



THE VIRGIN ISLANDS DEPARTMENT OF **EDUCATION**

REQUEST FOR PROPOSALS (RFP)

RFP-DOE-2022-007

**Design- Build Wheelchair Accessible Playground
Equipment Installation St. Croix Schools**

June 1, 2022

Proposal Deadline

June 20, 2022

Email delivery: bids@vide.vi

I. GENERAL INFORMATION

A. PURPOSE / OVERVIEW

To engage and retain a licensed and experienced general construction contractor complete site preparations and install wheel chair accessible playground equipment for students with physical disabilities at two (2) schools in the St. Croix District. The State Office of Special Education has already procured and is in possession of wheelchair accessible play equipment to expand the existing playground equipment at two designated school sites on St. Croix. The following schools are as follows:

- | | |
|--------------------------------------|---------------------------------------|
| 1. Juanita Gardine Elementary School | 2. Claude O. Markoe Elementary School |
| Estate Richmond, | 71-75R Estate Mars Hill |
| St. Croix, VI 00820 | Frederiksted, St. Croix 00840 |

B. BACKGROUND

Virgin Islands Department of Education

The Commissioner of Education heads the Virgin Islands Department of Education, including the Virgin Islands Public School System. The Territory of the United States Virgin Islands is divided into two (2) school districts – the St. Thomas-St. John school district and the St. Croix school district. The two (2) school districts are managed and directed by Insular Superintendents with the day-to-day operations of each school district being managed with district offices on St. Thomas and St. Croix. The following contains additional information concerning the two (2) school districts:

| ST. THOMAS/ST. JOHN SCHOOL DISTRICT | Number |
|--|---------------|
| Schools | 12 |
| Elementary Schools | 7 |
| Middle Schools | 2 |
| Junior High School | 1 |
| High Schools | 2 |
| Programs | 3 |
| Day Adult Program | 1 |
| Skill Center | 1 |
| Alternative Ed Program | 1 |
| Total Schools and Programs | 15 |
| Number of Students | 5,375 |
| | |
| ST. CROIX SCHOOL DISTRICT | |
| Schools | 13 |
| Elementary Schools | 8 |
| High Schools | 2 |
| Junior High | 3 |
| Programs | 3 |
| Adult Ed | 1 |

| | |
|--|---------------|
| Alternative Ed | 1 |
| Career and Technical Ed | 1 |
| Total Schools and Programs | 16 |
| Number of Students | 5,382 |
| BOTH DISTRICTS | |
| TOTAL NUMBER OF VIDE REGULAR K-12 SCHOOLS | 25 |
| TOTAL NUMBER OF PROGRAMS | 6 |
| TOTAL NUMBER OF STUDENTS | 10,757 |
| TOTAL NUMBER OF TEACHERS/ADMINISTRATORS | 1,124 |

On the island of St. John, one (1) school serve the elementary and middle school student population. The senior high school students from the island of St. John are served by schools on the island of St. Thomas.

The Division of Operations has been designated and will serve as the DOE liaison on this project.

C. ADMINISTRATIVE STRUCTURE

Honorable Racquel Berry Benjamin, Commissioner heads the Virgin Islands Department Of Education. The Department has two (2) school districts, the St. Thomas-St. John School District, and the St. Croix School District that are managed and directed by Insular Superintendents. The official physical and mailing to be used for any correspondence or delivery of paper reports address for the DOE is as follows:

Khadila D. Joseph, Procurement Director
Virgin Islands Department of Education
1834 Kongens Gade
St. Thomas, US Virgin Islands 00802-6742
bids@vide.vi

D. CONTRACT TYPE

The contract awarded under this RFP will be a design-build Contract. No payments in advance or in anticipation of services or supplies to be provided under the contract shall be made by the Government.

E. CONTRACT TERMS

Unless otherwise agreed pursuant to negotiations, the term of the contract awarded under this RFP shall be for a period of one (1) year.

F. SELECTION OF CONTRACTOR

A contract shall be negotiated with a proposer deemed to be the most qualified and responsive to this solicitation. Such a proposer is one, which has financial, technical, and other resources that indicate an ability to perform the services required by this solicitation. A number of factors may influence the Government's decision in selecting

the provider. These factors include, but are not limited to, proposer's ability to deliver requested services in a timely manner; reputation, qualifications, experience, familiarity, and specialty in providing similar services; quality of supporting resources; and responsibility status.

The proposer shall also meet the following requirements:

- (1) Provide description of the proposer's organization.
- (2) Provide history and background of organization.
- (3) Provide previous experience including years of experience describing the type of experience required for the project.
- (4) Demonstrate ability and capability to deliver on all aspects as described in Section II.
 - Proposers should present their vision of how they propose meeting DOE's needs and identify the overall approach to the project, define the scope of their offered services, and how they propose to meet the *Scope of Services and Deliverables* as defined in this RFP.
- (5) Provide at least three (3) professional references (project references).
- (6) Demonstrate the ability to perform services on-site in DOE's facilities.

H. INCURRED COSTS

The Government of the Virgin Islands is not liable for any cost incurred by the proposer prior to the signing of a contract by all Parties.

I. LATE PROPOSALS

Any Proposal received after the exact time specified for receipt will not be considered.

J. GIFTS FROM CONSULTANT

The Government's officers, employees, or agents shall neither solicit nor accept gratuities, favors, or anything of monetary value from contractors or potential contractors. To the extent permissible under local laws, rules, or regulations, such standards shall provide for appropriate penalties, sanctions, or other disciplinary actions to be applied for violations of such standards.

K. LICENSES, FEES & TAXES

1. The selected contractor shall be responsible for paying all applicable taxes and fees, including but not limited to, excise tax, local income tax, and payroll and withholding taxes for its employees. The contractor shall hold Government harmless for all claims arising from payment of such taxes and fees.
2. The selected contractor shall obtain and post as required, all licenses, insurances, permits, and certificates as required by federal and local laws, rules and regulations, and policies.

L. PROPOSAL FORMAT

Each proposal must also meet the following minimum requirements:

Part I: Narrative

1) Table of Contents

This section must contain a table of contents. All major parts of the proposal must be identified by page numbers.

2) Executive Summary/Proposal Overview

This section must describe the salient features of the proposal. It must contain an overview of the proposer's company background and qualifications, and must condense and highlight the contents of the proposal to provide a broad understanding of the entire proposal. The Executive Summary should include conclusions and generalized recommendations. Pricing information must not be included in the Executive Summary.

3) Required Parts and Documents

The proposal must include components of Section I. F.

4) Technical Response

Demonstrate ability and capacity to provide services described in Section II. In this section, proposers should present their vision of how they propose meeting the Government's needs and identify the overall approach to the project, define the scope of their offered services, and how they propose to meet the *Scope of Services* as defined in this RFP.

Part II: Cost Proposal

The proposal shall provide the proposed compensation for the services described in Attachment A.

M. FEDERAL FUNDING/DEBARMENT CERTIFICATION

The selected contractor certifies that it is eligible to receive contract awards using federally appropriated funds and that it has not been suspended or debarred from entering into contracts with any federal agency. The Contractor shall include this provision in each of its subcontracts hereunder and shall furnish its subcontractors with the current "LIST OF PARTIES EXCLUDED FROM FEDERAL PROCUREMENT OR NON PROCUREMENT".

II. SCOPE OF SERVICES

Overview

This project will require the selected contractor to prepare a survey, site plan and design, obtain DPNR permits, sort and transport the components to their respective sites, construct the required and permitted foundation/supports and install all of the playground equipment. The grounds will need to be prepped and may include some minor demolition, but the project is primarily to

augment the existing site with the addition of the wheelchair accessible components. Design and construct wheelchair accessible ADA compliant curb cuts, ramps, and pathways to the ADA playground equipment to enable students in wheelchairs to safely access the site and comply with ADA and the building code. The distribution details are outlined below. The work designed above shall be done at the schools listed below:

- Claude O. Markoe Elementary School is expected to receive 2 pieces of equipment
 - Sway fun w/12 ft. ramp
 - We go round
 - Pulse Tempo

- Juanita Gardine Elementary School Should receive 2 pieces of equipment
 - Pulse Tempo
 - Sway fun w/12 ft. ramp
 - We go round

Tasks

The selected contractor shall relocate the equipment as need to ensure the right equipment is install at the respective sites as outlined above. This will require some larger and small components to be moved from St. Thomas to St. Croix. The full installation should be completed by September 30, 2022.

Deliverables

III. NON-PERFORMANCE BY SELECTED CONTRACTOR

In the event of the selected contractor's non-performance under the subsequent contract and/or the violation or breach of the contract terms, the Government shall have the right to pursue all administrative, contractual, and legal remedies against the contractor and shall have the right to seek all sanctions and penalties as may be appropriate. Further, either party shall have the right to terminate the contract with or without cause upon the agreed upon written notice to the other party specifying the date of termination.

IV. CONTRACTUAL REQUIREMENTS

All bid proposals and subsequent contract and supporting documents must reflect the legal name of entity. Supporting documents that must be submitted prior to contract execution and within the time established by the Government shall include, but not be limited to, the following:

- (1) **Certificate of Resolution**, as to the authorized negotiator and signer of a contract.
- (2) **Current Virgin Islands Business License** issued to the legal name of record of the entity by the Government of the Virgin Islands, Department of Licensing and Consumer Affairs; and if applicable, copy of current business license issued by state, city or county in which the foreign corporation is operating.
- (3) One (1) **current Certificate(s) of Good Standing/Existence**, in legal name of the Contractor by the Virgin Islands Office of the Lt. Governor, Division of Corporations and Trademarks; and if company is not locally formed, an original *Certificate of Good Standing, Certificate of Existence, or Certificate of Status* from the state of registration.
- (4) Certificate of Issuance or Renewal of Trade Name issued by the Virgin Islands Office of the Lt. Governor, Division of Corporations and Trademarks, if applicable.
- (5) **Articles of Incorporation or Organization**, as applicable; or documents governing operation.
- (6) **Certificate of Liability Insurance** indicating proof of coverage of **Professional Liability Insurance** and **General Liability/Public Liability Insurance** - each of no less than one million dollars and zero cents (\$1,000,000.00) for any one occurrence. The Contractor must provide a **Certificate of Liability Insurance** and **Declaration/Endorsement** pages that indicating that the Government of the Virgin Islands, Department of Education, is as “**certificate holder**” and an “**additional insured**” on the **General Liability/Public Liability Insurance**. The Professional Liability Insurance must cover the services to be provided under the contract.
- (7) Certificate of Government Insurance/Copy of Certificate providing firm/agents are covered by Workers’ Compensation Employee’s Liability.
- (8) System for Award Management (SAM) certifying the Contractor’s’ eligibility to receive contract awards appropriated with federal funds; www.sam.gov.

Please note the above-referenced documents are subject to modification at the Government’s discretion.

Any silence, absence, or omission from the contract specifications concerning any point shall be regarded as meaning that only the best commercial practices are to prevail.

All contractual documents including insurance certificates/policies must be kept updated and maintained throughout the term of the contract



BID

GOVERNMENT OF THE VIRGIN ISLANDS
DEPARTMENT OF EDUCATION

Attachment A: Itemized Bid Sheet

Design-Build

Design-Build of SPED Playground Equipment – Wheel Chair Accessible at the Claude O. Markoe Elementary School and Juanita Gardine Elementary School in St. Croix School District

The work to these facilities will be required to be 100% complete by the firm deadline of September 30, 2022.

BASE BID ITEMS

| No. | Description | Specifics | Qty. | Units | Unit Price | Total Price |
|---|---|-----------|------|-------|------------|-------------|
| 1. | Mobilization -Not more than 10% of the total price | | | | | |
| 2. | Design Services – <i>Claude O. Markoe Elementary School</i> <i>Juanita Gardine Elementary School</i> -As-built topographic survey of the area to be modified at each school -Design of site plan, foundations/supports, pathways and curb cuts per ADA and Code for all three schools -Obtain the required permit(s) for all three school | | 1 | EACH | | |
| (Note: Site plan must show positive drainage away from the equipment and the playground.) | | | | | | |
| | Construction of foundations/supports for the following piece of equipment per manufacturer specifications, ADA and Code: -We-Go-Round - Pulse Tempo - Sway Fun with 12-foot Ramp | | 2 | EACH | | |

| No. | Description | Specifics | Qty. | Units | Unit Price | Total Price |
|-----|--|-----------|------|-------|------------|----------------|
| | Construction of curb cuts per the approved plans: | | 3 | EACH | | |
| | Construction of accessible path to the equipment from the playground entrance per the approved plans: | | 3 | EACH | | |
| | Purchase and installation of Electrical box and all electrical components for the following piece of equipment per manufacturer specifications, ADA and Code: - Pulse Tempo | | 2 | EACH | | |
| | Installation of the following equipment, including purchasing and installing all required fasteners/connectors and any necessary equipment/components to accomplish the installation per manufacturer specifications, ADA and Code for all two schools: - We-Go-Round | | 2 | EACH | | |
| | Installation of the following equipment, including purchasing and installing all required fasteners/connectors and any necessary equipment/components to accomplish the installation per manufacturer specifications, ADA and Code for all two schools: - Pulse Tempo | | 2 | EACH | | |
| | Installation of the following equipment, including purchasing and installing all required fasteners/connectors and any necessary equipment/components to accomplish the installation per manufacturer specifications, ADA and Code for all two schools: - Sway Fun with 12-foot Ramp | | 2 | EACH | | |
| | Clearing of brush and rocks from playground | | 3 | EACH | | |
| | Installation of grass sod in playground with a neat workmanlike finish. Water the sod for two weeks to ensure successful outcome | | 3 | EACH | | |
| | LUMP SUM COST of Construction for completing entire project WITHOUT ALTERNATES: | | | | | \$_____ |

| No. | Description | Specifics | Qty. | Units | Unit Price | Total Price |
|--|-------------|-----------|------|-------|------------|-------------|
| <p>Certified Correct:</p> <hr/> <div> <div>(Licensed Contractor's Signature)</div> <div>(Date)</div> </div> <hr/> <div>(Company)</div> <hr/> <div>(Address)</div> | | | | | | |

NOTES

THE FOLLOWING LANGUAGE SHALL BE DEEMED INSERTED INTO THE CONTRACT.

1. CONTRACTOR SHALL ADHERE TO ALL DEPARTMENT AND PROCUREMENT'S STANDARD BID FORM REQUIREMENTS ESTABLISHED FOR THE VIRGIN ISLANDS GOVERNMENT'S STANDARD GENERAL CONSTRUCTION CONTRACTS.
2. CONTRACTOR'S BID SHALL BE DISQUALIFIED IF ITEMIZED BID SHEET IS NOT FULLY COMPLETED WITH BOTH UNIT PRICE AND TOTAL PRICE.
3. THE QUANTITIES NOTED ABOVE ARE NOT NECESSARILY EXACT, AND THE ITEMS NOTED DO NOT NECESSARILY MAKE UP ALL THE WORK REQUIRED, OR NOTED IN THE SPECIFICATIONS AND DRAWINGS, FOR THE COMPLETE CONSTRUCTION AND PROPER OPERATION OF THE PROJECT. THE ITEMS NOTED, WILL BE USED IN ESTABLISHING IF THE COST, WHICH ARE BEING SUBMITTED BY THE BIDDER, ARE WITHIN THE CURRENT ACCEPTABLE PRICES BEING USED IN THE U.S. VIRGIN ISLANDS CONSTRUCTION MARKET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TOTAL LUMP SUM COST FOR THE COMPLETE CONSTRUCTION OF THE PROJECT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH EXACT QUANTITIES BASED ON DOCUMENTS ISSUED AND SITE VISITS CARRIED OUT, FOR A TOTAL LUMP SUM COST TO CONSTRUCT THE PROJECT.
5. ADD ALTERNATES SHALL NOT BE INCLUDED IN THE TOTAL LUMP SUM COST OF CONSTRUCTION. THE ADD ALTERNATE ITEMS ARE FOR UTILIZATION IN THE EVENT THAT ADDITIONAL WORK OR ADJUSTMENT OF THE CONTRACTED WORK IS REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.
6. ALL PRICES BEING SUBMITTED FOR WORK TO BE DONE SHALL INCLUDE THE CONTRACTOR'S OVERHEAD TAXES AND PROFIT ALONG WITH ALL COSTS FOR MATERIALS, EQUIPMENT AND MANPOWER NECESSARY TO FACILITATE PROPER, SAFE, AND TIMELY COMPLETION OF THE PROJECT.
7. UNIT PRICES SUBMITTED ON THE ITEMIZED BID SHEET SHALL BE UTILIZED FOR ANY CREDITS OR DEBITS TO THE PROJECT; WHICH, IF NECESSARY, SHALL BE ADDRESSED AS A CHANGE ORDER TO THE PROJECT.

ATTACHMENT 1 – A.P.E. MAP FOR JUANITA GARDINE SCHOOL PLAYGROUND

Note: No historic properties have been identified.

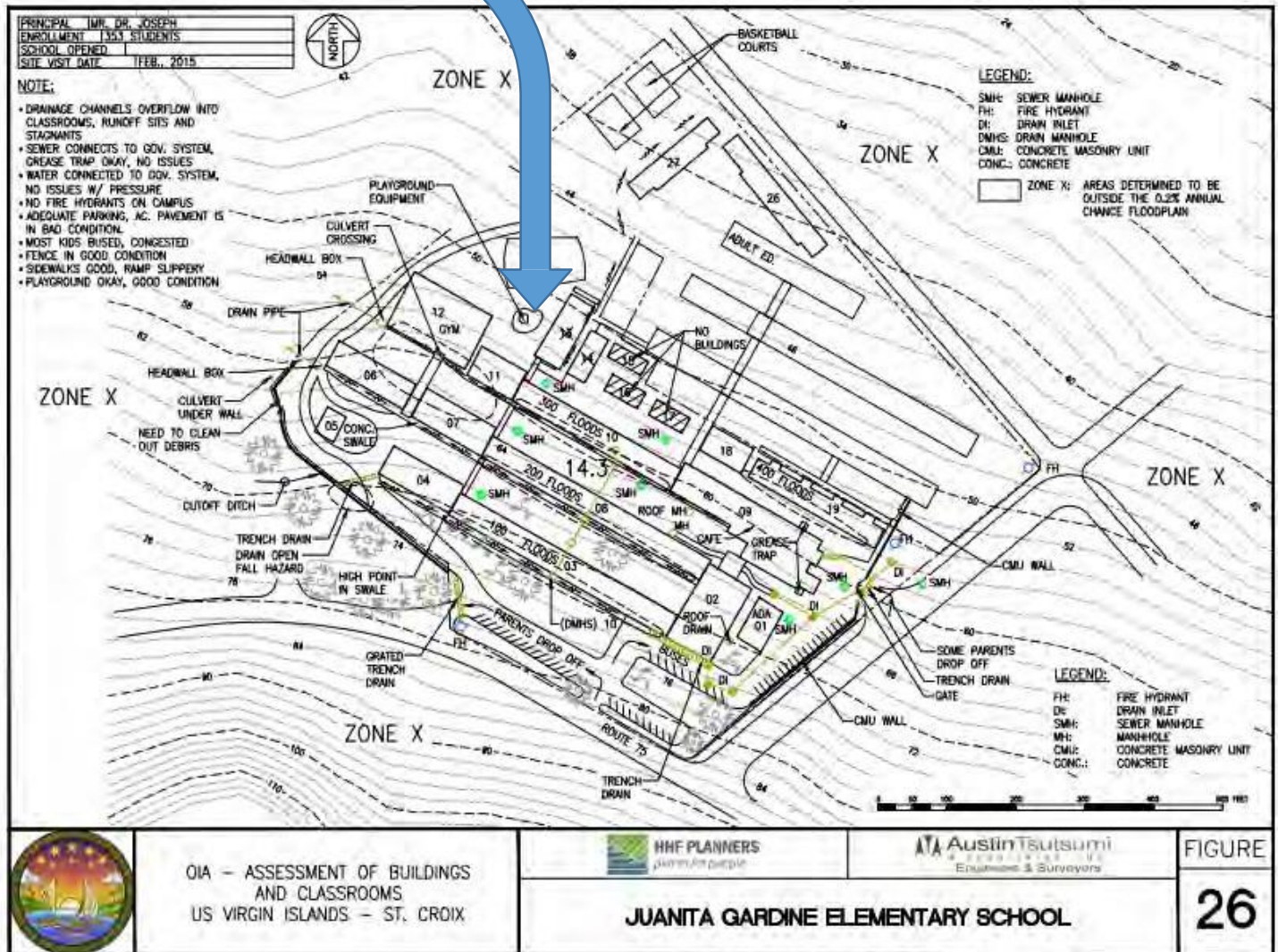
Preliminary determination of effect on historic properties: No effect.



ATTACHMENT 2 –PHOTOGRAPHS FOR JUANITA GARDINE SCHOOL PLAYGROUND



ATTACHMENT 3 – SITE PLAN FOR JUANITA GARDINE SCHOOL PLAYGROUND

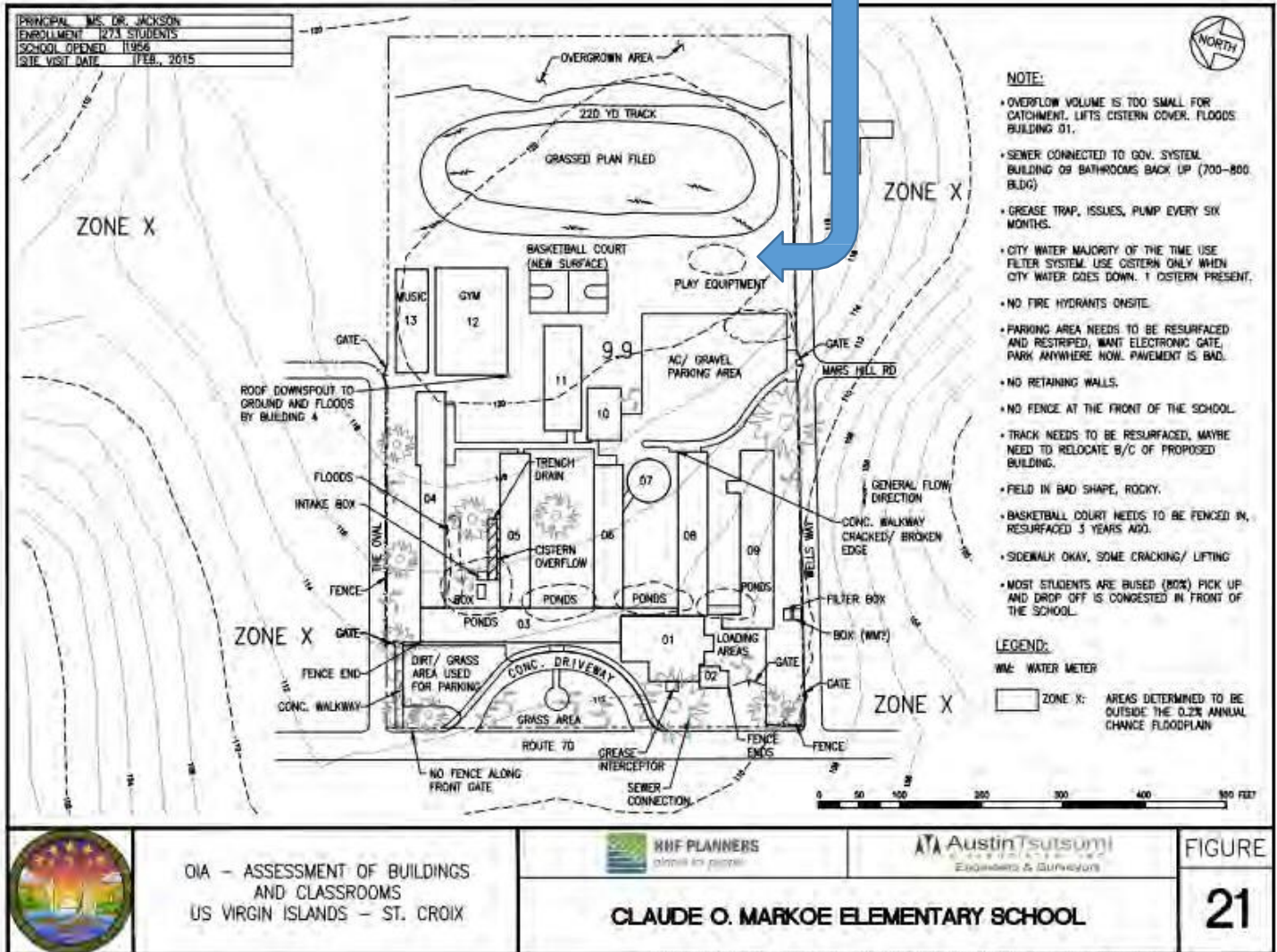




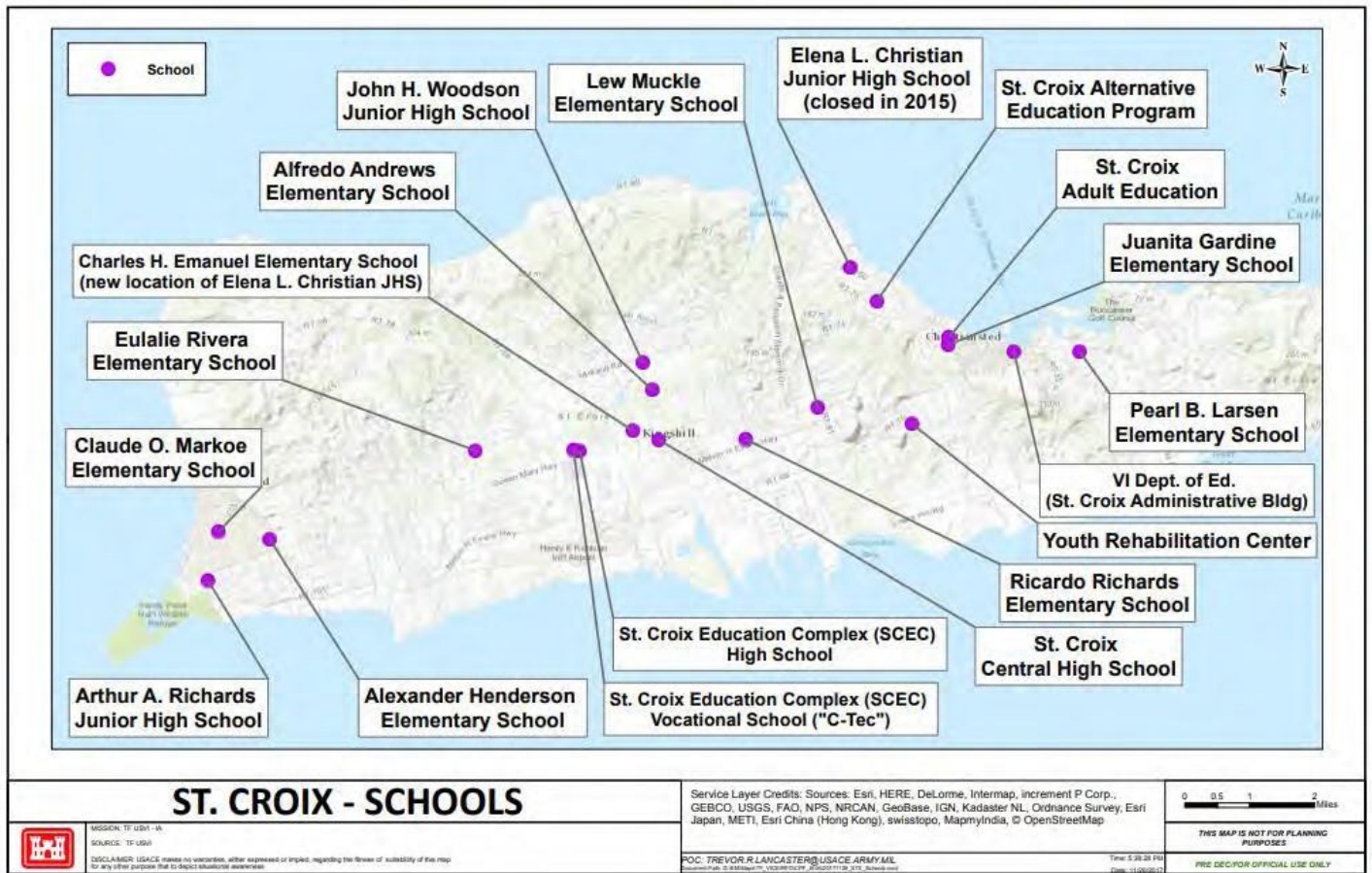
ATTACHMENT 5 – PHOTOGRAPHS FOR CLAUDE O. MARKOE SCHOOL PLAYGROUND

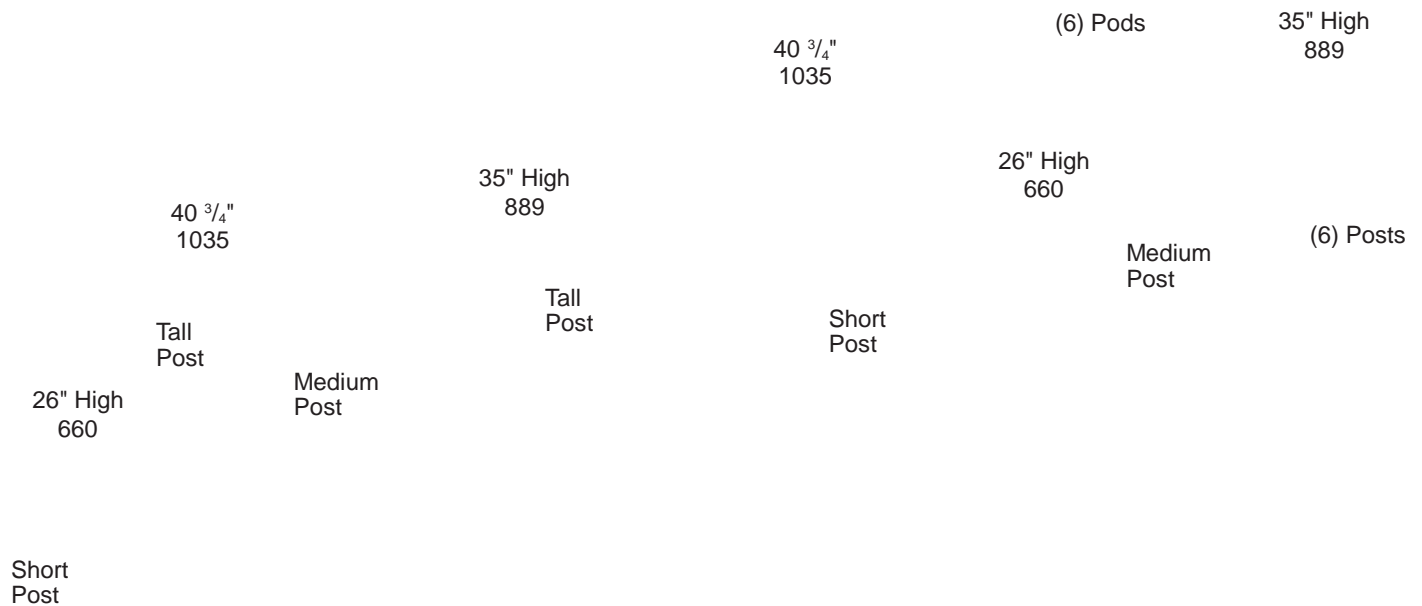


ATTACHMENT 6 – SITE PLAN FOR CLAUDE O. MARKOE SCHOOL PLAYGROUND



ATTACHMENT 7 – LOCATION OF ST. CROIX SCHOOLS

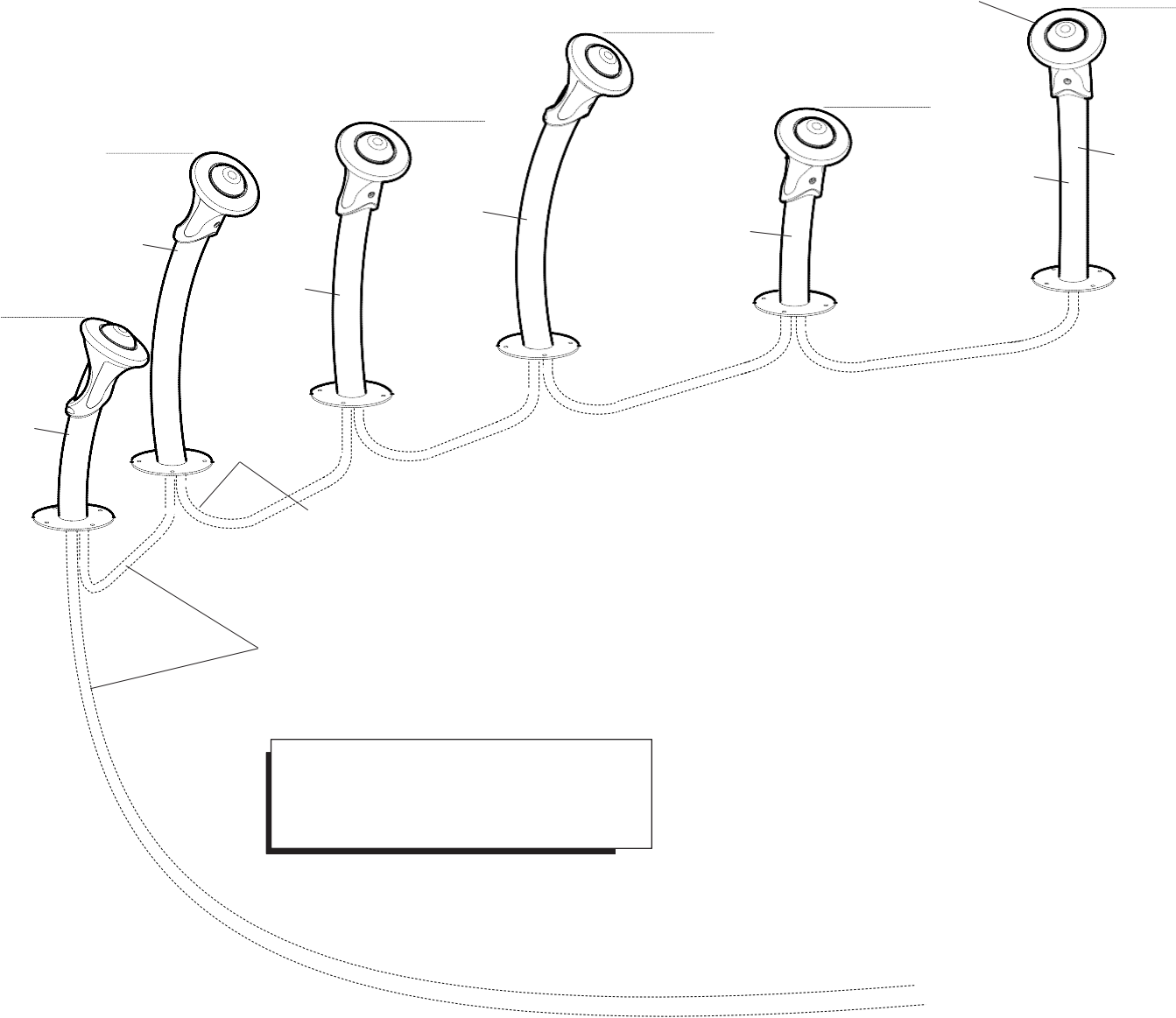




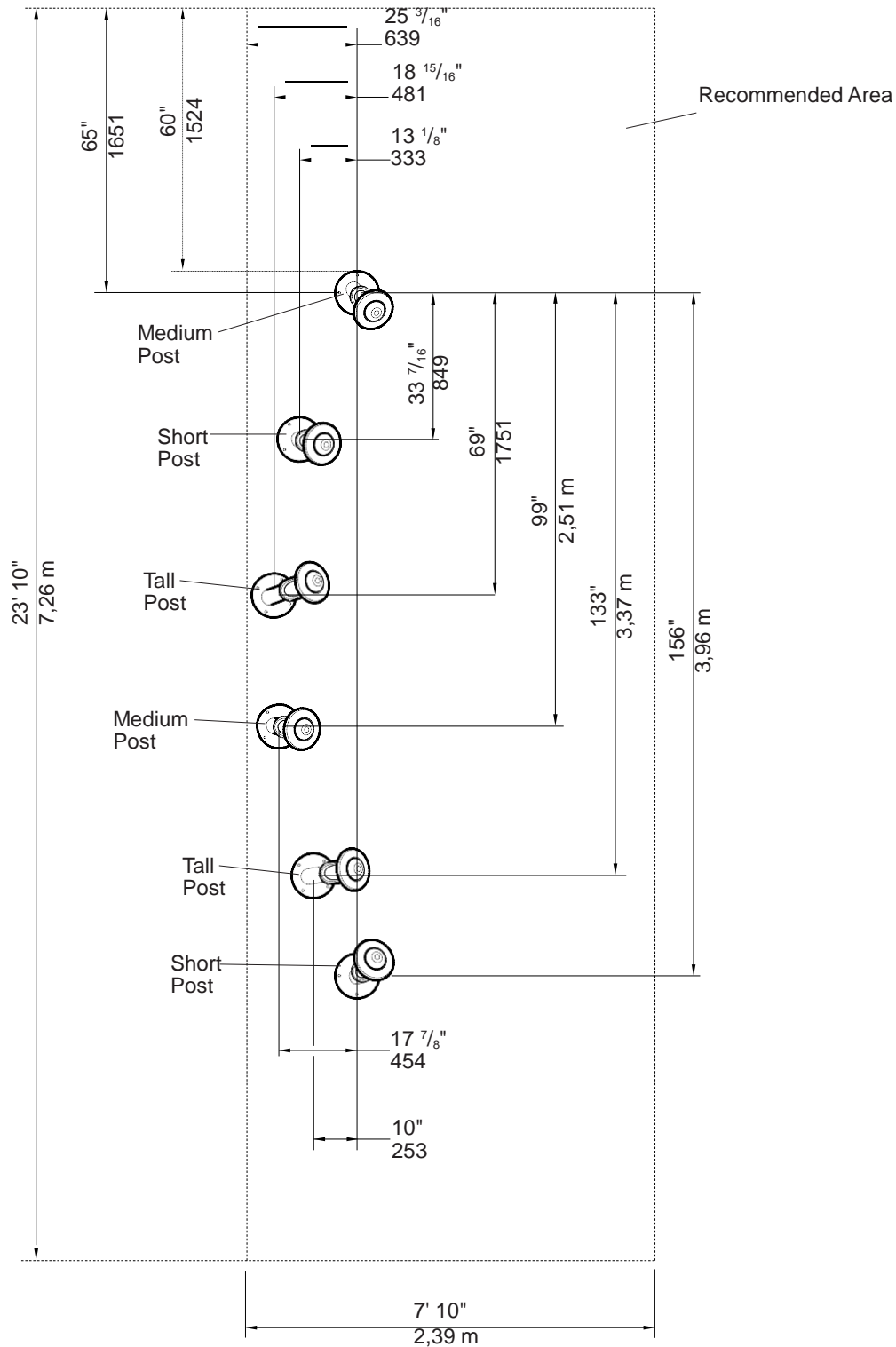
Standard 9" Min.
Bend Radius
For PVC
Pipe

Standard 1 1/4" Size Pipe
Schedule 40 Rigid PVC
(O.D. 1.660" and I.D. 1.380")
(Not Supplied)

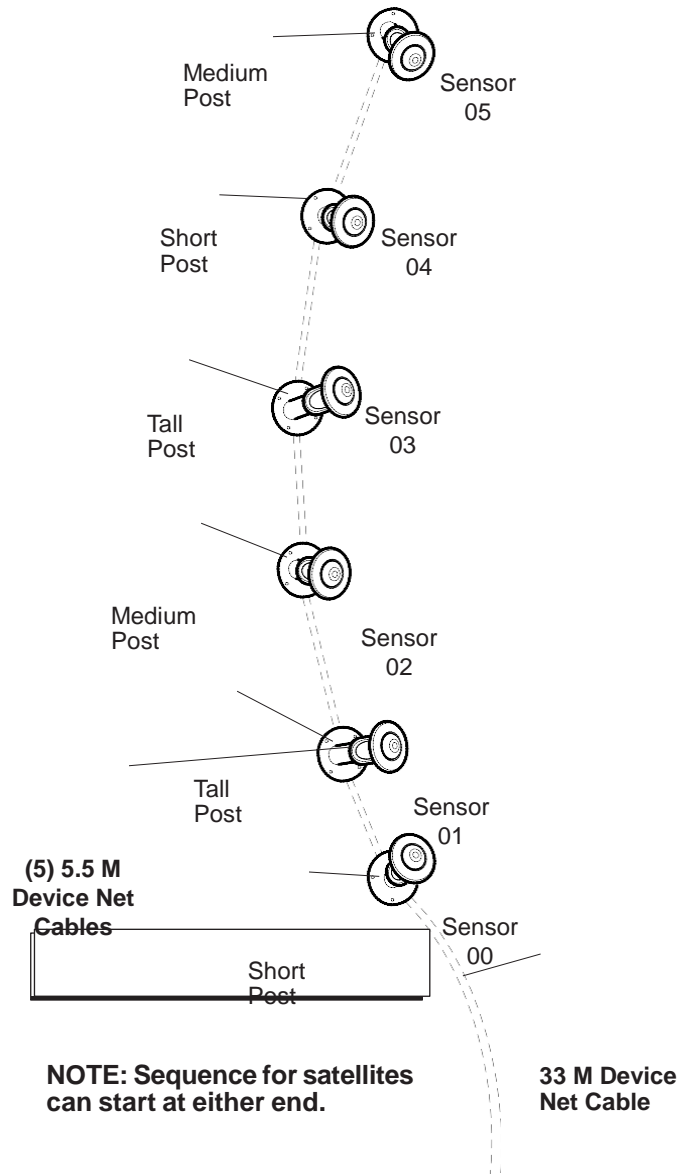
NOTE: Be sure to use properly
specified PVC dimensions called
out to allow adequate clearance
for cables.



