ARCHITECTURAL REVIEW BOARD
REGULAR MEETING AGENDA

Herndon Council Chambers Building
765 Lynn Street, Herndon, VA 20170

Wednesday, January 21, 2026 | 7:30 PM

1. **Call to Order**

2. **Organizational Meeting**

   a. Election of Officers

3. **Approval of Minutes**

   a. October 1, 2025, Architectural Review Board Work Session Minutes

   b. October 15, 2025, Architectural Review Board Regular Meeting Minutes

   c. November 19, 2025 Architectural Review Board Regular Meeting Minutes

   d. November 19, 2025, Architectural Review Board Work Session Minutes

4. **Comments**

   a. Comments from the Staff Members

   b. Comments from the Board Members

   c. Comments from Citizens
   Members of the public may, for one 3-minute period, provide public comments, requests, consent or general item comments, and comments on matters not included on the agenda.

5. **Public Hearings**

   a. APPLICATION FOR ALTERATION TO AN EXISTING STRUCTURE, ARB #25-005, 300 Elden Street, Herndon, Virginia, to consider an application for alterations including recladding a portion of the existing shopping center in a new material at the commercial property [applicant is requesting continuance of this item]

b. APPLICATION FOR NEW CONSTRUCTION, ARB #25-004, 749 Van Buren Street, Herndon, Virginia, to consider an application for the erection of new playground equipment and other minor site improvements on the public property known as Harding Park

c. APPLICATION FOR NEW CONSTRUCTION, ARB #25-006, 814 Ferndale Avenue, Herndon, Virginia, to consider an application for the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park

6. Adjournment

Architectural Review Board Regular Meeting
Agenda Item 2.a.

Agenda Item: **Election of Officers**

Meeting Date: January 21, 2026

Category: Organizational Meeting

Prepared by: Amanda Kertz, Town Clerk

Description:
In accordance with the Architectural Review Board Bylaws and Herndon Town Code Section 58-41, the ARB holds its election of officers annually at the first public hearing (regular meeting) of the Board in January. The Board will nominate and elect from its members a Chair and Vice Chair, elect a Secretary, and designate a Parliamentarian for one-year terms at the January 21, 2026, ARB regular meeting.

Background/Timing Impact:
N/A

Fiscal Impact:
N/A

Legal Impact:
Election of officers held in accordance with Architectural Review Board Bylaws and Herndon Town Code Section 58-41.

Staff Recommendation/Next Steps:
Staff recommends the Board nominate and elect from its members a Chair and Vice Chair, elect a Secretary, and designate a Parliamentarian for one-year terms.

Attachments:
1. Resolution (Proposed)

TOWN OF HERNDON, VIRGINIA
ARCHITECTURAL REVIEW BOARD

RESOLUTION

JANUARY 21, 2026

Resolution- **to elect the Officers and designate the Parliamentarian of the Architectural Review Board.**

BE IT RESOLVED by the Architectural Review Board of the Town of Herndon, Virginia that:

1. _____is elected Chair for a one-year term effective January 21, 2026.

2. _____ is elected Vice Chair for a one-year term effective January 21, 2026.

3. The Town Clerk or their designee is elected Secretary for a one-year term effective January 21, 2026.

4. The Town Attorney or their designee is designated Parliamentarian for a one-year term effective January 21, 2026.

Motion:
Second:
Re: **Chair of the Architectural Review Board**
Action: **_____ elected Chair of the Architectural Review Board**

Votes
Ayes:
Nays:

Motion:
Second:
Re: **Chair of the Architectural Review Board**
Action: **_____ elected Vice Chair of the Architectural Review Board**

Votes
Ayes:
Nays:

Motion:
Second:

Re: **Secretary of the Architectural Review Board**
Action: **The Town Clerk is elected Secretary of the Architectural Review Board**

Votes
Ayes:
Nays:

Motion:
Second:
Re: **Parliamentarian of the Architectural Review Board**
Action: **The Town Attorney is designated the Parliamentarian of the Architectural Review Board**

Votes
Ayes:
Nays:

Architectural Review Board Regular Meeting
Agenda Item 3.a.

Agenda Item: **October 1, 2025, Architectural Review Board Work Session Minutes**

Meeting Date: January 21, 2026

Category: Approval of Minutes

Prepared by: Amanda Kertz, Town Clerk

Description:
This is a request to approve the October 1, 2025, Architectural Review Board Work Session Minutes.

Background/Timing Impact:
N/A

Fiscal Impact:
N/A

Legal Impact:
Code of Virginia Section 2.2-3707 outlines the requirements for the recording of minutes for all public bodies.

Staff Recommendation/Next Steps:
Recommend approval as presented.

Attachments:
1. October 1, 2025, DRAFT ARB Work Session Minutes

TOWN OF Herndon VIRGINIA

HERNDON ARCHITECTURAL REVIEW BOARD
Work Session Minutes
Wednesday, October 1, 2025

1. Call to Order

Chair Blaker-Glass called the October 1, 2025, Architectural Review Board work session to order at 9:04 p.m. in the Town of Herndon Council Chambers Building, 765 Lynn Street, Herndon, Virginia. Board Members in attendance: Tamim Chowdhury, Amy Oleinick, Vice Chair Melody Fetske, Chair Leslie Blaker-Glass.

Board Member Triston O'Savio was absent.

Staff present during the meeting: Lauri Sigler, Deputy Town Attorney; Bryce Perry, Deputy Director of Community Development; Angelina Jones, Lead Planner; and Aaron Zoellick, Clerk of Boards and Commissions.

Chair Blaker-Glass determined there was a quorum with four Board Members present.

2. Public Hearings

a. APPLICATION FOR SIGNAGE, ARB #25-003, to consider an application for freestanding signage for the commercial property located near 139 Spring Street, Herndon, Virginia, on property established by Declaration of Sunset Business Condominium recorded in Deed Book 5876, page 13, among the Land Records of Fairfax County, Virginia.

Chair Blaker-Glass opened the review of the public hearing items.

Vice Chair Fetske read a disclosure statement into the record, indicating that she has an ownership interest in, and that she is the Secretary of, Friends of Elden Street Players, LLC, owner of unit at 269 Sunset Business Park II Condominium located in the building identified as BLOCK C in the application. In addition, the Elden Street Players, Inc., dba NextStop Theatre Company, own unit 267 Sunset Business Park II Condominium in that same block, and she is currently the Board President. She is able to participate in the consideration of this item, fairly, objectively, and in the public interest.

Chair Blaker-Glass called on Angelina Jones, Lead Planner, for the staff report. Ms. Jones provided an overview of the staff report and presentation dated October 1, 2025. Ms. Jones stated that this is an application for freestanding signage for the commercial property located near 139 Spring Street. Staff is withholding a recommendation pending discussion by the Board.

There was discussion among the Board Members and staff about the guidelines for the design of the proposed sign.

Chair Blaker-Glass recognized the applicant for comments.

The applicant's representative, Jennifer Daniel, was present and provided brief comments.

There was discussion among the Board Members and staff on this item, including: (1) whether any renderings were available that show a future design of the property; (2) the anticipated timeline for the property redesign; (3) alternative color and material options that may meet the applicant's goals; (4) whether elements of the building could be incorporated into the sign; (5) including landscaping with the design; (6) clarification on the illumination of the proposed sign; and (7) if aluminum would be an acceptable material.

Ms. Jones stated that if the applicant is able to present a design that meets the uniform sign standards, the application could be approved administratively.

3. Comments

a. Comments from the Staff Members

No comments were offered.

b. Comments from the Board Members

No comments were offered.

4. Adjournment

There being no further business, and without objection, Chair Blaker-Glass adjourned the October 1, 2025, Architectural Review Board work session at 9:38 p.m.

Amanda E.M. Kertz
Town Clerk

Minutes approved by Architectural Review Board : _____

Architectural Review Board Regular Meeting
Agenda Item 3.b.

Agenda Item: **October 15, 2025, Architectural Review Board Regular Meeting Minutes**

Meeting Date: January 21, 2026

Category: Approval of Minutes

Prepared by: Amanda Kertz, Town Clerk

Description:
This is a request to approve the October 15, 2025, Architectural Review Board Regular Meeting Minutes.

Background/Timing Impact:
N/A

Fiscal Impact:
N/A

Legal Impact:
Code of Virginia Section 2.2-3707 outlines the requirements for the recording of minutes for all public bodies.

Staff Recommendation/Next Steps:
Recommend approval as presented.

Attachments:
1. October 15, 2025, Draft ARB Regular Meeting Minutes

TOWN OF Herndon VIRGINIA

HERNDON ARCHITECTURAL REVIEW BOARD
Regular Meeting Minutes
Wednesday, October 15, 2025

1. Call to Order

Vice Chair Fetske called the October 15, 2025, Architectural Review Board regular meeting to order at 7:50 p.m. in the Town of Herndon Council Chambers, 765 Lynn Street, Herndon, Virginia. Board Members in attendance: Tamim Chowdhury, Amy Oleinick, Triston O'Savio, and Vice Chair Melody Fetske.

Chair Leslie Blaker-Glass was absent.

Staff present during the meeting: Lauri Sigler, Deputy Town Attorney; Angelina Jones, Lead Planner; and Aaron Zoellick, Clerk of Boards and Commissions.

Vice Chair Fetske determined there was a quorum with four Board Members present.

2. Approval of Minutes

a. May 7, 2025, Architectural Review Board Work Session Minutes

b. May 21, 2025, Architectural Review Board Regular Meeting Minutes

c. June 4, 2025, Architectural Review Board Work Session Minutes

d. July 2, 2025, Architectural Review Board Work Session Minutes

e. August 6, 2025, Architectural Review Board Work Session Minutes

Board Member Chowdhury moved to approve the minutes for the following sets of minutes for the Architectural Review Board: May 7, 2025, work session; May 21, 2025, regular meeting; June 4, 2025, work session; July 2, 2025 work session; and August 6, 2025 work session. Motion seconded by Board Member O'Savio. The question was called on the motion, which was carried by a 4-0 roll call vote. Board Members Chowdhury, Oleinick, O'Savio, and Vice Chair Fetske voted "Aye." Chair Blaker-Glass was absent.

3. Comments

a. Comments from the Staff Members

Angelina Jones, Lead Planner, provided an update on the agendas for the November Architectural Review Board meetings.

b. Comments from the Board Members

No comments were offered.

c. Comments from Citizens

No comments were offered.

4. Public Hearings

a. APPLICATION FOR SIGNAGE, ARB #25-003, to consider an application for freestanding signage for the commercial property located near 139 Spring Street, Herndon, Virginia, on property established by Declaration of Sunset Business Condominium recorded in Deed Book 5876, page 13, among the Land Records of Fairfax County, Virginia.

Certificates of Publication were filed from the Editor of the Fairfax County Times Newspapers, showing that notice of said public hearing items had been duly advertised in the Friday, September 26, 2025, and October 3, 2025 issues.

Vice Chair Fetske opened the public hearing and read a disclosure statement into the record, indicating that she may have a personal interest in this application, as she has an ownership interest in, and that she is the Secretary of, Friends of Elden Street Players, LLC, owner of unit at 269 Sunset Business Park II Condominium located in the building identified as BLOCK C in the application. In addition, the Elden Street Players, Inc., dba NextStop Theatre Company, own unit 267 Sunset Business Park II Condominium in that same block, and she is currently an Officer of the Board. She is able to participate in the consideration of this item, fairly, objectively, and in the public interest.

Vice Chair Fetske called on Angelina Jones, Lead Planner, for the staff presentation. Ms. Jones delivered the staff presentation dated October 15, 2025. Staff is recommending a continuation to the November 19, 2025, Architectural Review Board regular meeting at the applicant's request.

There was discussion among the Board Members and staff on this item, including: (1) the Board's willingness to work with the applicant; and (2) whether the applicant has provided an update on when requested materials will be provided to staff.

The applicant was not present.

No members of the public were in attendance.

The public hearing remained open.

Ms. Sigler advised that if the Board were to continue the item, it should be to a

date certain. She recommended the date set should be the next regular meeting on November 19, 2025.

Board Member O'Savio moved to continue ARB #25-003 to the November 19, 2025, Architectural Review Board regular meeting. Motion seconded by Board Member Chowdhury. The question was called on the motion, which was carried by a 4-0 roll call vote. Board Members Chowdhury, Oleinick, O'Savio, and Vice Chair Fetske voted "Aye." Chair Blaker-Glass was absent.

5. New Business

a. Resolution to establish the Architectural Review Board meeting schedule for January 1, 2026, to December 31, 2026

Vice Chair Fetske called on Lauri Sigler, Deputy Town Attorney, to provide an update on the resolution to establish the Architectural Review Board meeting schedule for 2026.

Ms. Sigler presented the proposed Architectural Review Board meeting schedule for 2026. Staff recommended approval as presented.

Vice Chair Fetske moved to the Board for discussion and action.

Board Member Oleinick moved to approve the Architectural Review Board meeting schedule for January 1, 2026, to December 31, 2026, as presented. Motion seconded by Board Member Chowdhury. The question was called on the motion, which was carried by a 4-0 roll call vote. Board Members Chowdhury, Oleinick, O'Savio, and Vice Chair Fetske voted "Aye." Chair Blaker-Glass was absent.

6. Adjournment

There being no further business, and without objection, the October 15, 2025, Architectural Review Board regular meeting adjourned at 8:08 p.m.

Amanda E.M. Kertz
Town Clerk

Minutes approved by the Architectural Review Board: _____

[Note: Approved resolutions and ordinances are on file in the Department of Community Development.]

Architectural Review Board Regular Meeting
Agenda Item 3.c.

Agenda Item: **November 19, 2025 Architectural Review Board Regular Meeting Minutes**

Meeting Date: January 21, 2026

Category: Approval of Minutes

Prepared by: Amanda Kertz, Town Clerk

Description:
This is a request to approve the November 19, 2025 Architectural Review Board Regular Meeting Minutes.

Background/Timing Impact:
N/A

Fiscal Impact:
N/A

Legal Impact:
Code of Virginia Section 2.2-3707 outlines the requirements for the recording of minutes for all public bodies.

Staff Recommendation/Next Steps:
Recommend approval as presented.

Attachments:
1. November 19, 2025, Draft ARB Regular Meeting Minutes

TOWN OF Herndon VIRGINIA

HERNDON ARCHITECTURAL REVIEW BOARD
Regular Meeting Minutes
Wednesday, November 19, 2025

1. Call to Order

Chair Blaker-Glass, called the November 19, 2025, Architectural Review Board regular meeting to order at 7:32 p.m. in the Town of Herndon Council Chambers Building, 765 Lynn Street, Herndon, Virginia. Board members in attendance: Amy Oleinick, Vice Chair Melody Fetske, and Chair Blaker-Glass.

Board member Tamim Chowdhury was absent.

Staff present during the meeting: Lauri Sigler, Deputy Town Attorney; Angelina Jones, Lead Planner; Aaron Zoellick, Clerk of Boards and Commissions, and Becky Skillin, Deputy Town Clerk.

Chair Blaker-Glass determined there was a quorum with three Board Members present.

2. Approval of Minutes

a. October 1, 2025, Architectural Review Board Work Session Minutes

b. October 15, 2025, Architectural Review Board Regular Meeting Minutes

3. Comments

a. Comments from the Staff Members

Ms. Jones provided an update on December Historic District Review Board and Architectural Review Board agendas.

b. Comments from the Board Members

Vice Chair Fetske stated that she attended a certified local government training workshop on November 14 put on by the Virginia Department of Historic Resources State Historical Society, the state historic preservation office, and it provided helpful information on the application for historic properties.

Ms. Jones stated that she will provide materials from the workshop.

c. Comments from Citizens

No comments were offered.

4. Public Hearings

a. APPLICATION FOR SIGNAGE, ARB #25-003, to consider an application for freestanding signage for the commercial property located near 139 Spring Street, Herndon, Virginia

Certificates of Publication were filed from the Editor of the Fairfax County Times newspapers, showing that notice of said public hearing items had been duly advertised in the Friday, September 26, 2025 and October 3, 2025 issues.

Chair Blaker-Glass opened the public hearing.

Vice Chair Fetske read a disclosure statement into the record. She indicated that on October 19, 2025, she was elected to the Sunset Business Park Condominium II Association board. Although she does not receive remuneration for service on the board, since the Association is the property owner for this application, she has a personal interest in the transaction, and will recuse and disqualify herself from the public hearing and deliberation on this item. She will also refrain from discussing this matter with other governmental officers or staff.

Lauri Sigler, Deputy Town Attorney, provided a statement regarding the board being able to hear ARB #25-003 with only two members present consistent with the Virginia Conflict of Interest Act Sec. 2.2-3112(D).

Chair Blaker-Glass recognized Angelina Jones, Lead Planner, who delivered the staff presentation dated November 19, 2025. Ms. Jones stated that this is an application for freestanding signage for a commercial property located near 139 Spring Street. Ms. Jones provided an updated proposed resolution to the Board Members. Staff recommended approval of ARB #25-003 in accordance with the proposed resolution.

Chair Blaker-Glass invited the applicant or applicant’s representative forward for comments.

The applicant's representative, Jennifer Daniel, was present.

There was a discussion among the Board Members, the applicant, and staff on this item, including: (1) whether the sign could be fabricated with internal legs; and (2) if VDOT has released that portion of land back to the Town of Herndon.

Chair Blaker-Glass invited members of the public to provide comment.

No comments were offered.

Board Member Oleinick moved to approve Concept A, with the stated conditions, for the Application for Signage, ARB #25-003. Motion seconded by Chair Blaker-

Glass. The question was called on the motion, which was carried by a 2-0 roll call vote. Board Member Oleinick and Chair Blaker-Glass voted "Aye." Board Member Fetske recused herself from the vote on this item.

5. Adjournment

There being no further business, and without objection, Chair Blaker-Glass adjourned the November 19, 2025, Architectural Review Board regular meeting at 7:58 p.m.

Amanda E.M. Kertz
Town Clerk

Minutes approved by Architectural Review Board: _____

[Note: Approved resolutions are on file in the Department of Community Development.]

Architectural Review Board
Regular Meeting
Agenda Item 3.d.

Agenda Item: **November 19, 2025, Architectural Review Board Work Session Minutes**

Meeting Date: January 21, 2026

Category: Approval of Minutes

Prepared by: Amanda Kertz, Town Clerk

Description:
This is a request to approve the November 19, 2025, Architectural Review Board Work Session Minutes.

Background/Timing Impact:
N/A

Fiscal Impact:
N/A

Legal Impact:
Code of Virginia Section 2.2-3707 outlines the requirements for the recording of minutes for all public bodies.

Staff Recommendation/Next Steps:

Attachments:
1. November 19, 2025, ARB Work Session Draft Minutes

TOWN OF Herndon VIRGINIA

HERNDON ARCHITECTURAL REVIEW BOARD
Work Session Minutes
Wednesday, November 19, 2025

1. Call to Order

Chair Blaker-Glass called November 19, 2025, Architectural Review Board work session to order at 8:05 p.m. in the Herndon Council Chambers Building, 765 Lynn Street, Herndon, Virginia. Board Members in attendance: Amy Oleinick, Vice Chair Melody Fetske, and Chair Leslie Blaker-Glass.

Board Member Tamim Chowdhury was absent.

Staff present during the meeting: Lauri Sigler, Deputy Town Attorney; Angelina Jones, Lead Planner; Becky Skillin, Deputy Town Attorney; and Aaron Zoellick, Clerk of Boards and Commissions.

Chair Blaker-Glass determined there was a quorum with three members present.

2. New Business

[Note: these agenda items were moved from the previously scheduled November 12, 2025, work session, which was not held due to lack of a quorum.]

a. Discussion - Pre-application ARB case, 13100 & 13150 Worldgate Drive

Chair Blaker-Glass opened the discussion and called on Angelina Jones, Lead Planner, for the staff report. Ms. Jones delivered the staff presentation dated November 19, 2025, and began the discussion about the properties located 13100 and 13150 Worldgate Drive.

The applicant, Matt Bonifant, was present, and provided brief comments on the application.

There was a discussion between Board Members, the applicant, and staff on this item, including: (1) clarification on changes the applicant made since this item was last discussed; (2) clarification on staff comments; (3) how the updated design differs from the proffered elevations; (4) whether there is a site plan that shows vegetation; (5) clarification on design options for the proposed rear balconies; and (6) clarification on whether the 2-D renderings are the updated elevations.

b. Discussion - Architectural Review for ZMA#24-001, 250 Exchange Place

Chair Blaker-Glass opened the discussion and called on Angelina Jones, Lead Planner, for the staff presentation. Ms. Jones delivered the staff presentation dated

November 19, 2025, and began the discussion of the property located at 250 Exchange Place.

The applicants, Ken Wire, Jake Ballard, and Carole Twitmyer were present, and provided brief comments on the presentation.

There was discussion among the Board Members, applicants, and staff regarding this item, including: (1) clarification of the definition of “transparency”; (2) the need for greater specificity in some areas of the standards; (3) clarification on when gabled roofs are permitted and the incorporation of parapets; (4) concerns over restrictions and transparency requirements on tertiary elevations; (5) concern that the final product may not align with the design’s intent; (6) concern that a future developer will follow an approved plan; (7) the need for flexibility in the standards, particularly with respect to prohibitions on vinyl windows and doors; (8) concerns regarding requirements to screen roof pitches; (9) concerns regarding cladding masonry calculation requirements; (10) the need for the Board to determine whether an application meets the intent of the standards; and (11) confirmation that the application is ready to be reviewed by the Planning Commission.

3. Comments

a. Comments from the Staff Members

No comments were offered.

b. Comments from the Board Members

No comments were offered.

4. Adjournment

There being no further business, and without objection, Chair Blaker Glass adjourned the November 19, 2025, Architectural Review Board work session at 9:20 p.m.

Amanda E.M. Kertz
Town Clerk

Minutes approved by Architectural Review Board: _____

Architectural Review Board Regular Meeting
Agenda Item 5.a.

Agenda Item: **APPLICATION FOR ALTERATION TO AN EXISTING STRUCTURE, ARB #25-005, 300 Elden Street, Herndon, Virginia, to consider an application for alterations including recladding a portion of the existing shopping center in a new material at the commercial property [applicant is requesting continuance of this item]**

Meeting Date: January 21, 2026

Category: Public Hearings

Prepared by: Angelina Jones, Lead Planner / Design and Development

Description:
Project Summary: This application proposes to remove the vertical portion of the metal standing seam roof and replace the material with an EIFS sign band. This space already serves as a sign band as signs are installed on raceways attached to the standing seam metal. The applicant also proposes to paint the remaining portions of the roof black. For more information, please see the January 7, 2026, staff report.

Background/Timing Impact:
Work Session Discussion:

Board and Staff provided the following feedback at the January 7, 2026, work session:

- The HDRB commented that the subject property is a recognizable building in the Town and that the change would make it less distinctive. However, the board acknowledged that the overall look of the shopping center would be updated with the proposed modifications.
- The board also commented that EIFS is generally not a desirable material due to its relatively limited life cycle.
- The applicant stated that they would like the EIFS to go to the edge of the façade of the arcade.
- The board asked if other cladding materials, such as brick were considered, and discussed ways that brick or standing seam metal detailing could be incorporated into new sign band for the building. The applicant stated that they were concerned about impinging on space needed for signage.
- The applicant pointed out to the board that the building already has some EIFS detailing on the turrets. The board responded that in consideration of this, EIFS may be an appropriate alternative material for the sign band.
- The board stated that they did not want modifications to the building to alter the intended visual cohesion with the adjacent bank building.

- The applicant confirmed that they were not aware of any similar changes proposed for the adjacent bank building.
- The board asked if the applicant would consider keeping the standing seam metal roof green to be consistent with the bank building.

Updates Since Work Session:

- Following the January 7, 2026, ARB work session, the applicant contacted staff asking if it was possible to continue their application to the February ARB meeting cycle. The applicant made this request in order to allow time to address comments the board provided during the work session.
    - Staff requested the applicant prepare to provide a material sample of the proposed EIFS at the next ARB meeting they attend, as the texture and other material qualities of EIFS vary widely.

Fiscal Impact:
N/A

Legal Impact:
N/A

Staff Recommendation/Next Steps:
Staff recommend continuance of the application to the February ARB meeting cycle, as requested by the applicant.

Attachments:
1. Materials
2. Legal Ad
3. Presentation

December 10, 2025

Angelina R. Jones
Lead Planner - Design & Development
Town of Herndon, VA

Angelina,

We are the architects working with ownership at 300 Elden Shopping Center to update the exterior finishes.

Attached please find the written permission from the property owner authorizing the property modification activity. (Owner Letter-300 Elden-ARB Herndon.pdf)

Attached are images of the existing building showing the before and after of the renovations. (ARB Exhibits - 300 Elden 2025-12-01.pdf) The owner is looking to refresh the color of the standing seam roof as well as reduce the amount of standing seam roof shown behind the sign band of the building. We are proposing to install thin stucco system over cement board in a light color to match the existing EIFS system at the towers of the building.

Specifications for the paint (SW Bond-Plex.pdf) and stucco system (Dryvit System-cementboardmdspecification.pdf) are attached for your use and information.

Please review and let us know if there is anything else required to complete the process.
If you have any questions, please let me know.

Sincerely,

David Bruhnke
Senior Director, Special Projects
The M Group Design, Inc., A Virginia Corporation

300 Elden Street	250267
ARB review	2025.12.01
Looking West	BEFORE

300 Elden Street	250267
ARB review	2025.12.01
Looking West	AFTER

300 Elden Street	250267
ARB review	2025.12.01
Looking East	BEFORE

300 Elden Street	250267
ARB review	2025.12.01
Looking East	AFTER

CEMENT BOARD MD FINISH SYSTEM™

DS191

An Exterior Finish System Applied Over Exterior Cement Board With A Water-Resistive Barrier And Moisture Drainage

Cement Board MD Finish System Specifications

DRYVIT SYSTEMS, INC.
MANUFACTURER'S SPECIFICATION
CSI MASTERFORMAT SECTION 07 24 23
CEMENT BOARD MD FINISH SYSTEM

PART I - GENERAL

1.01 SUMMARY:

This document is intended to be used in preparing specifications for projects utilizing Cement Board MD Finish System by Dryvit. For complete product description and usage refer to:
A. Dryvit Cement Board MD Data Sheet, DS480
B. Dryvit Cement Board MD Installation Details, DS190

1.02 RELATED SECTIONS

A. Project Meetings – Section 01 31 19
B. Cold-Formed Metal Framing – Section 05 40 00
C. Wood Framing – Section 06 11 00
D. Flashing and Sheet Metal – Section 07 60 00
E. Joint Protection – Section 07 90 00

1.03 REFERENCES

A. AC59 Acceptance Criteria for Direct-Applied Exterior Finish Systems.
B. AC148 Acceptance Criteria for Flashing Materials.
C. ASTM B 117 (Federal Test Standard 141A Method 6061) Test Method of Salt Spray (Fog) Testing.
D. ASTM C 79 Specification for Gypsum Sheathing Board.
E. ASTM C 150 Specification for Portland Cement.
F. ASTM C 297 Test Method for Tensile Strength of Flat Sandwich Constructions in Flatwise Plane.
G. ASTM C 1177 Specification for Glass Mat Gypsum Substrate for Use as Sheathing.
H. ASTM C 1325 Standard Specification for non-asbestos fiber-mat reinforced cementitious backer units.
I. ASTM C 1516 Standard Practice for Application of Direct-Applied Exterior Finish Systems.
J. ASTM D 968 (Federal Test Standard 141A Method 6191) Test Method for Abrasion Resistance of Organic Coatings by Falling Abrasive.
K. ASTM D 2898 Standard Test Method for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing
L. ASTM D 3273 Test Method for Resistance to Growth of Mold on Surfaces.
M. ASTM E 84 Test Method for Surface Burning Characteristics of Building Materials.
N. ASTM E 96 Test Methods for Water Vapor Transmission of Materials.
O. ASTM G 23 (Federal Test Standard 141A Method 6151) Recommended Practice for Operating Exposure Apparatus (Carbon-Arc Type) With and Without Water, for Exposure of Nonmetalic Materials.

1.04 SUBMITTALS

A. Submittal requirements by the contractor are to be indicated in the construction documents as required, including:
   1. Product literature, samples or mock-up.
   2. Finish sample indicating color and texture for approval by architect/owner.

1.05 DESCRIPTION

A. Cement Board MD Finish System consisting of Dryvit base coat with reinforcing mesh, and finish applied over an exterior cement board that is installed over a code approved water-resistive barrier and approved drainage medium. The substrate, cement board, and water-resistive barrier (unless the water-resistive barrier is manufactured by Dryvit) are not part of the system.
   1. Design Requirements:
      a. A sheathing board substrate installed over structural framing prior to installation of a code approved water-resistive barrier shall be one of the following:
         1) Exterior sheathing having a water-resistant core with fiberglass mat facers meeting ASTM C 1177.
         2) Exterior fiber reinforced cement meeting ASTM C 1325 or calcium silicate boards.
         3) APA Exterior or Exposure 1 Rated Plywood, Grade C-D or better, nominal 1/2 in (12.7 mm), minimum, installed with the C face out.
         4) APA Exterior or Exposure 1 Fire Retardant Treated (FRT) Plywood, Grade C-D or better, nominal 1/2 in (12.7 mm), minimum, installed with the C face out.
         5) APA Exposure 1 Rated Oriented Strand Board (OSB) nominal 1/2 in (12.7 mm), minimum. **NOTE: Applications over OSB sheathing requires a minimum of 2 coats of Backstop NT – Smooth or Spray. Backstop NT – Texture is not recommended for the field of wall application over OSB.**
      b. The outer layer sheathing shall be exterior cement board meeting ASTM C 1325, minimum 1/2 in (12.7 mm).
      c. The roofing materials shall be loaded onto the roof and interior wallboard stocked in the building prior to the installation of the Cement Board MD Finish System.

d. Deflection of substrate systems shall not exceed L/360.
e. The slope of inclined surfaces shall not be less than 6:12 (27°) and the length shall not exceed 12 in (305 mm).
f. Expansion joints:
1) Design and location of expansion/control joints in the substrate shall be determined by the project design professional and indicated on the contract documents. As a minimum, joints in Cement Board MD Finish System are required at the following locations:
a) Where expansion joints occur in the substrate system
b) Where building expansion joints occur
c) At floor lines in wood frame construction
d) Where Cement Board MD Finish System abuts dissimilar materials
e) Where the substrate changes
f) Where significant structural movement occurs such as changes in roofline, building shape or structural system
g. Control joints:
1) Design and location of control joints shall be determined by the design professional. As a minimum, control joints shall be located at the following locations:
a) Corners of openings.
b) Such that wall lengths do not exceed 20 ft (6 m).
c) Length to width ratios of wall areas shall not exceed 2.5:1.
h. Sealants
1) Use and location of sealants is the responsibility of the project designer and shall be indicated on the contract documents.
2) Refer to Section 07 90 00.
3) Refer to Dryvit publication DS153 for a list of sealants that have been tested for compatibility with Dryvit products.
i. Vapor Retarders
1) Use and location of vapor retarders within a wall assembly is the responsibility of the project designer and shall comply with local building code requirements. Type and location shall be noted on the contract documents. Vapor retarders may be inappropriate in certain climatic zones and can result in condensation within the wall assembly when incorrectly used. Refer to Dryvit publication DS159 for additional information.
j. Flashing
1) Flashing: shall be provided at all roof-wall intersections, windows, doors, chimneys, decks, balconies, and other areas as necessary to prevent water penetration behind Cement Board MD Finish System.
k. Site Coated EPS Shapes and Starter Boards: Shall be coated on site utilizing the same materials (EPS, base material mixture, reinforcing mesh, and finish) as specified for the project.
l. Machine Coated EPS Shapes and Starter Boards: Shall be supplied by a manufacturer that subscribes to the Dryvit third party certification and quality assurance program.

2. Performance Requirements: As a minimum, the Dryvit Cement Board MD Finish System products shall be tested as follows:
a. ASTM B 117: Salt Spray Resistance – 300 hrs, no deleterious effects.
b. ASTM C 297 Bond Strength – Failure in the substrate.
c. ASTM D 968: Abrasion Resistance – 132 gal (500 L), no deleterious effects.
d. ASTM D 3273 Mildew/Fungus Resistance – Passed.
e. ASTM E 84 Flame Spread – Flame Spread Index less than 25, Smoke Developed less than 250.
f. ASTM E 96 Water Vapor Transmission – Vapor Permeable.
g. ASTM G 23 Accelerated Weathering – 2000 hrs, Passed.

1.06 QUALITY ASSURANCE

A. Qualifications:
1. Manufacturer: Shall be Dryvit Systems, Inc. or approved suppliers. All materials shall be obtained from Dryvit Systems, Inc. or its authorized distributors.
2. Material shall be manufactured at a facility covered by a current ISO 9001:2015 and ISO 14001:2015 certification. Certification of the facility shall be by a registrar accredited by the American National Standards Institute-Registrar Accreditation Board (ANSI-RAB).
3. Plastering Contractor:
a. Shall be knowledgeable in the proper installation of Cement Board MD Finish System components.
b. Shall have qualified and properly trained people to perform work.
c. Shall be licensed, bonded and insured.
d. Shall have experience in application of direct-applied exterior finish systems on projects of comparable scope.

4. Third Party Inspection
   a. Owner's independent third-party inspection is recommended to verify installation according to code and contract documents. It is recommended that as a minimum, inspection items include installation of the water-resistive barrier, flashings and accessories, Cement Board MD Finish System materials and sealants. The intent is to verify that the installation has been performed in accordance with code requirements, contract requirements and this specification.
5. Machine Coated EPS Shapes and Starter Boards: Shall be supplied by a manufacturer that subscribes to the Dryvit third party certification and quality assurance program.

B. Mock-Up
1. The contractor shall, before the project commences, provide the owner/architect with a mock-up for approval.
2. The mock-up shall be of suitable size as required to accurately represent each color and texture to be utilized on the project.
3. The mock-up shall be prepared with the same products, tools, equipment and techniques required for the actual applications. The finish used shall be from the same batch as that being used for the project.
4. The approved mock-up shall be available and maintained at the job site.

1.07 DELIVERY, STORAGE AND HANDLING

A. All Dryvit materials shall be delivered to the job site in the original, unopened packages with labels intact.

B. Upon arrival, materials shall be inspected for physical damage, freezing or overheating. Questionable materials shall not be used.
1. Materials shall be stored at the job site, and at all times, in a cool, dry location, out of direct sunlight, protected from weather and other sources of damage. Minimum storage temperature shall be as follows:
   a. DPR, PMR™, HDP™, Weatherlastic® and E™ Finishes, Color Prime™, Primus®, Genesis® and NCB™, 40 °F (4 °C).
   b. For other products, refer to specific product data sheets.
2. Maximum storage temperature shall not exceed 100 °F (38 °C). **NOTE: Minimize exposure of materials to temperatures over 90 °F (32 °C). Finishes exposed to temperatures over 110 °F (43 °C) for even short periods may exhibit skinning, increased viscosity and should be inspected prior to use.**

C. Protect all products from inclement weather and direct sunlight.

1.08 PROJECT CONDITIONS

A. Environmental Requirements
1. Application of wet materials shall not take place during inclement weather unless appropriate protection is provided. Protect materials from inclement weather until they are completely dry.
2. At the time of Dryvit product application, the air and wall surface temperatures shall be from 40 °F (4 °C) minimum to 100 °F (38 °C) maximum for the following products:
   a. DPR, PMR, HDP, Weatherlastic and E Finishes, Color Prime, Primus, Genesis and NCB.
   b. For other products, refer to specific product data sheets.
3. These temperatures shall be maintained with adequate air ventilation and circulation for a minimum of 24 hours (48 hours for Weatherlastic Finishes, Ameristone, and TerraNeo) thereafter, or until the products are completely dry. Refer to published product data sheets for more specific information.

1.09 SEQUENCING AND SCHEDULING

A. Installation of Cement Board MD Finish System shall be coordinated with other construction trades.

1.10 WARRANTY

A. Dryvit Systems, Inc. shall provide a written limited materials warranty against defective material upon written request. Dryvit shall make no other warranties, expressed or implied. Dryvit does not warrant workmanship. Full details are available from Dryvit Systems, Inc.

B. The applicator shall warrant workmanship separately. Dryvit shall not be responsible for workmanship associated with installation of the Cement Board MD Finish System.

1.11 DESIGN RESPONSIBILITY

A. It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for their intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings and the like. Dryvit has prepared guidelines in the form of specifications, application details, and product data sheets to facilitate the design process only. Dryvit is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings, or the like, whether based upon the information prepared by Dryvit or otherwise, or for any changes which purchasers, specifiers, designers, or their appointed representatives may make to Dryvit's published comments.

1.12 MAINTENANCE

A. All Dryvit products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning and minimal maintenance may be required. See Dryvit publication DS152 on Cleaning and Recoating.

B. Sealants and flashings shall be inspected by the owner or their agent on a regular basis and repairs made as necessary.

PART II-PRODUCTS

2.01 MANUFACTURER:

A. All components of the Cement Board MD Finish System shall be obtained from Dryvit or its authorized distributors.

2.02 MATERIALS

A. Water-Resistive Barrier (not a component of the Dryvit finish system except for Backstop® NT™).
   1. Dryvit Backstop NT: A vapor permeable, flexible, polymer-based noncementitious water-resistive and air barrier coating available in Texture, Smooth, and Spray. See DS180 and DS181.
   2. Dryvit Backstop NT-VB: A Class 1 vapor retarder, available in trowel and spray versions. When specified, consider having a WVT analysis performed. See DS830 and DS831.
   3. Dryvit Grid Tape™: A 4 in (102 mm) wide, open weave fiberglass mesh tape used to reinforce sheathing joints and exposed edges of sheathing.
   4. Other code approved water-resistive barrier (when selected by others) is not a component of the Dryvit finish system.

B. Dryvit MD Spacer™: A polyethylene spacer, which separates the exterior cement board from the sheathing substrate. If other spacers are used, they are not part of the Dryvit finish system.

C. Exterior Cement Board (by others) and cement board fasteners (by others) are not components of the Dryvit finish system.

D. Dryvit Base Coat
   1. Cementitious: A liquid polymer based material, which is field mixed in a 1:1 ratio by weight with Portland Cement.
      a. Shall be Genesis®.
   2. Ready mixed: A dry blend cementitious, polymer-based product, field mixed with water.
      a. Shall be Genesis® DM.
   3. Sprayable: A dry blend cementitious, polymer-modified product, field mixed with water and specifically formulated for spray applications to provide longer pot life, less false set, extended open time and stronger wet grip.
      a. Shall be Genesis® DMS.

E. Machine Coated EPS Shapes and Starter Boards: Shall be supplied by a manufacturer that subscribes to the Dryvit third party certification and quality assurance program.

F. Reinforcing Mesh(es): Shall be a balanced open weave, glass fiber fabric treated for compatibility with other system materials.
   1. Dryvit Detail Mesh®: 4.3 oz/yd^2 (146 g/m^2), 9 1/2 in (241 mm) wide. Required at all exterior cement board joints and inside and outside corners.
   2. Dryvit Standard Mesh: 4.3 oz/yd^2 (146 g/m^2). Shall be installed over the entire exterior cement board face.

G. Dryvit Finish: Shall be the type, color and texture as selected by the owner/architect and shall be one or more of the following:
   1. Standard DPR (Dirt Pickup Resistance): Water based, acrylic coatings with integral color and texture and formulated with DPR chemistry:
      a. Quarzputz® DPR: Open-texture pattern.
      b. Sandblast® DPR: Medium texture.
      c. Freestyle® DPR: Fine texture.
      d. Sandpebble® DPR: Pebble texture.
      e. Sandpebble® DPR Fine: Fine pebble texture.
   2. Hydrophobic (HDP™) Finishes: 100% acrylic coating with integral color and texture and formulated with hydrophobic properties:
      a. Quarzputz® HDP
      b. Sandblast® HDP
      c. Sandpebble® HDP
      d. Sandpebble® Fine HDP

3. **E** Finishes™: Water-based, lightweight acrylic coatings with integral color and texture and formulated with DPR chemistry:
   a. Quarzputz® **E**
   b. Sandpebble® **E**
   c. Sandpebble® Fine **E**
4. Specialty Finishes and Veneers:
   a. Ameristone™: Multi colored quartz aggregate.
   b. Stone Mist®: Ceramically colored quartz aggregate.
   c. Custom Brick™: Acrylic polymer finish used in conjunction with a proprietary template system to create the look of stone, brick, slate or tile.
   d. TerraNeo®: 100% acrylic-based finish with large mica chips and multi-colored quartz aggregates.
   e. NewBrick®: A lightweight insulated brick veneer for use on exterior walls.
5. Elastomeric DPR (Dirt Pickup Resistance) Finishes: Water-based, elastomeric acrylic finishes with integral color and texture and formulated with DPR chemistry:
   a. Weatherlastic® Quarzputz
   b. Weatherlastic® Sandpebble
   c. Weatherlastic® Sandpebble Fine
   d. Weatherlastic® Adobe
6. Medallion Series PMR™ (Proven Mildew Resistance) Finishes: Water based, acrylic finishes with integral color and texture:
   a. Quarzputz® PMR
   b. Sandblast® PMR
   c. Freestyle® PMR
   d. Sandpebble® PMR
   e. Sandpebble® Fine PMR
7. Coatings, Primers and Sealers:
   a. Demandit® Smooth
   b. Demandit® Sanded
   c. Demandit® Advantage™
   d. HDP Water-Repellent Coating
   e. Weatherlastic® Smooth
   f. Tuscan Glaze™
   g. Color Prime™
   h. Prymit®
   i. SealClear™

H. Expanded polystyrene (if applicable): Shall be 1 pcf nominal density meeting DS131. EPS must meet the specification of Dryvit Systems, Inc. and be produced by a manufacturer licensed by Dryvit.

