

VILLAGE OF ROYAL PALM BEACH, FLORIDA

PROJECT NAME: **CRESTWOOD NORTH PARK**

PROJECT NUMBER: **PR2102**

ADDENDUM NUMBER: THREE

DATE OF ISSUANCE: July 7, 2023

TO: Prospective Bidders

THIS ADDENDUM NO. Three INCLUDES THE FOLLOWING:

- 1) Delete Sheet I-2
- 2) Delete Addendum 2 sheets: I-4, BF-20.0 thru BF-20.6
- 3) Add Addendum 3 sheets: I-2, I-4, BF-20.1 thru BF-20.7
- 4) Add the following sheets to the Supplemental Conditions: SC-106.1 thru SC-106.6
- 5) Add the following sheets to the Specifications: P-1 thru P-219

APPROVED BY: Christopher A. Marsh, P.E., Village Engineer

ACKNOWLEDGMENT OF RECEIPT: _____

Bidder

ADD-3

INDEX

TITLE	SECTION	# OF PAGES
COVER		1
INDEX	I	2
INDEX OF DRAWINGS	ID	1
INVITATION TO BID	INV	1
INSTRUCTIONS TO BIDDERS	IB	9
BID FORM	BF	10
BID PROPOSAL FORM	BP	2
BID BOND	BB	2
CONTRACTORS QUALIFICATION FORM	CQF	6
TRENCH SAFETY AFFIDAVIT	TSA	1
SCHEDULE OF SUBCONTRACTORS	SUB	1
SWORN STATEMENT	SS	2
TRUTH IN NEGOTIATIONS	TN	1
DRUG FREE WORK PLACE CERTIFICATE	DF	1
CERTIFICATION STATUTE 215.4725	CS	1
E-VERIFY AFFIDAVIT	EV	1
NOTICE OF AWARD	NA	1
CONTRACT	C	3
PUBLIC CONSTRUCTION BOND	PCB	2
NOTICE TO PROCEED	NP	1
GENERAL CONDITIONS	GC	44
SUPPLEMENTARY CONDITIONS	SC	21

PROJECT GENERAL REQUIREMENTS

SECTION 01010 SUMMARY OF WORK	PG	3
SECTION 01050 FIELD ENGINEERING AND SURVEYING	PG	1
SECTION 01300 SUBMITTALS AND PROGRESS SCHEDULES	PG	5

092500-Gypsum Board	092500	6
099000-Painting	099000	4
MUSCO LIGHTING INSTALLATION SPECIFICATIONS	M	41
MIRACLE PLAYScape INSTALLATION INSTRUCTIONS	P	219

APPENDICES

APPENDIX A - MUSCO LIGHTING COMPONENTS THAT WILL BE PROVIDED BY OWNER	AP-A	4
SOILS REPORT	AP-B	14
EXISTING IRRIGATION PLANS	AP-C	4
PAVILION / SHADE STRUCTURE / PLAYScape COMPONENTS THAT WILL BE PROVIDED BY OWNER	AP-D	12

BID PROPOSAL FORM

Project Name: Crestwood North Park					
Project Number: PR2102					
Item No.	Description	UNITS	QTY	UNIT COST	EXTENDED COST
101.001	Mobilization*	LS	1		
102.001	Maintenance of Traffic	LS	1		
104.010	SEDIMENT BARRIER	LF	1968		
104.015	SOIL TRACKING PREVENTION DEVICE	EA	1		
104.018	INLET PROTECTION SYSTEM	EA	3		
110.011	CLEARING AND GRUBBING	LS	1		
120.001	EARTHWORK	LS	1		
160.000	12" STABILIZED SUBGRADE	SY	1905		
210.000	OPTIONAL BASE, BASE GROUP 06	SY	5438		
210.001	SAND FOR VOLLEYBALL COURT (6" THICK)	SY	435		
334.001	SUPERPAVE ASPHALTIC CONC, TRAFFIC B (1.0")	SY	3533		
334.002	SUPERPAVE ASPHALTIC CONC, TRAFFIC B (2.0", 2 Lifts)	SY	1905		
350.000	6" CONCRETE SIDEWALK	SY	2092		
400.000	GRAVITY WALL	LF	8		
425.001	12" ADS N-12 STORM PIPE	LF	634		
425.002	15" ADS N-12 STORM PIPE	LF	460		
425.003	18" ADS N-12 STORM PIPE	LF	51		
425.004	24" ADS N-12 STORM PIPE	LF	90		
425.005	15" NYOPLAST DRAIN BASIN	EA	12		
425.006	18" NYOPLAST DRAIN BASIN	EA	1		
425.007	FDOT TYPE C DITCH BOTTOM INLET	EA	3		
425.008	FDOT TYPE D DITCH BOTTOM INLET	EA	1		
425.009	CORE EXISTING INLET (18")	EA	1		
425.010	CORE EXISTING INLET (12")	EA	1		

Item No.	Description	UNITS	QTY	UNIT COST	EXTENDED COST
425.011	CONNECT TO EXISTING 24" PIPE	EA	1		
515.000	CONCRETE STAIRS WITH HANDRAILS (PER FDOT INDEX NO. 521)	EA	2		
520.000	FDOT DROP CURB	LF	74		
520.001	FDOT TYPE D CURB	LF	662		
520.002	PLAYGROUND CURB (8" X 8")	LF	223		
550.001	DIAMOND RAIL FENCE	LF	633		
550.002	10' BLACK VINYL CHAIN LINK FENCE	LF	601		
550.003	7' X 4' BLACK VINYL CHAIN LINK FENCE GATES (INCLUDES 3' X 4' SECTION OF FENCING ABOVE THE GATE)	EA	6		
550.004	BLACK HDPE RIGID SLATS FOR 6' CHAIN LINK FENCE	LF	630		
550.005	4' BLACK VINYL CHAIN LINK FENCE	LF	218		
550.006	4' X 5' BLACK VINYL CHAIN LINK FENCE GATE	EA	1		
550.007	WIND SCREEN	LF	570		
550.008	MODIFY EXISTING SEAWALL HANDRAIL TO CREATE 6' WIDE OPENING	EA	3		
580.001	(BA)-BULNESIA ARBOREA / VERAWOOD;65 GAL;2.5" CAL;14' HT, 6'-8' SPRD	EA	2		
580.002	(BS)-BURSERA SIMARUBA / GUMBO LIMBO;100 GAL. OR F.G.;4" CAL;16' HT. X 7' SPRD.	EA	3		
580.003	(CLDS)-CLUSIA FLAVA / SMALL LEAF CLUSIA TREE;65 GAL;3" CAL;14' HT X 7' SPRD	EA	6		
580.004	(DP)-DELONIX POINCIANA / ROYAL POINCIANA;F.G.;4" CAL;18'-20" O.A. 10' SPRD	EA	1		
580.005	(ED)-ELAEOCARPUS DECIPIENS / JAPANESE BLUEBERRY TREE;45 GAL;2.75" CAL;14' HT X 7' SPRD	EA	2		
580.006	(BY)-FICUS BENGHALENSIS / INDIAN BANYAN;FIELD GROWN;6"-8" CAL;25' HT, 20' SPRD	EA	1		
580.007	(IE)-ILEX X ATTENUATA `EAGLESTON` / EAGLESTON HOLLY;45 GAL;2.5" CAL;14' HT X 6' SPRD	EA	4		
580.008	(JB)-JUNIPERUS SILICICOLA BRODIE;30 GAL;NA;8'-9' HT O.A.	EA	13		
580.009	(LS)-LAGERSTROEMIA SPECIOSA / QUEEN'S CRAPE MYRTLE;30 GAL;2.5" CAL;14' HT. x 5' SPD.	EA	8		

Item No.	Description	UNITS	QTY	UNIT COST	EXTENDED COST
580.010	(QV)-QUERCUS VIRGINIANA / LIVE OAK;100 GAL. ;3.5" CAL;14' HT X 7' SPRD	EA	8		
580.011	(QV2)-QUERCUS VIRGINIANA / LIVE OAK;101 GAL. ;3.5" CAL;14' HT X 7' SPRD	EA	4		
580.012	(SM)-SWIETENIA MAHAGONI / WEST INDIAN MAHOGANY;B & B;3" CAL;14' HT X 7' SPRD	EA	5		
580.013	(CH)-CHAMAEROPS HUMILIS / EUROPEAN FAN PALM;45 GAL;N.A.;4'-5' O.A.	EA	2		
580.014	(RE)-ROYSTONEA ELATA / ROYAL PALM;FIELD GROWN;N.A.;12' G.W.	EA	11		
580.015	(SP)-SABAL PALMETTO / SABAL PALMETTO;FIELD GROWN;NA;14' CT	EA	18		
580.016	(THA)-THRINAX MORRISII / KEY THATCH PALM;30 GAL;NA;5' OA	EA	21		
580.017	(CI7)-CHRYSOBALANUS ICACO / COCOPLUM;7 GAL;3' X 3';3' O.C.	EA	101		
580.018	(CG)-CLUSIA GUTTIFERA / CLUSIA;15 GAL.;4' HT. X 3' SPRD.;4' O.C.	EA	35		
580.019	(CLD2)-CLUSIA GUTTIFERA / SMALL-LEAF CLUSIA;7 GAL.;3' X 3';3' O.C.	EA	15		
580.020	(SS)-MYRCIANTHES FRAGRANS / SIMPSON'S STOPPER;15 GAL;5' X 5';4' O.C.	EA	68		
580.021	(PB)-PLUMBAGO AURICULATA 'IMPERIAL BLUE;15 GAL;3' X 3';3' O.C.	EA	16		
580.022	(RP)-RAPANEA PUNCTATA / MYRSINE;7 GAL;3' X 3';3' O.C.	EA	12		
580.023	(CI)-CHRYSOBALANUS ICACO / COCOPLUM;3 GAL;18" X 18";30" O.C.	EA	15		
580.024	(CID)-CHRYSOBALANUS ICACO 'HORIZONTAL' / DWARF COCOPLUM;3 GAL;12" X 12";24" O.C.	EA	256		
580.025	(FG)-FICUS MACROPHYLLA 'GREEN ISLAND' / GREEN ISLAND FICUS;3 GAL;12" X 12";24" O.C.	EA	147		
580.026	(MUH)-MUHLENBERGIA CAPILLARIS / MUHLY GRASS;3 GAL;18" X 18";30" OC	EA	307		
580.027	(SPA)-SPARTINA BAKERI / SAND CORDGRASS;3 GAL;24"X24";30" O.C.	EA	55		

Item No.	Description	UNITS	QTY	UNIT COST	EXTENDED COST
580.028	(TF)-TRIPSACUM FLORIDANA / DWARF FAKAHATCHEE GRASS;3 GAL;18" X 18";24" O.C.	EA	30		
580.029	CYNODON DACTYLON / BERMUDA GRASS	SF	67840		
580.030	STENOTAPHRUM SECANDATUM / ST AUGUSTINE - TOWNHOUSE AREAS	SF	50196		
580.031	BioBarrier	LS	1		
590.001	IRRIGATION SYSTEM**	LS	1		
700.000	ADA SIGNS	EA	2		
709.001	WHEEL STOP	EA	20		
709.002	THERMOPLASTIC PARKING LOT STRIPING	LS	1		
715.000	SITE LIGHTS	LS	1		
715.001	SITE LIGHT CONCRETE FOUNDATIONS	LS	1		
715.002	PAVILION LIGHTS	LS	1		
715.003	INSTALL MUSCO SPORTS LIGHTS***	LS	1		
721.000	BASKETBALL COURT PAVEMENT (PLEXIPAVE SURFACE & COURT STRIPING)	SF	11712		
721.001	TENNIS / PICKLEBALL COURT PAVEMENT (PLEXIPAVE SURFACE & COURT STRIPING)	SF	20592		
721.002	REMOVABLE BOLLARD & CONCRETE FOUNDATIONS	EA	4		
721.003	PET WASTE STATION & CONCRETE FOUNDATION	EA	1		
721.004	BOLLARD STYLE DOUBLE BENCH & CONCRETE FOUNDATION	EA	2		
721.005	PARK BENCH & CONCRETE FOUNDATION	EA	8		
721.006	TRACH CAN & CONCRETE FOUNDATION	EA	7		
721.007	GRILLS & CONCRETE FOUNDATION	EA	4		
721.008	BIKE RACKS & CONCRETE SLAB & FOUNDATION	EA	1		
721.009	BASKETBALL POST & HOOP ASSEMBLY	EA	4		
721.010	BASKETBALL POST & CONCRETE FOUNDATION	LS	4		
721.011	VOLLEYBALL POST & NET ASSEMBLY & CONCRETE FOUNDATION	EA	1		
721.012	PICKELBALL POST & NET ASSEMBLY & CONCRETE FOUNDATION	EA	2		
721.013	TENNIS POST & NET ASSEMBLY & CONCRETE FOUNDATION	EA	2		
721.014	INSTALL PLAYGROUND EQUIPMENT****	EA	1		
721.015	PLAYGROUND CONCRETE FOUNDATIONS	LS	1		
721.016	AREA WITHIN TURF FALL ZONE - PLAYGROUND ARTIFICIAL TURF, 3" SAFETY FOAM PRO, 3/4" STONE AGGREGATE BASE (3-4" THICK)	SF	2112		