PLAN VIEW



DETAIL SATELLITE SEQUENCE



DETAIL PULSE TEMPO SCHEMATIC

NOTE: Electrical box measures 16" (406 mm) wide x 20" (508 mm) high x 7" (179 mm) deep.



Coil Excess Cable Inside Electrical Box

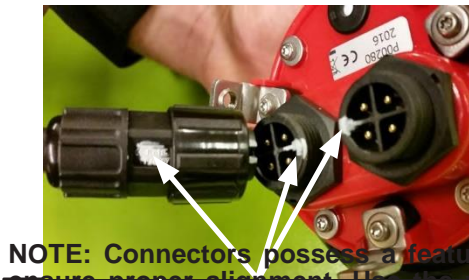
Electrical Box

Integrated Power Supply Unit (IPSU)

Installer Supplied Outlet

3 Ft. Power Cord

Surge Protector (Input Voltage Range 90-264 VAC)



NOTE: Connectors possess a feature to ensure proper alignment. Use the white alignment marks for proper orientation. Do not force connector in place. Improper orientation will result in system failure and may damage the electronic componentry.



NOTE: Make sure o-rings are seated properly in ends of cables before attaching to sensors. Make sure there is only one o-ring seated.

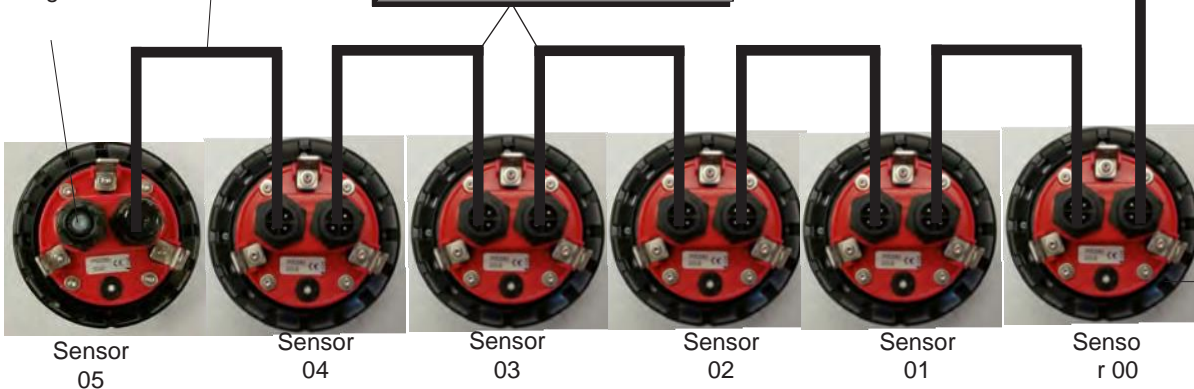
(5) 5.5 M

NOTE: Surge protector is not required if voltage is different than 120 volt AC.

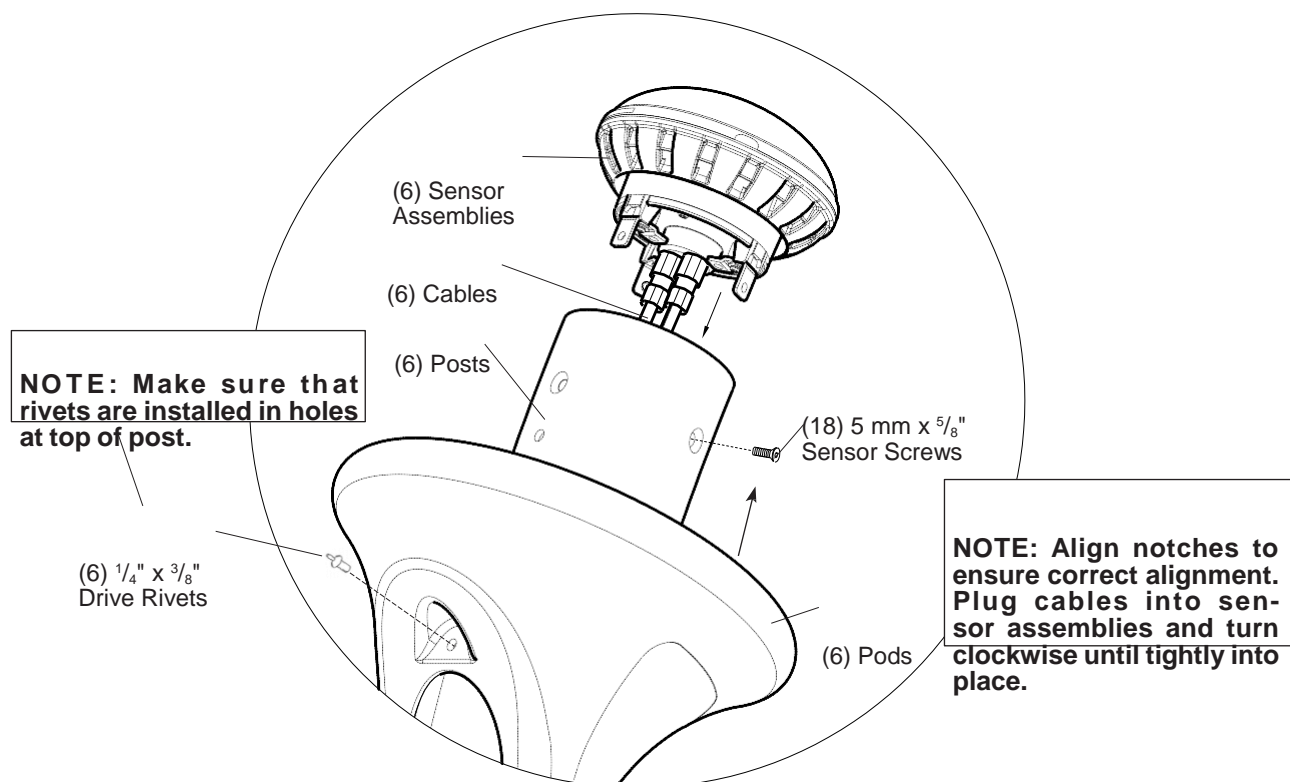
Termination Plug
Device Net Cables

NOTE: Cables can connect to either port.

33 M Device Net Cable



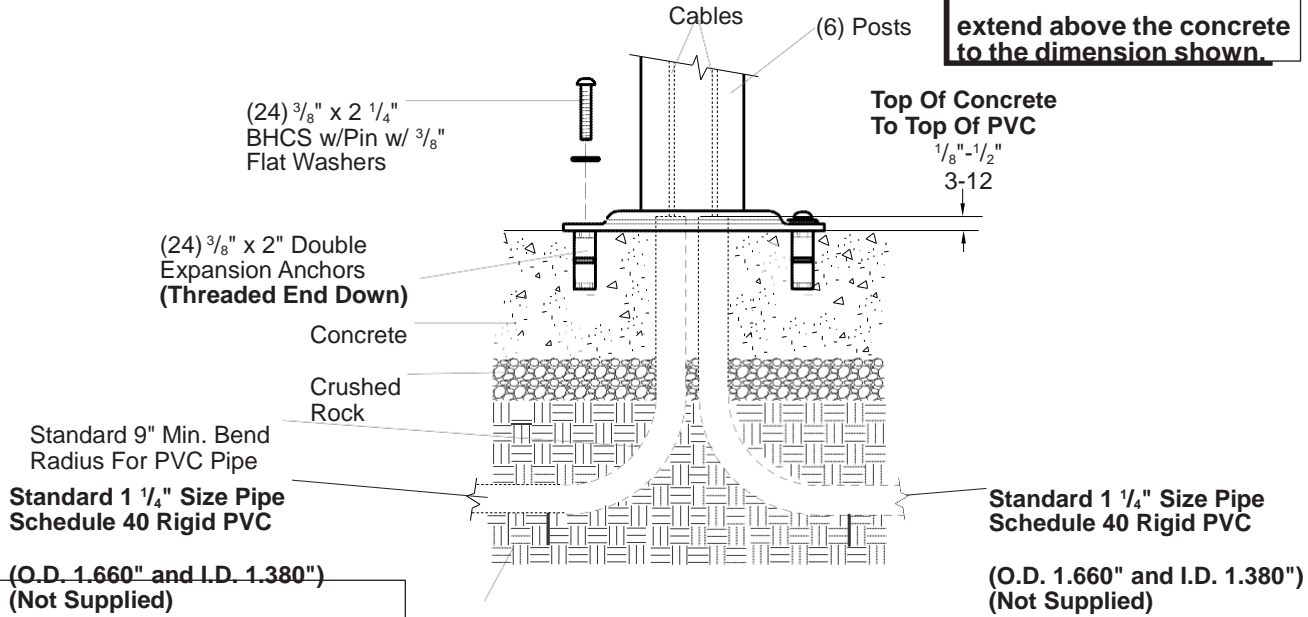
DETAIL POST ASSEMBLY





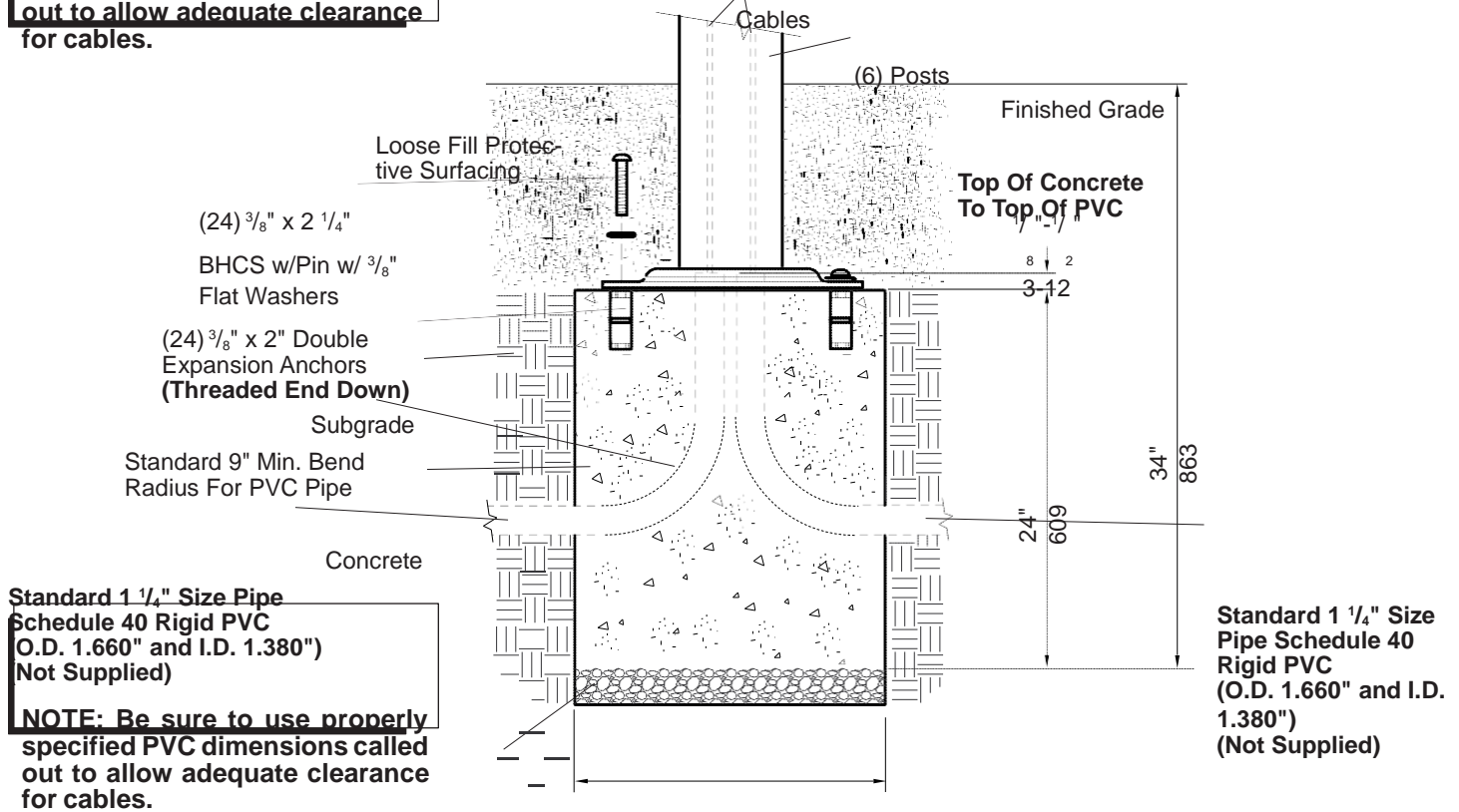
DETAIL SURFACE MOUNT

**NOTE: PVC conduit must
extend above the concrete
to the dimension shown.**



**NOTE: Be sure to use properly
specified PVC dimensions called
out to allow adequate clearance
for cables.**

DETAIL DIRECT BURY



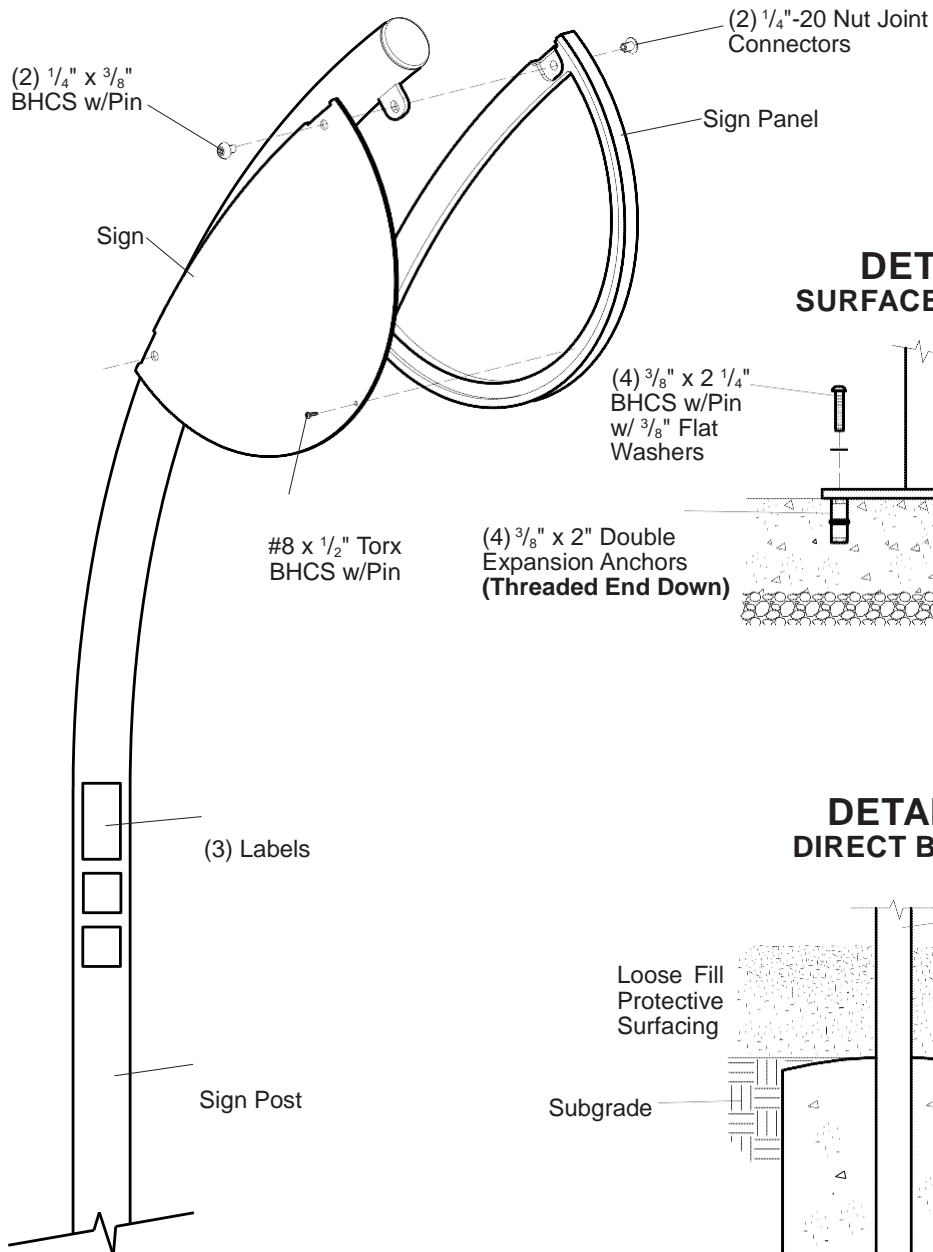
Sensory Play

186569 Pulse™ Tempo

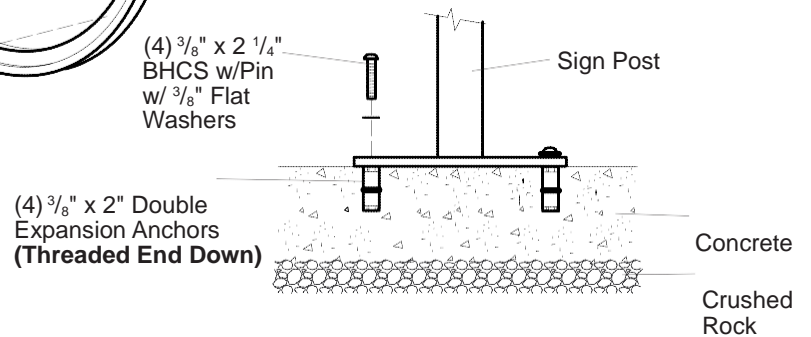
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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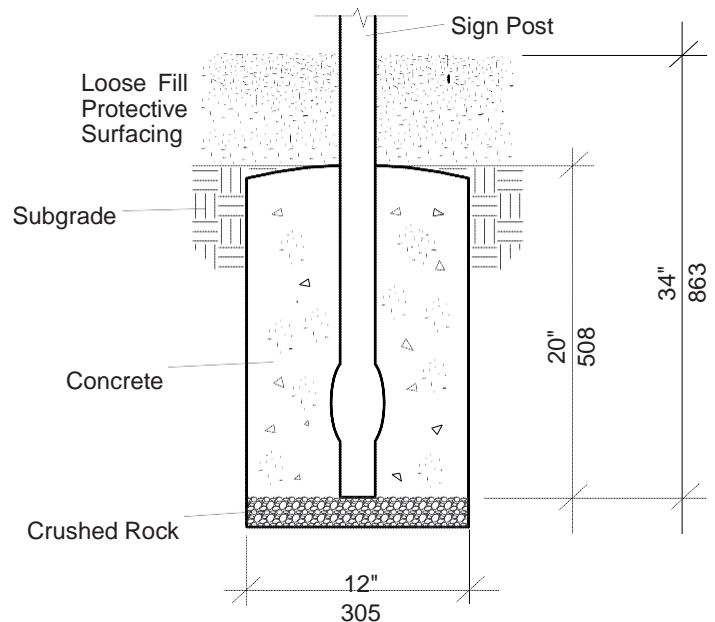
DETAIL SIGN ASSEMBLY



DETAIL SURFACE MOUNT



DETAIL DIRECT BURY



Parts List

| Part# | Description | Qty. |
|---------------|--|----------|
| 184837 | Primary Pulse Roto Pod | 6 |
| 186754 | Short Post, (SM), Specify Color..... | 2 |
| 185461 | Medium Post, (SM), Specify Color..... | 2 |
| 186755 | Tall Post, (SM), Specify Color | 2 |
| 188040 | Short Post, (DB), Specify Color..... | 2 |
| 188041 | Medium Post, (DB), Specify Color..... | 2 |
| 188042 | Tall Post, (DB), Specify Color | 2 |
| 220225 | Pulse Tempo Sign | 1 |
| 187998 | Pulse Sign Panel, Specify Color..... | 1 |
| 188145 | Pulse Sign Post, (SM), Specify Color | 1 |
| 188148 | Pulse Sign Post, (DB), Specify Color..... | 1 |
| 187999 | Tempo Electrical Box Assembly | 1 |
| 188001 | Pulse Elec. Back Panel | 1 |
| 201870 | Hoffman Type 4 Elec. Box | 1 |
| 188003 | Plastic Loop Clamp 7/16" | 1 |
| 188024 | 8-32 x 1/2" LG Screw PHMS, SST..... | 5 |
| 198794 | IPSU Tempo Program..... | 1 |
| 188251 | Power Supply Mount..... | 1 |
| 188872 | Single Outlet Surge Suppr. | 1 |
| 192926 | 3 Ft. AC Power Cord w/Right Angle..... | 1 |
| 200765 | 8/32" x 1/2" SHCS, SST..... | 2 |
| 205123 | 8-32 Hex Nylok Nut, SST | 2 |
| 187872 | Tempo Electrical Kit | 1 |
| 196126 | 33 Meter Device Net Cable | 1 |
| 196127 | 5.5 Meter Device Net Cable | 5 |
| 228193 | Tempo 5.0 Sensor 00 | 1 |
| 228194 | Tempo 5.0 Sensor 01 | 1 |
| 228195 | Tempo 5.0 Sensor 02 | 1 |
| 228196 | Tempo 5.0 Sensor 03 | 1 |
| 228197 | Tempo 5.0 Sensor 04 | 1 |
| 228198 | Tempo 5.0 Sensor 05 | 1 |
| 196131 | Termination Plug | 1 |
| 188098 | Satellite Screw, 5MM..... | 18 |
| 188141 | Pulse Tempo Hardware Package | 1 |
| 100611 | 1/4" x 3/8" Drive Rivet, AL/SST | 6 |
| 156846 | Play Safe Label, 2-12 Years..... | 1 |
| 182212 | Entanglement Warning Label | 1 |
| 182213 | Hot Surface Warning Label | 1 |
| 126301 | 1/4-20 Nut Joint Connector..... | 2 |
| 137277 | 1/4" x 3/8" BHCS w/Pin, SST | 2 |
| 168323 | #8 x 1/2" Torx BHCS, SST | 1 |
| 169413 | 1/4" 6-Lobe T-15 Bit | 1 |
| 188102 | T-25 Torx Bit | 1 |
| 188103 | 4-Hole (SM) Hardware Package | 7 |
| 100199 | 3/8" x 2 1/4" BHCS w/Pin, SST | 28 |
| 187933 | 3/8" x 2" Double Expansion Anchor..... | 28 |
| 100362 | 3/8" Flat Washer, SST | 28 |

DB=Direct Bury

SM=Surface Mount

Specifications

Post: Weldment comprised of 3 1/2" (88,9 mm) O.D. steel tubing and 1/4" (6,35 mm) HRPO steel sheet. Finish: Proshield®, color specified

Electronics: Power supply: 90-264 VAC input with 24VDC output encased in a type 12 (NEMA 4) enclosure. Wires carry low voltage and data to shock resistant polycarbonate sensors.

Sign Post: Weldment comprised of 2.375" (60,33 mm) O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) wall galvanized steel tubing, 11 GA. (.120") (3,05 mm) HRPO steel sheet and 2 1/4" (57,15 mm) O.D. steel post cap. Finish: Proshield®, color specified

Sign Panel: Permalene®, color specified

Sign: 3/16" (4,75 mm) Thick aluminum. Finish: Powdercoat. Image is transferred into the powdercoat by the process of infusion.

Pod: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications)

Installation Time: 18 man hours

Concrete: (DB) Approx. 22.54 cu. ft.

Recommended

Area: 7' 10" (2,39 m) x 23' 10" (7,26 m)

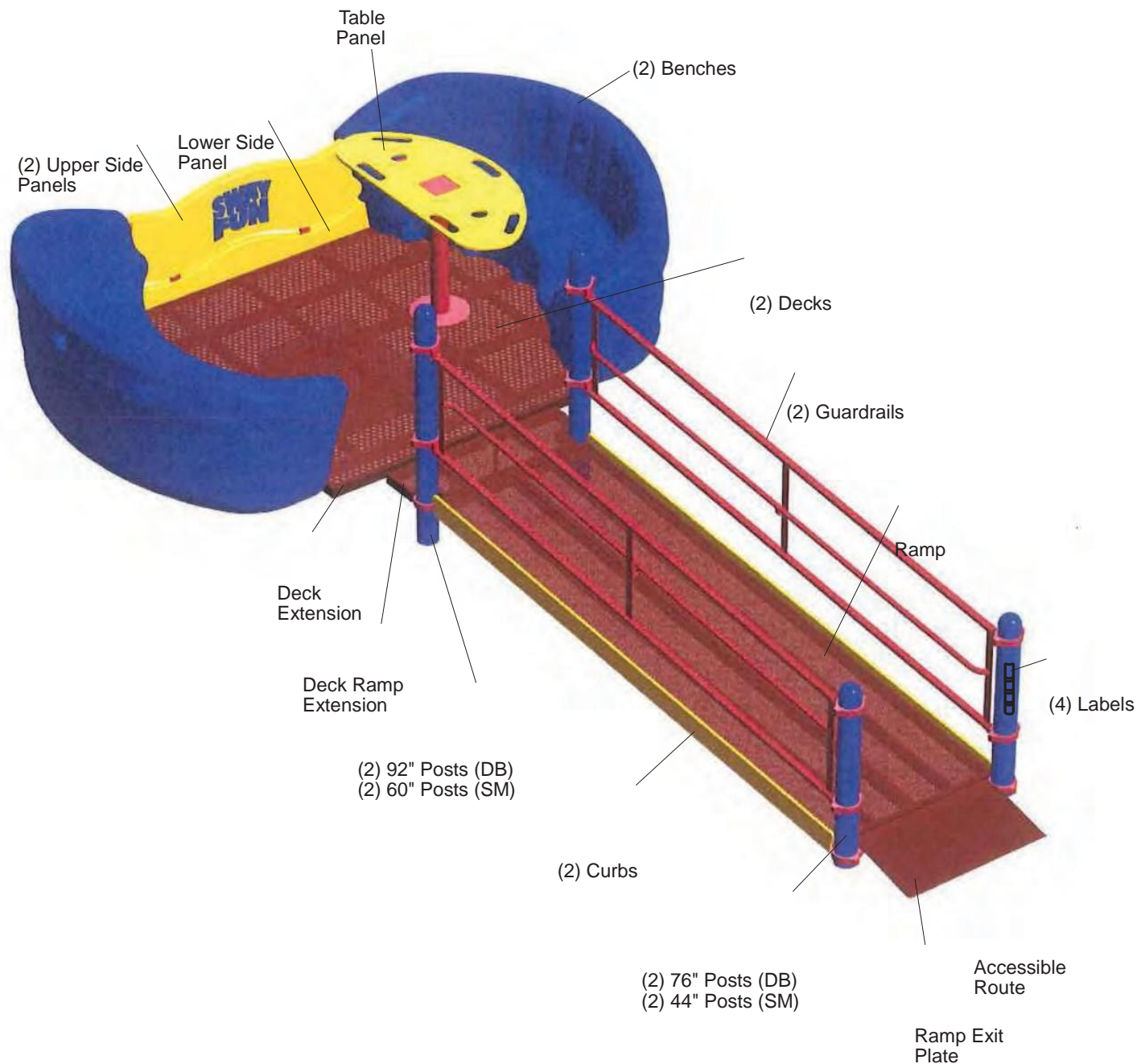
Weight: (DB) 263 lbs.
(SM) 231 lbs.

Installation Instructions

- 1) Refer to the Site Plan for post locations.
- 2) **(Direct Bury)** Dig holes for Pulse tempo posts and sign post. Refer to Direct Bury Details.
- 3) Dig trenches for PVC from power source to posts, as shown. Trenches should be deep enough, so when PVC is placed in the trenches, the PVC will be fully covered with subgrade. Refer to Surface Mount and Direct Bury Details.
- 4) Lay PVC in trenches, as shown. Cut PVC to proper length. **NOTE:** *PVC needs to extend 1 to 3 inches above concrete, as shown. Refer to Surface Mount and Direct Bury Details.*
- 5) Backfill trenches to top of subgrade.
- 6) Attach sign and sign panel to sign post using $\frac{1}{4}$ " x $\frac{3}{8}$ " BHCS w/pin and $\frac{1}{4}$ "-20 nut joint connectors. Fasten sign to sign panel using #8 x $\frac{1}{2}$ " Torx BHCS w/pin. Refer to the Sign Assembly Detail.
- 7) **(Direct Bury)** Place sign in footing hole. With sign plumb and turned in proper position, pour concrete footing. Pour concrete in holes for Pulse tempo posts. Refer to Direct Bury Details. **NOTE:** *Make sure top of concrete for Pulse tempo posts is level. Allow concrete to cure a minimum of 72 hours.*
- 8) **(Surface Mount)** Pour concrete slab. Refer to Surface Mount Details. **NOTE:** *Make sure top of concrete is level. Allow concrete to cure a minimum of 72 hours.*
- 9) Place Pulse tempo posts over PVC.
- 10) **(Post Anchoring Instructions)** With posts turned in proper position, use a center punch to mark expansion anchor locations.

Move posts aside and drill $\frac{3}{4}$ " x 2 $\frac{1}{4}$ " deep holes into concrete, using a hammer drill and $\frac{3}{4}$ " masonry bit. **NOTE:** *Drill holes perpendicular to the work surface. To assure full holding power, do not ream holes or allow the drill to wobble. Verify hole depth after drilling. Clean holes using compressed air.*

Tap double expansion anchors (**with threaded end down**) into drilled holes. Reposition posts. Fasten posts to expansion anchors, using $\frac{3}{8}$ " x 2 $\frac{1}{4}$ " BHCS w/pin and $\frac{3}{8}$ " flat washers.
- 11) Place pods onto posts.
- 12) **(Instructions For Pulling Cables)** Use a fish tape (not supplied) and tie wraps (not supplied) to pull cables through PVC and posts. Feed the fish tape through the PVC. Use a tie wrap to connect cable to fish tape. Pull the fish tape through the PVC and posts
- 13) Align notches to ensure correct alignment. Plug cables into sensor assemblies and turn clockwise until tightly into place. Refer to the Pulse Tempo Schematic and Post Assembly Details.
- 14) When cables have been plugged into all sensor assemblies, attach sensor assemblies to posts using 5 mm x $\frac{5}{8}$ " sensor screws. Refer to the Post Assembly Detail.
- 15) Align notches to ensure correct alignment. Plug device net cable into power source and turn clockwise until tightly into place.
- 16) Line up holes in pods with holes in posts. Insert $\frac{1}{4}$ " x $\frac{3}{8}$ " drive rivets and hammer rivet pins in until flush with head. Refer to the Post Assembly Detail.
- 17) Apply Play Safe and warning labels to sign post, as shown.
- 18) **(Direct Bury)** Install loose fil .
- 19) Volume adjustment for Pulse (volume from LSI is set to 100%).
 - a) Turn off the system.
 - b) Turn on the system.
 - c) Wait until the system has started the game.
 - d) Touch and hold sensor 00 - not later than 30 seconds after the game has started. Please ignore the fact that the game continues during phase 4 (this resets the volume at about 25%).
 - e) Sensor 00 will gradually turn red and when full it will respond "set volume" - release hand from sensor 00 (approx. 5 seconds before it will respond).
 - f) Touch sensor 00 for volume adjustment.
 - g) For each touch on sensor 00 a sound will be played and volume level will be indicated on the sensor.
 - h) When the preferred volume has been reached sensor 00 must be touched for storage or wait 5 seconds.
 - i) Volume has been adjusted.



177140 Sway Fun[®], 12" High w/Ramp, Guardrails & Curbs

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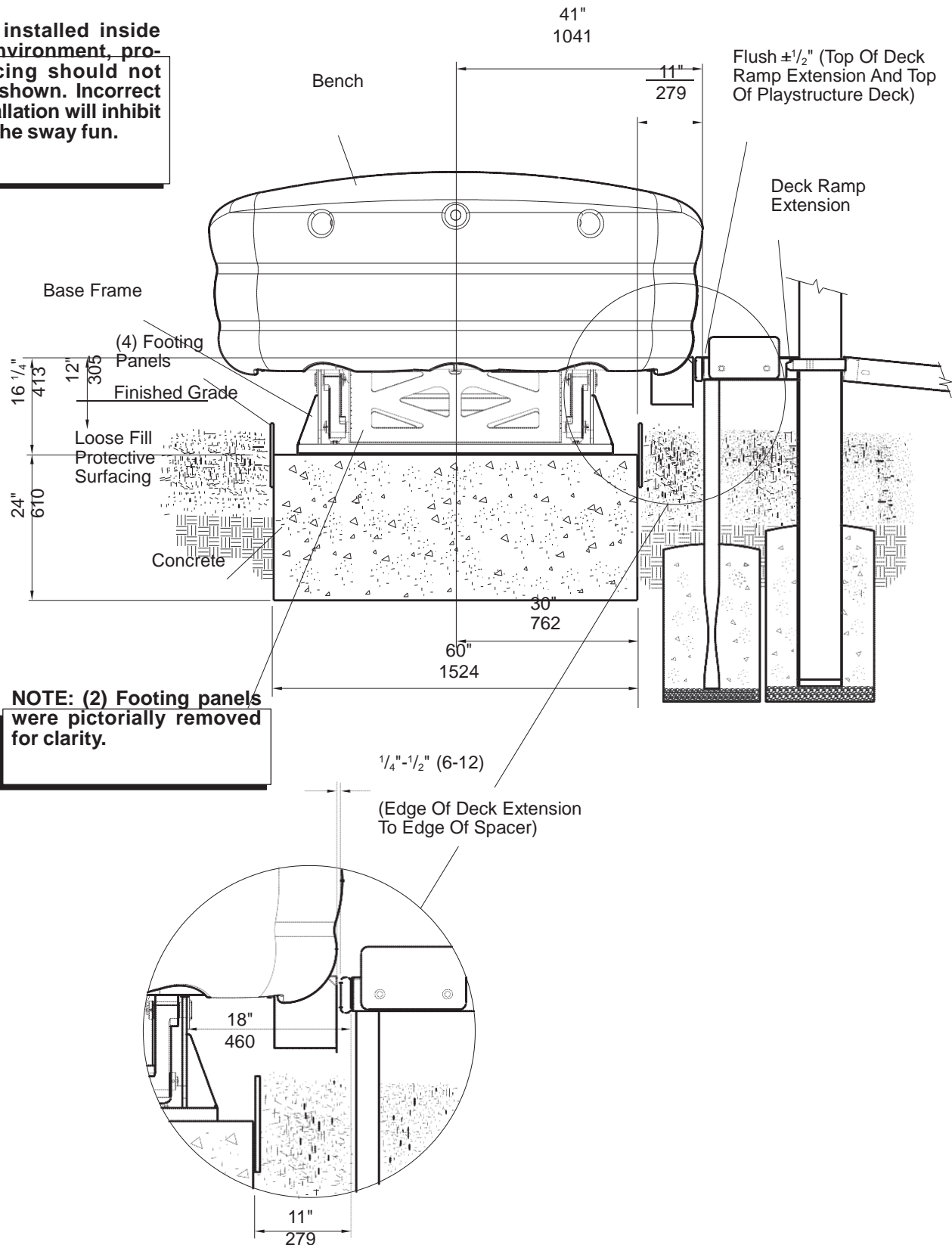
Sheet 1 of 11

Document #26389500



24' 9"
7,54 m

NOTE: When installed inside playground environment, protective surfacing should not exceed height shown. Incorrect surfacing installation will inhibit the motion of the sway fun.



SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

169678b0

(8) $\frac{3}{8}$ " x 1 $\frac{3}{8}$ "
BHCS w/Pin
w/ $\frac{3}{8}$ " SAE

**DETAIL
BUMPER ATTACHMENT**

Flat Washers

**DETAIL
ARM ASSEMBLY TO BASE FRAME**

**NOTE: Insert $\frac{1}{4}$ " x 2"
spring pins $\frac{1}{16}$ " beyond
first wall of collar.**

(8)
Collars

**NOTE: Position Arm
Assembly with letter
"A" up as shown.**

(4) Bumpers

(32) Thrust
Bearings

(8) Nylok Hex
Nuts w/ $\frac{3}{8}$ " SAE
Flat Washers

**DETAIL
BASE FRAME**

Base Frame

(8) Axles

(16) $\frac{3}{8}$ " x 1 $\frac{1}{4}$ "
BHCS w/Pin Limited
Thread Bolts w/ $\frac{3}{8}$ "
SAE Flat Washers
& $\frac{3}{8}$ " Standard Hex
Nuts w/ $\frac{3}{8}$ " SAE Flat
Washers

**DETAIL
ASSEMBLED FRAME**

Base Frame

**NOTE: Attach axle
with groove pin hole
horizontal, as shown.**

**DETAIL
ARM ASSEMBLY TO
DECK MOUNT FRAME**

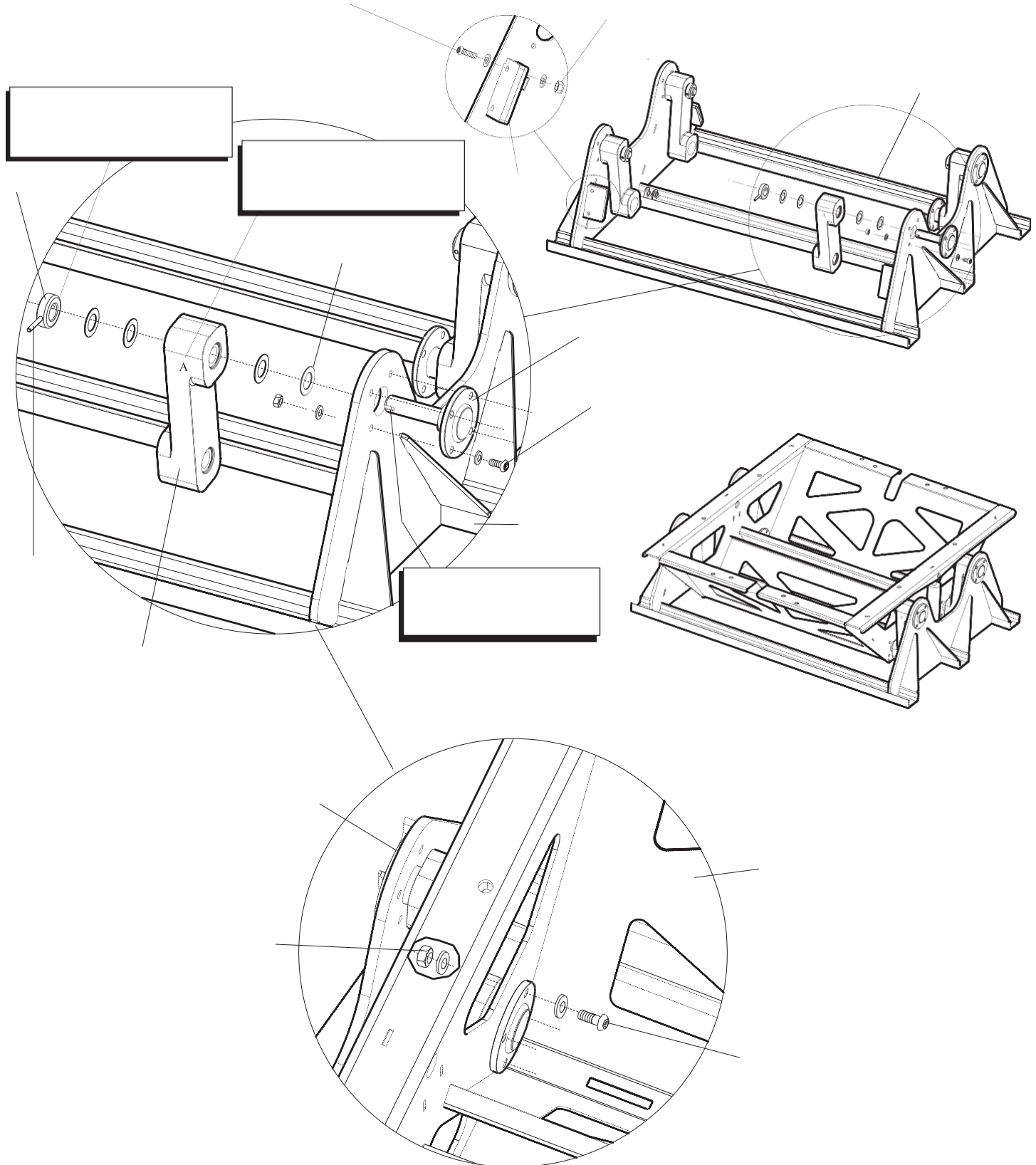
(4) Arm
Assemblies

Base Frame

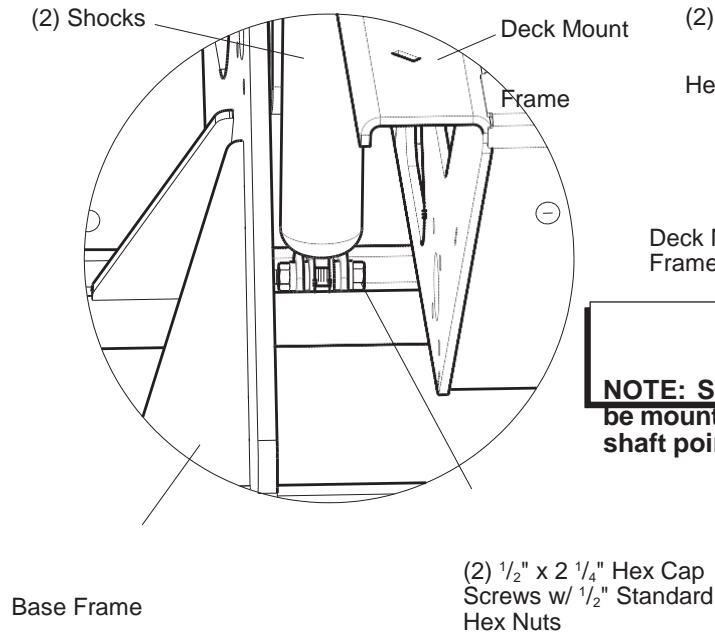
Deck Mount
Frame

(16) $\frac{3}{8}$ " Standard
Hex Nuts
w/ $\frac{3}{8}$ " SAE Flat
Washers

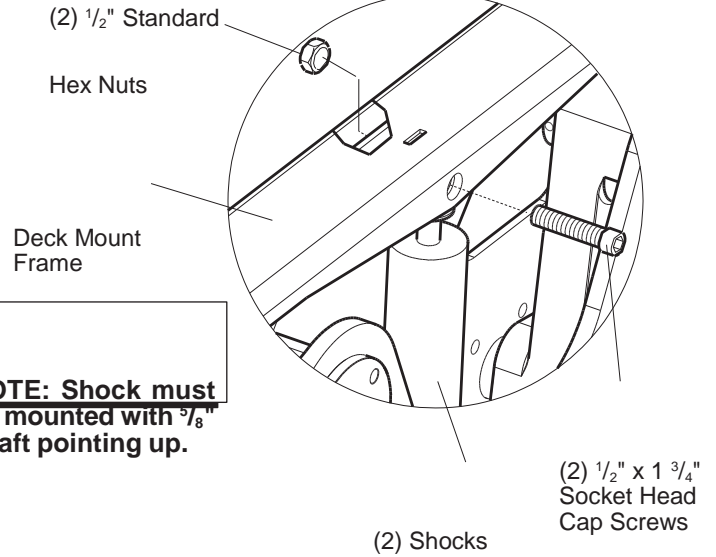
(16) $\frac{3}{8}$ " x 1 $\frac{1}{8}$ "
BHCS w/Pin
w/ $\frac{3}{8}$ " SAE Flat
Washers



**DETAIL
SHOCK TO FRAME ATTACHMENT
(BOTTOM)**

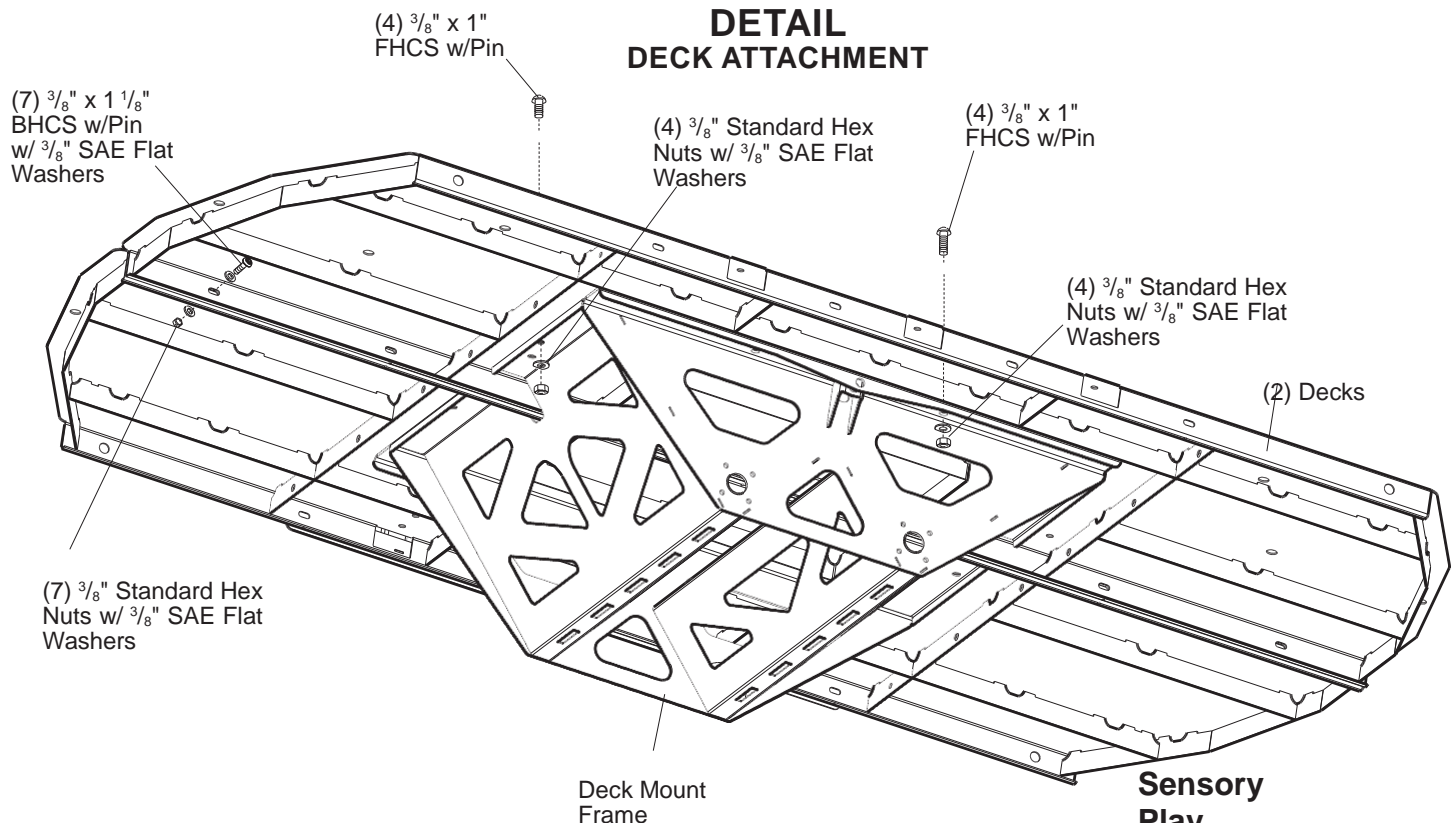


**DETAIL
SHOCK TO FRAME ATTACHMENT
(TOP)**



NOTE: Shock must be mounted with 5/8" shaft pointing up.

**DETAIL
DECK ATTACHMENT**



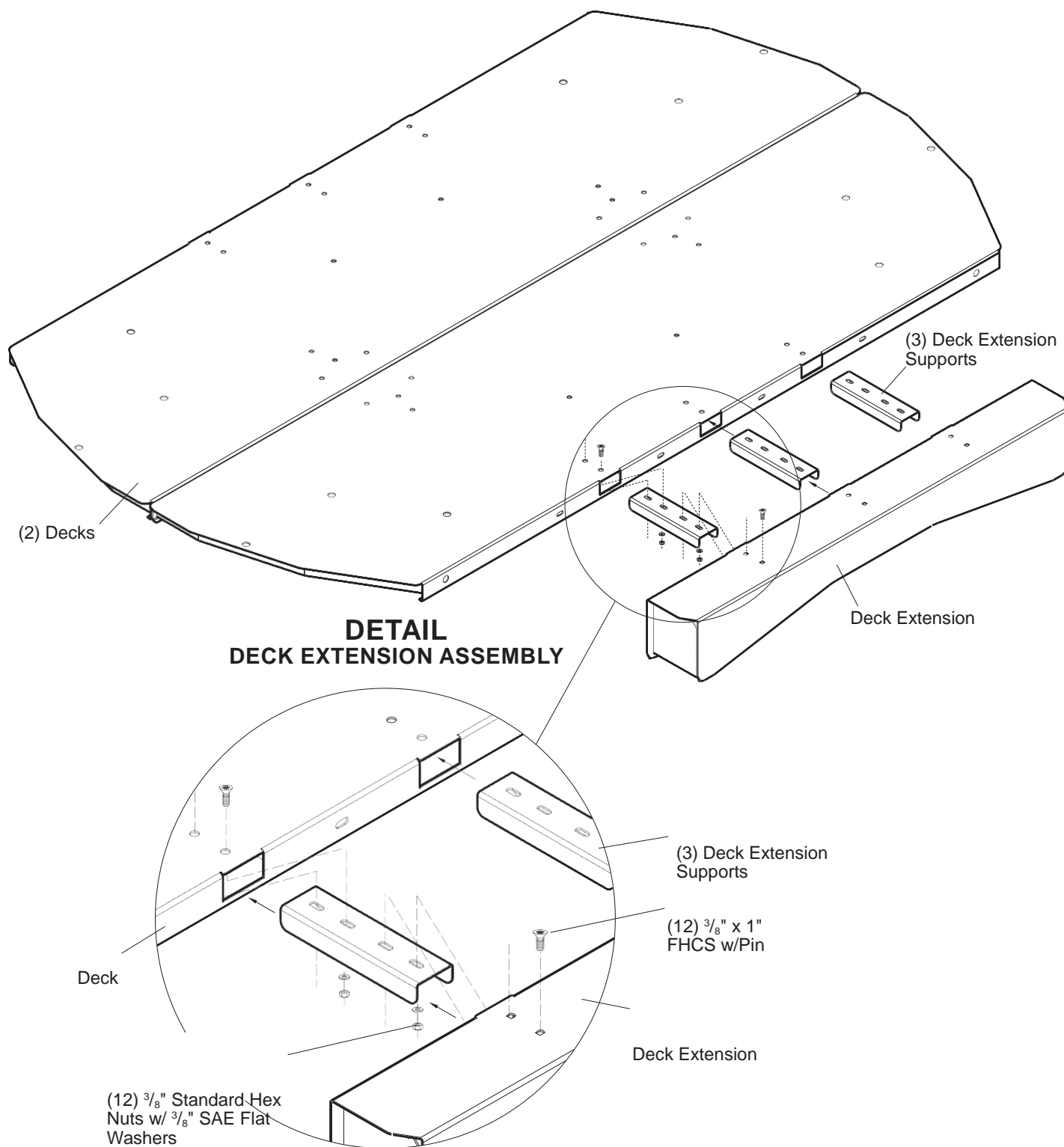
Assembly

**NOTE: Shown without
Base Frame for clarity.**

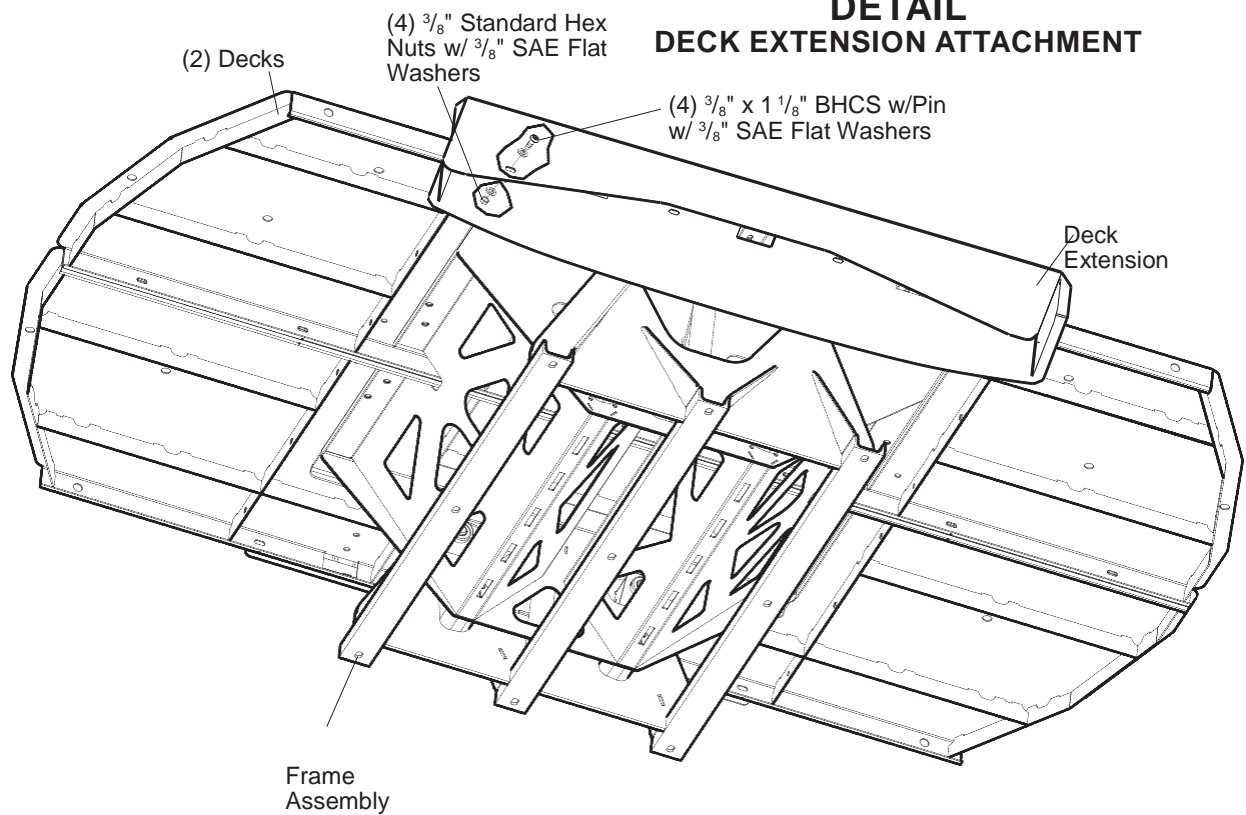
Sheet 3 of 11

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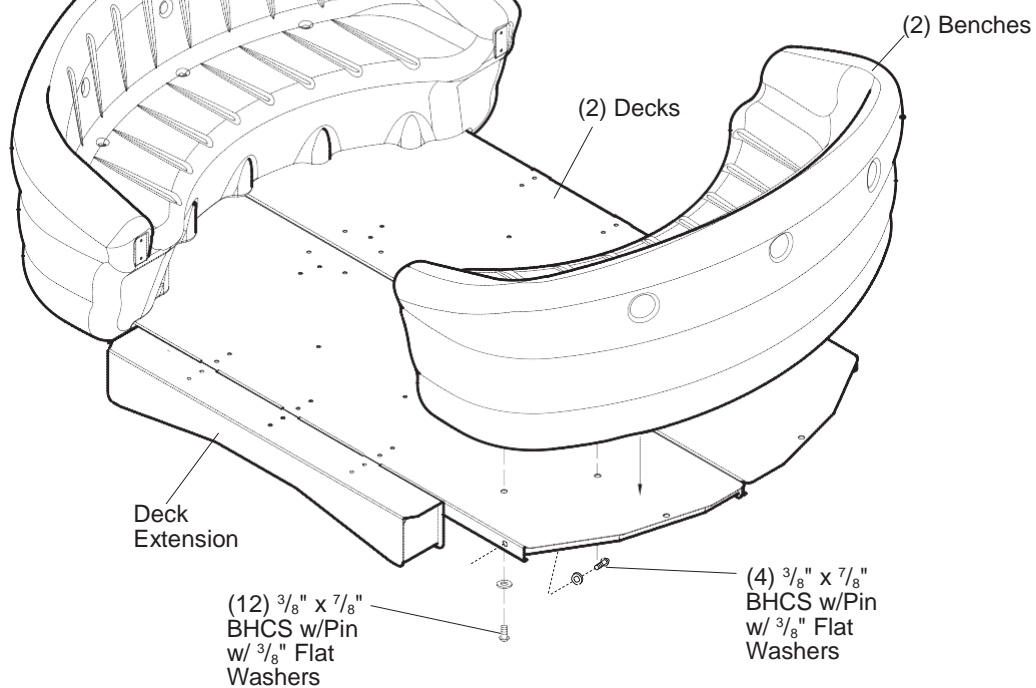
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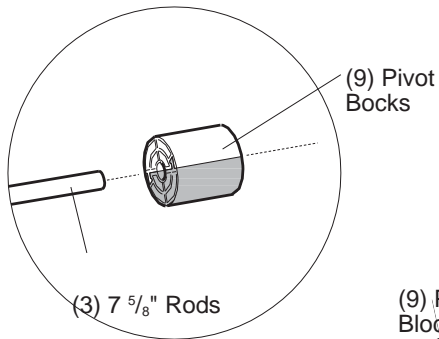
DETAIL DECK EXTENSION ATTACHMENT



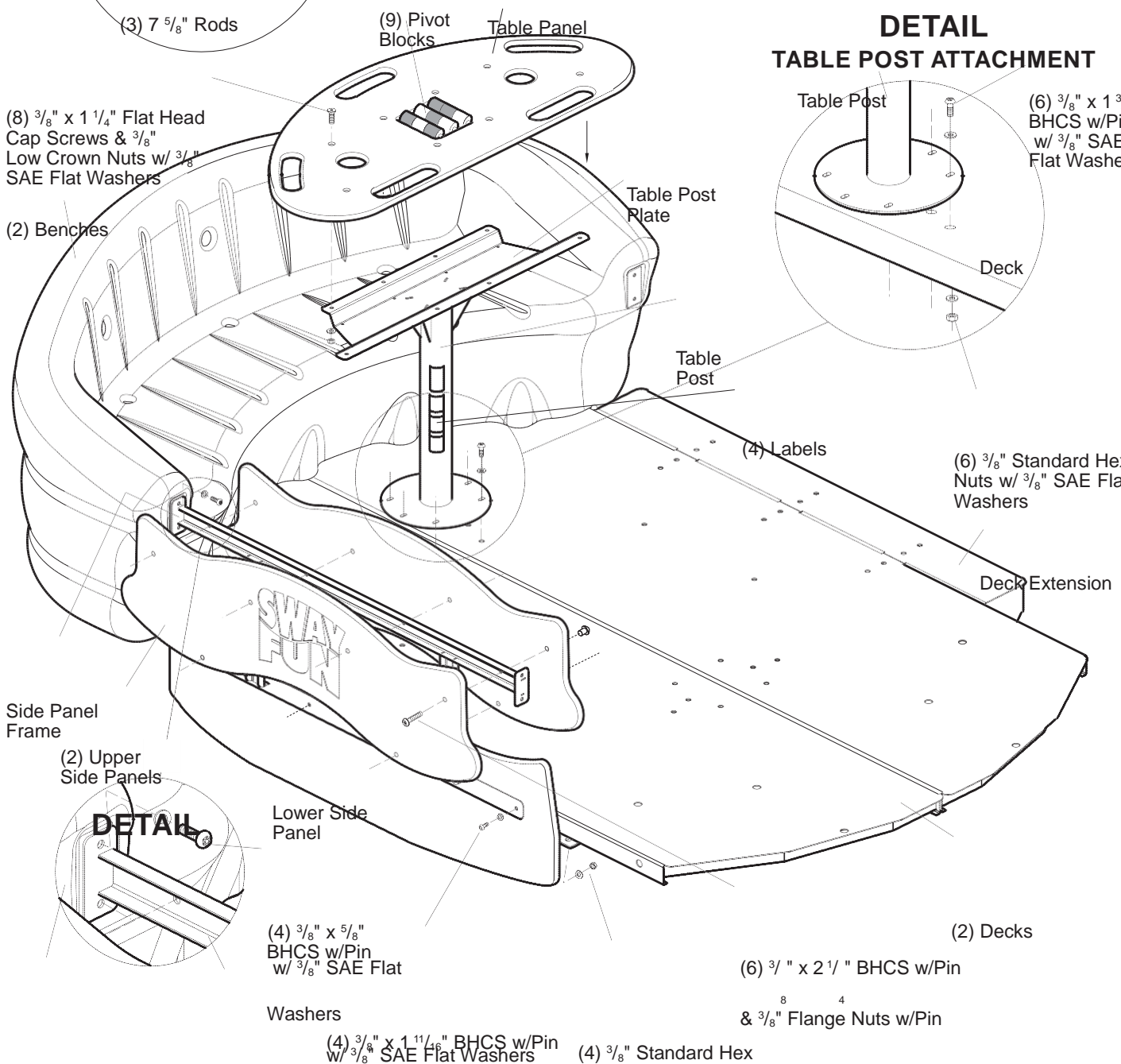
DETAIL BENCH ATTACHMENT



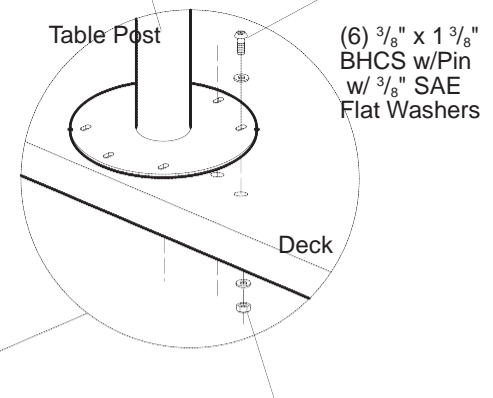
**DETAIL
PIVOT BLOCK ASSEMBLY**



**DETAIL
TABLE /SIDE PANELS**



**DETAIL
TABLE POST ATTACHMENT**

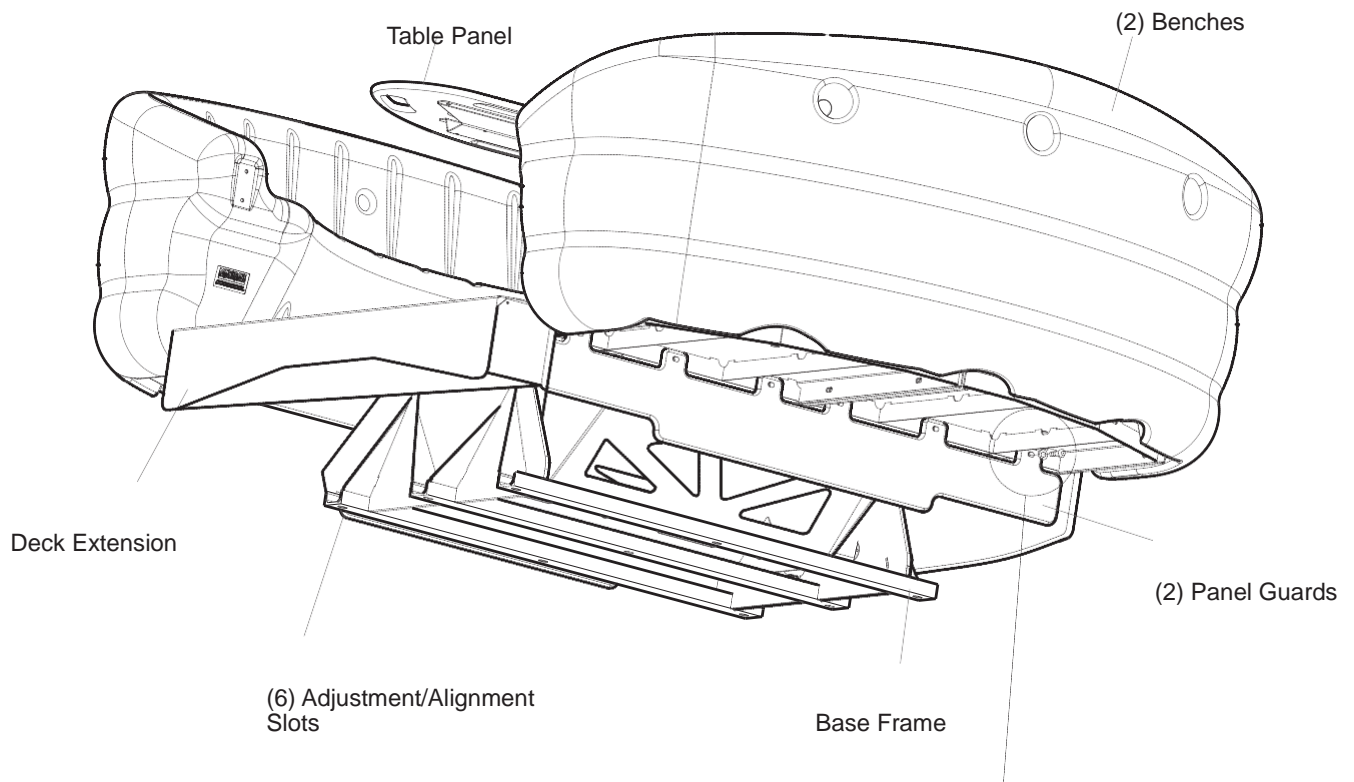


Side Panel
Frame

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Sensory Play

Sway Fun® Assembly

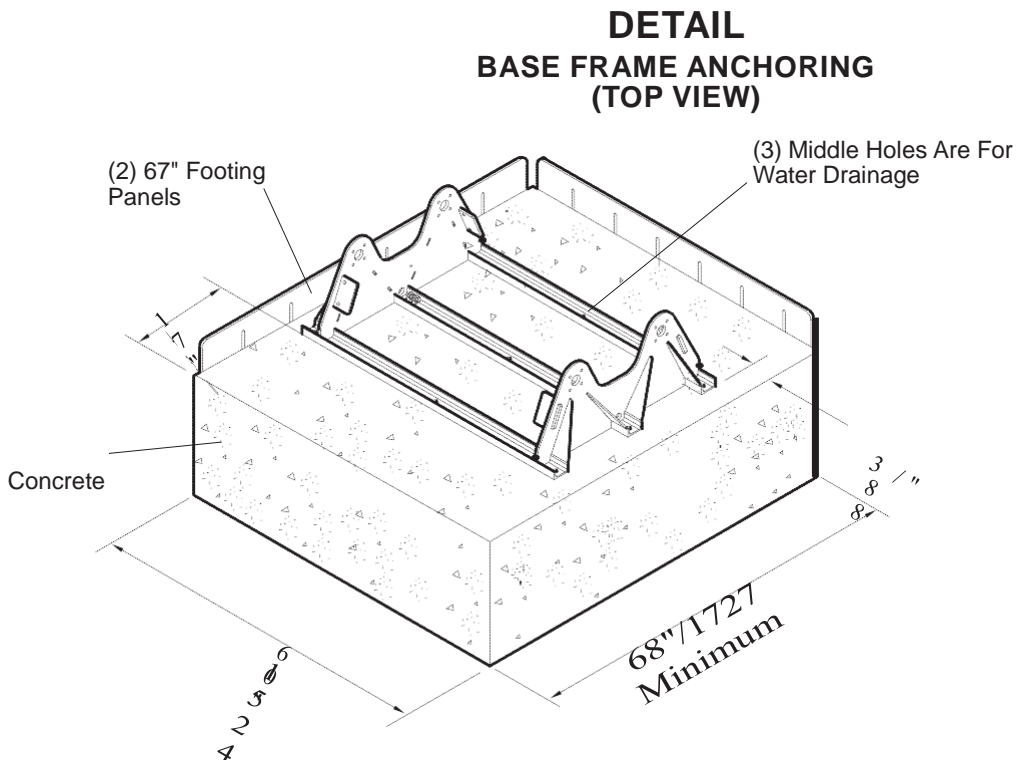
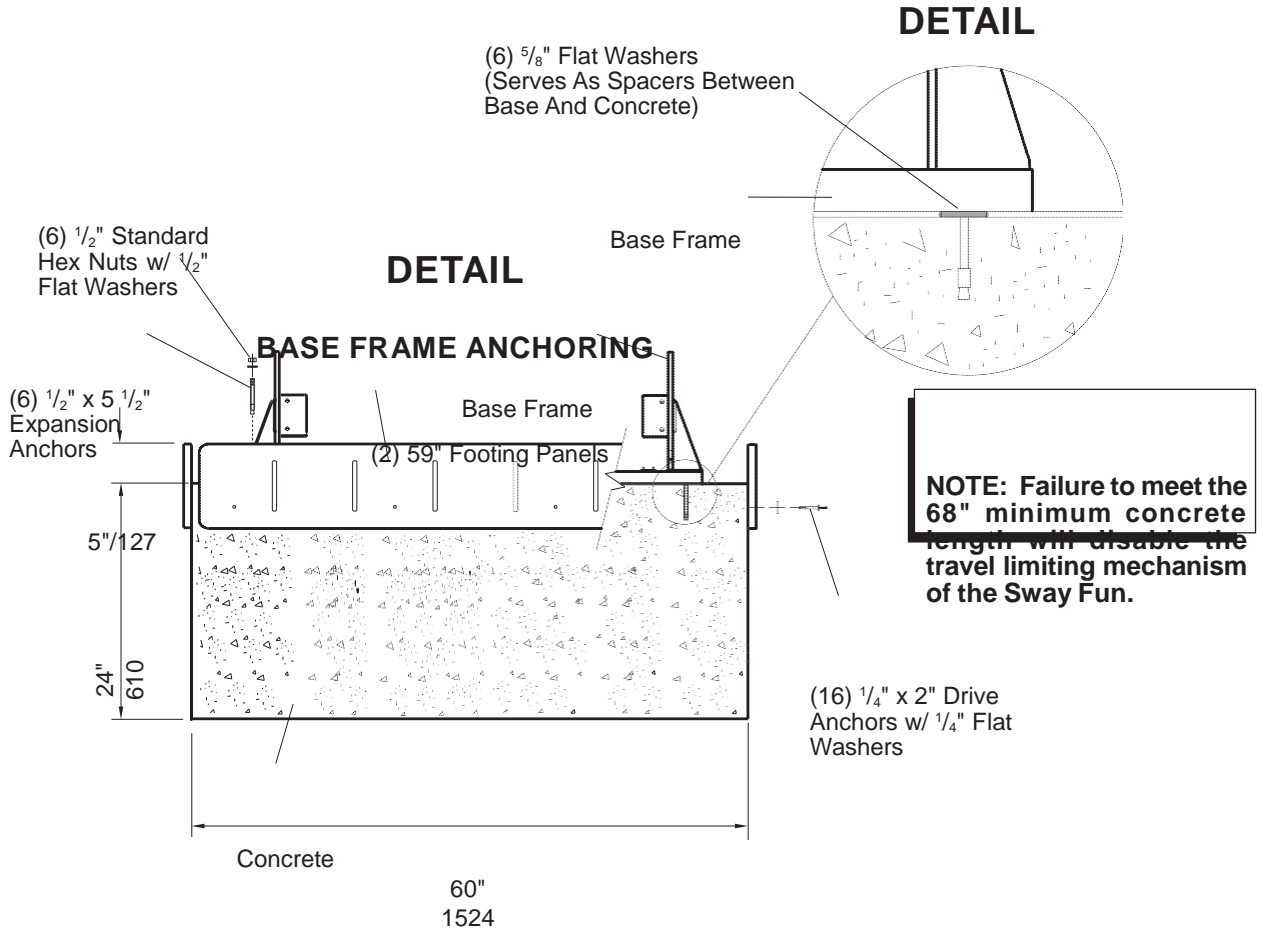


**DETAIL
PANEL GUARD ATTACHMENT**

(2) Decks

(12) $\frac{3}{8}$ " x $1\frac{3}{8}$ "
BHCS w/Pin
w/ $\frac{3}{8}$ " Flat
Washers

(2) Panel Guards



Sway

Fun[®] Base Frame

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Sensory Play 177140 Sway Fun®, 12" High w/Ramp, Guardrails & Curbs

(1279,52 mm) wide x 22 ¹⁵/₁₆" (582,60 mm) deep, color specified

Table Post: Weldment comprised of 3.500" (88,9 mm)

| Part# | Description | Qty. |
|---------------|--|----------|
| 134775 | Bench, Specify Color | 2 |
| 136761 | Table Panel, Specify Color | 1 |
| 136817 | Table Post, Specify Color | 1 |
| 136857 | Upper Side Panel, Specify Color | 2 |
| 170170 | Lower Side Panel, Specify Color | 1 |
| 136833 | Side Panel Frame, Specify Color | 1 |
| 137932 | Deck, Specify Color | 2 |
| 170171 | Deck Extension, Specify Color | 1 |
| 137930 | Deck Extension Support, Specify Color | 3 |
| 170172 | Panel Guard, Specify Color | 2 |
| 138409 | Arm Assembly | 4 |
| 143076 | Axle | 8 |
| 169461 | Base Frame | 1 |
| 144448 | Deck Mount Frame | 1 |
| 261089 | Shock | 2 |
| 189077 | Spacer, Deck Mount, Black | 1 |
| 170407 | 59" Footing Panel, Gray | 2 |
| 170408 | 67" Footing Panel, Gray | 2 |
| 237020 | Sway Fun Hardware Package #1 | 1 |
| 100195 | ³ / ₈ " x ⁵ / ₈ " BHCS w/Pin, SST | 4 |
| 100196 | ³ / ₈ " x ⁷ / ₈ " BHCS w/Pin, SST | 16 |
| 100198 | ³ / ₈ " x 1 ¹ / ₈ " BHCS w/Pin, SST | 31 |
| 100199 | ³ / ₈ " x 2 ¹ / ₄ " BHCS w/Pin, SST | 6 |
| 100252 | ³ / ₈ " x 1 ¹ / ₄ " Flat Head Cap Screw, SST | 8 |
| 100271 | ¹ / ₂ " x 5 ¹ / ₂ " Exp. Anchor(w/Nut & Washer),SST | 6 |
| 100292 | ³ / ₈ " x 1 ¹ / ₄ " BHCS w/Pin Ltd. Thread Bolt, SST | 16 |
| 100327 | ³ / ₈ " Standard Hex Nut, SST | 79 |
| 100353 | ³ / ₈ " Flange Nut w/Pin, SST | 6 |
| 100362 | ³ / ₈ " Flat Washer, SST | 28 |
| 100365 | ³ / ₈ " SAE Flat Washer, SST | 166 |
| 100366 | ⁵ / ₈ " Flat Washer, SST | 6 |
| 113027 | ³ / ₈ " x 1 ³ / ₈ " BHCS w/Pin, SST | 26 |
| 100261 | ¹ / ₄ " x 2" Drive Anchor | 16 |
| 100349 | ³ / ₈ " x 16" L/C Nut Cap, SST | 8 |
| 237021 | Sway Fun Hardware Package #2 | 1 |
| 121135 | ¹ / ₄ " x 2" Spring Pin, SST | 8 |
| 123224 | ³ / ₈ " x 1 ¹¹ / ₁₆ " BHCS w/Pin, SST | 4 |
| 128391 | Pivot Block, Tan/Brown | 9 |
| 129692 | ¹ / ₂ " Standard Hex Nut, SST | 4 |
| 131862 | ¹ / ₂ " x 2 ¹ / ₄ " Hex Cap Screw, SST | 2 |
| 137777 | Thrust Bearings | 32 |
| 137779 | Collar, SST | 8 |
| 171013 | 7 ⁵ / ₈ " Rod, AL | 3 |
| 122039 | ¹ / ₄ " Flat Washer, SST | 16 |
| 156846 | Play Safe Label, 2-12 Yrs. | 1 |
| 136931 | ³ / ₈ " Nylok Hex Nuts, SST | 8 |
| 167612 | Rubber Bumper | 4 |
| 137091 | ³ / ₈ " x 1" FHCS w/Pin, SST | 22 |
| 156847 | Play Safe Label, 5-12 Yrs. | 1 |
| 182213 | Hot Surface Warning Label | 1 |
| 182212 | Entanglement Warning Label | 1 |
| 115176 | Hard Surface Warning Label | 1 |
| 145157 | ¹ / ₂ " x 1 ³ / ₄ " Socket Head Cap Screw, SST | 2 |

Specifications

Bench: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified

Table Panel: Solid color Permalene® table measures 50 ³/₈"

O.D. RS-20 (.125") (3,18 mm) galvanized steel tubing, 11 GA. (.120") (3,05 mm) HRPO ASTM A1011 sheet steel and ¹/₄" (6,35 mm) HRS flat steel. Finish: ProShield, color specified

Side Panels: Permalene, color specified

Spacer: Permalene, black in color.