I. Accessories (by others) are not components of the Dryvit finish system.
1. Type, style and manufacturer shall be indicated on construction documents.
2. In corrosive environments, accessories manufactured of PVC or zinc are recommended.
3. Steel accessories shall meet ASTM C 841.
4. PVC accessories shall meet ASTM D 1784 and C 1063.

PART III-EXECUTION

3.01 EXAMINATION

A. Prior to installation of the Cement Board MD Finish System, it is the contractor's responsibility to ensure that:
1. The sheathing substrate is of a type listed in Section 1.05 A.2.a.
2. The sheathing substrate and the exterior cement board surface are free of dust, loose particles, oil and other conditions that would affect the adhesion or installation of Cement Board MD Finish System materials.
3. All fasteners are corrosion resistant and installed in a manner as to be flush with the surface of the cement board.
4. All accessories including corner aids, control and expansion joints, casing beads, etc. are properly fastened and positioned according to contract drawings, manufacturer requirements and local building code requirements.
5. The water-resistive barrier is of a proper type and, if sheet form, has been installed in a weatherboard fashion in accordance with building code and manufacturer's requirements.
6. Doors, windows, decks, and other openings and penetrations have been properly flashed in accordance with manufacturer requirements, building code and contract documents.
7. Metal roof flashing has been installed in accordance with Asphalt Roofing Manufacturers Association (ARMA) Standards.
8. The cement board surface is flat within 1/4 in (6.4 mm) in 10 ft (3 m).
9. The contractor shall notify the general contractor and/or owner and/or architect of all discrepancies. Do not proceed until unsatisfactory conditions are resolved.

3.02 PREPARATION

A. The Cement Board MD Finish System materials shall be protected by permanent or temporary means from weather and other damage prior to, during, and following application, until dry.

B. Protect adjoining work and property.

3.03 INSTALLATION

A. Mixing:
   1. Backstop NT: Due to shipping and storage, there may be some settling of materials. Prior to using, mix the material to a smooth homogeneous consistency.
   2. Dryvit base coat materials shall be mixed in accordance with current Dryvit printed Product Sheets.
      a. Dryvit Genesis shall be mixed in a 1:1 ratio with Portland cement. The mix is allowed to set for 5 minutes and then remixed to break the set. Refer to Genesis product sheet DS417 for complete instructions.
      b. Dryvit Genesis DM shall be mixed with water to a uniform consistency, allowed to set for 10 minutes and then remixed to break the set. Refer to Genesis DM product sheet DS452 for complete instructions.
      c. Dryvit Genesis DMS shall be mixed with water to a uniform consistency, allowed to set for 5 minutes and then remixed to break the set. Refer to Genesis DMS product sheet DS471 for complete instructions.
   3. Dryvit Finishes:
      a. Dryvit Finishes are factory blended and require no additives. Mix each pail to a uniform consistency adding a small amount of water as needed to adjust workability. Ensure that the same amount of water is added to each pail of the same color.
      b. Refer to the product data sheet for the specific finish being used for more complete instructions.

B. Application of Backstop NT:
   1. Prepare the substrate sheathing so as to be free of foreign materials such as oil, dust, dirt, paint, wax, water repellents, moisture, frost and any other materials that may inhibit adhesion.
   2. Backstop NT can be applied using a roller, trowel, or spray equipment (with backrolling) over the approved substrates. Refer to Backstop NT Application Instructions, DS181.

C. Installation of Dryvit MD Spacer:
   1. Secure the Dryvit MD Spacer to the substrate using corrosion resistant staples through the water-resistive barrier and into the substrate or framing. The spacer is 1/8 in (3.2 mm) thick by 3 in (76 mm) wide and is installed in continuous vertical strips spaced a maximum of 16 in (406 mm) on center installed over each framing member. Additionally, install the spacer flush with the vertical edge of all system terminations and changes in wall direction. If other spacers are used, follow manufacturers' instructions.

D. Install the exterior cement board in accordance with manufacturer's instructions and project requirements.
   1. Align sheathing joints with the MD Spacer and install fasteners through the MD Spacer or other spacers as needed.
   2. Do not align joints with corners of wall penetrations.
   3. Exterior cement board joints shall be offset from sheathing board substrate joints.

E. Foam shape application (if applicable)
   1. Adhere EPS shape to exterior cement board prior to applying the base coat.
   2. Install in accordance with current Dryvit printed Outsulation® System Application Instructions DS204.

F. Application of Base Coat:
   1. Apply Genesis or Genesis DM over all exterior cement board joints and inside and outside corners and embed a 9 1/2 in (241 mm) wide strip of Dryvit Detail Reinforcing Mesh into the wet base coat mixture.
   2. Allow the base coat mixture to take up until firm to the touch.
   3. Apply a continuous layer of Genesis, Genesis DM or Genesis DMS over the exterior cement board face and embed a layer of Dryvit Standard Reinforcing Mesh into the wet base coat mixture such that the entire surface of the board is covered. The reinforced base coat shall be applied to a uniform thickness of approximately 1/16 in (1.6 mm) and be sufficient to embed the reinforcing mesh.
   4. All edges of reinforcing mesh shall be lapped a minimum of 2 1/2 inches (64 mm).

G. Application of Finishes:
   1. Allow the Genesis, Genesis DM or Genesis DMS to cure a minimum of 24 hours until completely dry.
   2. Ensure that the surface of the wall is clean, dry and free of any contaminants that may impair the adhesion of surface finish.
   3. Dryvit finishes may be either spray or trowel applied.
   4. Always apply the finish to a natural break to avoid visible cold joints.
   5. Always work the shady side of the wall or provide shading to avoid application in direct sunlight.
   6. Dryvit finishes shall be applied in accordance with published Dryvit instructions for the specific finish being used. Refer to the published product data sheet for the specified finish.

H. The installation of Pre-Coated EPS Shapes and Starter Boards shall be in accordance with Dryvit Publication DS854.

3.04 FIELD QUALITY CONTROL

A. The contractor shall be responsible for the proper application of the Cement Board MD Finish System materials.
B. Dryvit assumes no responsibility for on-site inspections or application of its products.
C. Independent third party inspection is required to verify installation according to code and contract documents. As a minimum, it is recommended that inspection items include installation of the water-resistive barrier, flashings, and accessories, Cement Board MD Finish System materials, and sealants.

3.05 CLEANING

A. All excess Cement Board MD Finish System materials shall be removed from the job site by the contractor in accordance with contract provisions.
B. All surrounding areas, where the Cement Board MD Finish System has been applied, shall be left free of debris and foreign substances resulting from the contractor's work.

3.06 PROTECTION

A. The system shall be protected from weather and other damage until permanent protection in the form of flashings, sealants, etc. are installed.

CAUTIONS AND LIMITATIONS

- Use is limited to applications on projects not exceeding 5 stories.
- Minor cracking is possible in the finished exterior surface.
- Non-insulated claddings may exhibit shadowing (ghosting) of fasteners and or framing members due to varying exterior surface temperatures. Critical light will tend to exaggerate construction irregularities when coatings are applied directly to sheathing in framed construction.
- Base coat material shall not be used to level wall surface imperfections.
- Consult exterior cement board manufacturer requirements for stud spacing, fastening requirements and other design and installation considerations.

DISCLAIMER

Information contained in this specification conforms to standard detail and product recommendations for the installation of the Cement Board MD Finish System products as of the date of publication of this document and is presented in good faith. Dryvit Systems, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit Systems, Inc. at:

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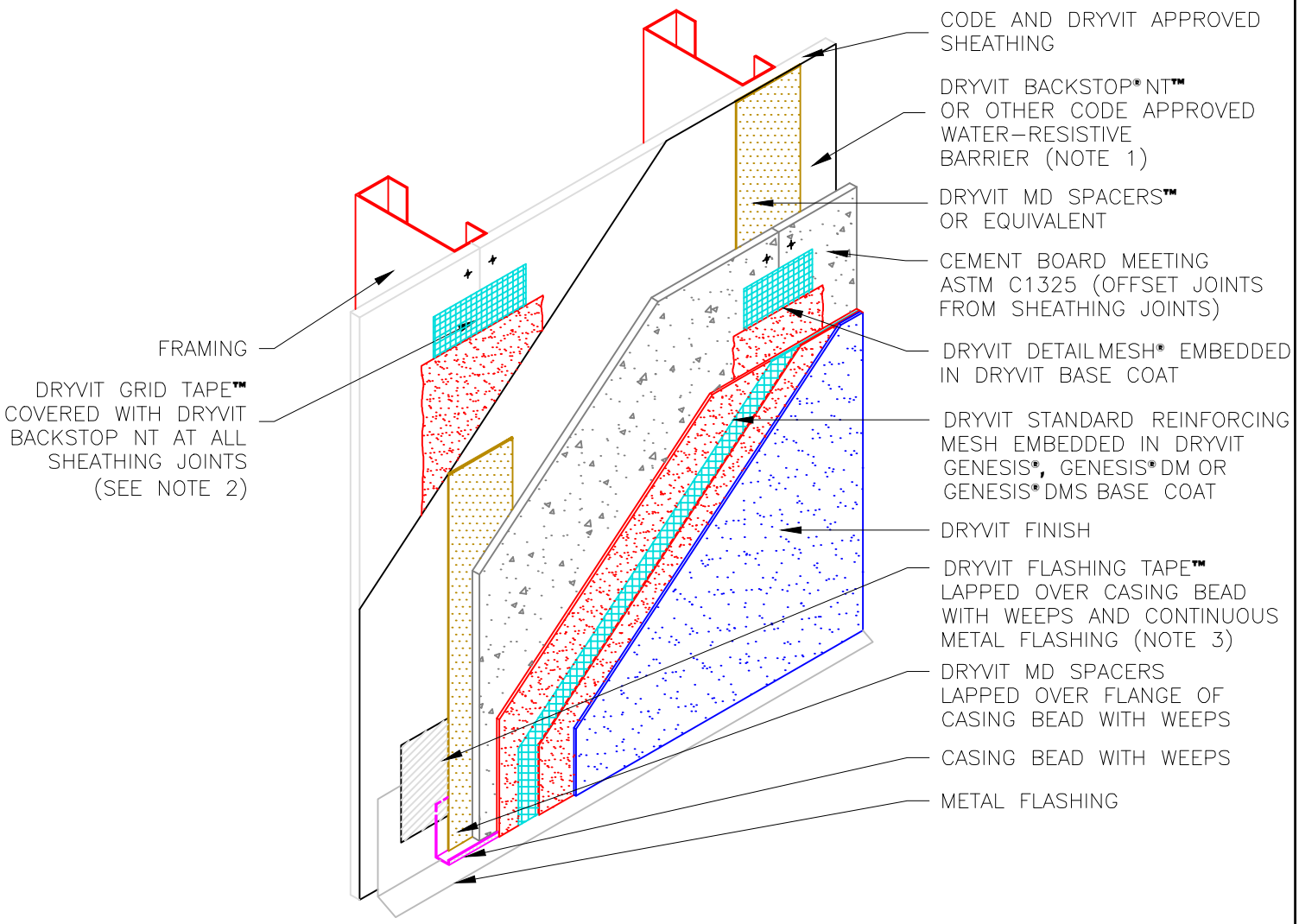


Cement Board MD Finish System™

System Layout

NOTE:

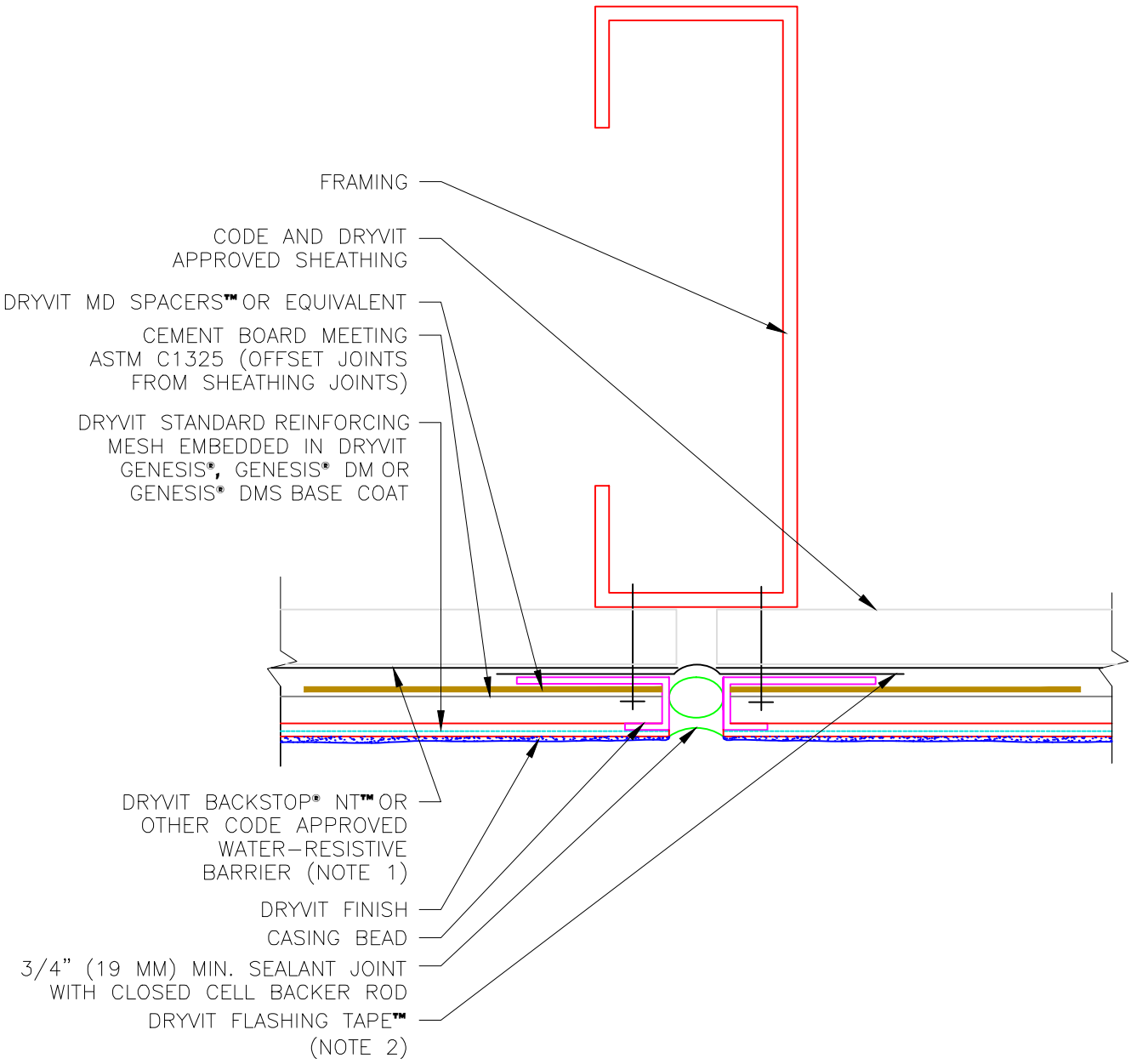
1: SHEET TYPE WATER-RESISTIVE MEMBRANES SHALL BE INSTALLED IN A WEATHER BOARD FASHION

2: DRYVIT GRID TAPE NOT REQUIRED WHEN SHEET TYPE WATER-RESISTIVE BARRIERS ARE SPECIFIED

3: DRYVIT AQUAFLASH® SYSTEM MAY BE USED IN LIEU OF DRYVIT FLASHING TAPE WHEN DRYVIT BACKSTOP NT IS USED AS THE WATER-RESISTIVE BARRIER

The architecture, engineering, and design of the project using the Dryvit products is the responsibility of the project's design professional. All systems must comply with local building codes and standards. This detail is for general information and guidance only and Dryvit specifically disclaims any liability for the use of this detail and for the architecture, design, engineering or workmanship of any project. The project design professional determines, in its sole discretion, whether this detail or a functionally equivalent detail is best suited for the project. Use of a functionally equivalent detail does not violate Dryvit's warranty. This detail is subject to change without notice. Contact Dryvit to ensure you have the most recent version.

Issued: 10/2016



Cement Board MD Finish System™

Vertical Control/Expansion Joint

NOTE:

1: SHEET TYPE WATER-RESISTIVE MEMBRANES SHALL BE INSTALLED IN A WEATHER BOARD FASHION

2: DRYVIT AQUAFLASH® SYSTEM MAY BE USED IN LIEU OF DRYVIT FLASHING TAPE WHEN DRYVIT BACKSTOP NT IS USED AS THE WATER-RESISTIVE BARRIER

Issued: 10/2016

Bond-Plex®

Waterbased Acrylic Coating

B71W00211 Extra White, B71T00204 Clear Tint Base, B71S00200 Aluminum

CHARACTERISTICS

Bond-Plex Waterbased Acrylic Coating is a single component, waterborne acrylic, adhesion promoting coating formulated for direct application to pre-finished metal siding. Suitable for interior or exterior use.

Features:
- Outstanding adhesion
- Eliminates the use of a bonding primer over certain pre-finished siding or other hard, slick, glossy surfaces
- Outstanding application characteristics
- Suitable for use in USDA inspected facilities

For use over properly prepared pre-finished siding:
- Fluorocarbons (Kynar®)
- Polyester Polymers
- Silicone Polyesters

Recommended For:
- Light Industrial
- Pre-finished Siding
- Manufacturing Facilities, New Construction

Finish:	15-25 @ 85° Low Sheen Aluminum 70° @ 60° Gloss
Color:	Many Colors

Recommended Spreading Rate per coat:
(Extra White B71W00211 (may vary by color)

Wet mils:	5.0-10.0
Dry mils:	2.4-4.1
Coverage:	160-328 sq. ft. per gallon
Theoretical Coverage:	657 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 5.0 mils wet, @ 50% RH:
Drying and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@120°F
To touch	1.5 hours	45 minutes	20 minutes
Tack free	6 hours	4 hours	2 hours
To recoats	8 hours	4 hours	2 hours

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Deep Base	10-12	SherColor

Do Not Tint Aluminum

Extra White B71W00211
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
Aluminum 102 grams per litre; 0.85 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	39 ±2%
Weight Solids:	55 ±2%
Weight per Gallon:	10.90 lbs
Flash Point:	N/A
Vehicle Type:	Acrylic
Shelf Life:	36 months, unopened Aluminum 12 months

COMPLIANCE

As of 12/19/2022, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	No

APPLICATION

Temperature:	
minimum	50°F / 10°C
maximum	120°F / 49°C
	air, surface and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water
Airless Spray:	
Pressure	2400 p.s.i.
Hose	1/4-3/8 inch I.D.
Tip	.017-.019 inch
Filter	60 mesh
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	60 p.s.i.
Fluid Pressure	25 p.s.i.
Reduction:	As needed up to 10% by volume
Brush:	Nylon-polyester
Roller Cover:	1/2 inch woven-small surfaces only

If specific application equipment is listed above, equivalent equipment may be substituted. Consult spray manufacturer for more information on equipment variations.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material loss during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use 50% overlap with each pass of the fun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Pre-Finished Siding: Fluorocarbon, Silicone Polyester, Polyester Polymers:
1-2 coats Bond-Plex Waterbased Acrylic

Previously Painted, Hard, Slick, Glossy Surfaces:
1-2 coats Bond-Plex Waterbased Acrylic

Pre-Finished Siding: Fluorocarbon, Silicone Polyester, Polyester Polymers:
1 coat Bond-Plex Waterbased Acrylic
1-2 coats of Acceptable topcoat

Previously Painted, Hard, Slick, Glossy Surfaces:
1 coat Bond-Plex Waterbased Acrylic
1-2 coats of Acceptable topcoat

Acceptable Topcoats:
Pro Industrial Acrylic
Pro Industrial DTM Primer/Finish
Pro Industrial Multi-Surface Acrylic
Pro Industrial Waterbased Acrolon 100
Pro Industrial Waterbased Alkyd Urethane Enamel
Pro Industrial Pre-Catalyzed Waterbased Urethane

Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

The systems listed above are representative of the product's use. Other systems may be appropriate.

continued on back

Bond-Plex®
Waterbased Acrylic Coating

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse.
Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Pre-Finished Siding Fluorocarbon, Silicone Polyester, Polyester Polymers:
Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72 (caution: excessive blasting pressure may cause warping, use caution). Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

Previously Painted Surface:
If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

SURFACE PREPARATION

Mildew:
Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.
Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

B71W00211 Bond-Plex @ 4.0 mils D.F.T.
(unless otherwise noted)

Abrasion Resistance:
Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1kg load
Result: 90.03 mg loss

Adhesion:
Method: ASTM D4541
Result: 1477 p.s.i.

Corrosion Weathering*:
Method: ASTM D5894, 8 cycles
Result: Rating 8.5 for rusting
Rating 10 for blistering

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 176 inch pound

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F/93°C

Flexibility:
Method: ASTM D522, 180° bend, 1/4 inch mandrel
Result: Pass

Humidity Resistance:
Method: ASTM D4585, 1443 hours
Result: Rating 10 for rusting
Rating 10 for blistering

Pencil Hardness:
Method: ASTM D3363
Result: 1.5B

Salt Fog Resistance*:
Method: ASTM B117, 274 hours
Result: Rating 8 for rusting
Rating 8D for blistering

*1 coat Pro Industrial Pro-Cryl Primer
1 coat Bond-Plex

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	12/19/2022	B71W00211	27	45
HOTW	12/19/2022	B71T00204	22	48
HOTW	12/19/2022	B71S00200	21	102

Town of Herndon, Virginia
Notice of Public Hearing

Notice is hereby given that the **Architectural Review Board** (ARB) of the Town of Herndon, Virginia, will hold a public hearing on Wednesday, January 21, 2026, at 7:30 p.m. in the Herndon Council Chambers Building, located at 765 Lynn Street, Herndon on the following items:

APPLICATION FOR NEW CONSTRUCTION, ARB #25-004, to consider an application for the erection of new playground equipment and other minor site improvements on the public property known as Harding Park, at 749 Van Buren Street, Herndon, Virginia, located in the southwest quadrant of the intersection of Jefferson Street and Van Buren Street. The subject property is further identified as Fairfax County Tax Map 0162 02 0240, is zoned RM, Residential Multi-Family, and consists of 20,969 square feet of land. Applicant: Zeljko Spasojevic, Town of Herndon. Owner: Town of Herndon.

APPLICATION FOR ALTERATION TO AN EXISTING STRUCTURE, ARB #25-005, to consider an application for alterations including recladding a portion of the existing shopping center in a new material at the commercial property located at 300 Elden Street, Herndon, Virginia, located on the north side of Elden Street between the intersections with Herndon Parkway and Jonquil Lane. The subject property is further identified as Fairfax County Tax Map 0171 02 0025B1, is zoned CS, Commercial Services District, and consists of 107,699 square feet of land. Applicant: David Bruhnke. Owner: Tom Donaldson.

APPLICATION FOR NEW CONSTRUCTION, ARB #25-006, to consider an application for the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park, at 814 Ferndale Avenue, Herndon, Virginia, located on the east side of Ferndale Avenue at the intersection with the Washington and Old Dominion Trail. The subject property is further identified as Fairfax County Tax Map 0104 02 0013, is zoned R-10, Residential Single-Family - 10 District, and consists of 11.7321 acres of land. Applicant: Zeljko Spasojevic, The Town of Herndon. Owner: The Town of Herndon.

The public is encouraged to participate in the town's public hearing process. Individuals having an interest in the above items are invited to attend the public hearing and state their opinions. Individuals may also submit comments to hdrb.arb@herndon-va.gov.

The proposed items are available for examination by the public at the Department of Community Development, 777 Lynn Street, Herndon, during normal business hours (Monday – Friday) and on the town's website www.herndon-va.gov.

The Town of Herndon supports the Americans with Disabilities Act by making reasonable accommodations for persons with disabilities so that they may participate in services, programs, or activities, offered by the town. Please call (703) 435-6804 to arrange for any accommodation that may be necessary to allow for participation.

Amanda Morrow Kertz, Town Clerk

Note to Publisher:
Publish on January 2, 2026/January 9, 2026

Architectural Review Board

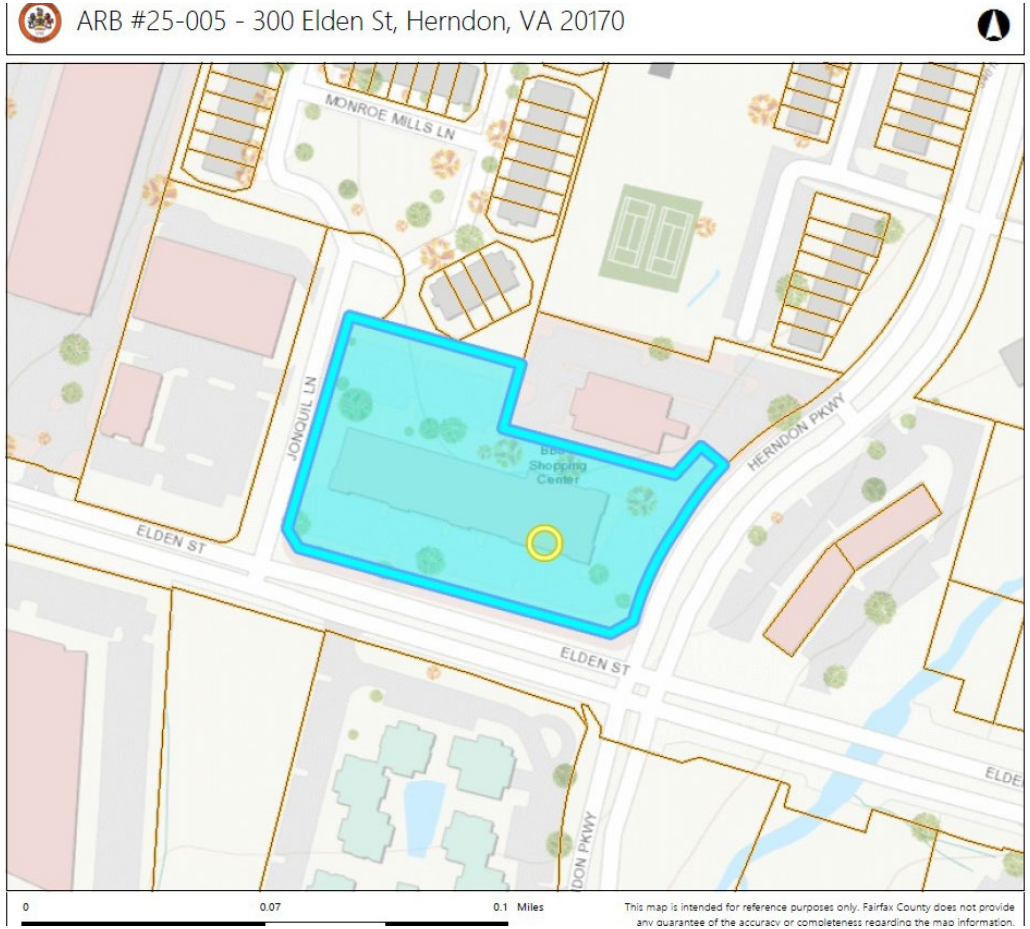
January 21, 2026, Regular Meeting

ARB #25-005 – Alteration to an Existing Structure

TOWN OF Herndon

LIVE DIFFERENTLY.

Existing Conditions



Existing Conditions

Design Change

Existing

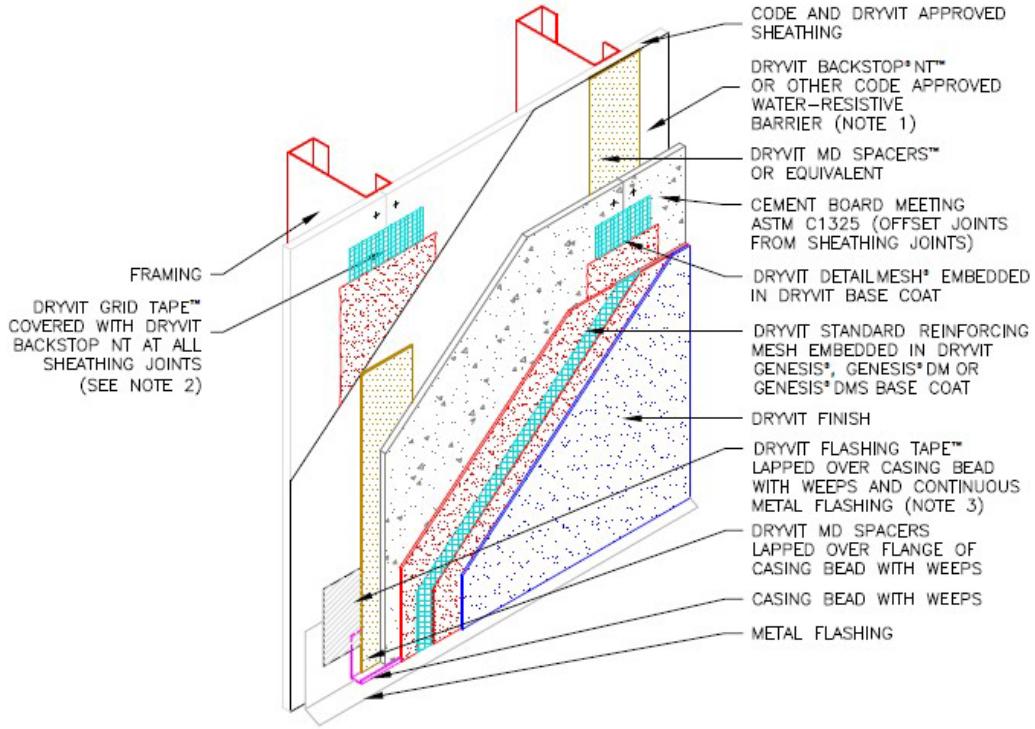
Proposed

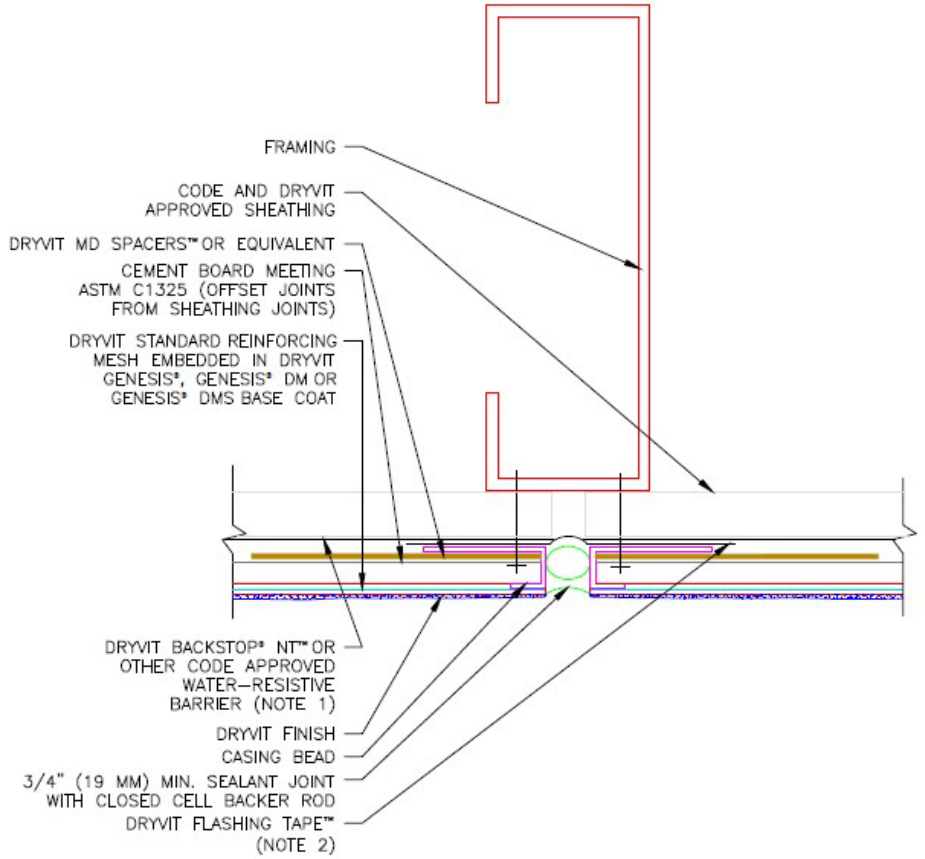
Design Change

Existing

Proposed

Proposed Design





EIFS Detail

Staff Analysis

- Subject property designed in the post-modern style
  - Removing a portion of the mansard roof negatively impacts architectural character
- Intentionally coordinated with the adjacent bank building
- EIFS is a less durable material than standing seam metal

Updates

- Work Session:
  - Board acknowledged EIFS generally not a desirable material
    - Stated EIFS may be appropriate as already used on façade
  - Board asked if green roof can be maintained

- Applicant requested to continue their application to the February ARB meeting cycle

- Staff are requesting:
  - Applicant provide a material sample of EIFS at the next ARB meeting

- Staff recommend continuance, as requested by the applicant

Architectural Review Board

January 21, 2026, Regular Meeting

ARB #25-005 – Alteration to an Existing Structure

TOWN OF Herndon

LIVE DIFFERENTLY.

Architectural Review Board Regular Meeting
Agenda Item 5.b.

Agenda Item: **APPLICATION FOR NEW CONSTRUCTION, ARB #25-004, 749 Van Buren Street, Herndon, Virginia, to consider an application for the erection of new playground equipment and other minor site improvements on the public property known as Harding Park**

Meeting Date: January 21, 2026

Category: Public Hearings

Prepared by: Angelina Jones, Lead Planner / Design and Development

Description:
Project Summary: This application proposes to demolish and remove the existing playground structures at Harding Park and replace them with newly constructed play equipment. A portion of the existing asphalt pathway will be removed to accommodate an expanded play area. The existing wooden perimeter border will be replaced with black plastic borders. The play area will be surfaced with an engineered wood fiber mulch. Two additional benches will also be installed along the playground's perimeter. For more information, please see the January 7, 2026, staff report.

Background/Timing Impact:
Work Session Discussion:
Board and Staff provided the following feedback at the January 7, 2026, work session:

- The HDRB recognized that diversifying the types of play equipment available to Harding Park visitors would be an asset to the community.
- The board commented that the purple dinosaur currently at the park was a well regarded feature in the Town. The applicant stated that they are exploring opportunities to retain the dinosaur as an art element either at Harding Park or elsewhere in Town.

Summary of Town Code of Ordinances and Zoning Ordinance Compliance:
Staff find that the proposed new construction generally complies with the applicable design criteria within the Town's Architectural Control District as specified in Section 58-96 of the Town Code of Ordinances. Staff also determined that the proposed new construction meets the applicable standards and requirements of the Town of Herndon Zoning Ordinance.

For additional information, please see the January 7, 2026, HDRB work session staff report.

Fiscal Impact:
N/A

Legal Impact:
N/A

Staff Recommendation/Next Steps:
Staff recommends approval in accordance with the draft resolution.

Attachments:
1. Resolution (proposed)
2. Materials
3. Legal Ad
4. Presentation

TOWN OF HERNDON, VIRGINIA
ARCHITECTURAL REVIEW BOARD

RESOLUTION

JANUARY 21, 2026

Resolution- **to approve an application for the erection of new playground equipment and other minor site improvements at the public property located at Harding Park, 749 Van Buren Street, Herndon, Virginia, located at the intersection of Jefferson Street and Van Buren Street and further identified as Fairfax County Tax Map 0162 02 0240.**

BE IT RESOLVED by the Architectural Review Board of the Town of Herndon, Virginia that:

1. The Architectural Review Board approves ARB #25-004, for the erection of new playground equipment and other minor site improvements at the public property located at Harding Park, 749 Van Buren Street, Herndon, Virginia, in substantial conformance with the information shown in the case materials reviewed by the ARB at the January 21, 2026, public hearing.

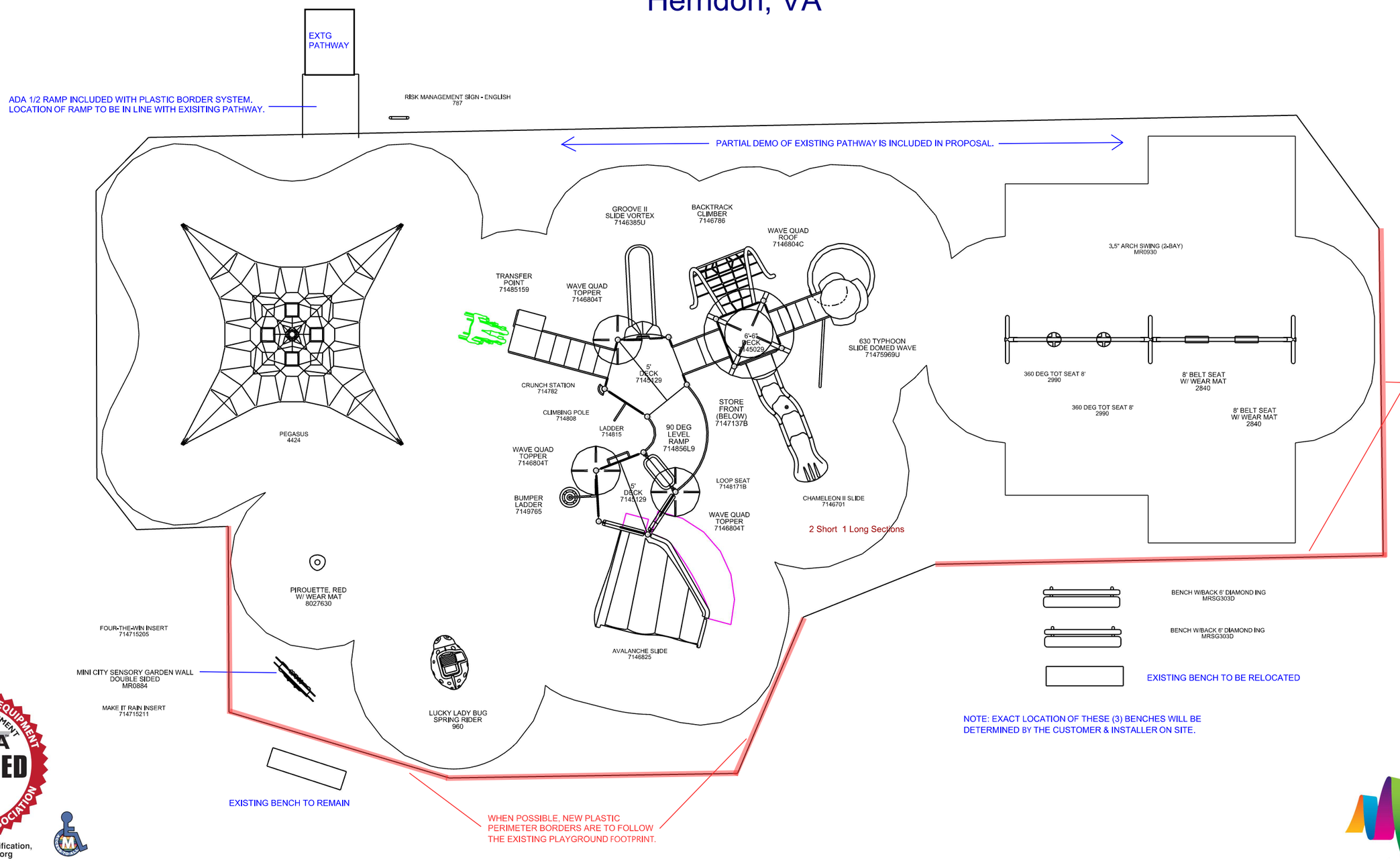
FOR KIDS AGES **2-12** YEARS

AGE GROUP2-12_ASTM
ELEVATED PLAY ACTIVITIES - TOTAL: 0
ELEVATED PLAY ACTIVITIES ACCESIBLE BY TRANSFER: 0 REQ'D 0
ELEVATED PLAY ACTIVITIES ACCESIBLE BY RAMP: 0 REQ'D 0
GROUND LEVEL ACTIVITY TYPE: 1 REQ'D 0
GROUND LEVEL QUANTITY: 4 REQ'D 0

Harding Park - Proposal B.3
Herndon, VA

AGE GROUP5-12_ASTM
ELEVATED PLAY ACTIVITIES - TOTAL: 8
ELEVATED PLAY ACTIVITIES ACCESIBLE BY TRANSFER: 7 REQ'D 4
ELEVATED PLAY ACTIVITIES ACCESIBLE BY RAMP: 0 REQ'D 0
GROUND LEVEL ACTIVITY TYPE: 7 REQ'D 3
GROUND LEVEL QUANTITY: 13 REQ'D 3

FOR KIDS AGES **5-12** YEARS



INTERNATIONAL PLAY EQUIPMENT PUBLIC PLAY EQUIPMENT IPEMA CERTIFIED TO ASTM F1487 MANUFACTURERS ASSOCIATION
To verify product certification, visit www.ipema.org

Miracle

SITE CONCEPTS

SALES & ACCOUNTING OFFICE5320 WHITE OAK ROAD PHONE NO: Enter Phone No.
PURLEAR, NC FAX NO: Enter Fax numbe

GROUND SPACE: 88' x 46'-6"
PROTECTIVE AREA: 101'-6" x 52'-6"
DRAWN BY: George Novey DATE: 11/12/2025

25014527

✓ COMPLIES TO ASTM/CPSC

✓ COMPLIES TO ADA

To promote safe and proper equipment use by children. Miracle recommends the installation of either a Miracle safety sign or other appropriate safety signage near each playsystem's main entry point(s) to inform parents and supervisors of the age appropriateness of the playsystem and general rules for safe play.