Item No.	Description	UNITS	QTY	UNIT COST	EXTENDED COST
721.017	AREA BETWEEN CURB AND FALL ZONE - PLAYGROUND ARTIFICIAL TURF, GRAVEL FINES (1" THICK), 3/4" STONE AGGREGATE BASE (3-4" THICK)	SF	1450		
721.018	2" X 4" COMPOSITE NAILER BOARD (PLAYGROUND PERIMETER)	LF	241		
721.019	DOCK CLEAT	EA	14		
721.020	DOCK BUMPER (8' LONG)	EA	6		
721.021	DOCK LADDER	EA	3		
721.022	43.5' X 3' ALLUMINUM GANGWAY W/ HANDRAILS	LS	43.5		
721.023	2' X 2' X 5' CONCRETE FOUNDATION FOR GANGWAY	LS	1		
721.100	INSTALL TENNIS, PICKLEBALL & BASKETBALL SHADE STRUCTURES****	EA	4		
721.101	TENNIS, PICKLEBALL & BASKETBALL SHADE STRUCTURE CONCRETE FOUNDATIONS	EA	4		
721.102	INSTALL PLAYGROUND SHADE STRUCTURES****	EA	2		
721.103	PLAYGROUND SHADE STRUCTURE CONCRETE FOUNDATIONS	EA	2		
750.000	RESTROOM BUILDING*****	LS	1		
750.001	FPL SERVICE RELOCATION & METER CAN	LS	1		
750.002	SITE ELECTRICAL SYSTEM	LS	1		
750.010	INSTALL TYPE B PAVILION - RAM-20' X 44'****	EA	1		
750.011	INSTALL 2 x 6 TONGUE AND GROOVE ROOF DECKING (PAVILION B)	EA	1		
750.012	TYPE B PAVILION FOUNDATION & CONCRETE SLAB (2.0' BEYOND ROOF LINE)	EA	1		
750.013	INSTALL TYPE A PAVILION - POLIGON HXE-20*****	EA	3		
750.014	INSTALL 2 x 6 TONGUE AND GROOVE ROOF DECKING (PAVILION A)	EA	3		
750.015	TYPE A PAVILION FOUNDATION & CONCRETE SLAB (2.0' BEYOND ROOF LINE)	EA	3		
750.016	PAVILION COLUMN COVERS	EA	24		
1050.001	CONNECT TO EXISTING 8" PLUG	EA	1		
1050.002	6" DIP WATERMAIN INCL. FITTINGS	LF	126		
1050.002	8" DIP WATERMAIN INCL. FITTINGS	LF	11		
1050.003	POTABLE WATER MAIN SPLIT CASING (PER PBCWUD DETAIL 22WB)	LF	20		
1050.004	FIRE HYD. ASSEMBLY W/ 6" GV	EA	1		
1050.005	1" WATER METER	EA	1		
1050.006	1" RPZ	EA	1		
1050.007	BACKFLOW PREVENTER CAGE	EA	1		
1050.008	1.5" WATER SERVICE LINE	LF	926		

Item No.	Description	UNITS	QTY	UNIT COST	EXTENDED COST
1050.009	HOSE BIBB (MODEL MDF 24-8 SMSS; WWW.MOSTDEPANDABLE.COM)	EA	4		
1050.010	WATER FOUNTAIN & DOG BOWL (MDF MODEL 440 SM) & CONCRETE FOUNDATION	EA	1		
1050.011	SAMPLE POINT	EA	1		
1050.012	SANITARY CLEANOUT	EA	3		
1050.013	SANITARY CLEANOUT W/ CONC COLLAR	EA	1		
1050.014	6" SAN SEWER LATERAL	LF	183		
1050.015	ADJUST SAN MANHOLE TO MATCH FINISHED GRADE	EA	1		
1050.016	CONNECTION TO EXISTING SAN. SEWER MAIN (CUT-IN 6"X8" WYE)	LS	1		
				TOTAL COST	

*Value shall not exceed 10% of TOTAL CONTRACT VALUE (TOTAL CONTRACT VALUE includes mobilization line item 100.001)

**This line item Includes the removal of the existing irrigation main.

***The owner will purchase Musco light components directly from the manufacturer. The owner-supplied components are listed in Appendix A. The contractor shall be responsible for supplying all other materials required to make a fully functional lighting system in accordance with the plans and specifications. The contractor shall coordinate delivery to the site with the manufacturer. The contractor shall secure the Musco components on site. Any components stolen or vandalized shall be replaced at the contractor's expense. The contractor shall fully install the lighting system per the plans and specifications and manufacturer recommendations.

****The owner will purchase the pavilion / shade structure / playscape components directly from the manufacturers. The owner-supplied components are listed in Appendix D. The contractor shall be responsible for supplying the concrete slab / foundation, steel reinforcement, and all other materials required to make fully functional structures in accordance with the plans and specifications. The contractor shall coordinate delivery to the site with the manufacturer. The contractor shall secure the structure components on site. Any components stolen or vandalized shall be replaced at the contractor's expense. The contractor shall fully install the pavilion /shade structure / playscape systems per the plans and specifications and manufacturer recommendations.

*****This line item includes all materials labor and equipment detailed in drawing sheets A1.0, A2.0, A3.0, S-1, S-2, E-3, and P-1 unless specifically identified in another line item.

The Owner will reimburse the contractor for permit fees from the following agencies: Royal Palm Beach; Florida Power & Light; Palm Beach County Water Utilities; Palm Beach County Health Department; Florida Department of Environmental Protection. The contractor shall be responsible for all labor, materials, asbuilt documentation, and coordination required to initiate and finalize all permits required to complete the project in accordance with local, state, and federal requirements.

BID FORM

FOR PROJECT NO.: PR2102

PROJECT NAME: *Crestwood North Park*

TOTAL BASE BID: \$ _____

(Amount written in words has precedence) Dollars

TOTAL NUMBER OF DAYS: _____ **Days**

Days

Date: _____

The contractor's signature below provides assurance that Addenda #1 through ____ have been received and are included in the estimate in the above bid.

CONTRACTOR: _____

ATTACHMENT 8

Contract Provisions for DOI-Funded Agreements

The Department, as a Non-Federal Entity as defined by 2 CFR §200.69, shall comply with the following provisions, where applicable. For purposes of this Grant Agreement between the Department and the Grantee, the term “Recipient” shall mean “Grantee.”

Further, the Department, as a pass-through entity, also requires the Grantee to pass on these requirements to all lower tier subrecipients, and to comply with the provisions of the award, including applicable provisions of the OMB Uniform Guidance (2 CFR Part 200), and all associated terms and conditions. Therefore, Grantees must include these requirements in all related subcontracts and/or sub-awards. Grantees can include these requirements by incorporating this Attachment in the related subcontract and/or sub-awards, however for all such subcontracts and sub-awards, the Grantee shall assume the role of the Non-Federal Entity and the subrecipients shall assume the role of the Recipient.

2 CFR PART 200 APPENDIX 2 REQUIREMENTS

1. Administrative, Contractual, and Legal Remedies

The following provision is required if the Agreement is for more than \$150,000. In addition to any of the remedies described elsewhere in the Agreement, if the Recipient materially fails to comply with the terms and conditions of this Contract, including any Federal or State statutes, rules or regulations, applicable to this Contract, the Non-Federal Entity may take one or more of the following actions.

- i. Temporarily withhold payments pending correction of the deficiency by the Recipient.
- ii. Disallow (that is, deny both use of funds and any applicable matching credit for) all or part of the cost of the activity or action not in compliance.
- iii. Wholly or partly suspend or terminate this Contract.
- iv. Take other remedies that may be legally available.

The remedies identified above, do not preclude the Recipient from being subject to debarment and suspension under Presidential Executive Orders 12549 and 12689. The Non-Federal entity shall have the right to demand a refund, either in whole or part, of the funds provided to the Recipient for noncompliance with the terms of this Agreement.

2. Termination for Cause and Convenience

Termination for Cause and Convenience are addressed elsewhere in the Agreement.

3. Equal Opportunity Clause

The following provision applies if the agreement meets the definition of “federally assisted construction contract” as defined by 41 CFR Part 60-1.3:

During the performance of this Agreement, the Recipient agrees as follows:

- i. The Recipient will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Recipient will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:
 - a. Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Recipient agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- ii. The Recipient will, in all solicitations or advertisements for employees placed by or on behalf of the Recipient, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- iii. The Recipient will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired

about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Recipient's legal duty to furnish information.

- iv. The Recipient will send to each labor union or representative of workers with which he has a collective bargaining agreement or other Agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the Recipient's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- v. The Recipient will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- vi. The Recipient will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- vii. In the event of the Recipient's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations, or orders, this Agreement may be canceled, terminated, or suspended in whole or in part and the Recipient may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- viii. The Recipient will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Recipient will take such action with respect to any subcontractor purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

4. Davis Bacon Act

If the Agreement is a prime construction contract in excess of \$2,000 awarded by the Recipient, and if required by the Federal Legislation, the Recipient must comply with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must pay wages not less than once a week. The Recipient must comply with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each Recipient or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.

5. Contract Work Hours and Safety Standards Act

Where applicable, if the Agreement is in excess of \$100,000 and involves the employment of mechanics or laborers, the Recipient must comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each Recipient must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not

less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

6. Rights to Inventions Made Under Agreement

If the Federal award meets the definition of “funding agreement” under 37 CFR §401.2 (a) and the Non-Federal Entity or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the Non-Federal Entity or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

7. Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387)

If the Agreement is in excess of \$150,000, the Recipient shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Awarding Agency and the Regional Office of the Environmental Protection Agency (EPA).

8. Debarment and Suspension (Executive Orders 12549 and 12689)

The Recipient certifies that it is not listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.”

9. Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)

The Recipient certifies that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. If applicable, the Recipient shall disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award, using form SF-LLL, available at:

https://apply07.grants.gov/apply/forms/sample/SFLLL_1_2_P-V1.2.pdf.

10. Procurement of Recovered Materials

The Recipient must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act as described in 2 CFR part 200.322.

11. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment

The Recipients and subrecipients are prohibited from obligating or expending loan or grant funds to procure or obtain; extend or renew a contract to procure or obtain; or enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. See Section 889 of Public Law 115-232 (National Defense Authorization Act 2019). Also, see 2 CFR 200.216 and 200.471.

12. Domestic Preferences for Procurement

The Recipients and subrecipients must to the greatest extent practical give preference to the purchase, acquisition, or use of goods, products, or materials produced in the United States in accordance with 2 CFR 200.322.

ADMINISTRATIVE

1. General Federal Regulations

Recipients shall comply with the regulations listed in 2 CFR 200, 48 CFR 31, and 40 U.S.C. 1101 *et sequence*.

2. Rights to Patents and Inventions Made Under a Contract or Agreement

Rights to inventions made under this assistance agreement are subject to federal patent and licensing regulations, which are codified at Title 37 CFR Part 401 and Title 35 U.S.C. 200 through 212.

3. Compliance with the Trafficking Victims Protection Act of 2000 (2 CFR Part 175)

Recipients, their employees, subrecipients under this award, and subrecipients' employees may not:

- i. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
- ii. Procure a commercial sex act during the period of time that the award is in effect; or
- iii. Use forced labor in the performance of the award or subawards under the award.

4. Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234)

Recipients must comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234), if applicable. This act requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.

5. Water Resources Reform and Development Act (WRRDA) P.L. 113-121

Recipients must comply with the Water Resources Reform and Development Act (WRRDA) P.L. 113-121, if applicable. This act provides for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources.

6. Whistleblower Protection

Recipients shall comply with U.S.C. §4712, Enhancement of Recipient and Subrecipient Employee Whistleblower Protection. This requirement applies to all awards issued after July 1, 2013 and effective December 14, 2016 has been permanently extended (Public Law (P.L.) 114-261).

(a) This award, related subawards, and related contracts over the simplified acquisition threshold and all employees working on this award, related subawards, and related contracts over the simplified acquisition threshold are subject to the whistleblower rights and remedies in the pilot program on award recipient employee whistleblower protections established at 41 U.S.C. 4712 by section 828 of the National Defense Authorization Act for Fiscal Year 2013 (P.L. 112-239).

(b) Recipients, their subrecipients, and their contractors awarded contracts over the simplified acquisition threshold related to this award, shall inform their employees in writing, in the predominant language of the workforce, of the employee whistleblower rights and protections under 41 U.S.C. 4712.

(c) The Recipient shall insert this clause, including this paragraph (c), in all subawards and in contracts over the simplified acquisition threshold related to this award; best efforts should be made to include this clause, including this paragraph (c) in any subawards and contracts awarded prior to the effective date of this provision.