Side Panel Frame: Weldment comprised of 11 GA (.120") (3,05 mm) sheet steel conforming to ASTM A1011. Finish: ProShield, color specified

Deck: Flange formed from 11 GA (.120") (3,05 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with ⁵/₁₆" (7,93 mm) diameter holes. Finish: TenderTuff, color specified

Deck Extension: Flange formed from 11 GA (.120") (3,05 mm) sheet steel conforming to ASTM A1011. Finish: TenderTuff, color specified

Deck Extension Support: Formed from 11 GA(.120") (3,05 mm) sheet steel conforming to ASTM A1011. Finish: ProShield, color specified

Panel Guard: Permalene, color specified

Footing Panels: Solid color Permalene, gray in color.

Arm Assembly: Machined from 6061-T6 aluminum.

Axle: Weldment comprised of 304 stainless steel.

Base Frame: Weldment comprised of 3" x 5" (76 mm x 127 mm) structural steel C channel, ¹/₄" (6,35 mm) HRS flat steel, ¹/₂" (12,7 mm) HRS flat steel and ¹/₂" (12,7 mm) HRPO flat steel. Finish: Hot dip galvanized per ASTM A123 .

Upper Shock Mount Bracket: Weldment comprised of 7 Ga. (.180") (4,57 mm) sheet steel conforming to ASTM A1011. Finish: Hot dip galvanized per ASTM A123 .

Deck Mount Frame: Weldment comprised of 11 GA(.120") (3,05 mm) sheet steel, 7 Ga. (.180") (4,57 mm) HRPO flat steel and ¹/₄" (.250") (6,35 mm) HRPO flat steel. Finish: Hot dip galvanized per ASTM A123 .

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications

Installation Time: Approx. 22 ¹/₄ man hours (DB)
Approx. 20 man hours (SM)

Concrete Req.: Approx. 66 cu. ft. (DB)

Area Req.: 24' 9" x 26' 4 ¹/₄" (7,54 m x 8,03 m)

Weight: 2071 lbs. Aluminum (DB)
2193 lbs. Steel (DB)
2041 lbs. Aluminum (2" SM)
2127 lbs. Steel (2" SM)

Fall Height: 12" (305 mm) Deck Height

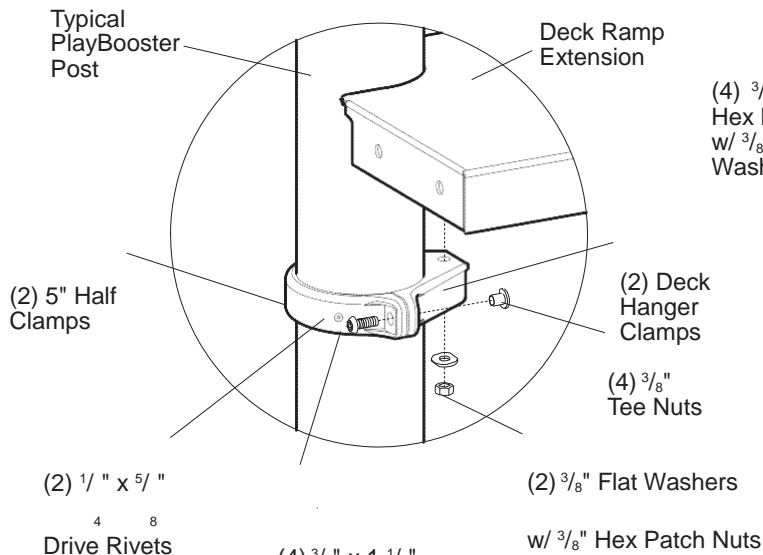
Installation Instructions

- 1) Build and pour concrete footing. Refer to Base Frame Anchoring Details. Allow concrete footing to cure for a minimum of 72 hours before continuing. **NOTE:** *Failure to meet the 68" minimum concrete length will disable the travel limiting mechanism of the Sway Fun.*
- 2) With base frame in position, drill through 6 outside holes in base frame 5" deep into concrete slab using 1/2" masonry bit and hammer drill.

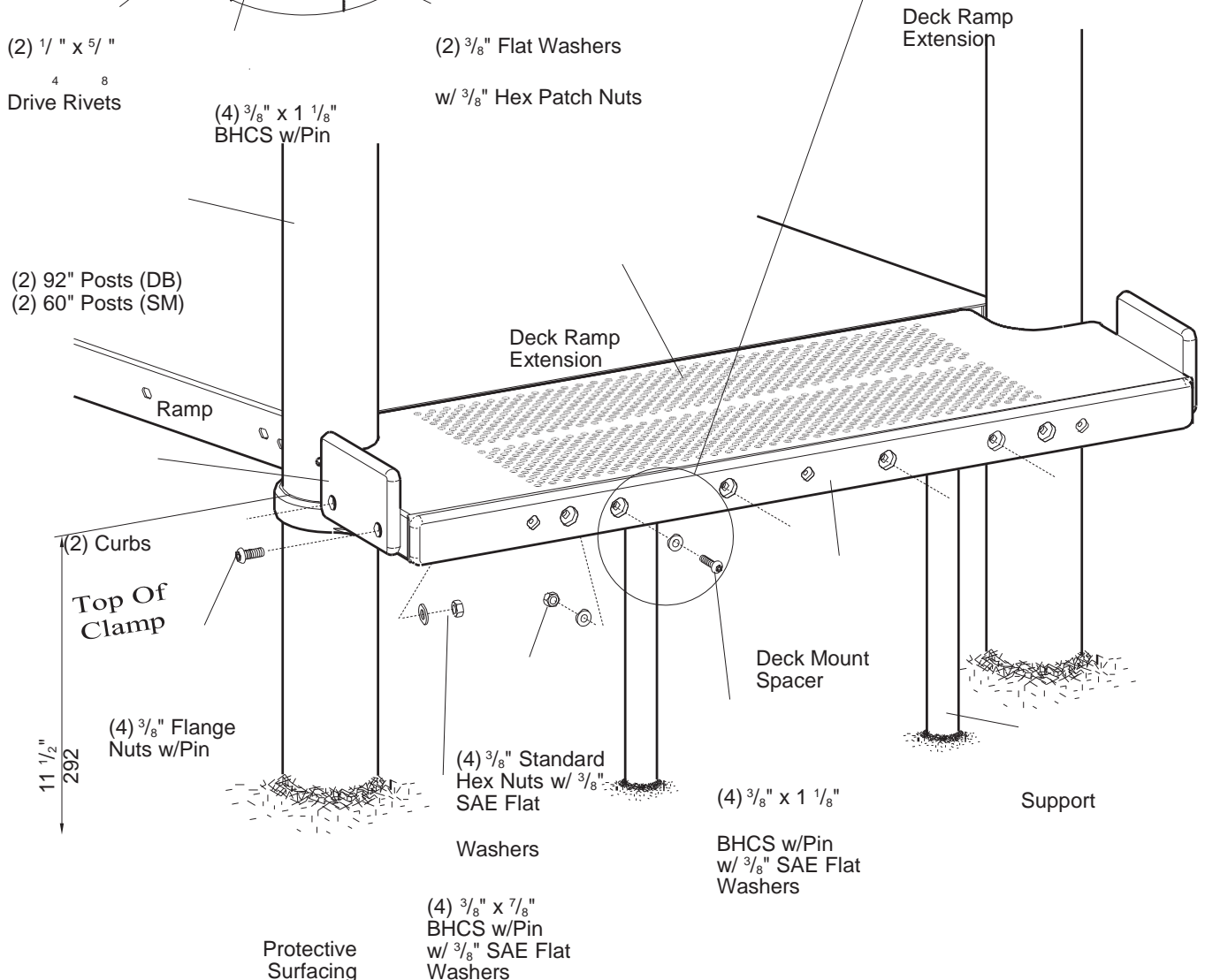
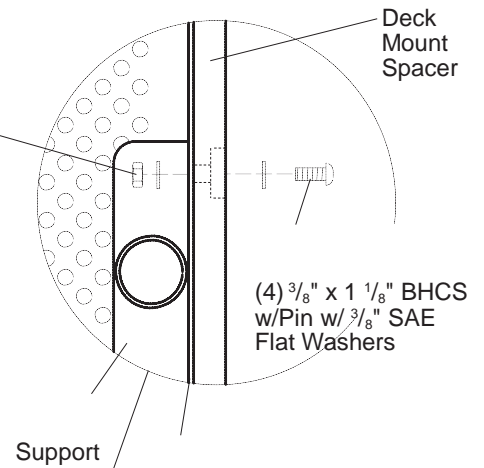
Refer to the Base Frame Anchoring Detail. **NOTE:** *Position 5/8" flat washers between base frame outside holes and concrete. Refer to the Base Frame Anchoring Details.*
- 3) Tap expansion anchors into drilled holes and secure using 1/2" standard hex nuts with 1/2" flat washers. Refer to the Base Frame Anchoring Details.
- 4) Attach axles to deck mount frame using thrust bearings, collars, 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. **NOTE:** *Attach axles with groove pin hole horizontal, as shown. Refer to the Arm Assembly To Deck Mount Frame Detail.*
- 5) Attach arm assemblies to deck mount frame axles using thrust bearings, collars and 1/4" x 2" spring pins. Place collar with pin on axle using the groove pinhole as a guide, insert spring pin in until flush with collar. Refer to the Arm Assembly To Base Frame Detail.
- 6) Attach arm assemblies with letter "A" up as shown to deck mount frame axles using thrust bearings, collars and 1/4" x 2" spring pins. Place collar with pin on axle using the groove pinhole as a guide, insert spring pin in until flush with collar. Refer to the Arm Assembly To Base Frame Detail.
- 7) Attach bumpers to base frame plates using 1 3/8" BHCS w/pin with 3/8" SAE flat washer and 3/8" nylok hex nuts with 3/8" SAE flat washers. Refer to the Bumper Attachment Detail.
- 8) Stage and set axles to the arm assembly with thrust bearings on axle prior to attaching axles to base frame using 3/8" x 1 1/4" BHCS w/pin limited thread bolts with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. **NOTE:** *Attach axles with groove pin hole horizontal. Refer to the Arm Assembly To Base Frame Detail.*
- 9) Attach thrust bearings and 1/4" x 2" spring pins to the collar. Place collar with pin on axle using the groove pinhole as a guide, insert spring pin in until flush with collar. **NOTE:** *Insert 1/4" x 2" spring pin 1/16" beyond first wall of collar. Refer to the Arm Assembly To Base Frame Detail.*
- 10) Attach deck extension to deck using deck extension supports, 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Deck Extension Assembly Detail.
- 11) Fasten deck extension to deck face using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Deck Extension Attachment Detail.
- 12) Loosely attach decks to deck mount frame using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers on deck mount frame ends and 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers on deck mount frame sides. Refer to the Deck Attachment Detail.
- 13) Attach decks to each other using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Deck Attachment Detail.
- 14) Tighten bolts from decks to deck mount frame.
- 15) Attach benches to decks using 3/8" x 7/8" BHCS w/pin with 3/8" flat washers. Refer to the Bench Attachment Detail.
- 16) Attach table post to decks using 3/8" x 1 3/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Table Post Attachment Detail.
- 17) Position 7 5/8" rods with pivot blocks between table post plate and table panel.
- 18) Attach table panel to table post plate using 3/8" x 1 1/4" flat head cap screws and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Pivot Block Assembly Detail.
- 19) Attach side panel frame to benches using 3/8" x 5/8" BHCS w/pin with 3/8" SAE flat washers. Refer to the Table/Side Panels Detail.
- 20) Attach side panel frame and lower side panel to the deck using 3/8" x 1 11/16" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Table/Side Panels Detail.
- 21) Attach upper side panels to side panel frame using 3/8" x 2 1/4" BHCS w/pin and 3/8" flange nuts w/pin. Refer to the Table/Side Panels Detail.
- 22) Attach panel guards to decks using 3/8" x 1 3/8" BHCS w/pin with 3/8" flat washers. Refer to the Panel Guard Attachment Detail.
- 23) **(Footing Panels to concrete footing)** Using footing panels as a guide, drill holes 2" deep into concrete footing using a 1/4" masonry bit and hammer drill. Secure footing panels to concrete footing, using 1/4" x 2" drive anchors and 1/4" flat washers. Refer to the Base Frame Anchoring Detail.
- 24) Apply Play Safe and Warning Labels, as shown.
- 25) If installed in playground environment, install protective surfacing before users are allowed to use Sway Fun. **NOTE:** *When installed inside playground environment, protective surfacing should not exceed height shown. Incorrect surfacing installation will inhibit the motion of the Sway Fun.*

Specifications are subject to change without notice.

DETAIL DECK ATTACHMENT



DETAIL (BOTTOM VIEW)





Sensory Play 177140 Sway Fun®, 12" High w/Ramp, Guardrails & Curbs

Parts

| Part# | Description | Qty. |
|---|---|-------------|
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 107509 | 92" Steel PlayBooster Post, DB, Specify Color | * 107681 |
| 92" Al. PlayBooster Post, DB, Specify Color | * 107460 | 60" |
| Steel PlayBooster Post, SM, Specify Color | * 107610 | 60" Al. |
| PlayBooster Post, SM, Specify Color | * 106022 | Deck Hanger |
| Clamp, Specify Color | | 2 |
| 182781 | Curb, Specify Color | 2 |
| 163641 | Deck Ramp Extension, Specify Color | 1 |
| 181399 | Support, DB, Specify Color | 1 |
| 181402 | Support, 2" SM (12" Deck), Specify Color | 1 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 2 |
| 182782 | Deck Ramp Extension Hardware Package | 1 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 8 |
| 100321 | 3/8" Hex Patch Nut, SST | 2 |

| | | |
|---------------|---|----------|
| 100362 | 3/8" Flat Washer, SST | 4 |
| 121348 | 4-Hole (SM) Hardware Package | 2 |
| 100266 | 1/2" x 2 3/4" Expansion Anchor | 8 |
| 100322 | 1/2" Standard Hex Nut, SST | 8 |
| 100363 | 1/2" Flat Washer, SST | 8 |

SM = Surface Mount

DB = Direct Bury

* = Quantity Determined By Your Order

Specifications

Deck Ramp Ext.: Flange formed from 11 GA (.120") (3,05 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,93 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 15 3/4" x 47" (66,67 mm x 400,05 mm x 1193 mm). Finish: TenderTuff®, color specified

Posts: See PlayBooster® General Specifications

Support (DB): Weldment comprised of 1.660" (42,16 mm) O.D. RS20 (.085"-.095") (2,15 mm-2,41 mm) wall galvanized steel tubing and 1 3/4" x 1 3/4" x 1/8" (44,45 mm x 44,45 mm x 3,17 mm) HR angle. Finish: ProShield®,

Installation Instructions

- 1) **(Direct Bury)** Dig footings as shown. Refer to the Plan View/Footing Layout.
- 2) Fasten hanger clamp assemblies to posts at height shown.
- 3) Lift deck ramp extension into position, lining up studs underneath deck ramp extension with deck hanger clamps as shown. Attach with 3/8" flat washers and 3/8" hex patch nuts.
- 4) Attach curbs to deck ramp extension, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin

- 5) Attach deck mount spacer and support to deck ramp extension, using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to Detail
 - 6) Level deck and plumb posts. Install 1/4" x 5/8" drive rivets in all 5" half
- | | | |
|--------|-----------------------------------|----|
| 100327 | 3/8" Standard Hex Nut, SST | 4 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100362 | 3/8" Flat Washer, SST | 2 |
| 100362 | 3/8" SAE Flat Washer, SST | 12 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 4 |
| 100353 | 3/8" Flange Nuts w/Pin, SST | 4 |
- 111394** **4-Hole (SM) Hardware Package** 1
- | | | |
|--------|--------------------------------------|---|
| 100263 | 3/8" x 2 3/4" Expansion Anchor | 4 |
| 100327 | 3/8" Standard Hex Nut, SST | 4 |

clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet

- 7) **(Direct Bury)** Pour concrete footings per the Direct Bury Detail. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure. **NOTE:** Do not pour concrete footings until structure is fully assembled.

(Surface Mount Support) With support plumb, drill 3" deep holes into concrete slab through holes in support plates, use a 3/8" masonry bit and 3/8" hammer drill. Tap 3/8" x 2 3/4" expansion anchors into holes and secure using 3/8" standard hex nuts with 3/8" flat washers. Refer to color specified

Curb: Permalene®, color specified

Clamps: Cast aluminum. Finish: ProShield, color specified

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications)

the Surface Mount Support Detail. **NOTE:** *Do not anchor support to concrete until structure is fully assembled.*

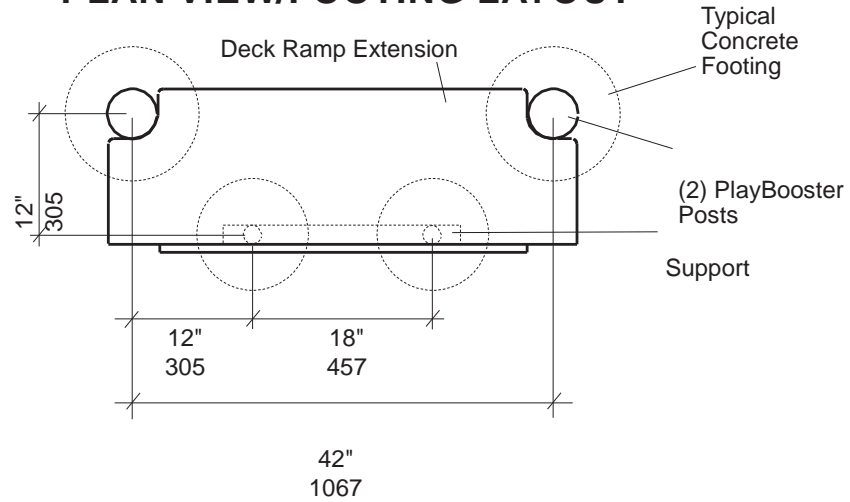
(Surface Mount Posts) With posts plumb, drill 3" deep holes into concrete slab through holes in support plates, use a $\frac{1}{2}$ " masonry bit and $\frac{1}{2}$ " hammer drill. Tap $\frac{1}{2}$ " x $2\frac{3}{4}$ " expansion anchors into holes

and secure using $\frac{1}{2}$ " standard hex nuts with $\frac{1}{2}$ " flat washers. Refer to the Surface Mount Posts Detail. **NOTE:** *Do not anchor posts to concrete until structure is fully assembled.*

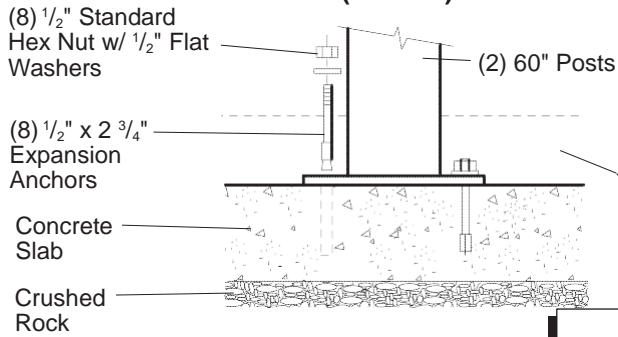
- 8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

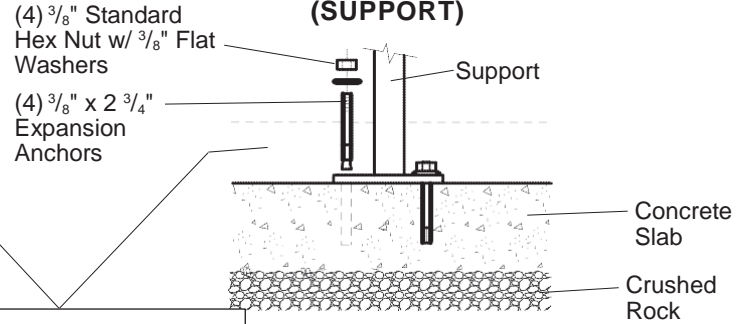
PLAN VIEW/FOOTING LAYOUT



DETAIL SURFACE MOUNT (POSTS)

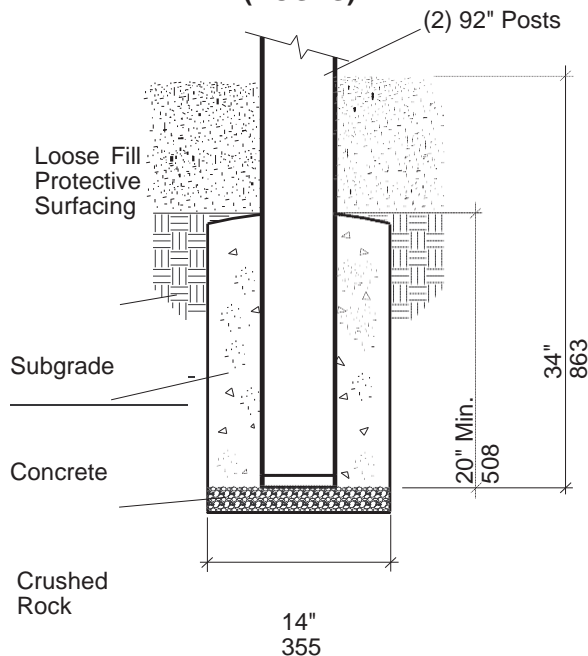


DETAIL SURFACE MOUNT (SUPPORT)

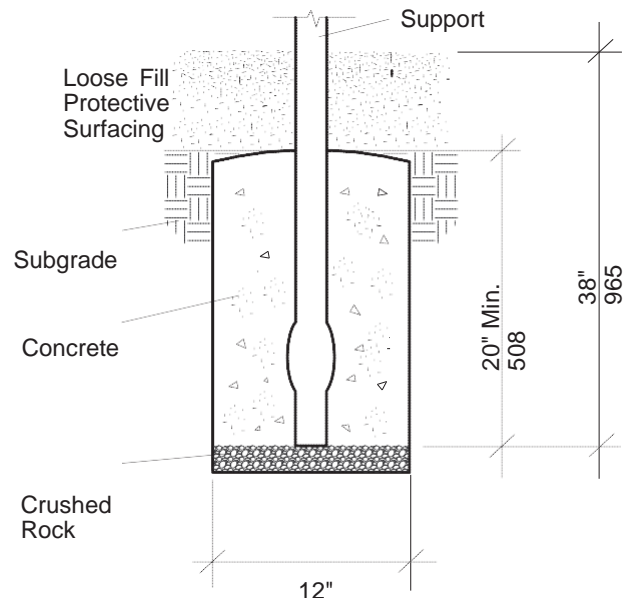


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

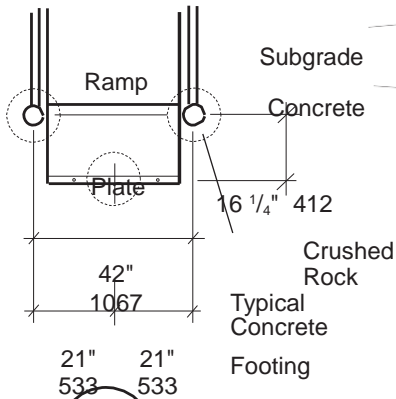
DETAIL DIRECT BURY (POSTS)



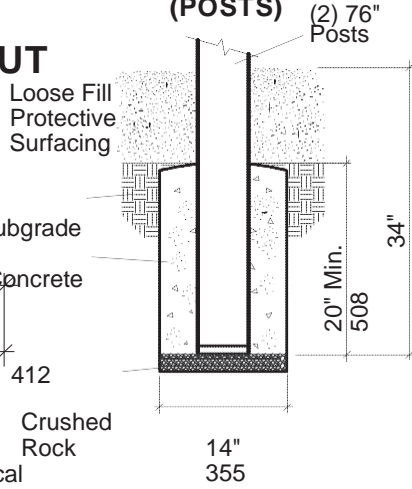
DETAIL DIRECT BURY (SUPPORT)



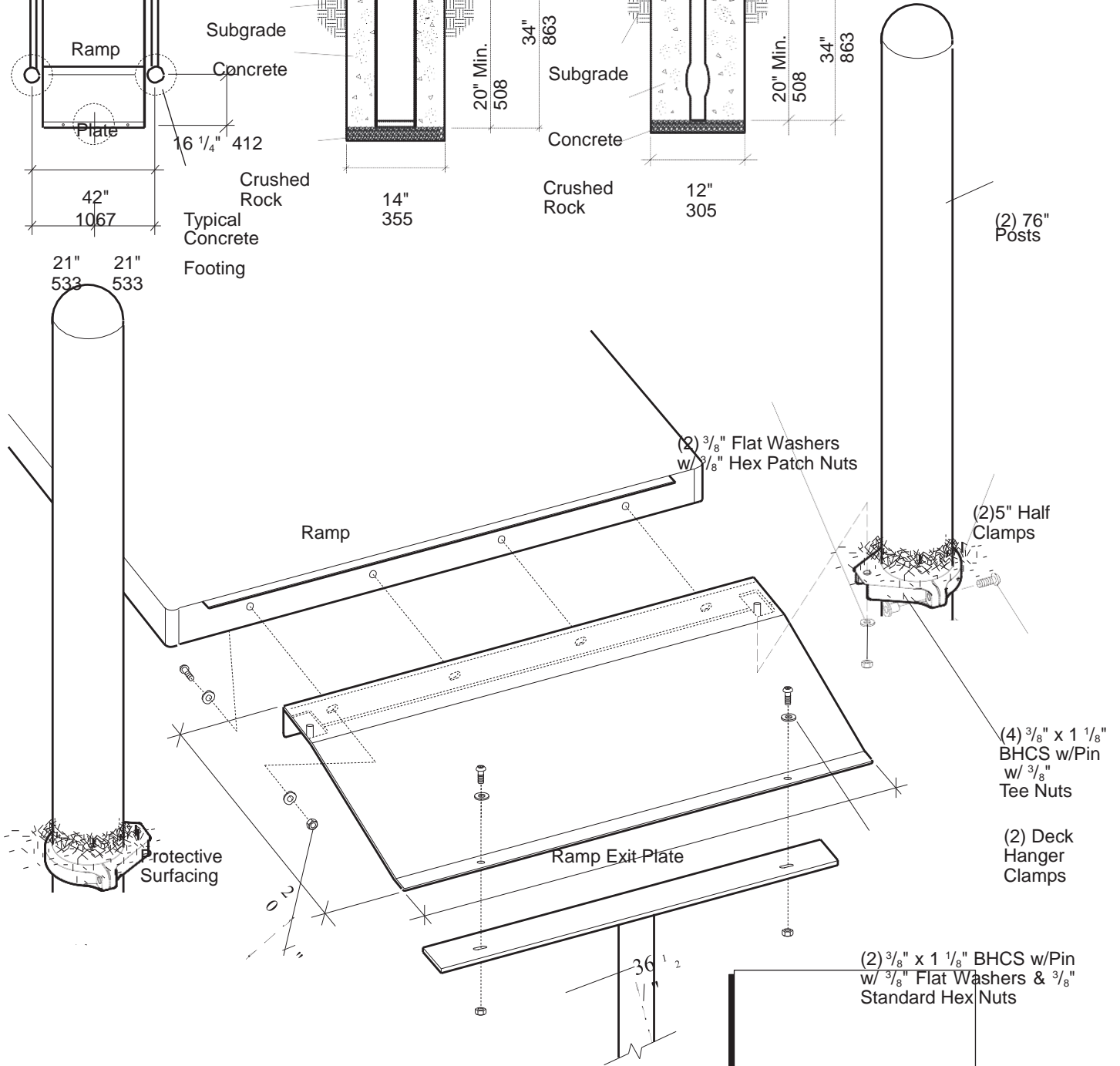
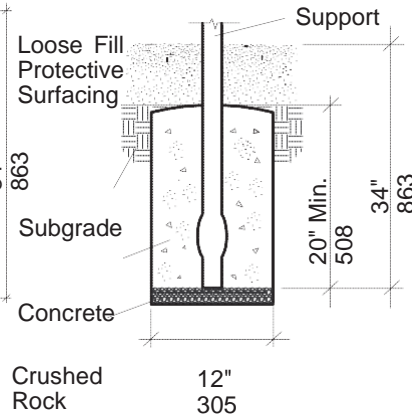
**PLAN VIEW/
FOOTING LAYOUT**



**DETAIL
DIRECT BURY
(POSTS)**



**DETAIL
DIRECT BURY
(SUPPORT)**



Hardware Supplied With Ramp

Direct Bury Support

NOTE: Holes are offset towards front. Position this way when attaching to plate.

Ramp Exit Plate, DB



Sensory Play 177140 Sway Fun[®], 12" High w/Ramp, Guardrails & Curbs

Parts List

| Part# | Description | Qty. |
|---|--|----------|
| 177563 | Ramp Exit Plate, Specify Color | 1 |
| 180979 | Support (DB), Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 106022 | Deck Hanger Clamp, Specify Color | 2 |
| 107500 | 76" Steel PlayBooster Post, DB, Specify Color.....* | 107670 |
| 76" Al. PlayBooster Post, DB, Specify Color.....* | 107453 | 44" |
| Steel PlayBooster Post, SM, Specify Color.....* | 107603 | 44" |
| Al. PlayBooster Post, SM, Specify Color.....* | | |
| 121051 | Ramp Exit Plate (DB) Hardware Package | |
| 100198 | ³ / ₈ " x 1 ¹ / ₈ " BHCS w/Pin, SST..... | 6 |
| 100321 | ³ / ₈ " Hex Patch Nut, SST..... | 2 |
| 100327 | ³ / ₈ " Standard Hex Nut, SST..... | 2 |
| 100351 | ³ / ₈ " Tee Nut, SST..... | 4 |
| 100362 | ³ / ₈ " Flat Washer, SST..... | 4 |
| 100610 | ¹ / ₄ " x ⁵ / ₈ " Drive Rivet, AL/SST..... | 2 |
| 120439 | Ramp Exit Plate (SM) Hardware Package..... | 1 |
| 100198 | ³ / ₈ " x 1 ¹ / ₈ " BHCS w/Pin, SST..... | 4 |
| 100321 | ³ / ₈ " Hex Patch Nut, SST..... | 2 |
| 100351 | ³ / ₈ " Tee Nut, SST..... | 4 |
| 100362 | ³ / ₈ " Flat Washer, SST..... | 2 |
| 100610 | ¹ / ₄ " x ⁵ / ₈ " Drive Rivet, AL/SST..... | 2 |
| 121348 | 4 Hole (SM) Hardware Package..... | 2 |
| 100266 | ¹ / ₂ " x 2 ³ / ₄ " Expansion Anchor..... | 8 |
| 100322 | ¹ / ₂ " Standard Hex Nut, SST..... | 8 |
| 100363 | ¹ / ₂ " Flat Washer, SST..... | 8 |
| 129321 | 2-Hole (SM) Hardware Package..... | 1 |
| 100261 | ¹ / ₄ " x 2" Drive Anchor..... | 2 |
| 122030 | ¹ / ₂ " Flat Washer, SST..... | 2 |

DB = Direct Bury

SM = Surface Mount

* = Quantity Determined By Your Order

Specifications

Support: Fabricated from ¹/₄" x 3" (6,35 mm x 76 mm) zinc plated HRS plate continuously welded to 2 ³/₈" (60,32 mm) O.D. RS20 galvanized steel tubing. Finish: ProShield[®], color specified

Posts: See PlayBooster[®] General Specifications

Ramp Exit Plate: Fabricated from 10 GA (.135") (3,42 mm) HRPO steel plate with ³/₈" x 1" stainless steel mounting stud. Finish: TenderTuff[®], color specified

Deck Hanger

Clamp Assembly: Cast aluminum. Finish: ProShield, color specified

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications)

Installation Instructions

- 1) **(Direct Bury)** Dig footings as shown.
- 2) Install exit plate in conjunction with ramp.
- 3) Mark posts for the appropriate height to install clamps. Fasten deck hanger clamps to the marked position on posts using 5" half clamps and ³/₈" x 1 ¹/₈" BHCS w/pin with ³/₈" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet
- 4) Position ramp exit plate over deck hanger clamps and attach using ³/₈" hex patch nuts with ³/₈" flat washers, as shown
- 5) Attach support to ramp exit plate using ³/₈" x 1 ¹/₈" BHCS w/pin with

³/₈" flat washers and ³/₈" standard hex nuts, as shown.

- 6) **(Direct Bury)** With support and posts plumb, pour concrete footing. **NOTE:** Do not pour concrete footings until structure is fully assembled.

(Surface Mount) Secure ramp exit plate to surface using ¹/₄" x 2" drive anchors and ¹/₄" flat washers. **NOTE:** Do not anchor ramp exit plate to concrete until structure is fully assembled.

(Surface Mount) With posts plumb, drill 3" deep holes into concrete slab through holes in support plates, use a ¹/₂" masonry bit and hammer drill. Tap ¹/₂" x 2 ³/₄" expansion anchors into holes and secure using ¹/₂" standard hex nuts with ¹/₂" flat washers. Refer to the Surface Mount Posts Detail. **NOTE:** Do not anchor posts to concrete until structure is fully assembled.

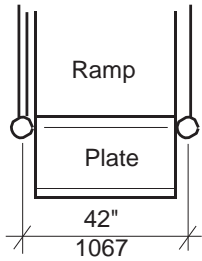
- 7) Install ¹/₂" x ⁵/₈" drive rivets in all 5" half clamps. Refer to the Typical

Offset Hanger Clamp Spec Sheet

- 8) Install protective surfacing before users are allowed to play on the structure.

