIDE 88"-96" MID to slide using hardware specified in DETAIL B. Tighten fasteners.
4. Position slide into footing holes. Attach slide to platform using hardware specified in DETAIL C. Make sure that the slide is flush and tight to platform.
5. Tighten all hardware.
6. Block-up, level and plumb.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



**DETAIL A
(2 PLACES)**



**DETAIL B (ABOVE PLATFORM)
(2 PLACES)**

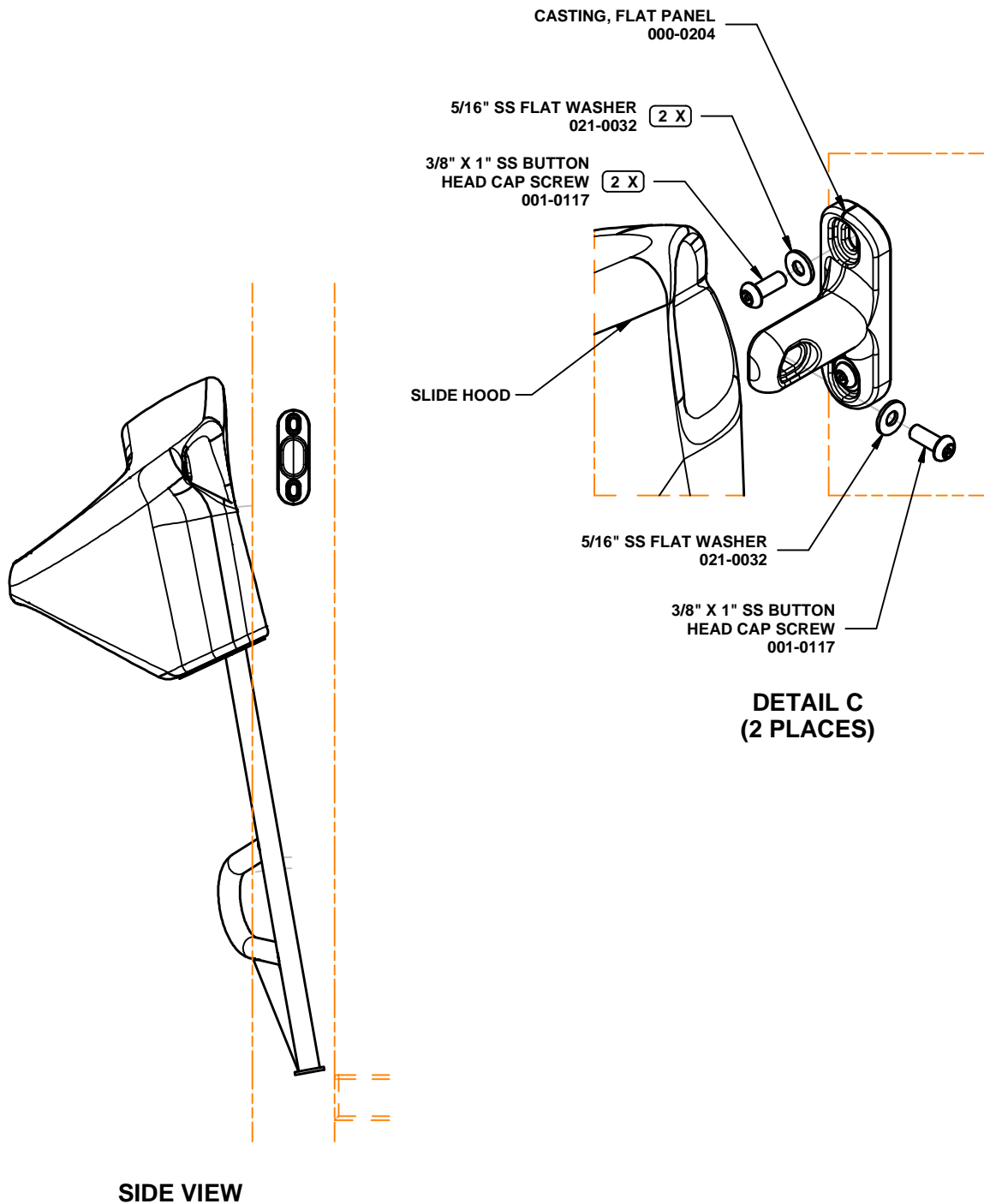
5/16" SS FLAT WASHER
021-0032

3/8" SS NUT
002-0036

**DETAIL B (BELOW PLATFORM)
(2 PLACES)**

470-0804

SLIDE HOOD, LOW SIDE WALL



470-0804 SLIDE HOOD, LOW SIDE WALL

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0204	CASTING, FLAT PANEL	2
018-2233	SLIDE HOOD	1
030-0050	SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT	1
030-0051	SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT	1
036-0040	HARDWARE PACKAGE	2
036-0784	HARDWARE PACKAGE	1
036-2006	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

SLIDE HOOD: Linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Textured outside surface.

SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT; SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and 8 GA and 10 GA galvanized steel sheeting. Finished with a baked on powder coating.

HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 31 LBS.

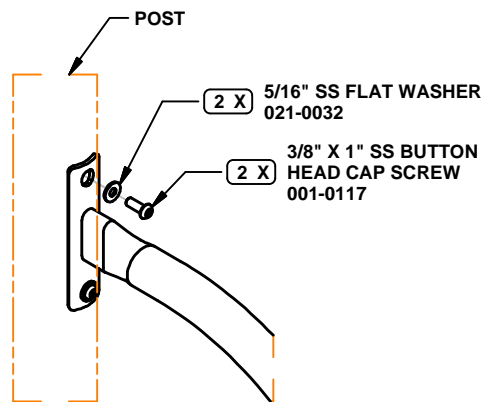
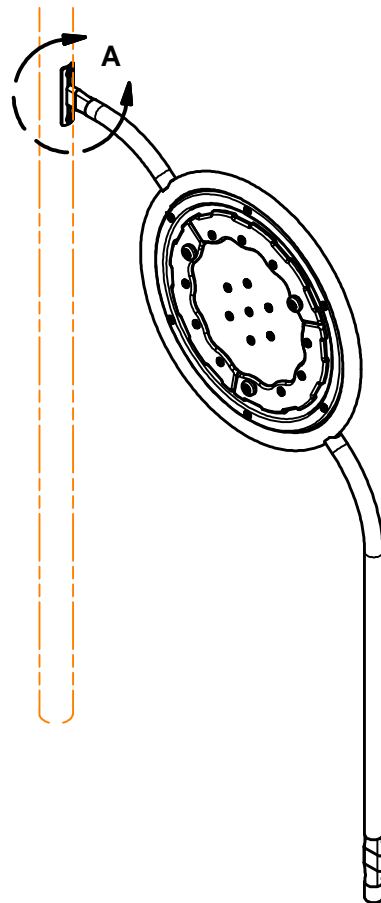
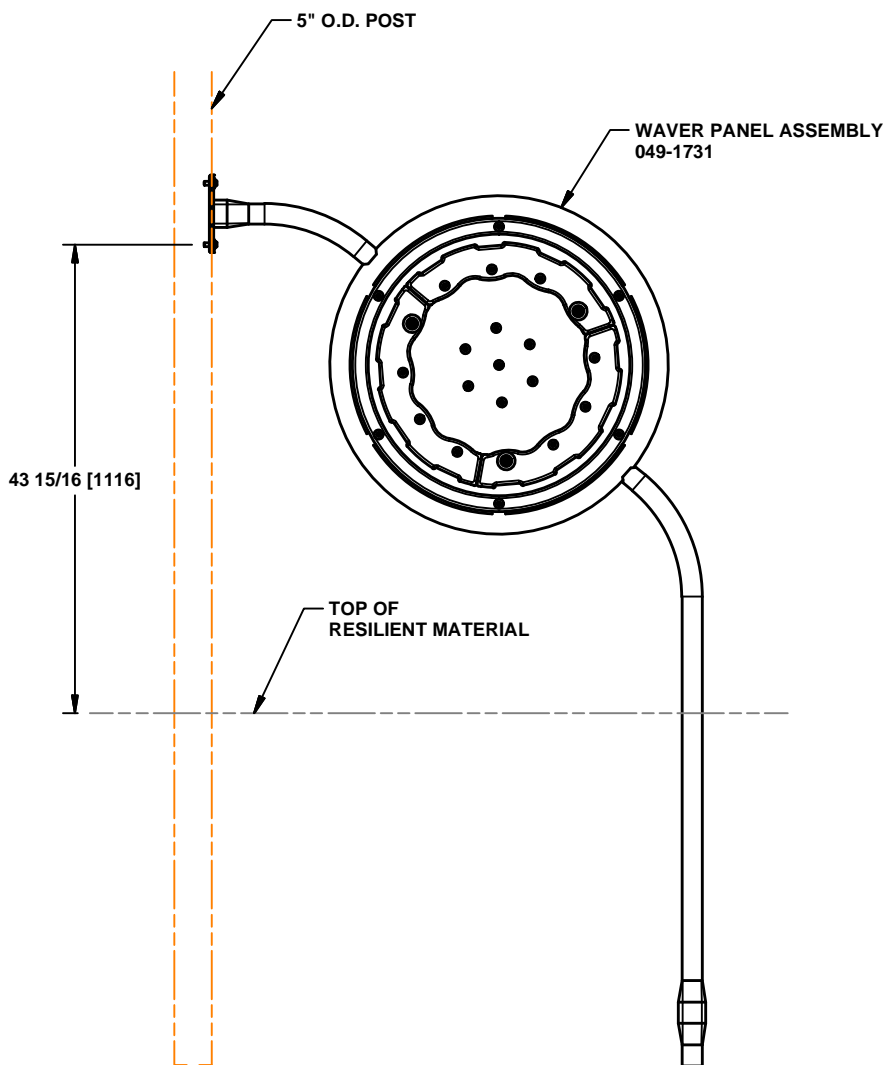
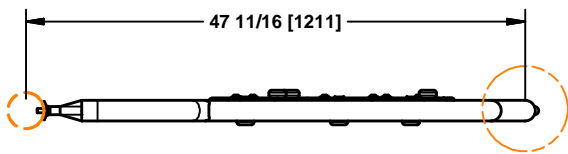
INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

1. Attach SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT and SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT to SLIDE HOOD using hardware specified in DETAIL A. Tighten hardware.
2. Loosely fasten slide hood weldment to platform using hardware specified in DETAIL B.
3. Tilt the hood assembly out of the way and attach CASTING, FLAT PANEL using hardware in DETAIL C.
4. Tilt the hood assembly into position, against the castings, and align the slot of the casting and the nut insert of the slide hood. Hold the casting in position, move the hood out of the way, and then tighten hardware connecting the casting to the post.
5. Attach the slide hood assembly to the castings using the remaining hardware in DETAIL C.
6. Tighten all hardware.



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [] BRACKETS.



DETAIL A

570-0815 WAVER RING PANEL

PARTS LIST

PART NO.	DESCRIPTION	QTY
036-0258	HARDWARE PACKAGE	1
049-1731	WAVER PANEL ASSEMBLY	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

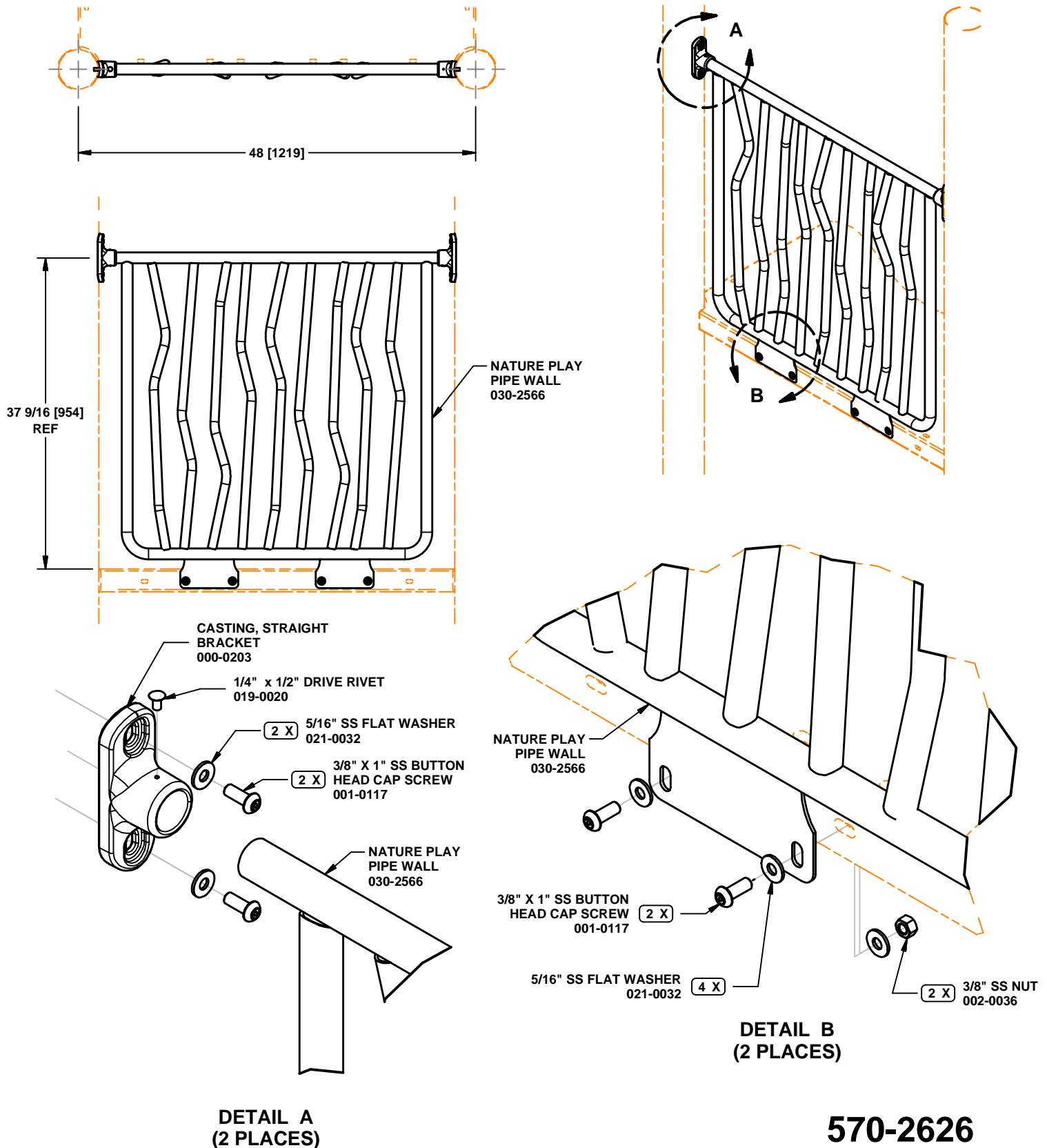
HARDWARE PACKAGE: Stainless steel.

WAVER PANEL ASSEMBLY: Assembly consisting of a ring attachment weldment finished with powdercoat, 1/4" LLDPE double wall rotationally molded panel, 1/4" clear polycarbonate window, 1/2" extruded HDPE, extruded HDPE and acetal and stainless steel balls all assembled together with stainless steel hardware.

SHIPPING WEIGHT: 62 LBS.

INSTALLATION INSTRUCTIONS

1. Locate and dig footing hole as per dimensions shown. See typical concrete footing drawing for 1.900" O.D. post, which is located in the preface of your installation manual.
2. Locate mounting holes for attachment on 5" O.D. posts and attach WAVER PANEL ASSEMBLY to posts using hardware specified in DETAIL A.
3. Tighten all hardware.
4. **INSTALL RESILIENT SURFACING MATERIAL IN ACCORDANCE TO INSTALLATION GUIDELINES.**



PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-2566	NATURE PLAY PIPE WALL	1
036-0258	HARDWARE PACKAGE	4
036-0806	HARDWARE PACKAGE	1
036-0819	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

NATURE PLAY PIPE WALL: One piece all welded construction consisting of 1.315" OD galvanized tubing, 12 GA galvanized plating, and 1.029" OD galvanized tubing. Finished with baked on powder coat.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: Aluminum Rivets

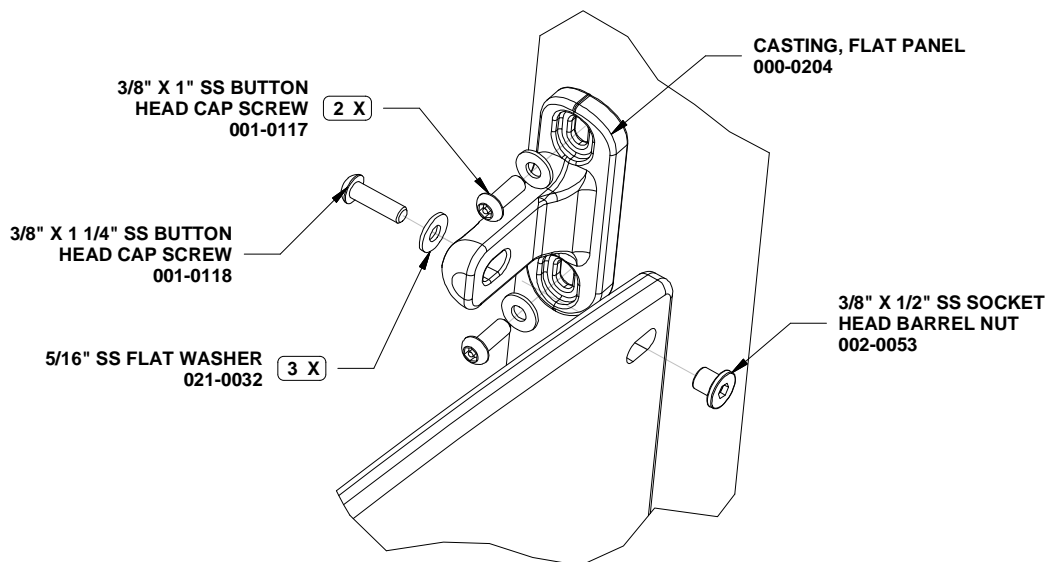
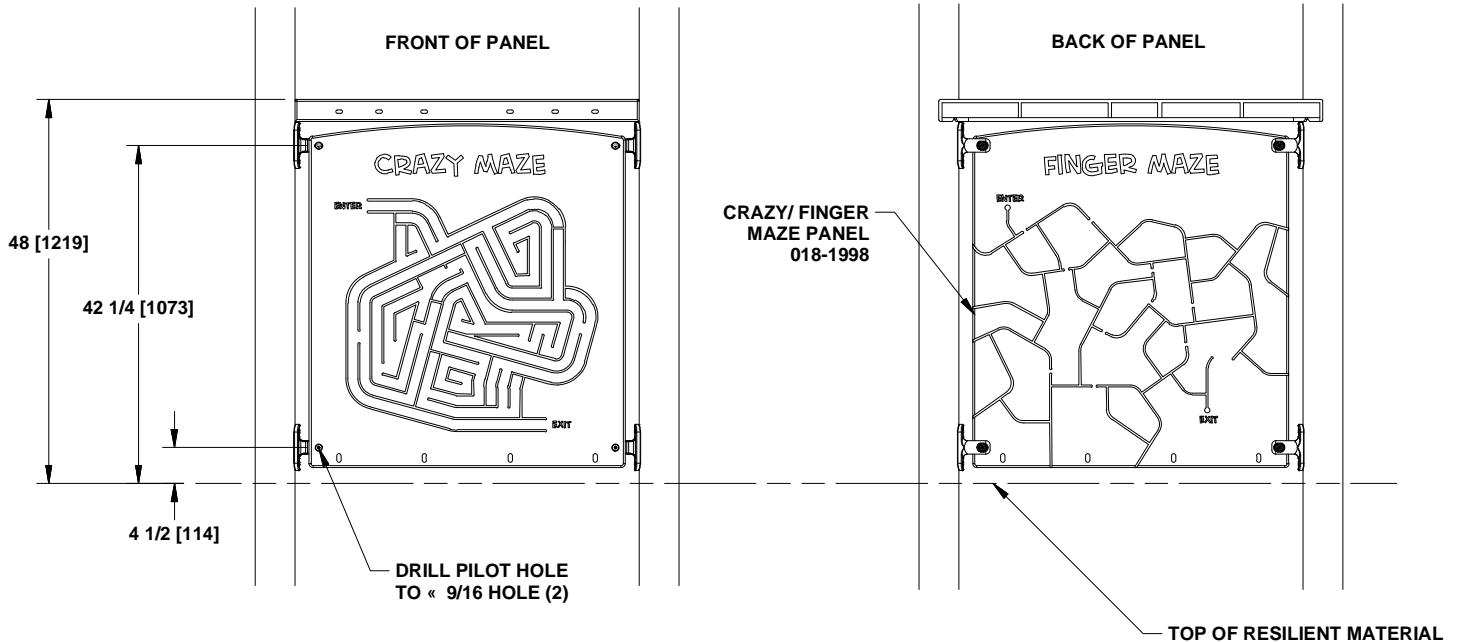
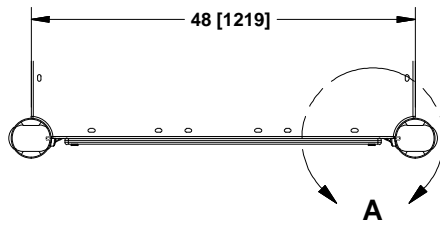
SHIPPING WEIGHT: 38.4 LBS.

INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes on platform before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. Slide CASTING, STRAIGHT BRACKETS onto tube on NATURE PLAY PIPE WALL.
2. Attach brackets with pipe wall to 5" OD post using hardware as specified in DETAIL A
3. Attach bottom of pipe wall to platform using hardware as specified in DETAIL B.
4. Drill 1/4" diameter holes through pilot hole, into pipe wall and through mounting bracket. See DETAIL A.
5. Drive rivets flush with brackets and pipe wall.
6. Tighten all hardware.



DETAIL A (4 PLACES)

570-2661 CRAZY MAZE 2-SIDED PLAY PANEL, BELOW PLATFORM

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0204	CASTING, FLAT PANEL	4
018-1998	CRAZY/ FINGER MAZE PANEL	1
036-1233	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

CRAZY/ FINGER MAZE PANEL: 3/4" co-extruded HDPE.

HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 46 LBS.