THE PLAY COMPONENTS IDENTIFIED IN THIS PLAN ARE IPEMA CERTIFIED. THE USE AND LAYOUT OF THESE COMPONENTS CONFORM TO THE REQUIREMENTS OF ASTM F1487.

AN ENERGY ABSORBING PROTECTIVE SURFACE IS REQUIRED UNDER & AROUND ALL PLAY SYSTEMS

Arch Swing Frames 3.5" (inground and bolt down)

2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

MR0930 & MR0930BD
3.5" 2 Seat Arch Swing

Inground Model Shown

MR0932 & MR0932BD
3.5" 2 Seat Arch Swing Add-A-Bay

Inground Model Shown

MR0934 & MR0934BD
3.5" 1 Seat Arch Swing

Inground Model Shown

MR0936 & MR0936BD
3.5" 1 Seat Arch Swing Add-A-Bay

Inground Model Shown

Arch Swing Frames 3.5" (inground and bolt down)

2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

Model #	*Product*	*Protective Area*	*Concrete*
MR0930	3.5" 2 Seat Arch Swing	24' x 32'	0.5 cu.yds.
MR0930BD	3.5" 2 Seat Arch Swing - BD	24' x 32'	0.5 cu.yds.
MR0932	3.5" 2 Seat Arch Swing Add-A-Bay	24' x 32'	0.5 cu.yds.
MR0932BD	3.5" 2 Seat Arch Swing Add-A-Bay - BD	24' x 32'	0.5 cu.yds.
MR0934	3.5" 1 Seat Arch Swing	21' x 32'	0.25 cu.yds.
MR0934BD	3.5" 1 Seat Arch Swing - BD	21' x 32'	0.25 cu.yds.
MR0936	3.5" 1 Seat Arch Swing Add-A-Bay	21' x 32'	0.25 cu.yds.
MR0936BD	3.5" 1 Seat Arch Swing Add-A-Bay - BD	21' x 32'	0.25 cu.yds.

DESCRIPTION

All models consist of arch weldments and header weldments which assemble to form a swing frame. Swings must be ordered separately.

MATERIALS

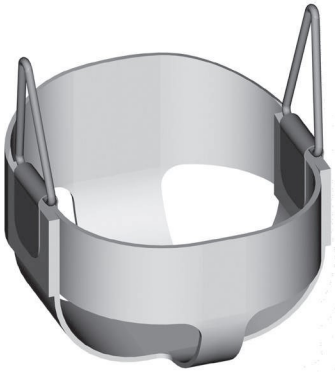
Arches:	Arch weldments shall consist of the arch and stub(s). Arches shall be constructed of 3-1/2" tube, 11-gauge. Stubs shall be constructed of 4" tube, 7-gauge. The stub(s) shall be solid welded to the arches.
Header:	The header weldment shall consist of the header and bushing housings. The header shall be constructed of 3-½" tube, 8-gauge. The header shall have bushing housings welded to it with oil-impregnated bushings installed after painting.
Clevises:	The clevises shall be cast of ductile iron grade 60-40-18.
Fasteners:	All fastening hardware shall be Fastener Style A.
Finishes:	The arches and header shall be finished in Mira-Cote. The clevises shall be zinc plated.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Swing Seats

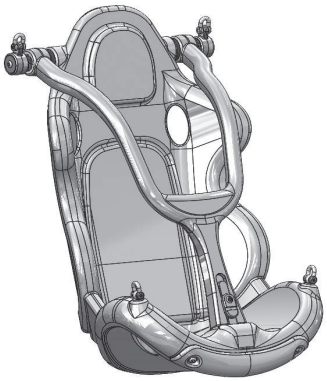
284, 2840 and 2841
Slashproof Seat

299 and 2990
360° Tot Seat



Note: Chains NOT shown.

2740 and 2741
Inclusive Swing Seat



2760
Generation Swing Seat

Note: Chains NOT shown.

Swing Seats

DESCRIPTION:

The Slashproof Seat is a flexible flat single strap seat with end attachment points and has an exterior surface of EPDM rubber. The 360 Degree Slashproof Tot Seat is a flexible seat fabricated into a configuration of a wide strap through the bottom, a wide strap running completely around at the top, and two (2) interconnecting straps at the front and the rear of the seat for complete enclosure of the small user. The exterior surface is EPDM rubber. The Inclusive Swing Seats are Rockite seats molded to form a chair. Models with chain each have two chains to suspend the swing from a swing frame header. The Generation Swings are Rockite seats molded to form a double sided swing, one side a tot swing design and the other for an adult. Models with chain each have two chains to suspend the swing from a swing frame header.

MATERIALS:

Slashproof Seat: The Slashproof Seat is constructed of a 4" wide inner steel insert of type 301 stainless spring steel, 0.020" thick. The slashproof seat is 26" long (excluding mounting triangles) x 5" wide x 5/8" thick at the front and rear leading cushion edges. The rubber molded to the steel core is 70 durometer EPDM. At each end a 16 ga. galvanized steel clip 3" wide is attached by three stainless steel rivets through the clip and seat subassembly. A 3/8" diameter galvanized steel mounting triangle is encompassed by the steel clip at each end of the seat.

360 Degree Tot Seat: The 360 Degree Tot Seat is constructed of a one piece die cut 0.020" thick, martinsitic spring steel insert with 70 durometer EPDM rubber, 1/4" thick, molded to the insert. The main seat strap is 5" wide, the back strap is 4" wide, and the front strap is 2" wide. The two (2) places where the straps are interconnected and form the suspension points for the seat are held by a clip and grommet system. The clip is 4" wide 16 ga. galvanized steel. There are two grommets per clip, each of which is 3/4" O.D. by 14 ga. wall galvanized steel tubing, flared to securely attach the clip to the seat. The two (2) mounting triangles are secured to the seat by clips and are made from 3/8" steel round stock, formed and galvanized.

Inclusive Swing Seat: The Inclusive Swing Seat shall be constructed of Rockite. Attached to the seat is a reinforced polyurethane rubber bumper. The sliding latch mechanism is constructed from 6061 machined aluminum.

Generation Swing Seat: The Generation Swing shall be constructed of Rockite.

Chain: Each chain assembly is 4/0 straight link coil chain.

"D" Shackle: The "D" Shackle for all models except the Inclusive Swing Seat and Generation Swing Seat are sand cast of ductile iron grade 60-40-18.

Finishes: All rubber surfaces are EPDM. The Rockite Inclusive Swing Seat have molded-in color. All exposed metal surfaces are bright zinc plated. The clevises are zinc plated.

Kids' Choice® - Mira-Therm II

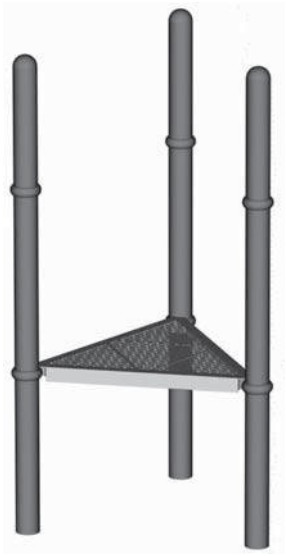
Decks

Deck Posts not included in these assemblies.

714-501-9

Triangle Deck

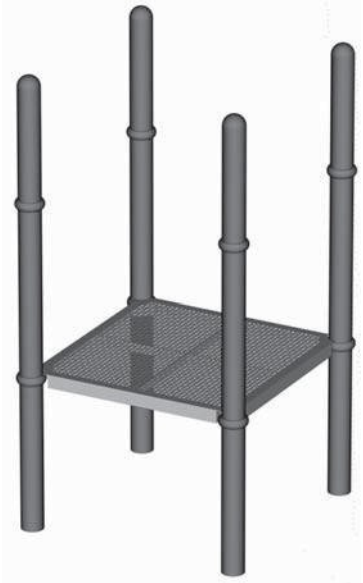
Model # 714-501-9 requires three (3) Posts.



714-502-9

Square Deck

Model # 714-502-9 requires four (4) Posts.



714-503-9

Half Hex Deck (Full)

Model # 714-503-9 requires four (4) Posts.

714-504-9

Half Hex Deck

Model # 714-504-9 requires five (5) Posts.

Kids' Choice® - Mira-Therm II

Decks

714-508-9

Rectangle Deck (Full)

Model # 714-508-9 requires four (4) Posts.

714-509-9

Rectangle Deck (Half Open)

Model # 714-509-9 requires five (5) Posts.

714-510-9

Rectangle Deck (Open)

Model # 714-510-9 requires six (6) Posts.

Kids' Choice® - Mira-Therm II

Decks

714-512-9

Pentagon Deck

Model # 714-512-9 requires five (5) Posts.

714-517-9

Heptagon Deck

Model # 714-517-9 requires seven (7) Posts and one (1) middle support post.

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Kids' Choice® - Mira-Therm II

Decks

MODEL #	PRODUCT	POSTS REQ'D	DECK SURFACE	CONCRETE
714-501-9	Triangle Deck	3	7 sq. ft.	See Post specs
714-502-9	Square Deck	4	16 sq. ft.	"
714-503-9	Half Hex Deck (Full)	4	21 sq. ft.	"
714-504-9	Half Hex Deck (Open)	5	21 sq. ft.	"
714-508-9	Rectangle Deck (Full)	4	32 sq. ft.	"
714-509-9	Rectangle Deck (Half Open)	5	32 sq. ft.	"
714-510-9	Rectangle Deck (Open)	6	32 sq. ft.	"
714-512-9	Pentagon Deck	5	26.5 sq. ft.	"
714-517-9	Heptagon Deck	7	55 sq. ft.	"

DESCRIPTION

Mira-Therm II deck models include an equilateral triangle deck, a square deck, two half hexagon decks, three rectangular decks, a pentagon deck, and a heptagon deck. Decks are designed for maximum flexibility in height of deck surface, from 0" to 6'-6" (in 6" increments), though 3', 5', and 6'-6" are considered standard deck heights.

Decks are designed on a 48" center-to-center spacing on 5" deck posts, at equal or varied heights. All deck-to-post connections are made with a deck support clamp. All deck connections are made beneath deck with no exposed fasteners on deck perimeter. Decks with 8' wide open side are designed to attach to another deck with 8' wide open side at same deck height.

MATERIALS

Decks: All decks shall be constructed with folded 11 ga. steel sheet forming 3" tall sides. Decking sheets shall be perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The decking shall have 7 ga. by 2" flat steel braces and corner braces of 7 ga. steel. The entire assembly shall be solid welded prior to PVC coating.

Fasteners: Deck assemblies shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: All deck surfaces shall be coated in Mira-Therm. Clamps shall have a Mira-Cote finish.

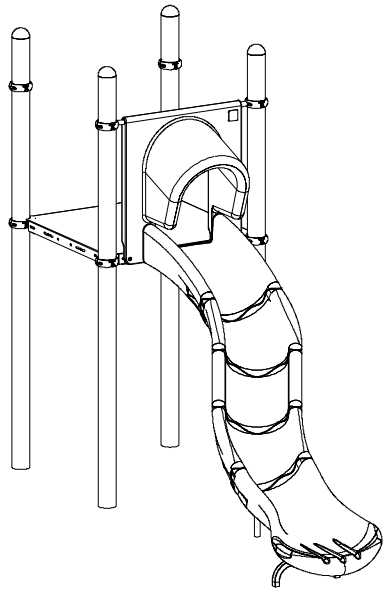
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Miracle Product Specifications

Kids' Choice®

Chameleon II Slide System

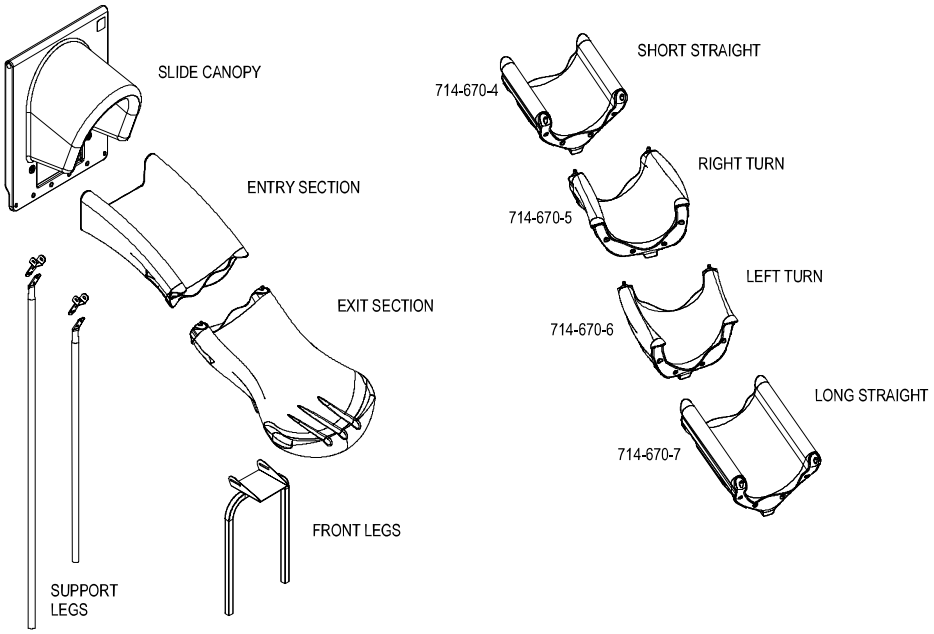
Chameleon II Slide (Sample)



714-670,
714-670-1,
714-670-2,
714-670-4,
714-670-5,
714-670-6,
714-670-7

All Chameleon Slide systems contain one Model # 714-670 and up to seven additional pieces (determined by deck height) in any combination of remaining models (-5, -6, -7).

SECTIONAL SLIDE COMPONENTS



714-670; 30" TO 54" DECK HT; NO SUPPORT LEGS
714-670-1; 60" TO 78" DECK HT; ONE SHORT SUPPORT LEG
714-670-2; 84" TO 102" DECK HT; TWO SUPPORT LEGS

Chameleon Slide System

Kids' Choice®

Chameleon II Slide System

MODEL #	PRODUCT
714-670	Chameleon II Entry & Exit 2'-6" - 4'-6"
714-670-1	Chameleon II Entry & Exit 5' - 6'-6"
714-670-2	Chameleon II Entry & Exit 7' - 8'-6"
714-670-4	Chameleon II Short Straight Section
714-670-5	Chameleon II Right Section
714-670-6	Chameleon II Left Section
714-670-7	Chameleon II Long Straight Section

Note: Ground space and protective area required are dependent upon the specific configuration. Footings for the assembly require 0.05 cu. yds. of concrete for models attached to decks 3', 0.10 cu. yds. of concrete for models attached to decks 5' and 4', 0.15 cu. yds. of concrete for models attached to decks 6', 6'-6" and 8'.

DESCRIPTION

The Chameleon Slide System features interchangeable bedway sections to present maximum versatility in design configuration. The componentized, open bedway slide assembly may be attached to 2'-6" - 8'-6" decks.

MATERIALS

Slide Assembly: The bedway sections, entry panel and exit section shall be constructed of double wall Rockite with a 18" bedway and 13-3/4" high sidewalls. The entry panel shall be supported by a rung of 1" pipe.

Front Leg: The front leg shall be constructed of 1.5" X 16 ga. square tube and a bracket of 7 ga. galvanized sheet steel.

Support Legs: Support legs shall be constructed of 1.66 OD x 13 ga. tube and a mounting bracket of 7 ga. sheet, solid welded.

Leg Bracket: Shall be constructed of 7 ga. galvanized sheet steel, solid welded.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The rung, front leg, support legs and leg brackets shall have a Mira-Cote finish. The Rockite slide sections shall have color molded in.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

714-670, 714-670-1, 714-670-2, 714-670-4, 714-670-5, 714-670-6, 714-670-7

Miracle Product Specifications

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Imagination Panels & Activity Panels - Below Deck

Models included:

MODEL	DESCRIPTION
714-602-6B	Steel Panel, Crawl Through
714-617-B	Space Ship Panel
714-713-5B	Door Panel
714-713-17B	Door Panel Below Deck
714-713-18B	Window Panel Below Deck
714-713-19B	Store Panel Below Deck
714-713-20B	Door Panel W/Welcome Below Deck
714-713-21B	Space Maze Panel KC Below Deck
714-713-22B	Alphabet Panel KC Below Deck
714-713-23B	Braille Panel KC Below Deck
714-713-24B	Sign Language Phrases Panel KC Below Deck
714-713-25B	Sign Language Alphabet Panel KC Below Deck
714-714-2B	Fire Truck Panel
714-714-4B	Train Panel
714-714-11B	4 X 4 Panel KC Below Deck
714-714-11HB	4 X 4 Half Panel KC Below Deck
714-714-12B	Big Rig Panel Below Deck
714-714-13B	Plane Panel KC Below Deck
714-715-3B	3' Jump Panel
714-715-5B	5' Jump Panel
714-715-13B	Calypso 3-Drum Panel
714-715-20B	Activity Panel Frame

MODELS CONTINUED ON NEXT PAGE

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

714-602-6B, 714-617-B, 714-713-5B, 714-714-2B, 714-714-4B,, 714-715-13B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B, 714-713-17B, 714-713-18B, 714-713-19B, 714-713-20B, 714-714-11B, 714-714-11HB, 714-714-12B, 714-714-13B, 714-715-25B, 714-715-26B, 714-715-27B, 714-715-28B, 714-715-29B, 714-715-3B, 714-715-5B, 714-895-1B, 714895-2B, 714-895-3B, 714-713-21B, 714-713-22B, 714-713-23B, 714-713-24B, 714-713-25B

Kids' Choice®

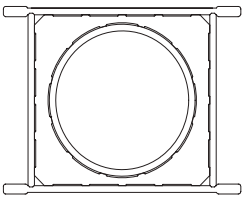
Imagination Panels & Activity Panels - Below Deck

Models included: (continued):

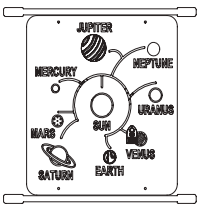
MODEL	DESCRIPTION
714-715-25B	Museum Mosaic Disk Panel KC Below Deck
714-715-26B	Museum Opt Illusion Panel KC Below Deck
714-715-27B	Museum Pin Panel KC Below Deck
714-715-28B	Museum Washer Panel KC Below Deck
714-715-29B	Museum Zoetrope KC Below Deck
714-761-2B	Piston Panel
714-761-3B	Gear Panel
714-761-4B	Sliding Tile Panel
714-895-1B	Barn Wall Panel
714-895-2B	Barn Door Panel
714-895-3B	Barn Window Panel

Note:
Deck systems are NOT included in these assemblies. Please refer to Construction Drawings for the model particular to your system.

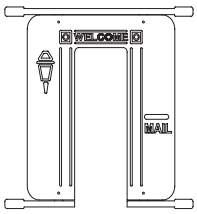
714-602-6B:
Steel Panel, Crawl Through



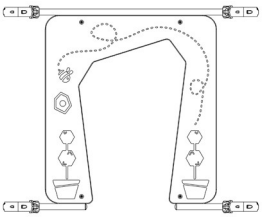
714-617-B:
Space Ship Panel



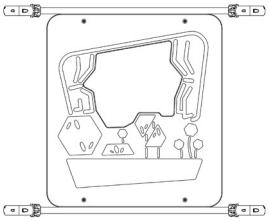
714-713-5B:
Door Panel



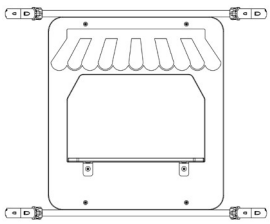
714-713-17B
Door Panel
Below Deck



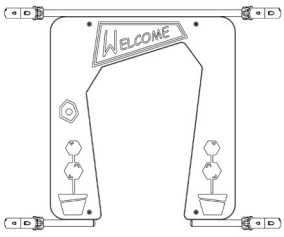
714-713-18B
Window Panel
Below Deck



714-713-19B
Store Panel
Below Deck



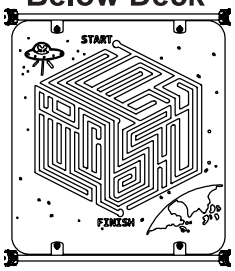
714-713-20B
Door Panel W/Welcome
Below Deck



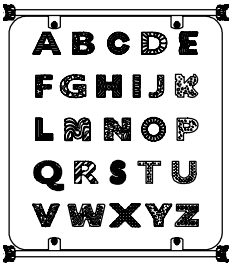
Kids' Choice®

Imagination Panels & Activity Panels - Below Deck

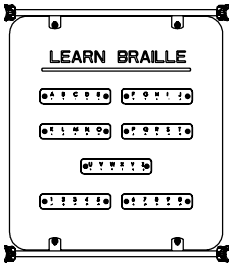
714-713-21B: Space Maze Panel KC Below Deck



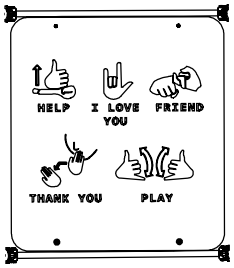
714-713-22B: Alphabet Panel KC Below Deck



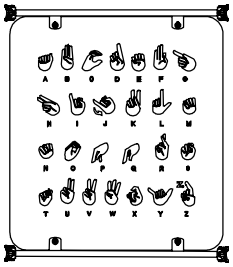
714-713-23B: Braille Panel KC Below Deck



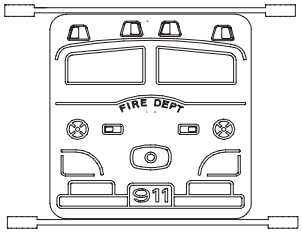
714-713-24B: Sign Language Phrases Panel KC Below Deck



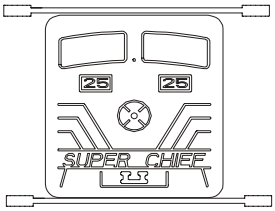
714-714-25B: Sign Language Alphabet Panel KC Below Deck



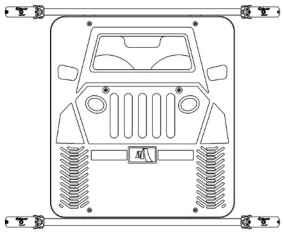
714-714-2B: Fire Truck Panel



714-714-4B: Train Panel



714-714-11B 4 X 4 Panel KC Below Deck



714-602-6B, 714-617-B, 714-713-5B, 714-714-2B, 714-714-4B,, 714-715-13B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B, 714-713-17B, 714-713-18B, 714-713-19B, 714-713-20B, 714-714-11B, 714-714-11HB, 714-714-12B, 714-714-13B, 714-715-25B, 714-715-26B, 714-715-27B, 714-715-28B, 714-715-29B, 714-715-3B, 714-715-5B, 714-895-1B, 714895-2B, 714-895-3B, 714-713-21B, 714-713-22B, 714-713-23B, 714-713-24B, 714-713-25B

Imagination & Activity Panels (Below Deck)

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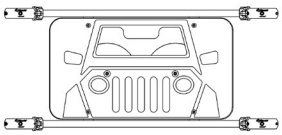
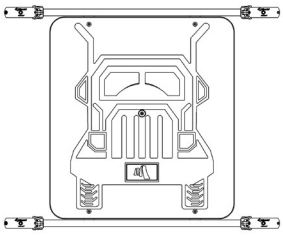
Imagination Panels & Activity Panels - Below Deck

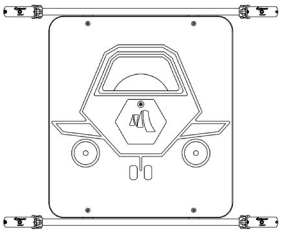
714-714-11HB
4 X 4 Half Panel KC Below Deck



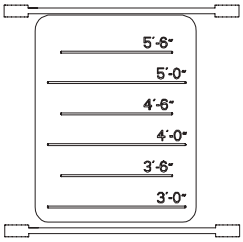
714-714-12B
Big Rig Panel Below Deck



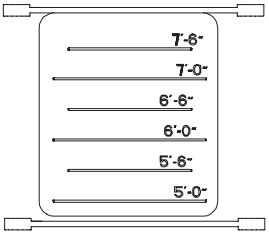
714-714-13B
Plane Panel KC Below Deck



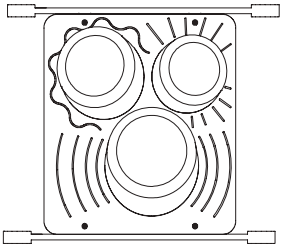
714-715-3B:
Jump Panel (3' Deck)



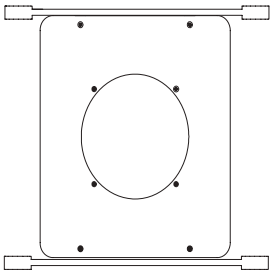
714-715-5B:
Jump Panel (5' Deck)



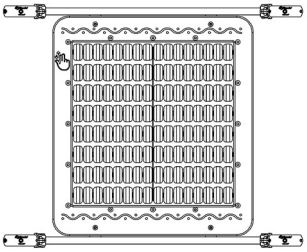
714-715-13B:
Calypso 3-Drum Panel



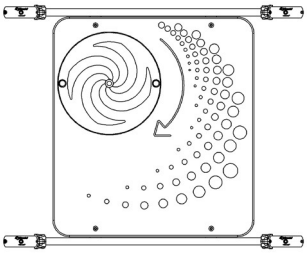
714-715-20B:
Activity Panel Frame



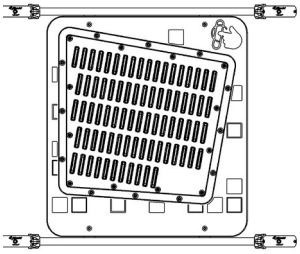
714-715-25B
Museum Mosaic Disk Panel KC Below Deck



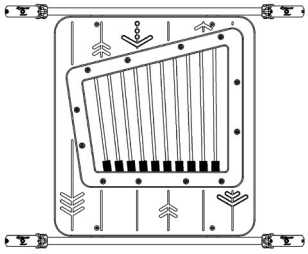
714-715-26B
Museum Opt Illusion Panel KC Below Deck



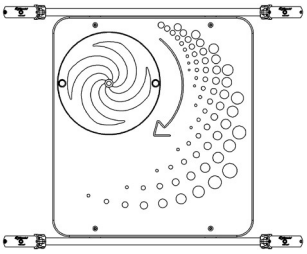
714-715-27B
Museum Pin Panel KC Below Deck



714-715-28B
Museum Washer Panel KC Below Deck



714-715-29B
Museum Zoetrope KC Below Deck

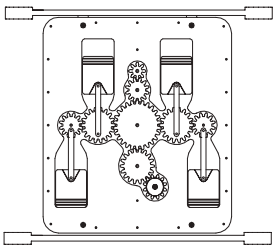


714-602-6B, 714-617-B, 714-713-5B, 714-714-2B, 714-714-4B,, 714-715-13B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B, 714-713-17B, 714-713-18B, 714-713-19B, 714-713-20B, 714-714-11B, 714-714-11HB, 714-714-12B, 714-714-13B, 714-715-25B, 714-715-26B, 714-715-27B, 714-715-28B, 714-715-29B, 714-715-3B, 714-715-5B, 714-895-1B, 714895-2B, 714-895-3B, 714-713-21B, 714-713-22B, 714-713-23B, 714-713-24B, 714-713-25B

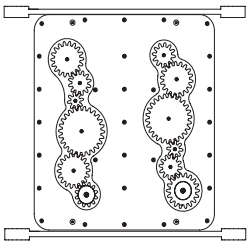
Kids' Choice®

Imagination Panels & Activity Panels - Below Deck

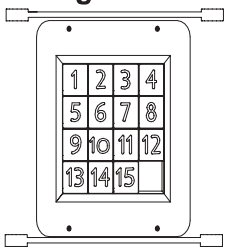
714-761-2B: Piston Panel



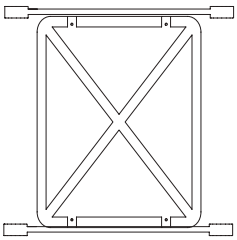
714-761-3B: Gear Panel



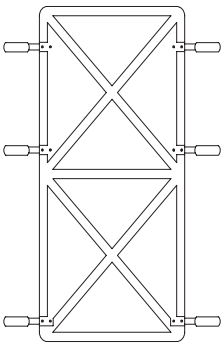
714-761-4B: Sliding Tile Panel



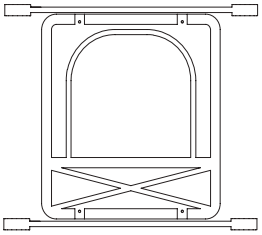
714-895-1B: Barn Wall Panel



714-895-2B: Barn Door Panel



714-895-3B: Barn Window Panel



714-602-6B, 714-617-B, 714-713-5B, 714-714-2B, 714-714-4B,, 714-715-13B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B, 714-713-17B, 714-713-18B, 714-713-19B, 714-713-20B, 714-714-11B, 714-714-11HB, 714-714-12B, 714-714-13B, 714-715-25B, 714-715-26B, 714-715-27B, 714-715-28B, 714-715-29B, 714-715-3B, 714-715-5B, 714-895-1B, 714895-2B, 714-895-3B, 714-713-21B, 714-713-22B, 714-713-23B, 714-713-24B, 714-713-25B

Kids' Choice®

Imagination Panels & Activity Panels - Below Deck

DESCRIPTION

These representational activity panels, designed to enhance imagination and creative play, may be freestanding, clustered or below deck.

- Vehicle-themed panels feature steering wheel assemblies.
- The Piston Panel and Gear Panel contain dynamic, user-driven parts sealed behind a transparent, tamper-resistant cover.
- The Sliding Tile Panel contains 15 routed, moveable tiles with one empty space challenging users to shift the tiles into proper sequence.
- The Calypso 3-Drum Panel allows musical expression, that may be struck with the hands to create different sounds.

MATERIALS

Panels:
The panels shall be constructed of Mira-Lene with all corners rounded. Panels shall measure 36-1/2" x 40" and shall contain routered designs in several themes. The panel shall be supported between posts by top and bottom rungs of 1" pipe, each with two tabs of 11 ga. A-60 Galvannealed sheet, solid welded.

Steel Panel, Crawl Through
Model 714-602-6B only
The steel crawl through panel shall comprise rungs and a ring of 1" pipe, Gator Grip, and a 7 ga. sheet, laser cut panel measuring 33-5/8" x 36".

Barn Door Panel:
Model 714-895-2B only
In addition to the above materials and specifications, Model 714-895-2B shall be supported between posts by top, middle and bottom rungs of 1" pipe, each with two (2) tabs of 11 ga. A-60 Galvannealed sheet, solid welded. Panel shall measure 36-1/2" x 71-1/2".

Gear Panel and Piston Panel:
Model 714-761-3B, 714-761-2B only
In addition to the above materials and specifications, Model 714-761-3B shall contain a clear polycarbonate cover mechanically fastened over two side-by-side sets of 1/4" thick gears, to be constructed of high-density polyethylene, which shall turn on nylon bushings, except for black nylon handles and drive gears which shall turn on bronze bushings. Its opposite side shall contain side-by-side routed finger mazes. Model 714-761-2B shall contain a cover, gears, and knob as described herein, and connecting rod and piston shapes of 1/4" thick high-density polyethylene as well. Its opposite side shall contain routed designs.

Sliding Tile Panel:
Model 714-761-4B only
In addition to material and specifications detailed in "panels" paragraph above, Model 714-761-4B shall contain 15 moveable, tongue-and-groove tiles with routed numerals constructed of 1/4" thick high-density polyethylene.

Store Panel:
Model 714-713-19B only
In addition to material and specifications detailed in "panels" paragraph above, Model 714-713-19B shall contain brackets holding the counter panel on constructed of 7ga. glv bent sheet steel.

Braille Panel KC:
714-713-23B only
In addition to material and specifications detailed in “panels” paragraph above, model 714-713-23B shall contain 3/32" lexan.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Kids' Choice®

Imagination Panels & Activity Panels - Below Deck

MATERIALS ***(continued)***

Calypso 3-Drum Panel: Model 714-715-13B only	In addition to material and specifications detailed in "panels" paragraph above, Model 714-715-13B shall contain 3 rotational molded drums of low density polyethylene resin. Each drum is attached to the panel through a cover plate constructed of 11 ga. galvanized steel sheet with a Mira-Cote finish.
Museum Pin Panel KC: 714-715-27B only	In addition to material and specifications detailed in "panels" paragraph above, model 714-715-27B shall contain polystyrene high impact static cylinders in red and blue and ½" stainless steel rods.
Museum Washer Panel KC: 714-715-28B only	In addition to material and specifications detailed in "panels" paragraph above, model 714-715-28B shall contain ½" stainless steel acme threaded rod.
Museum Zoetrope KC: 714-715-29B only	In addition to material and specifications detailed in "panels" paragraph above, model 714-715-29B shall contain the weldment for the spinner event which shall be constructed of SHST HR 4.5mm (7 ga.) and 1215 steel.
Rung Bracket:	The rung brackets shall be constructed of 1" pipe with bolting tabs of 11 ga. A-60 Galvannealed sheet, all solid welded.
Steering Wheel:	The steering wheel on vehicle-themed panels shall be constructed of a high density polyethylene produced from high performance, U.V. stabilized rotational molding grade resins with a comprehensive additive package. These resins are tested in accordance with ASTM testing procedures D-1505, D-1248, D-1693 (b), D-638, D-790 and D-746. Resin's properties shall exhibit a balance of toughness, rigidity, environmental stress crack resistance and excellent low temperature impact performance. Wall thickness shall be 1/8". The steering wheel hub cover shall be constructed of injection molded polypropylene which shall contain U.V. light stabilizers. Model 714-714-11B 4X4 Panel shall contain two side-by-side steering wheels for cooperative play.
Star Brackets:	Themed for Space Ship Panel, star brackets shall be constructed of 11 ga. HRPO steel and powder coat painted.
Fasteners:	Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.
Finishes:	The steering wheel and two-color panels shall have molded-in color. The rungs, clamps, and steel panel shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

714-602-6B, 714-617-B, 714-713-5B, 714-714-2B, 714-714-4B,, 714-715-13B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B, 714-713-17B, 714-713-18B, 714-713-19B, 714-713-20B, 714-714-11B, 714-714-11HB, 714-714-12B, 714-714-13B, 714-715-25B, 714-715-26B, 714-715-27B, 714-715-28B, 714-715-29B, 714-715-3B, 714-715-5B, 714-895-1B, 714895-2B, 714-895-3B, 714-713-21B, 714-713-22B, 714-713-23B, 714-713-24B, 714-713-25B

Product Specifications

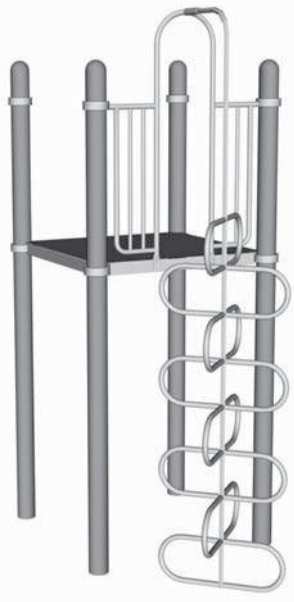
Kids' Choice®

Vertical Climbers Trap Door Climber, Climbing Pole, Spider Climber, Spiral Climber, Wiggly Worm Climber & Bumper Ladder

714-731* & 714-731-6

Trap Door Climber for 6'-6" Deck

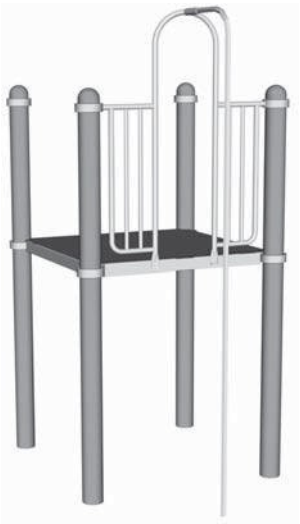
* Model # 714-731 Trap Door Climber for 3' or 5' Deck not shown.



714-808 & 714-808-8*

Climbing Pole for 3', 5' or 6'-6" Deck

* Model # 714-808-8 Climbing Pole for 8' Deck not shown.



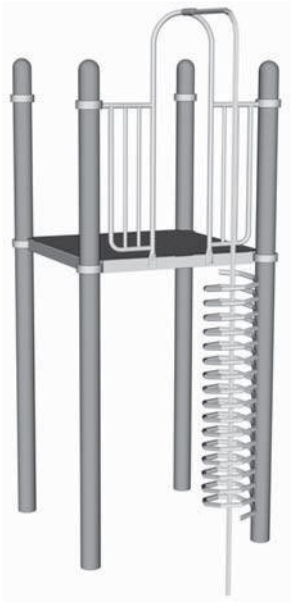
714-908

Spider Climber for 3', 5' or 6'-6" Deck

714-969 & 714-969-5

Spiral Climber for 6'-6"Deck

* Model # 714-969-5 Spiral Climber for 3' or 5' Deck not shown.



714-731, 714-731-6, 714-808, 714-808-8, 714-908, 714-969, 714-969-5, 714-974-6, 714-974-8, 714-976-3, 714-976-5, 714-976-6

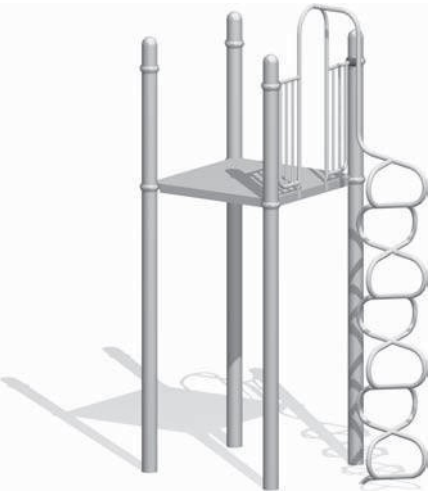
Kids' Choice®

Vertical Climbers

714-974-6* & 714-974-8

Wiggly Worm Climber for 8' Deck

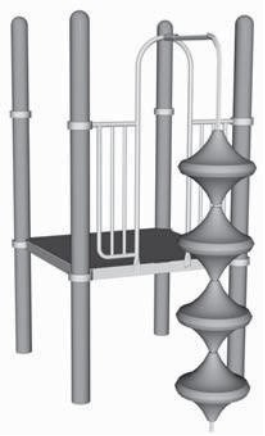
*Model # 714-974-6 Wiggly Worm Climber for 5' & 6'-6" Deck not shown.



714-976-3 & 714-976-5*

Bumper Ladder for 3' Deck

* Model # 714-976-5 Bumper Ladder for 5' Deck and Model # 714-976-6 Bumper Ladder for 6'-6" Deck not shown.