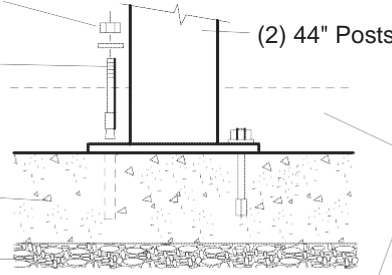
Added protective surfacing above clamps on 76' posts.

**DETAIL
SURFACE MOUNT**

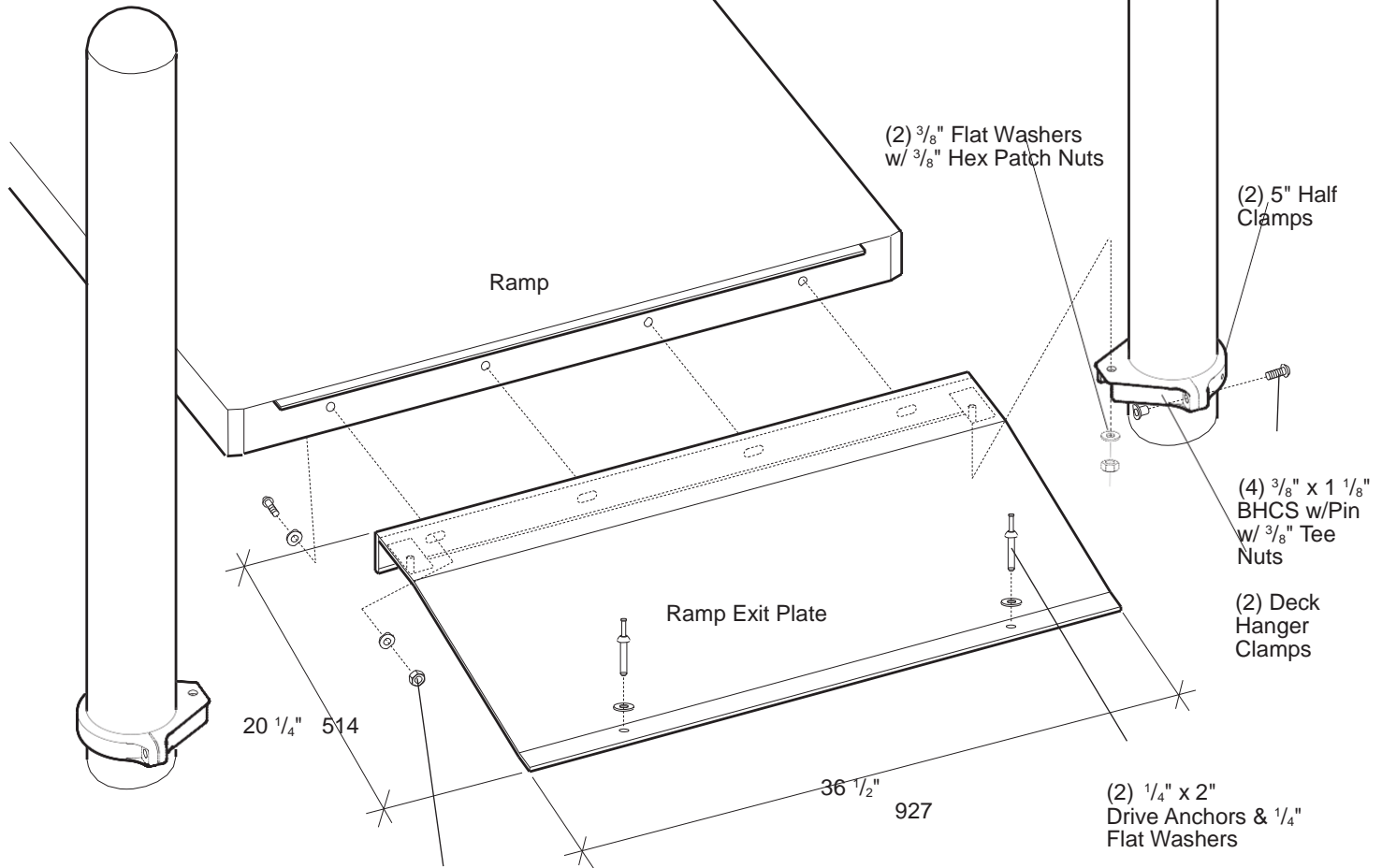


(8) 1/2" Standard
Hex Nut w/ 1/2" Flat
Washers
(8) 1/2" x 2 3/4"
Expansion
Anchors

Concrete
Slab
Crushed
Rock



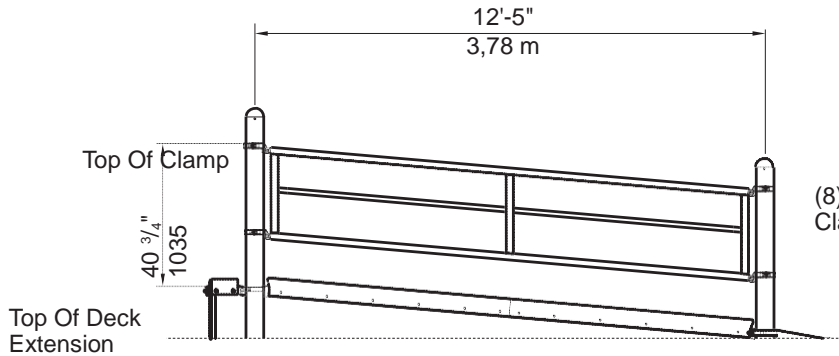
**NOTE: Sufficient protective
surfacing must cover hard-
ware to satisfy fall height
requirements.**



Hardware Supplied With
Ramp

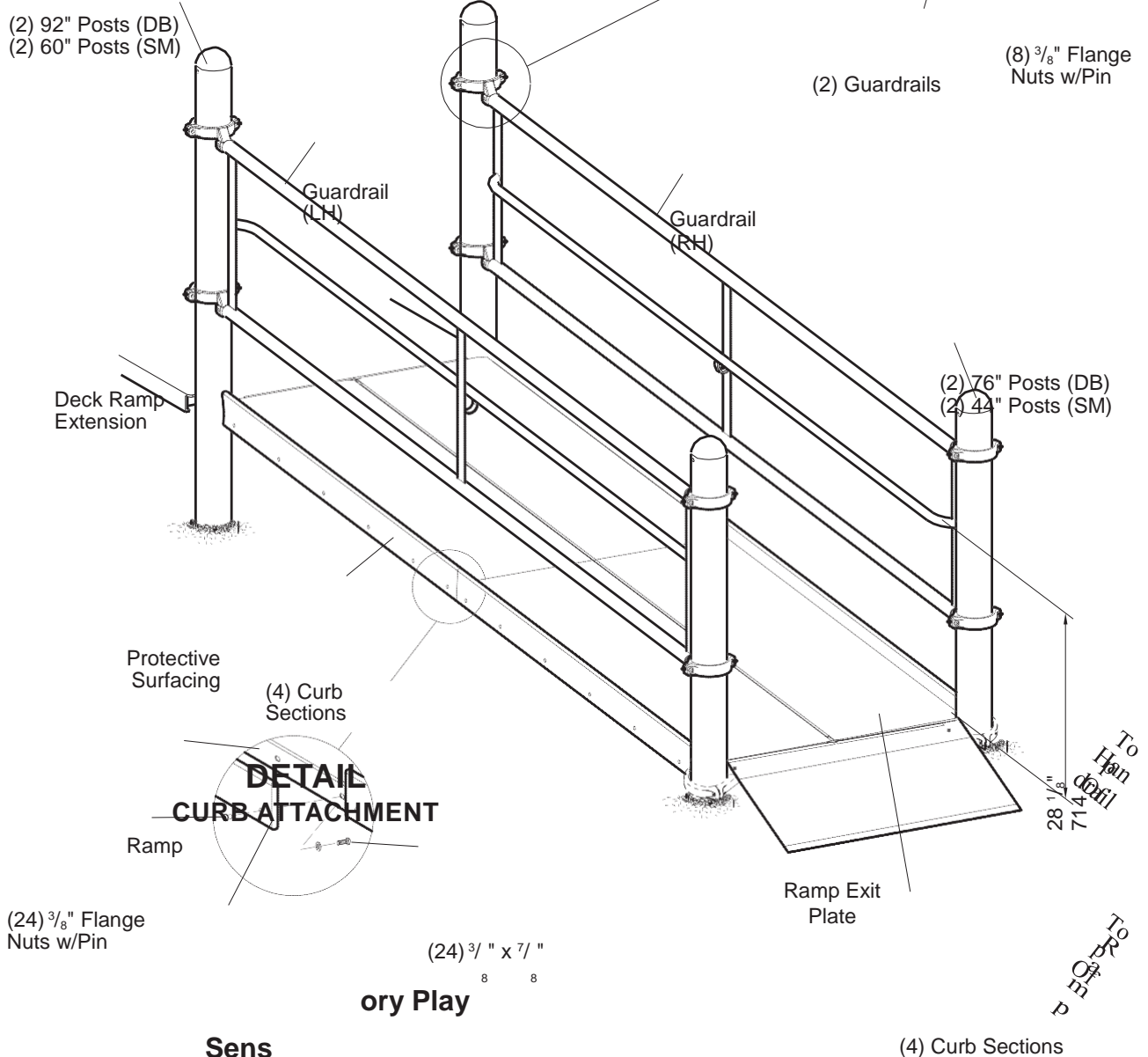
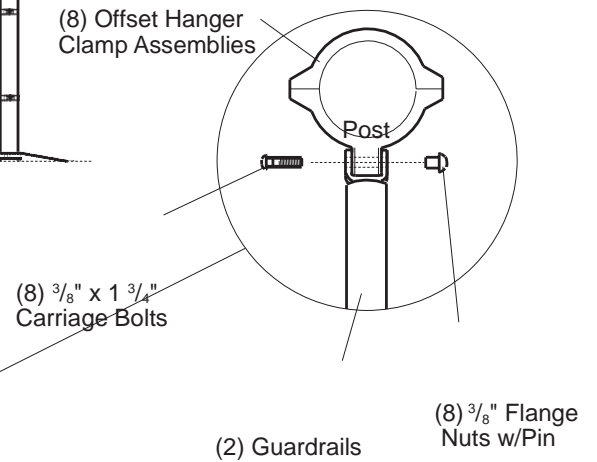
NOTE:
Install in conjunction with
ramp. Refer to Ramp w/Guard-
rails Installation Sheet.

PLAN VIEW/FOOTING LAYOUT



DETAIL

GUARDRAIL ATTACHMENT



BHCS
w/Pin
w
/
3
/
8
"

(2) 12'
Ramps

F
l
a
t
W
a
s
h
e
r
s

S
h
e
e
t
1
0
o
f
1
1

**Ramp,
w/Guardrai
ls**



Sensory Play 177140 Sway Fun®, 12" High w/Ramp, Guardrails & Curbs

Parts List

| Part# | Description | Qty. |
|---------------|---|----------|
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST..... | 8 |
| 105327 | 5" Half Clamp, Specify Color..... | 8 |
| 113729 | 5" Offset Hanger Clamp, Specify Colo..... | 8 |
| 178017 | 12" Ramp, Specify Color..... | 2 |
| 178019 | Guardrail (RH), Specify Color..... | 1 |
| 178018 | Guardrail (LH), Specify Color..... | 1 |
| 174797 | Curb, Specify Color..... | 4 |
| 171409 | Curb Hardware Package..... | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST..... | 24 |
| 100353 | 3/8" Flange Nut w/Pin, SST..... | 24 |
| 100362 | 3/8" Flat Washer, SST..... | 24 |
| 159480 | Barrier Hardware Package..... | 1 |
| 100148 | 3/8" x 1 3/4" Carriage Bolt, SST..... | 8 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST..... | 16 |
| 100351 | 3/8" Tee Nut, SST..... | 16 |
| 100353 | 3/8" Flange Nut w/Pin, SST..... | 8 |
| 228066 | Ramp Hardware Package..... | 1 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST..... | 20 |
| 100327 | 3/8" Standard Hex Nut, SST..... | 8 |
| 100362 | 3/8" Flat Washer, SST..... | 44 |
| 113027 | 3/8" x 1 3/8" BHCS w/Pin, SST..... | 2 |
| 100349 | 3/8" Low Crown Cap Nut, SST..... | 14 |

(RH) = Right Hand

(LH) = Left Hand

Specifications

Guardrail: Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080"- .090") (2,03 mm-2,29 mm) wall galvanized steel tube, 1.900" (48,26 mm) O.D. RS20 (.085" - .095") (2,16 mm-2,41 mm) wall galvanized steel tube, 3/16" (4,75 mm) HRPO flat steel, 1/4" (6,35 mm) HRPO flat steel and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield®, color specified

Bridge/Ramp: Weldment comprised of 12 GA (.105") (2,67 mm) sheet HRPO steel conforming to ASTM A1011, 1/4" (6,35 mm) HR flat steel and 3/16" (4,75 mm) (7,94 mm) HR flat steel. Standing surface is perforated with 5/16" (7,94 mm) diameter holes. Finish: TenderTuff®, color specified

Curb: Permalene®, color specified

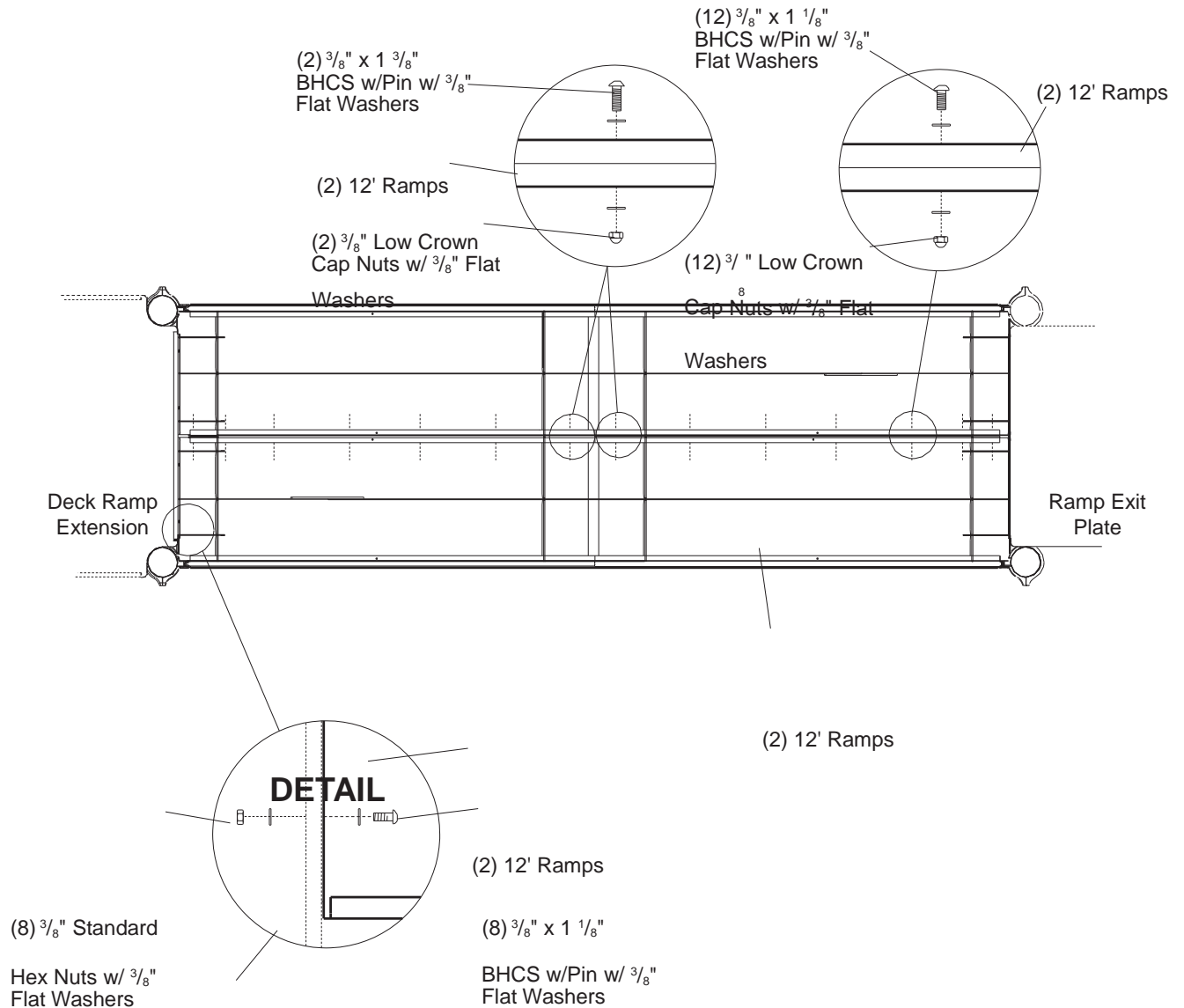
Clamps: Cast aluminum. Finish: ProShield, color specified

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications)

Installation Instructions

- 1) With posts, deck ramp extension and ramp exit plate in proper position, set ramps on deck ramp extension and ramp exit plate. Fasten ramps to deck ramp extension and ramp exit plate, using 3/8" x 1 1/8" BHCS w/pin with 3/8" flat washers and 3/8" standard hex nuts with 3/8" flat washers. Refer to the Ramp Attachment Details.
- 2) Fasten ramps together. Refer to the Ramp Attachment Details.
- 3) Attach (4) curb sections to faces of ramp in position shown, using 3/8" x 7/8" BHCS w/pin with 3/8" flat washers and 3/8" flange nuts w/pin. Refer to the Curb Attachment Detail.
- 4) Fasten an offset hanger clamp to the end of each guardrail, using 3/8" x 1 3/4" carriage bolt and 3/8" flange nut w/pin. Refer to Guardrail Attachment Detail. Attach guardrails to posts at height shown, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet
- 5) Install 1/4" x 1/8" drive rivets in all 5" half clamps. Refer to the Offset Hanger Clamp Spec Sheet.
- 6) Install protective surfacing before users are allowed to play on the structure.

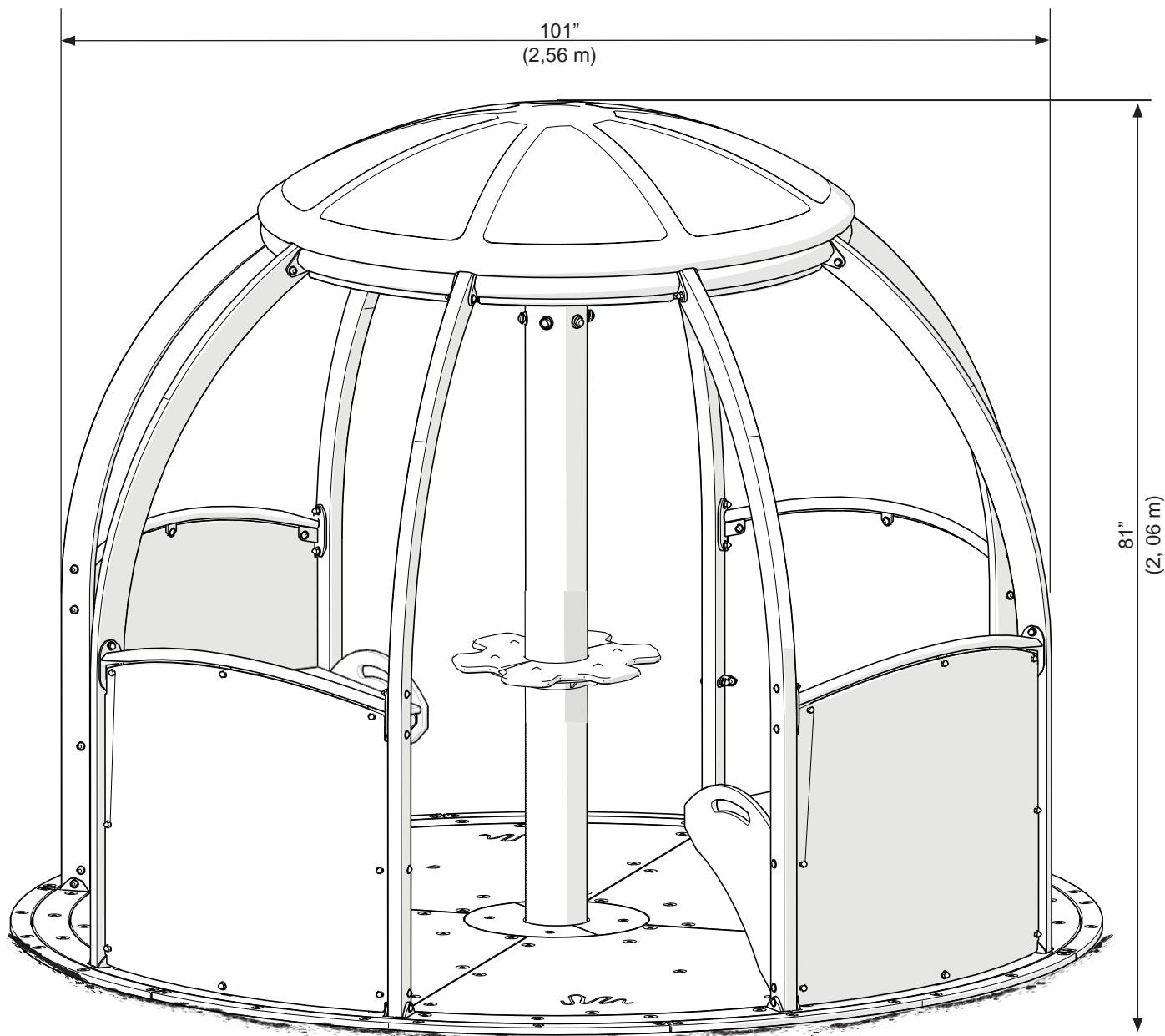
**DETAIL
RAMP ATTACHMENT
(BOTTOM VIEW)**



Deck Ramp Extension
& Ramp Exit Plate

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



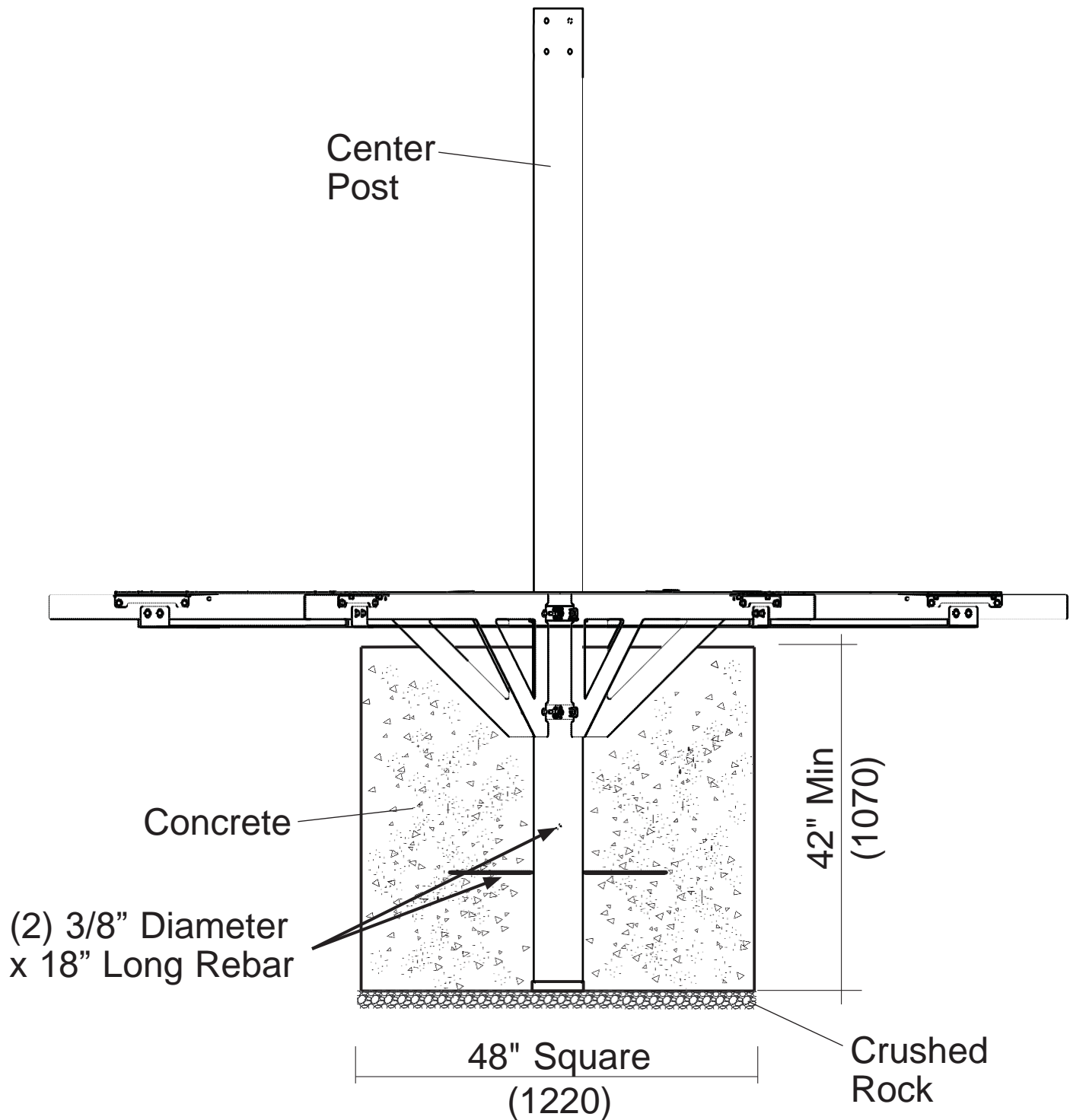
Protective
Surfacing

Scan the QR Code
to the right, or
type the URL into
a browser to view
the video

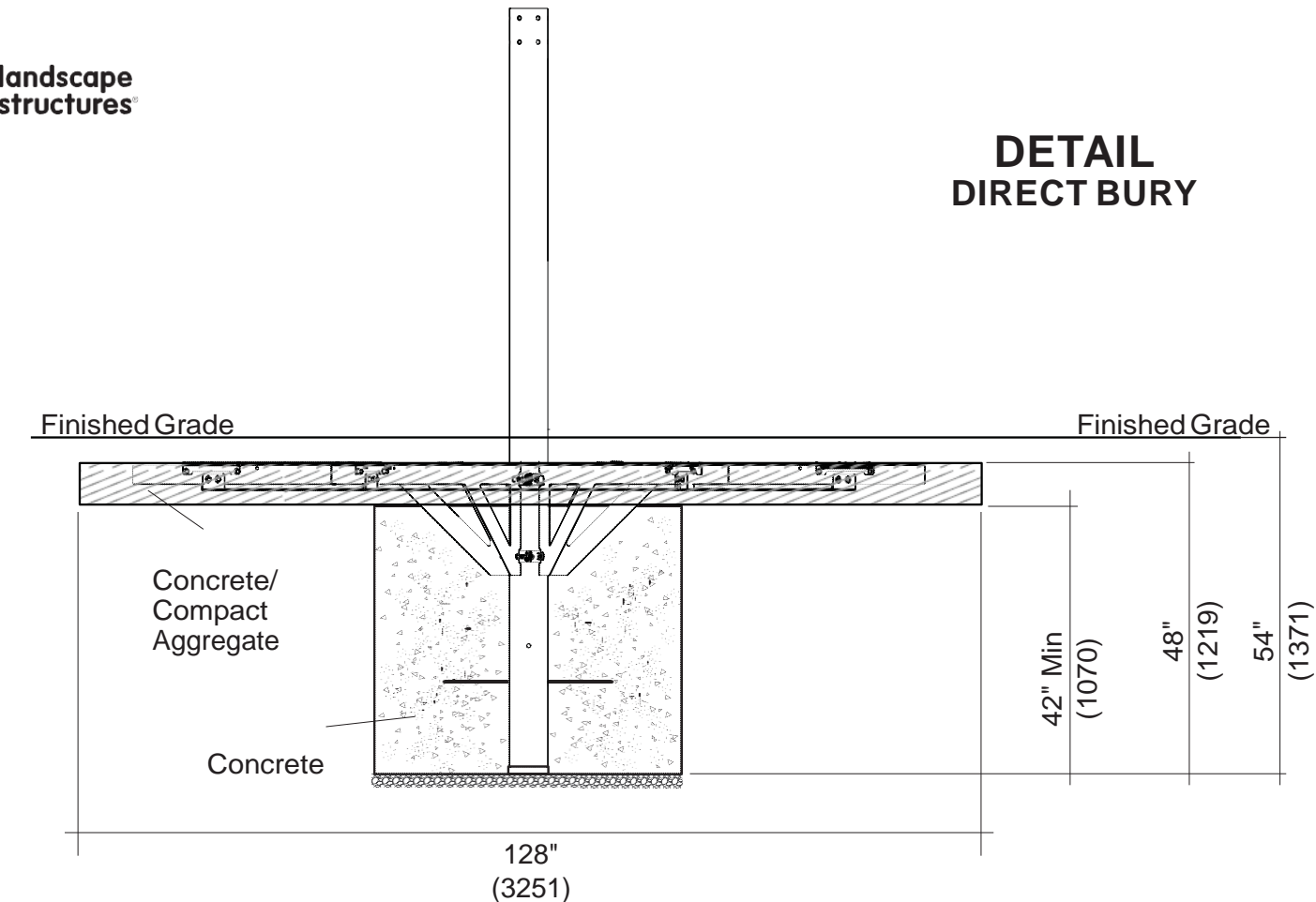


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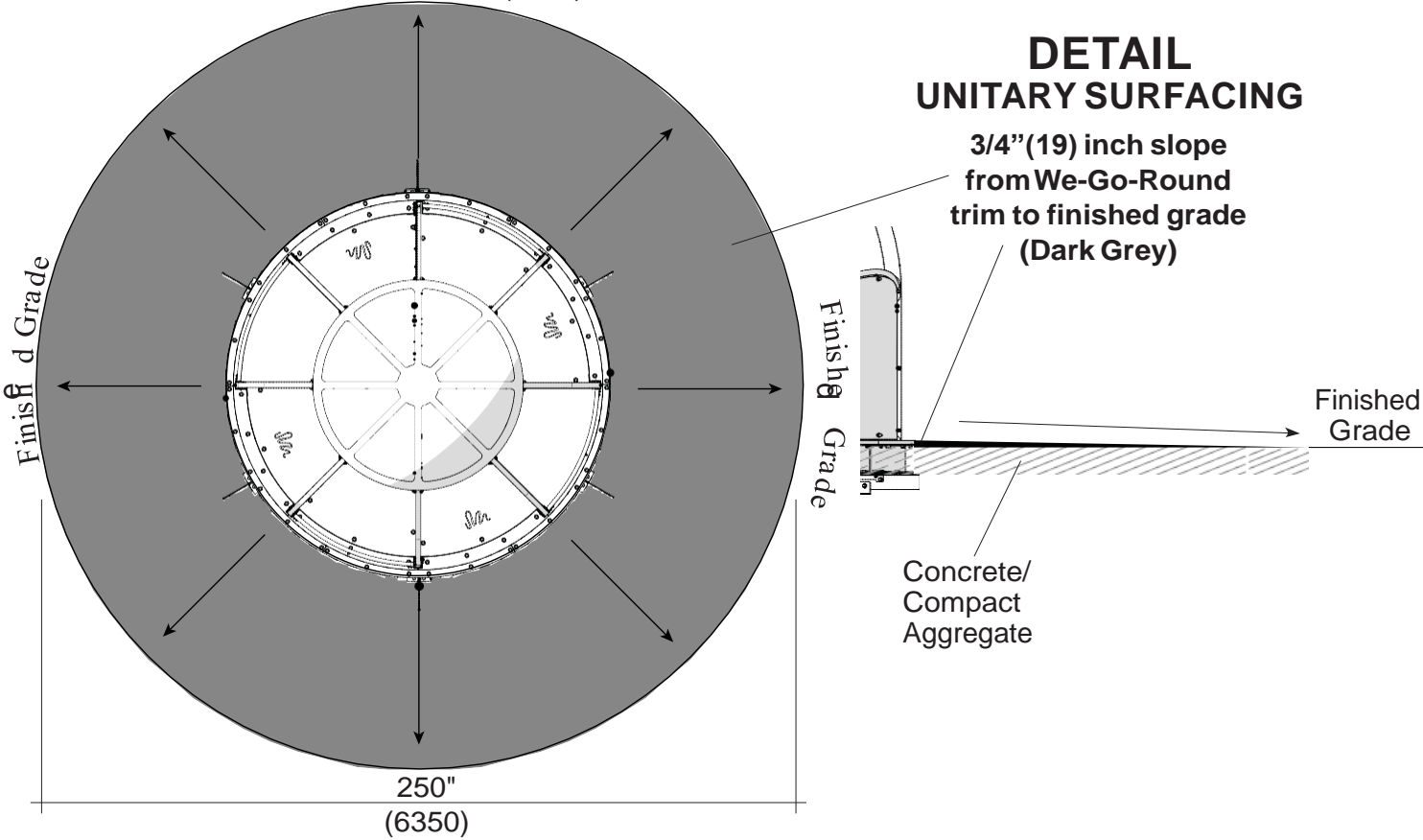
DETAIL DIRECT BURY



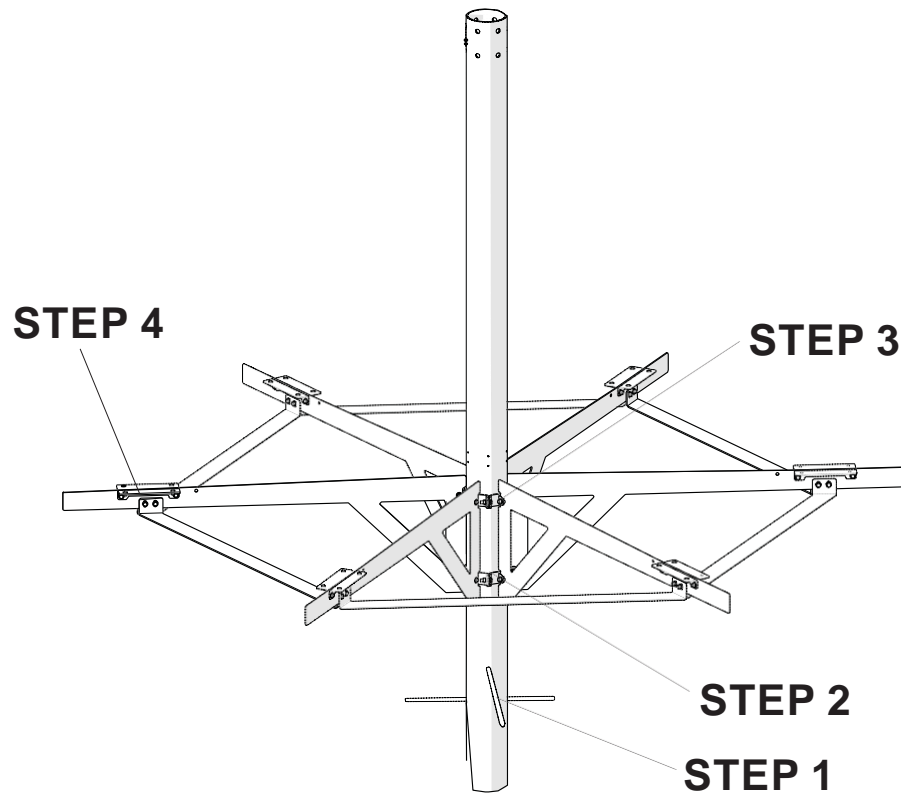
DETAIL DIRECT BURY



DETAIL UNITARY SURFACING



FOUNDATION I

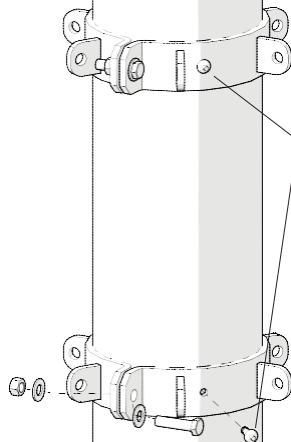


STEP 1

(2) 3/8" Diameter x 18" Long Rebar

1x 6.0 OD x .25" x 119.50" Post (249121) 2x 3/8" x 18" Rebar (222399)




STEP 2





NOTE: Rivets will set clamp height and orientation.