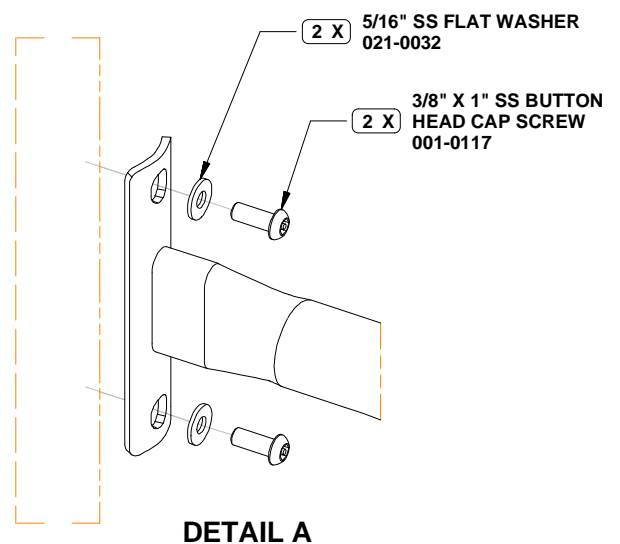
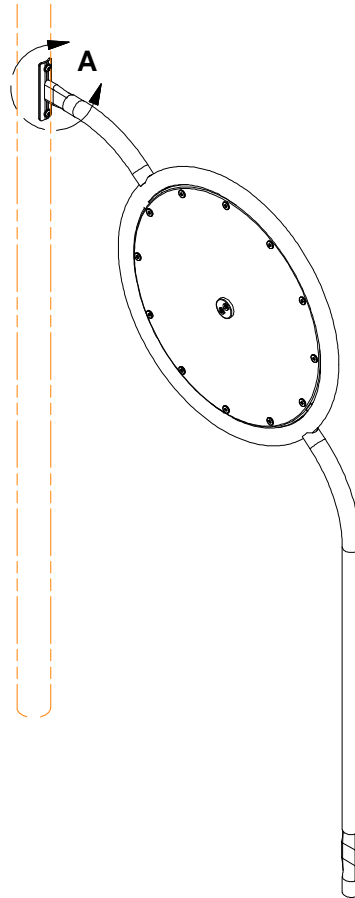
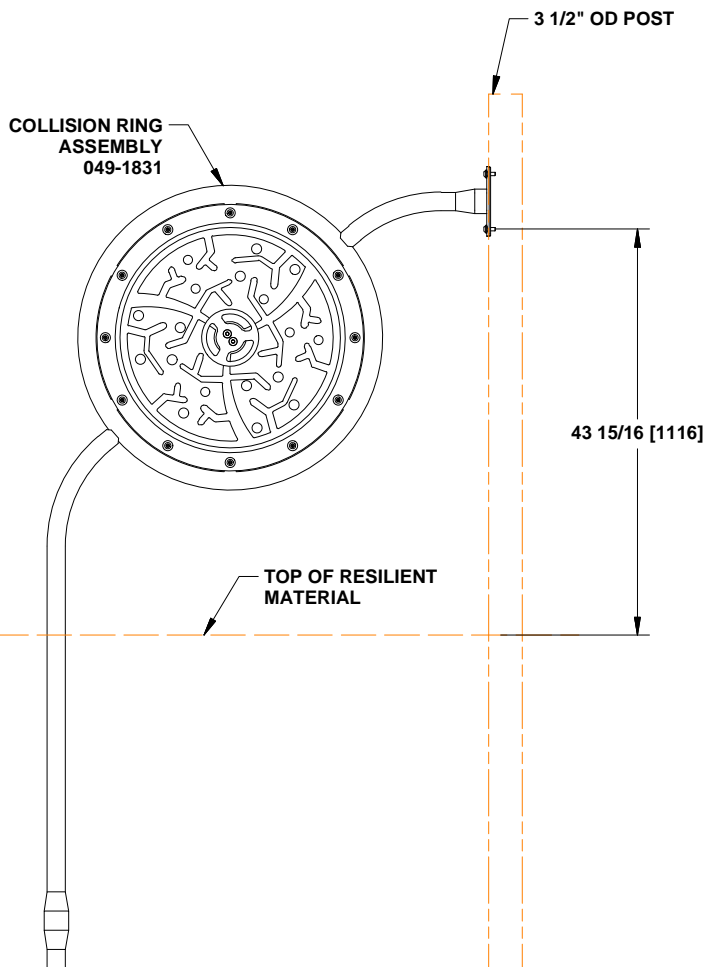
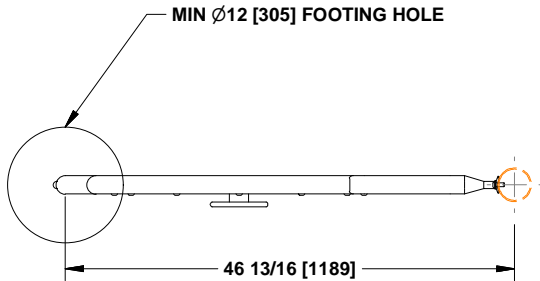
INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. Determine location of Panel assembly.
2. Attach FLAT PANEL CASTINGS to posts using 3/8" X 1" SS button head cap screws and 5/16" SS flat washers. See DETAIL A.
3. Drill lower pilot holes in PANEL to 9/16" diameter for attachment.
4. Attach Panel to FLAT PANEL CASTINGS using 3/8" X 1 1/4" SS button head cap screws, 5/16" SS flat washer and 3/8" SS socket head barrel nuts. See DETAIL A.
5. Level panel assembly and tighten all hardware.
6. **Install resilient material accordance to installation guidelines, ASTM standards and CPSC guidelines.**

NOTE: SEE CONCRETE FOOTING DRAWING FOR 1.900" OD TUBING, WHICH IS LOCATED IN THE PREFACE OF YOUR INSTALLATION MANUAL.



570-2703 COLLISION RING PANEL

PARTS LIST

PART NO.	DESCRIPTION	QTY
036-0258	HARDWARE PACKAGE	1
049-1831	COLLISION RING ASSEMBLY	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

HARDWARE PACKAGE: Stainless steel.

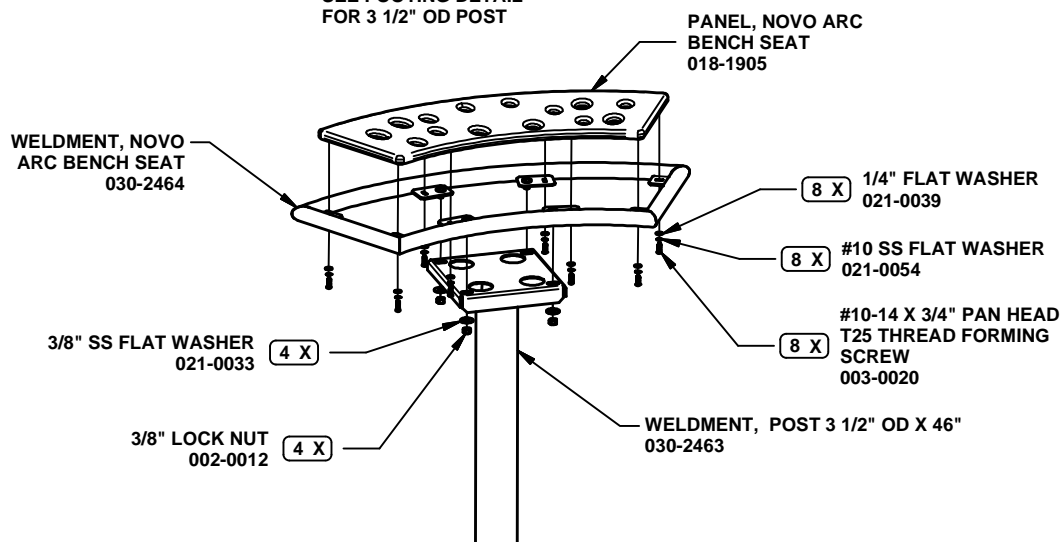
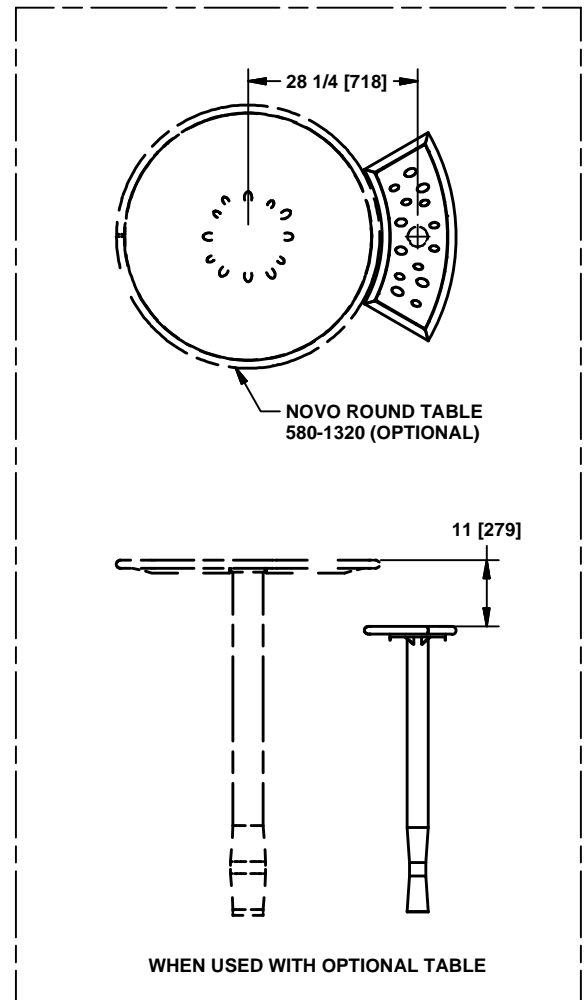
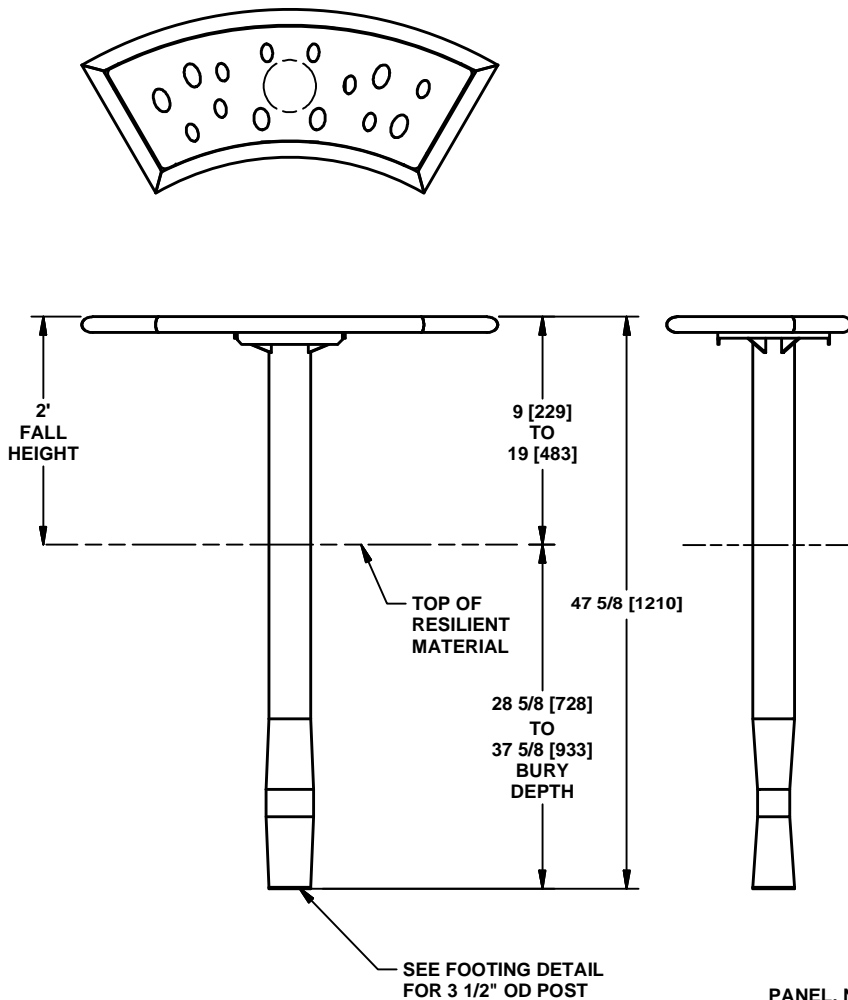
COLLISION RING ASSEMBLY: Assembly consisting of 1/4" clear polycarbonate window, 1/4", 1/2" and 3/4" extruded HDPE, co-extruded HDPE all assembled together with stainless steel hardware.

SHIPPING WEIGHT: 48 LBS.

INSTALLATION INSTRUCTIONS

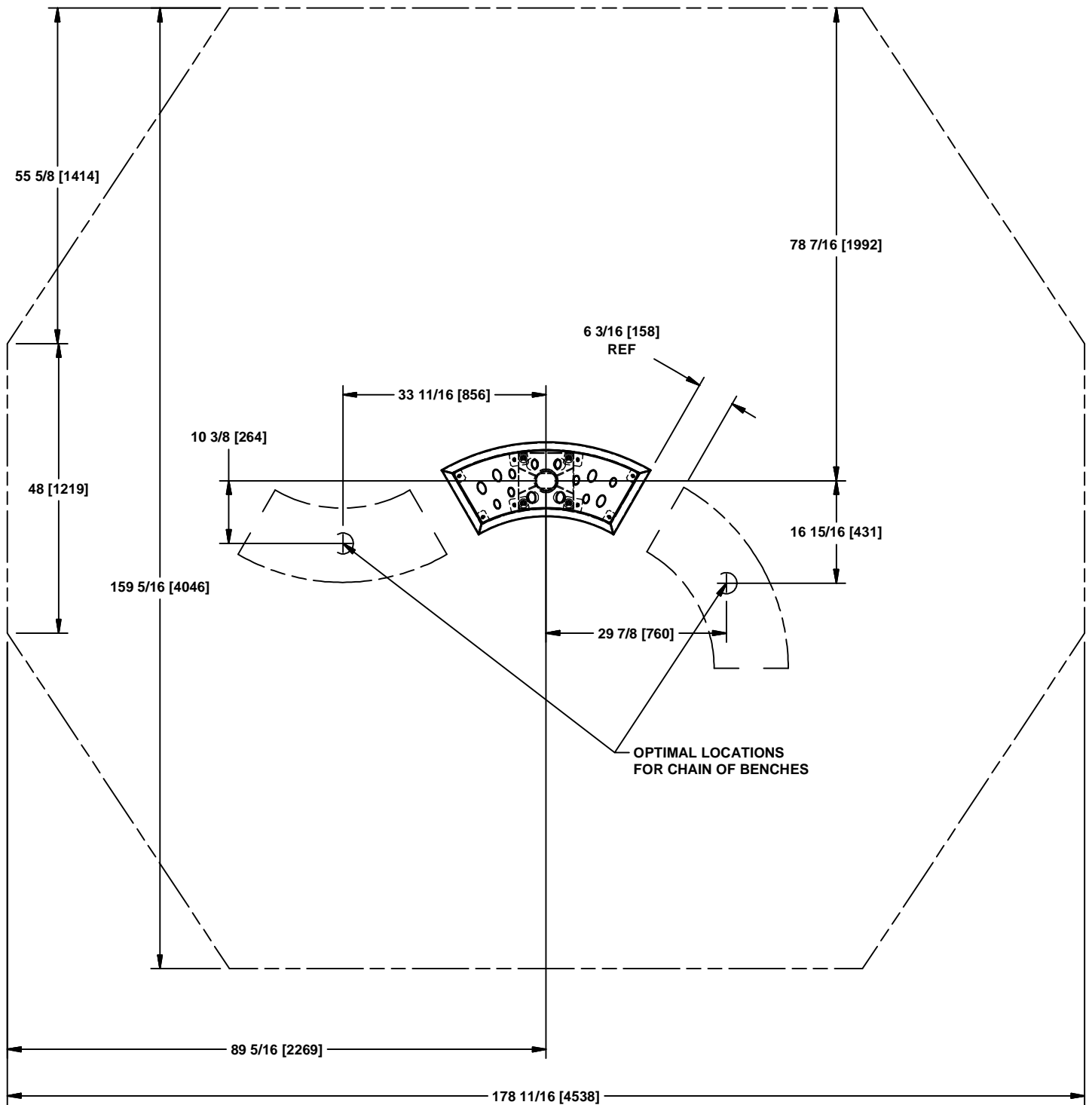
NOTE: Do not tighten hardware until instructed to do so.

1. Locate and dig footing hole per dimensions shown. See typical concrete footing drawing for 1.900" OD post, which is located in the preface of your installation manual.
2. Locate mounting holes for attachment on 3 1/2" OD POST and attach COLLISION RING ASSEMBLY to post using hardware specified in DETAIL A. Tighten all hardware.
3. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



SEAT ATTACHMENT VIEW

580-1312
NOVO ARC BENCH



FALL ZONE VIEW

580-1312
NOVO ARC BENCH

PARTS LIST

[illegible]

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

PANEL, NOVO ARC BENCH SEAT: 3/4" Extruded HDPE

WELDMENT, POST 3 1/2" OD X 46 13/16": One piece all welded construction consisting of 3 1/2" OD x 8 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

WELDMENT, NOVO ARC BENCH SEAT: One piece all welded construction consisting of 1.315" OD x 14 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

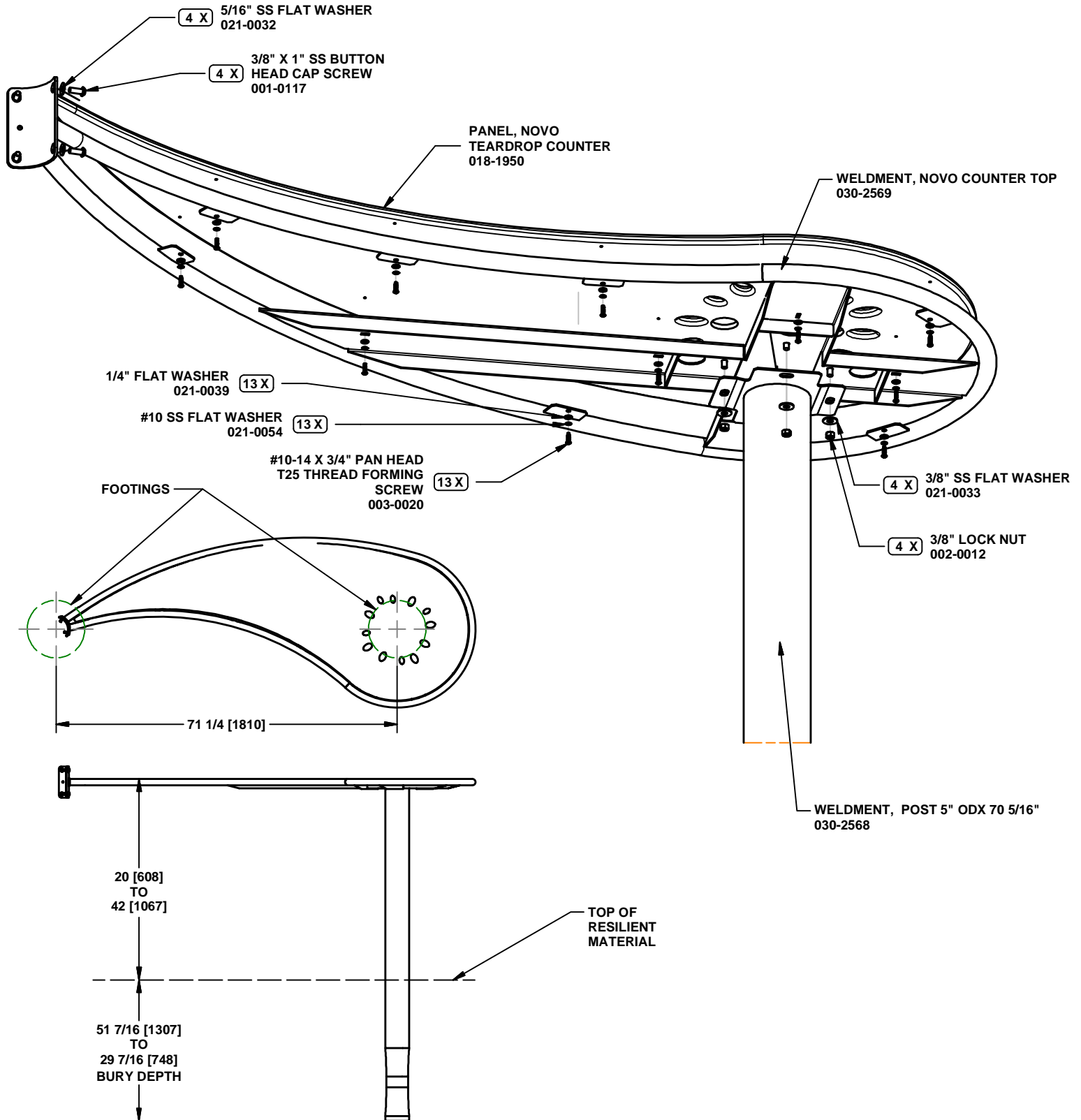
HARDWARE PACKAGE: Stainless Steel and Zinc-Plated Steel.

SHIPPING WEIGHT: 42 LBS.

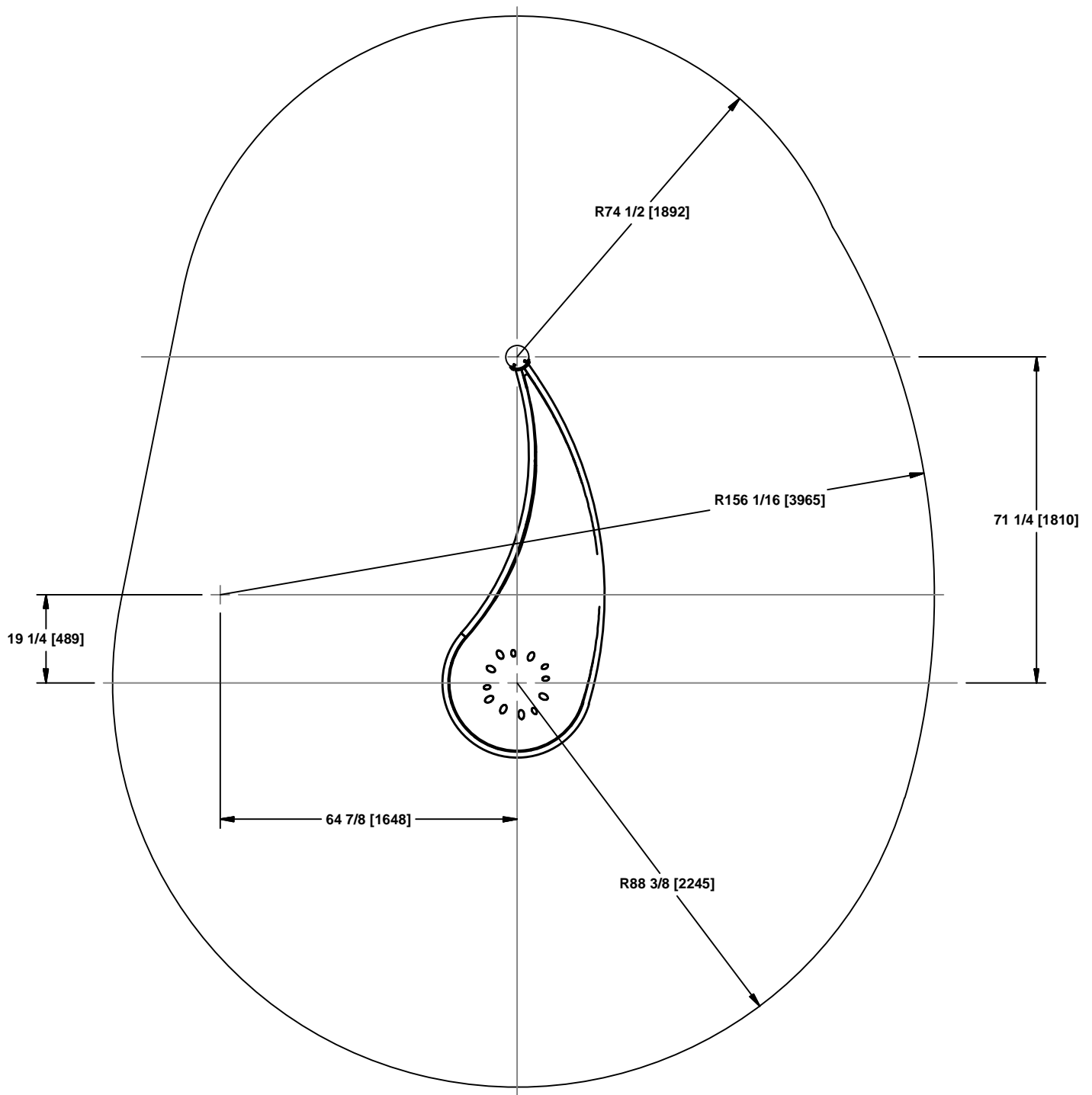
INSTALLATION INSTRUCTIONS

Note: Do not tighten hardware until assembly is complete.

1. Locate and dig footing hole as per dimensions shown. See typical concrete footing details, which are located in the preface of your installation manual.
2. Attach the WELDMENT, NOVO ARC BENCH SEAT to the PANEL, NOVO ARC BENCH SEAT using the hardware specified in SEAT ATTACHMENT VIEW.
3. Attach the WELDMENT, NOVO ARC BENCH SEAT to WELDMENT, POST 3 1/2" OD X 46 13/16" using the hardware specified in SEAT ATTACHMENT VIEW.
4. Tighten all hardware.
5. Block-up, plumb and level unit.
6. Pour concrete. Allow concrete to set for 2-3 days.
7. **If installed in a play area within the use zone of play equipment, then install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**



580-1319 NOVO TEARDROP COUNTER CLIMBER



FALL ZONE

580-1319 NOVO TEARDROP COUNTER CLIMBER

PARTS LIST

[illegible]

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

PANEL, NOVO TEARDROP COUNTER: 3/4" Extruded HDPE

WELDMENT, POST 5" OD X 70 5/16": One piece all welded construction consisting of 5" OD x 11 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

WELDMENT, NOVO COUNTER TOP: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless Steel and Zinc-Plated Steel.