7. Notification of Termination (2 CFR § 200.340)

In accordance with 2 CFR § 200.340, in the event that the Agreement is terminated prior to the end of the period of performance due to the Recipient's or subcontractor's material failure to comply with Federal statutes, regulations or the terms and conditions of this Agreement or the Federal award, the termination shall be reported to the Office of Management and Budget (OMB)-designated integrity and performance system, accessible through System for Award Management (SAM) currently the Federal Awardee Performance and Integrity Information System (FAPIIS). The Non-Federal Entity will notify the Recipient of the termination and the Federal requirement to report the termination in FAPIIS. See 2 CFR § 200.340 for the requirements of the notice and the Recipient's rights upon termination and following termination.

8. Additional Lobbying Requirements

- (a) The Recipient certifies that no funds provided under this Agreement have been used or will be used to engage in the lobbying of the Federal Government or in litigation against the United States unless authorized under existing law.
- (b) The Lobbying Disclosure Act of 1995, as amended (2 U.S.C. §1601 *et seq.*), prohibits any organization described in Section 501(c)(4) of the Internal Revenue Code, from receiving federal funds through an award, grant (and/or subgrant) or loan unless such organization warrants that it does not, and will not engage in lobbying activities prohibited by the Act as a special condition of such an award, grant (and/or subgrant), or loan. This restriction does not apply to loans made pursuant to approved revolving loan programs or to contracts awarded using proper procurement procedures.

- (c) Pursuant to 2 CFR §200.450 and 2 CFR §200.454(e), the Recipient is hereby prohibited from using funds provided by this Agreement for membership dues to any entity or organization engaged in lobbying activities.

COMPLIANCE WITH ASSURANCES

9. Assurances

Recipients shall comply with any and all applicable assurances made by the Department or the Recipient to the Federal Government during the Grant application process.

FEDERAL REPORTING REQUIREMENTS

Grant Recipients awarded a new Federal grant greater than or equal to \$30,000 awarded on or after October 1, 2015, are subject to the FFATA the Federal Funding Accountability and Transparency Act (“FFATA”) of 2006. The FFATA legislation requires that information on federal awards (federal financial assistance and expenditures) be made available to the public via a single, searchable website, which is www.USASpending.gov. The Grantee agrees to provide the information necessary, within one (1) month of execution, for the Department to comply with this requirement.

DEPARTMENT OF INTERIOR-SPECIFIC

10. Department of Interior (DOI) General Terms and Conditions

Recipients shall comply with DOI General Terms and Conditions available at https://www.doi.gov/pam/programs/financial_assistance/TermsandConditions, and incorporated by reference.

11. DOI Regulations

Recipients shall comply with the following regulations: 2 CFR 1400-1402, 43 CFR 9, 43 CFR 17, 43 CFR 18, 43 CFR 41, and 43 CFR 44.

12. Drug-Free Workplace

Recipients must make an ongoing, good faith effort to maintain a drug-free workplace pursuant to the specific requirements set forth in Title 2 CFR Part 1401. Additionally, in accordance with these regulations, the recipients must identify all known workplaces under its federal awards, and keep this information on file during the performance of the award.

13. Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act

As applicable, Recipient shall comply with the requirements of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) to provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

14. Deposit of Publications Produced under Grants

Pursuant to Departmental Manual 505 DM4 (DOI) and Service Manual FW1 (USFWS), any grant or cooperative agreement that will produce a publication (other than those listed as exceptions) must provide two copies of each publication to the Department of Interior’s Natural Resources Library. For a list of exceptions, transmittal requirements, and delivery information see Departmental Manual 505 DM 4, Deposit of Publications Produced under Grants at: <http://elips.doi.gov/ELIPS/DocView.aspx?id=1671>.

UNITED STATES FISH & WILDLIFE SERVICE-SPECIFIC

15. USFWS Financial Assistance Award Terms and Conditions

Recipients shall comply with the USFWS Financial Assistance Award Terms and Conditions applicable to the specific Federal Award funding source, available at <https://www.fws.gov/grants/atc.html>, and incorporated by reference.

NATIONAL PARKS SERVICE LAND AND WATER CONSERVATION FUND STATE ASSISTANCE PROGRAM-SPECIFIC

16. LWCF Federal Financial Assistance Manual

As applicable, Recipients shall comply with the LWCF Federal Financial Assistance Manual Effective October 1, 2008, or later, available at <https://www.nps.gov/subjects/lwcf/lwcf-manual.htm>, and incorporated by reference.

17. Historic Preservation

As applicable, Recipients shall comply with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), E.O. 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 *et seq.*).

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Kids' Choice®

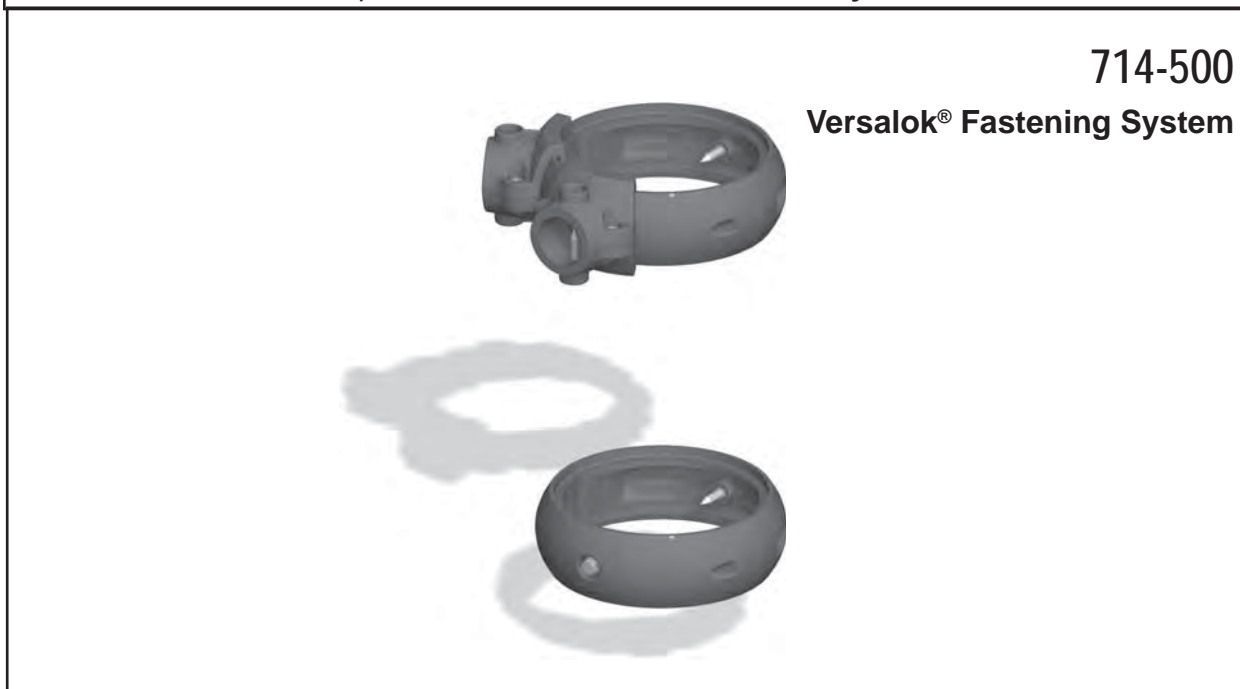
Versalok® Fastening System - For Deck and Component Attachments

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.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-500	Versalok® Fastening System	1

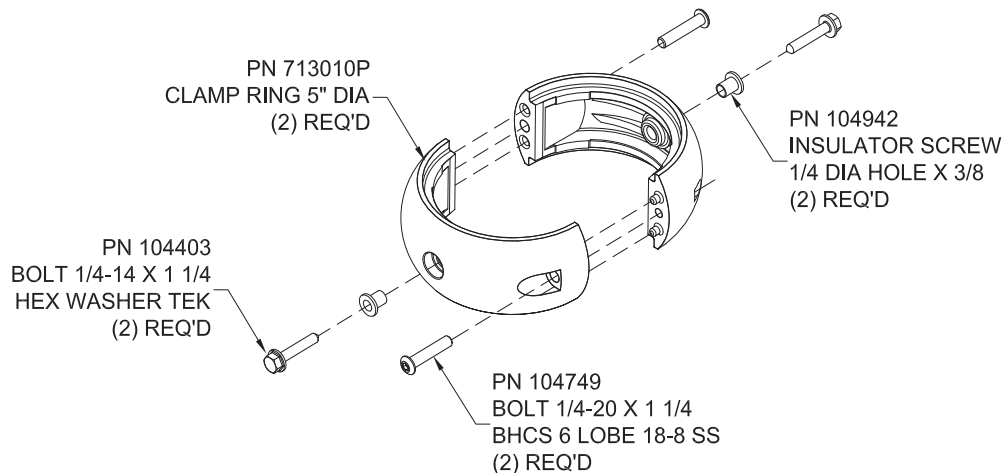
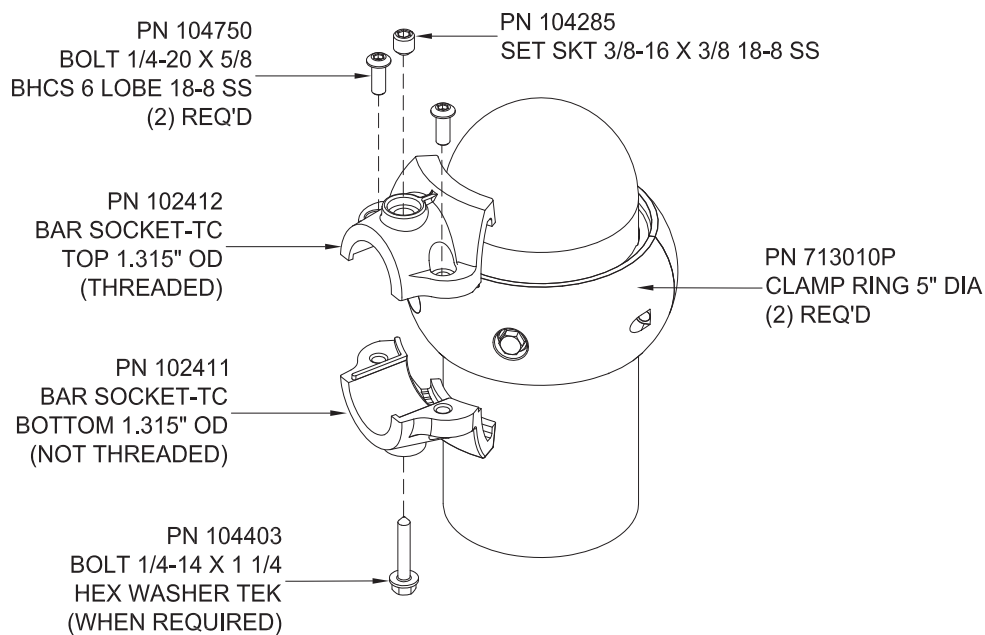
Posts and additional components not included in this assembly.



Note:

- Deck, deck post, handrails and panel are not included.
- Illustration demonstrates completed assembly with common components.
- Versalok clamps mount to posts allowing connection of decks, enclosures and other components.
- Support casting designs and hardware vary by component.

Kids' Choice®

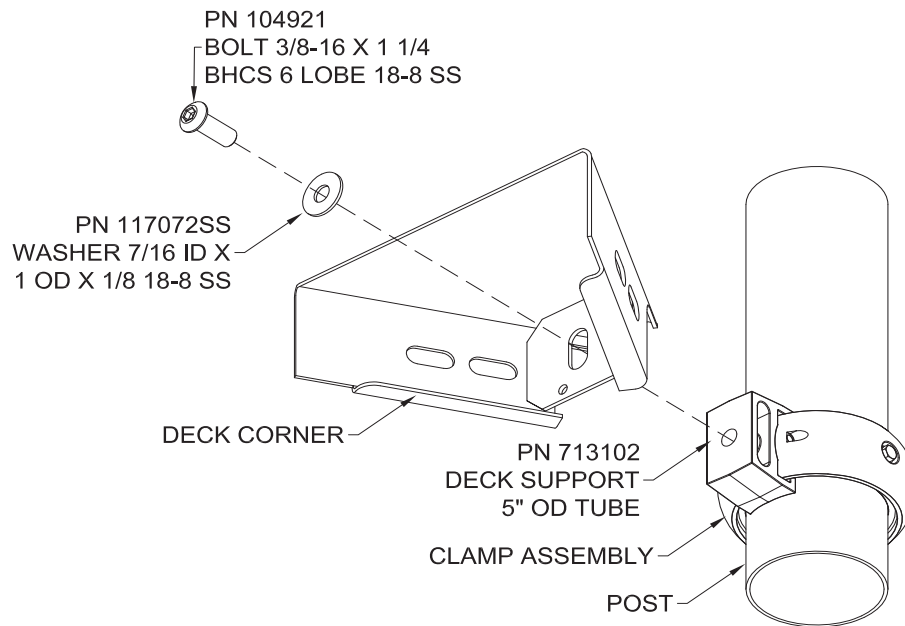
Versalok® Fastening System - For Deck and Component Attachments*A. 5" dia Clamp Ring Assembly**B. Bar Socket - Hole in Top Half***Note:**

- For bar socket only: Use self-drilling screw (PN 104403) only as required on models specified in installation instructions. This should not be used on any other model.