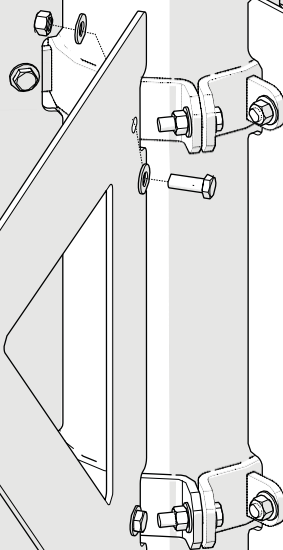
46 5/8"

34 5/8"



- 4x  Rib Clamp (249117)
 2x  1/2" x 5/8" Drive Rivet (10610)
 4x  3/8" Standard Hex Nut (100327)



- 4x  3/8" x 1 1/2" Hex Screw (100208)
 8x  3/4" SAE Washer (100365)

STEP 3

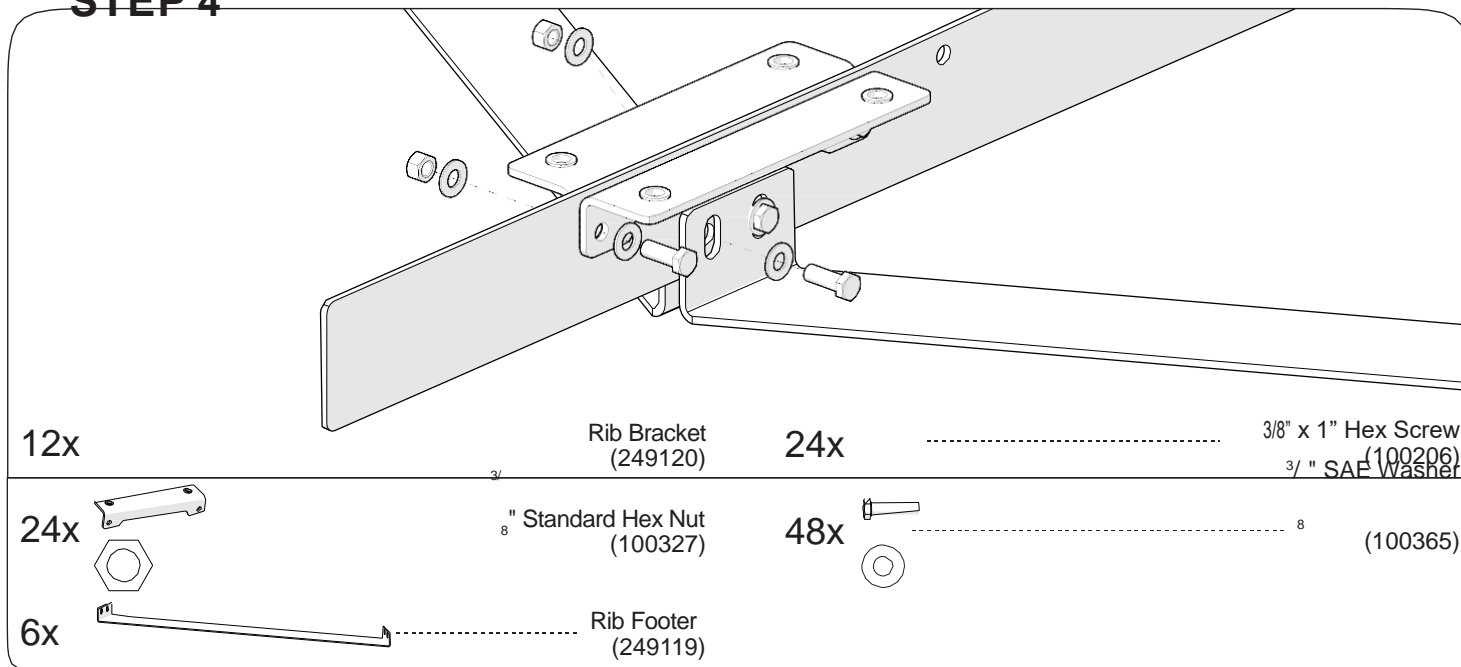


NOTE: All ribs are on the right side of the tab. **Pull ribs tight to post.**

- 6x  Rib (249118)
 12x  3/8" Standard Hex Nut (100327)

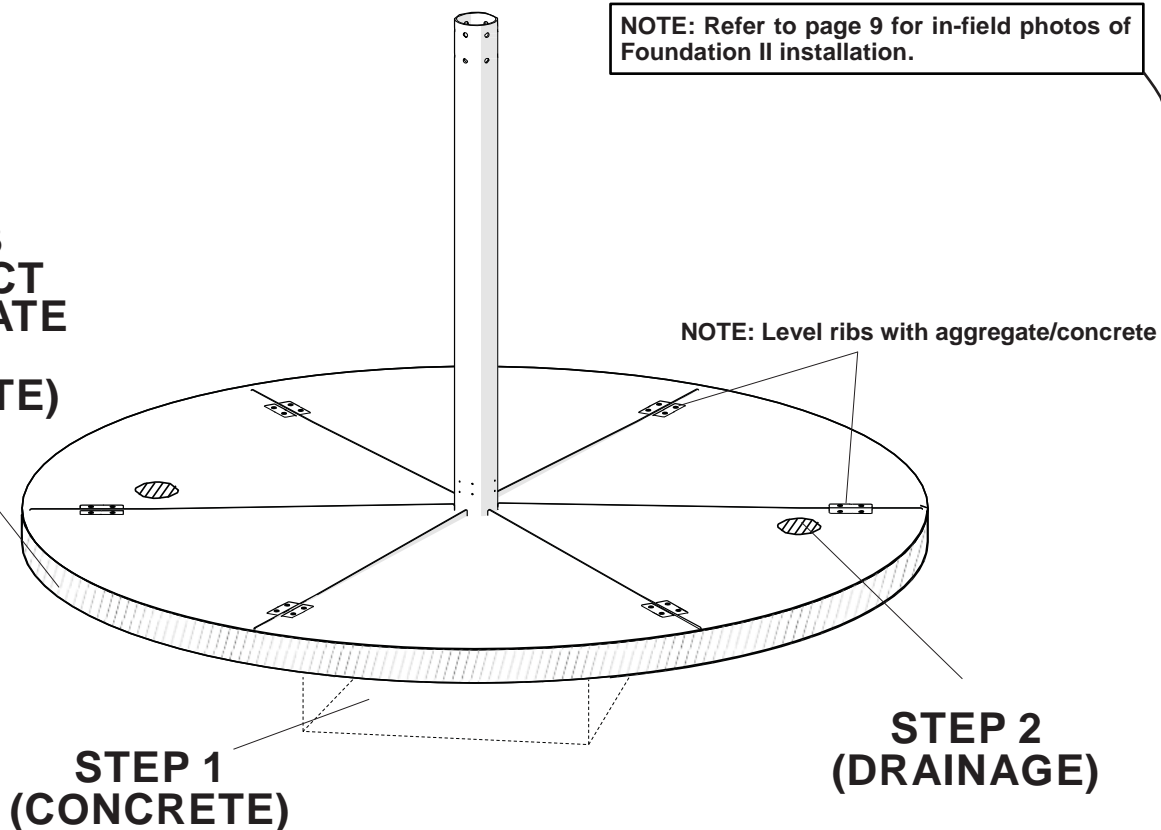
- 12x  3/8" x 1" Hex Screw (100206)
 24x  3/4" SAE Washer (100365)

STEP 4

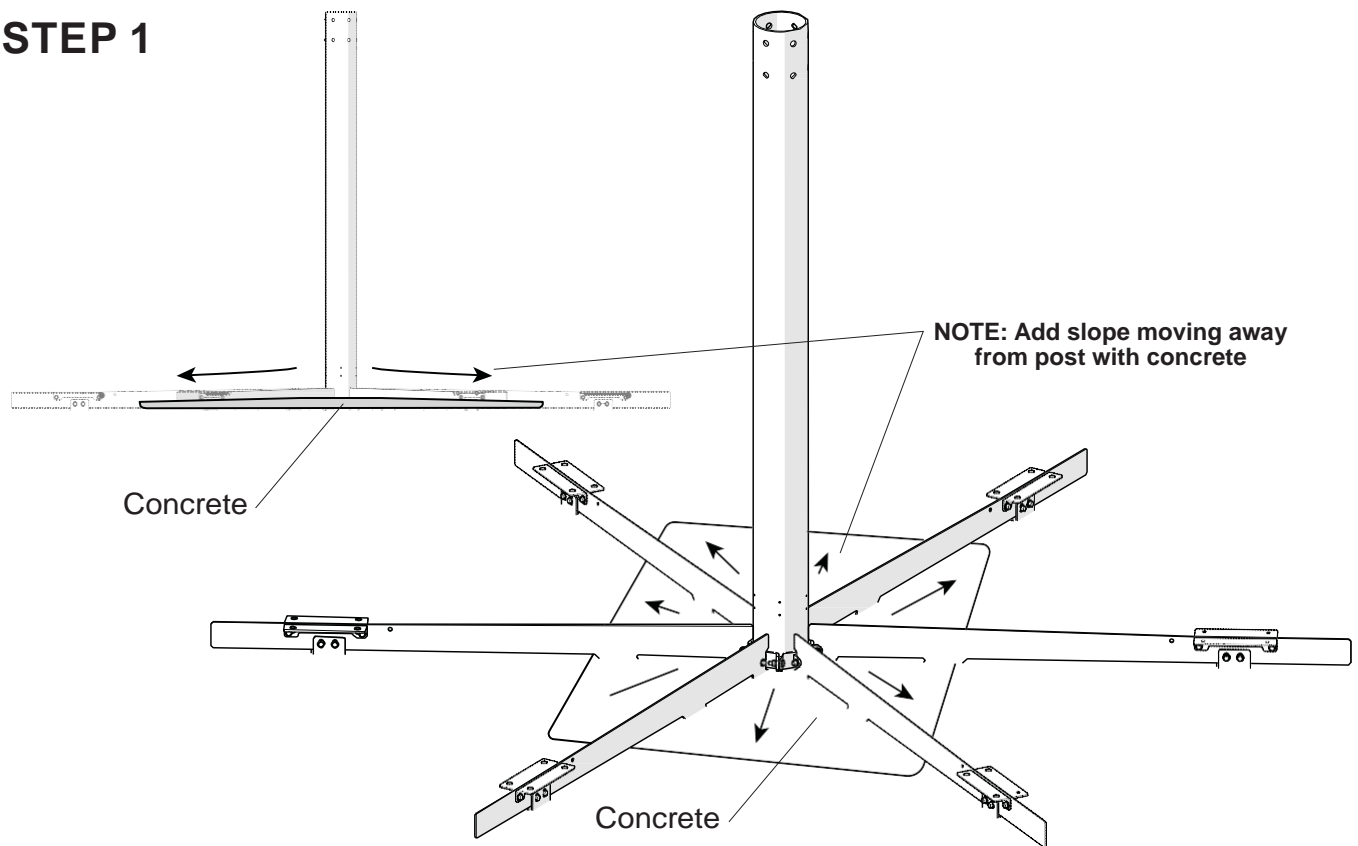


FOUNDATION II

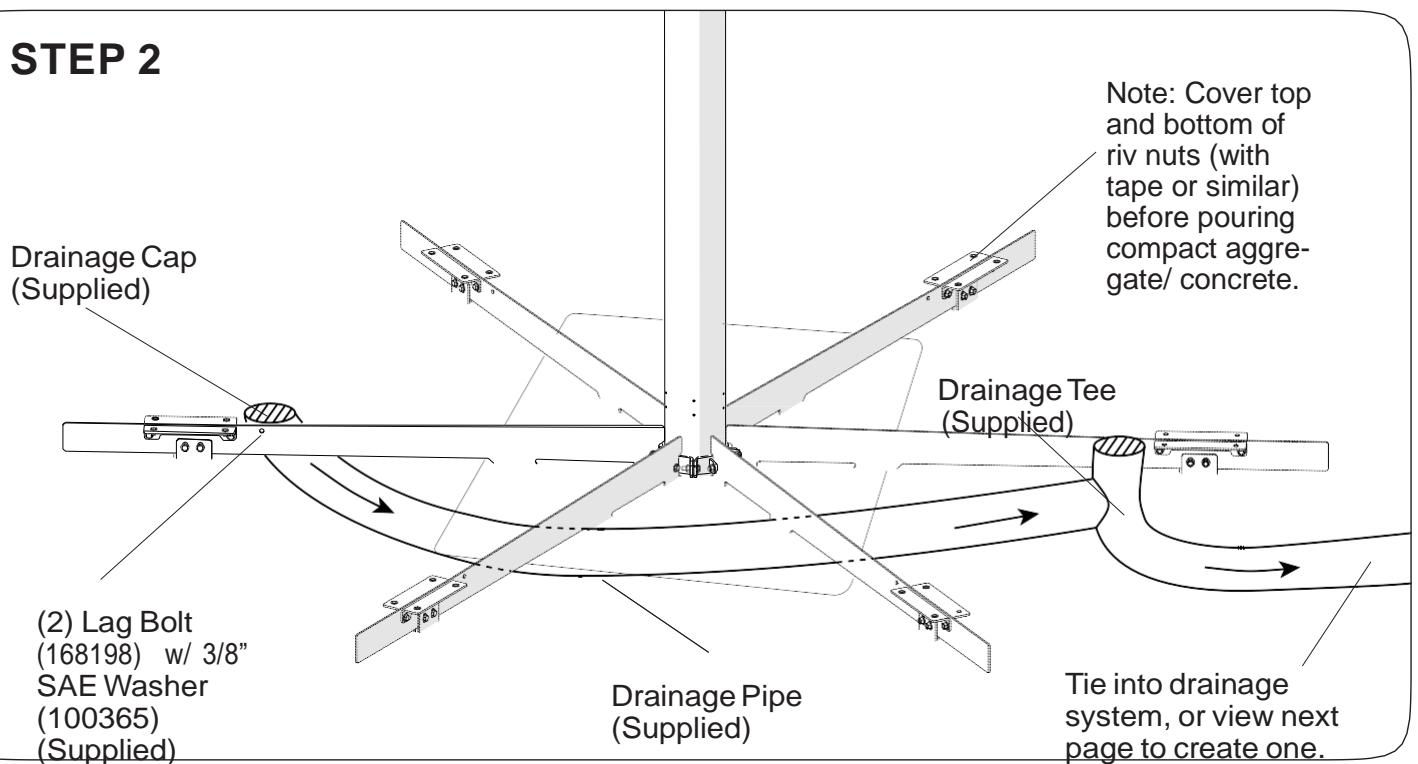
**STEP 3
(COMPACT
AGGREGATE
OR
CONCRETE)**



STEP 1

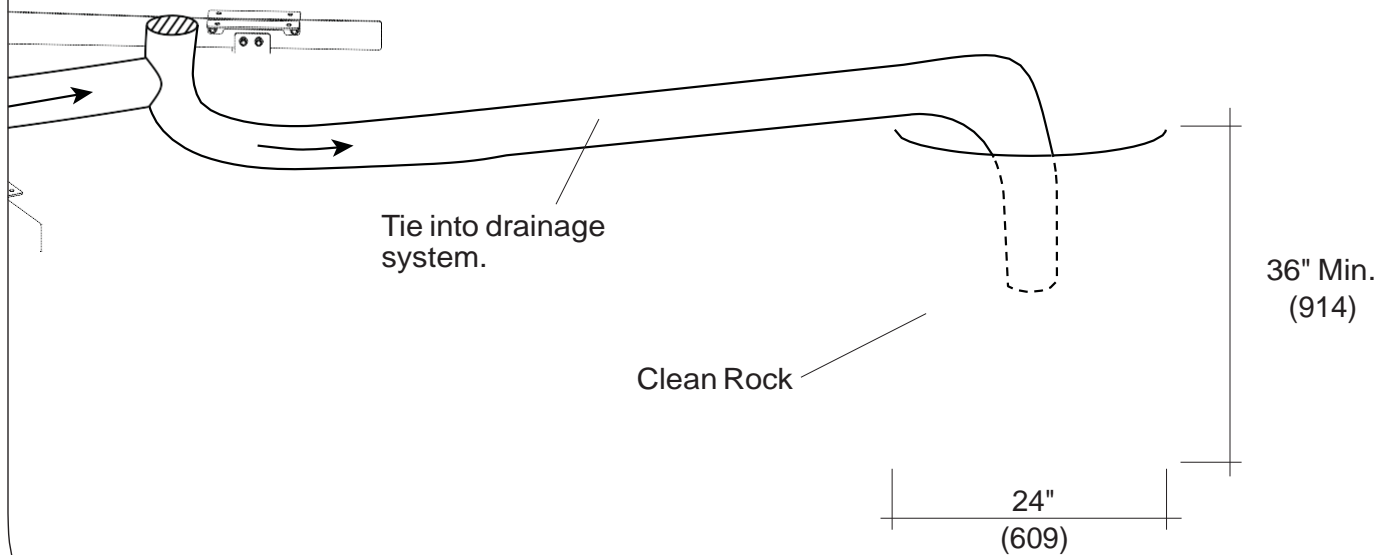


STEP 2



STEP 3

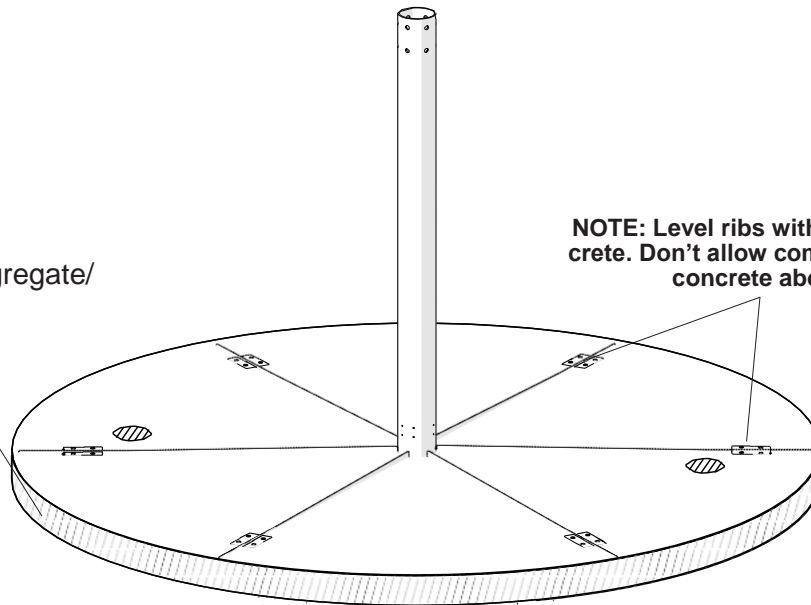
Note: For sites without an existing drainage system.



STEP 4

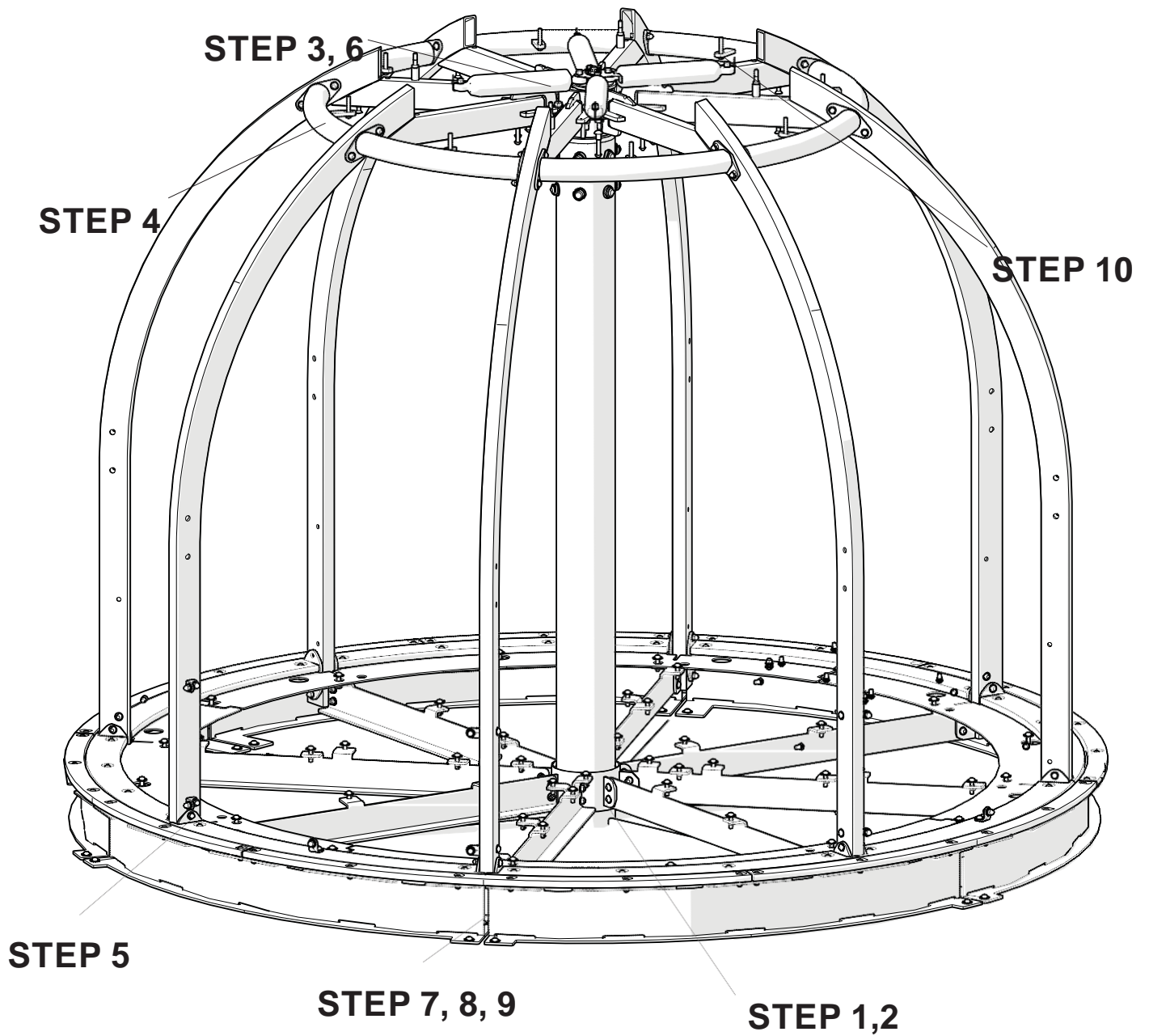
Compact Aggregate/
Concrete

NOTE: Level ribs with aggregate/ concrete. Don't allow compact aggregate/ concrete above ribs.

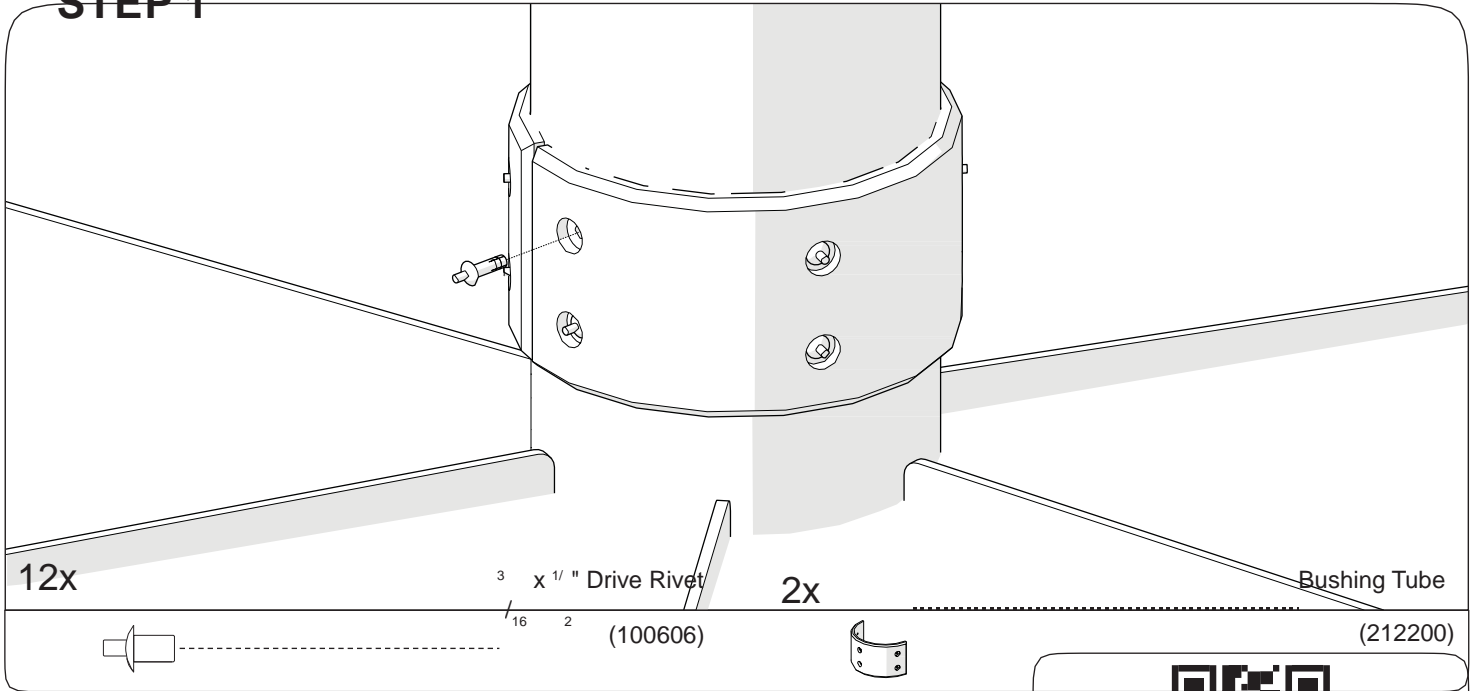




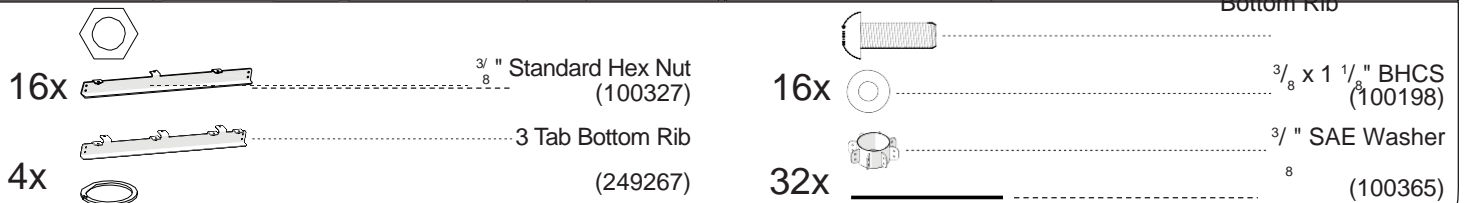
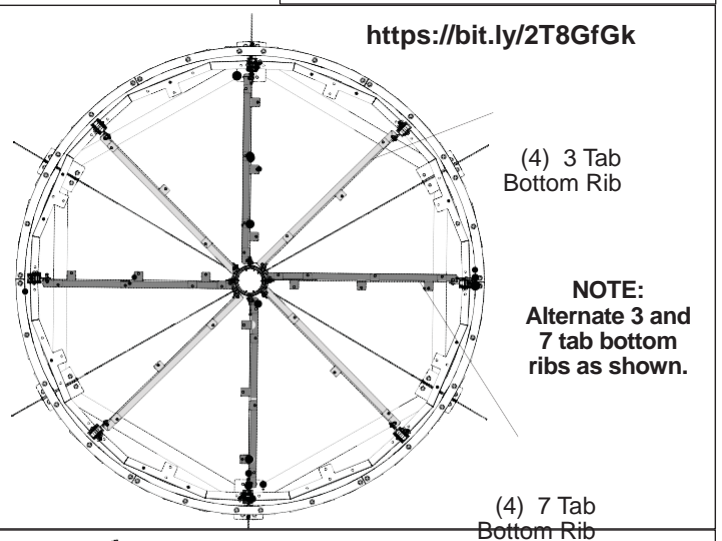
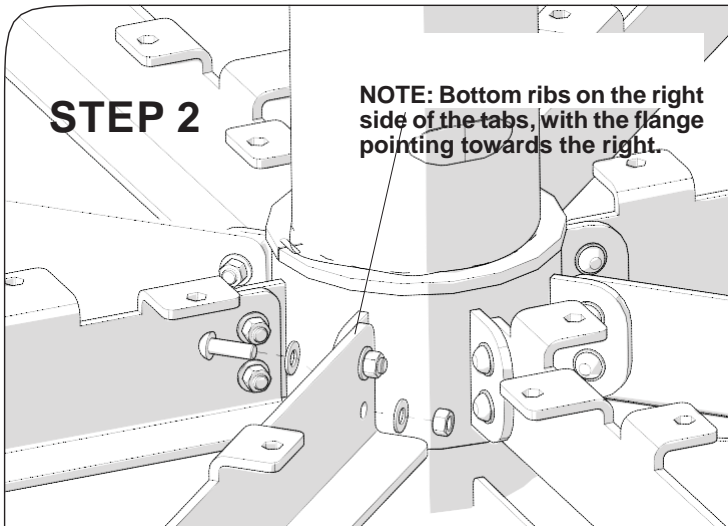
STRUCTURE



STEP 1



STEP 2



1x

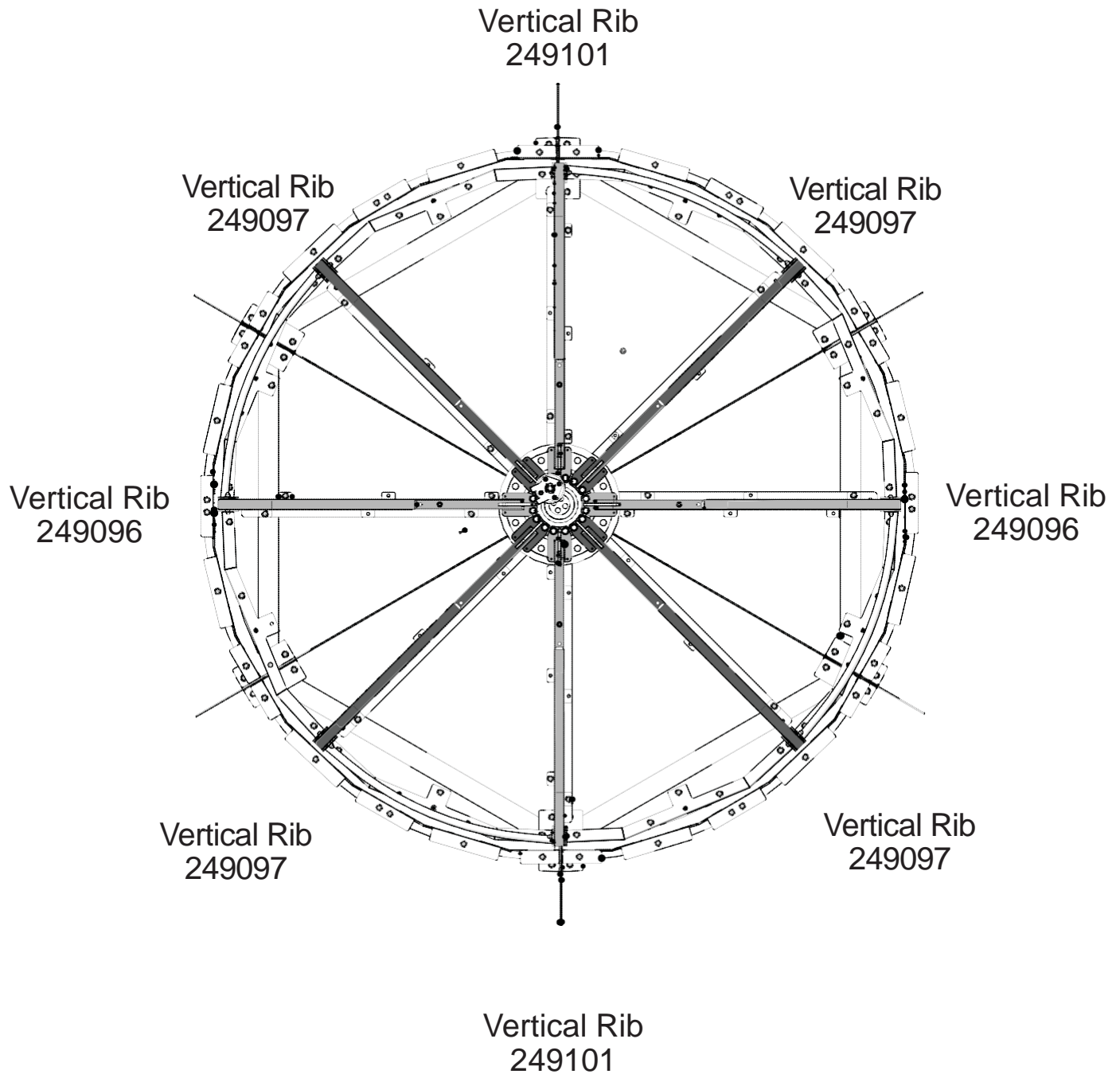
.....Global Motion Bushing Belt
(254468)

1x

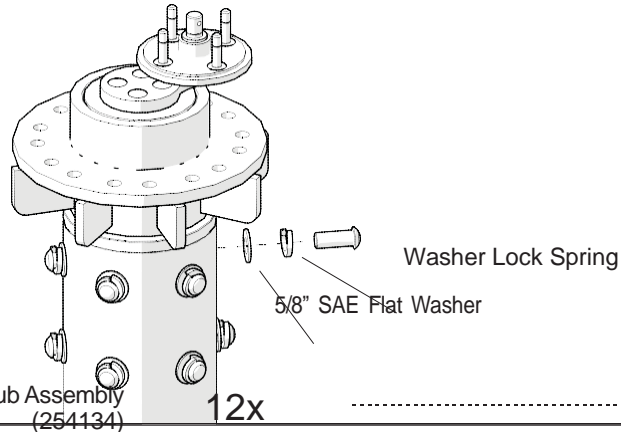
Bottom Rib Mount
(248520)
Cable Tie 5 - 3/4"
(109680)

REFERENCE FOR STEP 4

NOTE: Orientation of the Vertical ribs and
3 Tab/ 7 Tab Bottom ribs are independent
of each other.