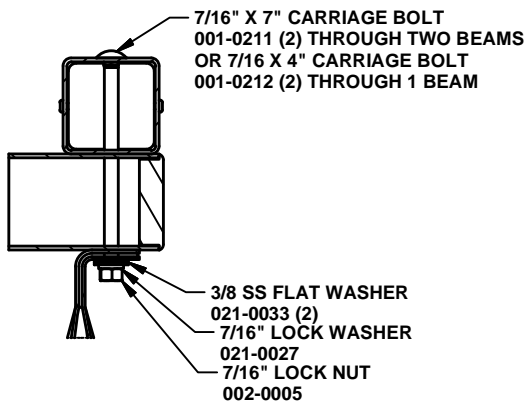
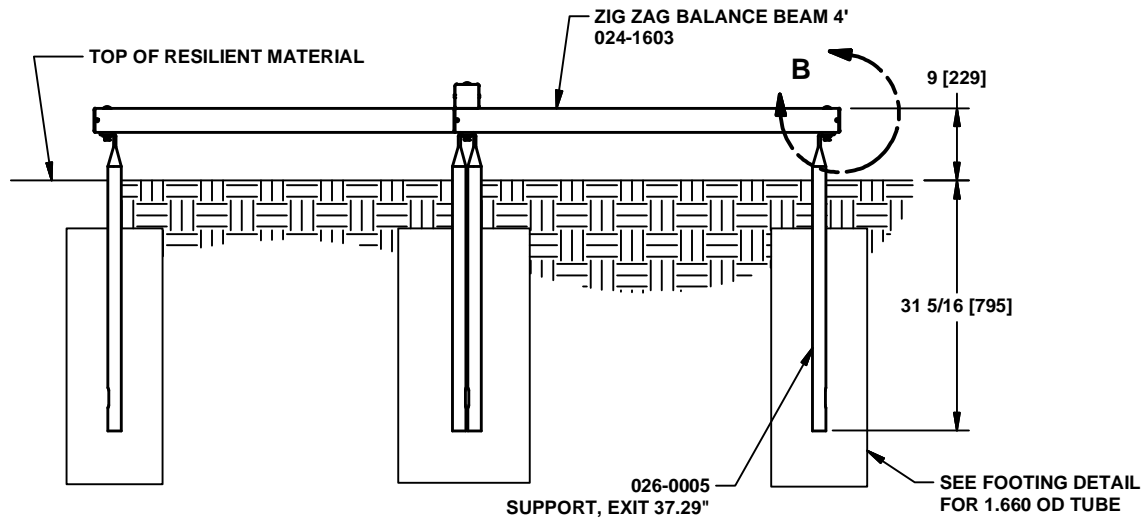
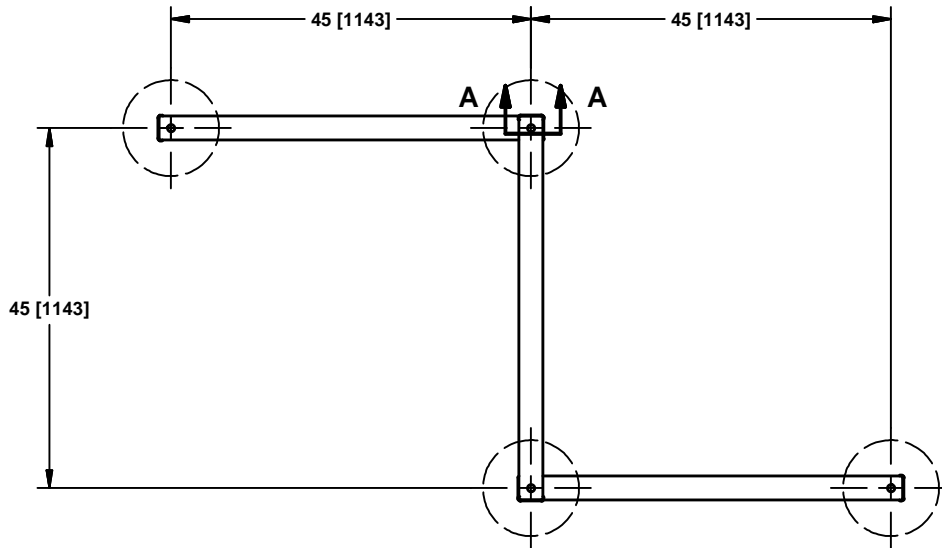
SHIPPING WEIGHT: 123 LBS.

INSTALLATION INSTRUCTIONS

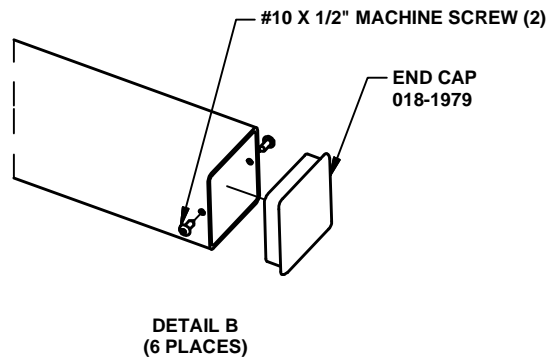
Note: Do not tighten hardware until assembly is complete.

1. Locate and dig footing holes as per dimensions shown. See typical concrete footing details, which are located in the preface of your installation manual.
2. Attach the WELDMENT, NOVO TEARDROP COUNTER to the PANEL, NOVO TEARDROP COUNTER using the hardware specified in TABLE VIEW.
3. Attach the WELDMENT, NOVO COUNTER TOP to WELDMENT, POST 5" ODX 70 5/16" using the hardware specified in TABLE VIEW.
4. Tighten all hardware.
5. Block-up, plumb and level unit in proper footing locations.
6. Pour concrete. Allow concrete to set for 2-3 days.
- 7. If installed in a play area within the use zone of play equipment, then install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**

580-1319 NOVO TEARDROP COUNTER CLIMBER
REV: 02 PCN: 17-0377 12/8/2017



SECTION A-A
(4 PLACES)



DETAIL B
(6 PLACES)

590-0393 Z BALANCE BEAM

SPECIFICATIONS

SUPPORT, EXIT, 37.29": 1.660" OD x 13 GA galvanized steel tubing finished with a baked on powder coating.

ZIG ZAG BALANCE BEAM 4': Three piece all welded construction consisting of 3" SQ x 11 GA galvanized steel tubing, and 14 GA galvanized steel plate. Finished with a baked on powder coating.

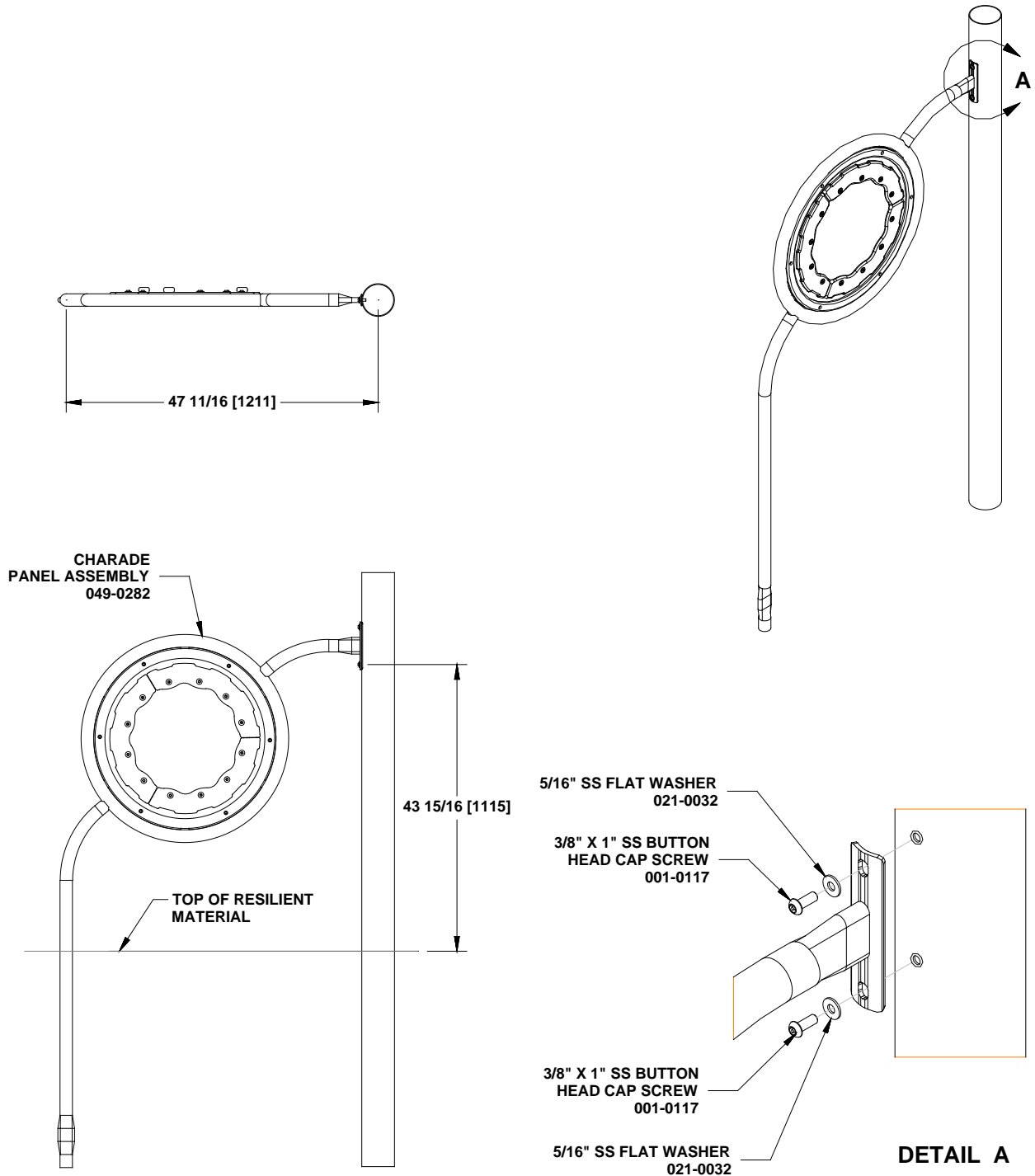
END CAP: Extruded HDPE

SHIPPING WEIGHT: 80 LBS.

1. Dig footing holes per dimension shown. See concrete footing details located in the preface of your installation manual.
2. assemble 4' ZIG ZAG BALANCE BEAM sections and SUPPORT EXITS together using 7/16" X 7" carriage bolts, 7/16" X 4" carriage bolts, 7/16" lock washers, 3/8" flat washers and 7/16" lock nuts.
3. Insert end cap into ends of beam and attach with #10 X 1/2" machine screw
4. Position assembled unit into footing holes.
5. Block-up, level and plumb.
6. Tighten all hardware.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [] BRACKETS.



570-0687 CHARADE RING PANEL

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
036-0258	HARDWARE PACKAGE	1
049-0282	CHARADE PANEL ASSEMBLY	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

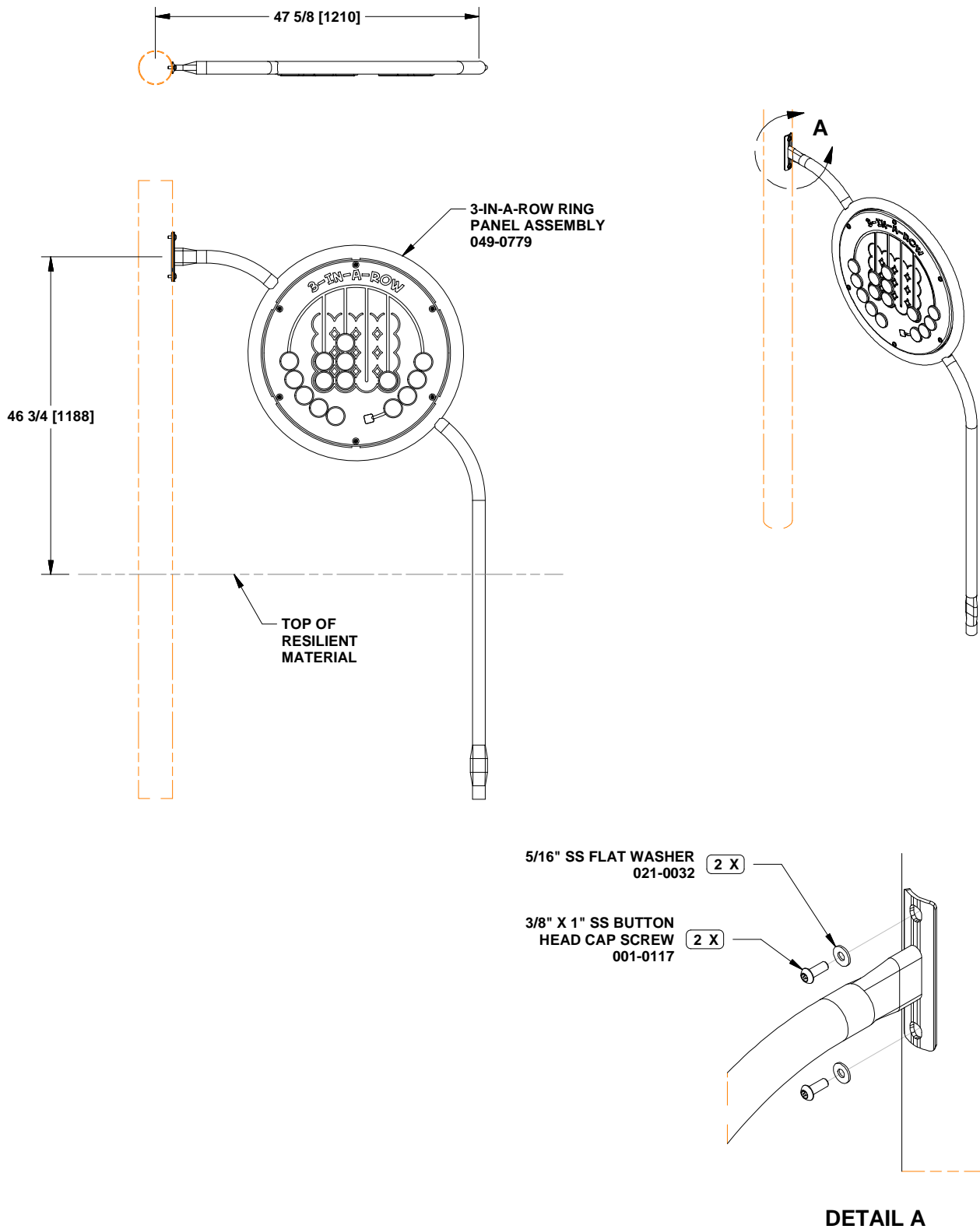
HARDWARE PACKAGE: Stainless steel.

CHARADE PANEL ASSEMBLY: Assembly consisting of a ring attachment weldment finished with powdercoat, 1/4" LLDPE double wall rotationally molded panel, 1/4" clear polycarbonate window, 1/2" extruded HDPE, extruded HDPE and acetal and stainless steel balls all assembled together with stainless steel hardware.

SHIPPING WEIGHT: 61 LBS.

INSTALLATION INSTRUCTIONS

1. Locate and dig footing hole as per dimensions shown. See typical concrete footing drawing for 1.900" O.D. post, which is located in the preface of your installation manual.
2. Locate mounting holes for attachment on 5" O.D. posts and attach CHARADE PANEL ASSEMBLY to posts using hardware specified in DETAIL A.
3. Tighten all hardware.
4. **INSTALL RESILIENT SURFACING MATERIAL IN ACCORDANCE TO INSTALLATION GUIDELINES.**



570-0860 3-IN-A-ROW RING PANEL

PARTS LIST

PART NO.	DESCRIPTION	QTY
036-0258	HARDWARE PACKAGE	1
049-0779	3-IN-A-ROW RING PANEL ASSEMBLY	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

HARDWARE PACKAGE: Stainless Steel.

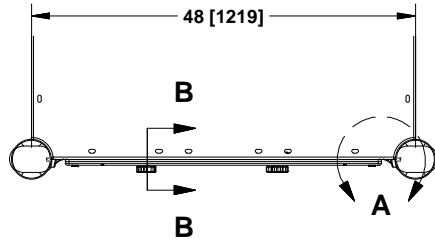
3-IN-A-ROW RING PANEL ASSEMBLY: Assembly consisting of a ring attachment weldment finished with powdercoat, 1/2" and 3/4" extruded HDPE and stainless steel hardware fasteners.

SHIPPING WEIGHT: 54 LBS.

INSTALLATION INSTRUCTIONS

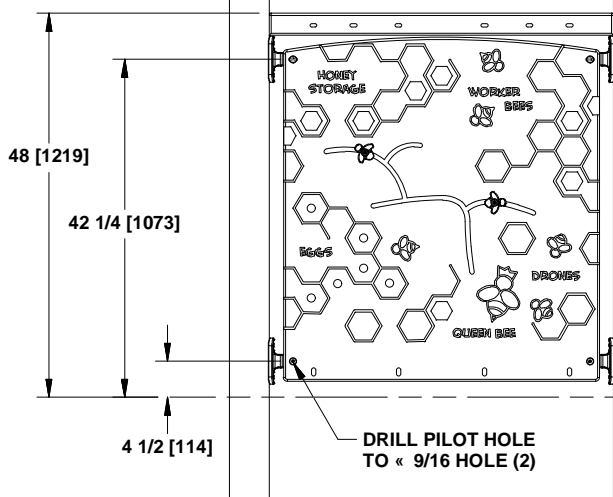
NOTE: Specific hardware used for assembly is shown in the Detail views.

1. Locate and dig footing hole as per dimensions shown. See typical concrete footing drawing for 1.900" O.D. post, which is located in the preface of your installation manual.
2. Locate mounting holes for attachment on 5" O.D. posts and attach 3-IN-A-ROW RING PANEL ASSEMBLY to posts using hardware specified in DETAIL A.
3. Tighten all hardware.
4. **INSTALL RESILIENT SURFACING MATERIAL IN ACCORDANCE TO INSTALLATION GUIDELINES.**

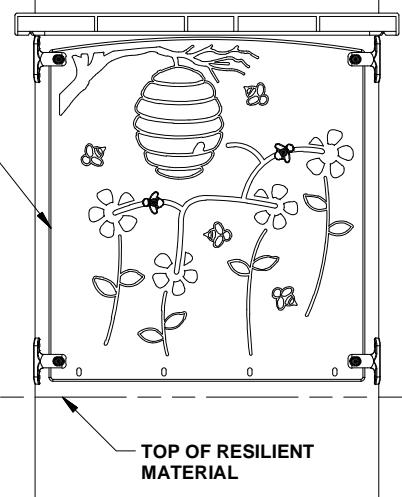


FRONT OF PANEL

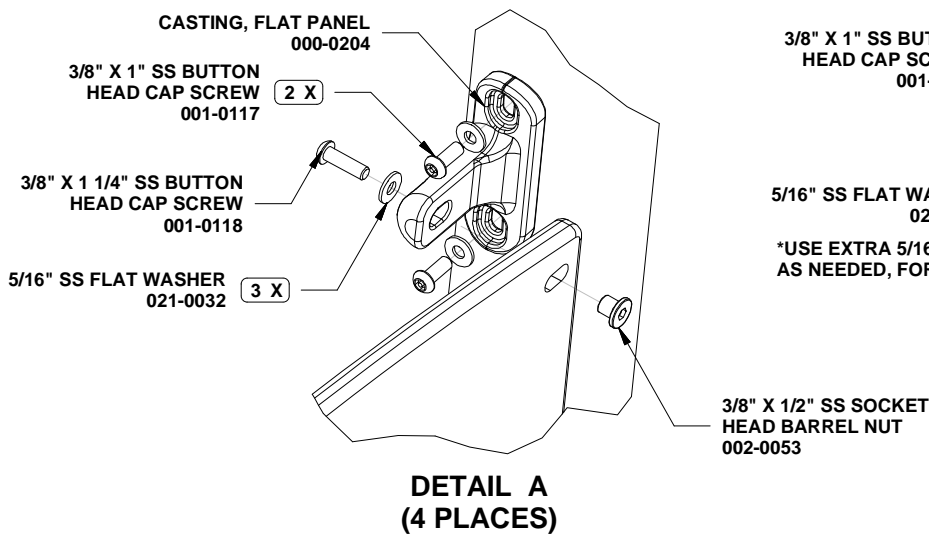
BACK OF PANEL



BEE PANEL
018-2002



TOP OF RESILIENT
MATERIAL

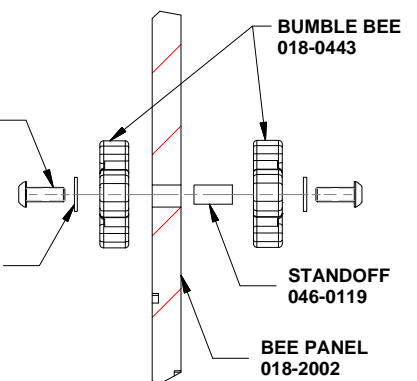


3/8" X 1" SS BUTTON
HEAD CAP SCREW
001-0117 (2 X)

5/16" SS FLAT WASHER
021-0032 (2 X)

*USE EXTRA 5/16" WASHERS,
AS NEEDED, FOR SECURE FIT.

3/8" X 1/2" SS SOCKET
HEAD BARREL NUT
002-0053



SECTION B-B
(2 PLACES)

570-2663

BEE PANEL, BELOW PLATFORM

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0204	CASTING, FLAT PANEL	4
018-0443	BUMBLE BEE	4
018-2002	BEE PANEL	1
036-0258	HARDWARE PACKAGE	2
036-0784	HARDWARE PACKAGE	1
036-1233	HARDWARE PACKAGE	1
046-0119	STANDOFF	2

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

BUMBLE BEE; BEE PANEL: 3/4" co-extruded HDPE.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

STANDOFF: 1/2" OD threaded stainless steel tubing.

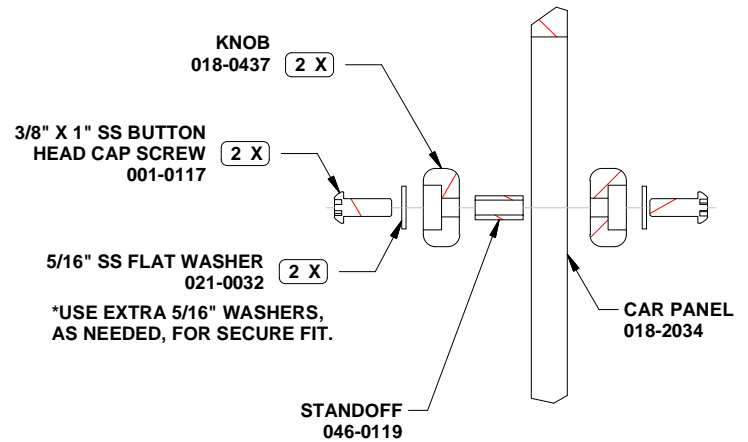
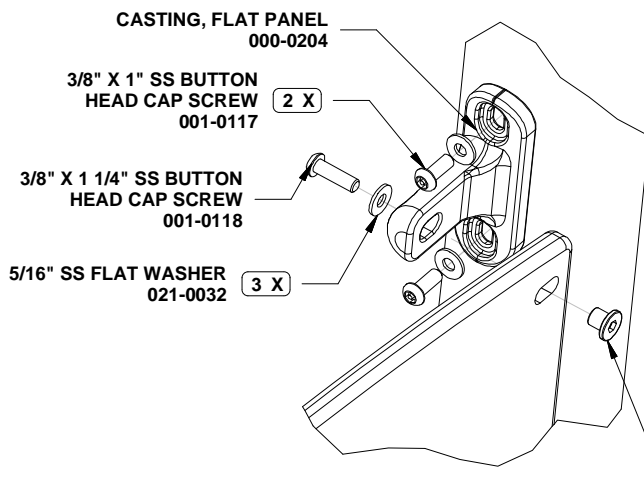
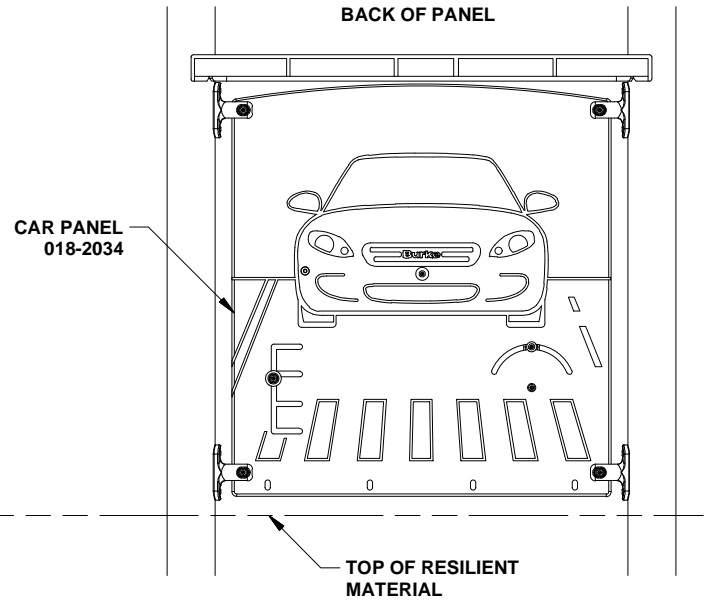
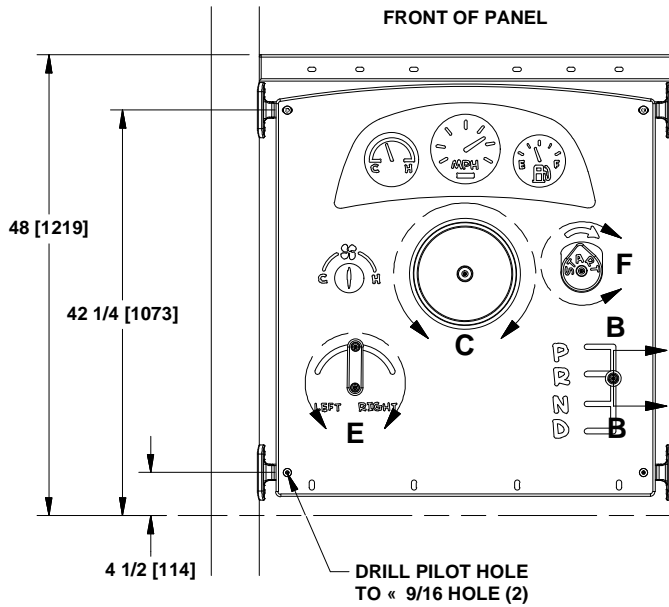
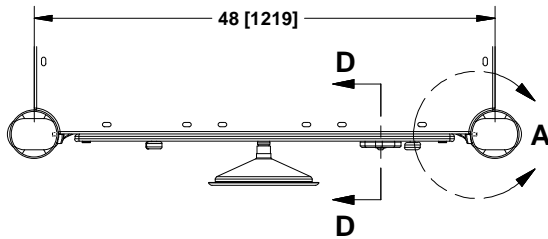
SHIPPING WEIGHT: 47 LBS.