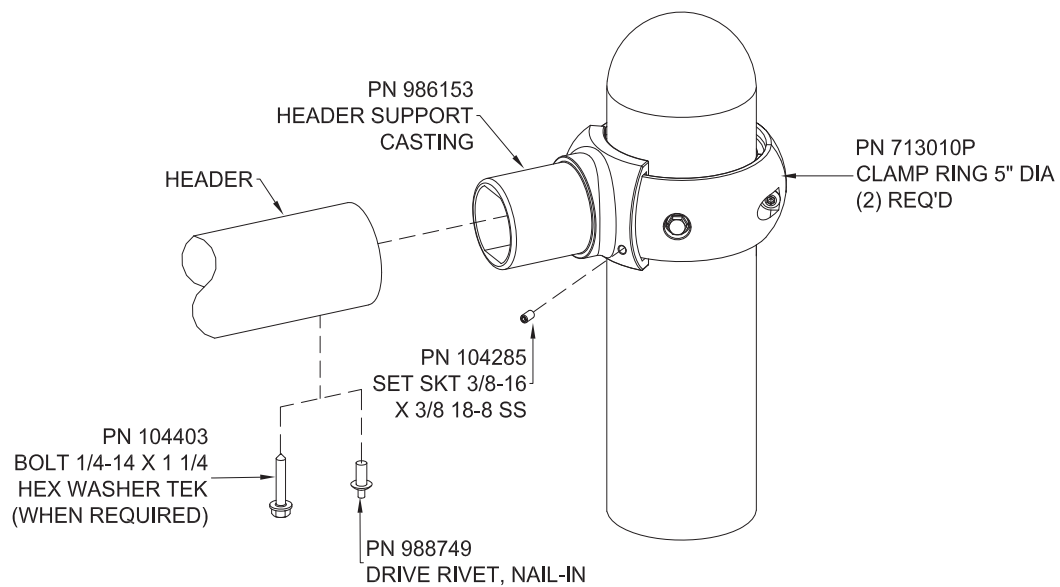
Kids' Choice®

Versalok® Fastening System - For Deck and Component Attachments

C. Deck Support Casting



D. Header Support Casting



Kids' Choice®

Versalok® Fastening System - For Deck and Component Attachments**STEP 1** **MATCH CLAMPS WITH POSTS & COMPONENTS**

- 1a. Determine use(s) and location of each clamp ring based on Construction Drawings and/or installation instructions of playsystem's components. It is the installer's choice whether to assemble clamps to posts *before* or *after* setting posts into footings.

Note:

- Most measurements are made from finished grade, which accounts for post length below subgrade (in concrete, beneath compacted soil level) and 12" of loose-fill surfacing.
- Do not permanently affix clamps to posts with self-drilling screws, or pour concrete for footings, until all components in playsystem are installed per instructions and braced in position level and plumb.

STEP 2 **MARK CLAMP POSITIONS ON POSTS**

- 2a. Determine clamp heights on posts per component instructions. Mark positions on posts with pencil or washable pen or marker.
- 2b. If installing *one-piece support castings* on clamps, slide it or them onto a clamp ring half *before* connecting ring half to opposite half around post. Two-piece bar sockets may be affixed afterward.

STEP 3 **FASTEN CLAMP RING HALVES AROUND POSTS**

- 3a. Refer to first illustration on *page 2*. Connect clamp ring halves to each other around posts at marked heights with **1/4" x 1-1/4" BHCS bolts** (PN 104749) at each end. Orient clamp ring assembly so that recessed center holes (for securing clamp ring halves to post) will not be blocked when components are attached to support castings.

Note:

- For aesthetic purpose, it is advisable to assemble clamps around posts with text on surface oriented upright and legible, though clamp will function properly regardless.

Kids' Choice®

Versalok® Fastening System - For Deck and Component Attachments**STEP 4** LOOSELY CONNECT BAR SOCKETS, IF APPLICABLE

- 4a. *If applicable*, refer to **Bar Socket illustration** on *page 2*. Loosely connect top and bottom bar socket halves together with **1/4" x 5/8" BHCS bolts** (PN 104750) on edge of clamp rings. Start **3/8"x 3/8"** set screw (PN 104285) in bottom half of each.

Note:

- Torque 1/4" button head bolts in bar sockets to 5 ft.-lbs. Bar Sockets should not be allowed to rotate around clamp.

STEP 5 SEAT COMPONENTS ON BAR SOCKETS, HEADER SUPPORTS, OR DECK SUPPORTS

- 5a. Seat component rail, rungs, edges, etc. in bar sockets, over header supports, or against deck supports. Adjust clamp rings on posts as needed (maintaining heights specified in component instructions) to achieve plumb and level posts and components.
- 5b. Generally, a deck is attached to deck supports with **1/2" x 1-1/4" BHCS bolts** and **7/16" flat washers**. Header supports are fastened against clamp rings with **1/4" x 1-1/4" tek hex washer head self-drilling screws**, and headers are attached to header supports on bottom side with **1/4" drive rivets** or self-drilling screws.
- 5c. Tighten hardware affixing components to support castings, castings to clamps and clamp rings around posts.

FINAL STEP SECURE CLAMPS TO POSTS

Permanently affix clamp rings to deck posts using self-drilling screws and screw insulators when all components in system have been installed, plumbed, leveled and braced in position for pouring of concrete. Proceed with **Final Assembly installation** located behind *Installations 101* in Installation Manual.



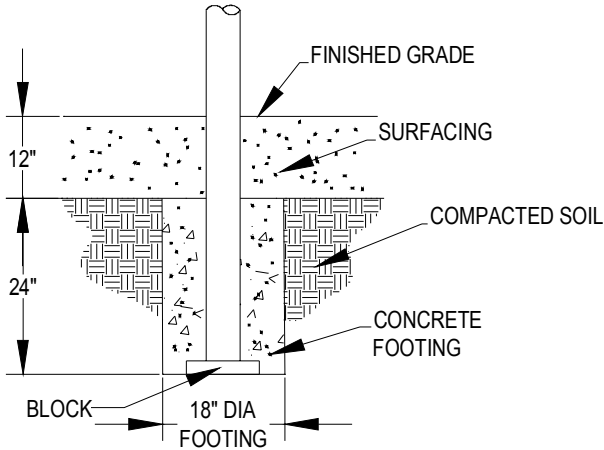
Installation Guide

Kids' Choice® and Center Stage®

Footing Details - Deck Post/Pedestal, MiracleTech, Components,
Chain/Rope/Tire, & Cargo

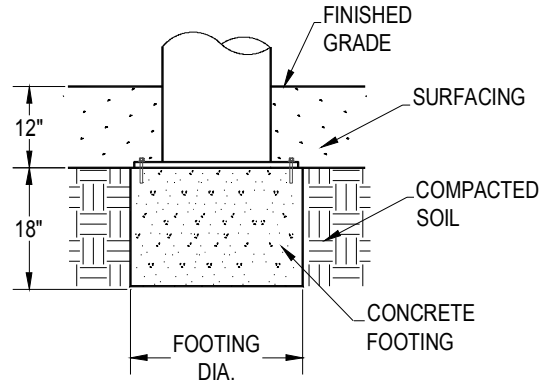
Footing Details - Kids' Choice & Center Stage

Kids' Choice Deck Post Footing Detail



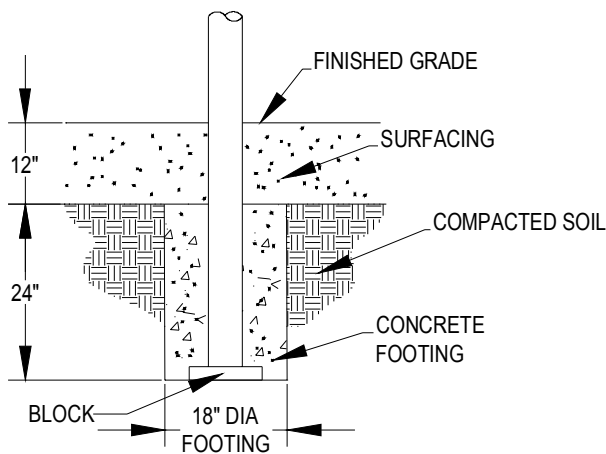
Deck Post and Pedestal

Center Stage Deck Pedestal Footing Detail



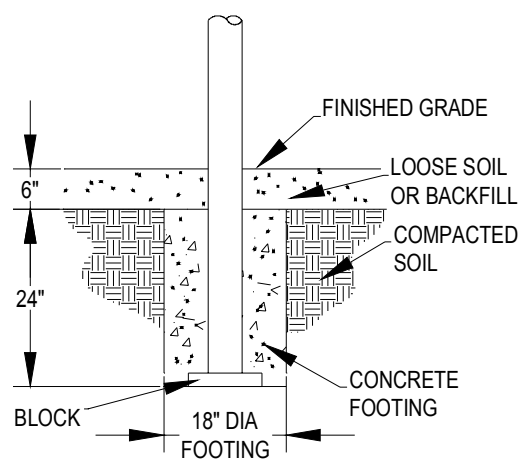
Note: Block at bottom of Footing hole is optional, and recommended for installation of deck posts. If used, compensate by digging deeper Footing(s).

Post Located On-Site



MiracleTech

Post Located Off-Site



714-500F



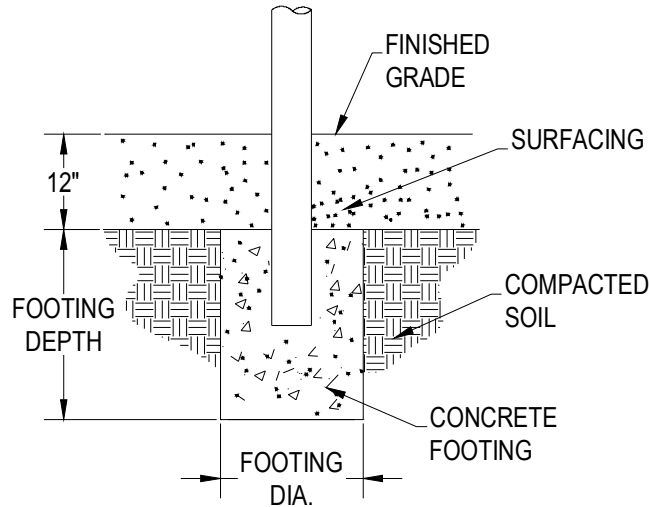
Kids' Choice® and Center Stage®

Footing Details - Deck Post/Pedestal, MiracleTech, Components, Chain/Rope/Tire, & Cargo

Footing Details - Kids' Choice & Center Stage

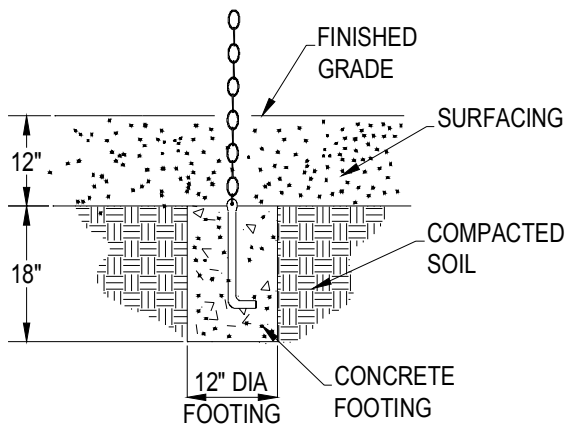
Components

Component Footing Detail

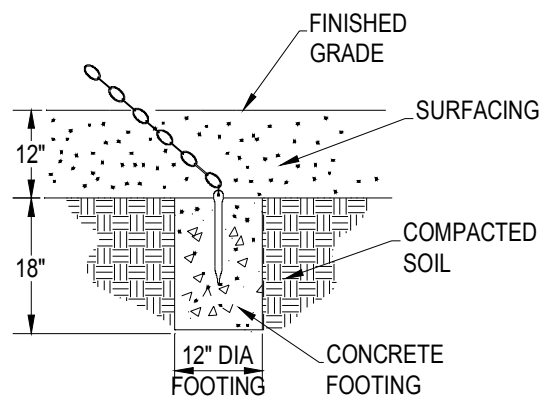


Chain / Rope / Tire

Chain Ladder & Climbing Rope Footing Detail



Tire Climber Footing Detail



714-500F



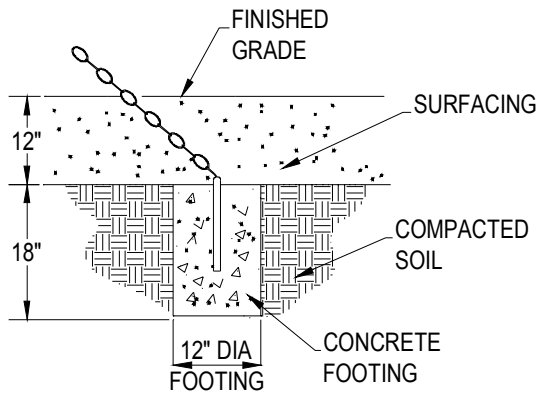
Kids' Choice® and Center Stage®

Footing Details - Deck Post/Pedestal, MiracleTech, Components, Chain/Rope/Tire, & Cargo

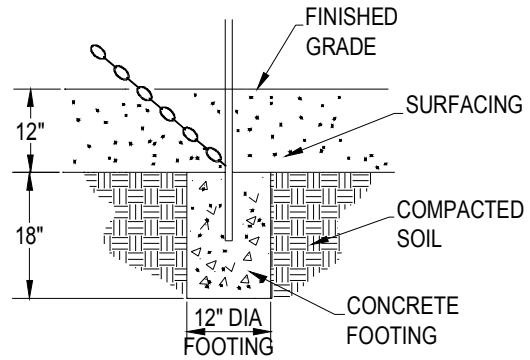
Footing Details - Kids' Choice & Center Stage

Cargo Net / Climber

Cargo Net & Cargo Climber Footing Detail



Cargo Climber *with Handhold* Footing Detail



714-500F



Installation Guide

Kids' Choice® - Mira-Therm II
Decks

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.**

Models included in this installation guide:

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-501-9	Triangle Deck	2
714-502-9	Square Deck	2
714-503-9	Half Hex Deck (Full)	3
714-504-9	Half Hex Deck (Open)	3
714-508-9	Rectangle Deck (Full)	4
714-509-9	Rectangle Deck (Half Open)	5
714-510-9	Rectangle Deck (Open)	5
714-512-9	Pentagon Deck	6
714-517-9	Heptagon Deck	6

NOTE: Deck Posts are NOT included in these Assemblies.