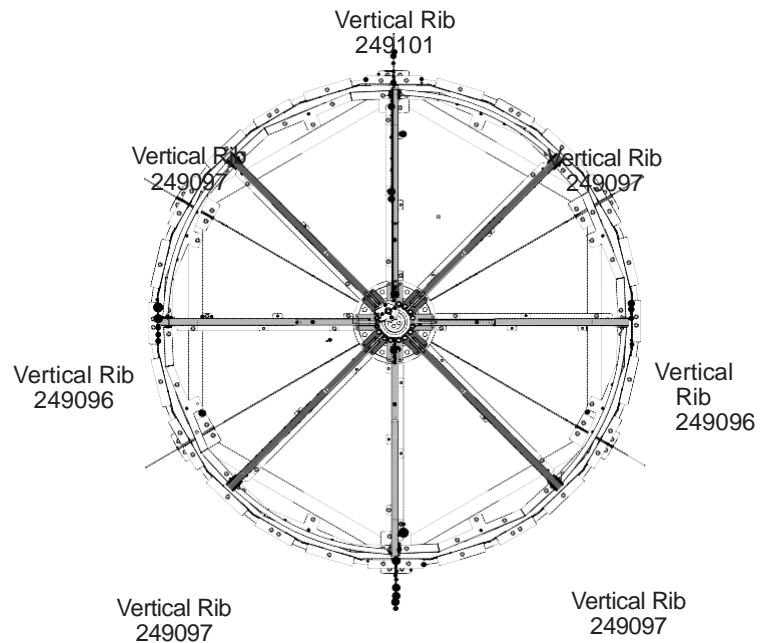
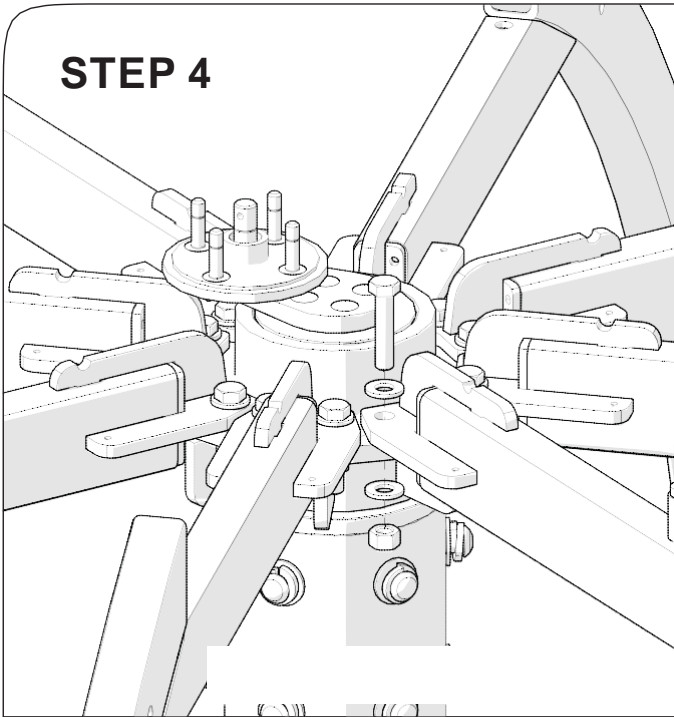


STEP 3



- 1x 1.25 Offset Bearing and Hub Assembly (254134)
- 12x 5/8" SAE Flat Washer (129500)
- 12 Washer Lock Spring (175652)

STEP 4

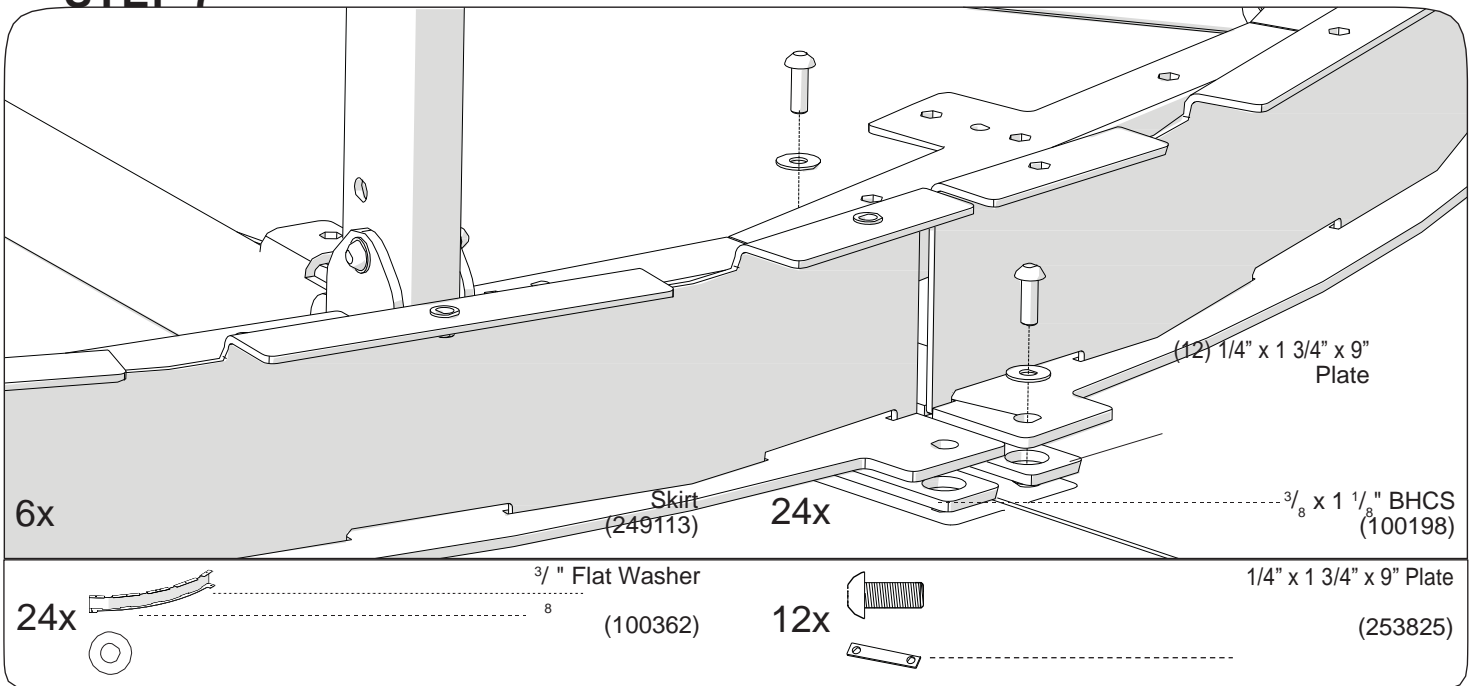


- NOTE: Do not tighten hardware in steps 2,4,5 and 6 until after step 6.**
- 2x Vertical Rib w/Pin and 1 Insert (249101)
- 4x Vertical Rib w/o Pin and 1 Insert (249097)
- 16x 1/2" Standard Hex Nut (129692)
- 2x Vertical Rib w/Pin and 4 Inserts (249096)

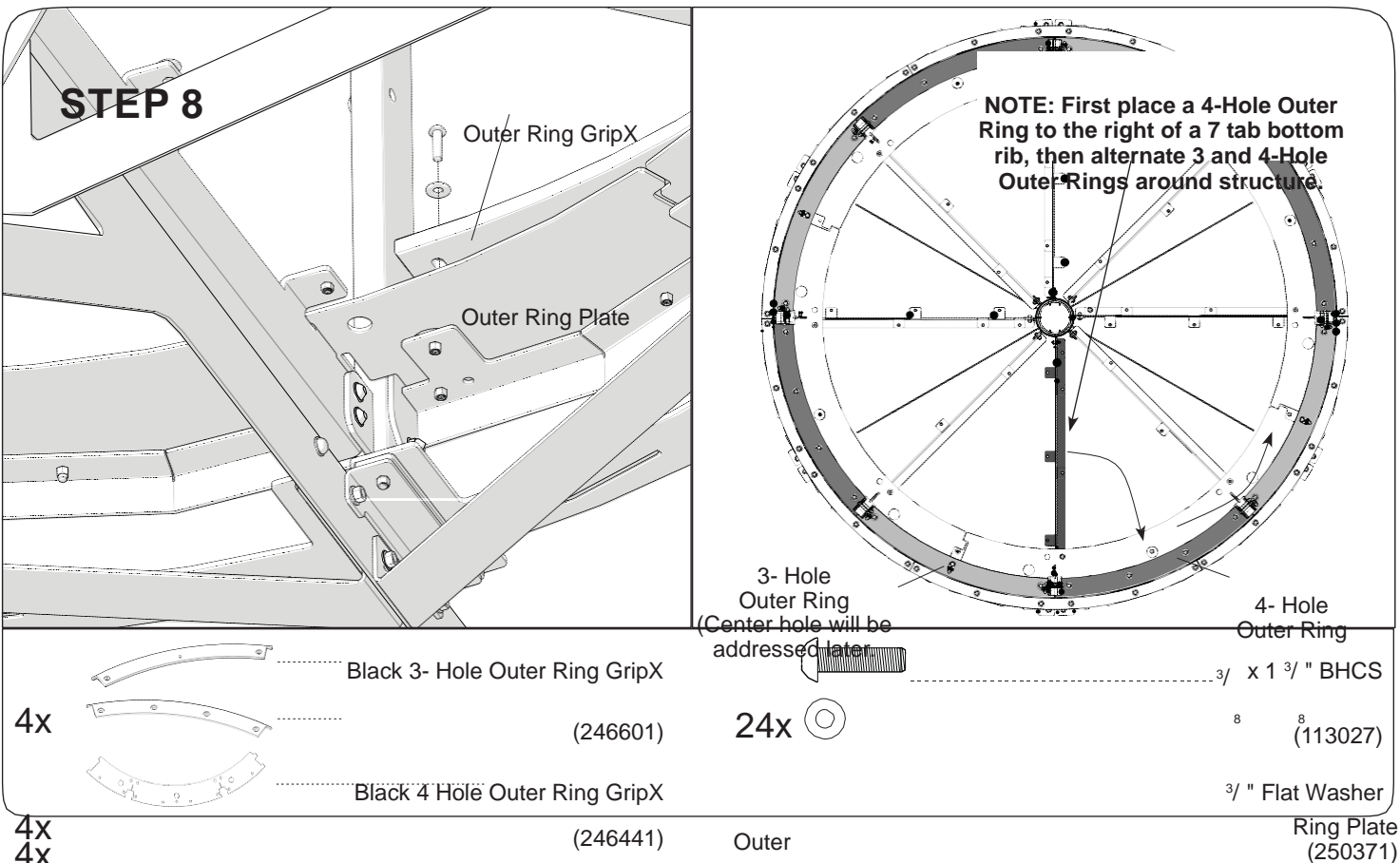
1/2" x
2 1/4"
Hex
Scre
w
(131
862)

1/2"
SAE
Was
her
(113
550)

STEP 7



STEP 8



4x
4x



<https://bit.ly/2DTsWVh>

STEP 9

NOTE: While placing GripX into place ensure gap doesn't exceed 5/16" while spinning. Alternate Outer Skirt Grip X A (258597) and B (258598).

Grey Outer Skirt
Grip X B (258598)

Grey Outer Skirt
Grip X A(258597)

- | | | | | |
|-----|--|--------------------------------------|--|---|
| 6x | | Grey Outer Skirt Grip X B (258598) | | $\frac{3}{4}$ x 1 $\frac{1}{2}$ " BHCS (100198) |
| 36x | | Grey Outer Skirt Grip X A (258597) | | |
| | | $\frac{3}{4}$ " Flat Washer (100362) | | |

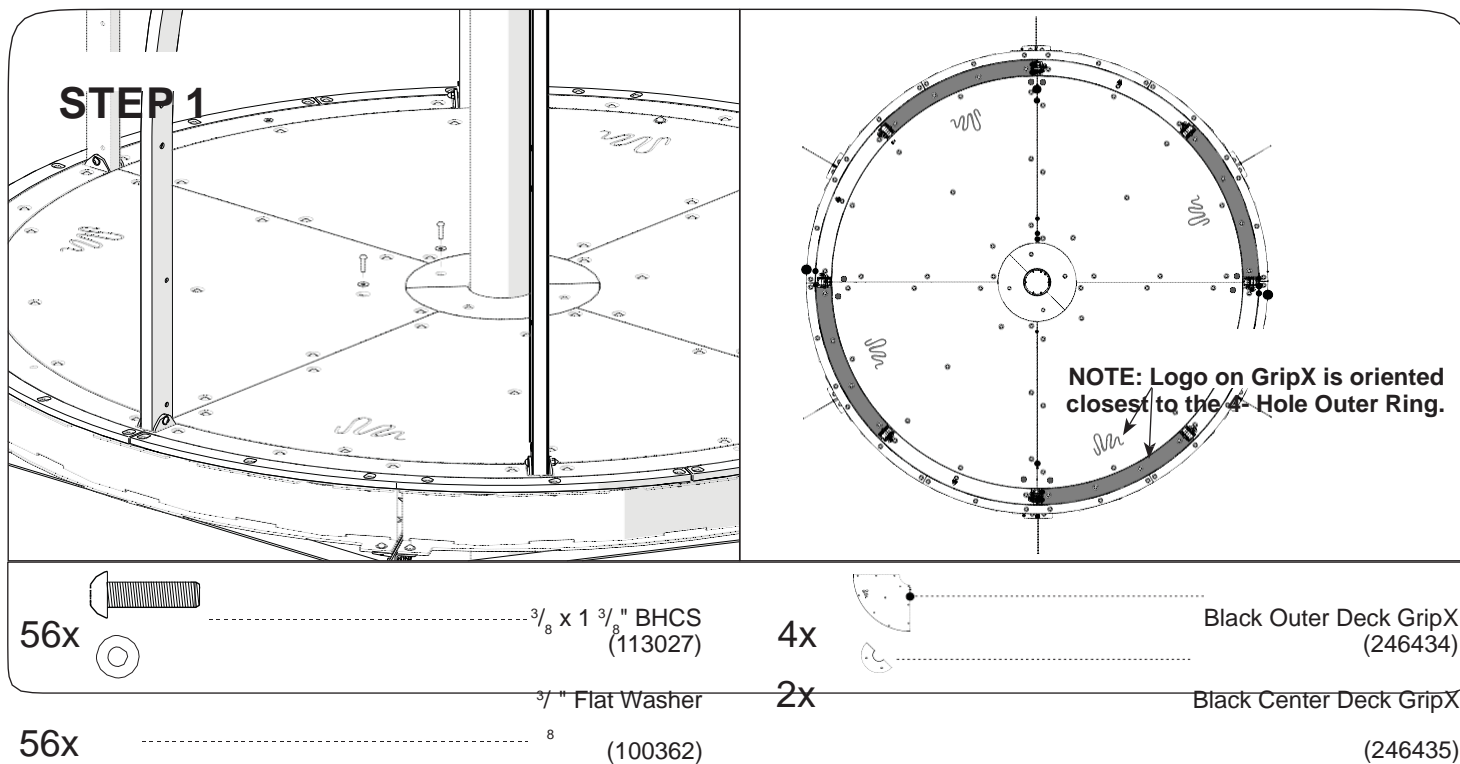
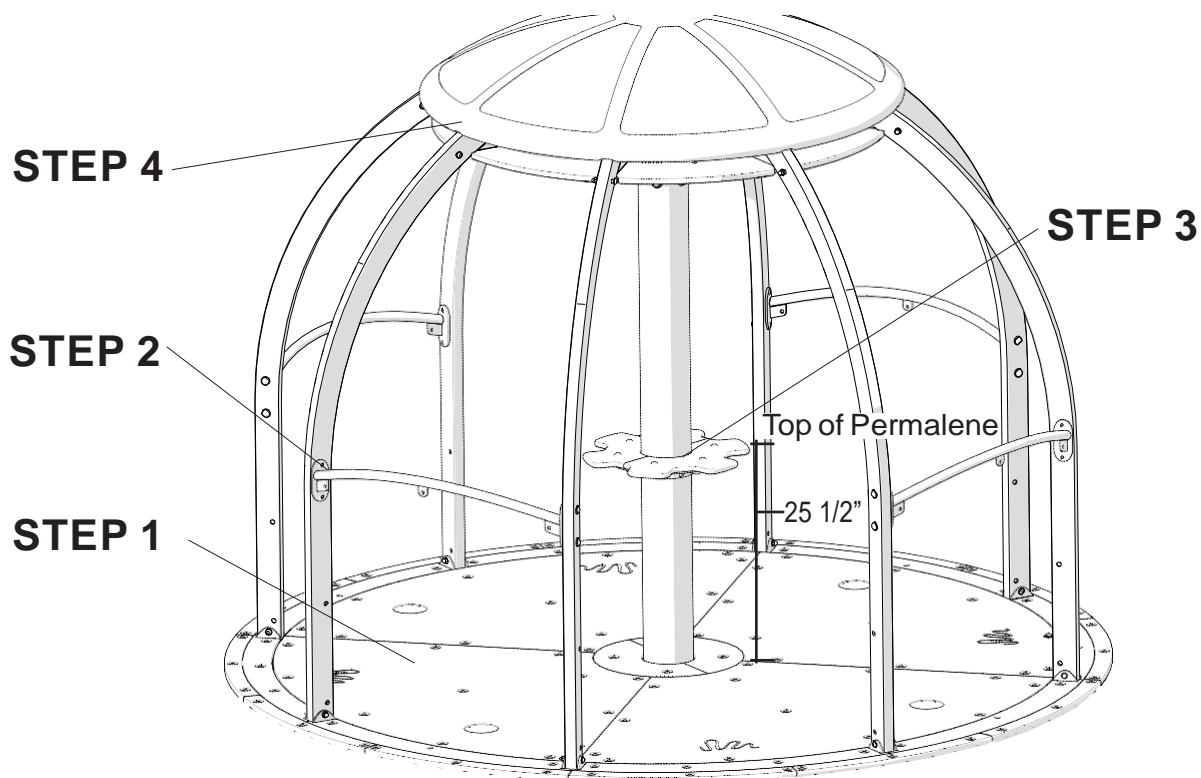
STEP 10

(8) $\frac{3}{8}$ Nylock Hex Nut

Hub Clamp

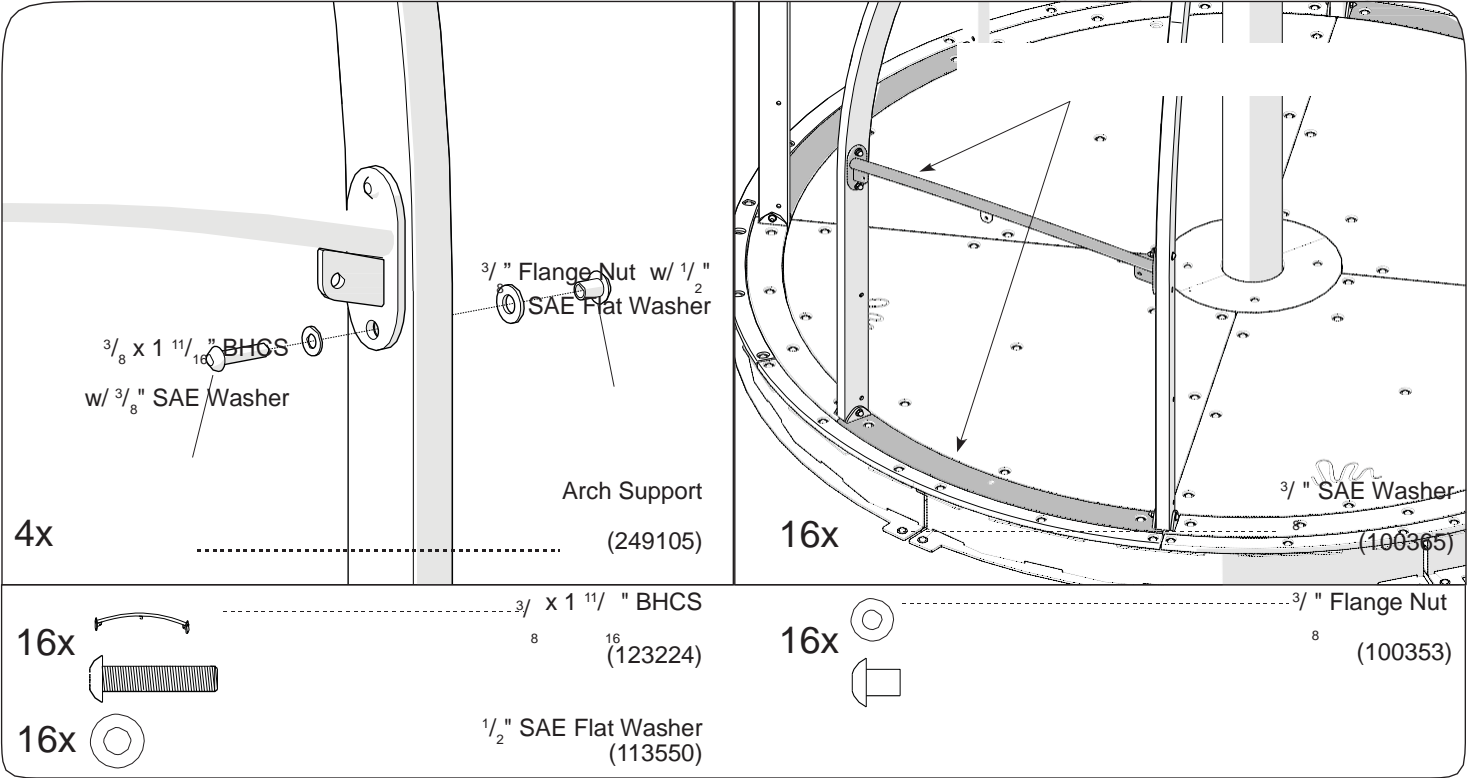
- | | | | | | |
|----|--|---------------------------------------|----|--|--------------------|
| 4x | | 70 Series Shock (215884) | 1x | | Hub Clamp (222306) |
| 8x | | $\frac{3}{8}$ Nylock Hex Nut (136931) | | | |

INTERIOR I



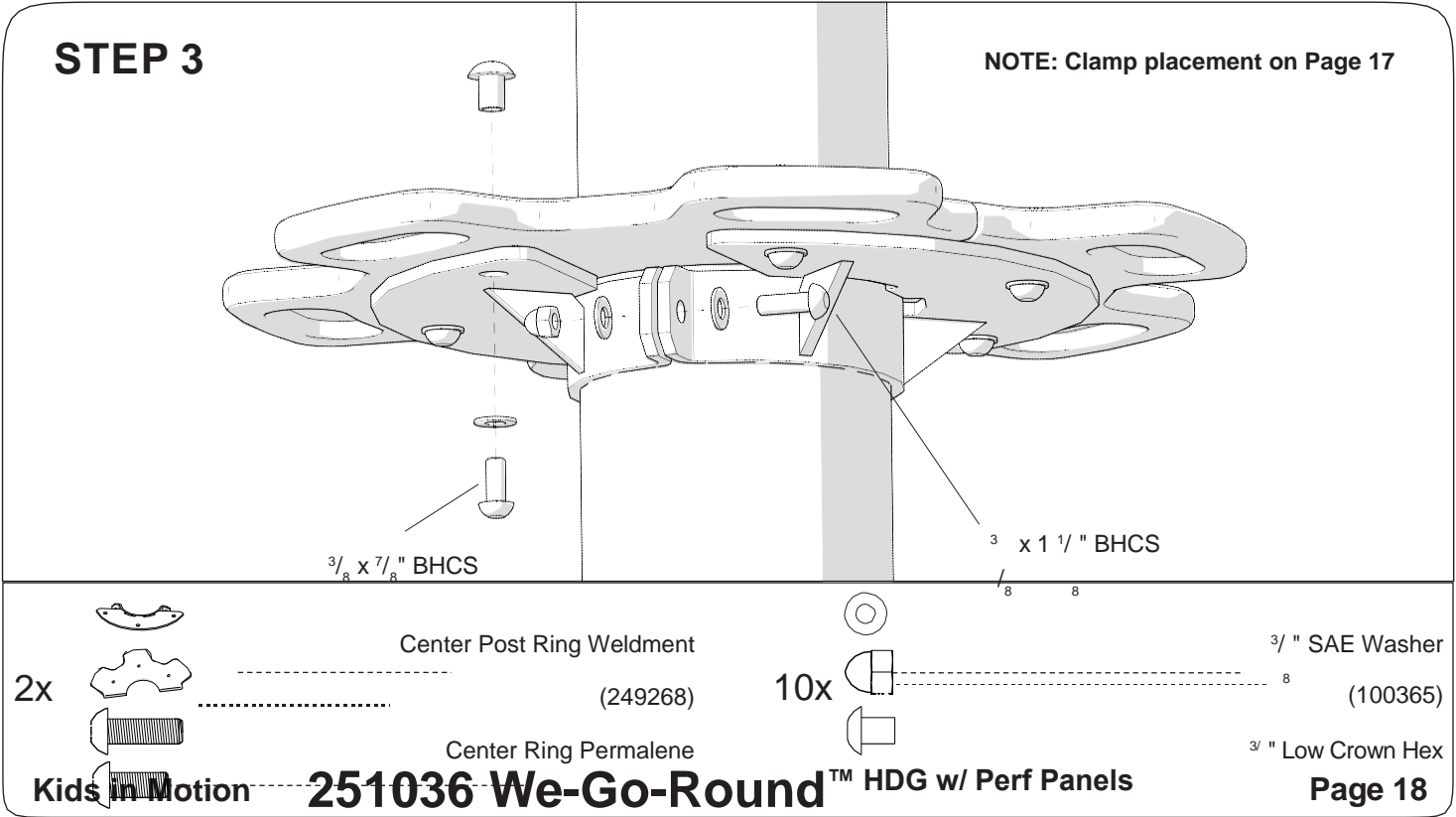
STEP 2

NOTE: Bars are aligned with 3-Hole
Outer Ring GripX #246601



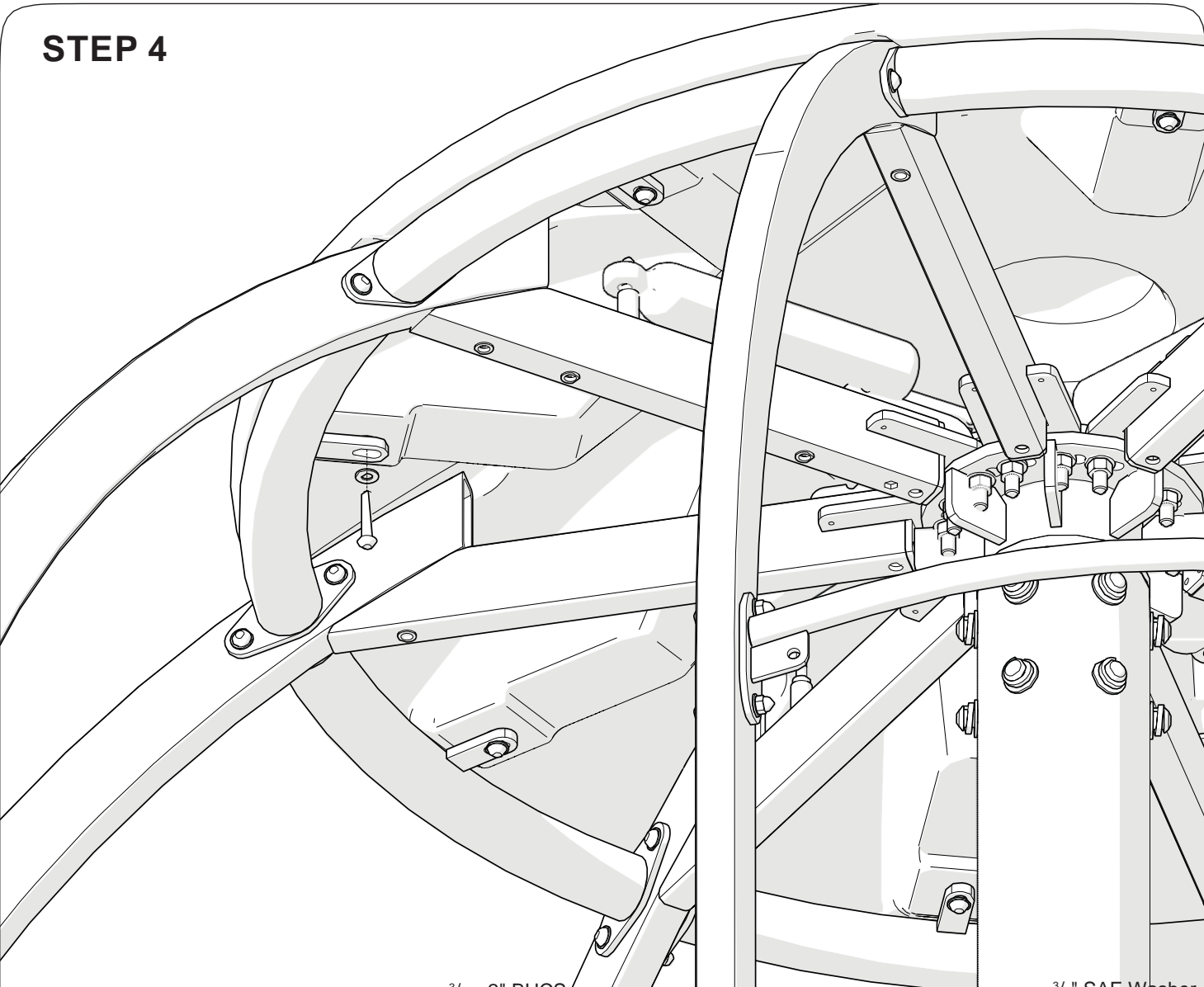
STEP 3




NOTE: Clamp placement on Page 17



| | | | | |
|--------------------------------|--|----|--|---------------------------|
| 2x landscape structures® | (246424) | 2x | - | ⁸ Nut (100349) |
| 2x | ----- ³ / ₈ x 1 ¹ / ₈ " BHCS (100198) | 6x | ----- ³ / ₈ " Flange Nut (100353) | |
| 6x | ³ / ₈ x ⁷ / ₈ " BHCS (100196) | | | |

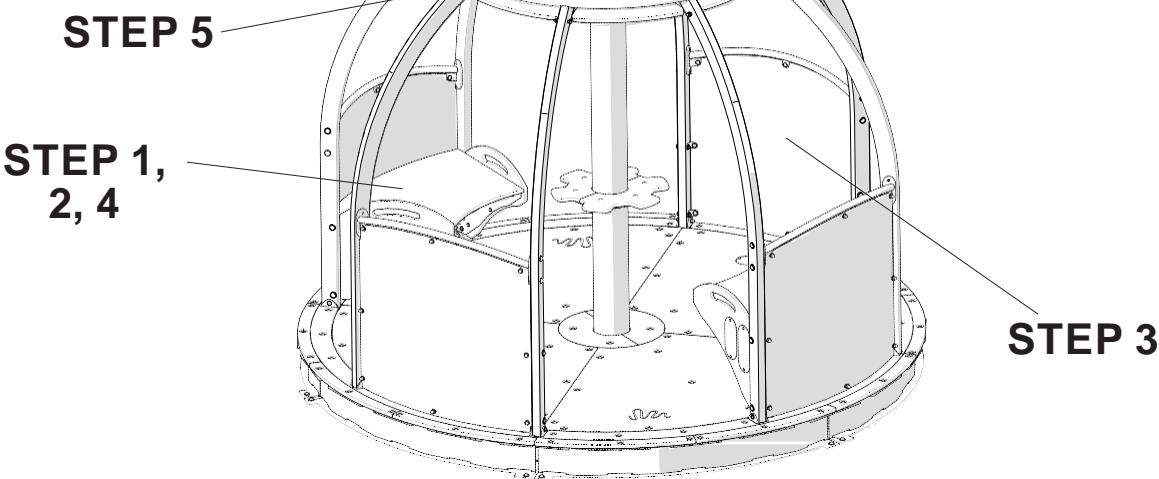
STEP 4



- 8x  $\frac{3}{8}$ x 2" BHCS $\frac{3}{8}$ (100173) 8x  $\frac{3}{8}$ " SAE Washer $\frac{3}{8}$ (100365)
- 1x  Spinner Top (215474)

INTERIOR II

NOTE: Document shows quantities
for 2 seat configuration. When as-
sembling a 3 seat configuration refer
to quantities in the bill of materials.



STEP 1

Seat Frame

Seat Frame Left

Seat Frame Right

(8) 3/8 x 1 11/16 " BHCS

(8) 3/8 x 7/8 " BHCS

(8) 3/8 " Flange Nut w/
1/2 " SAE Flat Washer

| | | | |
|----|-----------------------------|----|----------------------------------|
| 2x | Seat Frame (249116) | 2x | Seat Frame Right (249114) |
| 2x | Seat Frame Left (249115) | 8x | 3/8 x 7/8 " BHCS (100196) |
| | 3/8 " SAE Washer | 8x | 3/8 x 1 11/16 " BHCS (123224) |

24x

⁸
(100365)

⁸ 16

.....¹/₂" SAE Flat Washer

8x

²
(113550)

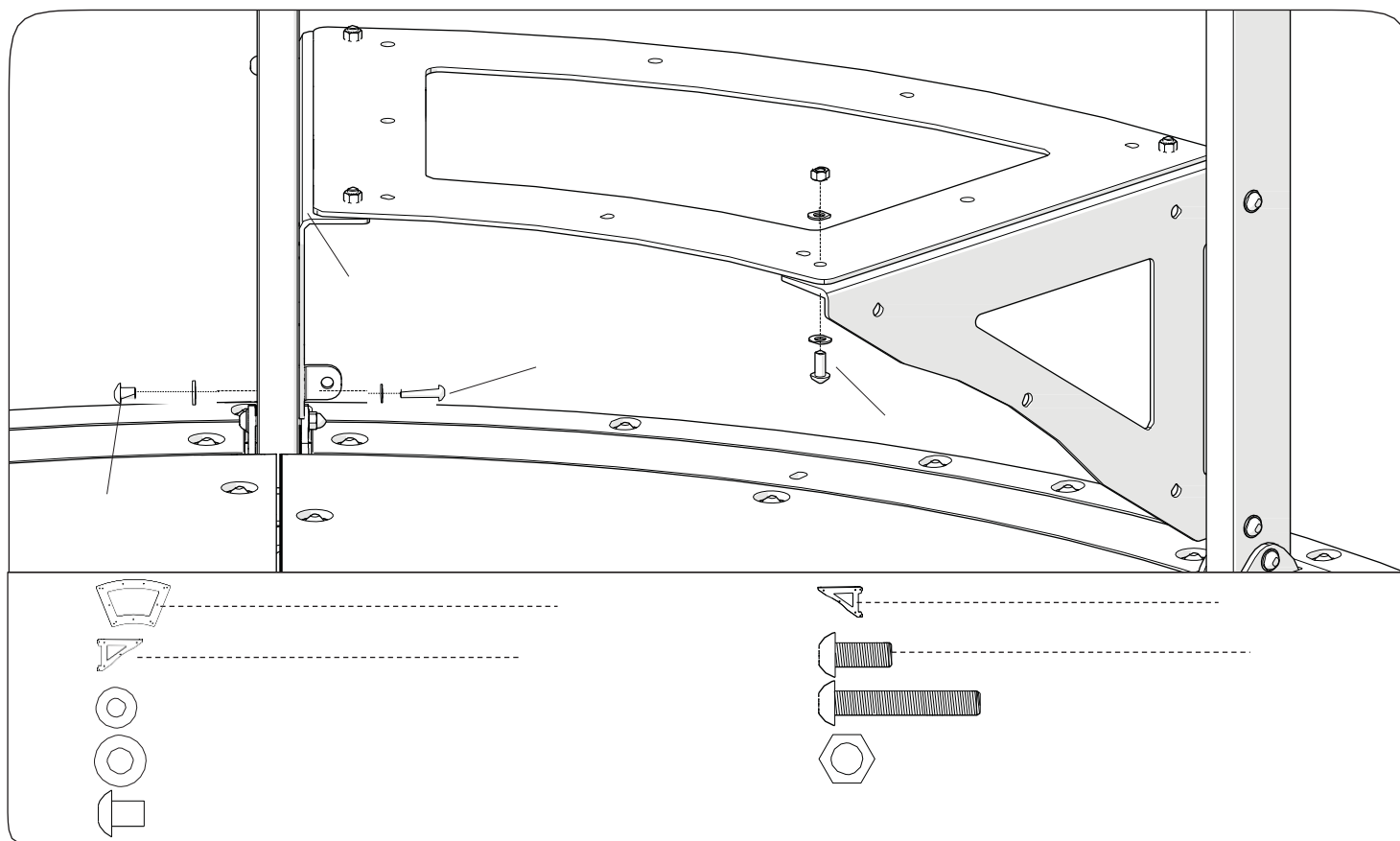
8x

.....³/₈" Standard Hex Nut

⁸
(100327)

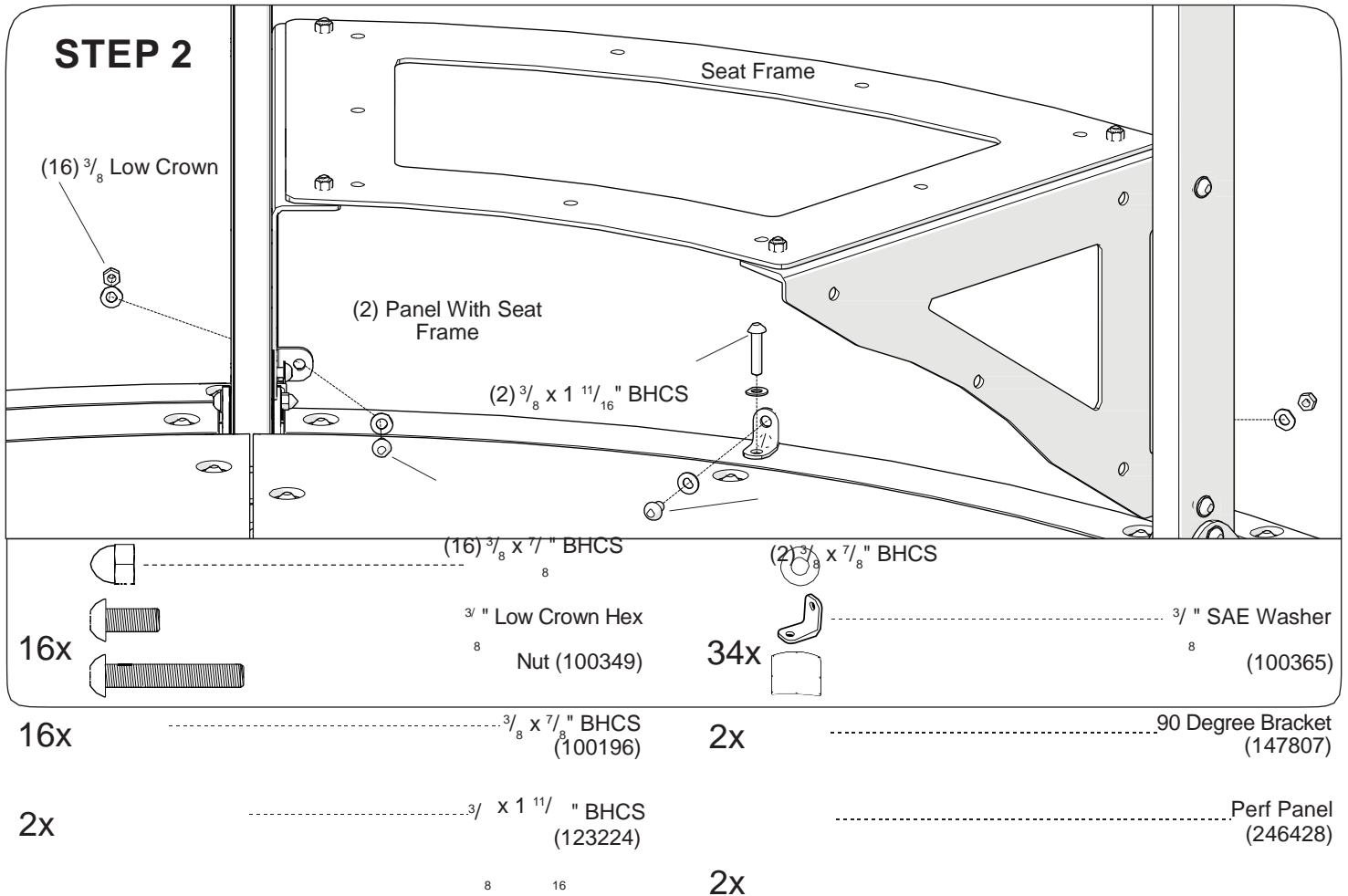
8x

.....³/₈" Flange Nut
⁸
(100353)

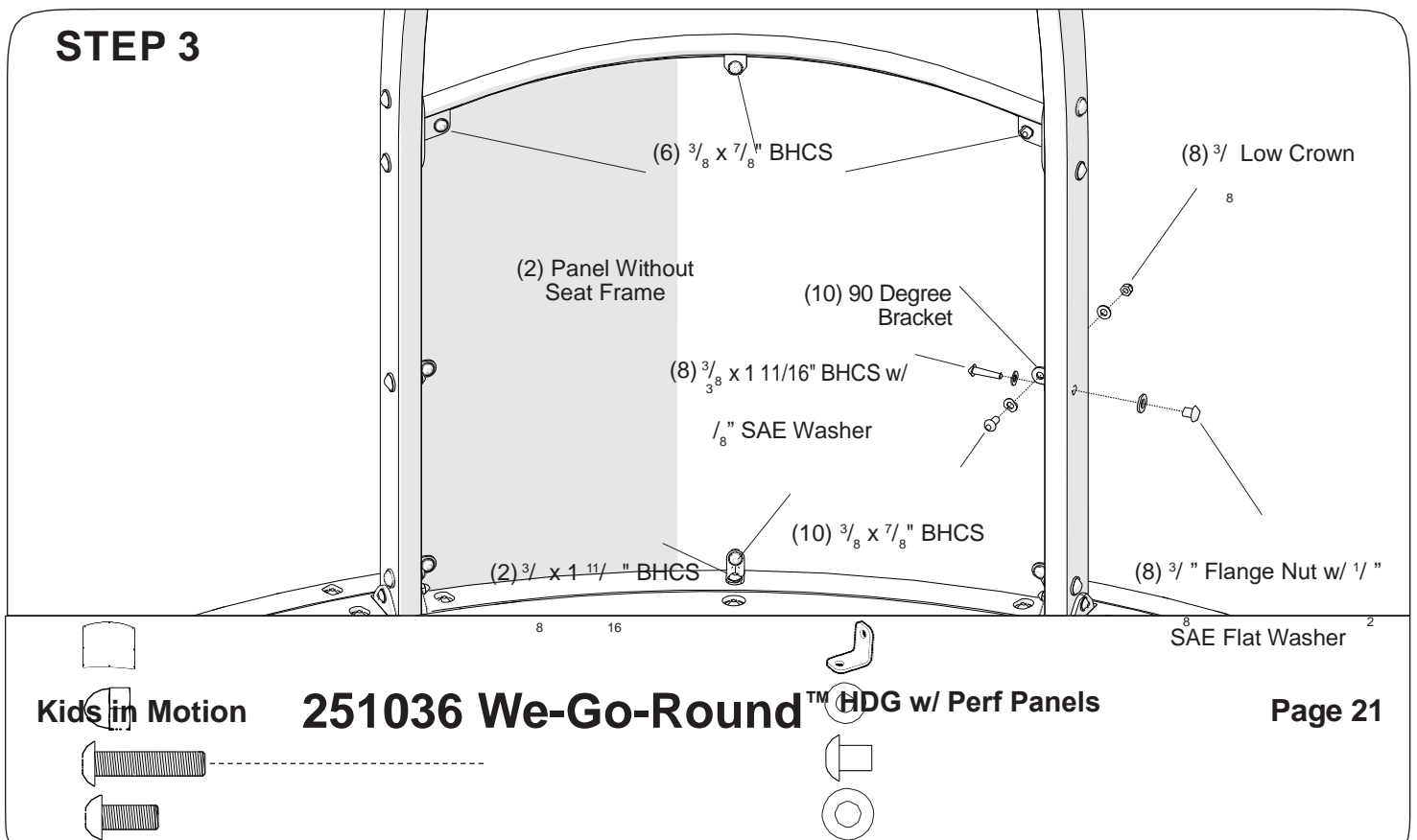


NOTE: Document shows quantities
for 2 seat configuration. When as-
sembling a 3 seat configuration refer
to quantities in the bill of materials.