INSTALLATION INSTRUCTIONS

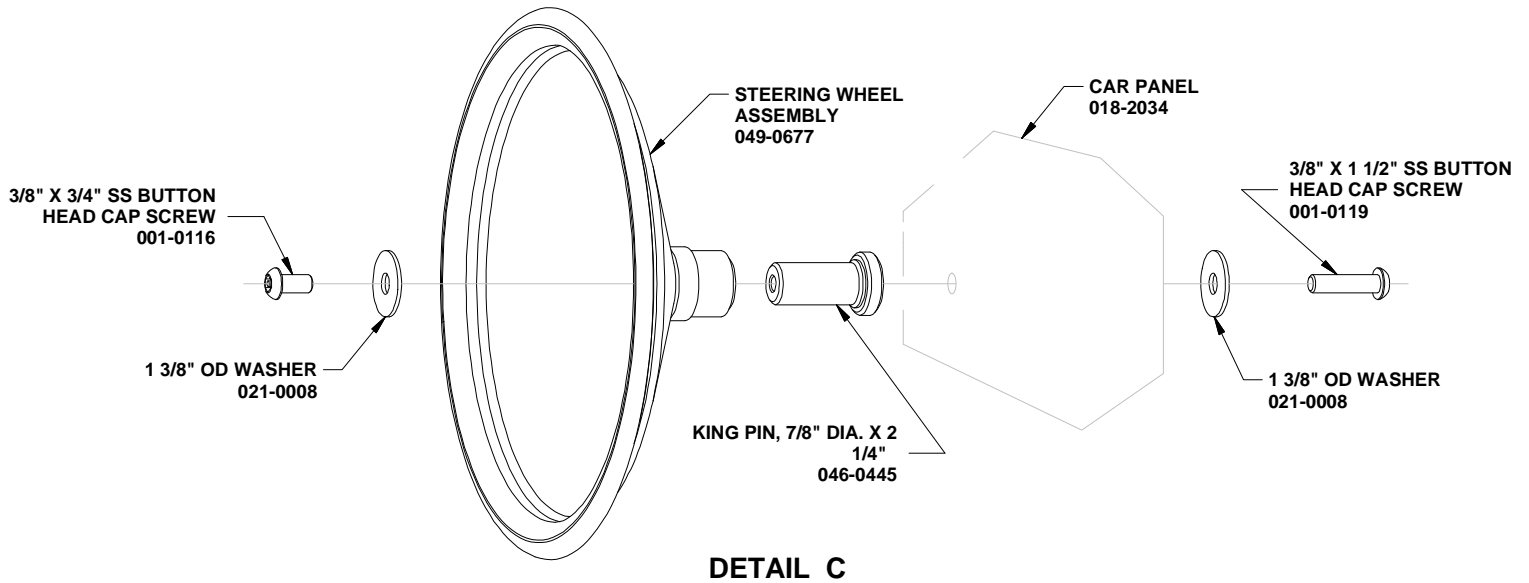
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

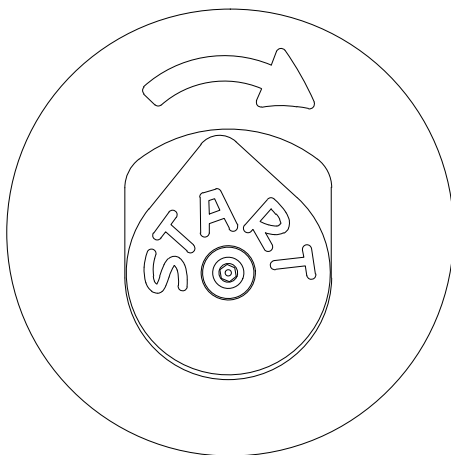
1. Determine location of Panel assembly.
2. Attach FLAT PANEL CASTINGS to posts using 3/8" X 1" SS button head cap screws and 5/16" SS flat washers. See DETAIL A.
3. Drill lower pilot holes in PANEL to 9/16" diameter for attachment.
4. Attach PANEL to FLAT PANEL CASTINGS using 3/8" X 1 1/4" SS button head cap screws, 5/16" SS flat washer and 3/8" SS socket head barrel nuts. See DETAIL A.
5. Attach BUMBLE BEES to panel using 1/2" OD X 7/8" STANDOFF, 3/8" X 3/4" SS button head cap screws and 5/16" SS flat washers as shown in SECTION B-B. NOTE: Use extra 5/16" washers, as needed, for secure fit.
6. Level panel assembly and tighten all hardware.
7. **Install resilient material accordance to installation guidelines, ASTM standards and CPSC guidelines.**



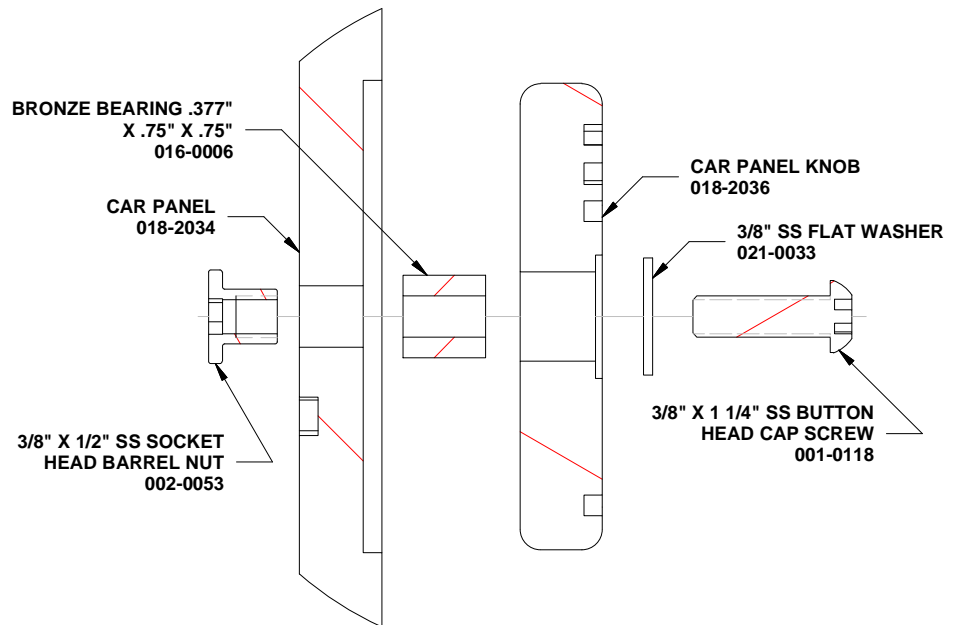
570-2665 CAR PANEL, BELOW PLATFORM



***CAR PANEL KNOB TO BE PLACED INTO RECESSED POCKET WITH PEAKED END POINTED UPRIGHT. AS SHOWN BELOW.**

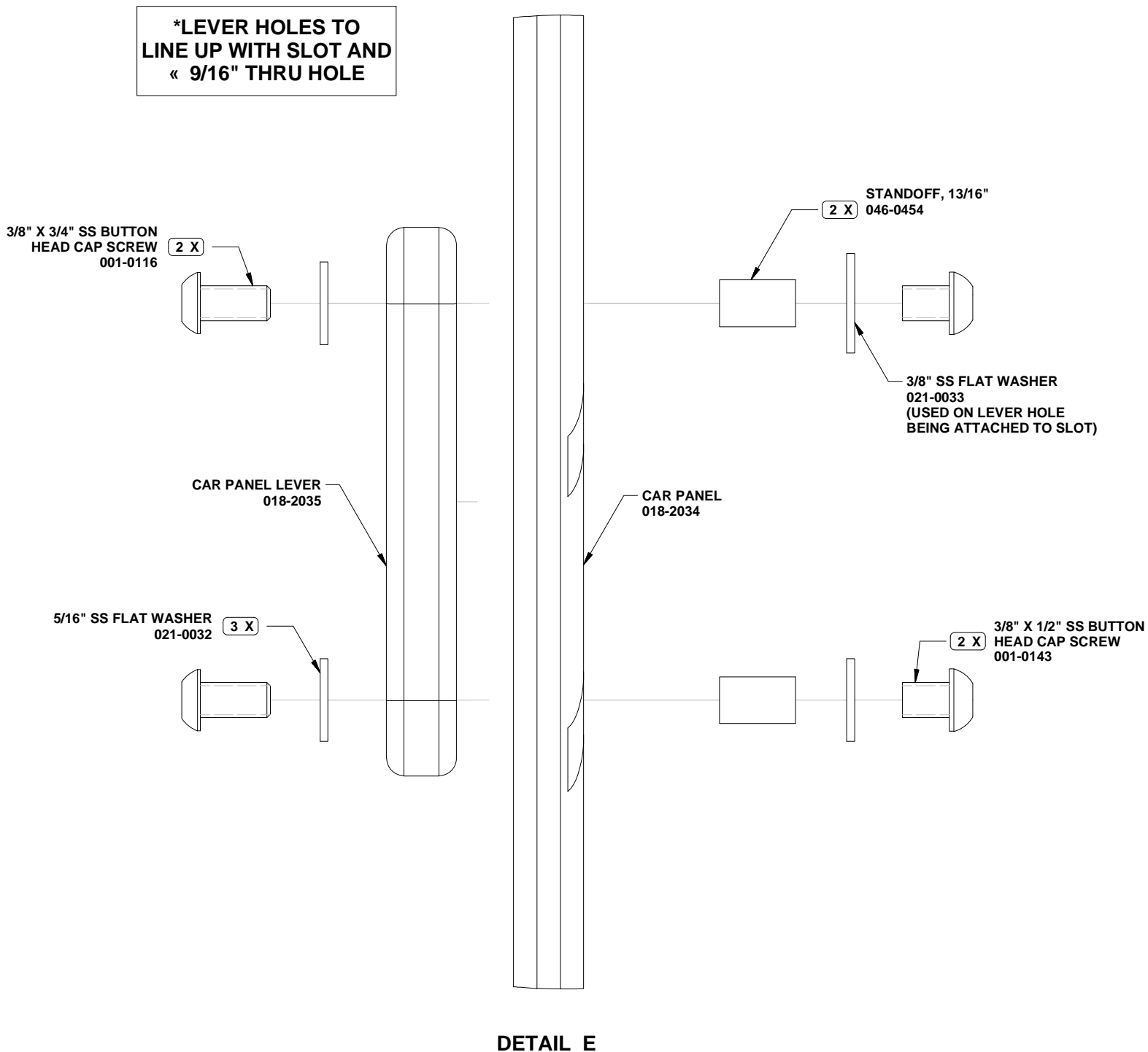


DETAIL F



DETAIL D-D

570-2665 CAR PANEL, BELOW PLATFORM



570-2665
CAR PANEL, BELOW PLATFORM

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0204	CASTING, FLAT PANEL	4
016-0006	BRONZE BEARING .377" X .75" X .75"	1
018-0437	KNOB	2
018-2034	CAR PANEL	1
018-2035	CAR PANEL LEVER	1
018-2036	CAR PANEL KNOB	1
036-0258	HARDWARE PACKAGE	1
036-1233	HARDWARE PACKAGE	1
036-2015	HARDWARE PACKAGE	1
036-2022	HARDWARE PACKAGE	1
046-0119	STANDOFF	1
046-0445	KING PIN, 7/8" DIA. X 2 1/4"	1
046-0454	STANDOFF, 13/16"	2
049-0677	STEERING WHEEL ASSEMBLY	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

KNOB; CAR PANEL LEVER: 3/4" extruded HDPE.

CAR PANEL; CAR PANEL KNOB: 3/4" co-extruded HDPE.

HARDWARE PACKAGE; HARDWARE PACKAGE;
HARDWARE PACKAGE: Stainless steel.

KING PIN, 7/8" DIA. X 2 1/4": 304 Stainless Steel.

STANDOFF; STANDOFF, 13/16": 1/2" OD threaded stainless steel tubing.

STEERING WHEEL ASSEMBLY: Assembly Consisting of a one piece all welded steering wheel made of 14 GA spun steel and 1 3/8" OD Steel Tube and a bronze bearing. Steering wheel is PVC coated after fabrication.

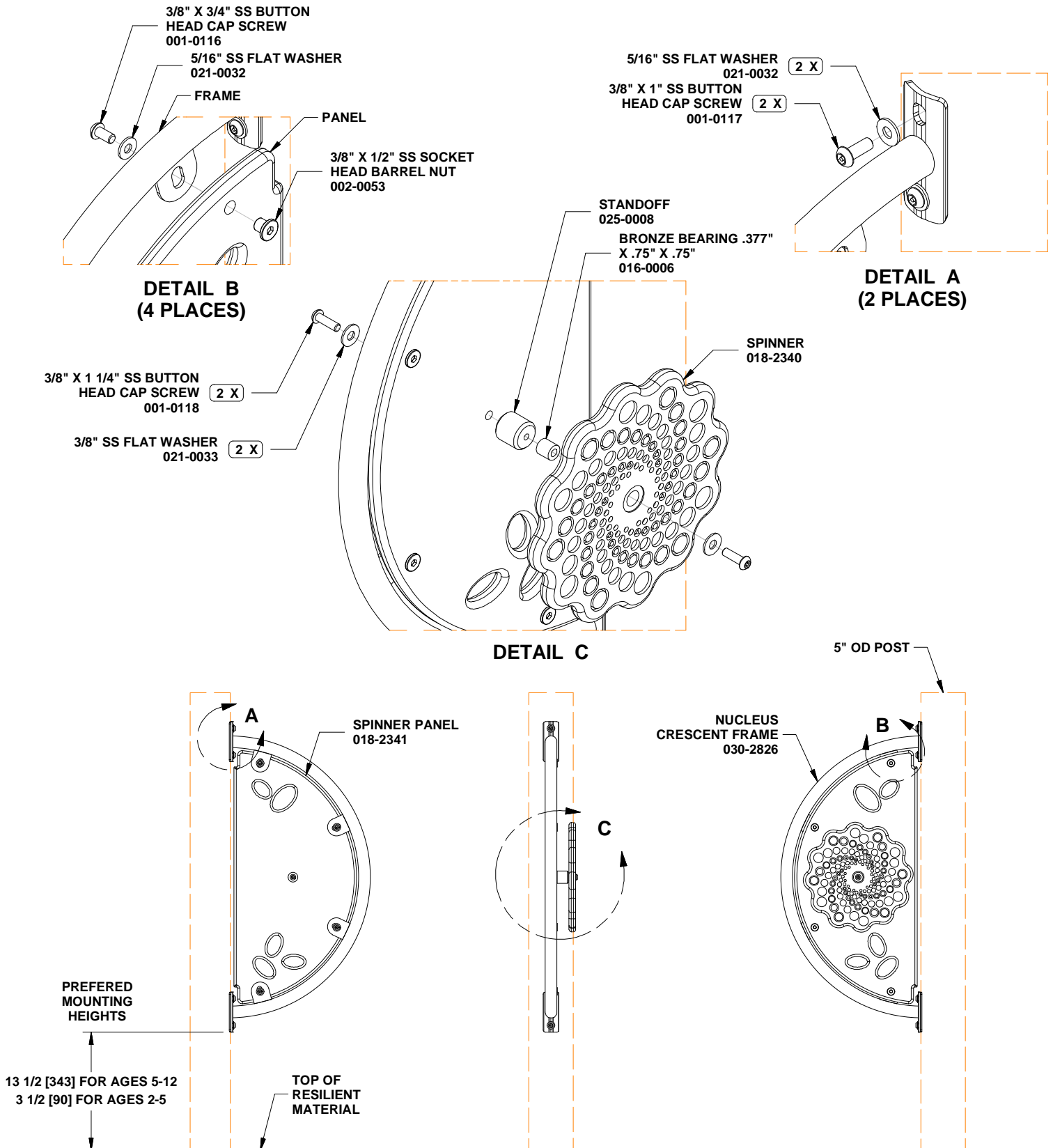
SHIPPING WEIGHT: 55 LBS.

INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

- Determine location of Panel assembly.
- Attach FLAT PANEL CASTINGS to posts using 3/8" X 1" SS button head cap screws and 5/16" SS flat washers. See DETAIL A.
- Drill lower pilot holes in PANEL to 9/16" diameter for attachment.
- Attach Panel to FLAT PANEL CASTINGS using 3/8" X 1 1/4" SS button head cap screws, 5/16" SS flat washer and 3/8" SS socket head barrel nuts. See DETAIL A.
- Assemble CAR PANEL LEVER to the panel in the correct slots using STANDOFF, 13/16", 3/8" X 3/4" SS button head cap screws, 3/8" X 1/2" SS button head cap screws, 5/16" SS flat washers and a 3/8" SS flat washer as shown in DETAIL E. Lever to be attached to both the appropriate slot and 9/16" diameter hole.
- Assemble KNOB to the appropriate panel slot using STAND OFF, 3/8" X 3/4" SS button head cap screws, and 5/16" ss flat washers as shown in SECTION B-B. **NOTE: Use extra 5/16" washers, as needed, for secure fit.**
- Attach CAR PANEL KNOB to the panel using 3/8" X 1 1/4" SS button head cap screw, 3/8" SS flat washer, BRONZE BEARING and 3/8" X 1/2" SS socket head barrel nut as shown in SECTION D-D and DETAIL E.
- Attach the KING PIN to the panel using 3/8" X 1 1/2" SS button head cap screw, 1 3/8" OD washer. Tighten hardware. See DETAIL C.
- Sleeve STEERING WHEEL ASSEMBLY onto king pin and attach using 1 3/8" OD washer and 3/8" X 3/4" SS button head cap screw. See DETAIL C.
- Make sure wheel spins freely. If not, you may need to remove more pvc from the back of the steering wheel.
- Level panel assembly and tighten all hardware.
- Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



570-2705 SPINNER CRESCENT PANEL

PARTS LIST

PART NO.	DESCRIPTION	QTY
016-0006	BRONZE BEARING .377" X .75" X .75"	1
018-2340	SPINNER	1
018-2341	SPINNER PANEL	1
025-0008	STANDOFF	1
030-2826	NUCLEUS CRESCENT FRAME	1
036-0258	HARDWARE PACKAGE	2
036-0784	HARDWARE PACKAGE	1
036-0838	HARDWARE PACKAGE	1
036-2022	HARDWARE PACKAGE	2

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

SPINNER: 3/4" Co-extruded HDPE.

SPINNER PANEL: 3/4" Extruded HDPE.

STANDOFF: 1 3/8" OD threaded cold rolled steel round.

NUCLEUS CRESCENT FRAME: One piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked on powder coating

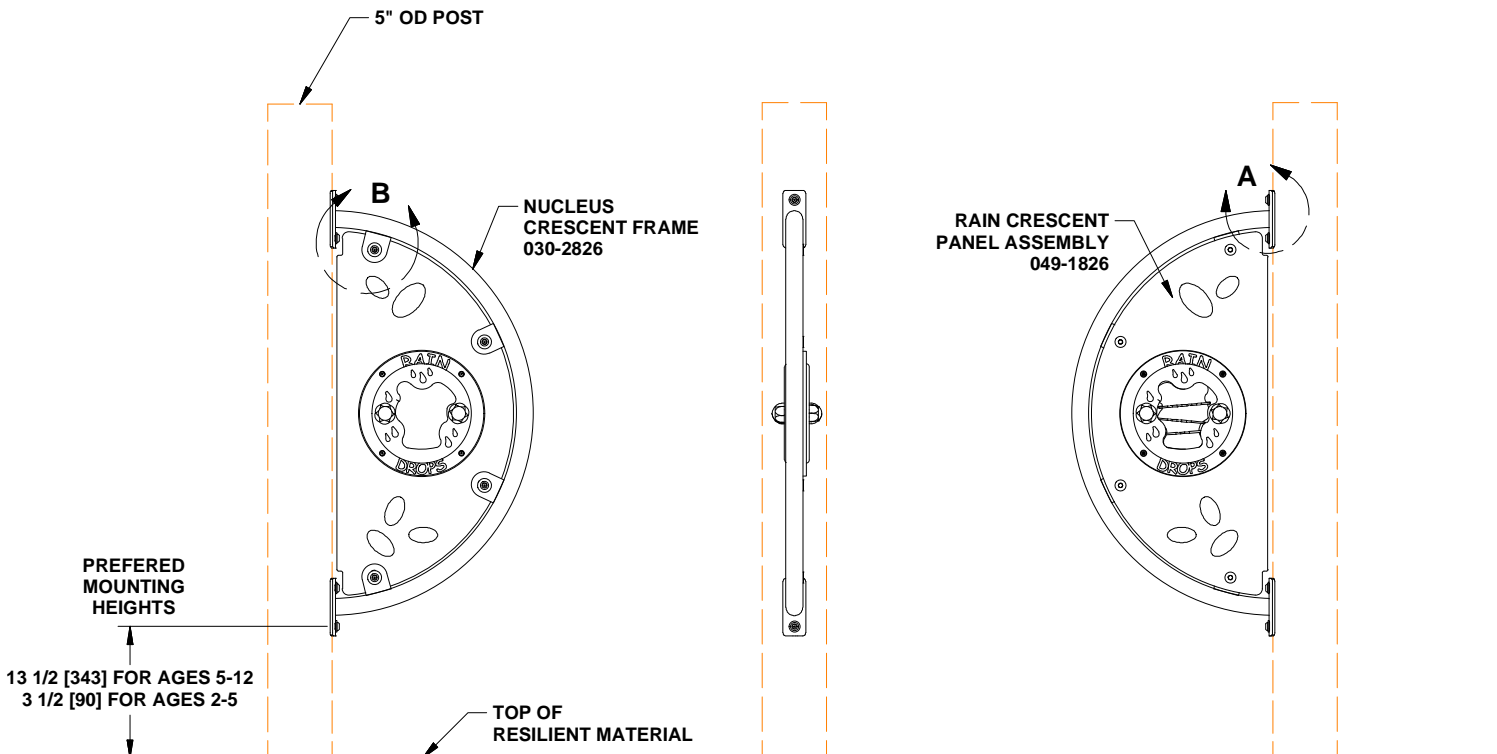
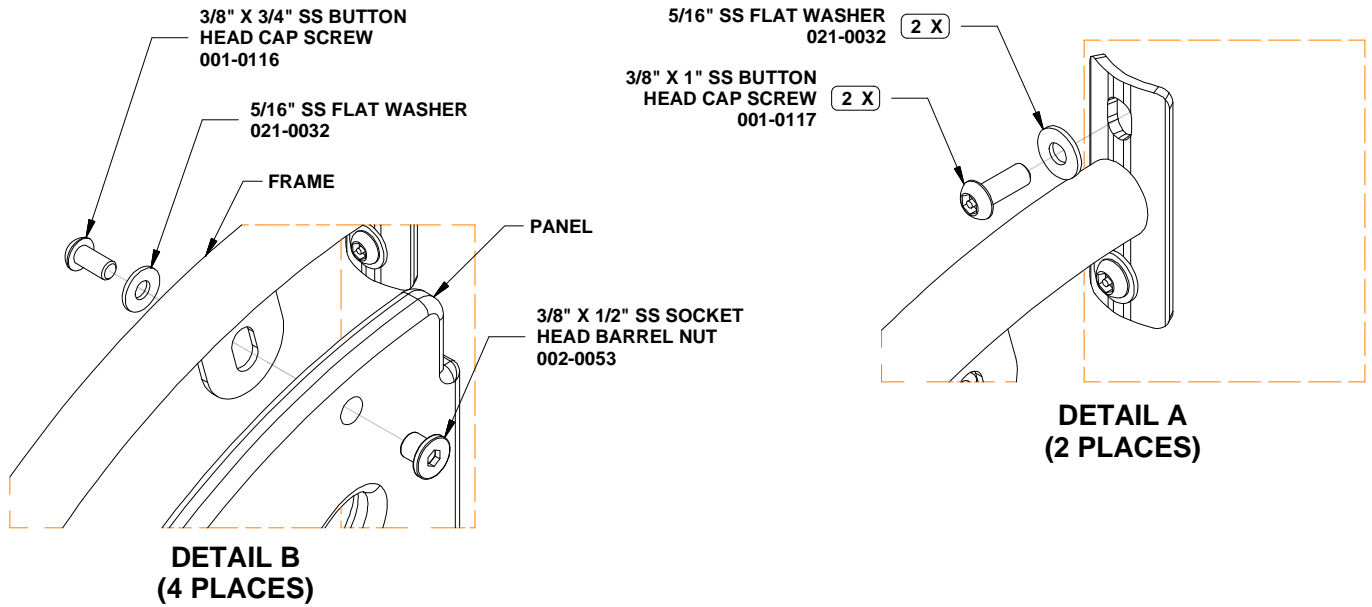
HARDWARE PACKAGE: Stainless steel screws, nuts and washers.