Please refer to Construction Drawings for the model particular to your system.

TOOLS AND EQUIPMENT REQUIRED

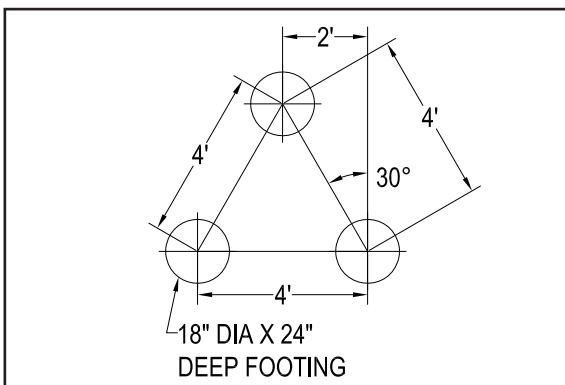
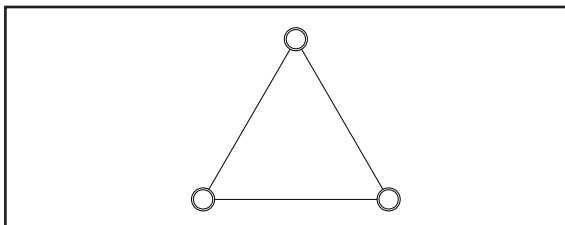
Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, jack stands etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladder
8. Adult installers - 2 minimum



Kids' Choice® - Mira-Therm II Decks

Top View

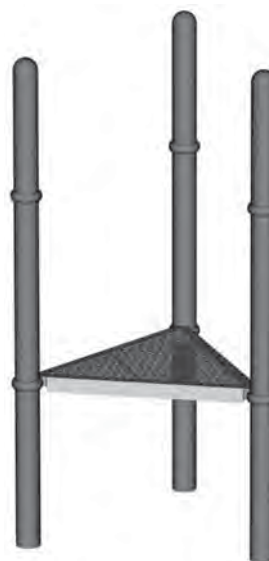


Footing Layout

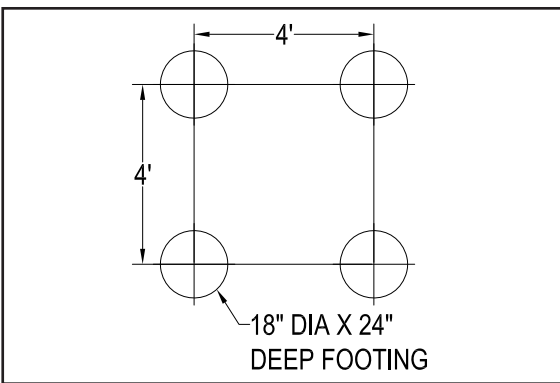
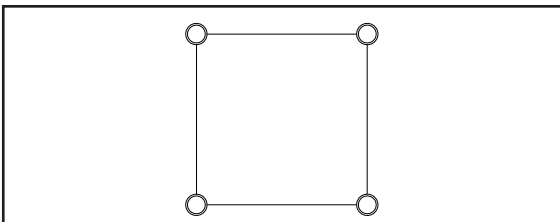
714-501-9

Triangle Deck

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



Top View

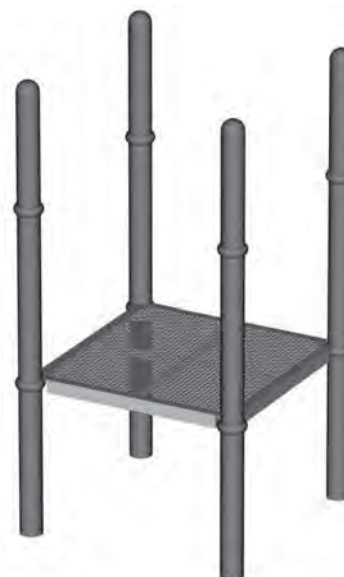


Footing Layout

714-502-9

Square Deck

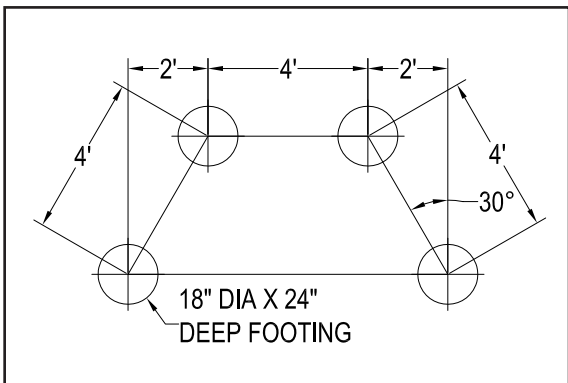
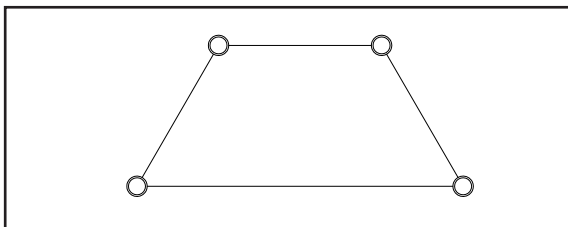
Model # 714-502-9 requires four (4) Posts.





Kids' Choice® - Mira-Therm II Decks

Top View

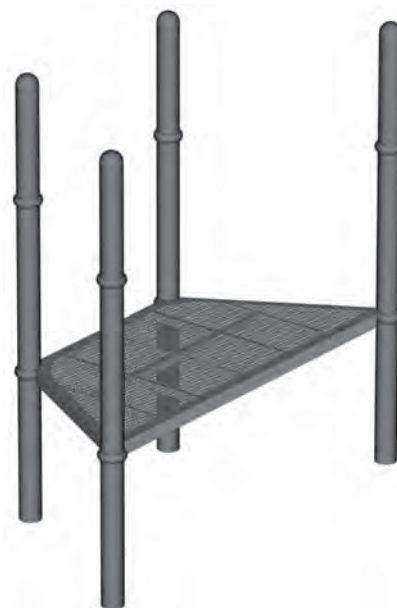


Footing Layout

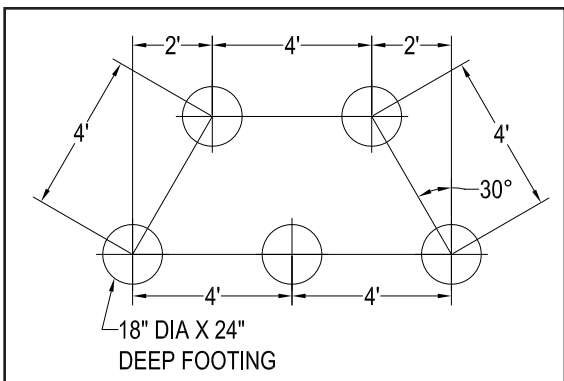
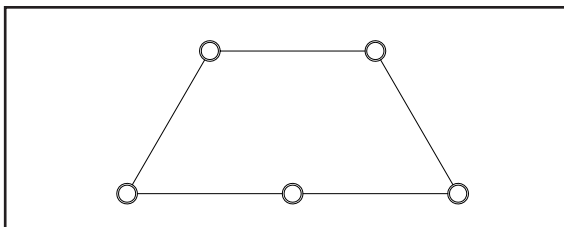
714-503-9

Half Hex Deck (Full)

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



Top View

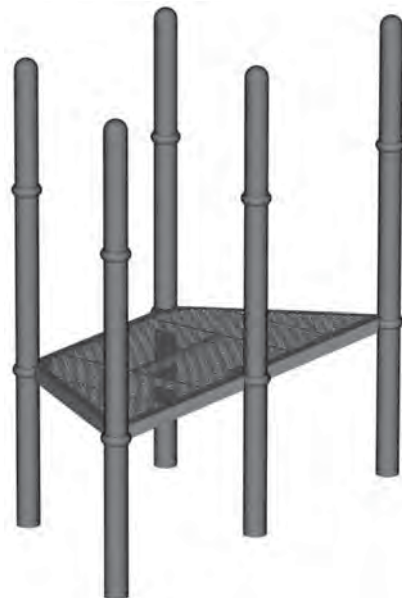


Footing Layout

714-504-9

Half Hex Deck (Open)

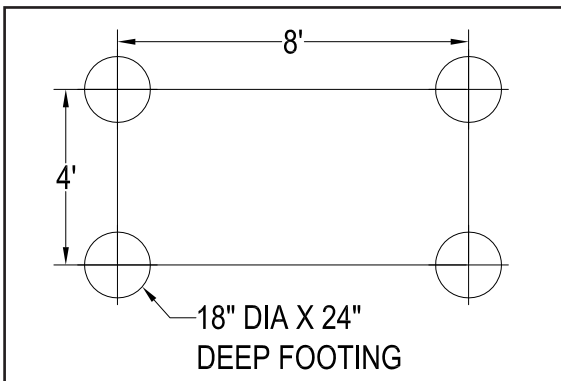
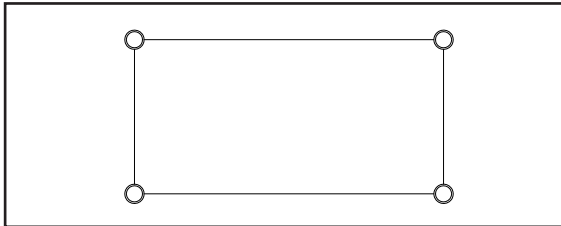
Model # 714-504-9 requires five (5) Posts.