Kids' Choice®

Vertical Climbers

MODEL #	PRODUCT	GRND SPC	PROT. AREA	CONCRETE
714-731	Trap Door Climber, 3' or 5' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-731-6	Trap Door Climber, 6-'6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-808	Climbing Pole, 3', 5' or 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-808-8	Climbing Pole, 8' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-908	Spider Climber, 3', 5' or 6-'6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-969	Spiral Climber, 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-969-5	Spiral Climber, 5' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-974-6	Wiggly Worm Climber, 5' or 6'-6" Deck	3'-0" x 3'-9"	9'-0" x 15'-9"	0.05 cu. yds.
714-974-8	Wiggly Worm Climber, 8' Deck	3'-0" x 3'-9"	9'-0" x 15'-9"	0.05 cu. yds.
714-976-3	Bumper Ladder, 3' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-976-5	Bumper Ladder, 5' Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.
714-976-6	Bumper Ladder, 6'-6" Deck	3'-0" x 3'-0"	9'-0" x 15'-0"	0.05 cu. yds.

DESCRIPTION

These challenging vertical climbers are used for access to and egress from deck systems of various heights. The assemblies contain arched enclosures for field assembly to decks.

MATERIALS

Trap Door Climber: The pole shall be die-formed 1-1/4" pipe. The pole extension and "U" shaped rungs shall be die-formed 1" pipe. The assembly shall be solid welded.

Climbing Pole: The climbing pole shall be constructed of 1" pipe, 12 ga.

Spider Climber: The pole and "U" shaped rungs shall be die-formed 1" pipe. The spider climber shall be a welded assembly.

Spiral Climber: The spiral climber and extension tube shall be entirely constructed of 1" pipe, formed, drilled and all solid welded construction with plastic pipe plugs inserted in open ends.

Wiggly Worm Climber: The assembly shall comprise loops solid welded to frames, all of 1-1/4" pipe, 10 ga.

Bumper Ladder: The "top" shaped bumper shall be constructed of Rockite supported internally by a pole constructed of 1" pipe, 10 ga. Each bumper shall measure 18" high x 19" wide.

Arch Enclosure: The enclosure assembly shall consist of top supports, an extension tube, and an arched upright, which shall be constructed of 1" pipe, drilled, formed, and mashed, and vertical rungs which shall be constructed of 1" tube. The enclosure assembly shall be solid welded.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The climber assemblies, arch enclosure, and clamps shall have a Mira-Cote finish. The Rockite bumpers used on Bumper Ladders shall have color molded in.

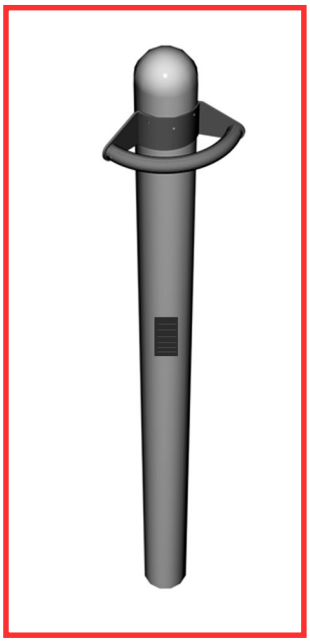
Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of the underlined items.

MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice
Crunch Station

714-782

Crunch Station



Kids' Choice

Crunch Station

MODEL #	PRODUCT	PROT. AREA	CONCRETE
714-782	Crunch Station	6'-8" radius/post	See Post Spec.

DESCRIPTION:

The Crunch Station is a semi-circular horizontal rung assembly designed for mounting on a 5" steel deck post with the rung set 50" - 80" from finished grade. The Crunch Station enables the user to perform leg lifts and crunches in a standing position.

MATERIALS:

Crunch Station: The Crunch Station shall be constructed of a cut and formed 1" pipe segment solid welded to support and bolt plates of 7 ga. galvanized steel.

Fasteners: All hardware for deck and component attachment shall be Fastener Style A.

Finish: The Crunch Station shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

MIRACLE
RECREATION EQUIPMENT COMPANY

PRODUCT SPECIFICATIONS

Model 714-815: Vertical Ladder for 5' Deck
Model 714-815-3: Vertical Ladder for 3' Deck
Model 714-815-6: Look-Out Ladder for 6'-6" Deck
Model 714-815-8: Look-Out Ladder for 8' Deck

Dec. 19, 2002 Rev. E

714-815-3

714-815

714-815-6

714-815-8

PRODUCT SPECIFICATIONS

Model 714-815: Vertical Ladder for 5' Deck
Model 714-815-3: Vertical Ladder for 3' Deck
Model 714-815-6: Look-Out Ladder for 6'-6" Deck
Model 714-815-8: Look-Out Ladder for 8' Deck

Dec. 19, 2002 Rev. E

DESCRIPTION:
The vertical ladder is used as an entry to or an exit from a 3', 5', 6'-6" or 8' high deck.

Model	Ground Space	Deck Ht.
714-815	3'-4" x 2"	5' deck
714-815-3	3'-4" x 2"	3' deck
714-815-6	3'-4" x 2"	6'-6" deck
714-815-8	3'-4" x 2"	8' deck

Concrete for footing: .10 cubic yards required.

MATERIALS:

Ladder: The ladder consists of siderails with inserts and rungs, all constructed of 1" pipe, and all solid welded .

Enclosure Assembly: The enclosure assembly consists of top supports, a bottom support, and an arched upright, which are constructed of 1" pipe, drilled, formed, and mashed, and vertical rungs which are constructed of 1" tube. The enclosure assembly is solid welded.

Fasteners: All hardware is fastener style A.

Versalok Fasteners: All Versalok Fasteners for deck and component attachment are aluminum alloy.

Finishes: The ladder assemblies, enclosure assembly, and clamps have a Mira-Cote finish.

(CONSULT THE GLOSSARY OF TECHNICAL DATA FOR MATERIALS, PROCESSES AND FINISHES OF THE UNDERLINED ITEMS.)

Kids' Choice®

Wave Barriers

714-816W

Wave Barrier, Full Bar

714-8161W

Wave Barrier, Full Mesh

MODEL #	PRODUCT
714-816-W	Wave Barrier, Full Bar
714-816-1W	Wave Barrier, Full Mesh

DESCRIPTION

The Wave Barrier is designed to provide fall protection on Kids' Choice Deck systems.

MATERIALS

Bar Barrier: The barrier shall comprise a frame with uprights and rungs of 1.315" O.D. x 14 ga. galvanized, embossed tubing, fully welded. Brackets of 11 ga. galvanized sheet steel are stitch welded to the tubing to complete the frame. Top Barrier shall be Mira-Therm.

Mesh Barrier: The barrier shall comprise a frame with uprights and rungs of 1.315" O.D. x 14 ga. galvanized, embossed tubing, fully welded. Brackets of 11 ga. galvanized sheet steel are stitch welded to the tubing to complete the frame. Top Barrier shall be Mira-Therm. Mesh shall be constructed of galvanized welded wire, 0.224" dia.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The frame and clamps shall have a Mira-Cote finish. The Top Barrier shall be available in Mira-Therm finishes.

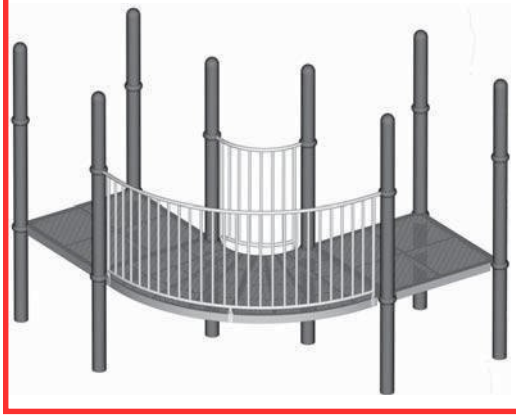
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Kids' Choice® - Mira-Therm II

Ramp 90° Level - Between Decks MT II, Between Decks w/Arch, Open Handrail MT II

714-856-L9

Ramp 90° Level Between Decks MT II



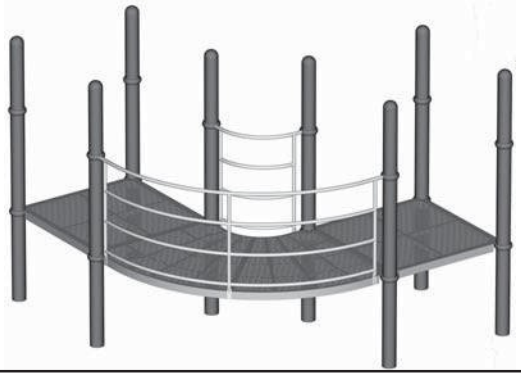
714-856-L9A

Ramp 90° Level Between Decks w/Arch

Note: Climber shown for position only, not included in assembly. Climber footing(s) must be located on-site during installation.

714-856-L59

Ramp 90° Level Open Handrail MT II



MODEL	PRODUCT	GROUND SPACE	CONCRETE
714-856-L9	Ramp 90° Level Between Decks MT II	6'-0" x 6'-0"	N/A
714-856-L9A	Ramp 90° Level Between Decks w/Arch	**	**
714-856-L59	Ramp 90° Level Open Handrail MT II	6'-0" x 6'-0"	N/A

*** Refer to planned climber specifications for ground space and concrete requirements.*

DESCRIPTION

The Ramp 90° Level Between Decks are horizontal walkways between adjacent deck systems set at right angles to each other. Spoked or open handrails enclose the ramps on both sides. Model 714-856-L9A features an arch enclosure in the center of its spoked outer enclosure for attachment of a separate climber.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Ramp 90° Level

Kids' Choice® - Mira-Therm II

Ramp 90° Level - Between Decks MT II, Between Decks w/Arch, Open Handrail MT II

MATERIALS

Ramp: The PVC ramps shall be constructed with 11 ga. steel sheet perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The deck frame shall be constructed by folding edges to form 3" tall walls and shall be supported by solid welded braces of 1/4" x 1-1/2" flat.

Spoked Handrails: The spoked handrail assemblies shall consist of a top and bottom rail and uprights. The top and bottom rails shall be constructed of 1" pipe with in-fill uprights of 1" tube. The assembly shall contain end uprights and a single stub (on the outer enclosure's bottom rail) of 1" pipe with mashed ends for field attachment to the ramp. The entire assembly shall be solid welded.

Arch Enclosure: The arch enclosure shall comprise top supports, an extension tube, and arched upright, all constructed of 1" pipe, welded in the center of an outer spoked enclosure (described above). The arched upright shall be formed, mashed and punched.

Open Handrails: The open handrail assemblies shall consist of top, bottom and middle rails and uprights of 1" pipe. The uprights shall have mashed ends for field attachment to the ramp. The entire assembly shall be solid welded.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The handrails and clamps shall be finished in Mira-Cote. The ramps shall have a Mira-Therm finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

714-856-L9, 714-856-L9A, 714-856-L59

Kids' Choice®

Steel Posts - 5" O.D., 13 ga. Round Tube

Steel Posts - 5" O.D., 13 ga.

MODEL	DESCRIPTION	USES	PART NUMBER
714-549-13	88" Maze Post	Sensory Panel	925342*
714-549-33	112" Deck Post	3' Decks	995226*
714-549-43	124" Deck Post	4' Decks	995227*
714-551-3	106" Deck Post	2'-6" Decks & less	990728*
714-552-3	136" Deck Post	3' to 5' Decks	990729*
714-553-3	160" Deck Post	5'-6" to 6'-6" Decks	990730*
714-554-3	178" Deck Post	7' to 8' Decks	990731*
714-556-3	196" Deck Post	10' Deck	990808*
714-571-3	106" Post (Roof)	Ground Level	213008*
714-572-3	144" Deck Post (Roof)	3' Decks & less	990734*
714-573-3	168" Deck Post (Roof)	3'-6" to 5' Decks	990735*
714-574-3	186" Deck Post (Roof)	5'-6" to 6'-6" Decks	990736*
714-575-3	196" Deck Post (Uses 2 for Flippo Roof)	6'-6" Deck	990809*
714-576-3	204" Deck Post (Roof)	8' Deck	213018*

Note: An (*) by a part number indicate: Color Code Required.

CONCRETE 0.13 cubic yards required per post

DESCRIPTION Posts are used for support of deck systems and freestanding components.

MATERIALS

Steel Post Assembly: Steel posts shall be constructed of 5" tube, 13 ga. Posts not designed for roof assemblies shall have 5" round end caps pressed in at the factory.

Fasteners: Components shall be field assembled to Posts by means of Versalok Fasteners, Fastener Style A hardware and/or Fastener Style B hardware.

Finishes: Post assemblies and clamps shall be finished in Mira-Cote.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Kids' Choice®

Vortex Groove II® Slides

714-638-4U

4' Vortex Groove II Slide

714-638-5U

5' Vortex Groove II Slide

714-638-6U

6' & 6'-6" Vortex Groove II Slide

714-638-8U

8' VortexGroove II Slide

MODEL #	PRODUCT	GRND SPC.	PROT. AREA	CONCRETE
714-638-4U	4' Vortex Groove II Slide	2'-2" x 5'-9"	16' x 15'	.04 cu. yds.
714-638-5U	5' Vortex Groove II Slide	2'-2" x 7'-6"	20' x 15'	.04 cu. yds.
714-638-6U	6' & 6'-6" Vortex Groove II Slide	2'-2" x 10'-3"	24' x 15'	.08 cu. yds.
714-638-8U	8' Vortex Groove II Slide	2'-2" x 13'-1"	28' x 15'	.08 cu. yds.

DESCRIPTION

The Vortex Groove II Slides features a hooded canopy and a streamline slide design. Groove II is designed to exit from either a 4', 5', 6', 6'-6" or 8' Deck.

Kids' Choice®

Vortex Groove II® Slides

MATERIALS:

Slide: The canopy panel and one-piece slide shall be constructed of double wall Rockite. The slide shall have 6" high side rails, an overall width of 25", an 18" wide sliding surface and approximate 7' (714-638-4), 9' (714-638-5), 12' (714-638-6) and 15' (714-638-8) bedway length. The canopy panel shall be field mounted to deck and to post clamps via a 41-1/2" long rung constructed of 1" pipe.

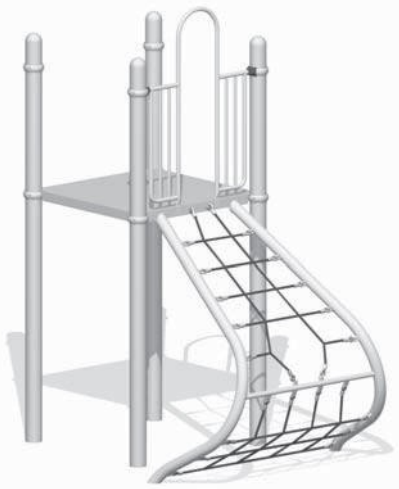
Legs: The legs shall be 2" pipe, welded to an 11 ga. A-60 Galvannealed mounting bracket.

Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The rung, legs, and clamps shall have a Mira-Cote finish. The Rockite slide and canopy shall have molded-in color.

714-678-6

Backtrack Climber, 78"



714-678-8

Backtrack Climber, 96"

MODEL #	PRODUCT	PROT AREA	CONCRETE
714-678-6	Backtrack Climber, 78"	19'-4" X 16'-11"	0.09 cu. yds.
714-678-8	Backtrack Climber, 96"	19'-4" x 16'-11"	0.09 cu. yds.

DESCRIPTION

The Backtrack Climber is intended as a ground-to-deck climber.

MATERIALS

Arch Entry Enclosure: The arch entry enclosure shall consist of a an arched upright and top rails of 1" pipe and vertical infill of 3/4" x 1" oval tube, all solid welded.

Post Weldment: Post weldment shall comprise two posts constructed of RDTB ILG 88.9 mm x 3 mm, deck connection of 4.5 mm galvanized sheet, cross bar stub constructed of RDTB ILG 3.4 mm x 3 mm, and block swing hanger F/D Shackle ZN/YLW DI-CRO.

Climber: Climber net shall be constructed of 19 mm rope with "D" style 300 ss large shackles.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The post weldments, enclosure and clamps shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Kids' Choice®

Wave Roof

714-680-4C
Square Wave Roof with Topper

714-680-6C
Hex Wave Roof with Topper

DESCRIPTION

Wave Roofs shall act as an attractive roof to provide shade to your system.

MATERIALS

Roof/Topper: Roof and Post Topper shall be constructed of Rockite®.

Post Weldments: Post Weldment shall comprise an angle plate, cape and plate of 3 mm galvanized sheet, a tube support of RDTB ILG 60.3 mm x 2.7 mm, a 12.5 mm diameter steel rod roof support and a swage constructed of RDTB ILG 127.0 mm x 3.0 mm.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Kids' Choice®

Wave Topper

714-680-4T
Square Wave Topper

714-680-6T
Hex Wave Topper

DESCRIPTION

Wave Toppers shall act as an attractive roof to provide shade to your system.

MATERIALS

Post Topper Post topper shall be constructed of Rockite®.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Kids' Choice®

Avalanche Slide

714-682-5

Avalanche Slide W/Tubes

714-682-51

Avalanche Slide w/Mesh

MODEL #	PRODUCT	PROT. AREA	GROUND SPACE	CONCRETE
714-682-5	Avalanche Slide w/Tubes	21'-3" x 20'-4"	10' x 7'-7"	0.17 cu. yds.
714-682-51	Avalanche Slide w/Mesh	21'-3" x 20'-4"	10' x 7'-7"	0.17 cu. yds.

DESCRIPTION

The Wave Barrier is designed to provide fall protection on Kids' Choice Deck systems.

MATERIALS

Bar Barrier: The barrier shall comprise a frame with uprights and rungs of 1.315" O.D. x 14 ga. galvanized, embossed tubing, fully welded. Brackets of 11 ga. galvanized sheet steel are stitch welded to the tubing to complete the frame. Top Barrier shall be Mira-Therm.

Mesh Barrier: The barrier shall comprise a frame with uprights and rungs of 1.315" O.D. x 14 ga. galvanized, embossed tubing, fully welded. Brackets of 11 ga. galvanized sheet steel are stitch welded to the tubing to complete the frame. Top Barrier shall be Mira-Therm. Mesh shall be constructed of galvanized welded wire, 0.224" dia.

Slide Legs: Legs shall comprise a support and a foot. Support tube shall be constructed of RDTB ILG 42.2 mm x 2.3 mm welded to a vertical constructed of RDTB ILG 33.4 mm x 3 mm. Foot shall be mashed on one end and constructed of RDTB ILG 33.4 mm x 2.3 mm.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Kids' Choice®
Avalanche Slide

Avalanche Slide: Slide shall be constructed of Rock-ite and shall feature 3 graduating slide bedways.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The frame and clamps shall have a Mira-Cote finish. The Top Barrier shall be available in Mira-Therm finishes.

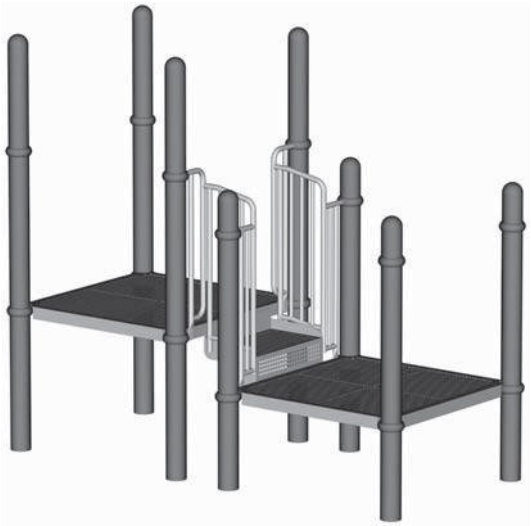
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Product Specifications

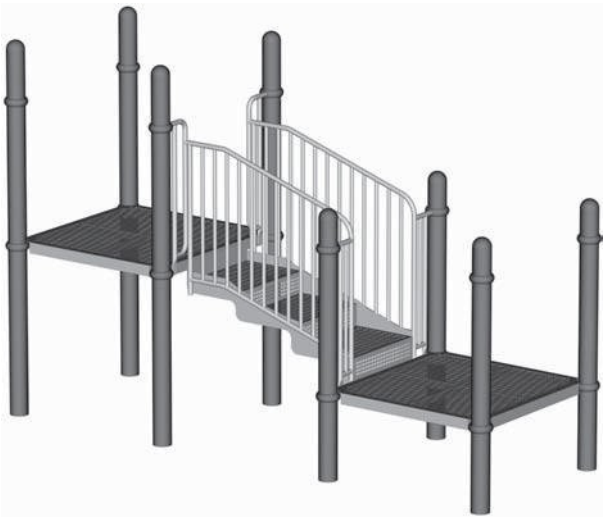
Kids' Choice® - Mira-Therm II
ADA **Stairs Between Decks** - **1'**, **2'**, **2'-6"** & **1'-6"** Rise

714-810-9 & 714-959-9 | 714-959-59 & 714-959-49 | 714-959-459 | 5 additional stair models

Stair (ADA) - 1' Rise Between Decks with Spoked Handrails, 1'-4" Span

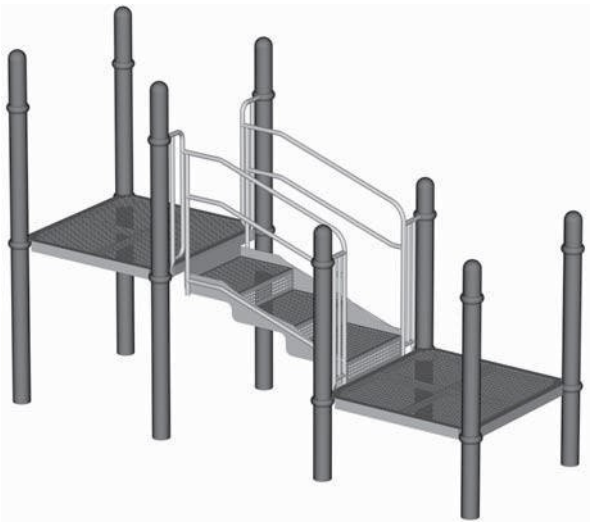


Stair (ADA) - 2' Rise Between Decks with Spoked Handrails, 4'-6" Span



714-810-9 & 714-959-9 | **714-959-59 & 714-959-49** | 714-959-459 | 5 additional stair models

Stair (ADA) - 2' Rise Between Decks with Open Handrails, 4'-6" Span



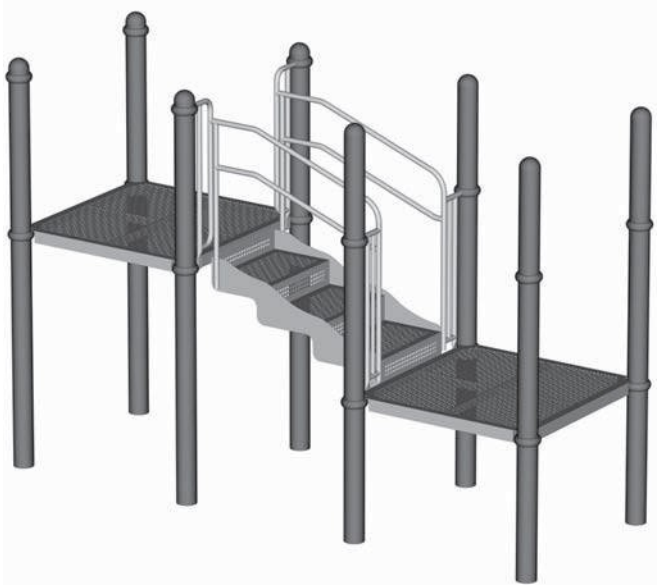
Stair (ADA) - 2' Rise Between Decks with Spoked Handrails, 4'-0" Span

Kids' Choice® - Mira-Therm II

ADA Stairs Between Decks

714-810-9 & 714-959-9 | 714-959-59 & 714-959-49 | **714-959-459** | 5 additional stair models

Stair (ADA) - 2' Rise Between Decks with Open Handrails, 4'-0" Span



5 additional stair models | **714-960-9** | 714-993-9 & 714-993-59 | 714-993-49 & 714-993-459

Stair (ADA) - 2'-6" Rise Between Decks with Spoked Handrails, 6'-0" Span

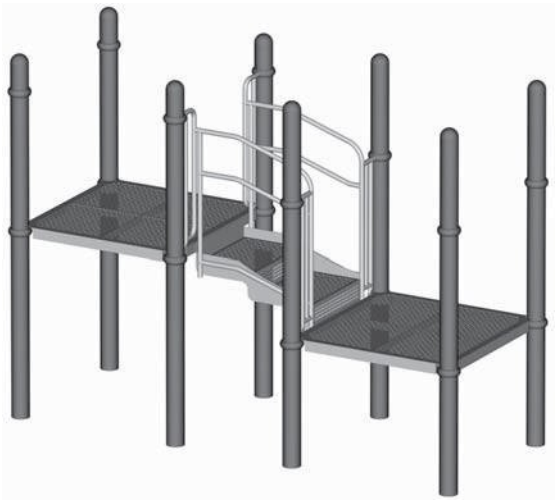
MIRACLE RECREATION EQUIPMENT COMPANY

Kids' Choice® - Mira-Therm II
ADA Stairs Between Decks

5 additional stair models: 714-960-9 | **714-993-9 & 714-993-59** | 714-993-49 & 714-993-459

Stair (ADA) - 1'-6" Rise Between Decks with Spoked Handrails, 3'-0" Span

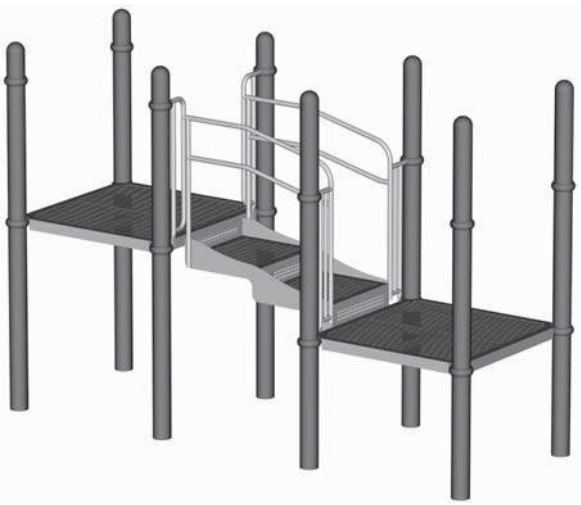
Stair (ADA) - 1'-6" Rise Between Decks with Open Handrails, 3'-0" Span



5 additional stair models: 714-960-9 | 714-993-9 & 714-993-59 | **714-993-49 & 714-993-459**

Stair (ADA) - 1'-6" Rise Between Decks with Spoked Handrails, 4'-0" Span

Stair (ADA) - 1'-6" Rise Between Decks with Open Handrails, 4'-0" Span



714-810-9, 714-959-9, 714-959-59, 714-959-49, 714-959-459, 714-960-9, 714-993-9, 714-993-59, 714-993-49, 714-993-459

ADA Stairs Between Decks

714-810-9, 714-959-9, 714-959-59, 714-959-459, 714-960-9, 714-993-9, 714-993-59, 714-993-49, 714-993-459

Kids' Choice® - Mira-Therm II

ADA Stairs Between Decks

MODEL #	PRODUCT
714-810-9	ADA Stair Between Decks, 1' Rise, Spoked Handrails, 1'-4" Span
714-959-9	ADA Stairs Between Decks, 2' Rise, Spoked Handrails, 4'-6" Span
714-959-59	ADA Stairs Between Decks, 2' Rise, Open Handrails, 4'-6" Span
714-959-49	ADA Stairs Between Decks, 2' Rise, Spoked Handrails, 4'-0" Span
714-959-459	ADA Stairs Between Decks, 2' Rise, Open Handrail, 4'-0" Span
714-960-9	ADA Stairs Between Decks, 2'-6" Rise, Spoked Handrails, 6'-0" Span
714-993-9	ADA Stairs Between Decks, 1'-6" Rise, Spoked Handrails, 3'-0" Span
714-993-59	ADA Stairs Between Decks, 1'-6" Rise, Open Handrails, 3'-0" Span
714-993-49	ADA Stairs Between Decks, 1'-6" Rise, Spoked Handrails, 4'-0" Span
714-993-459	ADA Stairs Between Decks, 1'-6" Rise, Open Handrails, 4'-0" Span

DESCRIPTION

These ADA-compliant stairs connect decks of differing heights and include handrails.

MATERIALS

Steps: The wide step assemblies, approximately 26-3/8" before PVC-dip coating, shall be constructed of steel stringers solid welded to formed treads of 11 ga. steel sheet that are perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. The braces shall be constructed of 11 ga. black.

Spoked Handrails: Spoked handrail enclosures shall consist of a top and bottom rail and newel post, all of 1" pipe, and uprights of 3/4" x 1" oval tube, all solid welded. The top rails shall contain 3/8" aluminum inserts. Plastic pipe plugs shall close open ends.

Open Handrails: Open handrail enclosures shall consist of a top and bottom rail and newel post, all of 1" pipe, solid welded. The top rails shall contain 3/8" aluminum inserts. Plastic pipe plugs shall close open ends.

Top Stair Enclosure: The top stair enclosure shall consist of enclosure rails and an upright, both of 1" pipe, drilled and solid welded. The upright shall be mashed on one end.

Bottom Deck Enclosure: The bottom deck enclosure shall consist of enclosure rails and an upright of 1" pipe, drilled, and a spoke of 3/4" x 1" oval tube, all solid welded. The upright shall be mashed on one end. Plastic pipe plugs shall close open ends.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The stairs shall be finished in Mira-Therm. The handrails, enclosures, and clamps shall have a Mira-Cote finish.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

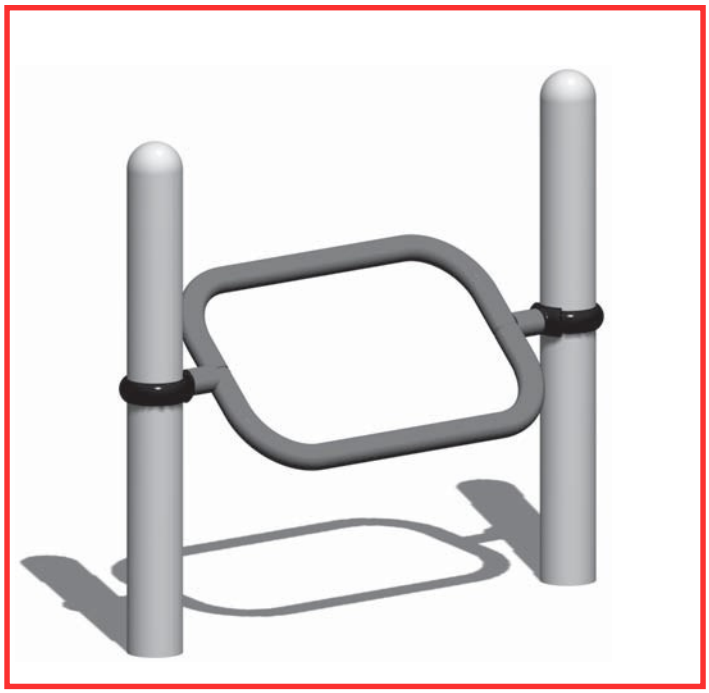
Product Specifications

MIRACLE RECREATION EQUIPMENT COMPANY

Kids' Choice®
Loop Seat

714-817-1B

Loop Seat



MODEL #	PRODUCT	PROT. AREA	GRND. SPC.
714-817-1B	Loop Seat	17' x 13'-10"	4'-6" x 1'-4"

DESCRIPTION

The Loop Seat is an inventive, economical way for kids to rest between play. The Loop Seat easily installs between existing Deck Posts and is situated at a comfortable 45° angle to create a combination seat and back rest.

MATERIALS

Loop Seat: The Loop Seat shall consist of two loop halves constructed of 2" pipe, solid welded to each other to create one Loop Seat. Each loop half shall measure 32-5/8" in length and 14-13/16" in height. Two 4-3/8" stubs shall be solid welded to short sides of Loop Seat and shall be constructed of 2" pipe.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The Loop Seat shall be finished in Mira-Cote.

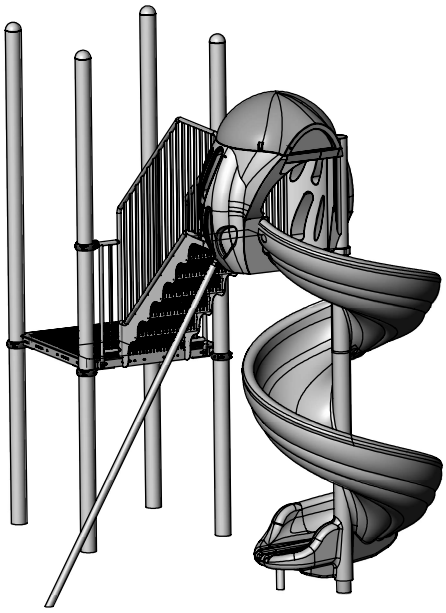
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Kids' Choice® - Mira-Therm™ II

9'-4" & 12' Typhoon Slides w/Domed Wave Hood from 5', 6', 6'-6", 8' and 10' Decks

71475959U

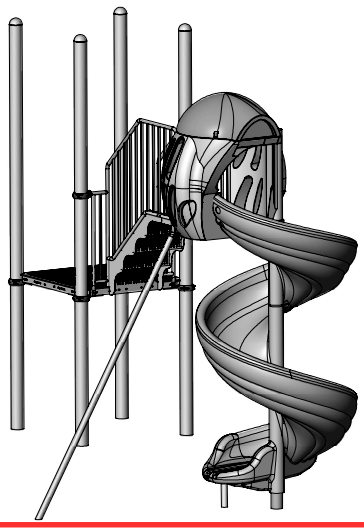
Typhoon Slide w/Domed Wave Hood from 5' Deck, 630°, 9'-4" Platform



714-759-69U & 714-759-69UC

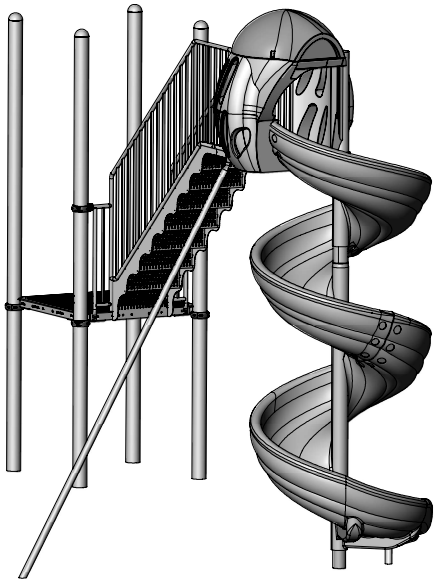
Typhoon Slide w/Domed Wave Hood from 6' & 6'-6" Deck, 630°, 9'-4" Platform

Typhoon Slide w/Domed Wave Hood from 6' & 6'-6" Deck, 630°, 9'-4" Platform, CSA



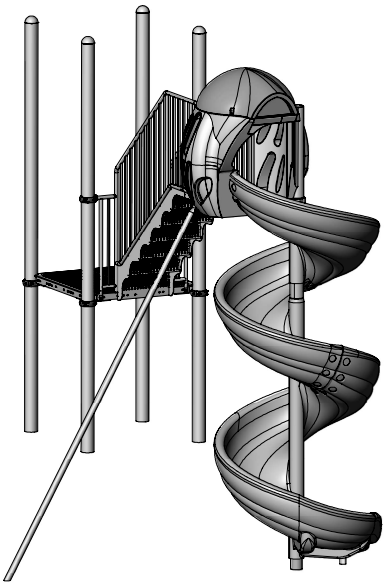
714-769-69U

Typhoon Slide w/Domed Wave Hood from 6' & 6'-6" Deck, 855°, 12' Platform



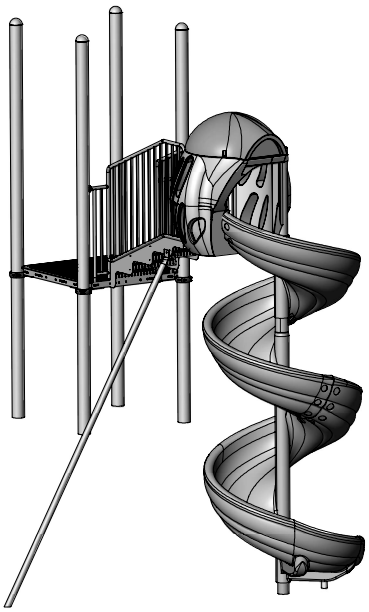
714-769-89U

Typhoon Slide w/Domed Wave Hood from 8' Deck, 855°, 12' Platform



Kids' Choice® - Mira-Therm™ II

9'-4" & 12' Typhoon Slides w/Domed Wave Hood from 5', 6', 6'-6", 8' and 10' Decks



714-769-109U

Typhoon Slide w/Domed Wave Hood from 10' Deck, 855°, 12' Platform

MODEL #	PRODUCT	OVERALL HT.	GRND SPC.	PROT. AREA	CONCRETE
714-759-59U	Typhoon Slide from 5' Deck, 9'-4" Platform	13'-10"	9'-3" x 9'-5"	22'-8" x 24'-4"	0.40 cu. yds.
714-759-69U	Typhoon Slide from 6' & 6'-6" Deck, 9'-4" Platform	13'-10"	8'-2" x 9'-5"	21'-7" x 22'-7"	0.40 cu. yds.
714-759-69CU	Typhoon Slide from 6' & 6'-6" Deck, 9'-4" Platform	13'-10"	8'-2" x 9'-5"	21'-7" x 22'-7"	0.40 cu. yds.
714-769-69U	Typhoon Slide from 6' & 6'-6" Deck, 12' Platform	16'-6"	8'-9" x 10'-10"	23'-6" x 24'-6"	0.40 cu. yds.
714-769-89U	Typhoon Slide from 8' Deck, 12' Platform	16'-6"	8'-9" x 9'-3"	23'-10" x 24'	0.40 cu. yds.
714-769-109U	Typhoon Slide from 10' Deck, 12' Platform	16'-6"	8'-8" x 8'-11"	22' x 23'-8"	0.40 cu. yds.

DESCRIPTION

These Typhoon slides are 630° and 855° open bedway spiral slides with step assemblies and domed wave hood, featuring platform heights of 9'-4" and 12', designed for attachment to 5', 6', 6'-6", 8' and 10' decks.

MATERIALS

Slide Assembly: The slide bedway shall be constructed of 1/4" to 5/16" wall Rockite. The slide bedway shall be 30" wide with a 15" high sidewall. The center post shall be constructed of 4" pipe.

Step Assembly/ Stair Extension: The step assembly and stair extension shall be constructed of 11 ga. steel sheet folded and perforated with a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center, solid welded to stringers of 11 ga. black steel.

Handrail Assembly: The handrail assembly shall consist of a top and bottom rail and newel post, formed, constructed of 1" pipe with infill of 3/4" x 1" oval tube. The step enclosure assembly shall be solid welded. Plastic pipe plugs shall close open ends.

Kids' Choice® - Mira-Therm™ II

9'-4" & 12' Typhoon Slides w/Domed Wave Hood from 5', 6', 6'-6", 8' and 10' Decks

MATERIALS

Diagonal Brace: The diagonal brace shall be constructed of 2" pipe and shall measure 17'.

Deck Enclosures: The deck enclosures shall consist of a vertical rail, and top and bottom rail, formed, constructed of 1" pipe with an upright of 3/4" x 1" oval tube, and 3/8" aluminum inserts in the rail ends for attachment to the step enclosures. The deck enclosure assembly shall be solid welded.

Slide Hood: The slide hood shall be Rockite with molded-in view grooves for viewing children.

Back-up Plates: The back-up plates used to connect the step assembly and the barrel shall be constructed of 1/4" x 1" x 6" flat steel.

Front Leg: The front leg shall be constructed of 2" pipe and shall be attached to the slide using a channel constructed of 7 ga. sheet.

Fasteners: The assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes The Rockite slide and platform canopy shall have color molded in. The step shall be finished in Mira-Therm. The handrail assemblies, deck enclosures, front leg assembly, and clamps shall have a Mira-Cote finish. The back-up plates shall have an aluminum finish.