SHIPPING WEIGHT: 17 LBS.

INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

1. Position NUCLEUS CRESCENT FRAME against 5" OD POST and attach using hardware specified in DETAIL A.
2. Position SPINNER PANEL against tabs on NUCLEUS CRESCENT FRAME and attach using hardware specified in DETAIL B.
3. Position STANDOFF and BRONZE BEARING .377 X .75 X .75 concentrically between SPINNER PANEL and SPINNER. Attach using hardware specified in DETAIL C.
4. Tighten all hardware.
5. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



570-2707
RAIN CRESCENT PANEL

PARTS LIST

PART NO.	DESCRIPTION	QTY
030-2826	NUCLEUS CRESCENT FRAME	1
036-0258	HARDWARE PACKAGE	2
036-0784	HARDWARE PACKAGE	1
036-0838	HARDWARE PACKAGE	2
049-1826	RAIN CRESCENT PANEL ASSEMBLY	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

NUCLEUS CRESCENT FRAME: One piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked on powder coating

HARDWARE PACKAGE: Stainless steel screws, nuts and washers.

SINGLE POST ASSEMBLY, RAIN PANEL: 3/4" extruded HDPE, 1/2" extruded HDPE, injection molded HDPE bolt covers, polycarbonate windows, polycarbonate baffle plates, stainless steel balls, stainless steel ball bearings & stainless steel hardware.

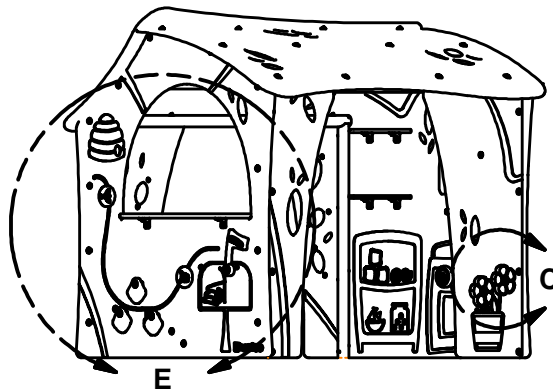
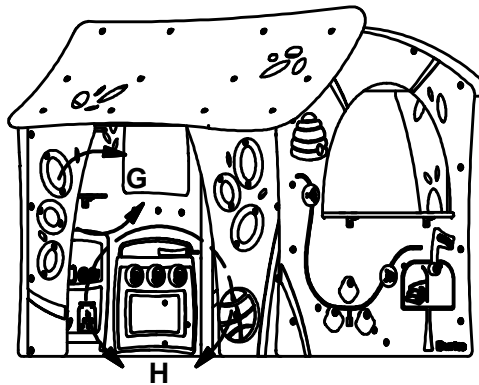
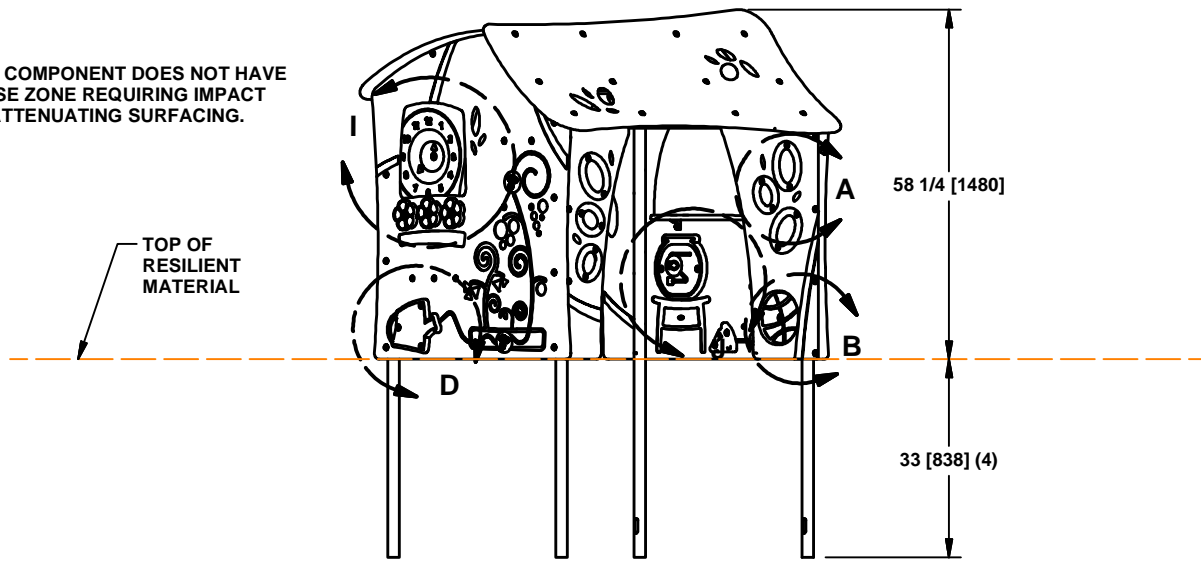
SHIPPING WEIGHT: 15.5 LBS.

INSTALLATION INSTRUCTIONS

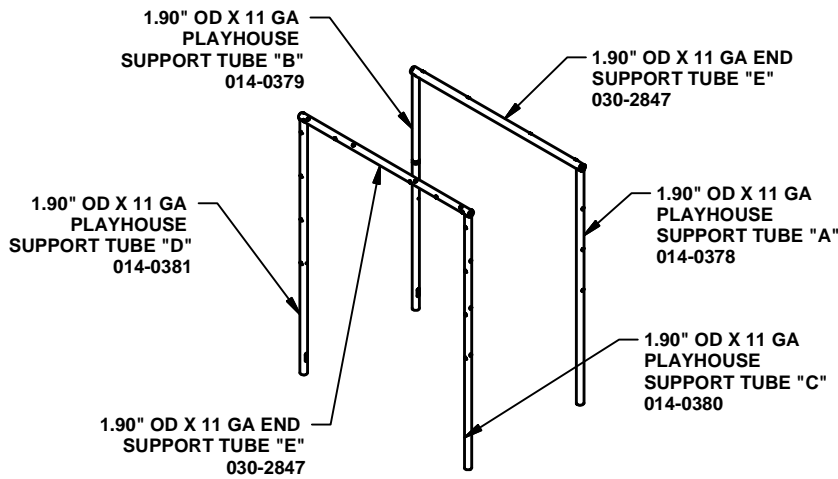
NOTE: Do not tighten hardware until instructed to do so.

1. Position NUCLEUS CRESCENT FRAME against 5" OD POST and attach using hardware specified in DETAIL A.
2. Position SINGLE POST ASSEMBLY, RAIN PANEL against tabs on NUCLEUS CRESCENT FRAME and attach using hardware specified in DETAIL B.
3. Tighten all hardware.
4. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

NOTE: COMPONENT DOES NOT HAVE
A USE ZONE REQUIRING IMPACT
ATTENUATING SURFACING.

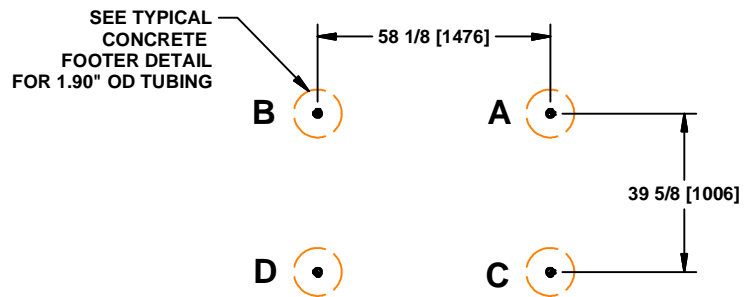


580-1373
PLAYHOUSE



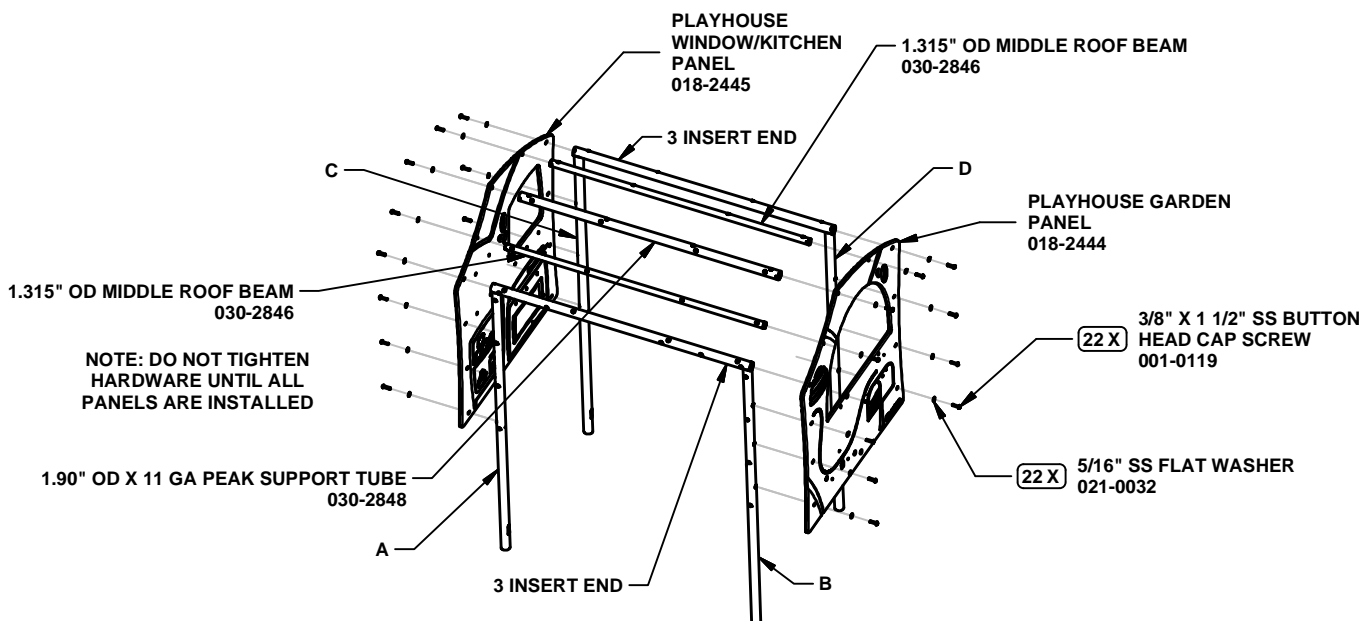
FRAME ISO VIEW

NOTE: SEE ISOMETRIC SIDE PANEL CONNECTION VIEW FOR PANEL LAYOUT



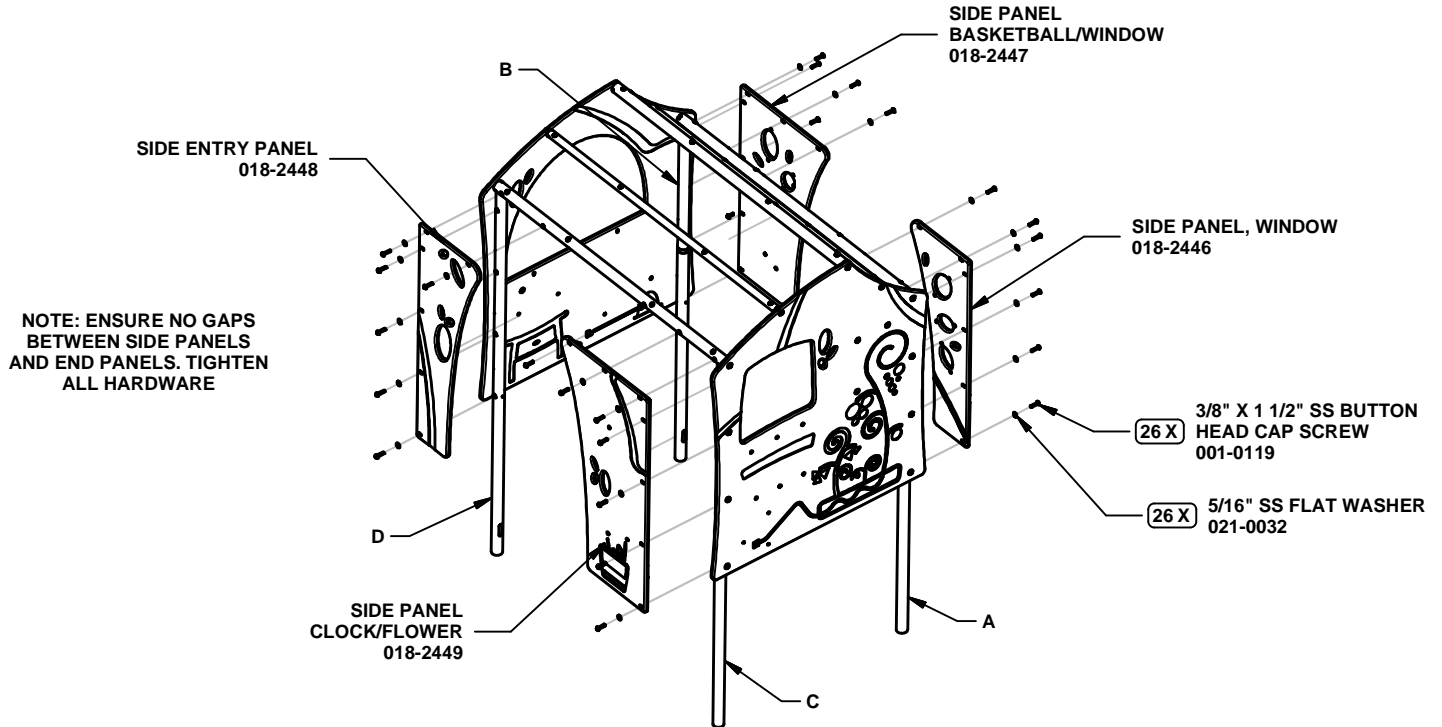
NOTE: LETTERS ARE ETCHED INTO VERTICAL SUPPORT TUBES NEAR ANCHOR SLOT

FRAME TOP VIEW

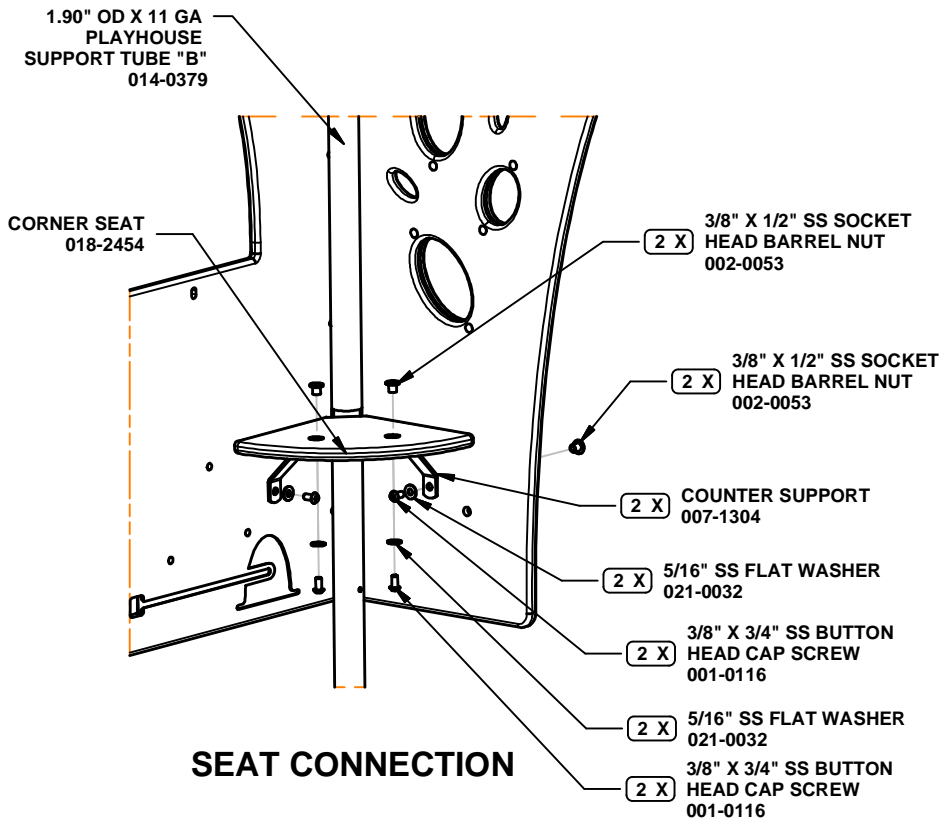


**END PANEL CONNECTION
(ROTATED 180 DEG)**

**580-1373
PLAYHOUSE**



SIDE PANEL CONNECTION



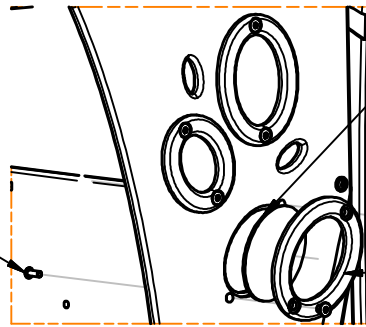
SEAT CONNECTION

580-1373
PLAYHOUSE

NOTE: ACRYLIC WINDOW FITS FLUSH IN POCKET. FRAME TO BE PLACED ON OUTSIDE OF PANEL. NO WASHER IS NEEDED.

3/8" X 1" BUTTON
HEAD CAP SCREW
001-0117

(2 X)



6 1/4" X 4 1/2" LARGE ELLIPTICAL WINDOW
018-2362

OR

4 1/4" X 3 1/2" SMALL ELLIPTICAL WINDOW
018-2421

(2 X) 3/8" X 1/2" SS SOCKET
HEAD BARREL NUT
002-0053

8 1/4" X 6 3/8" LARGE ELLIPTICAL FRAME
018-2374

OR

6 7/16" X 5 3/8" SMALL ELLIPTICAL FRAME
018-2375

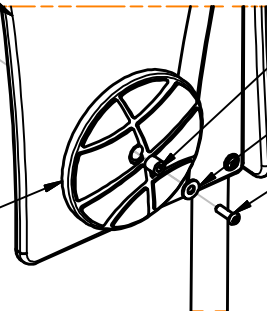
DETAIL A: ACRYLIC WINDOWS (6 PLACES)

SIDE PANEL
BASKETBALL/WINDOW
018-2447

3/8" X 3/4" SS SOCKET
HEAD BARREL NUT
002-0062

NOTE: IF HARDWARE SPINS
FREELY USE 002-0053

BASKETBALL SPINNER
018-2453



BRONZE BEARING .377"
X .75" X .75"
016-0006

3/8" SS FLAT WASHER
021-0033

3/8" X 1 1/4" SS BUTTON
HEAD CAP SCREW
001-0118

NOTE: CORNER SEAT
MUST BE INSTALLED PRIOR
TO BASKETBALL SPINNER

DETAIL B: BASKETBALL SPINNER

3/8" X 3/4" SS SOCKET
HEAD BARREL NUT
002-0062

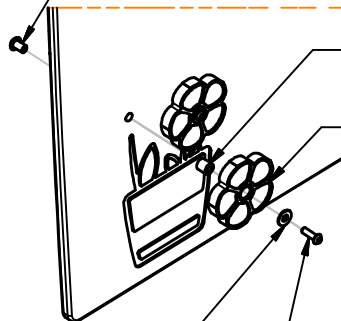
NOTE: IF HARDWARE SPINS
FREELY USE 002-0053

BRONZE BEARING .377"
X .75" X .75"
016-0006

FLOWER SPINNER
018-2373

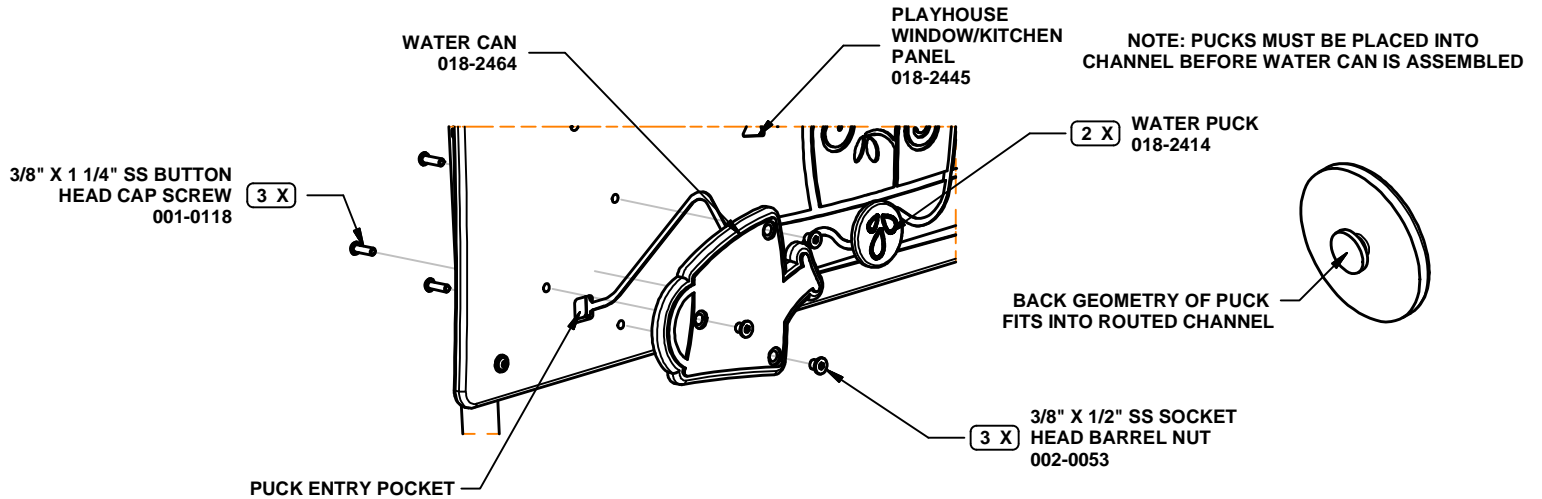
3/8" SS FLAT WASHER
021-0033

3/8" X 1 1/4" SS BUTTON
HEAD CAP SCREW
001-0118

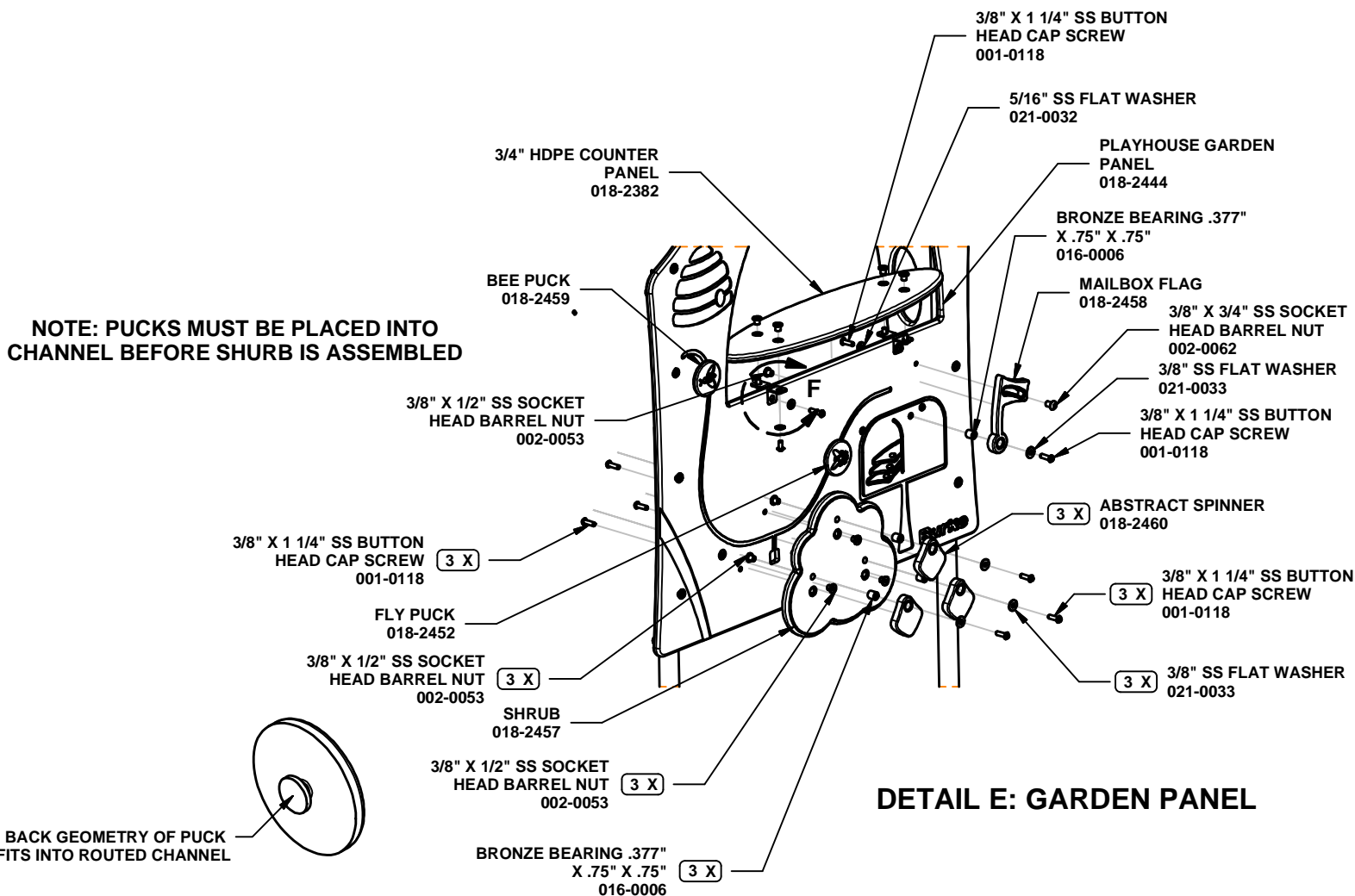


DETAIL C: FLOWER SPINNERS (5 PLACES)