Kids' Choice® - Mira-Therm II
Decks

Top View

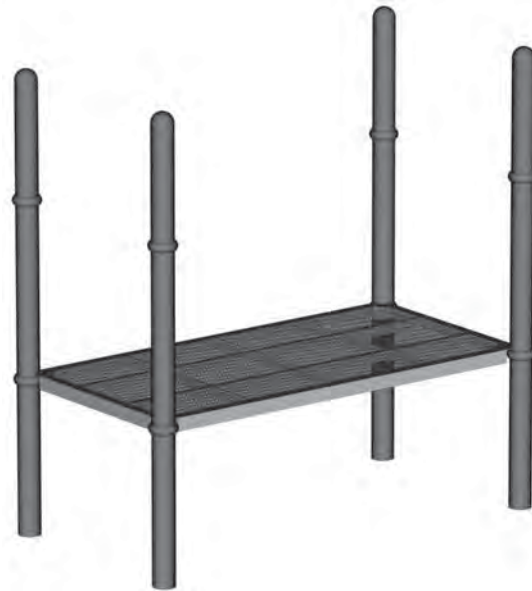


Footing Layout

714-508-9

Rectangle Deck (Full)

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



Decks

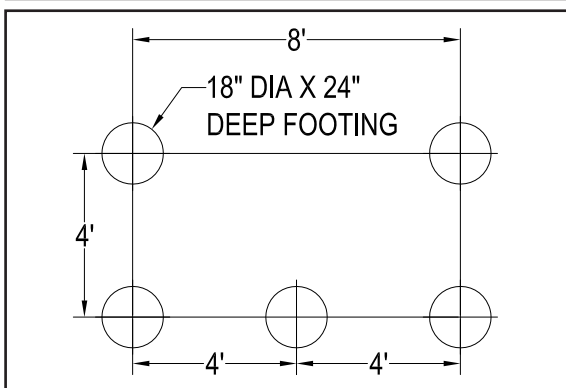
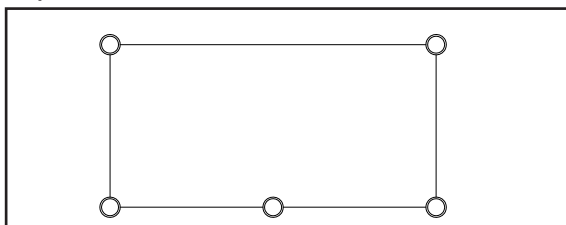
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714-501-9, 714-502-9, 714-503-9, 714-504-9, 714-508-9, 714-509-9, 714-510-9, 714-512-9, 714-517-9



Kids' Choice® - Mira-Therm II Decks

Top View

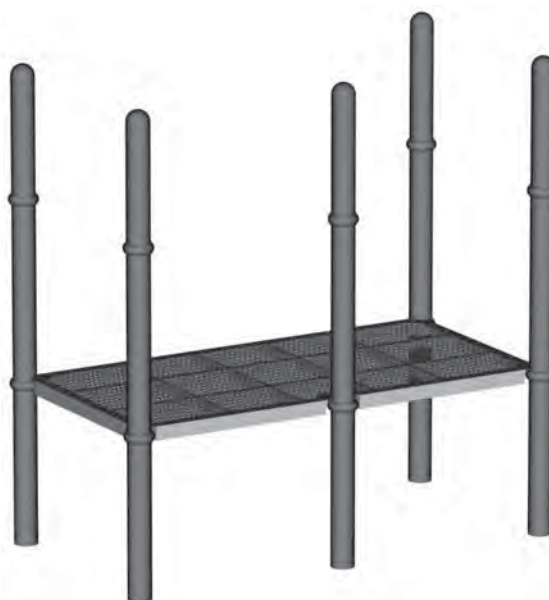


Footing Layout

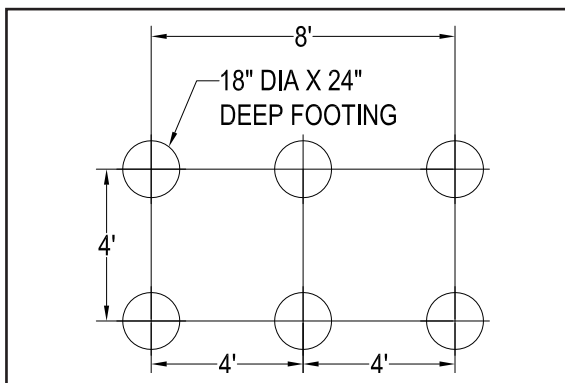
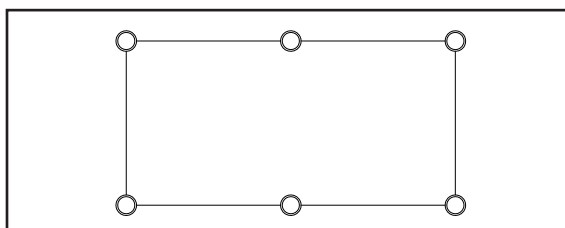
714-509-9

Rectangle Deck (Half Open)

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



Top View



Footing Layout

714-510-9

Rectangle Deck (Open)

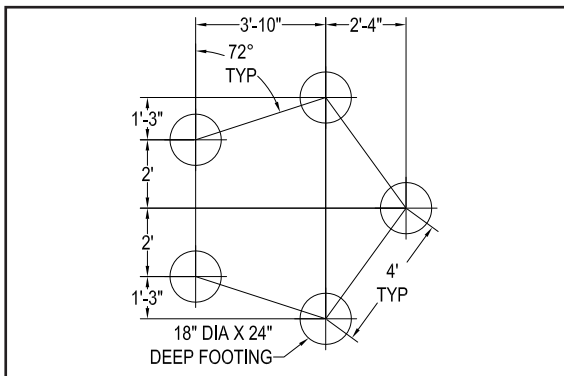
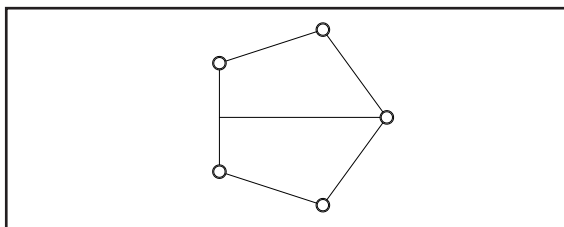
Model # 714-510-9 requires six (6) Posts.





Kids' Choice® - Mira-Therm II Decks

Top View

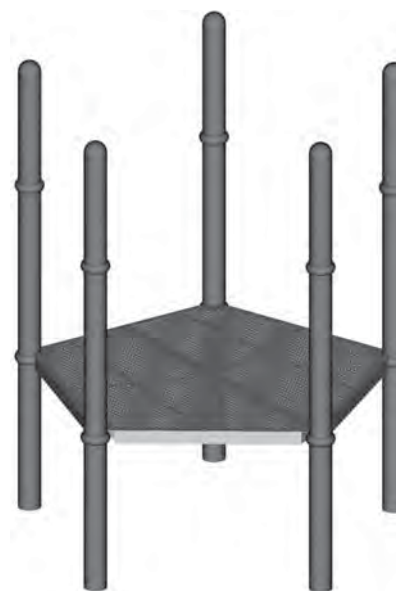


Footing Layout

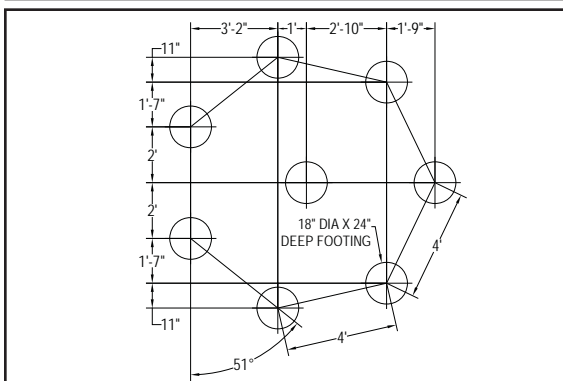
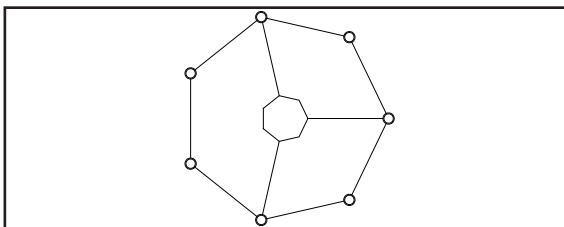
714-512-9

Pentagon Deck

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



Top View

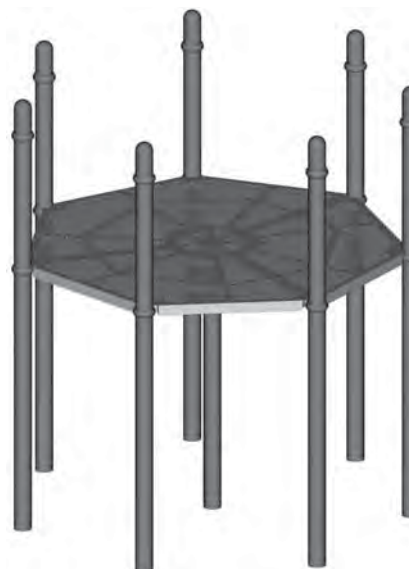


Footing Layout

714-517-9

Heptagon Deck

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





Kids' Choice® - Mira-Therm II Decks

PARTS IDENTIFICATION

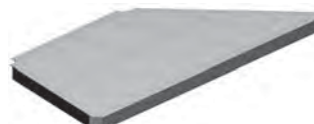
P/N 984352
TRIANGLE DECK



P/N 984351
SQUARE DECK



P/N 984353
HALF HEX DECK (FULL)



P/N 984407
HALF HEX DECK (OPEN)



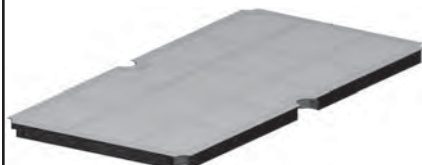
P/N 987225
RECTANGLE DECK (FULL)



P/N 987222
RECTANGLE DECK
(HALF OPEN)



P/N 984422
RECTANGLE DECK (OPEN)



P/N 990828
PENTAGON DECK
(LEFT HAND)



P/N 990835
PENTAGON DECK
(RIGHT HAND)



P/N 991376
3-SECTION HEPTAGON DECK



P/N 991382
2-SECTION HEPTAGON DECK



P/N 991616
HEPTAGON DECK CENTER
PLUG



Decks

714-501-9, 714-502-9, 714-503-9, 714-504-9, 714-508-9, 714-509-9, 714-510-9, 714-512-9, 714-517-9



Kids' Choice® - Mira-Therm II Decks

Each Deck system requires a number of Posts or Arches, available in various heights and configurations, to facilitate different Deck and component heights. Refer to *Top Views*, *Footing Layouts*, and *Construction Drawings* specifically for this installation to determine type and location of each Deck Post or Arch.

STEP 1 DIG FOOTINGS

Dig footings per *Footing Layout*, *Construction Drawings* and *Footing Details* installation.

Install Tip: Determine thickness of blocking material (such as patio blocks). Dig footings that amount deeper and place blocks beneath Deck Posts in footings. This gives playsystem additional stability and helps ensure it remains level and plumb until concrete is fully cured.

Note: Do not pour concrete for footings or permanently secure clamps to Posts until components illustrated in this installation guide have been installed per instructions and braced in position level and plumb.

STEP 2 POSTS INTO FOOTINGS

Set Posts into footings and verify that tops of plumb Posts are level on same (or correct) plane.

Note: One Arch functions as two Deck Posts. Legs of Arch may vary slightly in length. Plumb each Arch leg so that Arch Assembly stands plumb at desired height, and adjust footing depth or block up short leg as needed.



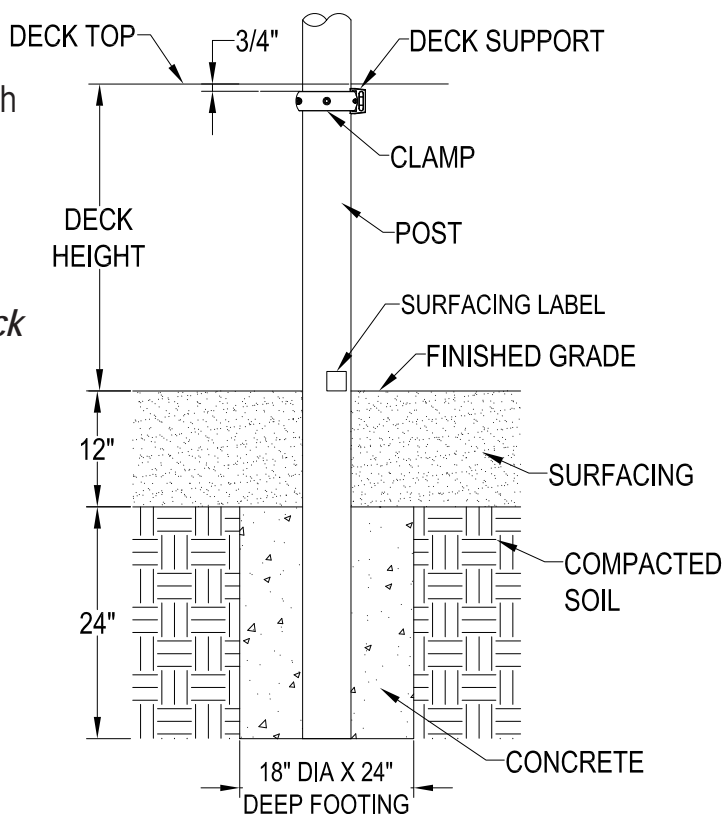
Kids' Choice® - Mira-Therm II
Decks

STEP 3 AFFIX DECK SUPPORT TO CLAMPS; CLAMPS TO POSTS

Refer to *Versalok Fastening System installation*. Place a Deck Support on each Clamp Ring and loosely assemble Clamp Ring halves around Posts so that tops of Clamps are approximately 3/4" below intended Deck height. Orient Deck Supports toward center of Deck.

Apply a "Top of Surfacing" label to each Deck Post 12" above compacted soil.

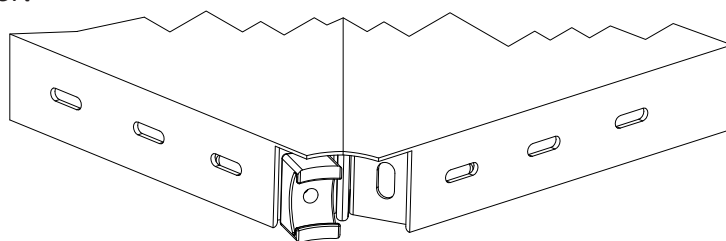
Note: If a Post must "share duty" by supporting an adjacent Deck system at equal height, slide all Deck Supports onto Clamp Rings before assembling to Posts.