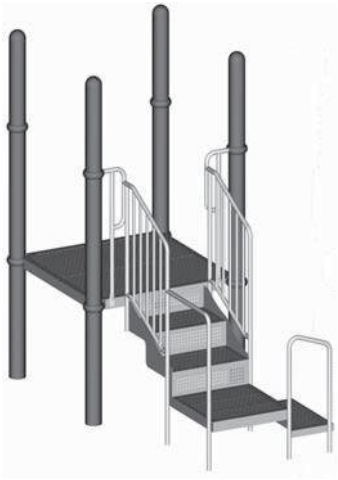
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

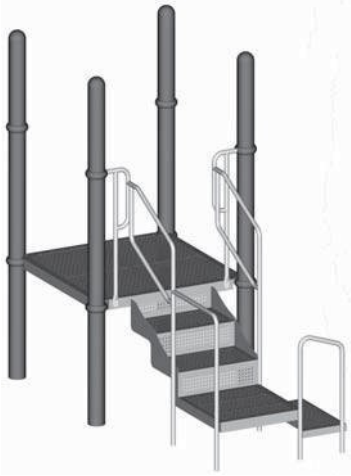
714-851-39

Square Transfer Point for 3' Deck, Closed Bottom step to exit LEFT



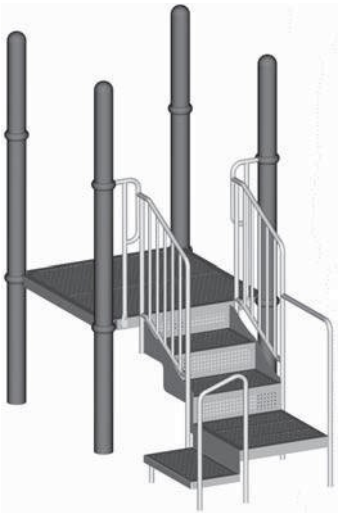
714-851-359

Square Transfer Point for 3' Deck, Open Bottom step to exit LEFT



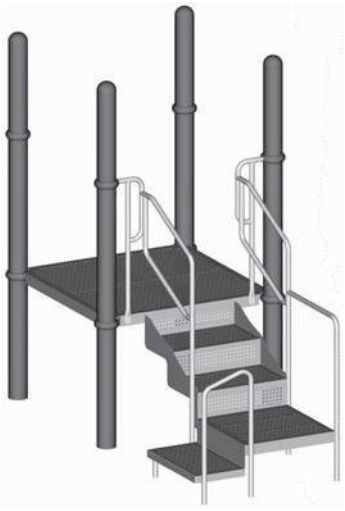
714-851-39

Square Transfer Point for 3' Deck, Closed Bottom step to exit RIGHT



714-851-359

Square Transfer Point for 3' Deck, Open Bottom step to exit RIGHT



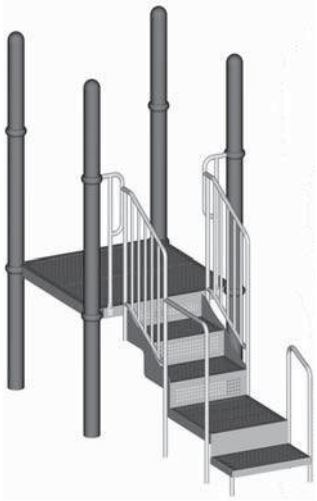
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

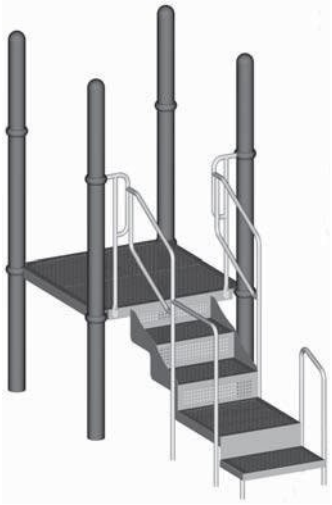
714-851-39

Square Transfer Point for 3' Deck, Closed Bottom step to exit STRAIGHT with handrail on LEFT



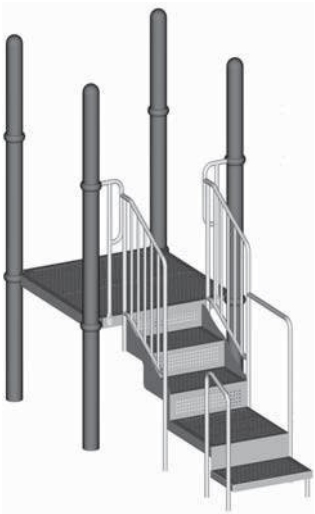
714-851-359

Square Transfer Point for 3' Deck, Open Bottom step to exit STRAIGHT with handrail on LEFT



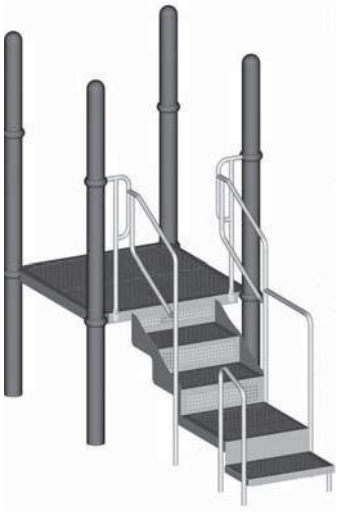
714-851-39

Square Transfer Point for 3' Deck, Closed Bottom step to exit STRAIGHT with handrail on RIGHT



714-851-39

Square Transfer Point for 3' Deck, Open Bottom step to exit STRAIGHT with handrail on RIGHT



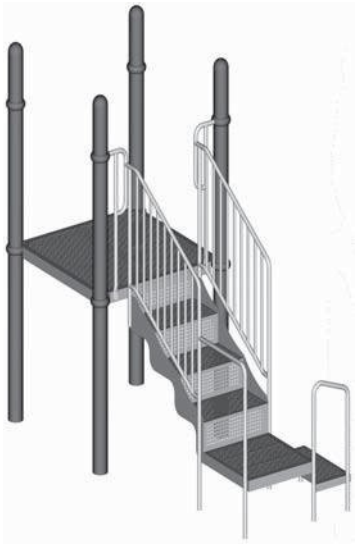
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

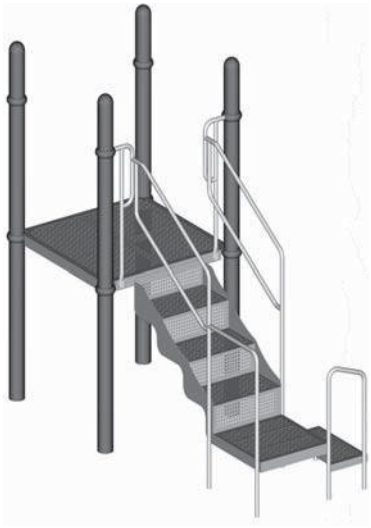
714-851-49

Square Transfer Point for 4' Deck, Closed Bottom step to exit LEFT



714-851-459

Square Transfer Point for 4' Deck, Open Bottom step to exit LEFT

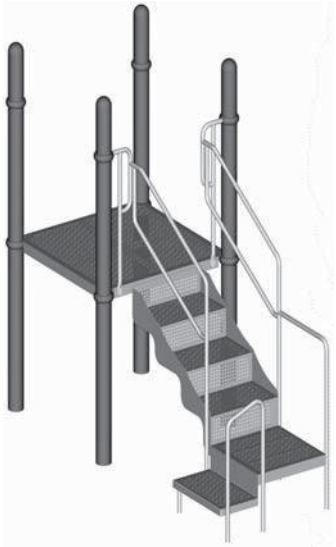


714-851-49

Square Transfer Point for 4' Deck, Closed Bottom step to exit RIGHT

714-851-459

Square Transfer Point for 4' Deck, Open Bottom step to exit RIGHT



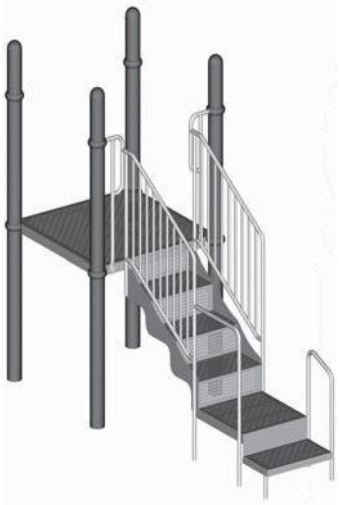
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

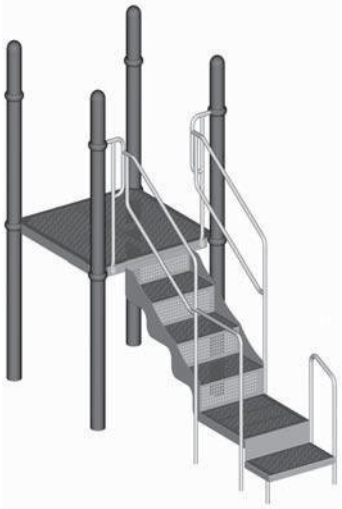
714-851-49

Square Transfer Point for 4' Deck, Closed Bottom step to exit STRAIGHT with handrail on LEFT



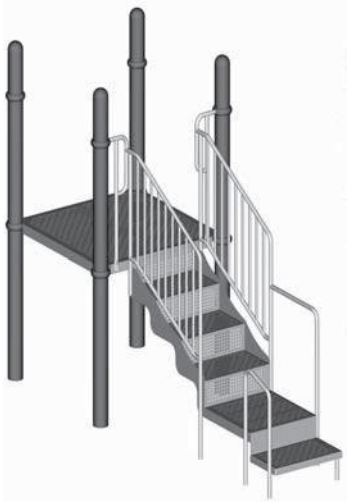
714-851-459

Square Transfer Point for 4' Deck, Open Bottom step to exit STRAIGHT with handrail on LEFT



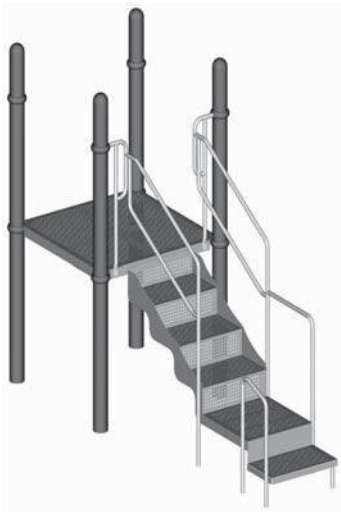
714-851-49

Square Transfer Point for 4' Deck, Closed Bottom step to exit STRAIGHT with handrail on RIGHT



714-851-459

Square Transfer Point for 4' Deck, Open Bottom step to exit STRAIGHT with handrail on RIGHT



Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

714-851-59

Square Transfer Point for 5' Deck, Closed Bottom step to exit LEFT

714-851-59

Square Transfer Point for 5' Deck, Closed Bottom step to exit RIGHT

714-851-59

Square Transfer Point for 5' Deck, Closed Bottom step to exit STRAIGHT with handrail on LEFT

714-851-59

Square Transfer Point for 5' Deck, Closed Bottom step to exit STRAIGHT with handrail on RIGHT

Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

714-851-69

Square Transfer Point for 6' & 6'-6" Deck, Closed
Bottom step to exit LEFT

714-851-69

Square Transfer Point for 6' & 6'-6" Deck, Closed
Bottom step to exit RIGHT

714-851-69

Square Transfer Point for 6' & 6'-6" Deck, Closed
Bottom step to exit STRAIGHT

714-851-69

Square Transfer Point for 6' & 6'-6" Deck, Closed
Bottom step to exit STRAIGHT

Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

MODEL #	PRODUCT	ORIENTATION	GRND. SPC.	PROT. AREA	CONCRETE
714-851-39	Sqr. Transfer Point, 3' Dk, Closed	Left or Right ...	4'-9" x 4'-0"	17'-2" x 16'-0"	0.30 cu. yds.
		Straight ...	5'-10" x 3'-6"	18'-3" x 14'-11"	0.30 cu. yds.
714-851-359	Sqr. Transfer Point, 3' Dk, Open	Left or Right ...	4'-9" x 4'-0"	17'-2" x 16'-0"	0.30 cu. yds.
		Straight ...	5'-10" x 3'-6"	18'-3" x 14'-11"	0.30 cu. yds.
714-851-49	Sqr. Transfer Point, 4' Dk, Closed	Left or Right ...	5'-11" x 4'-1"	18'-4" x 16'-0"	0.30 cu. yds.
		Straight ...	7'-0" x 3'-6"	19'-5" x 14'-11"	0.30 cu. yds.
714-851-459	Sqr. Transfer Point, 4' Dk, Open	Left or Right ...	5'-11" x 4'-1"	18'-4" x 16'-0"	0.30 cu. yds.
		Straight ...	7'-0" x 3'-6"	19'-5" x 14'-11"	0.30 cu. yds.
714-851-59	Sqr. Transfer Point, 5' Dk, Closed	Left or Right ...	8'-3" x 4'-0"	20'-9" x 16'-0"	0.30 cu. yds.
		Straight ...	9'-4" x 3'-6"	21'-10" x 14'-11"	0.30 cu. yds.
714-851-69	Sqr. Transfer Point, 6' Dk, Closed	Left or Right ...	10'-8" x 4'-1"	23'-1" x 16'-0"	0.40 cu. yds.
		Straight ...	11'-9" x 3'-6"	24'-2" x 14'-11"	0.40 cu. yds.

DESCRIPTION

These models are designed to assist disabled users gain access to and egress from a deck system.

MATERIALS

Stair Assembly: Each stair assembly shall be constructed of 11 ga. steel stringers solid welded to 11 ga. steel sheet decking that is perforated in a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. Approximate dimensions of stair assembly shall be 26" overall width, 14" deep step tread and 8" high step rise.

Transfer Point Deck: Each 26" square (approximate) transfer point deck shall be constructed of 11 ga. steel sheet folded to form approximately 3" high sidewalls. The decking shall be perforated in a staggered pattern of 3/8" diameter holes at 5/8" apart center-to-center. It shall be reinforced with cross braces of 3/16" x 2" HR flat solid welded.

Bottom Step: The bottom step shall be constructed of 11 ga. steel sheet (with folded edges) perforated in an identical pattern. The step shall be approximately 26" wide by 14" deep by 6-1/2" high.

Deck Enclosures: Deck enclosures shall be constructed of formed 1" pipe, including a welded upright of the same material. Each assembly shall be drilled for field assembly of a stair handrail, and shall have its bottom end mashed and punched for field assembly to deck.

Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails

Deck systems not included in these assemblies.

MATERIALS *(continued)*

Stair Handrail and Stair/Deck Handrail: Stair handrail assemblies shall be welded upper and lower handrails of formed 1" pipe. Closed handrails shall contain vertical uprights of 3/4" x 1" oval tube welded within. Swaged handrail extensions for field assembly to handrails shall be constructed of 1" pipe. A transfer deck handrail constructed of formed 1" pipe shall be field assembled to one handrail newel upright and transfer point deck edge. Models designed for assembly to 5' and 6' or 6'-6" decks shall contain handrail sleeve supports constructed of 1-1/4" pipe, 10 ga.

Transfer Step Handrail: The "U"-shaped transfer step handrail shall be formed 1" pipe, drilled for field assembly to transfer point deck and bottom step. Its apex shall be 36-1/8" from finished grade.

Rung Leg: The rung leg shall be 1" pipe with ends mashed and punched for field assembly to bottom step.

Fasteners: Each assembly shall contain Versalok Fasteners and Fastener Style A hardware.

Finishes: The stairs, bottom step, and transfer point deck shall be finished in Mira-Therm. The deck enclosures, handrails, extensions, sleeves, and leg shall be finished in Mira-Cote.

Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Risk Management Sign

Note: English version shown.

MODEL	PRODUCT	GROUND SPACE	CONCRETE
787	Risk Management Sign - English	1'-6" x 3'-6"	0.09 cu. yd.
787FR	Risk Management Sign - French	1'-6" x 3'-6"	0.09 cu. yd.
787FRENG	Risk Management Sign - French/English	1'-6" x 3'-6"	0.09 cu. yd.
787SP	Risk Management Sign - Spanish	1'-6" x 3'-6"	0.09 cu. yd.
787BD	Risk Management Sign - English Surface MT	1'-6" x 3'-6"	site specific
787BDFR	Risk Management Sign - French Surface MT	1'-6" x 3'-6"	site specific
787BDFRENG	Risk Management Sign - French/English SM	1'-6" x 3'-6"	site specific
787BDSP	Risk Management Sign - Spanish Surface MT	1'-6" x 3'-6"	site specific

DESCRIPTION

The Risk Management Sign is intended to inform the parents and children that adult supervision is recommended, along with smart play on the equipment in the play area.

MATERIAL

Sign: Fiberglass embedded, gloss finish, 0.125" thick.

Steel Frame: 2-3/8" OD 12 gauge galvanized steel tubing, 13 gauge galvanized steel sheet for mounting sign, and 3/8" thick hot rolled steel base plate on each leg.

Extension Tube: 2.375 12GA GLV-IL X 24' tube round.

Hardware: Stainless steel that requires tooling to install or remove.

Finish: The frame shall have a Mira-Cote finish.

Bug Bites® "C" Spring Rider - Lucky

IMPORTANT! Prior to installation of any components, refer to **Playsystem Installation Guidelines and Tips** in the *Install 101* section of your manual. This section will provide important tips pertaining to **site preparation**, **footings, system stabilization**, and other necessary information **vital to the success of your installation.**

960

"C" Spring Rider - Lucky

MODEL	PRODUCT	GRND SPACE	PROT. AREA	CONCRETE
960	"C" Spring Rider - Lucky	2'-11" x 4'-4"	17' x 16'	0.25 cu. yds.

DESCRIPTION

This "C" Spring Rider is designed to provide children with an engaging, fun and safe physical activity that stimulates imaginative play while encouraging sharing and cooperation. "C" Spring Riders feature traditional "rocking horse" type movement using one "flat strip" style spring, formed into a "C" shape. Model # 960 is shaped like a ladybug.

MATERIAL

Rider Body: The rider body shall consist of a Rockite figure supported by a body frame. Wall thickness of molded components shall be 3/16" to 1/4". The body frame shall consist of front and/or rear supports constructed of 1-1/2" tube and/or of 2" x 2" x 1/4" angle, a cross member constructed of 1-1/4" pipe, and handholds of Gator Grip.

"C" Spring: The "C" springs shall be constructed of 3/8" or 7/16" spring steel, 4" wide by approximately 41-1/2" long, bent 180 degrees to form a large "C".

Pinch Plate: Pinch Plates shall be constructed of 1/4" flat sheet.

Base Weldment: Base Weldments shall comprise an anchor plate constructed of 1/8" x 2" flat sheet, a bracket of 7 ga. sheet, and a center tube constructed of 5" tube, all solid welded.

Fasteners: All hardware shall be Fastener style A.

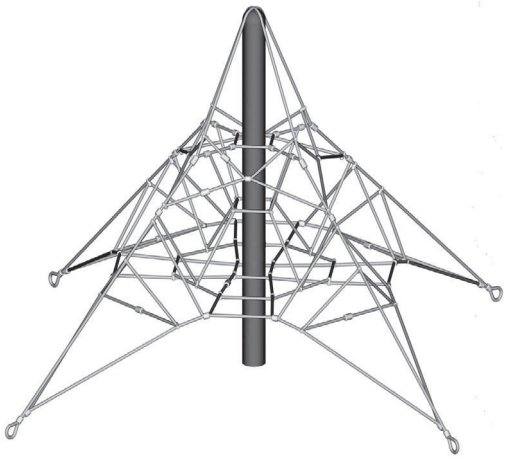
Finish: The Rockite rider bodies shall have color molded in. Lucky shall have molded in color for the spots and molded in decals for the eyes. Handholds shall have a galvanized finish. The "C" springs shall be finished in Mira-Cote™.

Webscapes™ Activity Nets

Libra® (2m), **Pegasus**™ (4m) and **Aquarius**® (6m) - In Ground

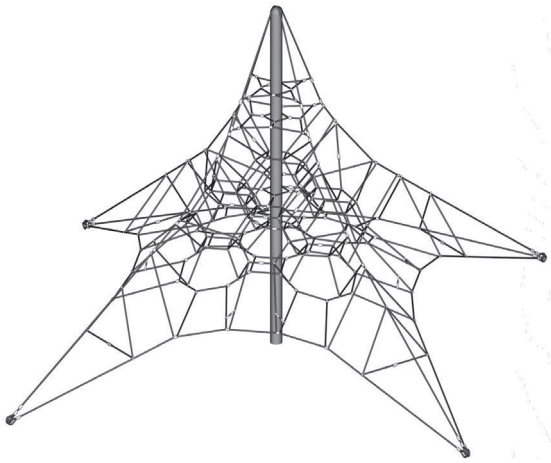
4422

Libra (2m) Activity Net



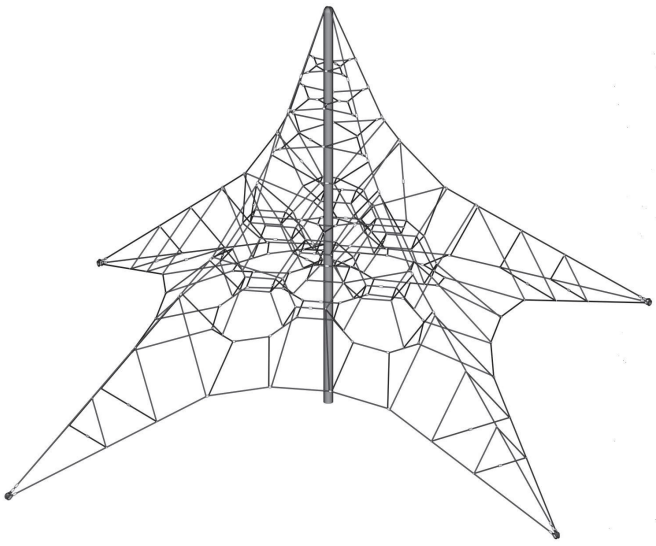
4424

Pegasus (4m) Activity Net



4426

Aquarius (6m) Activity Net



Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Webscapes™ Activity Nets
Libra® (2m), **Pegasus**™ (4m) and **Aquarius**® (6m) - In Ground

MODEL	PRODUCT	GRND SPC	PROT AREA	CONCRETE
4422	Webscapes Libra (2m) Activity Net	10' x 10'	22' x 22'	4.0 cu. yds.
4424	Webscapes Pegasus (4m) Activity Net	18' x 18'	31' x 31'	4.0 cu. yds.
4426	Webscapes Aquarius (6m) Activity Net	26' x 26'	39' x 39'	11.13 cu. yds.

DESCRIPTION

Webscapes Activity Nets are freestanding climbers comprising interlinked nylon ropes anchored to the ground in four (4) corners and ascending to the apex of a central mast.

MATERIALS

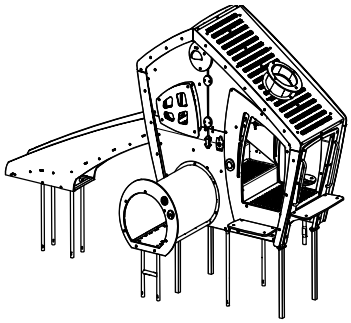
Activity Nets: The nets shall be constructed of 18mm diameter, steel reinforced nylon braided rope with heavy duty aluminum joints hydraulically pressed into position (with a bursting strength in excess of 2.5 metric tons), a CNC machined top cap, galvanized foundation steelwork, and a central mast of 5" O.D., 11 ga., stainless steel tube. The nylon rope is specially woven to produce a durable yet extremely soft covering. The rope shall have a minimum safe working load of 9000 kg and shall comply with ISO R114/DS2114 and ISO 2232.

Fasteners: The assembly shall contain Fastener Style A hardware.

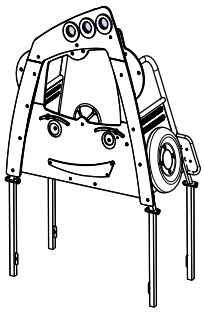
Finishes: The nylon braided rope shall be available in a variety of colors.

Mini City - Community Helper, Truck, Playhouse, Silly Tree, Garden Crawl Tunnel, Sensory Garden Wall (Double Sided), Traffic Light, Chattery

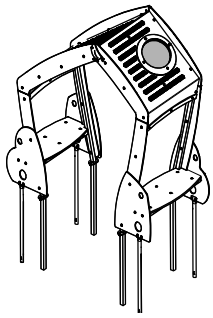
MR0880, MR0880BD
Mini City Community Helpers



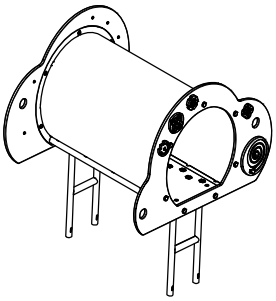
MR0881, MR0881BD
Mini City Truck



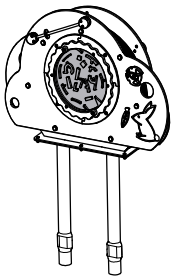
MR0882, MR0882BD
Mini City Playhouse



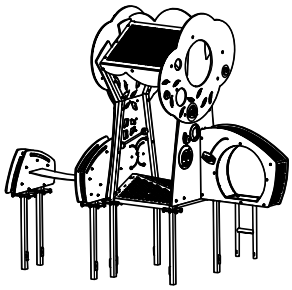
MR0883, MR0883BD
Mini City Garden Crawl



MR0884, MR0884BD
Mini City Sensory Garden
Wall Double Sided

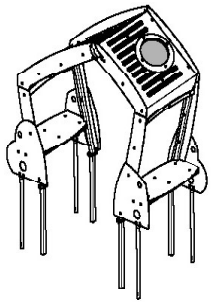


MR0885, MR0885BD
Mini City Silly Tree

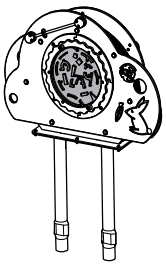


MR0886, MR0886BD
Mini City Traffic Light

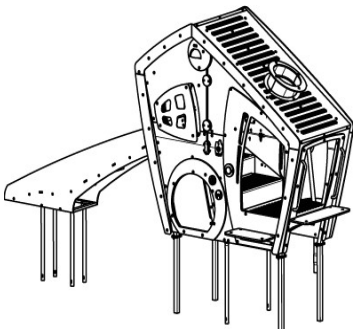
MR0887, MR0887BD
Mini City Chattery



MR0888, MR0888BD
Mini City Sensory Garden
Wall Single Sided



MR0889, MR0889BD
Mini City Community Helpers
w/o Crawl Tube



Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Mini City - Community Helper, Truck, Playhouse, Silly Tree, Garden Crawl Tunnel, Sensory Garden Wall (Double Sided), Traffic Light, Chattery

MODEL	PRODUCT	GROUND SPACE	CONCRETE
MR0880	Mini City Community Helpers (In-Ground)	29'-0" x 23'-0"	1.10 cu. yds.
MR0880BD	Mini City Community Helpers (Bolt Down)	29'-0" x 23'-0"	1.10 cu. yds.
MR0881	Mini City Truck (In-Ground)	NA	0.24 cu. yds.
MR0881BD	Mini City Truck (Bolt Down)	NA	0.24 cu. yds.
MR0882	Mini City Playhouse (In-Ground)	14'-0" x 17'-0"	0.48 cu. yds.
MR0882BD	Mini City Playhouse (Bolt Down)	14'-0" x 17'-0"	0.48 cu. yds.
MR0883	Mini City Garden Crawl (In-Ground)	17'-0' x 17'-0'	0.06 cu. yds.
MR0883BD	Mini City Garden Crawl (Bolt Down)	17'-0' x 17'-0'	0.06 cu. yds.
MR0884	Mini City Sensory Garden Wall Double Sided (In-Ground)	NA	0.12 cu. yds.
MR0884BD	Mini City Sensory Garden Wall Double Sided (Bolt Down)	NA	0.12 cu. yds.
MR0885	Mini City Silly Tree (In-Ground)	23'-0" x 18'-0"	NA
MR0885BD	Mini City Silly Tree (Bolt Down)	23'-0" x 18'-0"	NA
MR0886	Mini City Traffic Light (In-Ground)	NA	0.13 cu. yds.
MR0886BD	Mini City Traffic Light (Bolt Down)	NA	0.13 cu. yds.
MR0887	Mini City Chattery (In-Ground)	NA	0.48 cu. yds.
MR0887BD	Mini City Chattery (Bolt Down)	NA	0.48 cu. yds.
MR0888	Mini City Sensory Garden Wall Single Sided (In-Ground)	NA	0.12 cu. yds.
MR088BD	Mini City Sensory Garden Wall Single Sided (Bolt Down)	NA	0.12 cu. yds.
MR0889	Mini City Community Helpers w/o Crawl Tube (In-Ground)	29'-0" x 20'-0"	1.10 cu. yds.
MR0889BD	Mini City Community Helpers w/o Crawl Tube(Bolt Down)	29'-0" x 20'-0"	1.10 cu. yds.

DESCRIPTION

The Mini City Playhouses are designed to be enjoyed by children of all abilities, including autism, developmental delays and those that use mobility devices. Children can use their imagination, improve strength, agility and mobility.

MATERIALS

Steel Frame: Shall be constructed from 2" square tubing, 16-gage galvanized steel tubing, 1/4" steel plates.

Steel Frame: (Sensory Garden Wall, Traffic Light) Shall be constructed from 12-gage and 14-gage galvanized steel.

Steel Roof/End Walls: Shall be constructed from 12-gage galvanized steel plate.

Stairs: Shall be constructed from 12-gage steel coated with durable, thermoplastic coating.

Deck Platform: Shall be constructed from 12-gage steel coated with durable, thermoplastic coating.

Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Mini City - Community Helper, Truck, Playhouse, Silly Tree, Garden Crawl Tunnel, Sensory Garden Wall (Double Sided), Traffic Light, Chattery

MATERIALS cont.

Rope:	Shall be 16mm rope with aluminum connector.
Steel Crawl Tube:	Shall be constructed from 14-gage galvanized steel, 8-gage galvanized steel, 1-1/4" pipe, 13-gage galvanized steel tubing.
Steel Climber:	Shall be constructed from 1-1/2" pipe, 13-gage galvanized steel tubing, 8-gage and 1/4" steel plate.
Plastic Slide:	Shall be 1/2" HDPE bedway, 3/4" HDPE sides.
Plastic Steps/Seat:	Shall be 3/4" textured HDPE.
Plastic Walls/Ends/ Panels:	Shall be 3/4" HDPE.
Plastic Tire:	Shall be rotationally molded LLDPE.
Skylight: (Chattery)	Shall be 1/4" Koda XT.
Skylight: (Playhouse, Chattery)	Shall be 3/16" screen printed Lexan.
Castings:	Shall be 319 aluminum.
Finishes:	Finishes shall be in Mira-Cote.
Fasteners:	All fastening hardware shall be Fastener Style A.
Shelves:	Shall be constructed from 12-gage steel.
Graphic Panels:	Shall be 1/4" fiberglass signs.
Dog Door/Belt Bridge:	Shall be 3/8" Flextread.
Colored Lenses:	Shall be 1/8" acrylic colored panels with 3/16" Lexan covers.

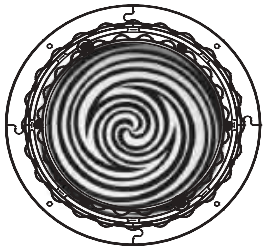
Consult Miracle's "Glossary of Technical Data for Materials, Processes and Finishes" for specifications of underlined items.

Miracle Product Specifications

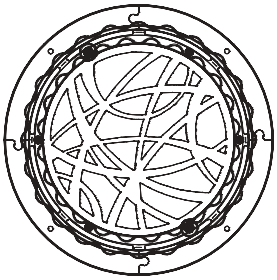
Activity Panel Inserts

ACTIVITY PANEL INSERTS

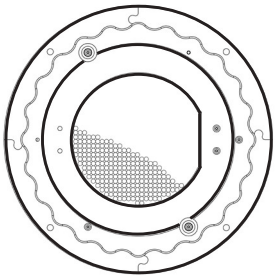
714-715-201
Hypnotize Insert



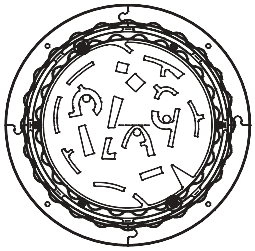
714-715-202
Funhouse Insert



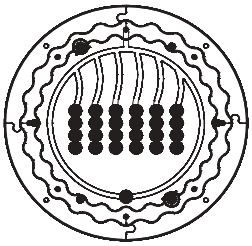
714-715-203
Very Buried Insert



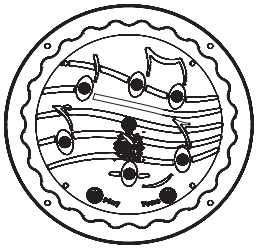
714-715-204
A-maze-ing Insert



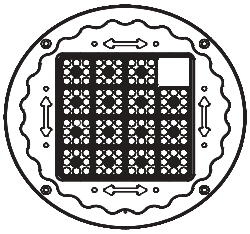
714-715-205
Four-the-Win Insert



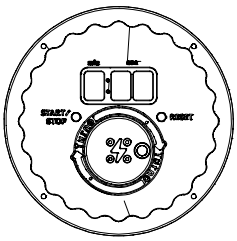
714-715-206
Magical Music Insert



714-715-207
Slide & Solve Insert

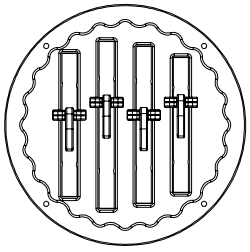


714-715-208
3-Digit RG Timer Insert

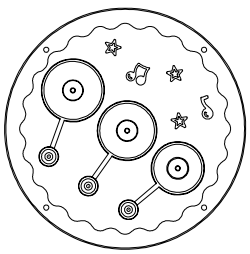


714-715-216
Solar Explorer Panel Insert
f/ KC/TC/TCX

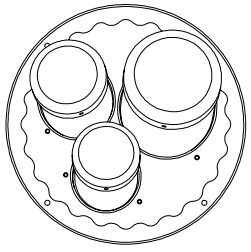
714-715-209
Cam Chimes Panel Insert
f/ KC/TC/TCX



714-715-212
3 Bell Panel Insert
f/ KC/TC/TCX



714-715-213
Bongo Panel Insert
f/ KC/TC/TCX



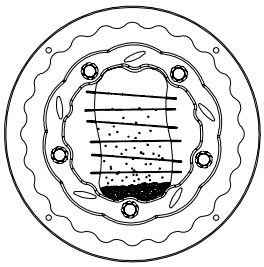
Consult Miracle's "Glossary of Technical Data for Materials, Processes & Finishes" for specifications of underlined items.

Activity Panel Inserts

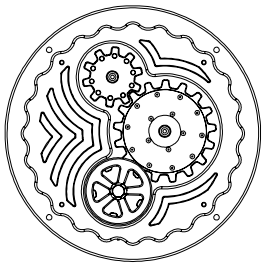
Activity Panel Inserts

714-715-214
Tongue Drum Panel Insert
f/ KC/TC/TCX

714-715-211
Make It Rain Panel Insert
f/ KC/TC/TCX



714-715-215
Tumble Cog Panel Insert
f/ KC/TC/TCX



DESCRIPTION

These representational activity panel inserts are designed to enhance imagination and creative play.

MATERIALS

Insert Panel Options: Insert panel options shall be constructed from a combination of 1/2" thick high-density polyethylene, 3/4" thick high-density polyethylene, 3/16" thick polycarbonate, linear low-density polyethylene caps and stainless steel ball bearings.

714-715-201, 714-715-202, 714-715-203, 714-715-204, 714-715-205, 714-715-206, 714-715-207, 714-715-208, 714-715-209, 714-715-211, 714-715-212, 714-715-213, 714-715-214, 714-715-215, 714-715-216

18535 Old Statesville Rd., Suite C
Cornelius, NC 28031

APS-Border8	8” Playground Border with spike
Dimensions:	52” x 4” x 8”
Spike:	18” spike
Manufacturing:	100% recycled, post-industrial HDPE, Blow Mold Construction
Weight:	10# with spike

APS-Border12	12” Playground Border with spike
Dimensions:	52” x 4” x 12”
Spike:	28” spike
Manufacturing:	100% recycled, post-industrial HDPE, Blow Mold Construction
Weight:	10# with spike

Both the 8” and 12” playground borders feature APS Exclusive “Surfacing Guide”

U.S. Patent D732,357

model no:

LTSG300D, LTSG301D, LTSG303D, LTSG304D, LTSG306D, LTSG307D, LTSG312D, LTSG313D, LTSG315D, LTSG316D, LTSG318D, LTSG319D, MRSG300D, MRSG301D, MRSG303D, MRSG304D, MRSG306D, MRSG307D, MRSG312D, MRSG313D, MRSG315D, MRSG316D, MRSG318D, MRSG319D, ZZSG300D, ZZSG301D, ZZSG303D, ZZSG304D, ZZSG306D, ZZSG307D, ZZSG312D, ZZSG313D, ZZSG315D, ZZSG316D, ZZSG318D, ZZSG319D

WABASH VALLEY

SIGNATURE SERIES

6' & 8' BENCH WITH & WITH OUT BACK – EXPANDED METAL & PERFORATED – PORTABLE, INGROUND & SURFACE MOUNT

customer service:

ASSEMBLERS: If you find any parts missing or damaged, or if you're having difficulty assembling your furniture/equipment, call us at:

*** Before calling, have your product model number available.**

1–800–253–8619 (Inside U.S.A.)
260–352–2102 (Outside U.S.A.)
Monday thru Friday,
8:00 AM – 4:30 PM Eastern Time
(EXCEPT HOLIDAYS)

Any correspondence concerning our product should be sent directly to our Customer Service Manager at:

Wabash Valley Manufacturing, Inc.
505 E. Main Street
P.O.Box 5
Silver Lake, IN 46982 U.S.A.
FAX: 260–352–2160

maintenance:

Regular inspection and maintenance of all parts, and fasteners is necessary. Tighten all bolts and nuts. Inspect Tops, Seats, Legs, Braces and Fasteners periodically for wear or vandalism. Replace broken or worn parts immediately or take equipment out of service until repairs are made. Use genuine Wabash Valley replacement parts.

To restore plastisol coating to its luster after prolonged use, wash/rinse/dry and use Armor–All ® or similiar quality vinyl protectant.

KEEP THIS ASSEMBLY/SPECIFICATION SHEET FOR FUTURE REFERENCE.

specifications:

NOTE: We reserve the right to change specifications without notice.

Heat fused poly–vinyl coating, finished on inner–metal structure, to an approximate 3/16" thickness. Framework assemblies are finished with powder coating; electrostatically applied and oven cured according to powder manufacturer's specifications. Fasteners are stainless steel to resist corrosion.

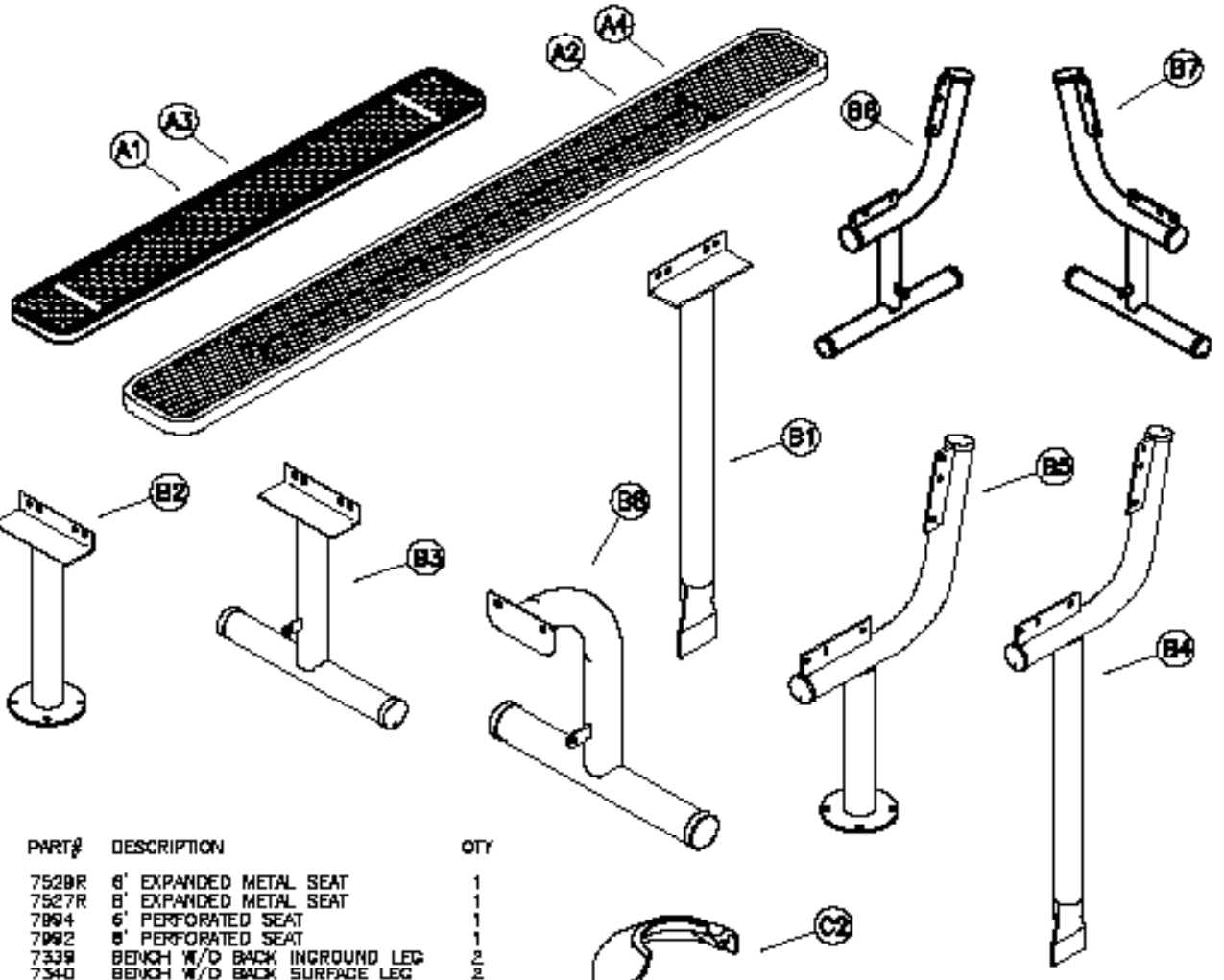
BENCH FRAME:
Main supports are constructed of 2 3/8" od x 12 gage structural steel tubing. Braces are 1" od x 15 gage structural steel tubing. Mounting brackets on legs are 1/4" x 2" steel flat bar or 10 gage sheet steel. Base plates are 1/4" plate steel.