580-1373
PLAYHOUSE

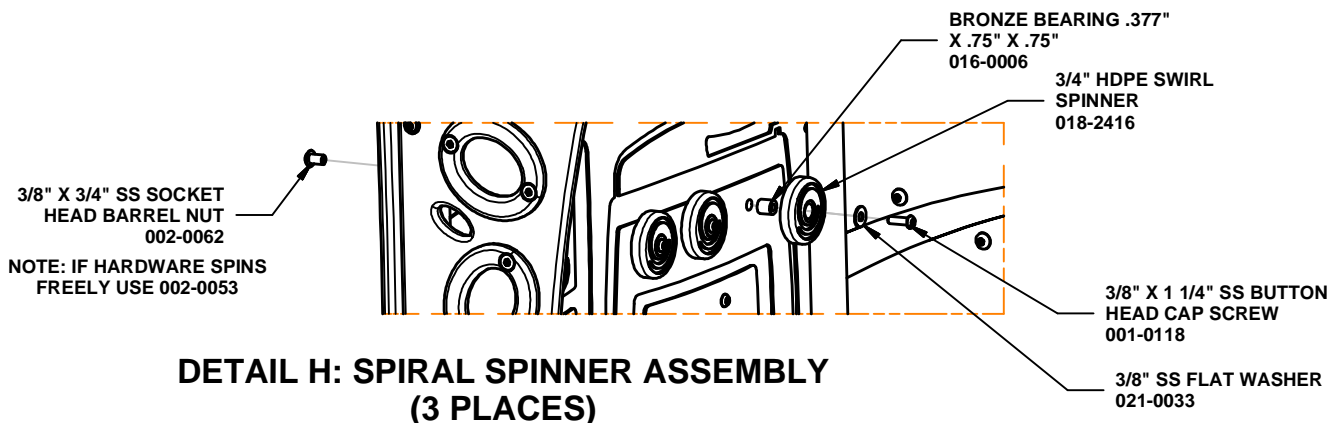
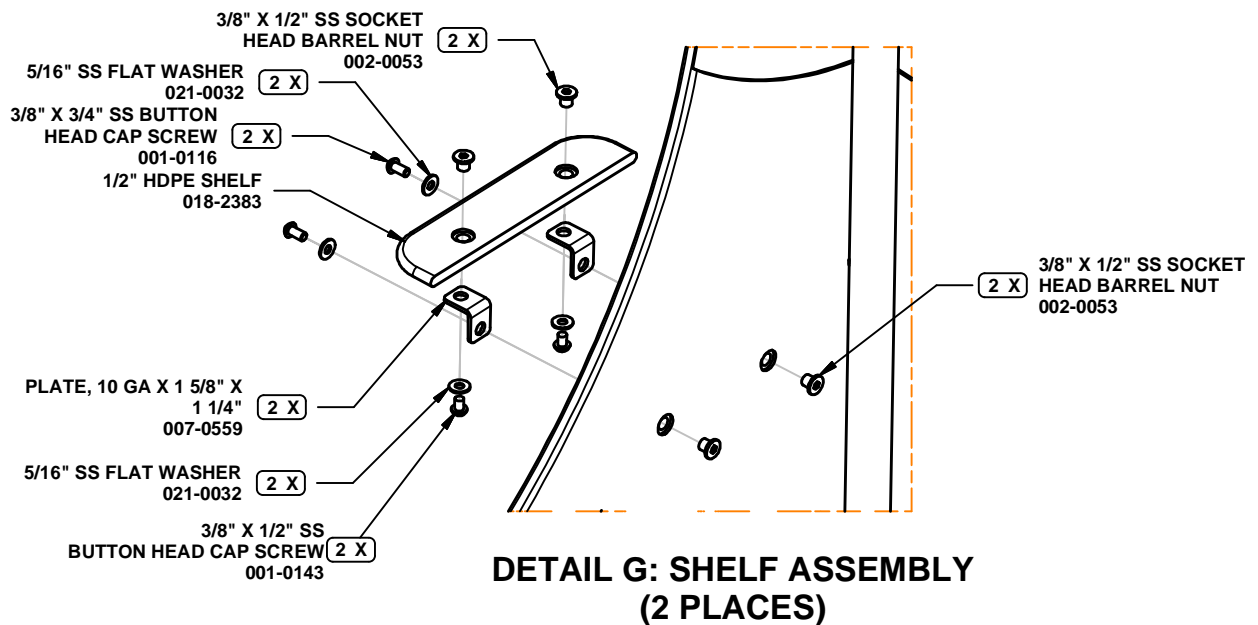
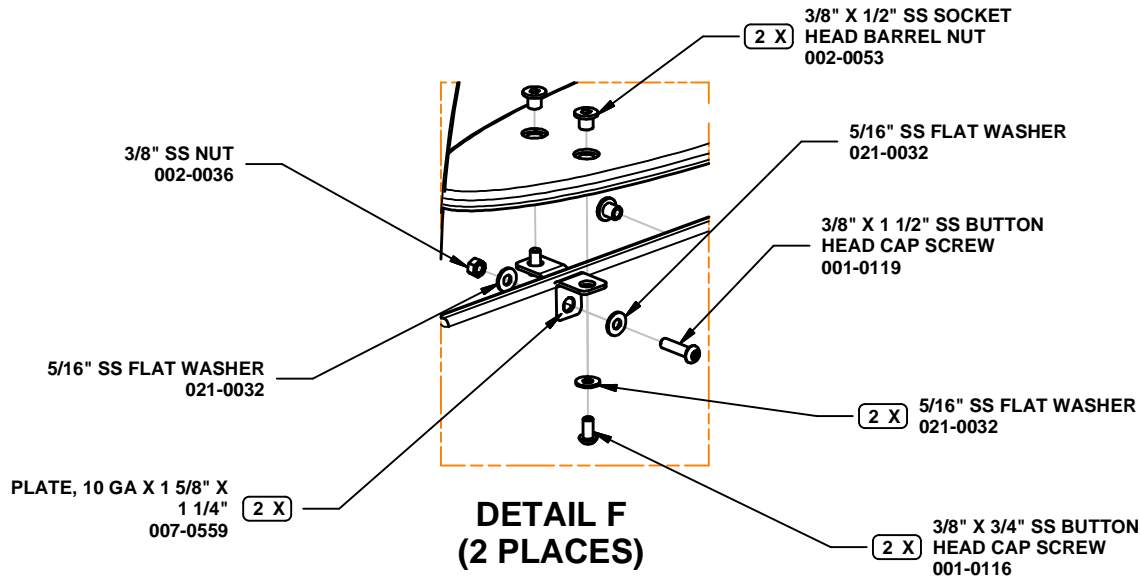


DETAIL D: WATER PUCKS

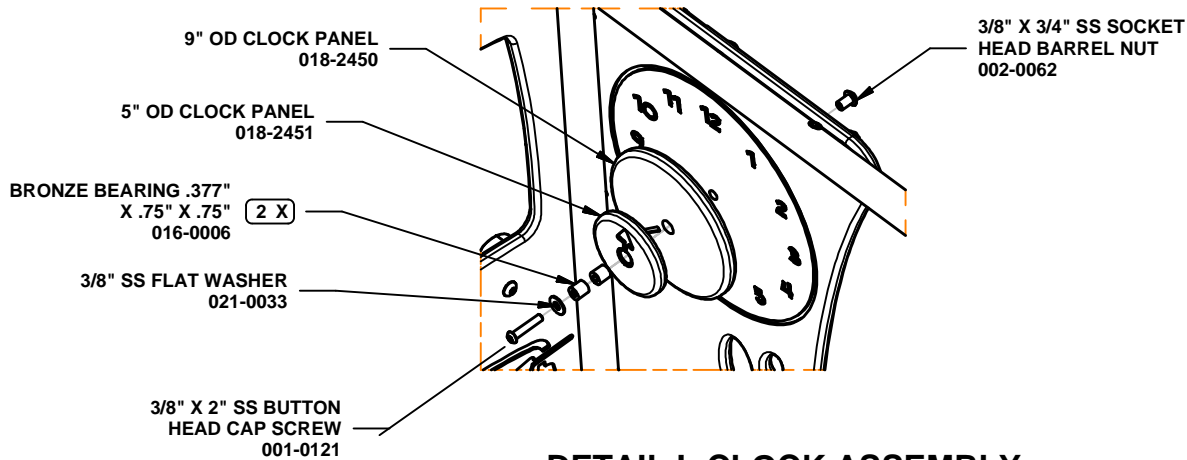


DETAIL E: GARDEN PANEL

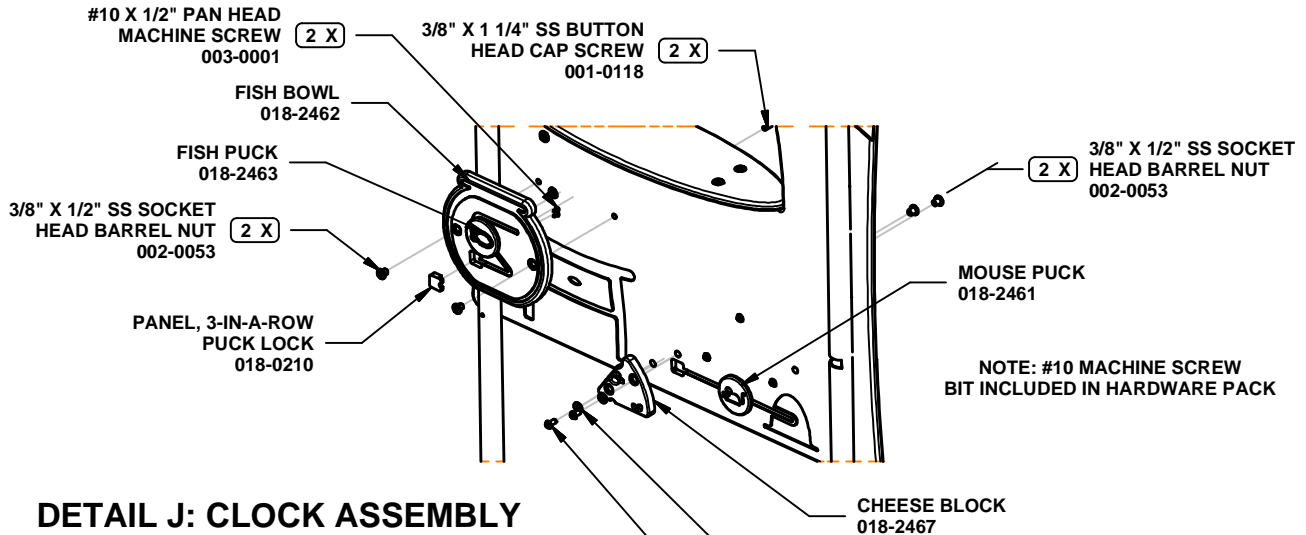
580-1373
PLAYHOUSE



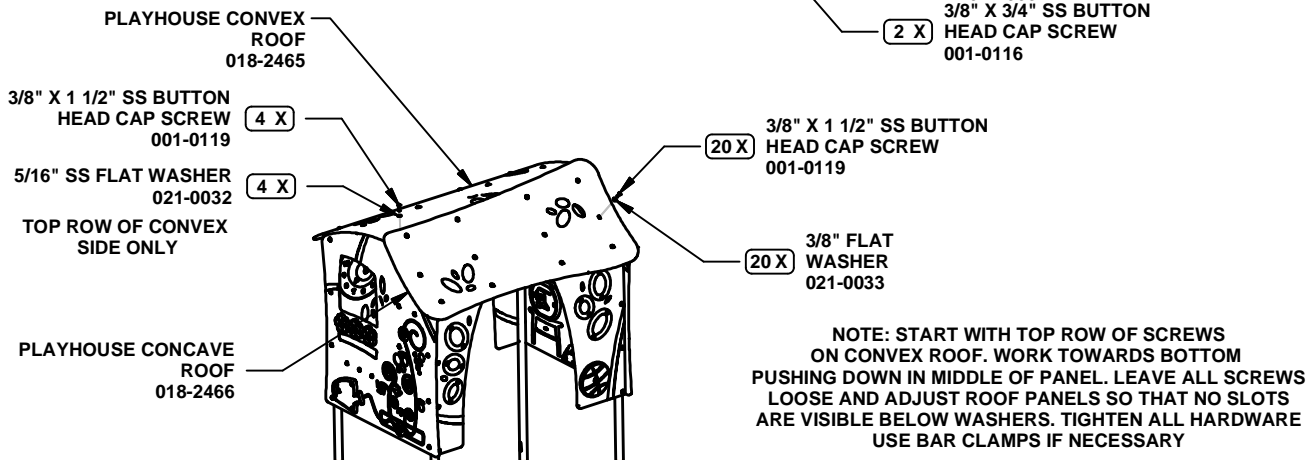
**580-1373
PLAYHOUSE**



DETAIL I: CLOCK ASSEMBLY



DETAIL J: CLOCK ASSEMBLY



ROOF ASSEMBLY

**580-1373
PLAYHOUSE**

PARTS LIST

PART NO.	DESCRIPTION	QTY
007-0559	PLATE 10 GA X 1 5/8" X 1 1/4"	8
007-1304	COUNTER SUPPORT	2
014-0378	1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "A"	1
014-0379	1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "B"	1
014-0380	1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "C"	1
014-0381	1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "D"	1
016-0006	BRONZE BEARING .377" X .75" X .75"	15
018-0210	PANEL, 3-IN-A-ROW PUCK LOCK	1
018-2362	6 1/4" X 4 1/2" LARGE ELLIPTICAL WINDOW	3
018-2373	FLOWER SPINNER	5
018-2374	8 1/4" X 6 3/8" LARGE ELLIPTICAL FRAME	3
018-2375	6 7/16" X 5 3/8" SMALL ELLIPTICAL FRAME	3
018-2382	3/4" HDPE COUNTER PANEL	1
018-2383	1/2" HDPE SHELF	2
018-2414	WATER PUCK	2
018-2416	3/4" HDPE SWIRL SPINNER	3
018-2421	4 1/4" X 3 1/2" SMALL ELLIPTICAL WINDOW	3
018-2444	PLAYHOUSE GARDEN PANEL	1
018-2445	PLAYHOUSE WINDOW/KITCHEN PANEL	1
018-2446	SIDE PANEL, WINDOW	1
018-2447	SIDE PANEL BASKETBALL/WINDOW	1
018-2448	SIDE ENTRY PANEL	1
018-2449	SIDE PANEL CLOCK/FLOWER	1
018-2450	9" OD CLOCK PANEL	1
018-2451	5" OD CLOCK PANEL	1
018-2452	FLY PUCK	1
018-2453	BASKETBALL SPINNER	1
018-2454	CORNER SEAT	1
018-2457	SHRUB	1
018-2458	MAILBOX FLAG	1
018-2459	BEE PUCK	1
018-2460	ABSTRACT SPINNER	3
018-2461	MOUSE PUCK	1
018-2462	FISH BOWL	1
018-2463	FISH PUCK	1
018-2464	WATER CAN	1
018-2465	PLAYHOUSE CONVEX ROOF	1
018-2466	PLAYHOUSE CONCAVE ROOF	1
018-2467	CHEESE BLOCK	1
030-2846	1.315" OD MIDDLE ROOF BEAM	2
030-2847	WELDMENT, 1.90" OD X 11 GA END SUPPORT TUBE "E"	2
030-2848	1.90" OD X 11 GA PEAK SUPPORT TUBE	1
036-1535	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

PLATE 10 GA X 1 5/8" X 1 1/4"; COUNTER SUPPORT: Formed 10 GA galvanized sheet steel finished with a baked-on powder coating

1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "A"; 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "B"; 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "C"; 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "D"; 1.90" OD X 11 GA END SUPPORT TUBE "E"; 1.90" OD X 11 GA PEAK SUPPORT TUBE: 1.90" X 11 GA galvanized steel tubing finished with a baked-on powder coating

BRONZE BEARING .377" X .75" X .75": SAE Oil-impregnated bronze

PANEL, 3-IN-A-ROW PUCK LOCK; CORNER SEAT; MAILBOX FLAG; COUNTER PANEL; 3/4" Extruded HDPE

6 1/4" X 4 1/2" LARGE ELLIPTICAL WINDOW; 4 1/4" X 3 1/2" SMALL ELLIPTICAL WINDOW: .225" colored acrylic

FLOWER SPINNER; WATER PUCK; 3/4" HDPE SWIRL SPINNER; PLAYHOUSE GARDEN PANEL; PLAYHOUSE WINDOW/KITCHEN PANEL; SIDE PANEL, WINDOW; SIDE PANEL BASKETBALL/WINDOW; SIDE ENTRY PANEL; SIDE PANEL CLOCK/FLOWER; 9" OD CLOCK PANEL; 5" OD CLOCK PANEL; BASKETBALL SPINNER; SHRUB; BEE PUCK; MOUSE PUCK; FISH BOWL; FISH PUCK; WATER CAN; 3/4" co-extruded HDPE

8 1/4" X 6 3/8" LARGE ELLIPTICAL FRAME; 6 7/16" X 5 3/8" SMALL ELLIPTICAL FRAME; PLAYHOUSE CONVEX ROOF; PLAYHOUSE CONCAVE ROOF: 1/2" extruded HDPE

1.315" OD MIDDLE ROOF BEAM: 1.315" OD X 12 GA galvanized steel tubing, stainless steel threaded inserts finished with a baked-on powder coating.

HARDWARE PACKAGE: Stainless steel

SHIPPING WEIGHT: 360 LBS.

INSTALLATION INSTRUCTIONS

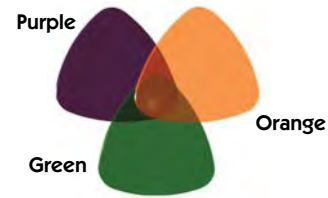
1. Locate and dig footing holes per dimensions shown in TOP VIEW. Refer to typical concrete footing detail for 1.900" OD tubing located in your installation manual.
2. Install tubing supports as shown in FRAME ISO VIEW. The vertical support tubes will have an etched letter near the anchor hole for easy reference.
3. Install end panels and roof supports with hardware specified in END PANEL CONNECTION VIEW. Verify that the 3 insert sides of the "E" tube are oriented correctly.
4. Attach side panels to frame using hardware specified in SIDE PANEL CONNECTION VIEW. Leave hardware loose until all panels have been assembled. Once all panels have been assembled ensure no gaps between side and end panels and tighten hardware.
5. Attach accessories and play activities as specified in DETAILS A-J.
6. Attach roof panels using hardware specified in ROOF CONNECTION VIEW. Use caution when tightening screws to ensure insert is properly aligned to avoid stripping insert.
7. Ensure all frames are tight to main panels and moving accessories move without interference. Tighten all hardware.
8. Level and plumb all tube supports and panels.
9. Pour concrete and let cure 2-3 days.
- 10. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

COLORS THAT MOVE YOU

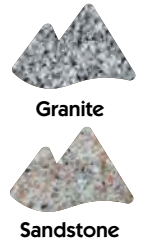
POWDER COAT PAINT



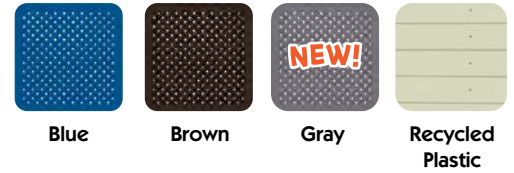
SOLIS HUE TOPPERS



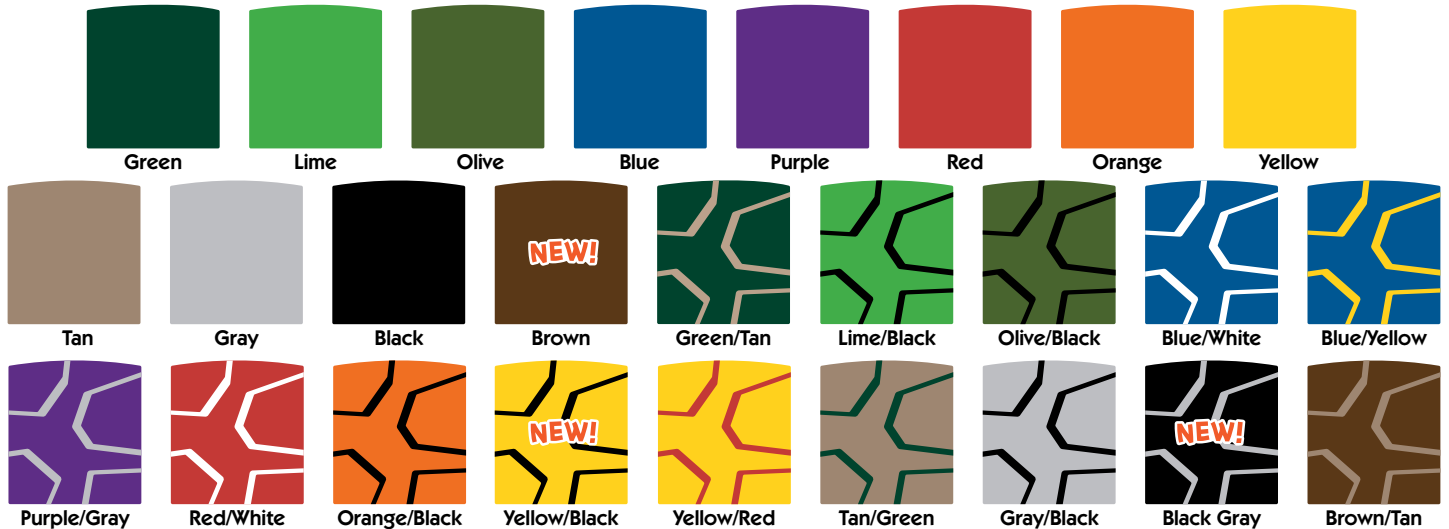
ROCKIT CLIMBERS



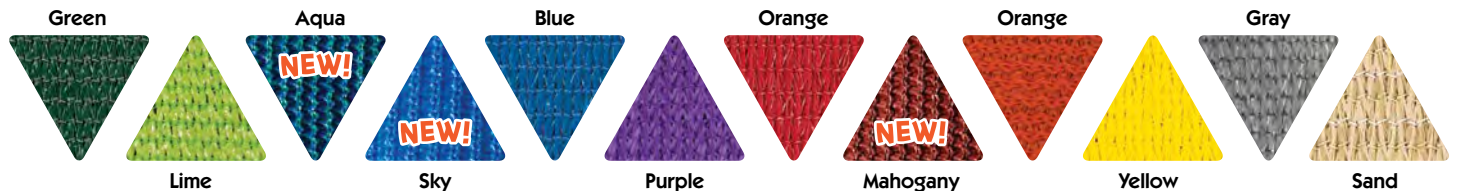
PLATFORMS



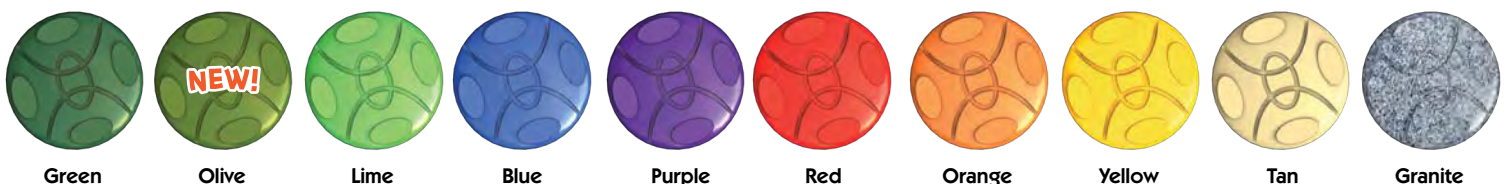
HDPE PLASTIC PANELS



SHADE CANOPIES



ROTOMOLD PLASTIC



VISIT [BCIBURKE.COM/COLOR](https://www.bci-burke.com/color) TO CUSTOMIZE YOUR PLAYGROUND COLORS!