STEP 4 REAM EXCESS PVC FROM MOUNTING HOLES

Use drill to ream excess PVC from Deck Support mounting holes in Deck corners.

Note: Ream excess PVC from only one half's corner bolt holes where they meet. There is room for only one Deck Support in the corner of the Pentagon Deck where the two Deck half's meet. Two Deck Supports may be used on the Heptagon Deck where the two Deck half's meet, therefore, both Deck Support bolt holes will need to have excess PVC reamed.



714-501-9, 714-502-9, 714-503-9, 714-504-9, 714-508-9, 714-509-9, 714-510-9, 714-512-9, 714-517-9



Kids' Choice® - Mira-Therm II
Decks

STEP 5 INSTALL DECK SYSTEM

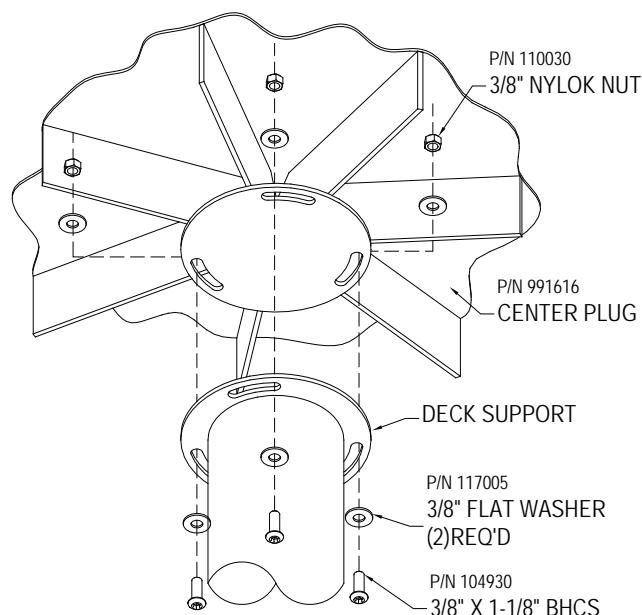
Refer to *Versalok Fastening System installation*. Rest Deck on Clamps, and plumb and brace Deck Posts in position. Readjust position of Clamps on Posts as needed to ensure that Deck is level at desired height.

Align Deck corner mounting holes with Deck Supports and attach each with **3/8" x 1-1/4" button head bolt** (P/N 104921) and **7/16" I.D. x 1" O.D. x 1/8" thick washer** (P/N 117072SS).

If installing Deck assemblies with multiple sections (e.g. Pentagon Deck, Half Hex Decks), fasten one half to Posts plumb and level before attaching second half.

For Model 714-517-9 only:

Attach perimeter deck sections together **prior** to installing center plug section. Affix center plug section to middle support post as shown, then thread entire center assembly down through perimeter deck sections. Bolt center plug section to Deck.



Install Tip: Employ a jack stand or other blocking material to support Deck system at proper height until other components are attached, to prevent leaning or twisting of Deck assemblies and to temporarily lend stability.

Install Tip: For aesthetic purposes, when certain that Clamps and Decks are at appropriate heights and any shared Clamps have necessary Supports, turn Clamp or Post so that self-drilling screw for Clamp-to-Post connection will be concealed behind Deck-to-Support connection (i.e. not visible from outside or beneath playsystem).



Kids' Choice® - Mira-Therm II Decks

STEP 6 DECK TO DECK ASSEMBLY, IF APPLICABLE

If installing Deck assemblies with sections sharing a long side at same height (without a middle Post), use drill to ream excess PVC from four (4) evenly-spaced mating bolt holes in long side edge angle on both Deck sections. Fasten Deck sections together with **3/8" x 1-1/8" 6-lobe button head bolts** (P/N 104930), **3/8" flat washers** (P/N 117005) on each side, and **Nylok nuts** (P/N 110030).

Attach deck sections which share a 4'-0" side at same or varying heights to common Posts per previous instructions. Deck-to-Deck fastening on a common 4'-0" side is not necessary.

FINAL STEP

Square, plumb and level Deck Assembly. Tighten Clamps on Posts, and assemble remaining components to Deck system. When complete, proceed with *Final Assembly installation*.

Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-518-28	XGEN Deck Hexagon Mega Tower® 2-Level, 2' & 8' Deck	2
714-518-410	XGEN Deck Hexagon Mega Tower® 2-Level, 4' & 10' Deck	2
714-518-612	XGEN Deck Hexagon Mega Tower® 2-Level, 6' & 12' Deck	2
714-518-C612	Deck Hexagon Mega Tower® 2-Level, 6' & Enclosed 12' Deck	2

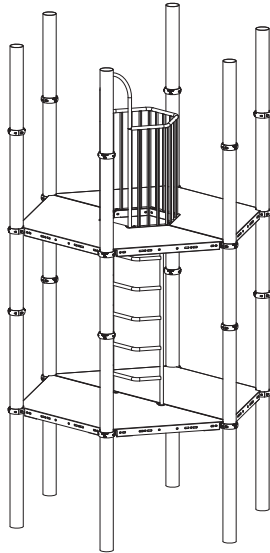
Note: An () by a part number (CODE) indicate: Color Code Required.*

TOOLS AND EQUIPMENT REQUIRED

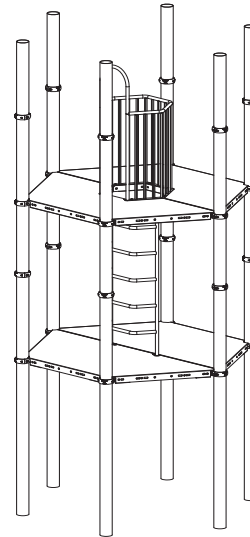
Refer to "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4's, wood pieces, concrete blocks, bricks, jack stands, saw horses, etc.)
4. Transit or laser level, tape measure, plumb bob, and carpenter's level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladders
8. Hammer and rubber mallet
9. Hand pullers (come-a longs)

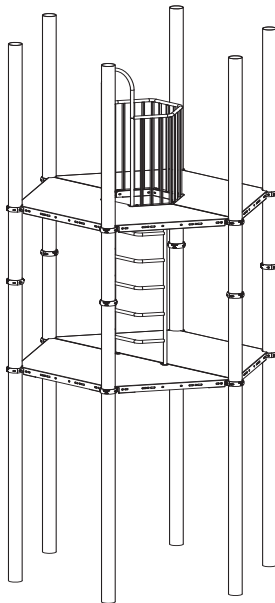
Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level**714-518-28****XGEN Deck Hexagon Mega Tower®
2-Level, 2' & 8'**

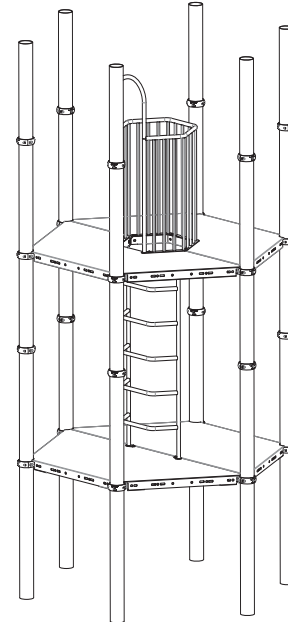
Protective Area: 18'-10" x 20'

714-518-410**XGEN Deck Hexagon Mega Tower®
2-Level, 4' & 10'**

Protective Area: 18'-10" x 20'

714-518-612**XGEN Deck Hexagon Mega Tower®
2-Level, 6' & 12'**

Protective Area: 18'-10" x 20'

714-518-C612**Deck Hexagon Mega Tower® 2-Level
6' & Enclosed 12'**

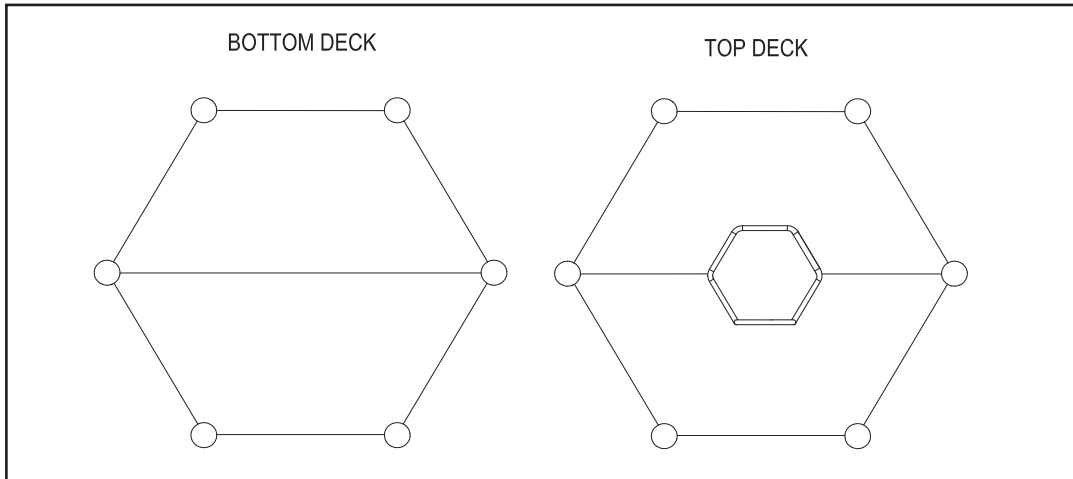
Protective Area: 18'-10" x 20'

Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level

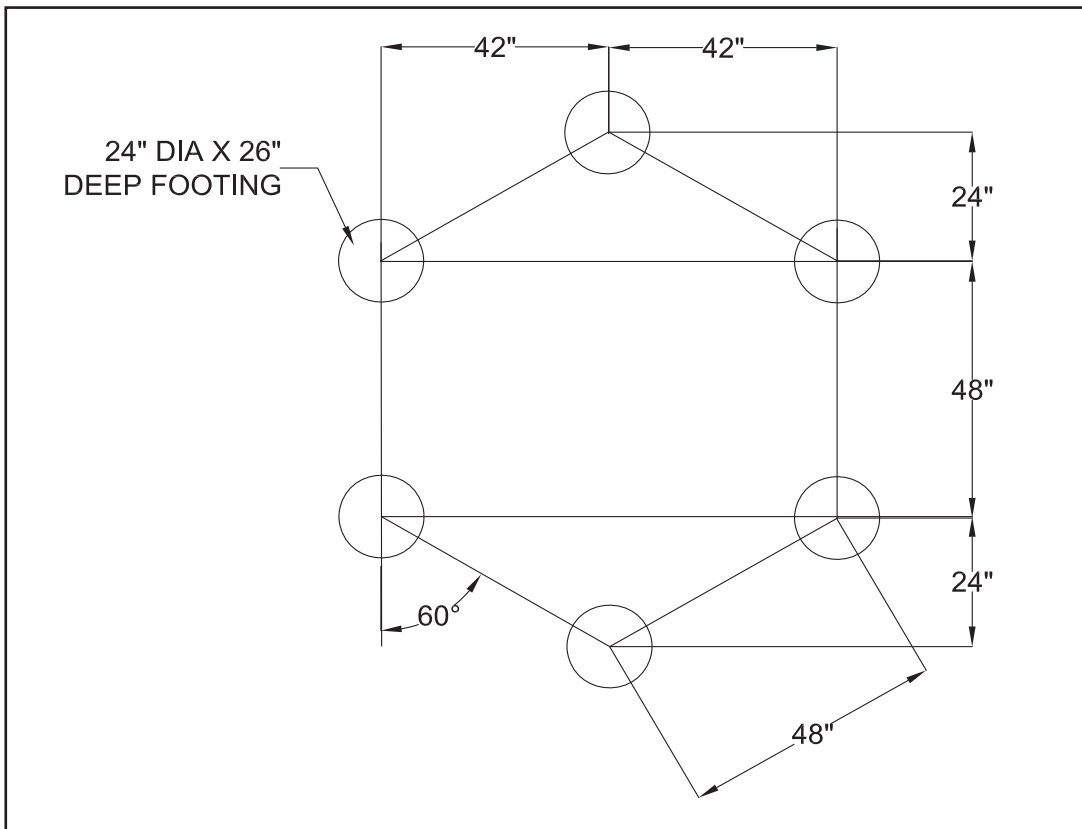
Models: 714-518-28, 714-518-410 and 714-518-612

Top Views - By Level



Note: Bottom and Top deck seams must align.