SEATS:
Seat and back uses 3/4" #9 expanded steel mesh and 12 gage sheet steel for the perforated. Framing consists of die formed 10 gage mitered angles 3/4" x 1 3/4". Center brace and mounting brackets are 1/4" x 1 1/2" steel flat bar.

GENERAL:
6' bench ground space requirements are; inground and surface mount with out back is 10 3/8" x 72 3/8", with back is 19 5/8" x 72 3/8", portable with out back is 18 1/8" x 72 3/8", with back is 23 3/16" x 72 3/8". Seats are 10 3/8" wide x 72 3/8" long, 19" to top of seat and 31 3/4" to top of bench. Corner radius is 3" to the outside.

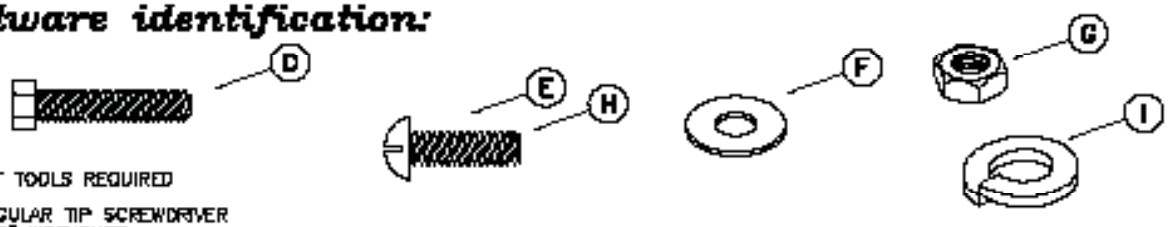
8' Bench ground space requirements are; inground and surface mount with out back is 10 3/8" x 96 3/8", with back is 19 5/8" x 96 3/8", portable with out back is 18 1/8" x 96 3/8", with back is 23 3/16" x 96 3/8". Seats are 10 3/8" wide x 96 3/8" long, 19" to top of seat and 31 3/4" to top of bench. Corner radius is 3" to the outside.

parts identification:



ITEM	PART#	DESCRIPTION	QTY
A1	7528R	6' EXPANDED METAL SEAT	1
A2	7527R	8' EXPANDED METAL SEAT	1
A3	7994	6' PERFORATED SEAT	1
A4	7992	8' PERFORATED SEAT	1
B1	7339	BENCH W/O BACK INGROUND LEG	2
B2	7340	BENCH W/O BACK SURFACE LEG	2
B3	7341	BENCH W/O BACK PORTABLE LEG	2
B4	7345	BENCH W/BACK INGROUND LEG	2
B5	7346	BENCH W/BACK SURFACE LEG	2
B6	7347	BENCH W/BACK PORTABLE RIGHT LEG	1
B7	7348	BENCH W/BACK PORTABLE LEFT LEG	1
B8	7072	8' RE/PLAYER PORTABLE LEG	2
C1	7366	BRACE	2
C2	7120	MOUNTING PLATE COVER (OPTIONAL)	2
C3	7073	8' RE/PLAYER BRACE	2

hardware identification:



ASSEMBLY TOOLS REQUIRED

1 – REGULAR TIP SCREWDRIVER
2 – 1/2" WRENCHES
1 – 3' OR 6' LEVEL

ITEMS INCLUDED IN HARDWARE PACKAGE #:			21011	21012	21013	21014	21088	21076	21101
ITEM	PART#	DESCRIPTION	QTY	QTY	QTY	QTY	QTY	QTY	QTY
D	17011	5/16-18 x 1 1/2" HEX HEAD BOLT – SS	6	8	10	4	4	8	0
E	17088	5/16-18 x 1" TRUSS HEAD MACHINE SCREW – SS	2	0	2	0	0	0	0
F	17028	3/8" FLAT WASHER – SS	16	16	24	8	8	16	0
G	17032	5/16-18 HEX FINISH NUT – SS	8	8	12	4	4	8	0
H	17052	1/4-20 x 1" MACHINE SCREW – SS	0	0	0	0	0	0	2
I	17050	5/16" SPLIT LOCK WASHER – SS	8	8	12	4	4	8	0

assembly procedures:

IMPORTANT: Assemblers should be reasonably skilled in the assembly of commercial grade/heavy duty fabricated steel equipment.

To ensure proper assembly, it is suggested that you take adequate time to locate and identify each part. To prevent scratching of the finished pieces, we recommend this unit to be assembled on a clean, flat, solid, surface with a drop cloth, allowing plenty of working room. **Also please read the instructions and study the sketches very carefully.** A little extra time spent before assembly will be well worth it in performing a complete, proper assembly. Please note that all parts have been precut and pre-drilled.

During the assembly process leave all bolts and nuts "finger tight", until the entire unit is completely assembled. This allows room for movement to level or adjust all seats, tops, benches, framework and braces if necessary. **After final adjustment and leveling, permanently tighten all nuts, bolts and fasteners.**

PORTABLE WITH BACK

STEP 1
Invert the (A-) seat upside down on an elevated surface. Place edge of seat flush with surface. Attach both (B6) and (B7) right and left legs to the outer most part of the seat's mounting brackets, with the tab on each leg facing each other toward the center of the seat, see FIG. 1. Use two, per leg, (D) and (G) using two (F) and one (I) per (D).

STEP 2
Attach one end of the (C1) brace to tab on leg. Use one (E), (G), (I) and two (F) per (E). Attach opposite end of brace to the center brace on the seat. Use one (D), (G), (I) and two (F) per (D). Repeat STEP 2 for other end.

STEP 3
Rotate bench to the upright position. Attach the second seat (A1) or (A2) to the outer most part of the bench's back mounting bracket, see FIG. 2. Use two, per each side, (D) and (G) using two (F) and one (I) per each (D).

FIG. 1

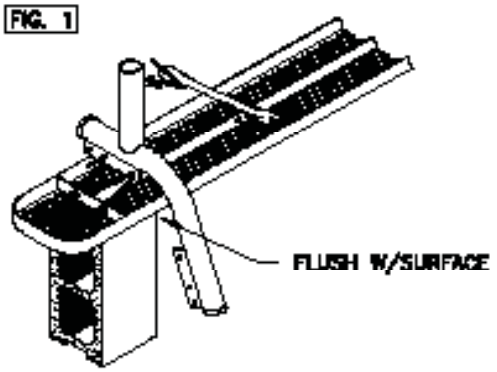
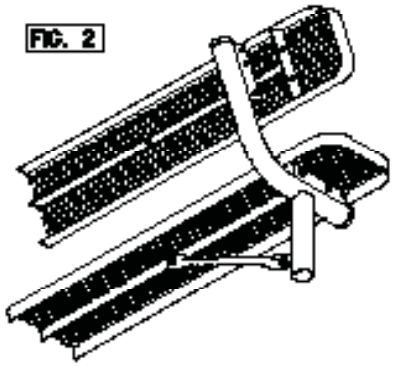


FIG. 2



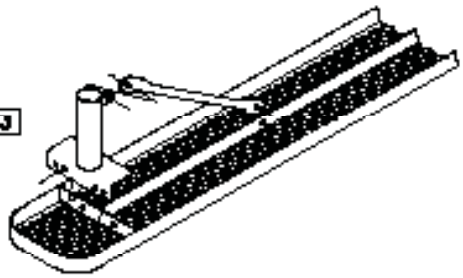
PORTABLE WITH OUT BACK

STEP 1
Invert the (A-) seat upside down on a flat surface. Attach both (B3-6') or (B8-8' not shown) legs to the outer most part or the seat's mounting brackets, with the tab on each leg facing each other toward the center of the seat, see FIG. 3. Use two, per leg, (D) and (G) using two (F) and one (I) per (D).

STEP 2
Attach one end of the (C1-6") or (C3-8') brace to tab on leg. Use one (E), (G), (I) and two (F) per (E). Attach the opposite end of brace to the center brace on the seat. Use one (D), (G), (I) and two (F) per (D). Repeat STEP 2 for the other end.

STEP 3
Rotate bench to the upright position.

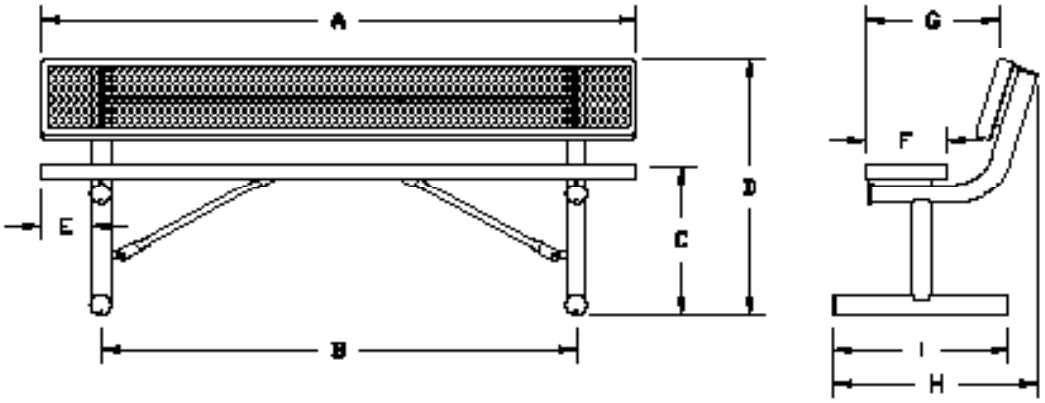
FIG. 3



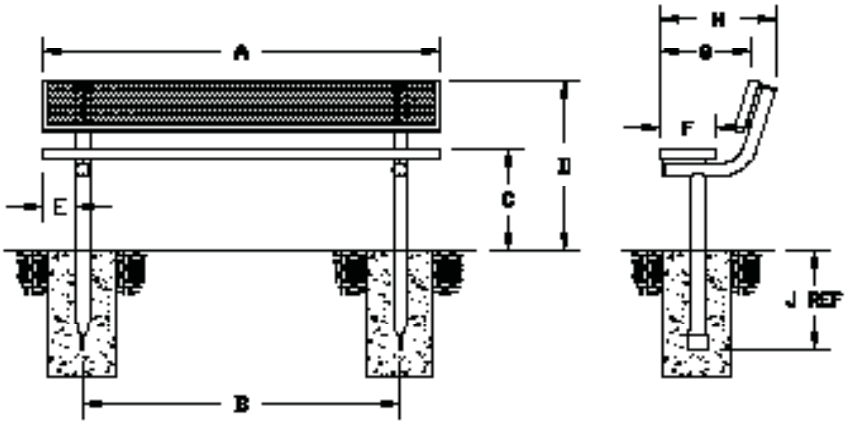
installation:

WARNING: The proper installation for Wabash Valley products may depend upon many factors unique to the site, location, or use of a particular product. Consult with your contractor or other professional to determine your specific installation requirements.

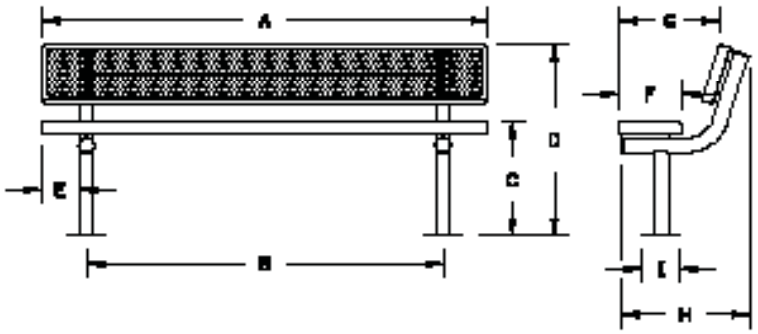
product dimensions:



PORTABLE	A	B	C	D	E	F	G	H	I
6' W/O BACK	72 3/8"	54 1/2"	19"	–	7 3/4"	10 3/8"	–	–	18 1/8"
6' W/ BACK	72 3/8"	57 3/8"	19"	31 3/4"	8 5/16"	10 3/8"	15"	23 3/16"	18 1/8"
8' W/O BACK	96 3/8"	82 1/2"	19"	–	15 3/4"	10 3/8"	–	–	18 1/8"
8' W/ BACK	96 3/8"	85 3/8"	19"	31 3/4"	14 5/16"	10 3/8"	15"	23 3/16"	18 1/8"



INGROUND	A	B	C	D	E	F	G	H	J
6' W/O BACK	72 3/8"	54 1/2"	19"	–	7 3/4"	10 3/8"	–	–	18 1/8"
6' W/ BACK	72 3/8"	57 3/8"	19"	31 3/4"	8 5/16"	10 3/8"	15"	19 5/8"	20 1/8"
8' W/O BACK	96 3/8"	82 1/2"	19"	–	15 3/4"	10 3/8"	–	–	18 1/8"
8' W/ BACK	96 3/8"	85 3/8"	19"	31 3/4"	14 5/16"	10 3/8"	15"	19 5/8"	20 1/8"



SURFACE	A	B	C	D	E	F	G	H	I
6' W/O BACK	72 3/8"	54 1/2"	19"	–	7 3/4"	10 3/8"	–	–	6"
6' W/ BACK	72 3/8"	57 3/8"	19"	31 3/4"	8 5/16"	10 3/8"	15"	19 5/8"	6"
8' W/O BACK	96 3/8"	82 1/2"	19"	–	15 3/4"	10 3/8"	–	–	8"
8' W/ BACK	96 3/8"	85 3/8"	19"	31 3/4"	14 5/16"	10 3/8"	15"	19 5/8"	8"

assembly procedures, cont'd:

SURFACE MOUNT WITH BACK

STEP 1
Invert the (A—) seat upside down on an elevated surface. Place edge of seat flush with surface. Attach both (B5) legs to the outer most part of the seat's mounting brackets, see FIG. 4. Use two, per leg, (D) and (G) using two (F) and one (I) per (D).

STEP 2
Reinvert bench to its top side up position. Attach the second seat (A—) to the outer most part of the bench's back mounting bracket, see FIG. 5. Use two, per each side, (D) and (G) using two (F) and one (I) per each (D).

STEP 3
Prepare and place the foundations securement hardware in its chosen location. A detailed description of where the hole locations should be placed is shown on page 4.

When the foundations securement hardware has been installed, place the unit in its new location and secure to the foundation.

If mounting plate covers (C2) are used place halves around legs and secure with 2 (H) screws, see FIG. 12. Draw to a snug fit being careful not to over tighten.

FIG. 4

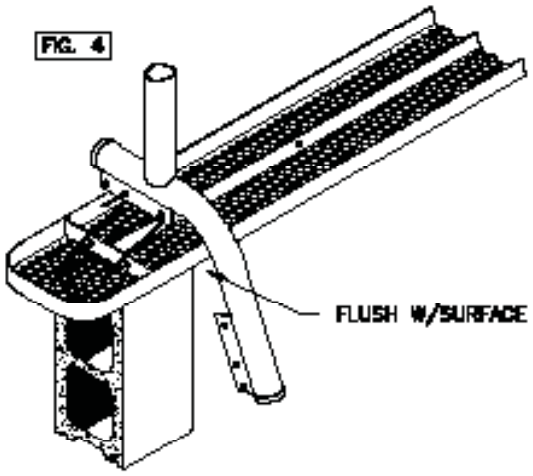
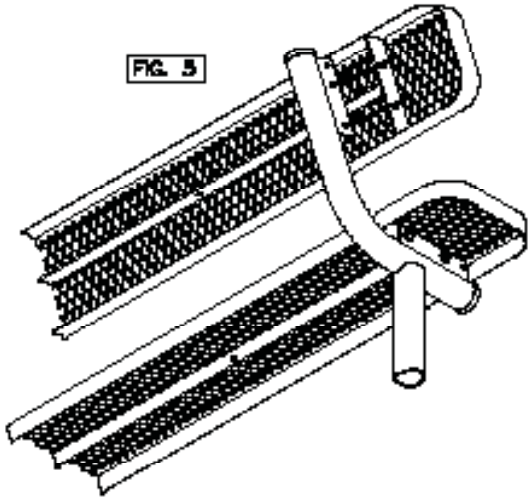


FIG. 5



SURFACE MOUNT WITH OUT BACK

STEP 1
Invert the (A—) seat upside down on a flat surface. Attach both (B2) legs to the outer most part of the seat's brackets, see FIG. 6. Use two, per leg, (D) and (G) using two (F) and one (I) per (D).

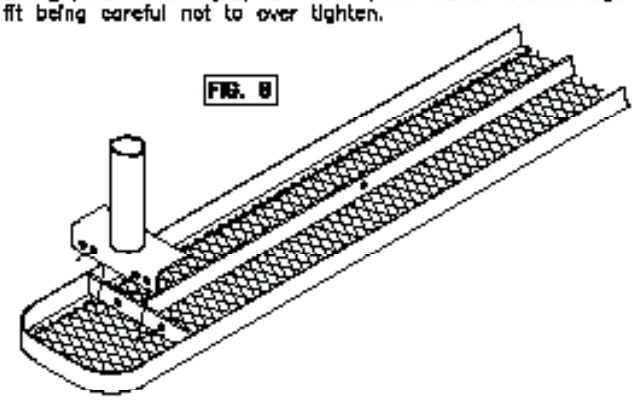
STEP 2
Reinvert bench to its top side up position.

STEP 3
Prepare and place the foundations securement hardware in its chosen location. A detailed description of where the hole locations should be placed is shown on page 4.

When the foundations securement hardware has been installed, place the unit in its new location and secure to the foundation.

If mounting plate covers (C2) are used place halves around legs and secure with 2 (H) screws, see FIG. 12. Draw to a snug fit being careful not to over tighten.

FIG. 6



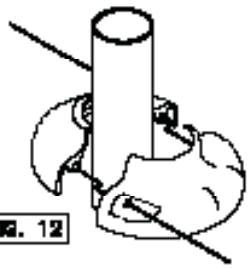


FIG. 12

assembly procedures, cont'd:

INGROUND WITH BACK

STEP 1
Invert the (A—) seatupside down on on elevated surface. Place edge of seat flush with surface. Attach both (B4) legs to the outer—most part of the seat's mounting brackets, see FIG. 7. Use two, per leg, (D) and (G) using two (F) and one (I) per (D).

STEP 2
Prepare two foundation holes as shown in FIG. 8. The distance of holes, center to center, are shown in a diagram on page 4. Reinvert the bench to its' top side up position and place the legs in the footing holes, see FIG. 8.

Before pouring concrete, make sure the bench is level horizontally as well as vertically and holds 19" to the top of the bench. Pour concrete to form the footings and let cure for 48 hours.

STEP 3
Attach the second bench (A1) or (A2) to the outer most part of the bench's back mounting bracket, see FIG. 9. Use two, per each side, (D) and (G) using two (F) and one (I) per each (D).

If mounting plate covers (C2) are used place halfs around legs and secure with 2 (H) screws, see FIG. 12. Draw to a snug fit being careful not to over tighten.

FIG. 7

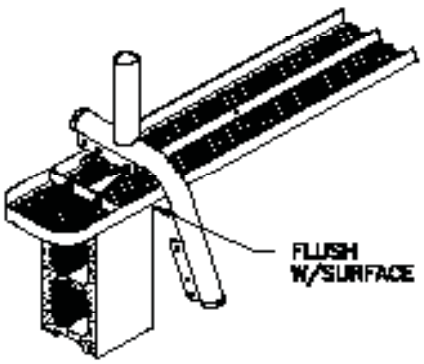


FIG. 8

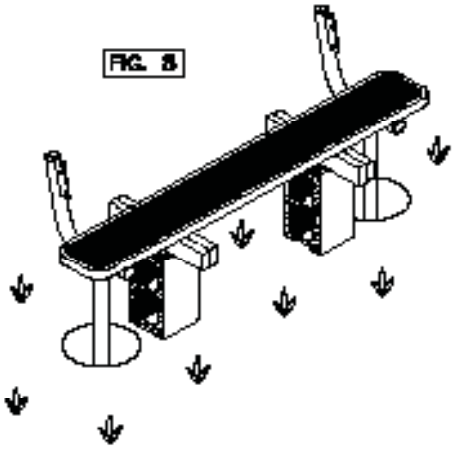


FIG. 9

INGROUND WITH OUT BACK

STEP 1
Invert the (A—) seat upside down on a flat surface. Attach both (B1) legs to the outer most part of the seat's mounting brackets, see FIG. 10. Use two, per leg, (D) and (G) using two (F) and one (I) per (D).

STEP 2
Prepare two foundation holes as shown in FIG. 11. The distance of the holes, center to center, are shown in a diagram on page 4. Reinvert the bench to its' top side up position and place the legs in the footing holes. Block the bench as shown in FIG. 11.

Before pouring concrete, make sure the bench is level horizontally as well as vertically and holds 19" to the top of the bench. Pour concrete to form the footings and let cure for 48 hours.

If mounting plate covers (C2) are used place halfs around legs and secure with 2 (H) screws, see FIG. 12. Draw to a snug fit being careful not to over tighten.

FIG. 10

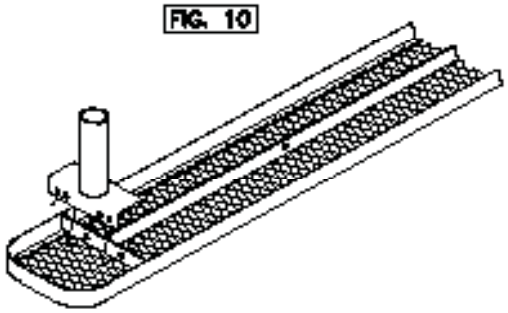
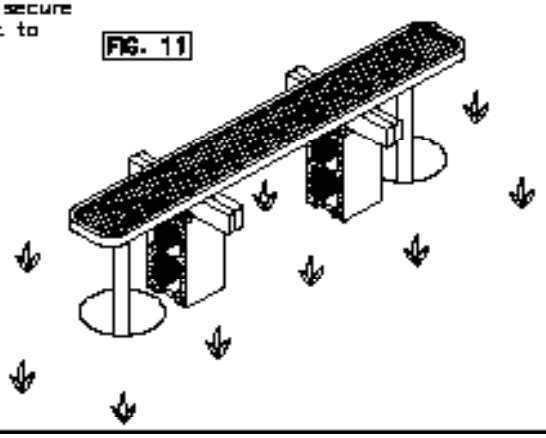


FIG. 11



Harding Park
Miracle Recreation Proposal B.3

REVISED FOR BROWN DECKS
DATE: 11/13/2025

Harding Park
Miracle Recreation Proposal B.3

REVISED FOR BROWN DECKS
DATE: 11/13/2025

Harding Park
Miracle Recreation Proposal B.3

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Miracle Recreation Proposal B.3

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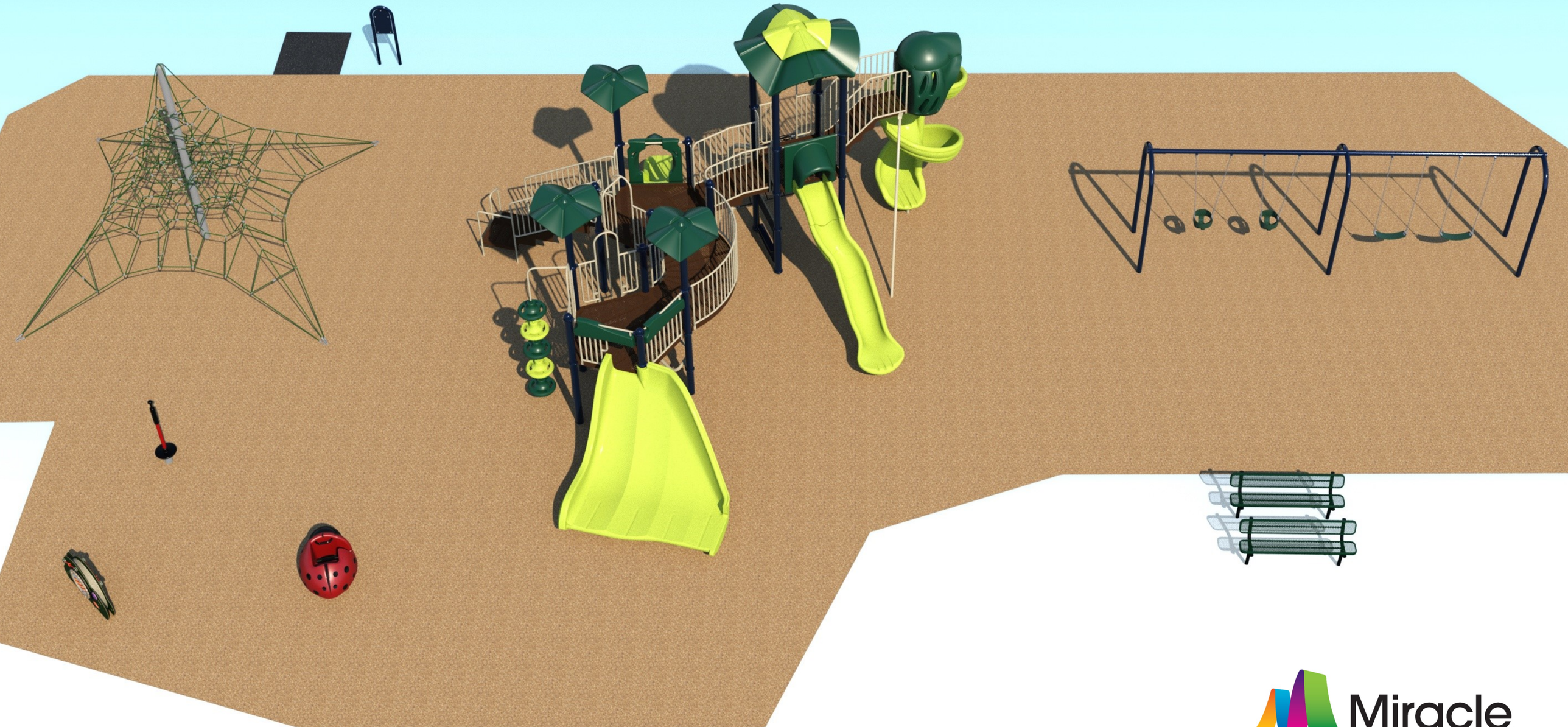
Harding Park
Miracle Recreation Proposal B.3

REVISED FOR BROWN DECKS
DATE: 11/13/2025



TOWN OF Herndon VIRGINIA

Parks and Recreation
T (703)787-7300
F (703)318-8652
parksandrec@herndon-va.gov

Harding Playground Survey

During a playground renovation an important step for the Parks and Recreation Department is to receive community feedback about the design of the new playground equipment. For the Harding Park playground it was determined that there wasn't enough physical space or parking access to do an onsite citizen forum so commentary would need to be collected by an alternative method. After considering options, an electronic survey that could be shared and accessed by multiple methods was chosen as the channel for feedback.

Information about the survey availability was shared via signs with QR codes placed at Harding Park, emails to citizens in the Parks and Recreation database and information posted on the Town's website. Responses were collected from 10/22/2025 through 11/4/2025 via a Survey Monkey survey.

The survey included three questions: a choice between two finalist designs and two open-ended questions (*What is your favorite playground feature?* and *Additional comments or feedback*). There were 189 respondents total with 173 choosing between Option A and Option B for the design. Option B was the most popular with 80.5% (139) versus Option A with 19.65% (34). For the open-ended questions there were 153 comments to the first question and 82 to the second question.

Among the open comments the most prevalent themes were:

Net Climber (or variant on this name)	72
Swings	27
Slides	21
Music feature (or variant on this name)	14

Additional mentions:
The dinosaur will be missed
Like the lady bug and new spinner feature (maybe more than one)
Additional shade (natural and/or artificial) *and keep the picnic tables* (we were already planning to keep the picnic tables they just did not appear in the images shared)
Concerns about safety – children running into street, enclosed features creating spaces for undesirable behaviors, equipment safety

With the overwhelming response for Option B the department proceeded with negotiating with the vendor upon a final design incorporating the popular suggestions that were practical within the space and budget for this project. Among the more significant adjustments was including a musical feature similar to what was popular from Option A.

From the open comments a word cloud was generated to give a snapshot of the feedback received.

Harding Playground Survey Wordcloud

(11/4/2025)

Town of Herndon, Virginia
Notice of Public Hearing

Notice is hereby given that the **Architectural Review Board** (ARB) of the Town of Herndon, Virginia, will hold a public hearing on Wednesday, January 21, 2026, at 7:30 p.m. in the Herndon Council Chambers Building, located at 765 Lynn Street, Herndon on the following items:

APPLICATION FOR NEW CONSTRUCTION, ARB #25-004, to consider an application for the erection of new playground equipment and other minor site improvements on the public property known as Harding Park, at 749 Van Buren Street, Herndon, Virginia, located in the southwest quadrant of the intersection of Jefferson Street and Van Buren Street. The subject property is further identified as Fairfax County Tax Map 0162 02 0240, is zoned RM, Residential Multi-Family, and consists of 20,969 square feet of land. Applicant: Zeljko Spasojevic, Town of Herndon. Owner: Town of Herndon.

APPLICATION FOR ALTERATION TO AN EXISTING STRUCTURE, ARB #25-005, to consider an application for alterations including recladding a portion of the existing shopping center in a new material at the commercial property located at 300 Elden Street, Herndon, Virginia, located on the north side of Elden Street between the intersections with Herndon Parkway and Jonquil Lane. The subject property is further identified as Fairfax County Tax Map 0171 02 0025B1, is zoned CS, Commercial Services District, and consists of 107,699 square feet of land. Applicant: David Bruhnke. Owner: Tom Donaldson.

APPLICATION FOR NEW CONSTRUCTION, ARB #25-006, to consider an application for the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park, at 814 Ferndale Avenue, Herndon, Virginia, located on the east side of Ferndale Avenue at the intersection with the Washington and Old Dominion Trail. The subject property is further identified as Fairfax County Tax Map 0104 02 0013, is zoned R-10, Residential Single-Family - 10 District, and consists of 11.7321 acres of land. Applicant: Zeljko Spasojevic, The Town of Herndon. Owner: The Town of Herndon.

The public is encouraged to participate in the town's public hearing process. Individuals having an interest in the above items are invited to attend the public hearing and state their opinions. Individuals may also submit comments to hdrb.arb@herndon-va.gov.

The proposed items are available for examination by the public at the Department of Community Development, 777 Lynn Street, Herndon, during normal business hours (Monday – Friday) and on the town's website www.herndon-va.gov.

The Town of Herndon supports the Americans with Disabilities Act by making reasonable accommodations for persons with disabilities so that they may participate in services, programs, or activities, offered by the town. Please call (703) 435-6804 to arrange for any accommodation that may be necessary to allow for participation.

Amanda Morrow Kertz, Town Clerk

Note to Publisher:
Publish on January 2, 2026/January 9, 2026

Architectural Review Board

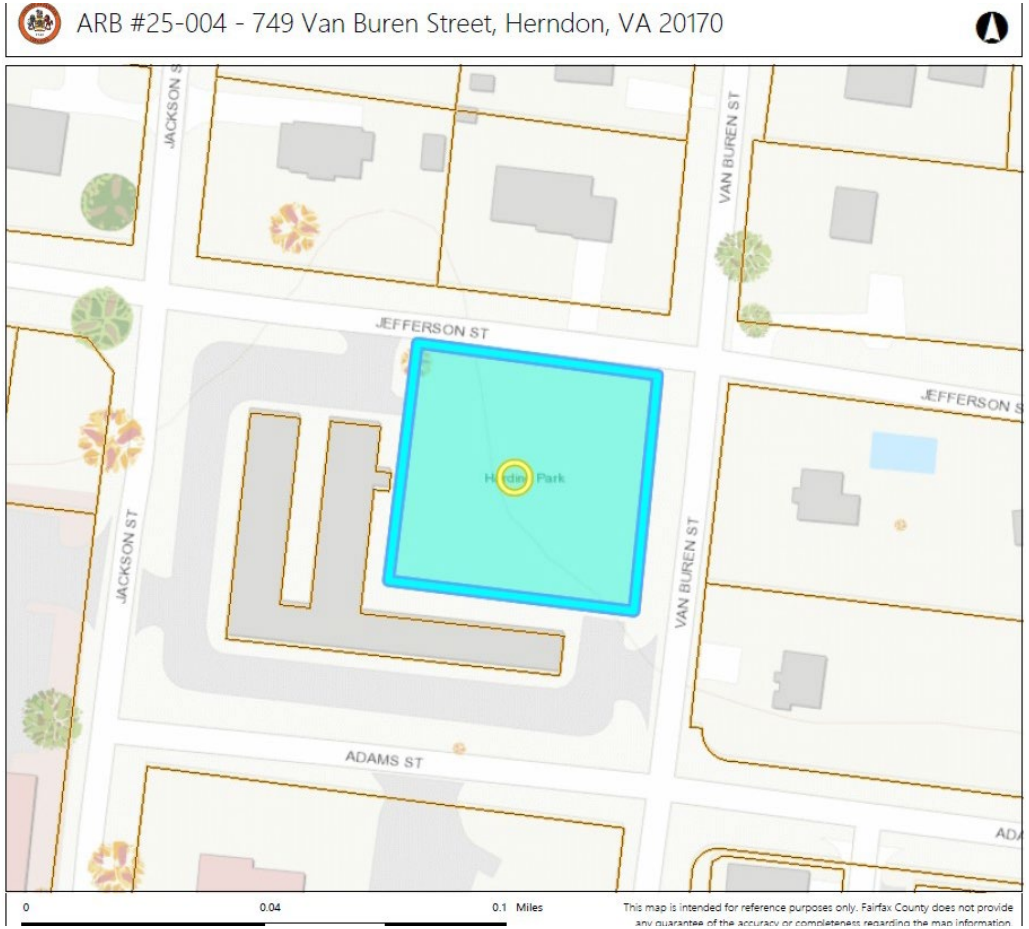
January 21, 2026, Regular Meeting

ARB #25-004 – New Construction

TOWN OF Herndon

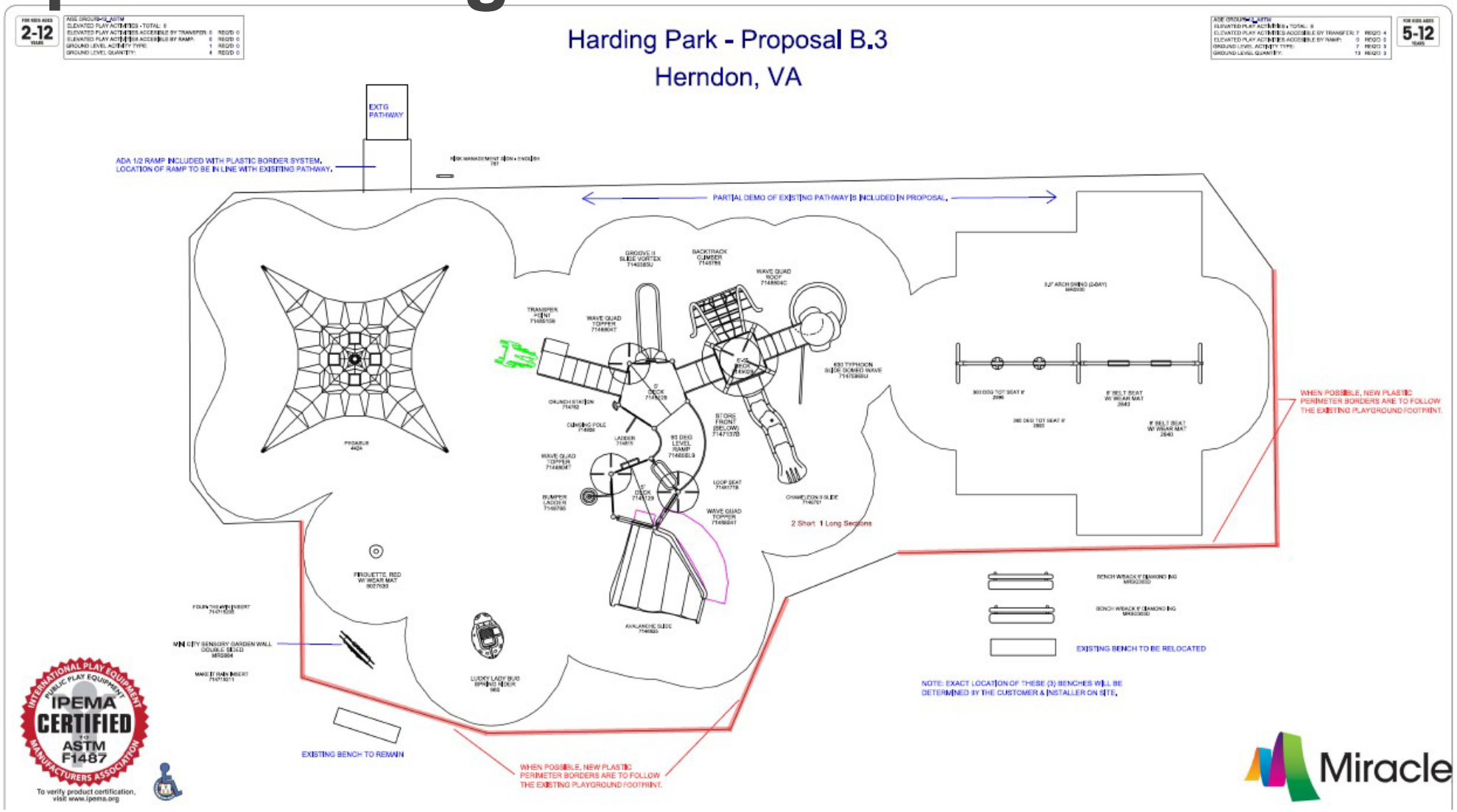
LIVE DIFFERENTLY.

Existing Conditions



Existing Conditions

Proposed Design



Proposed Design

Proposed Design

Staff Analysis

- New playground design meets best practices, including:
  - Multiple forms of play with a range of types of sensory engagement
  - Accessible equipment for people of all abilities
- Design, massing, and configuration is appropriate for the residential setting
- Proposed improvement provides a safe and well-designed recreational space
- Design consists of equipment and durable materials commonly used in recreational spaces

- Staff recommends approval in accordance with the draft resolution

Architectural Review Board

January 21, 2026, Regular Meeting

ARB #25-004 – New Construction

TOWN OF Herndon

LIVE DIFFERENTLY.

Architectural Review Board Regular Meeting
Agenda Item 5.c.

Agenda Item: **APPLICATION FOR NEW CONSTRUCTION, ARB #25-006, 814 Ferndale Avenue, Herndon, Virginia, to consider an application for the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park**

Meeting Date: January 21, 2026

Category: Public Hearings

Prepared by: Angelina Jones, Lead Planner / Design and Development

Description:
Project Summary: This application proposes to demolish the existing concrete masonry unit (CMU) dugouts at the Bready Park youth baseball stadium and to construct replacement dugouts in the same location. Two or three courses of the CMU walls would be retained and the new dugouts would be built with squared metal posts, chain-link fencing, and a new shed roof clad in metal ribbed panels. The existing tiered wooden benches would remain. The application also proposes a seat wall adjacent to the park's tennis courts. The wall will be 12 inches wide and will range between 12 and 24 inches in height. It will be constructed of split-faced CMU and capped. For more information, please see the January 7, 2026, staff report.