BCIBURKE.COM

Burke

800.266.1250

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COLORS THAT MOVE YOU



Electric

Navy posts, granite plastic, blue shade, lime accessories & blue platforms



Bayside

Green posts, blue plastic, blue shade, aqua accessories & brown platforms



Daisy

Fuchsia posts, lime plastic, purple shade, lemon accessories & gray platforms



Aster

Aqua posts, purple plastic, purple shade, lemon accessories & brown platforms



Urban

Silver posts, red plastic, red shade, black accessories & brown platforms



Psychedelic

Navy posts, orange plastic, lime shade, lime accessories & brown platforms



Chameleon

Black posts, lime plastic, lime shade, aqua accessories & brown platforms



Freedom

Sky posts, red plastic, red shade, white accessories & brown platforms



Forest

Burgundy posts, green plastic, green shade, tan accessories & brown platforms



Retro

Charcoal posts, granite plastic, mahogany shade, redwood accessories & brown platforms



Enchanted

Brown posts, lime plastic, lime shade, tan accessories & brown platforms



Sunflower

Redwood posts, yellow plastic, yellow shade, olive accessories, & brown platforms



Macaw

Aqua posts, yellow plastic, orange shade, lime accessories & gray platforms



Orchid

Lemon posts, purple plastic, lime shade, aqua accessories & brown platforms



Parrot

Sky posts, red plastic, red shade, lemon accessories & brown platforms



Seabreeze

Mint posts, granite plastic, aqua shade, aqua accessories & gray platforms

BURKE GENERATIONS WARRANTY®

The Longest and Strongest warranty in the industry

BCI Burke Company, LLC ("Burke") warrants that all standard products are warranted to be free from defects in materials and workmanship, under normal use and service, for a period of one (1) year from the date of shipment.

We stand behind our products. In addition, the following products are warranted, under normal use and service from the date of shipment as follows:

- One Hundred (100) Year Limited Warranty on aluminum and steel upright posts (including Intensity®, Synergy™, Nucleus®, Voltage®, Little Buddies®, ELEVATE®, ACTIVATE®, INVIGORATE™) against structural failure due to corrosion, deterioration or workmanship.
- One Hundred (100) Year Limited Warranty on KoreConnect® clamps against structural failure due to corrosion, deterioration or workmanship.
- One Hundred (100) Year Limited Warranty on Hardware (nuts, bolts, washers)
- One Hundred (100) Year Limited Warranty on bolt-through fastening and clamp systems (Synergy™, Intensity®, Nucleus®, Voltage®, Little Buddies®, ELEVATE®).
- Twenty-Five (25) Year Limited Warranty on spring assemblies and aluminum cast animals.
- Fifteen (15) Year Limited Warranty on structure platforms and decks, metal roofs, table tops, bench tops, railings and barriers against structural failure due to materials or workmanship.
- Fifteen (15) Year Limited Warranty on all plastic components including StoneBorders against structural failure due to materials or workmanship.
- Ten (10) Year Limited Warranty on ShadePlay Canopies fabric, threads, and cables against degradation, cracking or material breakdown resulting from ultra-violet exposure, natural deterioration or manufacturing defects. This warranty is limited to the design loads as stated in the specifications.
- Ten (10) Year Limited Warranty on NaturePlay® Boulders and GFRG products against structural failure due to natural deterioration or workmanship. Natural wear, which may occur with any concrete product with age, is excluded from this warranty.
- Ten (10) Year Limited Warranty on Full Color Custom Signage against manufacturing defects that cause delamination or degradation of the sign. Full Color Custom Signs also carry a two (2) year warranty against premature fading of the print and graphics on the signs.
- Five (5) Year Limited Warranty on Intensity® and RopeVenture® cables and LEVEL X® flex bridge against premature wear due to natural deterioration or manufacturing defects. Determination of premature wear will be at the manufacturer's discretion.
- Five (5) Year Limited Warranty on moving parts, including swing components, against structural failure due to materials or workmanship.
- Five (5) Year Limited Warranty on PlayEnsemble® cables and mallets against defects in materials and workmanship.
- Three (3) Year Limited Warranty on electronic panel speakers, sound chips and circuit boards against electronic failure caused by manufacturing defects.

The warranty stated above is valid only if the equipment is erected in conformity with the layout plan and/or installation instructions furnished by BCI Burke Company, LLC using approved parts; have been maintained and inspected in accordance with BCI Burke Company, LLC instructions. Burke's liability and your exclusive remedy hereunder will be limited to repair or replacement of those parts found in Burke's reasonable judgment to be defective. Any claim made within the above stated warranty periods must be made promptly after discovery of the defect. A part is covered only for the original warranty period of the applicable part. Replacement parts carry the applicable warranty from the date of shipment of the replacement from Burke. After the expiration of the warranty period, you must pay for all parts, transportation and service charges.

Burke reserves the right to accept or reject any claim in whole or in part. Burke will not accept the return of any product without its prior written approval. Burke will assume transportation charges for shipment of the returned product if it is returned in strict compliance with Burke's written instructions.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IF THE FOREGOING DISCLAIMER OF ADDITIONAL WARRANTIES IS NOT GIVEN FULL FORCE AND EFFECT, ANY RESULTING ADDITIONAL WARRANTY SHALL BE LIMITED IN DURATION TO THE EXPRESS WARRANTIES AND BE OTHERWISE SUBJECT TO AND LIMITED BY THE TERMS OF BURKE'S PRODUCT WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

Warranty Exclusions: The above stated warranties do not cover: "cosmetic" defects, such as scratches, dents, marring, or fading; damage due to incorrect installation, vandalism, misuse, accident, wear and tear from normal use, exposure to extreme weather; immersion in salt or chlorine water, unauthorized repair or modification, abnormal use, lack of maintenance, or other cause not within Burke's control; and

Limitation of Remedies: Burke is not liable for consequential or incidental damages, including but not limited to labor costs or lost profits resulting from the use of or inability to use the products or from the products being incorporated in or becoming a component of any other product. If, after a reasonable number of repeated efforts, Burke is unable to repair or replace a defective or nonconforming product, Burke shall have the option to accept return of the product, or part thereof, if such does not substantially impair its value, and return the purchase price as the buyer's entire and exclusive remedy. Without limiting the generality of the foregoing, Burke will not be responsible for labor costs involved in the removal of products or the installation of replacement products. Some states do not allow the exclusion of incidental damages, so the above exclusion may not apply to you.

The environment near a saltwater coast can be extremely corrosive. Some corrosion and/or deterioration is considered "normal wear" in this environment. Product installed within 500 yards of a saltwater shoreline will only be covered for half the period of the standard product warranty, up to a maximum of five years, for defects caused by corrosion. Products installed in direct contact with saltwater or that are subjected to salt spray are not covered by the standard warranty for any defects caused by corrosion.

Contact your local Burke Representative for warranty information regarding Burke Turf® and Burke Tile products.

Terms of Sale

Pricing: Prices published in this catalog are in USD, are approximate and do not include shipping & handling, surfacing, installation nor applicable taxes. All prices are subject to change without notice. Contact your Burke representative for current pricing. Payments are to be made in USD.

Weights: Weights are approximate and may vary with actual orders.

Installation: All equipment is shipped unassembled. For a list of factory-certified installers in your area, please contact your Burke representative.

Specifications: Product specifications in this catalog were correct at the time of publication. However, product improvements are ongoing at Burke, and we reserve the right to change or discontinue specifications without notice.

Loss or Damage in Transit: A signed bill of lading is our receipt from a carrier that our shipment to you was complete and in good condition upon arrival. Before you sign, please check the Bill of Lading carefully when the shipment arrives to make sure nothing is missing and there are no damages. Once the shipment leaves our plant, we are no longer responsible for any damage, loss or shortage.

For more information regarding the warranty, call Customer Service at 920-921-9220 or 1-800-356-2070.

01/2022



137-139520-2

January 27, 2022
2022 Pricing



SPECIFICATIONS FOR BCI BURKE PLAY STRUCTURES

SECTION 11 68 00

Play Field Equipment and Structures

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.

PART 1 GENERAL

1.01 Section Includes

- A. Installation of a playground structure model [137-139520-2] as shown on the plans and herein specified.

1.02 Related Sections

- A. 31 10 00 – Site Preparation.
- B. 31 00 00 - Earthwork.
- C. 32 18 00 – Athletic and Recreational Surfacing.

1.03 Quality Assurance

- A. Installer Qualifications - An experienced installer familiar with local building codes and with the latest safety guidelines, who has completed installation of playground structures similar in material, design, and extent to that indicated for this project, and whose work has resulted in construction with a record of successful in-service performance.
- B. Acceptable Manufacturers - Provide play structure/components as manufactured by BCI Burke Company, LLC, P.O. Box 549, 600 Van Dyne Road, Fond du Lac, Wisconsin 54936-0549, Tel: (920) 921-9220, Fax: (920) 921-9566, Toll Free: 1-800-266-1250, www.bciburke.com.
- C. Product Options - Drawing indicates size, components and dimensional requirements of playground structure and is based on the specific system indicated.

1.04 Submittals

- A. Product Data: Include physical characteristics such as materials, dimensions and finish.
- B. Shop Drawings: Show assembly and installation details.
- C. Samples for Verification: Color selections for [upright posts], [steel accessories], [freestanding panels & signs], [swings], [Kid Koasters™], [plastic components], [other].

D. Warranty: Include manufacturer's standard warranty.

1.05 References

- A. ASTM F1487 Standard Consumer Safety Performance Specification for Playground Equipment for Public use CAN/CSA-Z614 Children's Playspaces and Equipment.
- B. ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
- C. U.S. Consumer Products Safety Commission Handbook for Public Playground Safety.
- D. Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Play Areas, amended November 20, 2000.

1.06 Delivery, Storage and Handling

- A. Inspect all components on delivery to ensure that no damage occurred during shipping or handling. Materials shall be stored in original undamaged packaging in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism, and theft until ready for installation. Inspect components prior to installation.

PART 2 MATERIALS

2.01 General product material specifications

A. Clamps

- 1. KoreKonnnect™ clamp castings [Nucleus, Voltage] shall be cast aluminum heat-treated alloy A356-T6 with a tensile strength of at least 34,000 psi, yield strength of at least 24,000 psi, shear of 20,700 psi, and elongation of 3.50% minimum. Each casting shall clamp to the post with two connection bolts. Clamp casting shall encapsulate the component attached to support surge loads, preventing surge loads being supported by only the hardware. Clamp shall be finished with a baked-on powder coating.
- 2. Clamp Castings [Little Buddies] shall be cast aluminum heat-treated alloy A356-T6 with a tensile strength of at least 34,000 psi, yield strength of at least 24,000 psi, shear of 20,700 psi, and elongation of 3.50% minimum. Each casting shall clamp to the post with one connection bolt. Clamp shall be finished with a baked-on powder coating.

B. Platforms

- 1. Platforms [Nucleus, Synergy, Voltage, Little Buddies] One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with EZKonnnect (patent pending) self-leveling fastening system, with two

attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts.

2. Recycled Platforms [Nucleus] One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with EZKconnect (patent pending) self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts. Boards are a one-piece solid, non-hollow foamed recycled HDPE (ReHDPE)
3. 90 Degree Platform [Nucleus, Voltage] One piece all welded construction consisting of 12 GA HRPO steel shell and gussets, PVC coated after fabrication. Platforms shall connect to posts with patented EZKconnect self-leveling fastening system, with two attachment points per corner, one of those being an open-ended slot for easy assembly. Platform fasteners shall attach to threaded inserts which are CNC precision factory installed into the posts. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.
4. Crescent Platform: Platform mount shall be one piece all welded construction consisting of 2.375" 12ga and 1.315" 14ga formed galvanized tubing, 7ga stainless steel and 8ga galvanized steel plates, finished with a baked-on powder coating. Platform panel shall be 3/4" co-extruded HDPE.

C. Fasteners

1. Button head cap screws and socket head cap screws shall be 302HQ corrosion resistant, passivated, stainless steel, tamper resistant, and pre-treated with a locking/sealing adhesive.
2. Other stainless steel hardware shall be 302HQ corrosion resistant stainless steel.
3. Non stainless steel hardware shall be zinc plated grade 5 steel.
4. Threaded Post Nut Inserts [Nucleus, Voltage, Little Buddies] shall be a corrosion resistant threaded insert crimped into post. Inserts shall be precision CNC located and factory installed for all attachment points.

D. Rotationally Molded Plastic Parts, shall be manufactured from color compounded, linear, low-density polyethylene with an average of .250" wall thickness and textured non-sliding surfaces. Plastic parts shall be UV stabilized to UV-16 and shall have a density of 0.935 per ASTM D-1505. Plastic parts shall have a tensile strength at yield no less than 2500 psi with flexural modulus of 87,200 psi.

E. HDPE plastic panel parts shall be precision cut from a single solid sheet of either .50" or .75" thick UV-stabilized extruded high-density polyethylene with colors molded in, with a durable matte finish. The material will have a density of 59.6 lbs/cu.ft. and a tensile strength of 4000psi. All edges shall be rounded or chamfered for safe play.

F. Play Mats are 100% recycled rubber buffing's bonded with urethane.

G. Posts, steel [Nucleus, Voltage, Little Buddies, Synergy] shall be cold-formed steel tubing with a yield test of at least 50,000 psi and a tensile strength of at least 55,000 psi. Tube members shall comply with ASTM A-135 and ASTM A-500 Grade B minimum and shall be tested according to ASTM E-8.

1. Tubing Exteriors shall be triple coated for maximum exterior protection: galvanized, then coated with a chromate conversion coating and finished with a baked-on powder-coat.
2. Tubing interiors shall be coated with a corrosion resistant zinc-rich coating.
3. Tubing and cap finished with a baked-on powder coating.
4. Standard posts shall be an assembly consisting of the galvanized steel tubing with a cast aluminum cap factory installed in the post with 1/8" x 15/32" stainless steel pinned aluminum drive rivets.
5. Posts [Nucleus, Intensity] shall be 5" OD x 11 GA galvanized steel tubing.
6. Posts [Little Buddies] shall be 2 3/8" OD x 12 GA galvanized steel tubing.
7. Posts [Voltage, Synergy] Post shall be 3 1/2" OD x 11 GA galvanized steel tubing.

H. Posts, aluminum [Nucleus, Voltage, Intensity, Synergy] shall be extruded aluminum tubing with a yield test of at least 35,000 psi and a tensile strength of at least 38,000 psi. Tube members shall comply with and shall be tested according to ASTM B-221. Standard posts shall be an assembly consisting of the extruded aluminum tubing with a cast aluminum cap factory installed in the post with 1/8" x 15/32" stainless steel pinned aluminum drive rivets.

1. Posts [Nucleus, Intensity] shall be 5" OD x 1/8" wall thickness aluminum tubing.
2. Posts [Synergy, Voltage] Post shall be 3 1/2" OD x 1/8" wall thickness aluminum tubing.

2.02 Descriptions of Coatings

A. PVC Coating (Poly-Vinyl Chloride): Prior to coating, each part shall be chemically washed, submerged in a heat-activated primer and dried. After drying, each part shall be pre-heated to a temperature no less than 350° F and immersed in liquid PVC. Play/usage surfaces shall have coating thickness of .085-.150 in. Park and site surfaces (i.e. benches, picnic tables) shall have coating thickness of .050-.080 in. PVC shall comply with California Assembly Bill #1108 by having a concentration that does not exceed 0.1% of the following phthalates; DINP, DIDP, DnOP, DEHP, or BBP. This formulation is also free of heavy metals such as Lead and Cadmium. The PVC shall have:

1. Tensile strength of no less than 1830 psi per ASTM 412.
2. Elongation of no less than 350% per ASTM 412.
3. Tear strength of no less than 250 lb./in. per ASTM 624.
4. Hardness of 75 +/- 3 (Durometer, Shore A) per ASTM 2240.



137-139520-2

**January 27, 2022
2022 Pricing**

5. UV stabilizer shall be added to PVC to withstand one year in a QUV panel tester without any significant color drift.
6. Burn Rate will meet or exceed Federal Safety Standard MVSS 302. This is the same as a UL 94 HB rating.

B. Powder Coating – Standard and Super Durable colors: All metal parts will be coated with a two-part powder coat system that consists of a primer and a top coat. Powder coating is electrostatically applied at a thickness of 3 to 6 mils (.003 - .006). Prior to powder coating, all parts shall be cleaned and pretreated with a 5 stage non-phosphate and non-chromic process. The primer is cured before applying the top coat which is a polyester/TGIC powder coating with superior color-, gloss-, and UV stabilizers. Note: Top coat may be Standard or Super Durable powder coating depending on specific color availability. Finish quality conforms to ASTM Specifications and will have the following properties:

1. Adhesion: No less than 5B [The edges of the cuts are completely smooth; none of the squares of the lattice is detached.] (cross hatch/tape adhesion test per ASTM D3359 Method B).
2. Hardness: No less than 2H (pencil hardness test per ASTM B3363).
3. Resistance to Impact: Cracking at the perimeter of the concave area, but no cracking pick off from 80 in/lb direct or reverse impact (ASTM D2794).
4. Resistance to Bending: No visible cracking (1/8" bending test per ASTM 522).
5. Degree of Gloss: No less than 80% reflected (specular gloss test at 60° per ASTM D523).
6. Resistance to Salt Spray (Standard colors): No more than 1/8" undercutting and no blistering in 1000 hours (salt spray test per ASTM B117)
7. Resistance to Humidity (Standard colors): No more than 1/8" undercutting and no blistering in 1000 hours (humidity test per ASTM D2247)

Further properties for specific Super Durable colors:

8. Resistance to Acid Salt Spray (Super Durable colors): No more than 1/32" undercutting and no blistering in 3000 hours (salt spray test per ASTM G85 Annex 5).
9. Resistance to Humidity (Super Durable colors): No more than 1/32" undercutting and no blistering in 3000 hours (humidity test per ASTM D2247)
10. Weathering (Super Durable colors): No less than 4 (tested per EN 20105-A02)
11. Light fastness (Super Durable colors): No less than Grade 7 (tested per EC ISO 105-B02)

C. Corrosion protection: All metal parts will either have inherent corrosion protection such as stainless steel, aluminum or galvanized steel, or they will be pre-treated prior to powder coating with either an e-coat or zinc clear chromate coating for superior corrosion protection.

2.03 Barriers & Enclosures



137-139520-2

**January 27, 2022
2022 Pricing**

A. Center Mount Enclosure [Nucleus, Voltage] One piece all welded construction consisting of 3 1/2" OD X 11 GA, 1.315" OD X 12 GA & 1.029" x 14 GA galvanized steel tubing and 10 GA galvanized sheet. Finished with a baked-on powder coating.

B. Clubhouse Enclosures [Nucleus]

1. Clubhouse Full Board Panel and Clubhouse Half Board Panel consists of 3/4" recycled HDPE with wood grain texture, 1.315" OD x 14 GA galvanized steel tubing and zinc plated steel nut inserts. Finished with a baked-on powder coating, and castings made of A356-T6 aluminum, heat-treated. Finished with baked on powder coating. The hardware package contains stainless steel button head cap screws, nuts, and washers; and aluminum rivets with 302 stainless steel pin.
2. Clubhouse Upper Board Panel consists of 3/4" recycled HDPE with wood grain texture, bracket that is one piece all welded construction consisting of 10 GA galvanized sheet steel and a formed 3/16" stainless steel plate, finished with baked on powder coating. The hardware package contains stainless steel button head cap screws, washers and barrel nuts.

C. Enclosures [Little Buddies] 3/4" co-extruded H.D.P.E.

D. Enclosures and Stanchions [Synergy Imagination] 3/4" co-extruded HDPE face mounted to 3 1/2" OD posts. Filler bracket consisting of 1/2" extruded HDPE and a bracket consisting of 1 3/4" SQ X 12 GA galvanized steel tubing finished with a baked-on powder coating. One-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

E. Enclosures, Climbers, Climbers 2-5 [Synergy] Synergy side enclosure shall be one-piece welded construction consisting of 1.315" OD galvanized tubing and 7 GA stainless steel brackets. Finished with a baked-on powder coat.

F. Enclosures and Stanchions [Nucleus, Synergy, Voltage] One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts. Finished with a baked-on powder coating.

G. Enclosure, Offset [Nucleus, Voltage] One piece all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA galvanized steel tubing, 10 GA galvanized sheet and HDPE threaded inserts. Finished with a baked-on powder coating.

H. Enclosure, Offset [Synergy] One piece all welded construction consisting of 1.315" OD x 14 GA, 12 GA and 1.029" OD x 14 GA galvanized steel tubing and 7 GA stainless steel brackets finished with a baked-on powder coating.

I. Evolution Barriers and Enclosures [Nucleus] Shall consist of a weldment that is one piece all welded construction consisting of 1.315" OD X 12 GA galvanized steel tubing, 1.315" OD X 14 GA galvanized steel tubing, 13/16" OD X 15 GA or 1.029" OD x 14 GA galvanized steel tubing, and 8 GA and 10 GA galvanized steel plating, which is finished with a baked-on powder coating. The barriers shall have panel that are made of either 3/4" extruded HDPE or 3/4" co-extruded HDPE. There shall be castings that are

A356-T6 aluminum, heat-treated, which are finished with a baked-on powder coating. All hardware shall be stainless steel nuts, screws, and washer.

J. Evolution Stairway and Bridges [Nucleus] Shall consist of a weldment that is one piece all welded construction consisting of 1.315" OD X 12 GA galvanized steel tubing, 1.315" OD X 14 GA galvanized steel tubing, 13/16" OD X 15 GA or 1.029" OD x 14 GA galvanized steel tubing, and 8 GA and 10 GA galvanized steel plating, which is finished with a baked-on powder coating. The barriers shall have panel that are made of either 3/4" extruded HDPE or 3/4" co-extruded HDPE. There shall be castings that are A356-T6 aluminum, heat-treated, which are finished with a baked-on powder coating. All hardware shall be stainless steel. One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides and gussets. PVC coated after fabrication.

K. Internal Barrier [Voltage] Shall consist of four separate parts each being all welded construction consisting of 1.660" OD x 12 GA and 1.315" OD x 14 GA galvanized steel tube and 10 GA galvanized steel plate finished with a baked on powder coating.

L. Pipe Walls, Nature Play Pipe Wall [Nucleus, Voltage, Little Buddies] One piece, all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA formed galvanized steel plate. Finished with a baked-on powder coating.

M. Pipe Wall with Steering Wheel or Telescope mount [Synergy] One piece, all welded construction consisting of 1.315" OD x 14 GA and 1.029" OD x 14 GA, galvanized steel tubing, and 1 1/2" x 1/2" x 10 GA formed galvanized steel plate and 304 SS machined shaft and 7 GA stainless steel brackets, and 1.135" OD galvanized tubing and 7GA stainless steel brackets and threaded insert. Finished with a baked-on powder coating.

N. Platform Barrier [Synergy, Nucleus] barrier panel shall be 3/4" co-extruded HDPE. Hardware package shall be stainless steel screws, nuts & washers.

O. Pipe Wall [Little Buddies] One piece all welded construction consisting of 1.315" OD x 14 GA wall and 1.029" OD x 14 GA wall galvanized tubing, 1 1/2" x 1/2" x 1/8" HR steel channel and zinc coated grade 32510 malleable iron mounting lugs. Finished with a baked-on powder coating.

P. Slotted Barrier [Nucleus, Voltage, Little Buddies] 3/4" co-extruded H.D.P.E.

Q. Stanchion [Little Buddies] One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and zinc coated grade 32510 malleable iron mounting lugs. Finished with a baked-on powder coating.

2.04 Brackets

A. Panel Brackets [Synergy, Voltage] for accessible reach panels, upper board panels and battlement panels shall be one piece all welded construction consisting of 7 GA stainless steel formed plate and 8 GA galvanized sheet steel finished with a baked-on powder coating.

- B. Mounting Brackets [Voltage] Bracket shall be one piece all welded construction consisting of 3/16" stainless steel plate and 1.029" OD x 14 GA or 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.
- C. Mounting Tubes [Little Buddies] Tube shall be one piece all welded construction consisting of 1.315" OD x 14 GA galvanized steel tubing and a stainless steel threaded insert. Finished with a baked-on powder coating.
- D. Mounting Tubes [Synergy, Voltage, Nucleus] Tube shall be one piece all welded construction consisting of a 1.315 OD x .083" wall galvanized tube and a 12L14 steel threaded insert. Finished with a baked-on powder coating.
- E. Panel Mounting Tubes [Synergy, Voltage] Tube shall be one piece all welded construction consisting of 3/16" stainless steel plates and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked-on powder coating.
- F. Slide Entrance Brackets [Voltage, Nucleus, Synergy] Bracket shall be 14 GA galvanized steel plate finished with a baked-on powder coating.
- G. Steering Wheel Mount Bracket [Voltage, Little Buddies] and Post-Mounted Ship's Wheel Bracket [Nucleus] Bracket shall be one piece all welded construction consisting of a 3/16" stainless steel plate and a stainless-steel threaded shaft. Finished with a baked-on powder coating.