STEP 2



STEP 3



| | | | | | |
|-----|---------|--|-----|-------|---|
| 2x | | Perf Panel (246428) | 10x | | 90 Degree Bracket (147807) |
| 16x | — | ³ / ₈ " Low Crown Hex Nut (100349) | 42x | | ³ / ₈ " SAE Washer (100365) |
| 10x | | / | 8x | | ³ / ₈ " Flange Nut (100353) |
| 16x | | ⁸ / ₁₆ x 1 ¹¹ / ₈ " BHCS (123224) | 8x | | ¹ / ₂ " SAE Flat Washer (113550) |
| | | ³ / ₈ x ⁷ / ₈ " BHCS (100196) | | | |

STEP 4

**NOTE: Do not use impact on
5/16 x 3/4" BHCS**

(2) #14 x 3/4" BHCS Torx
(127872)

Parking Label
(257592) **(This label
to be located where
there is no seat)**

2-12 Yrs Play Safe Warning
Plate Flat Large(251343)

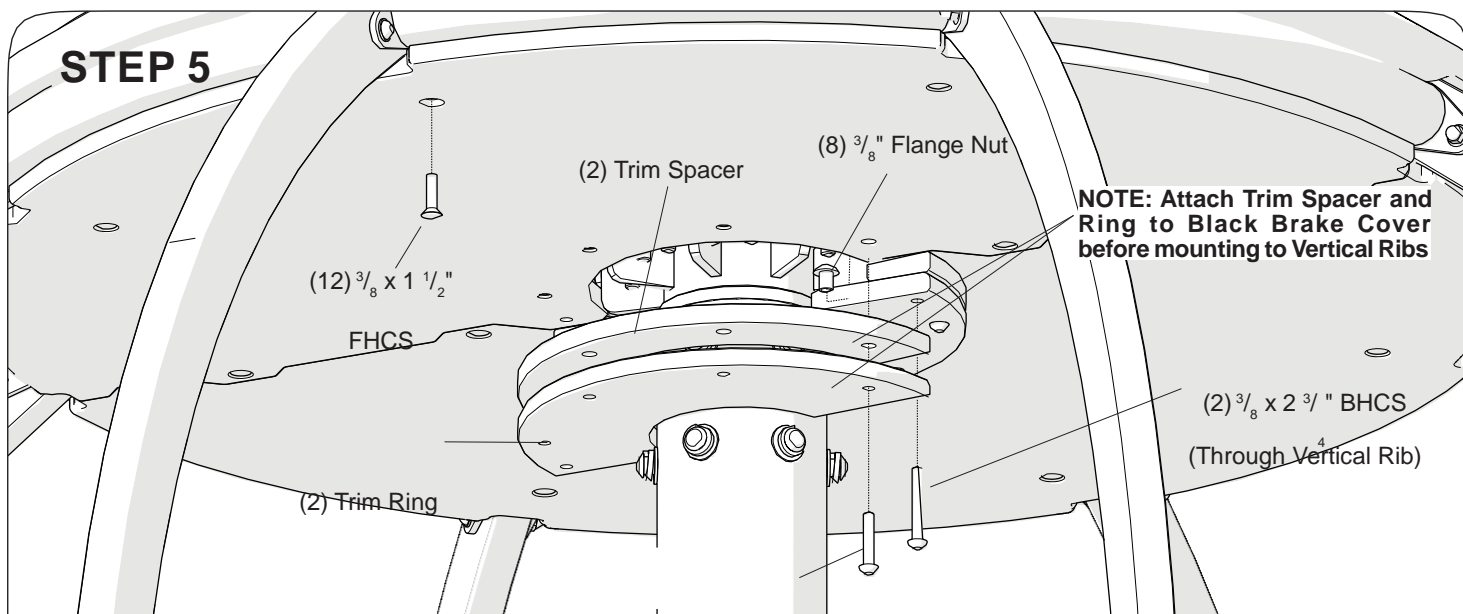
(4) #14 x 3/4" BHCS Torx
(127872)

(34) 5/16 x 3/4" BHCS Torx
(223807)

We-Go-Round No Climb/
Parking Label(257590)

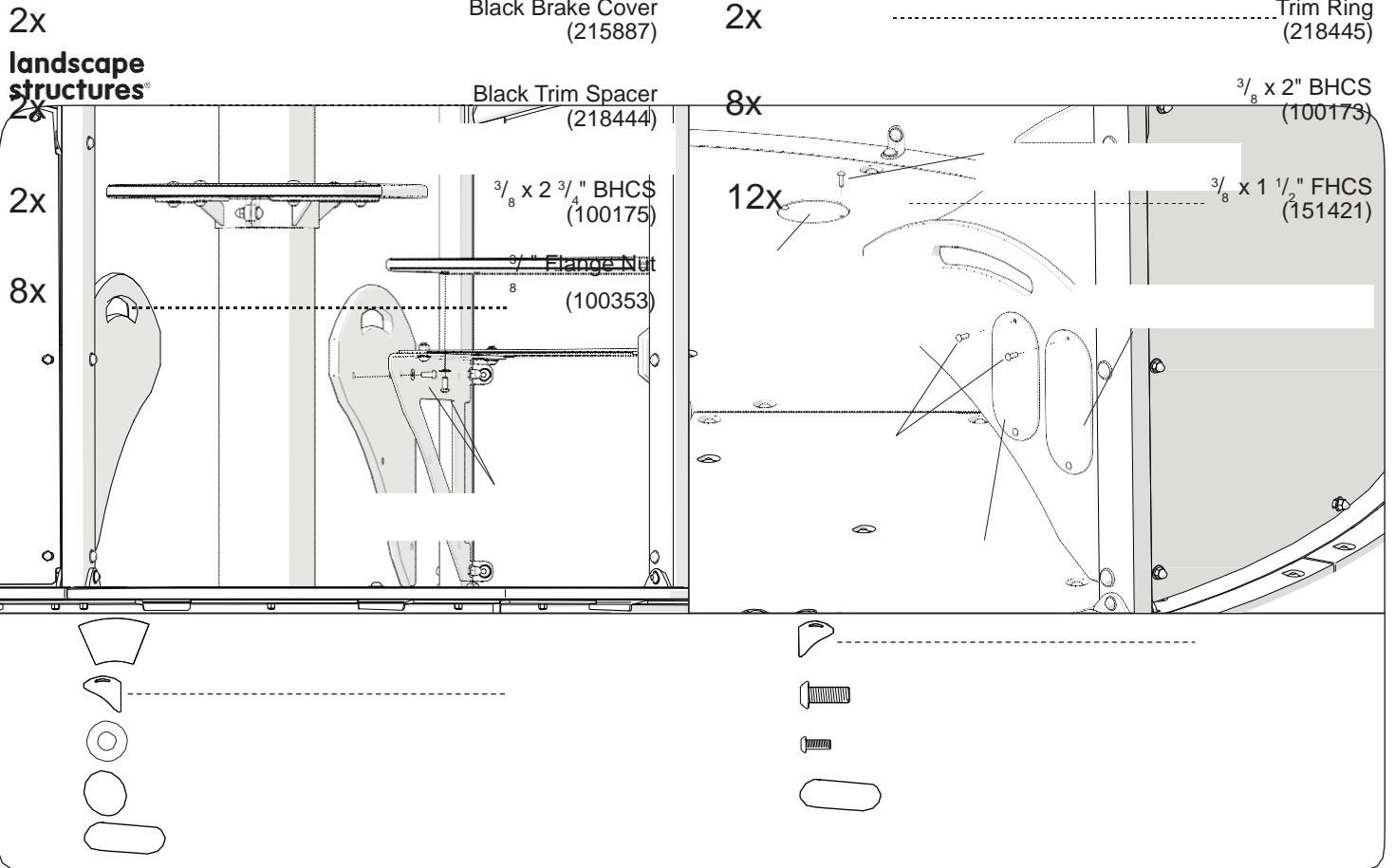
| | | | |
|-----|--|-----|---|
| 2x | Seat Top (246425) | 2x | Seat Panel Right (246427) |
| | Seat Panel Left | | 5/16 x 3/4" BHCS Torx |
| 2x | (246426) | 34x | (223807) |
| | 5/16" SAE Flat Washer | 6x | #14 x 3/4" BHCS Torx |
| 34x | (223956) | | (127872) |
| 1x | Parking Label (257592) | 1x | 2-12 Yrs Play Safe Warning Plate Flat Large (251343) |
| 1x | Warning No Climb/Parking Label (257590) | | |

STEP 5



(8) 3/8 x 2" BHCS

(To Flange Nuts)



Kids In Motion 251036 We-Go-Round™ HDG w/Perf Panels

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Parts List - 2 Seat Option

| Part# | Description | Qty. |
|---------------|--|----------|
| 147807 | Angle Brkt Pnt, Dark Matte Grey..... | 12 |
| 212200 | Bushing Uhmw 6I Tube | 2 |
| 215474 | Globe Spinner Top Roto, Specify Color..... | 1 |
| 215887 | Globe Brake Cover, Black..... | 2 |
| 254134 | 1.25 Offse Bearing + Hub Asm | 1 |
| 218444 | Trim Spacer Globe, Black | 2 |
| 218445 | Trim Ring Globe, Black | 2 |
| 222306 | Global Motion® Hub Clamp Sst..... | 1 |
| 222399 | #3 Rebar X 18I..... | 2 |
| 226880 | Globe Pipe Bot W/O Net Galv | 8 |
| 246424 | Ctr Ring Perm, Specify Color | 2 |
| 246425 | Seat Pnl Top, Specify Color | 2 |
| 246426 | Seat Pnl Lh, Specify Color | 2 |
| 246427 | Seat Pnl Rh, Specify Color | 2 |
| 246428 | Perf Pnl Pnt, Dark Matte Grey | 4 |
| 246434 | Main Deck Gripx, Black | 4 |
| 246435 | Ctr Deck Gripx, Black | 2 |
| 246441 | Otr Ring Perm 4 Hole, Black | 4 |
| 246601 | Otr Ring Perm With Tab Slot, Black | 4 |
| 258597 | Otr Skirt Gripx A, Gray in color..... | 6 |
| 258598 | Otr Skirt Gripx B, Gray in color..... | 6 |
| 248520 | Btm Rib Mnt Machined | 1 |
| 249096 | Vert Rib With Mtg Pin 4 Inserts Galv..... | 2 |
| 249097 | Vert Rib Wout Mtg Pin Galv | 4 |
| 249101 | Vert Rib With Mtg Pin 1 Insert Galv | 2 |
| 249103 | Horiz Btm Sprt Weldt Galv | 8 |
| 249105 | Arch Pnl Sprt Weldt Galv..... | 4 |
| 249106 | 7 Flg Btm Rib Galv | 4 |
| 249107 | 3 Flg Btm Rib Galv | 4 |
| 249110 | Otr Ring Plt Galv | 4 |
| 249112 | Ctr Post Ring Weldt Galv | 2 |
| 249113 | Otr Skirt Weldt Galv | 6 |
| 249114 | Seat Frm Rh Galv..... | 2 |
| 249115 | Seat Frm Lh Galv..... | 2 |
| 249116 | Seat Frm Plt Galv..... | 2 |
| 249117 | Rib Clmp, Install Weldt Galv | 4 |
| 249118 | Rib, Install Galv | 6 |
| 249119 | Rib Ftr, Install Galv..... | 6 |
| 249120 | Rib Brkt, Install Galv | 12 |
| 249121 | 6.0 Od X .25 X 119.5I Post Galv..... | 1 |
| 250643 | 4" X 300I Perf Drain Pipe..... | 1 |
| 250644 | 4" Flexible Drain Tee | 1 |
| 250645 | 4" Drain Cap | 2 |
| 251007 | 4" Drain Coupler..... | 2 |
| 215884 | 70 Series Shock..... | 4 |
| 253825 | 9" Plate, HDG | 12 |
| 254468 | Global Motion Bushing Belt, Black | 1 |
| 250568 | Hdw Pkg We-Go-Round Rib Plates Asm..... | 1 |
| 100206 | Hex Cap 3/8X1i Sst Pat..... | 36 |
| 100208 | Hex Cap 3/8X1-1/2 Sst Pat | 4 |
| 100327 | Nut Hex Std 3/8-16 Sst | 40 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 82 |
| 100610 | Rivet 1/4X5/8I Drv As | 2 |
| 168198 | Lag Scr Bh 6Lp 3/8X1-1/2I | 2 |
| 253850 | Hdw Pkg We-Go-Round Skirt Asm | 1 |
| 100198 | Bhcs 6Lp 3/8X1-1/8I Sst..... | 60 |
| 100362 | Washer Flat 3/8I Sst | 60 |

| | | |
|---------------|---|----------|
| 258583 | Hdw Pkg We-Go-Round Hub/Bushings..... | 1 |
| 100201 | Bhcs 6Lp 5/8X1-1/2I Sst..... | 12 |
| 100606 | Rivet 3/16X1/2I Drv Aa | 12 |
| 109680 | Cable Tie 5-3/4I Black | 1 |
| 129500 | Washer Flat Sae 5/8I Sst..... | 12 |
| 136931 | Nut Hex Nylok 3/8-16 Sst..... | 8 |
| 175652 | Washer Lock Spring 5/8I Sst..... | 12 |
| 250580 | Hdw Pkg We-Go-Round Frame Asm | 1 |
| 100174 | Bhcs 6Lp 3/8X2-1/2Istpat | 32 |
| 100198 | Bhcs 6Lp 3/8X1-1/8I Sst | 32 |
| 100327 | Nut Hex Std 3/8-16 Sst..... | 32 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 32 |
| 100365 | Washer Flat Sae 3/8I Sst | 128 |
| 113550 | Washer Flat Sae 1/2I Sst | 32 |
| 129692 | Nut Hex Std 1/2-13 Sstpat | 16 |
| 131862 | Hex Cap 1/2X2-1/4 Sst..... | 16 |
| 250586 | Hdw Pkg We-Go-Round Brake Cover | 1 |
| 100173 | Bhcs 6Lp 3/8X2i Sst Pat | 16 |
| 100175 | Bhcs 6Lp 3/8X2-3/4I Sst..... | 2 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst..... | 8 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 8 |
| 151421 | Fhcs 6Lp 3/8X1-1/2Ist W/Patch | 12 |
| 250587 | Hdw Pkg We-Go-Round Perf Panel W/O Seat..... | 2 |
| 100196 | Bhcs 6Lp 3/8X7/8I Sst | 8 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 8 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst..... | 8 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 25 |
| 113550 | Washer Flat Sae 1/2I Sst..... | 8 |
| 123224 | Bhcs 6Lp 3/8X1-11/16I Sst | 9 |
| 250588 | Hdw Pkg We-Go-Round Perf Panel W/Seat..... | 2 |
| 100196 | Bhcs 6Lp 3/8X7/8I Sst | 12 |
| 100327 | Nut Hex Std 3/8-16 Sst..... | 4 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 8 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst..... | 8 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 33 |
| 113550 | Washer Flat Sae 1/2I Sst..... | 8 |
| 123224 | Bhcs 6Lp 3/8X1-11/16I Sst | 9 |
| 148680 | Bit 5/16 6-Lobe T40 Tamp | 1 |
| 223807 | Bhcs 6Lp 5/16I -18 X 3/4I Sst..... | 17 |
| 223956 | Washer Flat Sae 5/16I Sst | 17 |
| 258581 | Hdw Pkg We-Go-Round Decking..... | 1 |
| 100362 | Washer Flat 3/8I Sst..... | 80 |
| 113027 | Bhcs 6Lp 3/8X1-3/8I Sst | 80 |
| 250590 | Hdw Pkg We-Go-Round Center Ring | 1 |
| 100196 | Bhcs 6Lp 3/8X7/8I Sst..... | 6 |
| 100198 | Bhcs 6Lp 3/8X1-1/8I Sst..... | 2 |
| 100349 | Nut L/C Cap 3/8-16 Sst..... | 2 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst..... | 6 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 10 |
| 258556 | Hdw Pkg We-Go-Round Labels | 1 |
| 127463 | Bit Hex Tpp T27 (Torx) | 1 |
| 127872 | Bhcs Torx #14 X 3/4 Sst Thread Type Ab..... | 8 |
| 251343 | 2-12 Yrs Play Safe Warning Plate Flat Large..... | 1 |
| 257590 | No Climb/Parking Plate..... | 1 |
| 257592 | Parking Plate | 2 |

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Kids In Motion 251036 We-Go-Round™ HDG w/Perf Panels

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Parts List - 3 Seat Option

| Part# | Description | Qty. |
|---------------|--|----------|
| 147807 | Angle Brkt Pnt, Dark Matte Grey..... | 8 |
| 212200 | Bushing Uhmw 6I Tube | 2 |
| 215474 | Globe Spinner Top Roto, Specify Color..... | 1 |
| 215887 | Globe Brake Cover, Black..... | 2 |
| 254134 | 1.25 Offse Bearing + Hub Asm..... | 1 |
| 218444 | Trim Spacer Globe, Black..... | 2 |
| 218445 | Trim Ring Globe, Black | 2 |
| 222306 | Global Motion® Hub Clamp Sst | 1 |
| 222399 | #3 Rebar X 18I | 2 |
| 226880 | Globe Pipe Bot W/O Net Galv | 8 |
| 246424 | Ctr Ring Perm, Specify Color | 2 |
| 246425 | Seat Pnl Top, Specify Color | 3 |
| 246426 | Seat Pnl Lh, Specify Color | 3 |
| 246427 | Seat Pnl Rh, Specify Color | 3 |
| 246428 | Perf Pnl Pnt, Dark Matte Grey | 4 |
| 246434 | Main Deck Gripx, Black | 4 |
| 246435 | Ctr Deck Gripx, Black | 2 |
| 246441 | Otr Ring Perm 4 Hole, Black | 4 |
| 246601 | Otr Ring Perm With Tab Slot, Black | 4 |
| 258597 | Otr Skirt GripX A, Gray in color | 6 |
| 258598 | Otr Skirt GripX B, Gray in color | 6 |
| 248520 | Btm Rib Mnt Machined | 1 |
| 249096 | Vert Rib With Mtg Pin 4 Inserts Galv | 2 |
| 249097 | Vert Rib Wout Mtg Pin Galv | 4 |
| 249101 | Vert Rib With Mtg Pin 1 Insert Galv | 2 |
| 249103 | Horiz Btm Sprrt Weldt Galv | 8 |
| 249105 | Arch Pnl Sprrt Weldt Galv..... | 4 |
| 249106 | 7 Flg Btm Rib Galv..... | 4 |
| 249107 | 3 Flg Btm Rib Galv..... | 4 |
| 249110 | Otr Ring Plt Galv..... | 4 |
| 249112 | Ctr Post Ring Weldt Galv..... | 2 |
| 249113 | Otr Skirt Weldt Galv | 6 |
| 249114 | Seat Frm Rh Galv..... | 3 |
| 249115 | Seat Frm Lh Galv..... | 3 |
| 249116 | Seat Frm Plt Galv..... | 3 |
| 249117 | Rib Clmp, Install Weldt Galv | 4 |
| 249118 | Rib, Install Galv | 6 |
| 249119 | Rib Ftr, Install Galv..... | 6 |
| 249120 | Rib Brkt, Install Galv..... | 12 |
| 249121 | 6.0 Od X .25 X 119.5I Post Galv..... | 1 |
| 250643 | 4" X 300I Perf Drain Pipe..... | 1 |
| 250644 | 4" Flexible Drain Tee | 1 |
| 250645 | 4" Drain Cap..... | 2 |
| 251007 | 4" Drain Coupler..... | 2 |
| 215884 | 70 Series Shock..... | 4 |
| 253825 | 9" Plate, HDG..... | 12 |
| 254408 | Global Motion Bushing Belt, Black | 1 |
| 250568 | Hdw Pkg We-Go-Round Rib Plates Asm..... | 1 |
| 100206 | Hex Cap 3/8X1I Sst Pat..... | 36 |
| 100208 | Hex Cap 3/8X1-1/2 Sst Pat | 4 |
| 100327 | Nut Hex Std 3/8-16 Sst | 40 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 82 |
| 100610 | Rivet 1/4X5/8I Drv As | 2 |
| 168198 | Lag Scr Bh 6Lp 3/8X1-1/2I | 2 |
| 253850 | Hdw Pkg We-Go-Round Skirt Asm | 1 |
| 100198 | Bhcs 6Lp 3/8X1-1/8I Sst..... | 60 |
| 100362 | Washer Flat 3/8I Sst | 60 |
| 258583 | Hdw Pkg We-Go-Round Hub/Bushings | 1 |
| 100201 | Bhcs 6Lp 5/8X1-1/2I Sst | 12 |
| 100606 | Rivet 3/16X1/2I Drv Aa | 12 |
| 109680 | Cable Tie 5-3/4I Black | 1 |
| 129500 | Washer Flat Sae 5/8I Sst | 12 |
| 136931 | Nut Hex Nylok 3/8-16 Sst. | 8 |
| 175652 | Washer Lock Spring 5/8I Sst | 12 |
| 250580 | Hdw Pkg We-Go-Round Frame Asm | 1 |
| 100174 | Bhcs 6Lp 3/8X2-1/2Istpat | 32 |
| 100198 | Bhcs 6Lp 3/8X1-1/8I Sst | 32 |
| 100327 | Nut Hex Std 3/8-16 Sst..... | 32 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 32 |
| 100365 | Washer Flat Sae 3/8I Sst | 128 |
| 113550 | Washer Flat Sae 1/2I Sst | 32 |
| 129692 | Nut Hex Std 1/2-13 Sstpat | 16 |
| 131862 | Hex Cap 1/2X2-1/4 Sst..... | 16 |
| 250586 | Hdw Pkg We-Go-Round Brake Cover | 1 |
| 100173 | Bhcs 6Lp 3/8X2i Sst Pat | 16 |
| 100175 | Bhcs 6Lp 3/8X2-3/4I Sst..... | 2 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst..... | 8 |
| 100365 | Washer Flat Sae 3/8I Sst..... | 8 |
| 151421 | Fhcs 6Lp 3/8X1-1/2Ist W/Patch | 12 |
| 250587 | Hdw Pkg We-Go-Round Perf Panel W/O Seat | 1 |
| 100196 | Bhcs 6Lp 3/8X7/8I Sst | 8 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 8 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst | 8 |
| 100365 | Washer Flat Sae 3/8I Sst | 25 |
| 113550 | Washer Flat Sae 1/2I Sst | 8 |
| 123224 | Bhcs 6Lp 3/8X1-11/16I Sst | 9 |
| 250588 | Hdw Pkg We-Go-Round Perf Panel W/Seat | 3 |
| 100196 | Bhcs 6Lp 3/8X7/8I Sst | 12 |
| 100327 | Nut Hex Std 3/8-16 Sst | 4 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 8 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst | 8 |
| 100365 | Washer Flat Sae 3/8I Sst | 33 |
| 113550 | Washer Flat Sae 1/2I Sst | 8 |
| 123224 | Bhcs 6Lp 3/8X1-11/16I Sst | 9 |
| 148680 | Bit 5/16 6-Lobe T40 Tamp | 1 |
| 223807 | Bhcs 6Lp 5/16I -18 X 3/4I Sst | 17 |
| 223956 | Washer Flat Sae 5/16I Sst | 17 |
| 258581 | Hdw Pkg We-Go-Round Decking | 1 |
| 100362 | Washer Flat 3/8I Sst | 80 |
| 113027 | Bhcs 6Lp 3/8X1-3/8I Sst | 80 |
| 250590 | Hdw Pkg We-Go-Round Center Ring | 1 |
| 100196 | Bhcs 6Lp 3/8X7/8I Sst | 6 |
| 100198 | Bhcs 6Lp 3/8X1-1/8I Sst | 2 |
| 100349 | Nut L/C Cap 3/8-16 Sst | 2 |
| 100353 | Flg Nut 6Lp 3/8-16 Sst | 6 |
| 100365 | Washer Flat Sae 3/8I Sst | 10 |
| 258558 | Hdw Pkg We-Go-Round Labels | 1 |
| 127463 | Bit Hex Tpp T27 (Torx) | 1 |
| 127872 | Bhcs Torx #14 X 3/4 Sst Thread Type Ab | 6 |
| 251343 | 2-12 Yrs Play Safe Warning Plate Flat Large | 1 |
| 257590 | No Climb/Parking Plate | 1 |
| 257592 | Parking Plate | 1 |

DB = Direct Bury

Kids In Motion 251036 We-Go-Round™ HDG w/Perf Panels

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Specifications

| | |
|----------------------------------|---|
| Center Post: | 6.000" (152 mm) O.D. x (.250")(6,35 mm) wall HR Black D.O.M. Steel Tube. Finish: Hot dip galvanized |
| Shock: | 70 Series. |
| GripX Platform: | 3/4" (19,05 mm) Thick recycled Permalene®, black in color. |
| Brake Cover: | Recycled Permalene, black in color. |
| Mounting Hub Assembly: | Comprised of 1/2" (12,7 mm) thick stainless steel plate, 11 Ga. (.120")(3,05 mm) stainless steel sheet, steel bearing shaft. |
| Fasteners: | Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications) |
| Bottom Rib: | 7GA. (.179")(4,54 mm) Thick HRPO steel plate. Finish: Hot dip galvanized |
| Middle & Bottom Pipe: | Weldment comprised of 2.375" (60,32 mm) O.D. RS20 (.095"-.105")(2,41 mm-2,66 mm) galvanized steel tube, 1/4" (6,35 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel tab. Finish: Hot dip galvanized |
| Base Bushing: | Oil-Filled UHMW PE. |
| Spinner Top: | Rotationally molded from U.V. stabilized linear low density polyethylene, color specified |
| Rib: | Weldment comprised of 1.5" (38, 1 mm) x 3.0" (76, 2 mm) x (.180" (4, 57 mm) wall HRPO steel tube, 3/8" (9, 52 mm) thick stainless steel tab, 3/8" (9, 52 mm) O.D. stainless steel pin. 3/8" (9, 52 mm) thick HRPO steel plate with 1/4" (6, 35 mm) thick HRPO steel plate. Finish: Hot Dip Galvanized |
| Bottom Mount: | Weldment comprised of 7.000" (177 mm) O.D. x .188" (4, 77 mm) wall stainless steel tube and 1/4" (6, 35 mm) thick stainless steel plate. |
| Seat Permalene Panels: | 3/4" thick recycled permalene, specify color |
| Seat Frame: | Comprised of 7 GA (.179") (4, 54 mm) thick HRPO steel plate. Finish: Hot Dip Galvanized |
| Drain Pipe : | Comprised of 4" x 25' polypropylene perforated pipe. |

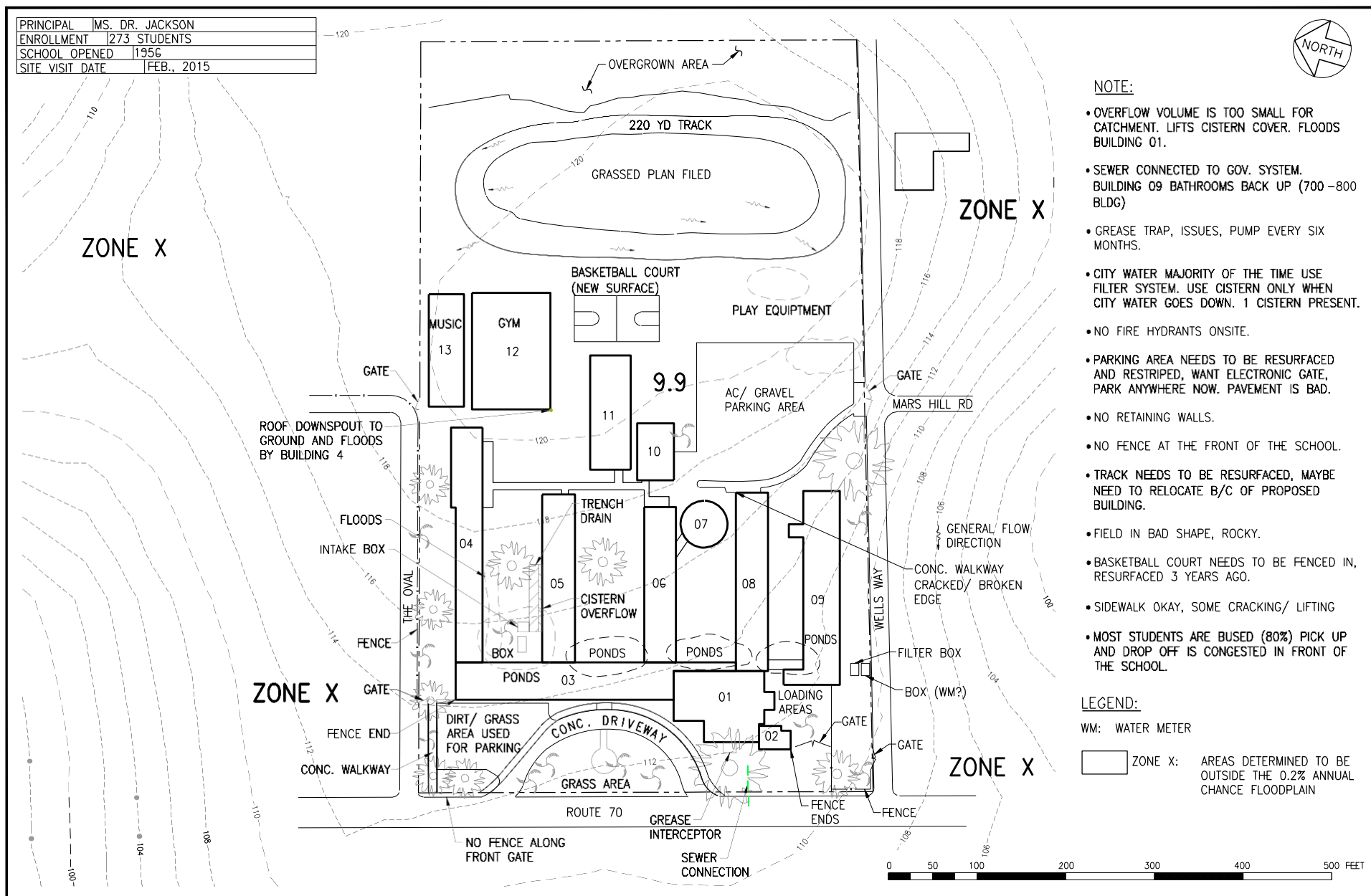
| | |
|---------------------------|--|
| Installation Time: | DB - Approx. 40 person hours |
| Concrete Req.: | DB - Approx. 2.07 yards - Square Footer DB - Approx. 1.5 yards. - If concrete is chosen in Foundation II - Step 4 detail. |
| Weight: | DB 2 Seat - 2103 lbs. DB 3 Seat - 2161 lbs. |
| Minimum Area Req.: | DB - 20' 10" (6.35 m) |
| Fall Height: | DB - 40" |


HHF PLANNERS
places for people

Austin Tsutsumi
& ASSOCIATES, INC.
Engineers & Surveyors

21

DISCLAIMER: SITE PLAN FEATURES ARE CONCEPTUAL AND NOT INTENDED FOR DESIGN PURPOSES



| | |
|-----------------|----------------|
| PRINCIPAL | MR. DR. JOSEPH |
| ENROLLMENT | 353 STUDENTS |
| SCHOOL OPENED | |
| SITE VISIT DATE | FEB., 2015 |



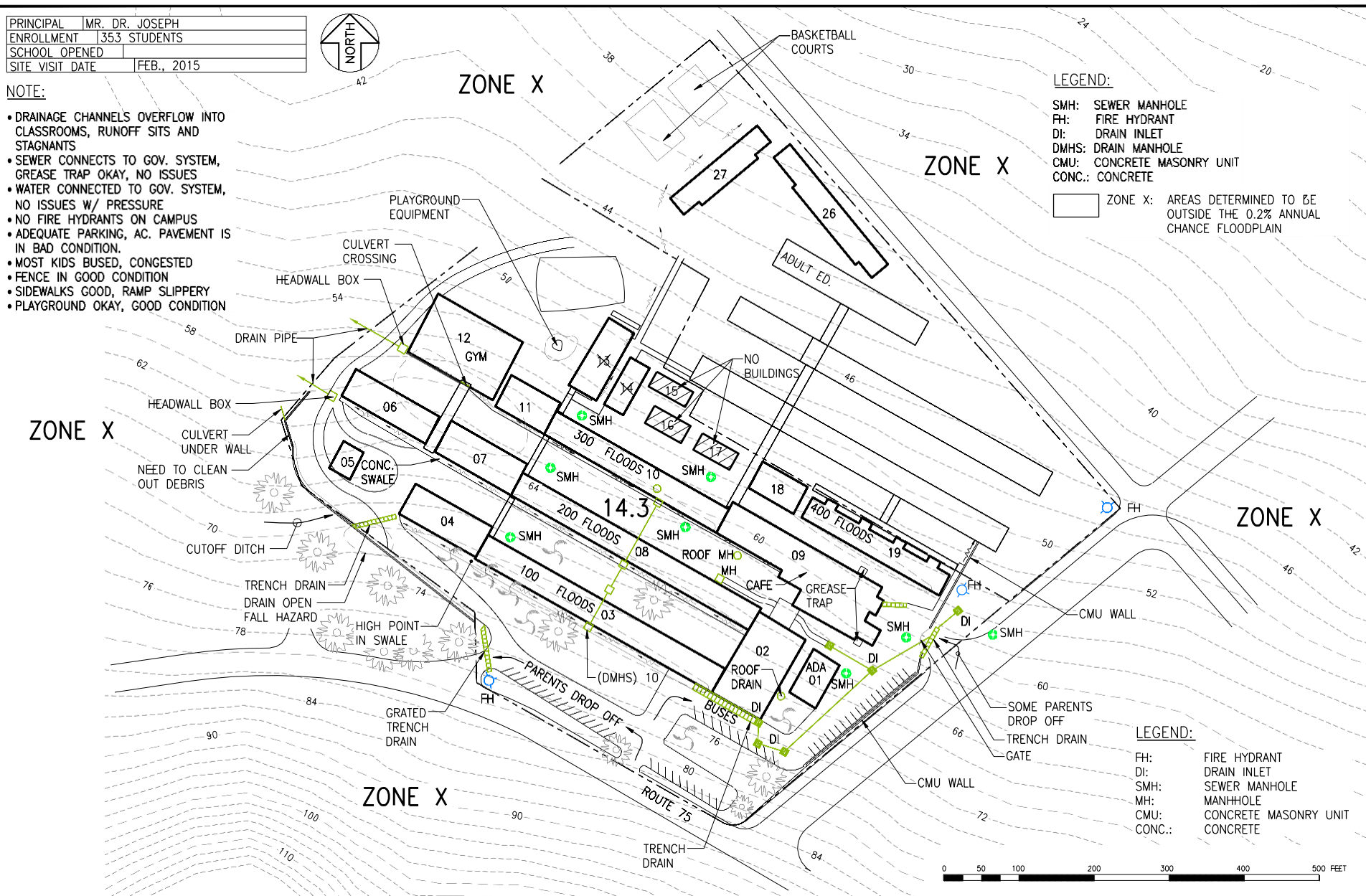
NOTE:

- DRAINAGE CHANNELS OVERFLOW INTO CLASSROOMS, RUNOFF SITS AND STAGNANTS
- SEWER CONNECTS TO GOV. SYSTEM, GREASE TRAP OKAY, NO ISSUES
- WATER CONNECTED TO GOV. SYSTEM, NO ISSUES W/ PRESSURE
- NO FIRE HYDRANTS ON CAMPUS
- ADEQUATE PARKING, AC. PAVEMENT IS IN BAD CONDITION.
- MOST KIDS BUSED, CONGESTED
- FENCE IN GOOD CONDITION
- SIDEWALKS GOOD, RAMP SLIPPERY
- PLAYGROUND OKAY, GOOD CONDITION

LEGEND:

SMH: SEWER MANHOLE
 FH: FIRE HYDRANT
 DI: DRAIN INLET
 DMHS: DRAIN MANHOLE
 CMU: CONCRETE MASONRY UNIT
 CONC.: CONCRETE

ZONE X: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN



LEGEND:

FH: FIRE HYDRANT
 DI: DRAIN INLET
 SMH: SEWER MANHOLE
 MH: MANHOLE
 CMU: CONCRETE MASONRY UNIT
 CONC.: CONCRETE



OIA – ASSESSMENT OF BUILDINGS
 AND CLASSROOMS
 US VIRGIN ISLANDS – ST. CROIX



FIGURE

26

JUANITA GARDINE ELEMENTARY SCHOOL

DISCLAIMER: SITE PLAN FEATURES ARE CONCEPTUAL AND NOT INTENDED FOR DESIGN PURPOSES