Background/Timing Impact:
Work Session Discussion:

Board and Staff provided the following feedback at the January 7, 2026, work session:

- The ARB stated that they were supportive of the new design overall and that they were in favor of Community Development staff working administratively with the applicant to resolve outstanding design details such as how the new dugout structure will interact with the CMU wall and benches to remain, connection of new chain-link structures to extant adjacent chain-link features, and the relocation of the electrical box (the matrix below provides a comprehensive list).
- Furthermore, the board encouraged the applicant to re-paint the existing mural elsewhere, suggesting the press box as a possible location. The board stated that it would also be appropriate for Community Development staff to handle the particulars of re-creating this artistic element administratively.
- The board stated their preference for the dugout structure to be black with a dark green roof and that "adobe" was their preferred color for the seating wall.

Updates Since Work Session:

- Staff drafted a resolution to stipulate that the board is giving Community Development staff the authority to administratively review additional materials from the applicant to address outstanding design details (see the matrix below for a comprehensive list). The conditioned draft resolution also requires the applicant to present additional materials to staff for review, approval, and addition to the case file.

Summary of Town Code of Ordinances and Zoning Ordinance Compliance:
Staff find that the proposed new construction generally complies with the applicable design criteria within the Town's Architectural Control District as specified in Section 58-96 of the Town Code of Ordinances (see the table below for a comprehensive analysis). Staff also determined that the proposed new construction meets the applicable standards and requirements of the Town of Herndon Zoning Ordinance.

For additional information, please see the January 7, 2026, ARB work session staff report.

Town Code of Ordinances, Section 58-96 – Design criteria	
The board of architectural review and, on appeal, the town council shall use the following standards and criteria in considering applications filed under this article:	
1. Whether or not the proposed architectural design is suitable for a good suburban community in terms of external architectural features, including signs subject to public view, general design and arrangement, texture, color, line, mass, dimension, material and lighting.	The proposed dugout structures are of a design that is common for suburban recreational fields consisting of a stainless-steel structure surrounded by chain-link fencing. However, perspective renderings are needed from the applicant to illustrate how the new structures will interact with the proposed fencing and the CMU courses proposed to remain. Furthermore, the applicant needs to provide details demonstrating how the remaining CMU walls will be capped. The seat wall is likewise of a standard design and type for suburban parks and therefore suitable in accordance with this standard.
2. Whether or not the proposed structure, building or improvement	The overall character and cohesiveness of the dugout and press box as a designed area will be diminished by the

is compatible with existing well-designed structures, acceptable to the board, in the vicinity and in the town as a whole.	removal of the CMU dugout structures. The press box will be the only CMU structure that remains after removal of the existing dugouts. However, there is an opportunity for the remaining CMU courses to maintain some of this visual continuity with the press box, depending on how it is integrated with the new dugout structure and how it is capped. Furthermore, the intended retention of the existing tiered benches will also help to visually connect the press box to the dugouts.
3. Whether or not, and to what extent, the proposed structure, building or improvement would promote the general welfare and protect the public health, safety and morals by tending to maintain or augment the town's tax base as a whole, generating business activity, maintaining and creating employment opportunity, preserving historical sites and structures and making the town a more attractive and desirable place in which to live.	The proposed changes to the baseball diamond and the other minor site improvements will generally improve the attractiveness of Bready Park as a public space.
4. Whether or not proposed freestanding buildings use the same or architecturally harmonious materials, color, texture and treatment for all exterior walls; and in the case of partially freestanding buildings, whether or not the same or architecturally harmonious materials, color, texture and treatment are used on all portions of all exterior walls exposed to public view.	The loss of two CMU structures in the building cluster on the baseball diamond will result in an overall diminishment of the existing character of the space. However, retention of a portion of the CMU around the dugouts may ameliorate this impact, as will the retention of the wooden benches, which share some of the materiality of the press box.

5. Whether or not the combination of architectural elements proposed for a structure, building or improvement, in terms of design, line, mass, dimension, color, material, texture, lighting, landscaping and roofline and height conform to accepted architectural principles for permanent buildings as contrasted with engineering standards designed to satisfy safety requirements only; and exhibit external characteristics of demonstrated architecture and aesthetic durability.	The durability of the proposed design for the CMU wall around the dugouts partly depends on how it will be capped and how much of the new shed roof covers the area over this wall. Further information is needed from the applicant to determine this fully. Note that the CMU dugouts are currently part of a roofed structure. When the existing roofs are removed, water infiltration will likely increase in the dugout area. This could negatively impact the durability of the extant wooden benches proposed to remain. Furthermore, the benches will be exposed to the elements to a greater extent than they currently are due to the increased porosity of the replacement dugout structure. The benches must be properly sealed to maintain them. They should be sealed using an oil-based alkyd primer and finished with an acrylic latex paint. This is a standard treatment for exterior wood elements.
6. Whether or not, in terms of design, material, texture, color, lighting, landscaping, dimension, line, mass or roof line and height, the proposed structure, building or improvement is designed to serve primarily as an advertisement or commercial display, exhibits exterior characteristics likely to deteriorate rapidly, would be of temporary or short-term architectural or aesthetic acceptability, would be plainly offensive to human sensibilities or would otherwise constitute a reasonable foreseeable detriment to the community.	The proposed changes to the baseball diamond and the addition of the seat wall will not contribute to a foreseeable detriment to the community. However, as stated above, further information is needed regarding the capping of the CMU courses proposed to remain and the treatment of the wooden benches to prevent their deterioration. Additional information regarding capping the seating wall is also needed.

Fiscal Impact:
N/A

Legal Impact:
N/A

Staff Recommendation/Next Steps:
Staff recommend approval of the application in accordance with the conditioned draft resolution.

Attachments:
1. Resolution (Proposed)
2. Materials
3. Legal Ad
4. Presentation

TOWN OF HERNDON, VIRGINIA
ARCHITECTURAL REVIEW BOARD

RESOLUTION

JANUARY 21, 2026

Resolution- **to approve the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park, at 814 Ferndale Avenue, Herndon, Virginia, located on the east side of Ferndale Avenue at the intersection with the Washington and Old Dominion Trail and further identified as Fairfax County Tax Map 0104 02 0013.**

BE IT RESOLVED the Architectural Review Board of the Town of Herndon, Virginia that:

1. The Architectural Review Board approves ARB #25-006, to permit the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park, at 814 Ferndale Avenue, Herndon, Virginia, in substantial conformance with the information shown in the case materials reviewed by the ARB at the January 21, 2026, public hearing, and with the following conditions:

    a. The dugout structures shall be black with green roofs.

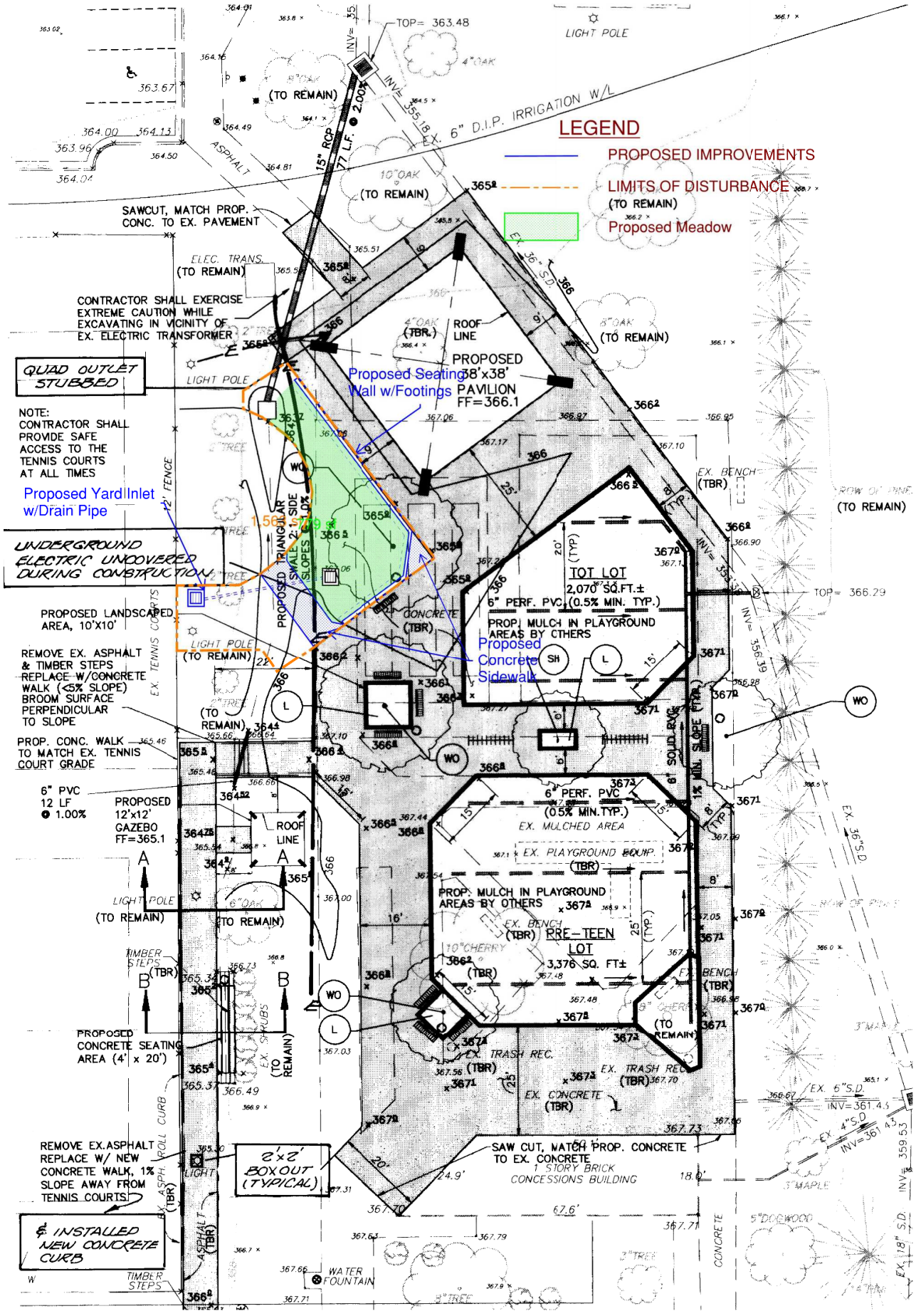
    b. The newly constructed retaining wall shall be constructed of a light color split-faced CMU to complement existing adjacent masonry features in the park.

    c. The wooden seating will be appropriately sealed with an oil-based alkyd primer and finished with an acrylic latex paint.

    d. The applicant shall work with staff to resolve all outstanding design details as enumerated in the January 21, 2026, staff memo, including but not limited to material and design of caps for seating wall and knee wall surrounding the dugouts and interaction of the new dugout structures with the CMU knee wall and two-tiered seating.

    e. The applicant shall provide additional materials, including any requested samples, for staff for approval, to verify compliance with the conditions, and to add to the case record.


PROPOSED SEATING WALL
DUGOUTS
Ferndale Ave
Ferndale Ave
Ferndale Ave
Ferndale Ave
Garba Festival | Herndon Virginia
Herndon Parks & Recreation Department

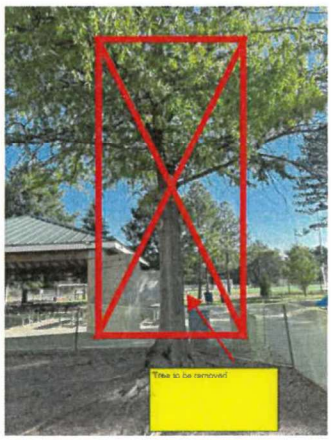

LEGEND
PROPOSED IMPROVEMENTS
LIMITS OF DISTURBANCE
(TO REMAIN)
Proposed Meadow
Proposed Seating Wall w/Footings
38'x38' PAVILION FF=366.1
Proposed Yard Inlet w/Drain Pipe
Proposed Concrete Sidewalk
TOT LOT
2,070 SQ.FT.±
6" PERF. PVC (0.5% MIN. TYP.)
PROP. MULCH IN PLAYGROUND AREAS BY OTHERS
PRE-TEEN LOT
3,376 SQ. FT±
PROPOSED 12'x12' GAZEBO FF=365.1
PROPOSED CONCRETE SEATING AREA (4' x 20')
PROPOSED LANDSCAPED AREA, 10'X10'
QUAD OUTLET STUBBED
UNDERGROUND ELECTRIC UNCOVERED DURING CONSTRUCTION
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE EXCAVATING IN VICINITY OF EX. ELECTRIC TRANSFORMER
NOTE: CONTRACTOR SHALL PROVIDE SAFE ACCESS TO THE TENNIS COURTS AT ALL TIMES
REMOVE EX. ASPHALT & TIMBER STEPS REPLACE W/CONCRETE WALK (<5% SLOPE) BROOM SURFACE PERPENDICULAR TO SLOPE
PROP. CONC. WALK TO MATCH EX. TENNIS COURT GRADE
6" PVC 12 LF @ 1.00%
REMOVE EX.ASPHALT REPLACE W/ NEW CONCRETE WALK, 1% SLOPE AWAY FROM TENNIS COURTS
INSTALLED NEW CONCRETE CURB
2'x2' BOXOUT (TYPICAL)
SAW CUT, MATCH PROP. CONCRETE TO EX. CONCRETE
1 STORY BRICK CONCESSIONS BUILDING
SAWCUT, MATCH PROP. CONC. TO EX. PAVEMENT
ELEC. TRANS. (TO REMAIN)
EX. 6" D.I.P. IRRIGATION W/L
15" RCP 77 L.F. @ 2.00%
EX. 36" S.D.
EX. 6"S.D.
EX. 4"S.D
EX. 18" S.D.
EX. TENNIS COURTS
PROPOSED TRIANGULAR SWALE, 2:1 SIDE SLOPES
ROOF LINE
EX. BENCH (TBR)
EX. PLAYGROUND EQUIP. (TBR)
EX. MULCHED AREA
EX. TRASH REC. (TBR)
EX. CONCRETE (TBR)
EX. SHRUBS (TO REMAIN)
TIMBER STEPS (TBR)
LIGHT POLE (TO REMAIN)
WATER FOUNTAIN
12' FENCE
ASPHALT
CONCRETE
TOP= 363.48
TOP= 366.29
INV= 355.18
INV= 356.69
INV= 359.53
INV= 361.43
INV= 361.45

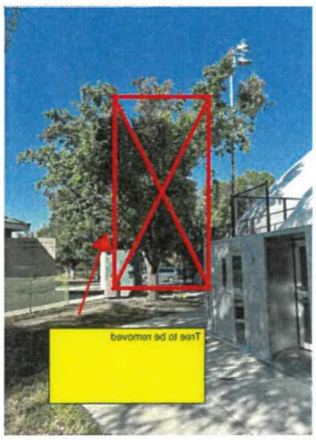
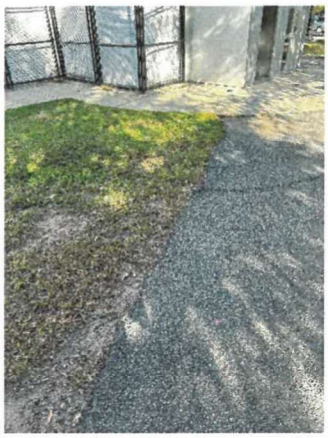
Seat Wall

Demolition

- Removal of two trees (locations are inside of seat wall area and next to existing transformers). Trees to be removed entirely and stumps to be grinded.

- Demolition of existing asphalt walkway approximately 7'x22'.



Excavation

- Trench line to be created from pooling area to existing storm line approximately 1'x21'x3'.

- Dirt around the perimeter of the sidewalk to be excavated for new continuous seat wall footer approximately 2'width 70'length and 30" deep.

Drain Line

- Furnish and install a new 3' drain line with drain approximately 21' in length and drilled into existing stormwater drain.

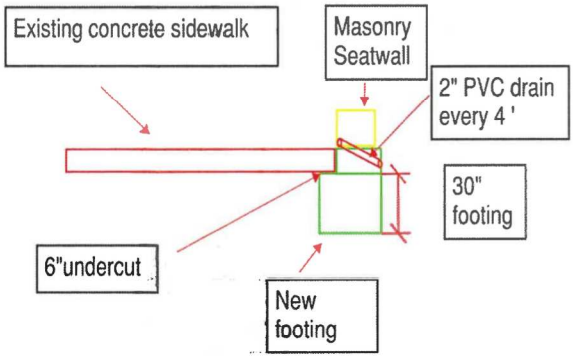


Concrete

- 57 stone aggregate to be poured in excavated areas as subgrade for concrete walkway, footing, and trench line.

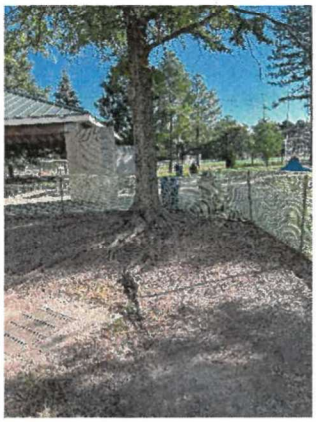
- Pouring of new 3,500 PSI concrete approximately 7'x 22' at 4" thickness.

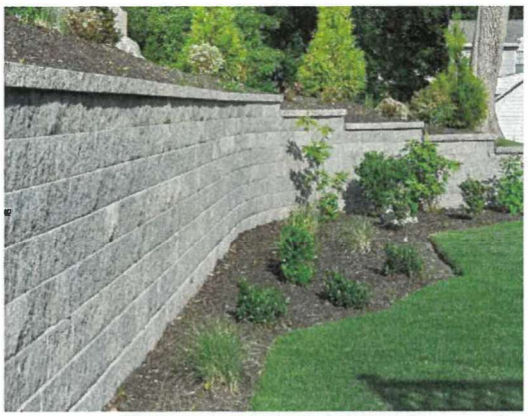
- Pouring of new 3,500 PSI concrete footer 2'x70'x30". #4 rebar rod anchors to be placed approximately every 24" for CMU adherence.



Masonry

- Furnish and installation of new Split face CMU with cap along perimeter of the existing concrete sidewalk approximately 1" width at 15" height and 70' in length (Coloring to be picked by owner).





Backfill

- All areas to be backfilled and sloped to grade of existing and proposed manholes.

Landscaping

- Work area to be seeded and strawed.

Masonry

Standard CMU Coloring

-CMU block can vary in price due to supply, size, and coloring. The following are all standard colors.

-Split Face CMU in 4”, 8”, 12” stretchers, 8” & 12” open-bottom bond beams, 6” sill, and an 8” universal corner

Dugouts

Demolition

- Removal of all roofing pertaining to dugouts.
- Removal of all CMU above proposed cutline shown below.

Dugouts

- Provide and install 2 premanufactured Premium Beacon Athletics Dugouts.

STEEL FRAME COLORS		
almond	black	red
green	burgundy	blue
navy blue	brown	forest green

Roofing

- Provide and install Roof Panels are 26-gauge galvanized metal roofing for 2 dugouts.

Fencing

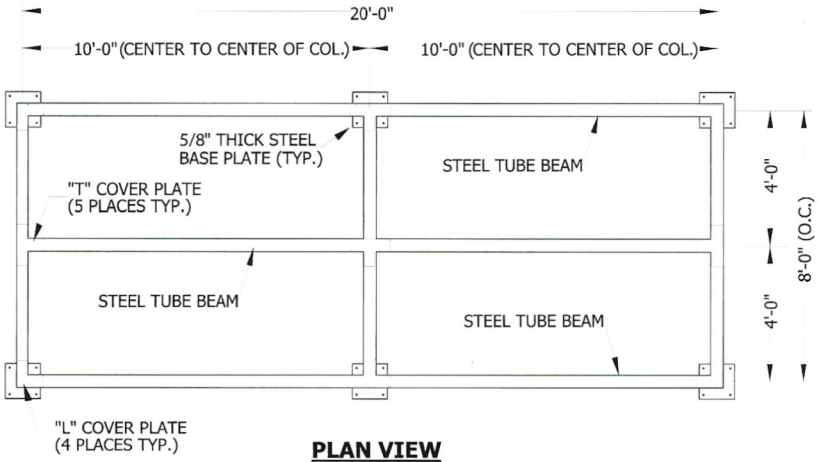
- Furnish and install black sports complex fencing surrounding the new proposed dugouts.

DUGOUTS USA

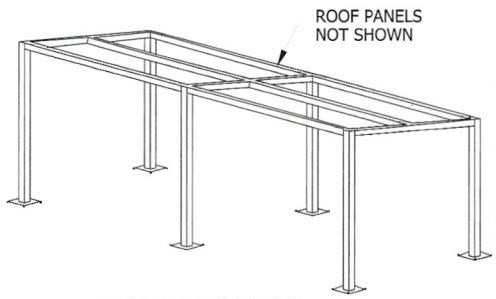
National Suppliers of Prefabricated, Pre Engineered Dugout Structures

Dugouts USA
6565 W Norvell Bryant Hwy, Suite B
Crystal River, FL 34429
Ph. 352-527-7500
www.dugoutsusa.com

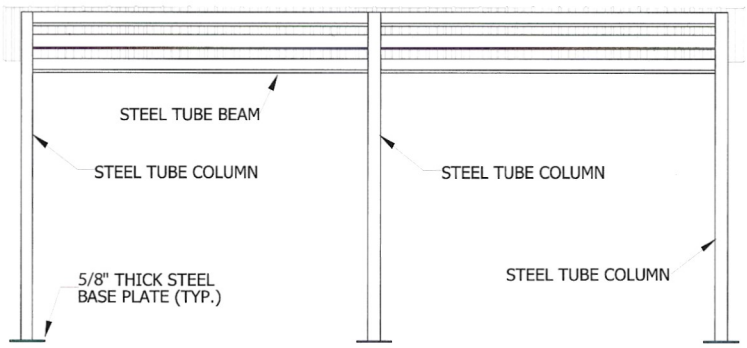
Typical Drawings



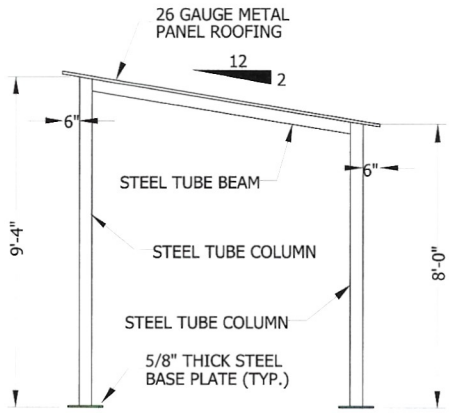
PLAN VIEW



ISOMETRIC VIEW



FRONT ELEVATION

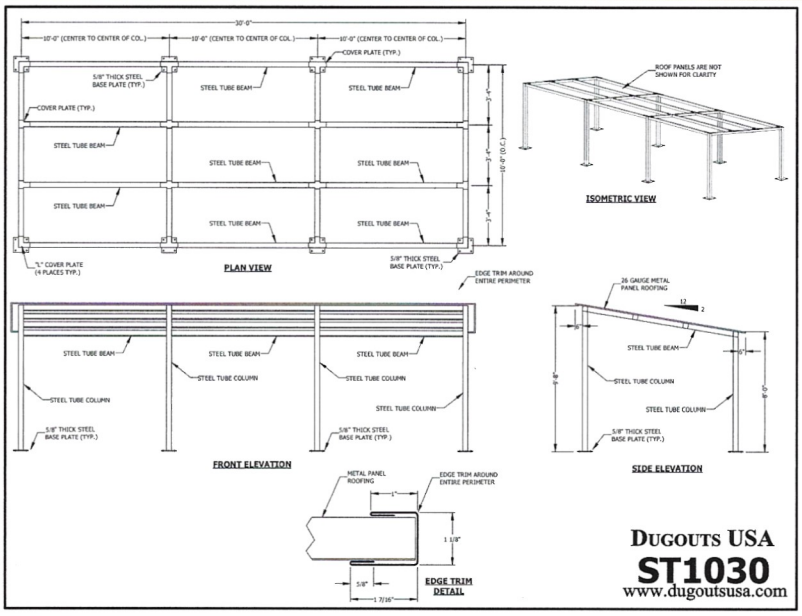


SIDE ELEVATION

Custom Sizes Available

Examples:

ST629
ST730
ST824
ST932



10' Deep Dugout Example

Available Dugout Depths: 5' to 10'
Available Dugout Lengths: Unlimited
Available Roof Pitch: 1-12, 2-12, 3-12

www.dugoutsusa.com

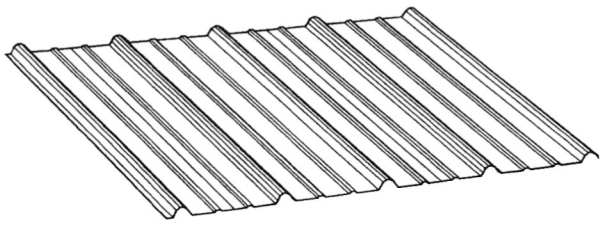
Dugout Features

- All Steel Construction
- Concealed Frame Fasteners
- Fast Erection with Limited Personnel
- 40 Year Warranty on Metal Roof Color Finish

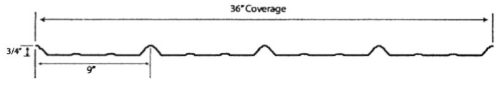
Powder Coated Steel Frame Colors*

Almond RAL 1015	Black RAL 51	Red RAL 3000
Green RAL 6029	Burgundy RAL 3004	Blue RAL 5010
Navy Blue RAL 5013	Brown RAL 8017	Forest Green RAL 6005

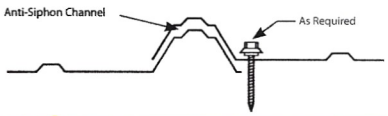
26 Gauge Metal Roof Colors*



Profile Detail



Sidelap Detail



Light Stone	Mocha Tan	Old Town Gray
Pure White	Cocoa Brown	Forest Green
Hawaiian Blue	Barn Red	Galvalume

www.dugoutsusa.com

*Actual colors may vary

Specifications

STEEL DUGOUT FRAME

- Support Columns shall be fabricated of A500 square structural steel tubing with an electrically welded 5/8" thick A36 steel base plate.
- Beams shall be fabricated of A500 square structural steel tubing.
- Steel frame members shall be blasted to near white metal, cleaned with an 8-Stage pretreatment system, and zinc rich primer coated prior to the finished powder coat process. Powder coat finish shall be TGIC electrostatically applied polyester powder.
- Roofing shall be precut 26 gauge small rib metal panels.
- Fasteners shall be 1" diameter grade 5 bolts with flat washers and locknuts. Bolts meet ASME B18.2.1 with a minimum tensile strength of 120,000 psi. All fasteners shall be concealed inside the tubing.
- Anchors shall be ½" diameter x 8 ½" zinc plated concrete wedge anchors.

METAL ROOF PANELS

- Panel Profile: 3/4" height rib 36" coverage width
- Panel Style: Sidelap seam or exposed fastener
- Gauge: 26 Gauge
- Substrate: Grade 80 Galvanized steel sheet (G60), conforming to ASTM A446 for painted panels
- Texture: Smooth
- Finish: Ceram-A-Star 1050 high performance silicon-modified polyester
- Color: Selected from manufacturers standard line.

WARRANTY

Dugouts shall be guaranteed against defects in workmanship or materials for a period of one year from date of invoice by the manufacturer.

DISTRIBUTED BY:

MASTER DRAWINGS FOR:
NEW DUGOUTS (NORTHERN CLIMATE)

(NORTHERN CLIMATE)

DESIGN PARAMETERS:

APPLICABLE CODES:
BUILDING CODES: - CURRENT ADOPTED EDITION - (FBC/IBC)
METHOD OF DESIGN:
DESIGN PURSUANT TO - CURRENT ADOPTED EDITION - (FBC/IBC)
BUILDING OCCUPANCY CLASSIFICATION: GROUP U - UTILITY - ACCESSORY BUILDING
RISK FACTOR CURRENT ADOPTED EDITION - (FBC/IBC) - TABLE 1604.5): CATEGORY 1
ROOF LIVE LOAD: 20 PSF
STRUCTURE DESIGNED IN ACCORDANCE WITH ASCE 7-16 CHAPTERS 26-30
BASIC WIND SPEED CURRENT ADOPTED EDITION - (FBC/IBC) - FIGURE 1609.3) SHALL BE BASED ON UP TO 170 MPH WIND SPEED DESIGN - CALCULATIONS PROVIDED BY GPI ENGINEERING
SNOW LOADS: (FBC) 2020 7th EDITION - FIGURE 1607 AND ASCE 7 CHAPTER 7 SHALL BE BASED ON UP TO 55 PSF GROUND SNOW LOAD FOR THIS EXAMPLE AND MUST BE VERIFIED FOR EACH PROPOSED LOCATION PRIOR TO FABRICATION - CALCULATIONS PROVIDED BY GREENMAN - PEDERSON, INC. (GPI EGNINEERING) - ADDRESS: 3423 OLNEY - LAYTONSVILLE RD. SUITE #6 OLNEY, MARYLAND 20832
LIVE LOAD: CURRENT ADOPTED EDITION - (FBC/IBC) - SECTION 1607 SHALL BE BASED ON 20 PSF
BUILDING CONSTRUCTION TYPE CURRENT ADOPTED EDITION - (FBC/IBC) - CHAPTER 6) TYPE IIB (UNPROTECTED UNSPRINKLED)
EXPOSURE CATEGORY CURRENT ADOPTED EDITION - (FBC/IBC) - 1609.4.3): PER SITE
INTERNAL PRESSURE COEFFICIENTS: OPEN
HEIGHT = PER SELECTED MODEL FOUNDATION HAS BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF A MIN. OF 2,000 PSF POUNDS PER SQUARE FOOT IN ACCORDANCE WITH PRESUMPTIVE LOAD BEARINGS VALUES.

STRUCTURAL FORCES:

ROOF DESIGN	LIVE LOAD	20 PSF
	DEAD LOAD	SELF WEIGHT
	SNOW LOAD	55 PSF EST.
	TOTAL LOAD	75 PSF
ROOF DEFLECTION	L/240 LIVE LOAD	
	L/180 TOTAL LOAD	

ROOF DESIGN WIND PRESSURE (PSF): ASCE 7-16 CHAPTERS 26-30

	AREA	ZONE 3		ZONE 2		ZONE 1	
Roof 9°-27°	≤9	17.5	-71.6	17.5	-48.4	17.5	-27.8
	9-36	13.9	-60.8	13.9	-39.4	13.9	-26.0
	>36	12.4	-56.2	12.4	-35.6	12.4	-25.2

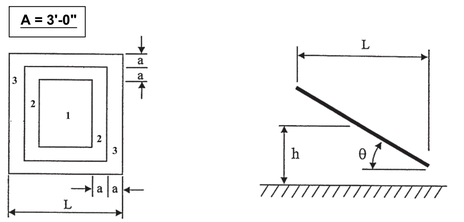
ROOF FASTENERS

ZONE 1	#12 X 1" - 4" O.C HWH SD W/ SEALING WASHERS - SEE NOTE 3
ZONE 2	#12 X 1" - 4" O.C HWH SD W/ SEALING WASHERS - SEE NOTE 3
ZONE 3	#12 X 1" - 4" O.C HWH SD W/ SEALING WASHERS - SEE NOTE 3
TRIM FASTENED W/ 1/4 - #14 X 7/8" HWH SD STITCH SCREW W/ SEALING WASHER @ 18" O.C.	

MINIMUM DESIGN LOADS

Components and Cladding		0.25 ≤ h/L ≤ 1.0
Figure 30.8-1	Net Pressure Coefficient, C_N	Monoslope Free Roofs θ ≤ 45°
Open Buildings		

A = 3'-0"



Roof Angle θ	Effective Wind Area	C_N Clear Wind Flow Zone 3		Clear Wind Flow Zone 2		Clear Wind Flow Zone 1		Obstructed Wind Flow Zone 3		Obstructed Wind Flow Zone 2		Obstructed Wind Flow Zone 1	
0°	≤ a²	2.4	-3.3	1.8	-1.7	1.2	-1.1	1	-3.6	0.8	-1.8	0.5	-1.2
	> a², ≤ 4.0a²	1.8	-1.7	1.8	-1.7	1.2	-1.1	0.8	-1.8	0.8	-1.8	0.5	-1.2
	> 4.0a²	1.2	-1.1	1.2	-1.1	1.2	-1.1	0.5	-1.2	0.5	-1.2	0.5	-1.2
7.5°	≤ a²	3.2	-4.2	2.4	-2.1	1.6	-1.4	1.6	-5.1	1.2	-2.6	0.8	-1.7
	> a², ≤ 4.0a²	2.4	-2.1	2.4	-2.1	1.6	-1.4	1.2	-2.6	1.2	-2.6	0.8	-1.7
	> 4.0a²	1.6	-1.4	1.6	-1.4	1.6	-1.4	0.8	-1.7	0.8	-1.7	0.8	-1.7
15°	≤ a²	3.6	-3.8	2.7	-2.9	1.8	-1.9	2.4	-4.2	1.8	-3.2	1.2	-2.1
	> a², ≤ 4.0a²	2.7	-2.9	2.7	-2.9	1.8	-1.9	1.8	-3.2	1.8	-3.2	1.2	-2.1
	> 4.0a²	1.8	-1.9	1.8	-1.9	1.8	-1.9	1.2	-2.1	1.2	-2.1	1.2	-2.1
30°	≤ a²	5.2	-5	3.9	-3.8	2.6	-2.5	3.2	-4.6	2.4	-3.5	1.6	-2.3
	> a², ≤ 4.0a²	3.9	-3.8	3.9	-3.8	2.6	-2.5	2.4	-3.5	2.4	-3.5	1.6	-2.3
	> 4.0a²	2.6	-2.5	2.6	-2.5	2.6	-2.5	1.6	-2.3	1.6	-2.3	1.6	-2.3
45°	≤ a²	5.2	-4.6	3.9	-3.5	2.6	-2.3	4.2	-3.8	3.2	-2.9	2.1	-1.9
	> a², ≤ 4.0a²	3.9	-3.5	3.9	-3.5	2.6	-2.3	3.2	-2.9	3.2	-2.9	2.1	-1.9
	> 4.0a²	2.6	-2.3	2.6	-2.3	2.6	-2.3	2.1	-1.9	2.1	-1.9	2.1	-1.9

Notes:
1. C_N denotes net pressures (contributions from top and bottom surfaces).
2. Clear wind flow denotes relatively unobstructed wind flow with blockage less than or equal to 50%. Obstructed wind flow denotes objects below roof inhibiting wind flow (>50% blockage).
3. For values of θ other than those shown, linear interpolation is permitted.
4. Plus and minus signs signify pressures acting towards and away from the top roof surface, respectively.
5. Components and cladding elements shall be designed for positive and negative pressure coefficients shown.
6. Notation:
   a : 10% of least horizontal dimension or 0.4h, whichever is smaller but not less than 4% of least horizontal dimension or 3 ft. (0.9 m)
   h : mean roof height, ft. (m)
   L : horizontal dimension of building, measured in along wind direction, ft. (m)
   θ : angle of plane of roof from horizontal, degrees

INDEX

GENERAL CONDITIONS
A100 GENERAL NOTES & SCHEDULES

ARCHITECTURAL PLANS
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A102 TYPICAL SLAB PLAN VIEW & SECTIONS
A103 ALTERNATE SLAB PLAN VIEW & SECTIONS

FASTENER SCHEDULE

BOLT SIZE	LENGTH	WASHERS	QUANTITY	REMARKS
1/2"Ø	8-1/2"	YES	AS REQ'D	STEEL PLATE TO CONCRETE FOOTING
1"Ø	2"	YES	AS REQ'D	BEAMS TO COLUMN CONNECTION

COMPONENT SCHEDULE - FOR BAY SPACING UP TO 10'-0"

ITEM	THICKNESS	SIZE	MAX LENGTH	FASTENERS	REMARKS
COL. 1	1/8"	4" X 4"	11'-0"	SHOP WELD STEEL BASE	
COL. 2	1/8"	4" X 4"	11'-0"	SHOP WELD STEEL BASE	
BM-1	1/8"	4" X 4"	10'-0"	1" DIA. X 2" (2) REQUIRED	FRONT & REAR BEAM
BM-2	1/8"	4" X 4"	10'-0"	1" DIA. X 2" (2) REQUIRED	CENTER CROSS BEAM
BM-3	1/8"	4" X 4"	9'-0"	1" DIA. X 2" (2) REQUIRED	
BM-3	1/8"	4" X 4"	10'-0"	1" DIA. X 2" (2) REQUIRED	
BM-4	1/8"	4" X 4"	7'-0"	1" DIA. X 2" (2) REQUIRED	
BM-4	1/8"	4" X 4"	8'-0"	1" DIA. X 2" (2) REQUIRED	
BM-4	3/16"	4" X 4"	9'-0"	1" DIA. X 2" (2) REQUIRED	
BM-4	1/4"	4" X 4"	10'-0"	1" DIA. X 2" (2) REQUIRED	
BASE PLATE	5/8"	10" X 10"	N/A	(4)-1/2"Ø X 8-1/2" WEDGE ANCHORS	ANCHOR TO CONCRETE FOOTING
(F1) SQUARE	22"	24" X 24"	N/A	SEE BASE PLATE ON SHT A101	(4) #5Ø ST REINF. RODS EA. WAY
(F2) SQUARE	22"	32" X 32"	N/A	SEE BASE PLATE ON SHT A101	(4) #5Ø ST REINF. RODS EA. WAY TOP & BOTTOM
(F1) ROUND	16"	36" DIA.	N/A	SEE BASE PLATE ON SHT A101	(4) #5Ø ST REINF. RODS EA. WAY
(F2) ROUND	36"	36" DIA.	N/A	SEE BASE PLATE ON SHT A101	(4) #5Ø ST REINF. RODS EA. WAY TOP & BOTTOM

NOTES:

1. **SEE DETAILS FOR ATTACHMENT OF EACH SHOP WELDED BEAM CONNECTION.**
2. **FOUNDATION AND REINFORCING SIZES ARE SUGGESTIONS ONLY. CONTRACTOR MUST VERIFY WITH LOCAL BUILDING CODE REQUIREMENTS PRIOR TO CONSTRUCTION.**
3. **IF T1-11 OR PLYWOOD SHEATHING IS USED; USE ROOF FASTENERS #12 X 1-1/2" - 4" O.C. HWH SD METAL SCREWS W/ SEALING WASHERS**
4. **NOTE: RECOMMEND A MINIMUM OF 12" FROM CENTER OF BASE PLATE TO EDGE OF SLAB ON ALL SIDES**

CONCRETE NOTES:

1. FOOTINGS SHALL BEAR UPON UNDISTURBED TREATED SOIL OR SOIL COMPACTED TO AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) FOR DEPTH OF AT LEAST THREE (3) FEET BELOW THE BOTTOM OF THE FOOTING.

2. REINFORCING STEEL SHALL BE ASTM-A-615 GRADE 60 DEFORMED NEW BULLIT STEEL CONFORMING TO ACI-360, ACI-301, ACI-315, ACI-318 AND CRSI MANUAL OF STANDARD PRACTICE LATEST EDITIONS. MINIMUM LAP SPLICE SHALL BE 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.

3. ALL CONTINUOUS VERTICAL AND HORIZONTAL REINFORCING STEEL IN FOOTINGS. SHALL BE SPLICED A MINIMUM OF 48 BAR DIAMETERS OR 30" WHICHEVER IS GREATER.

4. CONCRETE COVER OF REINFORCING STEEL SHALL BE AS FOLLOWS:
   A. FOOTINGS: 3" BOTTOM AND SIDES, 2" TOP
   B. BEAMS: 1-1/2" BOTTOM, SIDES AND TOP
   C. COLUMNS: 1-1/2"
   D. SLABS ON GRADE" 2" BOTTOM, 1" TOP.
   E. OTHERS: PER ACTUAL

5. FOUNDATION: 3,500 PSI @ 28 DAYS, TYPE II CONCRETE, 6 BAG. (MIN.) STONE FILL.

6. FLOOR SLAB: 3,500 PSI @ 28 DAYS (4" THICK CONCRETE ON 6 MIL POLYETHYLENE VAPOR BARRIER ON 4" STONE FILL) MAX SLUMP = 5",
TYPE II CONCRETE 6 BAG. (A) PROVIDE CUT JOINTS @ 100 SQ. FT. MAX IN SLABS

7. ALL CONCRETE SLABS ON GRADE SHALL BE THE THICKNESS INDICATED ON THE DRAWINGS, OVER A 6 MIL POLYETHYLENE VAPOR BARRIER. SUCH SLABS SHALL BE REINFORCED WITH 6X6 - W2.9/W2.9 WWM LAPPED 8" AT EDGES AND ENDS OR FIBER MESH REINFORCING.

8. FILL UNDER CONCRETE SLAB WITH 4" (MIN.) FREE DRAINING AGGREGATE STONE FILL OVER COMPACTED SUB GRADE. FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557.)