2.05 Bridges

- A. Arched Bridge [Nucleus, Voltage, Synergy], Mini Arched Bridge [Nucleus, Voltage, Little Buddies] One piece all welded construction consisting of 12 GA HRPO steel and PVC coated after fabrication. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.
1. Barriers [Nucleus, Voltage,] shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.
 2. Barriers [Synergy] shall be one piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and formed 7 GA stainless steel plate.
 3. Barriers [Little Buddies] shall be 3/4" extruded H.D.P.E.
 4. Guardrails [Nucleus, Voltage] shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.
- B. Arched Catwalk Bridge [Nucleus, Voltage] One piece all welded construction consisting of 12 GA HRPO steel surfaces with 12 GA sides and gussets [Voltage] or 7 GA sides and gussets [Nucleus] and PVC coated after fabrication. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate, finished with a baked-on powder coating. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.



137-139520-2

**January 27, 2022
2022 Pricing**

C. Buckle Bridge [Nucleus, Voltage] Plank connectors shall be 304 stainless steel finished with a baked-on powder coating. Bushings shall be oil-impregnated SAE 841 bronze, Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating. Entrance planks and planks shall be one piece all welded construction consisting of a 12 GA HRPO steel surface, 1/4" HR steel sides, and 303 annealed stainless steel threaded studs. PVC coated after fabrication.

1. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.
2. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked-on powder coating.

D. Conveyor Belt Bridge [Voltage] Hanger plates shall be 7 GA HRPO steel and finished with a PVC coating. Belt hangers shall be one piece all welded construction consisting of 7 GA HRPO steel and weld studs. Finished with a PVC coating. Rubber belt shall be 3/8" nylon belted rubber.

1. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and grade 32510 malleable iron support pins. Finished with a baked-on powder coating.

E. Deck to Deck Plank [Nucleus, Voltage, Little Buddies, Synergy] Plank steps shall be 3/4" co-extruded H.D.P.E. Deck to deck plank shall be one piece all welded construction consisting of 12 GA HRPO steel and PVC coated after fabrication. Handholds shall be one piece all welded construction consisting of 1.029" OD x 14 GA galvanized steel tubing and 14 GA galvanized steel and finished with a baked-on powder coating. Anchor tubes shall be 1.315" OD x 12 GA galvanized steel tubing and finished with a baked-on powder coating.

F. Straight Bridge [Nucleus, Voltage] One piece all welded construction consisting of 12 GA surfaces and 11 GA gussets. PVC coated after fabrication. Spacer casting shall be 356-T6 aluminum, heat treated with a baked-on powder coating.

1. Barriers shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.
2. Guardrails shall be one piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked-on powder coating.

2.06 "Z" BALANCE BEAM

A. 3" SQUARE END CAP: 3/4" extruded HDPE.

B. ZIG ZAG BALANCE BEAM 4': -



137-139520-2

**January 27, 2022
2022 Pricing**

C. EXIT SUPPORT: 1.660" OD x 13 GA galvanized steel tubing finished with a baked on powder coating.

2.07 3-IN-A-ROW RING PANEL

A. 3-IN-A-ROW RING PANEL ASSEMBLY: Assembly consisting of a ring attachment weldment finished with powdercoat, 1/2" and 3/4" extruded HDPE and stainless steel hardware fasteners.

2.08 40" TRANSITION STAIR W/BARRIERS

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. TOP STAIR BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

C. 40" TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, malleable iron plug and 10 GA galvanized steel plate. Finished with a baked on powder coating.

D. BOTTOM STAIR TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

E. 40" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

2.09 8" CLOSURE PLATE, ELLIPSE

A. 8" CLOSURE PLATE, ELLIPSE: 10 GA. Galv. Sheet

2.10 ARA SQUARE SHADE CANOPY

A. RAFTER, ARA SHADE: One piece welded construction of 2.375" OD 10 GA and 2.375" OD 12 GA galvanized steel tubing, formed 7 GA stainless steel plate, 14 GA galvanized steel plate, and machined stainless steel connector. Finished with a baked on powder coating.

B. SUPPORT BRACE: One piece welded construction of 2.375" OD 10 GA galvanized steel tubing and formed 7 GA stainless steel plates. Finished with a baked on powder coating.

C. BRACKET, 25 DEG: One piece welded construction of formed 7 GA stainless steel plate and machined stainless steel connector. Finished with a baked on powder coating.

D. LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

E. ARA SQUARE SHADE TOP SAIL: Monofilament and tape construction high density polyethylene knitted shade fabric with woven polyester webbing and vinyl reinforcements, vinyl covered galvanized cables, zinc-plated copper cable fasteners, hot galvanized dipped turnbuckle, and stainless steel dee rings. Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

F. ARA SQUARE SHADE BOTTOM SAIL: Monofilament and tape construction high density polyethylene knitted shade fabric with woven polyester webbing and vinyl reinforcements, vinyl covered galvanized cables, zinc-plated copper cable fasteners, hot galvanized dipped turnbuckle, and stainless steel dee rings. Performance Specification: Shade Canopy shall withstand uplift values of 19.63 PSF at a maximum of 90 MPH wind speed.

G. 1/2" X 6" EYE-EYE TURNBUCKLE ASSEMBLY: Hot dipped galvanized steel eye-eye turnbuckle assembly with split lock washers and hex nuts.

H. UPPER POST ASSY 5" OD X 31 3/4": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

I. UPPER POST ASSY 5" OD X 84 1/2": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

2.11 ATHLETIC ARCH OH

A. OVERHEAD BEAM, ATHLETIC ARCH: One piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA galvanized steel plate. Finished with a baked on powder coating.

2.12 BEE PANEL, BELOW PLATFORM

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. BUMBLE BEE: 3/4" co-extruded HDPE.

C. BEE PANEL: 3/4" Co-extruded HDPE

D. STANDOFF: 1/2" OD threaded stainless steel

2.13 CAR PANEL, BELOW PLATFORM

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. BRONZE BEARING .377 X .75 X .75: Oil impregnated, bronze.

C. KNOB: 3/4" extruded HDPE.



137-139520-2

**January 27, 2022
2022 Pricing**

- D. CAR PANEL: 3/4" Co-extruded HDPE
- E. CAR PANEL LEVER: 3/4" Extruded HDPE.
- F. CAR PANEL KNOB: 3/4" Co-extruded HDPE
- G. STANDOFF: 1/2" OD threaded stainless steel
- H. KING PIN, 7/8" DIA. X 2 1/4" : 304 Stainless Steel
- I. STANDOFF, 13/16": 1/2" OD threaded stainless steel tubing.
- J. STEERING WHEEL ASSEMBLY: Assembly Consisting of a one piece all welded steering wheel made of 14 GA spun steel and 1 3/8" OD Steel Tube and a bronze bearing. Steering wheel is PVC coated after fabrication.

2.14 CHARADE RING PANEL

- A. CHARADE PANEL ASSEMBLY: Assembly consisting of a ring attachment weldment finished with powdercoat, 1/4" LLDPE double wall rotationally molded panel, 1/4" clear polycarbonate window, 1/2" extruded HDPE, extruded HDPE and acetal and stainless steel balls all assembled together with stainless steel hardware.

2.15 COLLISION RING PANEL

- A. COLLISION RING ASSEMBLY: Assembly consisting of 1/4" clear polycarbonate window, 1/4", 1/2" and 3/4" extruded HDPE, co-extruded HDPE all assembled together with stainless steel hardware.

2.16 CRAZY MAZE 2-SIDED PLAY PANEL, BELOW PLATFORM

- A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- B. CRAZY/ FINGER MAZE PANEL: 3/4" Co-extruded HDPE

2.17 LUGE SLIDE, 48"-56"

- A. CASTING, 90 DEGREE BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- B. TUBE 1.315" OD X 48 3/4": 1.315" OD X 12 GA galvanized tubing. Finished with a baked on powder coating.
- C. DOUBLE SLIDE HOOD: Double wall, linear low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.
- D. SLIDE, LUGE: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.



137-139520-2

**January 27, 2022
2022 Pricing**

E. SUPPORT,SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

F. HOOD MOUNT BRACKET 1.315" X 4 3/8": 10 gage mounting plate welded to 1.315" OD tubing. Finished with baked on powder coat.

G. LUGE SLIDE MID SUPPORT: One piece all welded construction consisting of 2 3/8" OD x 10 GA galvanized steel tubing and 2 1/2" x 1 1/2" x 3/16" HRS angle. Finished with a baked on powder coating after fabrication.

2.18 NATURE PLAY PIPE WALL

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. NATURE PLAY PIPE WALL: One piece all welded construction consisting of 1.315" OD galvanized tubing, 12 GA galvanized plating, and 1.029" OD galvanized tubing. Finished with baked on powder coat.

2.19 NOVO ARC BENCH

A. PANEL, NOVO ARC BENCH SEAT: 3/4" Extruded HDPE

B. WELDMENT, POST 3 1/2" OD X 46 13/16": One piece all welded construction consisting of 3 1/2" OD x 8 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

C. WELDMENT, NOVO ARC BENCH SEAT: One piece all welded construction consisting of 1.315" OD x 14 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

2.20 NOVO TEARDROP COUNTER CLIMBER

A. PANEL, NOVO COMMA COUNTER: 3/4" Extruded HDPE

B. WELDMENT, POST 5" OD X 70 5/16": One piece all welded construction consisting of 5" OD x 11 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

C. WELDMENT, NOVO COUNTER TOP: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized tubing and 12 GA galvanized sheet steel. Finished with a baked on powder coating.

2.21 NPPS SUPERVISION SAFETY KIT

A. NPPS DVD: National Program for Playground Safety Supervision safety kit including training manual, training DVD, and supervision fanny pack with supplies.

2.22 ODYSSEY POST LINK DOUBLE



137-139520-2

**January 27, 2022
2022 Pricing**

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. ODYSSEY POST LINK : Weldment consisting of formed 1.315" OD x 12 GA galvanized tubing. Finished with a baked on powder coat finish.

2.23 OFFSET ENCLOSURE

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. S5 OFFSET ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA sheet steel. Finished with a baked on powder coating.

2.24 OVISTEP LAUNCH PAD

A. OVISTEP LANDING PANEL: 3/4" co-extruded HDPE.

B. BRACKET, STEP MOUNTING: One piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

2.25 PLAYHOUSE

A. ABSTRACT SPINNER: 3/4" extruded HDPE

B. MOUSE PUCK: 3/4" co-extruded HDPE

C. FISH BOWL: 3/4" co-extruded HDPE

D. FISH PUCK: 3/4" co-extruded HDPE

E. WATER CAN: 3/4" co-extruded HDPE

F. PLAYHOUSE CONVEX ROOF: 1/2" extruded HDPE 3/4" extruded HDPE

G. PLAYHOUSE CONCAVE ROOF: 3/4" extruded HDPE

H. CHEESE BLOCK: 3/4" extruded HDPE

I. 1.315" OD MIDDLE ROOF BEAM: One piece welded construction consisting of 1.315" OD X 14 GA galvanized steel tubing with stainless steel inserts finished with a baked-on powder coating.

J. 1.90" OD X 11 GA END SUPPORT TUBE "E": One piece welded construction consisting of 1.90" OD galvanized steel tubing, 8 GA galvanized steel plate and stainless steel inserts finished with a baked-on powder coating.



137-139520-2

**January 27, 2022
2022 Pricing**

- K. 1.90" OD X 11 GA PEAK SUPPORT TUBE: One piece welded construction consisting of 1.90" OD galvanized steel tubing, 8 GA galvanized steel plate and stainless steel inserts finished with a baked-on powder coating.
- L. 1 5/8 x 1 1/4 PLATE 10 GA: 10 GA galvanized steel plate finished with a baked on powder coating.
- M. COUNTER SUPPORT: Formed 8 GA. galvanized sheet steel finished with a baked on powder coating.
- N. 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "A": 1.90" OD X 11 GA galvanized steel tubing with stainless steel inserts finished with a baked-on powder coating.
- O. 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "B": 1.90" OD X 11 GA galvanized steel tubing with stainless steel inserts finished with a baked-on powder coating.
- P. 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "C": 1.90" OD X 11 GA galvanized steel tubing with stainless steel inserts finished with a baked-on powder coating.
- Q. 1.90" OD X 11 GA PLAYHOUSE SUPPORT TUBE "D": 1.90" OD X 11 GA galvanized steel tubing with stainless steel inserts finished with a baked-on powder coating.
- R. BRONZE BEARING .377 X .75 X .75: Oil impregnated, bronze.
- S. PANEL, 3-IN-A-ROW PUCK LOCK: 3/4" Extruded HDPE.
- T. 6 1/4" X 4 1/2" LARGE ELLIPTICAL WINDOW: 0.220" thick transparent acrylic sheet.
- U. FLOWER SPINNER: 3/4" Co-extruded HDPE.
- V. 8 1/4" X 6 3/8" LARGE ELLIPTICAL FRAME: 3/4" extruded HDPE
- W. 6 7/16" X 5 3/8" SMALL ELLIPTICAL FRAME: 3/4" extruded HDPE
- X. 3/4" HDPE COUNTER PANEL: 3/4" Extruded HDPE.
- Y. 1/2" HDPE SHELF: 1/2" Extruded HDPE.
- Z. WATER PUCK: 3/4" Co-extruded HDPE.
- AA. 3/4" HDPE SWIRL SPINNER: 3/4" Co-extruded HDPE.
- BB. 4 1/4" X 3 1/2" SMALL ELLIPTICAL WINDOW: 0.220" thick acrylic sheet.
- CC. PLAYHOUSE GARDEN PANEL: 3/4" co-extruded HDPE
- DD. PLAYHOUSE WINDOW/KITCHEN PANEL: 3/4" co-extruded HDPE
- EE. SIDE PANEL, WINDOW: 3/4" co-extruded HDPE



137-139520-2

**January 27, 2022
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FF. SIDE PANEL BASKETBALL/WINDOW: 3/4" co-extruded HDPE

GG. SIDE ENTRY PANEL: 3/4" co-extruded HDPE

HH. SIDE PANEL CLOCK/FLOWER: 3/4" co-extruded HDPE

II. 9" OD CLOCK PANEL: 3/4" co-extruded HDPE

JJ. 5" OD CLOCK PANEL: 3/4" co-extruded HDPE

KK. FLY PUCK: 3/4" co-extruded HDPE

LL. BASKETBALL SPINNER: 3/4" co-extruded HDPE

MM. CORNER SEAT: 3/4" extruded HDPE

NN. SHRUB: 3/4" co-extruded HDPE

OO. MAILBOX FLAG: 3/4" extruded HDPE

PP. BEE PUCK: 3/4" co-extruded HDPE

2.26 RAIN CRESCENT PANEL

A. NUCLEUS CRESCENT FRAME: One piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked on powder coating.

B. SINGLE POST ASSEMBLY, RAIN PANEL: 3/4" extruded HDPE, 1/2" extruded HDPE, injection molded HDPE bolt covers, polycarbonate windows, polycarbonate baffle plates, stainless steel balls, stainless steel ball bearings & stainless steel hardware.

2.27 SINGLE LEAF SEAT

A. LEAF BRACKET: One piece all welded construction consisting of a formed 3/16" stainless steel plate, 10 GA galvanized steel plate and 1.315" OD x 14 GA galvanized steel tubing. Finished with a baked on powder coating.

B. LEAF STEP: Cast aluminum alloy finished with a baked on powder coating.

2.28 SLIDE HOOD, LOW SIDE WALL

A. CASTING, FLAT PANEL: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

B. SLIDE HOOD: Linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Textured outside surface.



137-139520-2

**January 27, 2022
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- C. SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT: -
- D. SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT: -

2.29 SPINNER CRESCENT PANEL

- A. BRONZE BEARING .377 X .75 X .75: Oil impregnated, bronze.
- B. SPINNER: 3/4" Co-extruded HDPE.
- C. SPINNER PANEL: 3/4" Extruded HDPE.
- D. STEER WHEEL STANDOFF KPSL: 1 3/8" OD threaded cold rolled steel round.
- E. NUCLEUS CRESCENT FRAME: One piece welded construction consisting of 1.135" OD X 14 GA galvanized tubing, 10 GA galvanized tabs, and formed 7 GA stainless steel plates finished with a baked on powder coating.

2.30 SQUARE PLATFORM

- A. SQUARE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

2.31 TAKTIKS BOW CLIMBER

- A. GALVANIZED 4/0 CHAIN 12": 4/0 straight coil chain.
- B. ANCHOR TUBE: 1.315" OD x 12 GA galvanized steel tubing.
- C. POD: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.
- D. HOVER POD: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction.
- E. ROPE ASSEMBLY, TAKTIKS BOW: Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules with stainless steel threaded rods and screws.
- F. ROPE ASSEMBLY, TUBE TO EYE 12 3/4": 16mm rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers.
- G. regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers.
- H. strand consisting of 8 galvanized steel wires tightly covered with polyester fibers.
- I. Aluminum end connectors and ferrules.



137-139520-2

**January 27, 2022
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- J. BRACKET, ROPE CONNECTION: One piece all welded construction consisting of a formed 3/16" stainless steel plate and a 8 GA galvanized steel sheet. Finished with a baked on powder coating.
- K. WELDMENT, ROPE PLATFORM: One piece all welded construction consisting of formed 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.
- L. ARCHED BEAM, 96" WITH FOUR TABS: One piece all welded construction consisting of formed 2 3/8" OD X 10 GA galvanized steel tubing and 7 GA stainless steel sheet. Finished with a baked on powder coating.
- M. POD MOUNT, 1-SIDED STUB: One piece all welded construction consisting of formed 1.315" OD x 12 GA galvanized steel tubing, 10 GA galvanized steel sheet. Finished with a baked on powder coating.
- N.
- O. SPACER 1.13 OD X .25: 1/4" Nylatron GS.
- P. LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.
- Q. BRASS SPACER 7/16" OD X 1 1/4": Brass Tube 7/16" OD X .028" Wall

2.32 TRANSFER STATION, HANDRAIL 48"

- A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.
- B. 45 1/2" SINGLE POST SUPPORT: One piece welded construction consisting of 3.5" OD X 11 Ga galvanized tubing and a 1/4" HRS mounting plate finished with a baked-on powder coat.
- C. SINGLE POST TRANSFER PLATFORM: One piece welded construction consisting of 12 GA sheet steel, 1/4" HRS mounting plate and 4 1/2" X 11 Ga steel tubing finished with a PVC dipped coating.
- D. LEFT HANDRAIL 48": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- E. RIGHT HANDRAIL 48": One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.
- F. 32" ACCESSIBLE STAIR: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

2.33 TREE BRANCH CLIMBER 96"



137-139520-2

**January 27, 2022
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A. METAL CLIMBER: -

2.34 TRIANGLE PLATFORM

A. TRIANGLE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

2.35 UNITARY ENCLOSURE

A. CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

B. S5 UNITARY ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts. Finished with a baked on powder coating.

2.36 VELO XL SLIDE, 88"-96" W/O HOOD

A. VELO SLIDE 88"-96", SINGLE BEDWAY: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

B. SUPPORT,SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

C. SUPPORT, VELO SLIDE 88"-96" MID: One piece all welded construction consisting of 10 GA galvanized steel plate and 2 3/8" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

2.37 WAVER RING PANEL

A. WAVER PANEL ASSEMBLY: Assembly consisting of a 1/4" LLDPE double wall rotationally molded panel, 1/4" clear polycarbonate window, 1/2" extruded HDPE, extruded HDPE and acetal and stainless steel balls all assembled together with stainless steel hardware.

PART 3 EXECUTION

3.01 Site Preparation

A. All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 Installation

A. Install play structure in compliance with manufacturer's written instructions.

B. Install components in sequence as recommended by manufacturer.

C. Install play structure as indicated on the drawings provided.



137-139520-2

January 27, 2022

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D. Variations from the installation indicated must be approved.

E. Variations from the installation indicated and all costs for removal and replacement will be the responsibility of the contractor.

3.03 Cleaning

A. The contractor shall clean the jobsite of excess materials, including post hole excavations.

3.04 Demonstration

A. Instruct the owner's personnel on proper operation and maintenance of playground components.

END OF SECTION

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Laurel Ranch Conventional Homes

The Spanish architectural style features asymmetrical massing with low pitched hip or gable roofs covered in 'S'-shaped concrete tiles. The walls are stucco and feature arched openings. Gables are adorned with a recessed geometric floral pattern. Shaped trim pieces enhance the Entrances and add richness to the elevations. The vertically oriented windows have a 2-over-2 mullion pattern accented with simple trim at the top and bottom and decorative plank shutters. Feature windows are accented by pot shelves with shaped corbels. 16-panel garage doors and selected coach lights are appropriate for the Spanish style.

The Traditional Farmhouse style features asymmetrical massing with hip roofs and intersecting gables covered in flat slate-style concrete tile. The walls are stucco with shaped eaves and stone veneer along the base. Gables feature decorative recessed vents. Entrances feature wide porches with wood posts and decorative brackets. The vertically oriented windows have a 6-over-6 mullion pattern with 4-sided trim accented by enhanced trim at the headers. Feature windows include proportional decorative plank shutters with 'Z'-pattern or diamond cutouts and pot shelves with shaped corbels. 32-panel garage doors with decorative slats and selected coach lights are indicative of the Traditional Farmhouse style.

The Contemporary Farmhouse style features asymmetrical massing with low pitched hip and gable roofs covered in flat shake-style concrete tile. The walls are stucco and feature box bay windows with decorative paneling. Accent walls and gables are highlighted with board and batten siding in contrasting colors and band trim. Arches are used to identify Entryways. The vertically oriented windows have a 4-over-4 mullion pattern and are accented with 4-sided trim and proportional paneled shutters. Feature windows are accented by pot shelves with shaped corbels. 32-panel garage doors and selected coach lights further compliment the Contemporary Farmhouse style.



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Laurel Ranch Private Lane Homes

The Americana architectural style features asymmetrical massing with medium to steep pitched gable roofs covered in flat shake-style concrete tiles. The walls are a mix of stucco and vertical board and batten siding with decorative brick veneer and band trim to define the base. Entry porches feature wood posts with decorative brackets. The vertical windows have a 2-over-2 mullion pattern accented with 4-sided trim with enhanced trim pieces at the top and bottom and decorative louvered shutters. Feature windows are accented by pot shelves with shaped corbels. 16-panel garage doors and selected coach lights are indicative of the American style.

The Country European architectural style features asymmetrical massing with hip roofs and intersecting gables covered in flat slate-style concrete tile. The walls are stucco with stone veneer along the base for additional visual interest. Gables feature contrasting horizontal siding with shaped corbels. Entrances are defined by fully rounded arched openings or wide porches with wood posts and decorative brackets. The vertical windows have a 4-over-4 mullion pattern with 4-sided trim accented by enhanced trim at the headers. Feature windows include proportional decorative plank shutters with 'Z'-pattern and pot shelves with shaped corbels. 32-panel garage doors with decorative slats and selected coach lights complement the Country European style.

The West Coast Classic style features asymmetrical massing with low pitched gable and hip roofs covered in flat shake-style concrete tile. The walls are an articulated combination of stucco and horizontal siding with band trim and decorative stone veneer at the base. Gables are highlighted with vertical board and batten siding in contrasting colors and decorative outlookers. Porches identify the Entryways with tapered columns on stone bases. The vertical windows have a 3-over-1 mullion pattern and are accented with 4-sided trim. Feature windows are accented by pot shelves with shaped corbels. 32-panel garage doors and selected coach lights further enhance the West Coast Classic style.

Laurel Ranch:

Parks and Open Space:

The open space designs and layouts are consistent with the Design Guidelines approved in April 2016. We maintained the layout of the circulation patterns and features, making only a few alterations through the design development of integrating the grading and utility design.

Together the three separate open space parks create a variety of opportunity. Parcel B park is the gateway to the City's Delta DeAnza Trail system. A bench at the sidewalk provides a place for neighbors to meet up for a hike on the trail, or a place to cool down afterwards. This parcel initially proposed a lawn area, but the steep grade prevented us from providing a level area for play. The addition of the open space parcel at Lot 48, allowed us the opportunity to provide that level lawn area. In contrast to the larger Parcel A park, this smaller and more intimate park provides a more passive experience, with a walking path, bench seating, and smaller scale lawn for open play. The Parcel A park provides a large space for the neighborhood to gather. A colorful play structure serves as the focal point at the center of the park, surrounded by a large open lawn play area. The park provides bench seating for parents and others, as well as a shaded picnic area with barbecue for events and parties. A low rail fence borders the park and helps to provide separation from the park and the street.

Landscape and Architecture:

Throughout the project, emphasis was placed on selecting plants that will need minimal pruning and maintenance. The plant palette is comprised of California natives and other low water use plants that thrive in a Mediterranean climate. The plants are appropriately spaced so that they will grow to fill into the landscape at maturity. We are proposing a mixture of plant foliage colors and textures that will provide visual interest year-round.

The different elevational styles of the architecture will be enhanced by their front yard plantings. Care will be taken to use taller plants to frame entries and windows. Signature plants will be used to identify the different styles of the architecture. The Traditional Farmhouse style will be accented with more traditional flowering plants such as English Lavender and Lantana, while the Contemporary Farmhouse will feature more grasses and rushes such as Cape Rush and Atlas Fescue. Another example would be with the Spanish style, which would be highlighted with the Mediterranean selections of Mexican Sage and Dwarf Olive shrubs. These details will help to create character in the neighborhood and reinforce the varying architectural styles.

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