9. WELDED WIRE MESH SHALL CONFORM TO ASTM-A-185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACE DETAILS OF ACI STANDARDS AND SPECIFICATIONS MINIMUM LAP SHALL BE ONE SPACE PLUS TWO (2) INCHES OR FIBERMESH.

10. ALL TRANSITIONS BETWEEN NEW AND EXISTING CONCRETE SHALL HAVE 1/2" REFLEX RUBBER EXPANSION JOINTS OR EQUAL.

SPECIFICATIONS:

STEEL DUGOUT FRAME:

1. HOLLOW STRUCTURAL SECTIONS (HSS) STEEL FRAMING SHALL BE FABRICATED FROM STEEL CONFORMING WITH ASTM A 500, GR. B.
Fy = 46ksi

2. STEEL PLATES SHALL CONFORM WITH ASTM A36. Fy = 36ksi

3. FRAMES, BASE, AND WELDS ARE FABRICATED AND POWDER COATED AT THE FACTORY. NO WELDING IS DONE IN THE FIELD.

4. STEEL FRAME MEMBERS SHALL BE BLASTED TO NEAR WHITE METAL., CLEANED WITH AN 8-STAGE PRETREATMENT SYSTEM, AND ZINC RICH PRIMER COATED PRIOR TO THE FINISHED POWDER COAT PROCESS. POWDER COAT FINISH SHALL BE TGIC ELECTROSTATICALLY APPLIED POLYESTER POWDER.

5. FASTENERS SHALL BE 1" DIAMETER GRADE 5 BOLTS WITH FLAT WASHERS AND LOCKNUTS. BOLTS MEET ASME B18.2.1 WITH A MINIMUM TENSILE STRENGTH OF 120,000 PSI. ALL FASTENERS SHALL BE CONCEALED INSIDE THE TUBING.

6.ANCHORS SHALL BE 1/2" DIAMETER X 8-1/2" ZINC PLATED CONCRETE WEDGE ANCHORS.

7. OVERALL DIMENSIONS "SEE ATTACHED DRAWING"

METAL ROOF PANELS:

GAUGE: ROOFING SHALL BE PRECUT 26 GA. MULTI RIB METAL ROOF PANEL UNLESS OTHERWISE NOTED

FASTENERS: FASTENERS SHALL BE COLOR MATCHED TO METAL ROOF COLOR AS SELECTED BY OWNER AND AS INDICATED ON PRODUCT APPROVAL

WARRANTY:

DUGOUTS SHALL BE GUARANTEED AGAINST DEFECTS IN WORKMANSHIP OR MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF INVOICE BY MANUFACTURER.

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DRAWN	PROJECT NO.
R A A	2439
CHECKED	DATE
R A A	10-03-24

MODEL#: _____

NOTE:
REFER TO MODEL # ABOVE AND SEE ATTACHED CORRESPONDING DRAWING FOR ACTUAL DUGOUT FRAME DETAILS AND DIMENSIONS

A100
SHEET NO.

REVISIONS

JOSEPH A. RISPOLI, AIA
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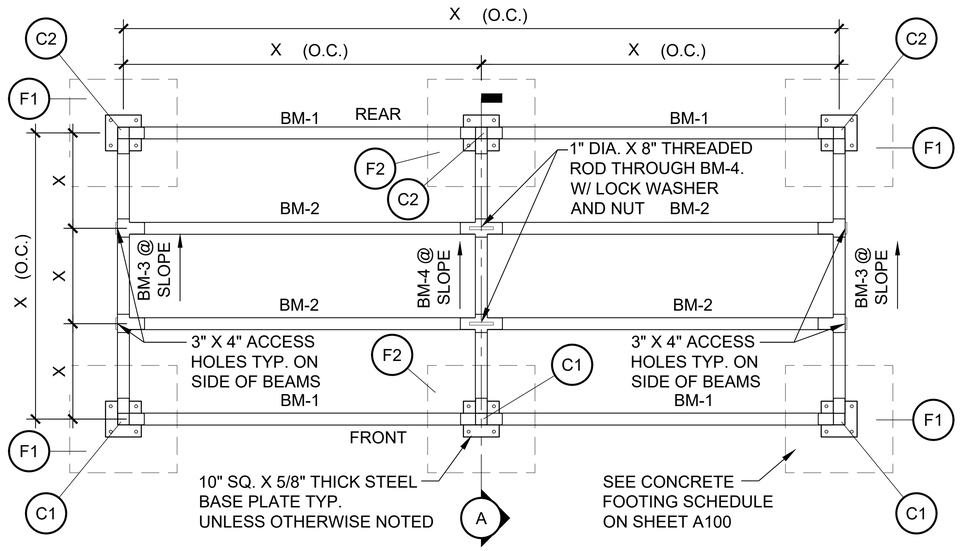
(352) 620-0909 WWW.RISPOLIARCHITECT.COM
JOE@RISPOLIARCHITECT.COM

PROJECT NAME: _____
PROJECT ADDRESS: _____

100% CONSTRUCTION DOCUMENTS

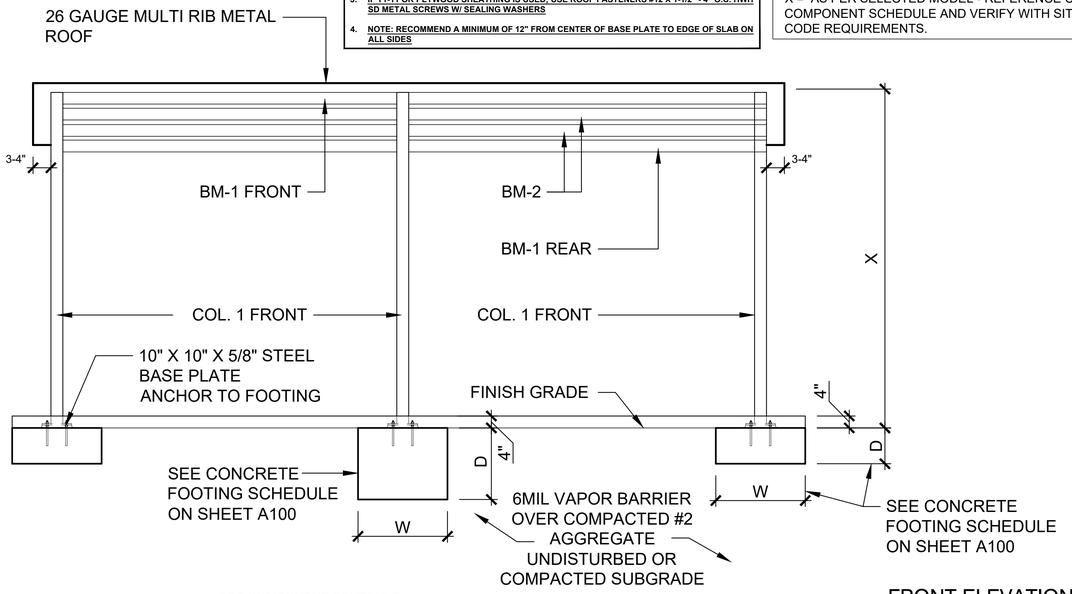


NOTES:

1. SEE DETAILS FOR ATTACHMENT OF EACH SHOP WELDED BEAM CONNECTION.
2. FOUNDATION AND REINFORCING SIZES ARE SUGGESTIONS ONLY. CONTRACTOR MUST VERIFY WITH LOCAL BUILDING CODE REQUIREMENTS PRIOR TO CONSTRUCTION.
3. IF T1-11 OR PLYWOOD SHEATHING IS USED; USE ROOF FASTENERS #12 X 1-1/2" - 4" O.C. HWH SD METAL SCREWS W/ SEALING WASHERS
4. NOTE: RECOMMEND A MINIMUM OF 12" FROM CENTER OF BASE PLATE TO EDGE OF SLAB ON ALL SIDES

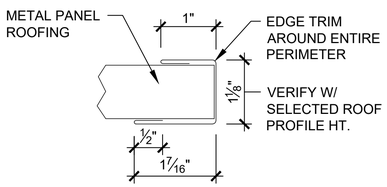
* NORTHERN CLIMATE DUGOUTS REQUIRE AN ADDITIONAL BM-2 FOR OVER 6'-0" DEPTH OR GREATER

X = AS PER SELECTED MODEL - REFERENCE COVER SHEET COMPONENT SCHEDULE AND VERIFY WITH SITE AND LOCAL CODE REQUIREMENTS.



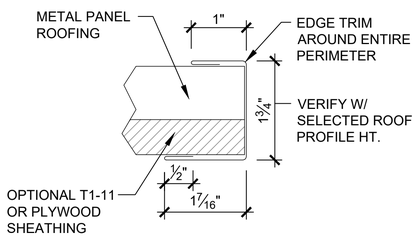
COLUMN & BEAM PLAN

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



TYPICAL EDGE TRIM DETAIL

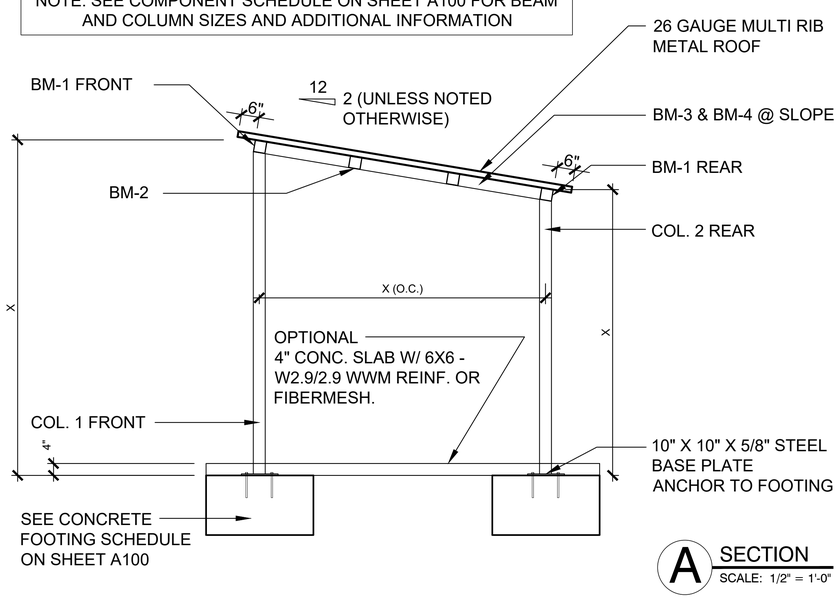
SCALE: NTS



OPTIONAL EDGE TRIM DETAIL

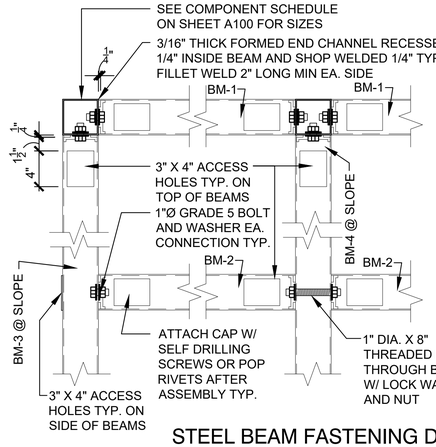
SCALE: NTS

NOTE: SEE COMPONENT SCHEDULE ON SHEET A100 FOR BEAM AND COLUMN SIZES AND ADDITIONAL INFORMATION



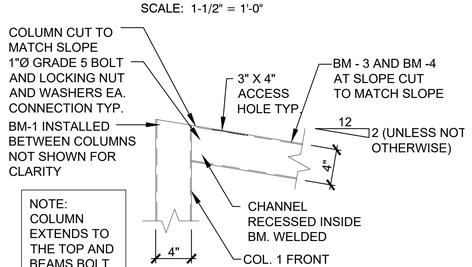
A SECTION

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



STEEL BEAM FASTENING DETAIL

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

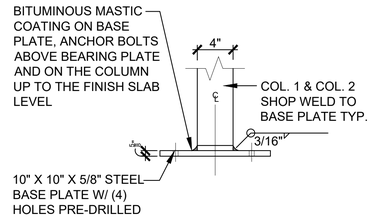


BEAM TO COLUMN CONNECTION DETAIL

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

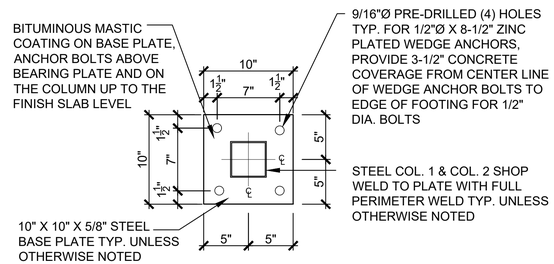
FRONT ELEVATION

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



BASE PLATE DETAIL SIDE VIEW

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



BASE PLATE DETAIL PLAN VIEW

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

REVISIONS

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PROJECT NAME:

PROJECT ADDRESS:

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CRYSTAL RIVER, FLORIDA 34429
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FAX: 352-527-7501

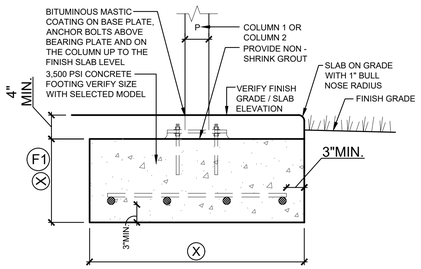
DRAWN	PROJECT NO.
R A A	2439
CHECKED	DATE
R A A	10-03-24

MODEL#: _____

NOTE:
REFER TO MODEL # ABOVE AND SEE ATTACHED CORRESPONDING DRAWING FOR ACTUAL DUGOUT FRAME DETAILS AND DIMENSIONS

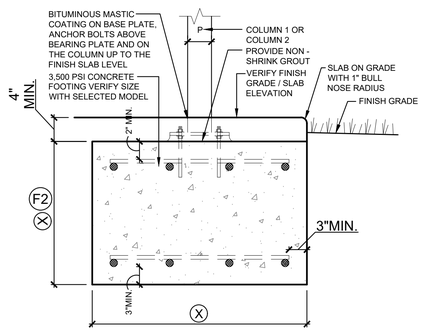
A101

SHEET NO.



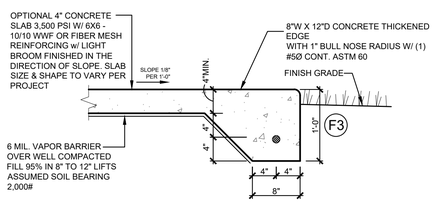
1 SQUARE COLUMN FOOTING AND SLAB SECTION

SCALE: 1" = 1'-0"



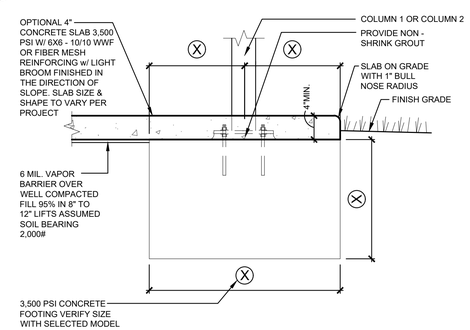
2 SQUARE COLUMN FOOTING AND SLAB SECTION

SCALE: 1" = 1'-0"



3 THICKENED SLAB EDGE BETWEEN FOOTINGS

SCALE: 1" = 1'-0"



4 SLAB OVER FOOTING DETAIL

SCALE: NTS

NOTES:

1. **SEE DETAILS FOR ATTACHMENT OF EACH SHOP WELDED BEAM CONNECTION.**
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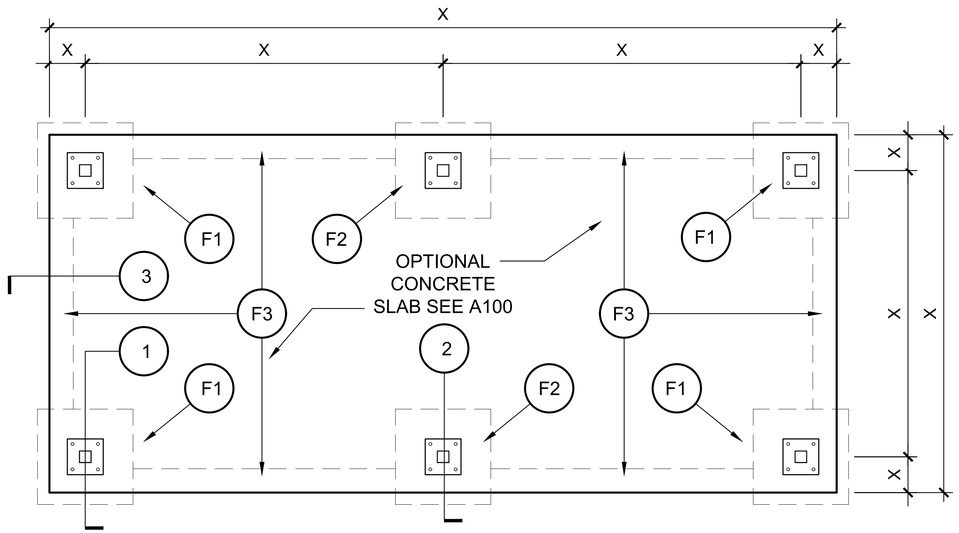
3. **IF T1-11 OR PLYWOOD SHEATHING IS USED; USE ROOF FASTENERS #12 X 1-1/2" - 4" O.C. HWH SD METAL SCREWS W/ SEALING WASHERS**
4. **NOTE: RECOMMEND A MINIMUM OF 12" FROM CENTER OF BASE PLATE TO EDGE OF SLAB ON ALL SIDES**

X = AS PER SELECTED MODEL - REFERENCE COVER SHEET COMPONENT SCHEDULE AND VERIFY WITH SITE AND LOCAL CODE REQUIREMENTS.



SQUARE COLUMN SLAB PLAN VIEW

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

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NOTE:
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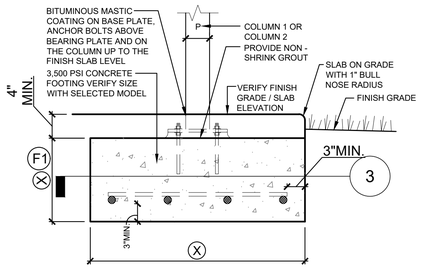
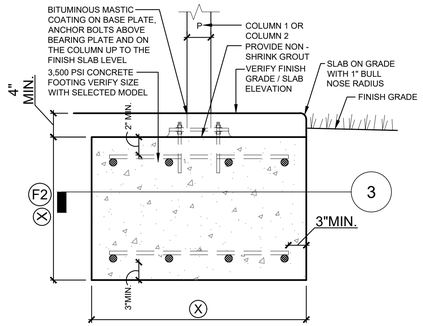
A102

SHEET NO.



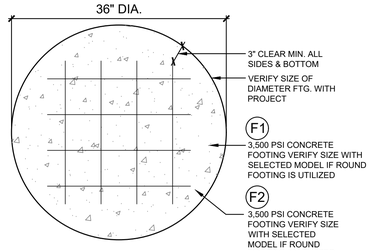
1 ROUND COLUMN FOOTING AND SLAB SECTION

SCALE: 1" = 1'-0"



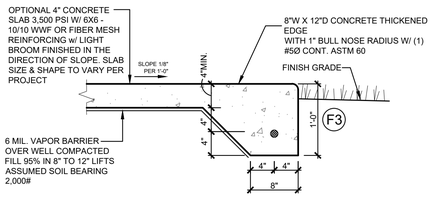
2 ROUND COLUMN FOOTING AND SLAB SECTION

SCALE: 1" = 1'-0"



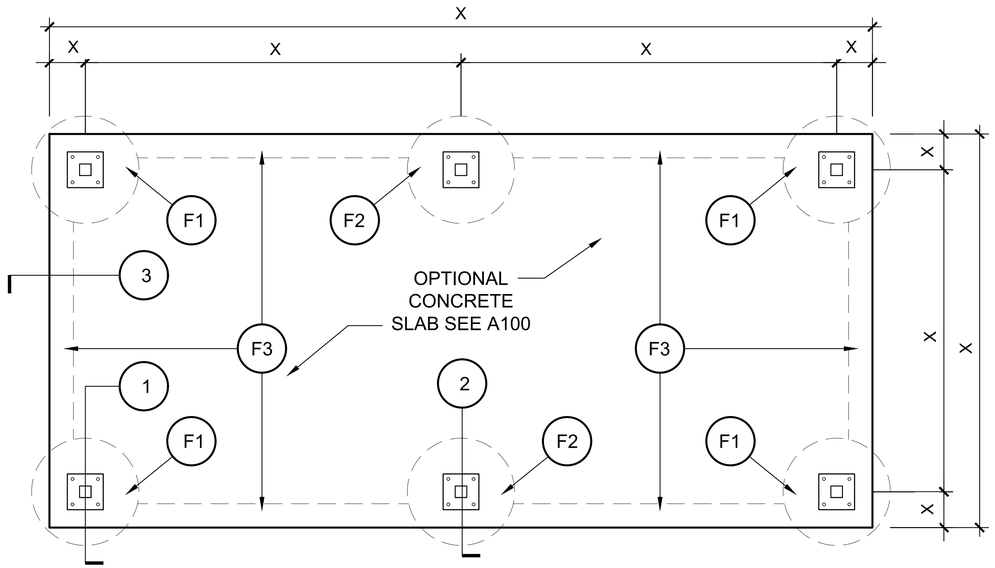
3 ROUND COLUMN FOOTING AND SLAB SECTION

SCALE: 1" = 1'-0"



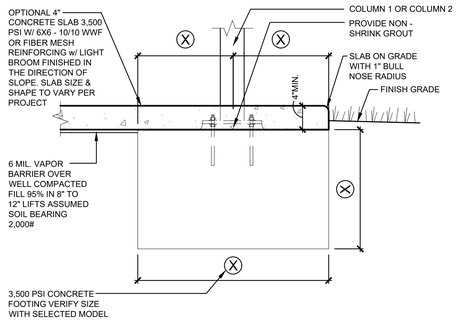
4 THICKENED SLAB EDGE BETWEEN FOOTINGS

SCALE: 1" = 1'-0"



SQUARE COLUMN SLAB PLAN VIEW

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



5 SLAB OVER FOOTING DETAIL

SCALE: NTS

NOTES:

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4. **NOTE: RECOMMEND A MINIMUM OF 12" FROM CENTER OF BASE PLATE TO EDGE OF SLAB ON ALL SIDES**

X = AS PER SELECTED MODEL - REFERENCE COVER SHEET COMPONENT SCHEDULE AND VERIFY WITH SITE AND LOCAL CODE REQUIREMENTS.

REVISIONS

JOSEPH A. RISPOLI, AIA
ARCHITECT, FL. LICENSE: AR95439
DIGITAL SIGNATURE

RISPOLI & ASSOCIATES
ARCHITECTURE, INC.
114 SOUTH MAGNOLIA AVENUE, OCALA, FLORIDA 34471
(352) 620-0909 WWW.RISPOLIARCHITECT.COM
JOE@RISPOLIARCHITECT.COM

PROJECT NAME:

PROJECT ADDRESS:

100% CONSTRUCTION DOCUMENTS

DUGOUTS USA
6565 W. NORVELL BRYANT HWY SUITE B
CRYSTAL RIVER, FLORIDA 34429
WWW.DUGOUTSUSA.COM
OFFICE: 352-527-7500
FAX: 352-527-7501

DRAWN	PROJECT NO.
R A A	2439
CHECKED	DATE
R A A	10-03-24

MODEL#: _____

NOTE:
REFER TO MODEL # ABOVE AND SEE ATTACHED CORRESPONDING DRAWING FOR ACTUAL DUGOUT FRAME DETAILS AND DIMENSIONS

A103

SHEET NO.

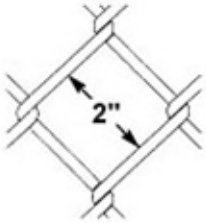
Fencing

Vinyl Extruded chain link fence fabric has a steel core wire that is about 12 gauge. A heavier duty option would be extruded and bonded. This uses an 11 gauge core which after coating, finishes out at an 8 guage finish. A last option which is special order would be fused and bonded. This is typically used in heavy commercial or industrial projects.

What is the difference between 'Extruded' and 'Extruded and Bonded'? In layman's terms, Extruded Vinyl, when cut with a knife, can be peeled off like a banana. However, it does not peel easily. Extruded and Bonded Vinyl is also adhered to the wire and would have to be cut off completely, much like peeling a potato. Extruded costs less than Extruded and Bonded.

About mesh size: The galvanized fabric mesh for 11-1/2 gauge measures 2-1/4". The 11, 9, and 6 gauge galvanized mesh measures 2". Mesh size is the measured distance between two parallel sides (see illustration).

Measuring Chain Link Mesh



Note about gauges: The smaller the number, the heavier the fabric; henceforth 9ga. is heavier than 11ga.. We recommend 11ga. for residential jobs and 9ga. for commercial jobs. Heavier gauges are not only stronger, but have a better finish; The heavier the gauge the longer it may be 'hot-dip galvanized' to prevent rust and corrosion.

Fence Height	
3'	53 lbs.

3-1/2'	63 lbs.
4'	70 lbs.
5'	88 lbs.
6'	105 lbs.
7'	123 lbs.
8'	140 lbs.
10'	175 lbs.
12'	210 lbs.

Weights shown are approximate.

Town of Herndon, Virginia
Notice of Public Hearing

Notice is hereby given that the **Architectural Review Board** (ARB) of the Town of Herndon, Virginia, will hold a public hearing on Wednesday, January 21, 2026, at 7:30 p.m. in the Herndon Council Chambers Building, located at 765 Lynn Street, Herndon on the following items:

APPLICATION FOR NEW CONSTRUCTION, ARB #25-004, to consider an application for the erection of new playground equipment and other minor site improvements on the public property known as Harding Park, at 749 Van Buren Street, Herndon, Virginia, located in the southwest quadrant of the intersection of Jefferson Street and Van Buren Street. The subject property is further identified as Fairfax County Tax Map 0162 02 0240, is zoned RM, Residential Multi-Family, and consists of 20,969 square feet of land. Applicant: Zeljko Spasojevic, Town of Herndon. Owner: Town of Herndon.

APPLICATION FOR ALTERATION TO AN EXISTING STRUCTURE, ARB #25-005, to consider an application for alterations including recladding a portion of the existing shopping center in a new material at the commercial property located at 300 Elden Street, Herndon, Virginia, located on the north side of Elden Street between the intersections with Herndon Parkway and Jonquil Lane. The subject property is further identified as Fairfax County Tax Map 0171 02 0025B1, is zoned CS, Commercial Services District, and consists of 107,699 square feet of land. Applicant: David Bruhnke. Owner: Tom Donaldson.

APPLICATION FOR NEW CONSTRUCTION, ARB #25-006, to consider an application for the demolition and replacement of two existing dugouts, installation of a seat wall, and other minor site improvements on the public property known as Bready Park, at 814 Ferndale Avenue, Herndon, Virginia, located on the east side of Ferndale Avenue at the intersection with the Washington and Old Dominion Trail. The subject property is further identified as Fairfax County Tax Map 0104 02 0013, is zoned R-10, Residential Single-Family - 10 District, and consists of 11.7321 acres of land. Applicant: Zeljko Spasojevic, The Town of Herndon. Owner: The Town of Herndon.

The public is encouraged to participate in the town's public hearing process. Individuals having an interest in the above items are invited to attend the public hearing and state their opinions. Individuals may also submit comments to hdrb.arb@herndon-va.gov.

The proposed items are available for examination by the public at the Department of Community Development, 777 Lynn Street, Herndon, during normal business hours (Monday – Friday) and on the town's website www.herndon-va.gov.

The Town of Herndon supports the Americans with Disabilities Act by making reasonable accommodations for persons with disabilities so that they may participate in services, programs, or activities, offered by the town. Please call (703) 435-6804 to arrange for any accommodation that may be necessary to allow for participation.

Amanda Morrow Kertz, Town Clerk

Note to Publisher:
Publish on January 2, 2026/January 9, 2026

Architectural Review Board

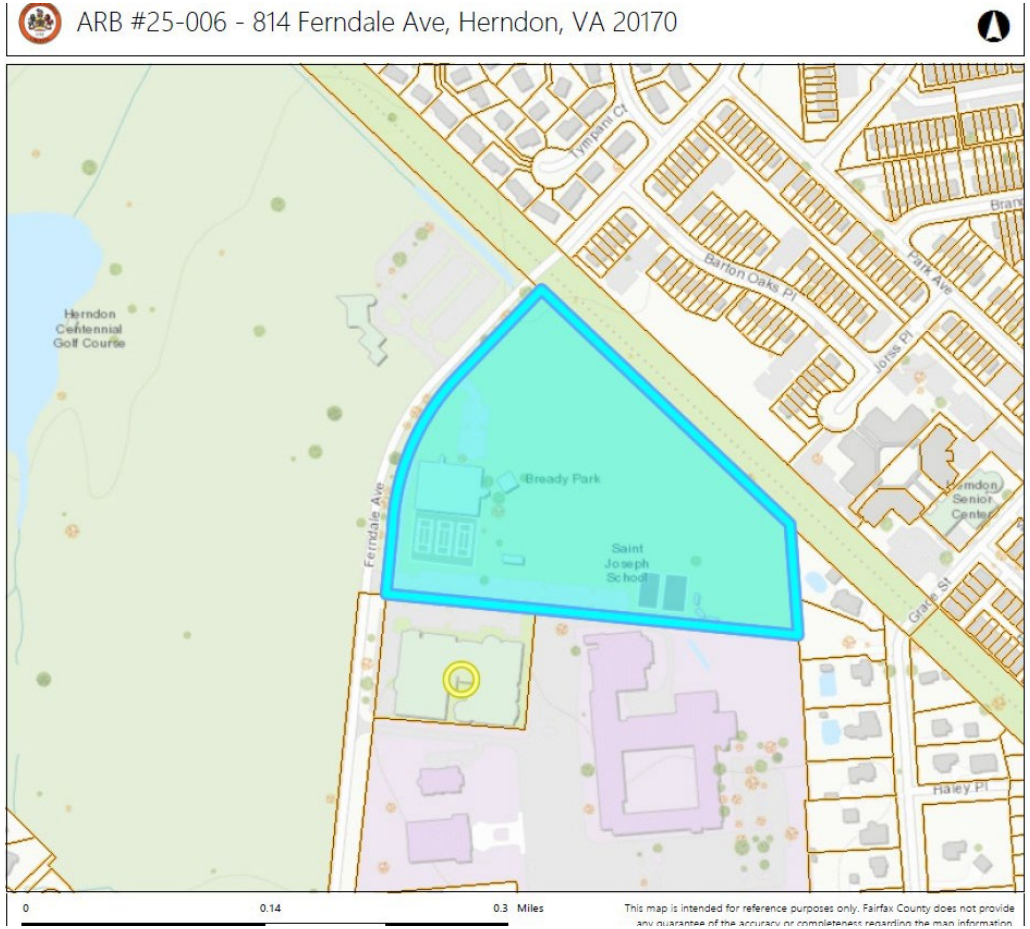
January 21, 2026, Regular Meeting

ARB #25-006 – New Construction

TOWN OF Herndon

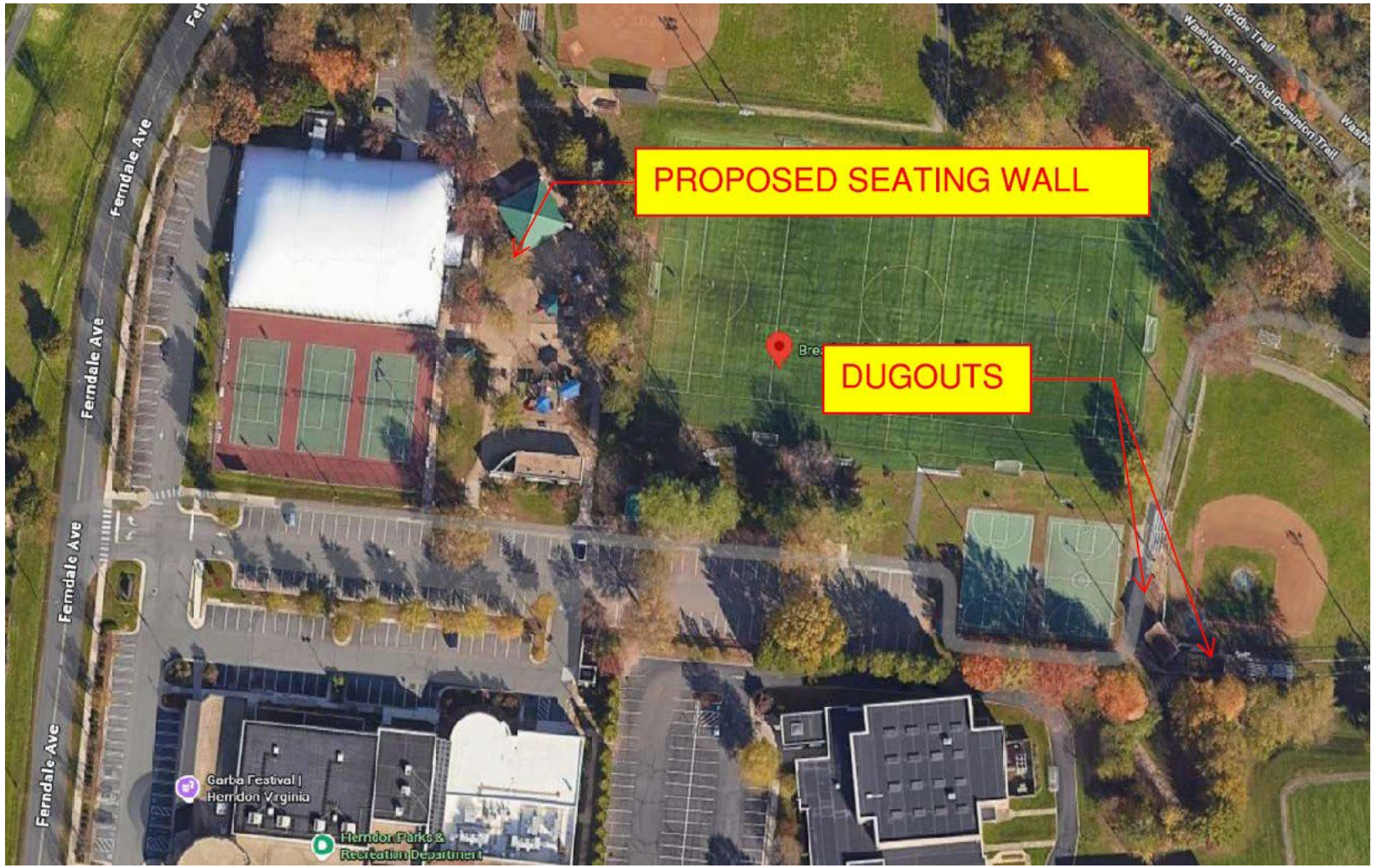
LIVE DIFFERENTLY.

Existing Conditions

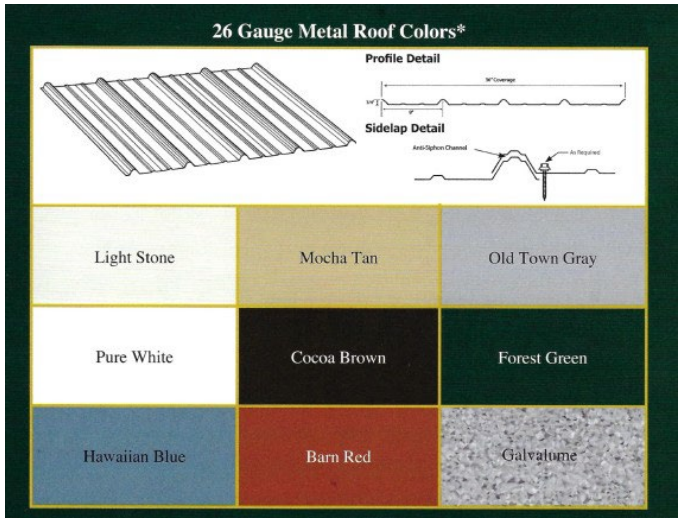


Existing Conditions

Proposed Design



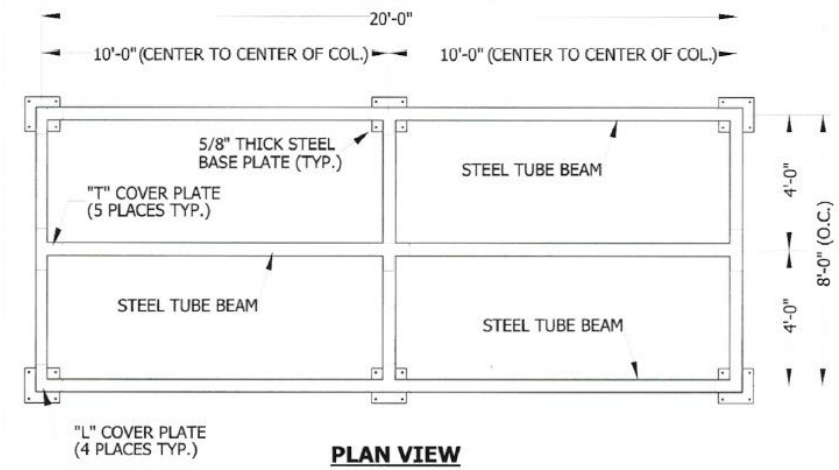
Proposed Design

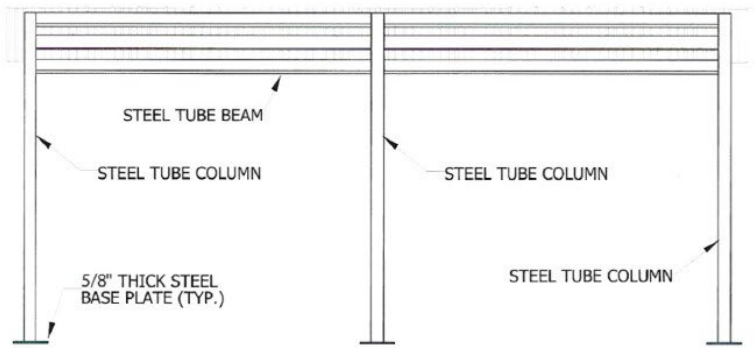


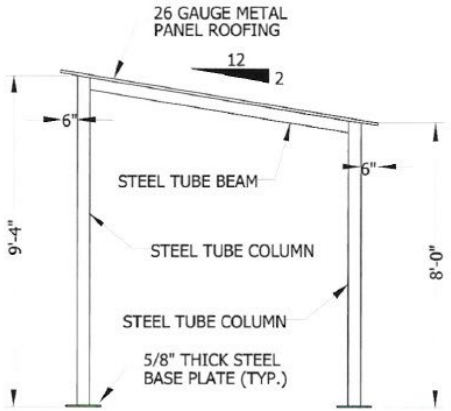
Example photographs

Available colors

Proposed Design

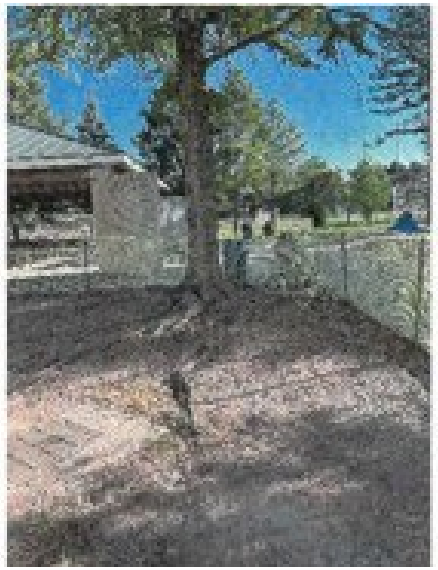






General Specification Drawings

Proposed Design



Staff Analysis

- Chain-link is only permitted within recreational areas in town
  - Design proposal removes masonry dugouts and changes character of this amenity
- Removal of the existing mural on dugout
- Protect wooden dugout benches with oil-based alkyd primer finished with an acrylic latex paint

Updates

- Work Session:
  - Board generally supportive of project
    - In favor of CD staff working with applicant to resolve design details
  - Encouraged applicant to repaint mural elsewhere in Bready Park
  - Prefer black dugout structure with green roof and adobe color for seat wall

- Conditioned resolution:
  - Dugout structures to be black with green roofs
  - Seat/retaining wall to be light color, split-faced CMU
  - Wooden seating will be appropriately sealed
  - Applicant will work with staff to resolve all outstanding design details
  - Applicant will provide additional materials, including any requested samples

- Staff recommend approval in accordance with the conditioned draft resolution

Architectural Review Board

January 21, 2026, Regular Meeting

ARB #25-006 – New Construction

TOWN OF Herndon

LIVE DIFFERENTLY.