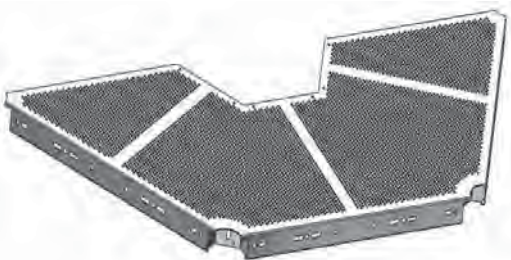
Footing Layout



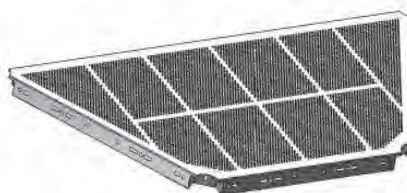
DECK HEXAGON MEGA TWR® 2-Level

714-518-28, 714-518-410, 714-518-612, 714-518-C612

Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level**PARTS IDENTIFICATION**

PN 906467*
HALF HEX CTR CLIMB DECK ASSEMBLY
QTY: 2



PN 984353*
DECK KC 1/2 HEX FPS
QTY: 2

POST ASSIGNMENTS
Model 714-518-28
PN 713818*, POST 5" OD X 204"

Model 714-518-410
PN 994097*, POST 5" OD X 228"

Model 714-518-612
PN 994407*, POST 5" OD X 252"

Model 714-518-C612
PN 996446*, POST 5" OD X 240"

QTY: 6 ea



PN 906462*
HALF HEX CTR CLIMB LADDER
FOR 2', 4' or 6' DECK ONLY
QTY: 1



PN 906471*
HALF HEX CTR CLIMB ENCL
FOR 8', 10' or 12' DECK
ONLY

Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level**STEP 1** DIG FOOTINGS

- 1a. Dig footings per *Footing Layout* and Construction Drawings.
- 1b. Verify correct depth of each hole, and set a **2" block** into bottom of each round perimeter footing for support of Posts.

Note: Do not pour concrete for footings. This will be performed in step 8.

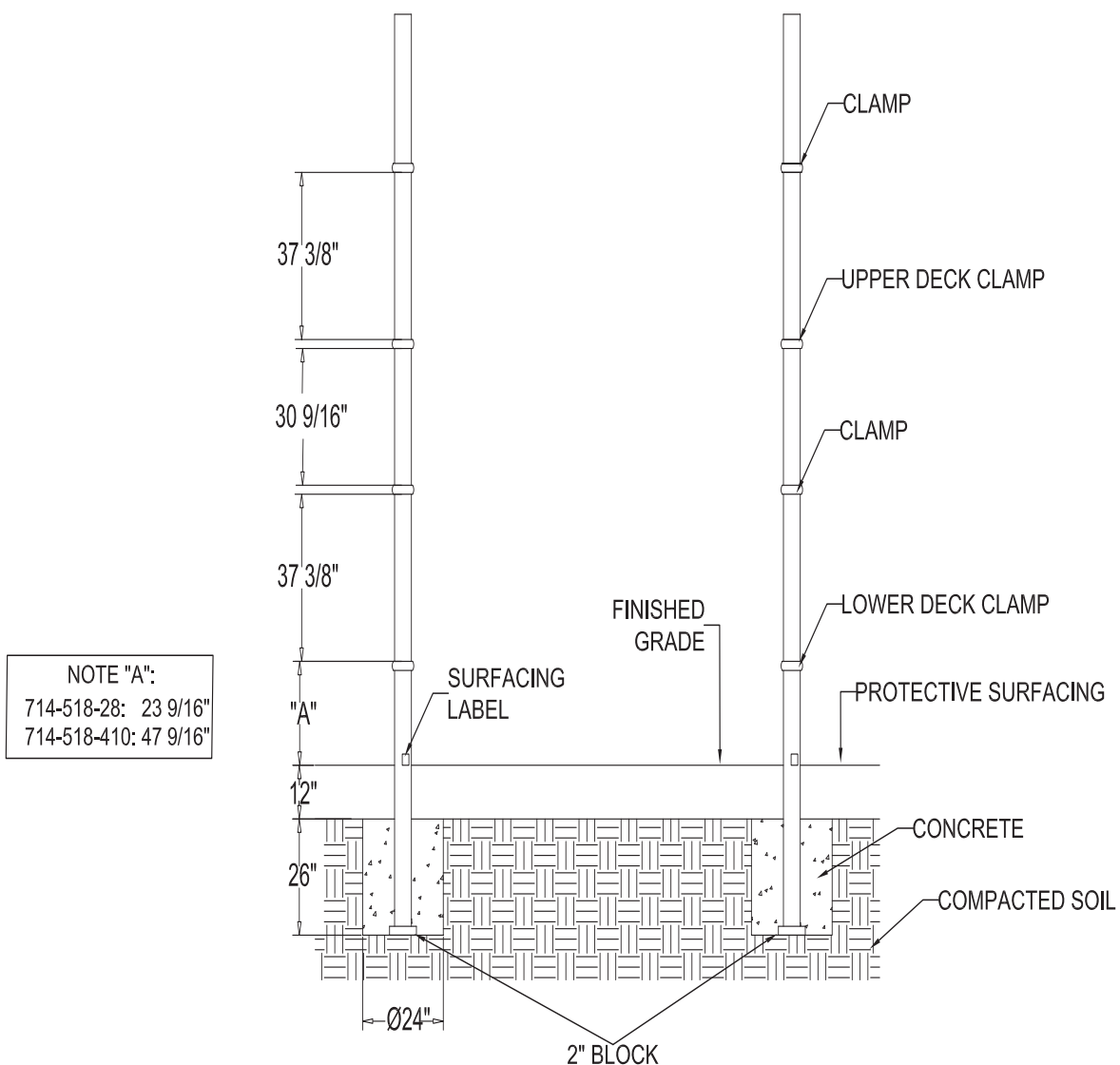
STEP 2 ATTACH CLAMPS TO POSTS

- 2a. Before setting posts into footings, slide one deck support casting onto (12) sets of clamp ring halves at listed heights for deck attachment.
- 2b. Tighten clamp rings but **do not** permanently secure to posts with self-drilling screws.
- 2c. Apply a "Top of Surfacing" label to each deck post 12" above the compacted soil.

Note: See illustrations on pages 6 & 7 for proper clamp heights.

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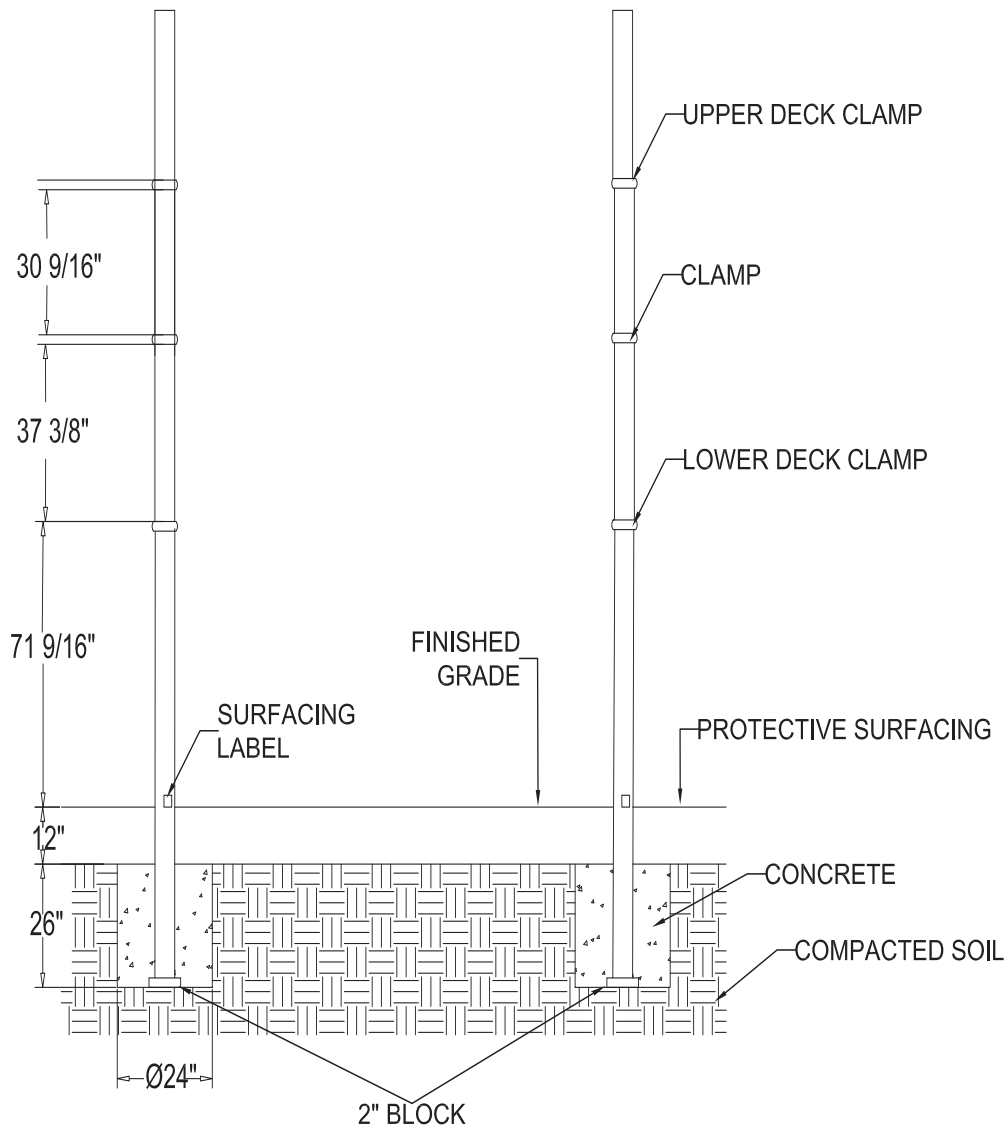
Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level**CLAMP HEIGHTS FOR MODELS: 714-518-28 and 714-518-410**

Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level

CLAMP HEIGHTS FOR MODELS: 714-518-612 and 714-518-C612



DECK HEXAGON MEGA TWR® 2-Level

714-518-28, 714-518-410, 714-518-612, 714-518-C612

Kids' Choice®

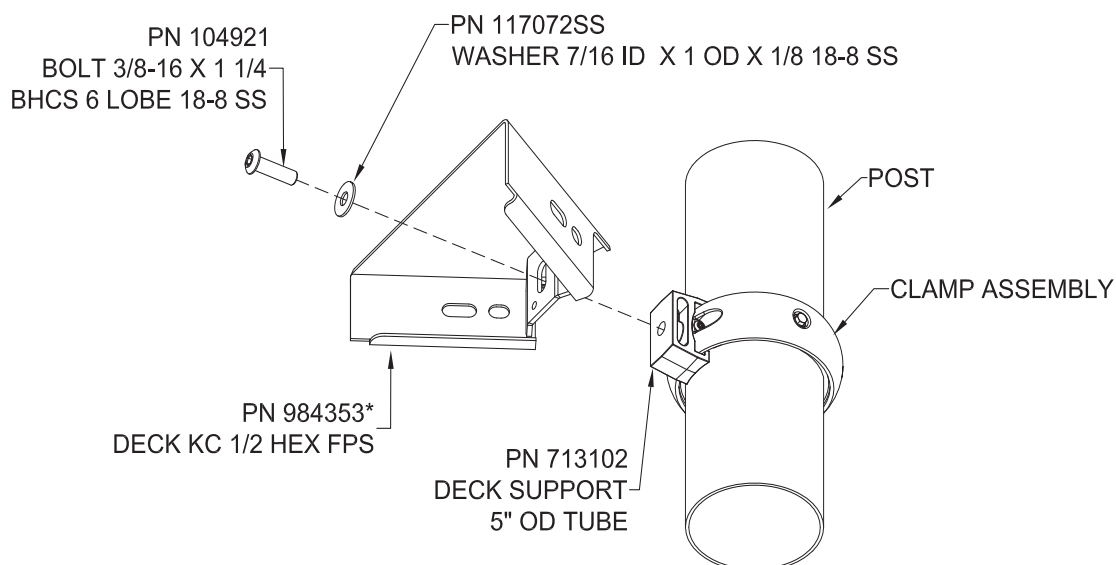
DECK HEXAGON MEGA TWR® 2-Level**STEP 3 SEAT POSTS INTO FOOTINGS**

- 3a. Seat perimeter posts into footings. Use transit or laser level to verify that post tops are level when plumb.
- 3b. Adjust footings or post heights as needed; apply a "Top of Surfacing" label to each deck post 12" above compacted soil.

Note: See illustrations on pages 6 & 7 for proper clamp heights.

STEP 4 ATTACH HALF HEXAGON DECK TO DECK SUPPORT CASTINGS

- 4a. Use a drill to ream excess PVC from deck support mounting holes in corners of Half Hexagon Center Climb Deck (**PN 984353***).
- 4b. Set deck on lower deck clamps of perimeter posts and adjust clamp heights as needed to ensure deck is level.
- Model 714-518-28: **24"** from finished grade
 - Model 714-518-410: **48"** from finished grade
 - Model 714-518-612: **72"** from finished grade
 - Model 714-518-C612: **72"** from finished grade
- 4c. Align deck support with the corner mount mounting holes and attach as shown. Ensure deck rests on top of clamps (no gaps). Secure four deck-supporting clamps to posts with self-drilling screws.

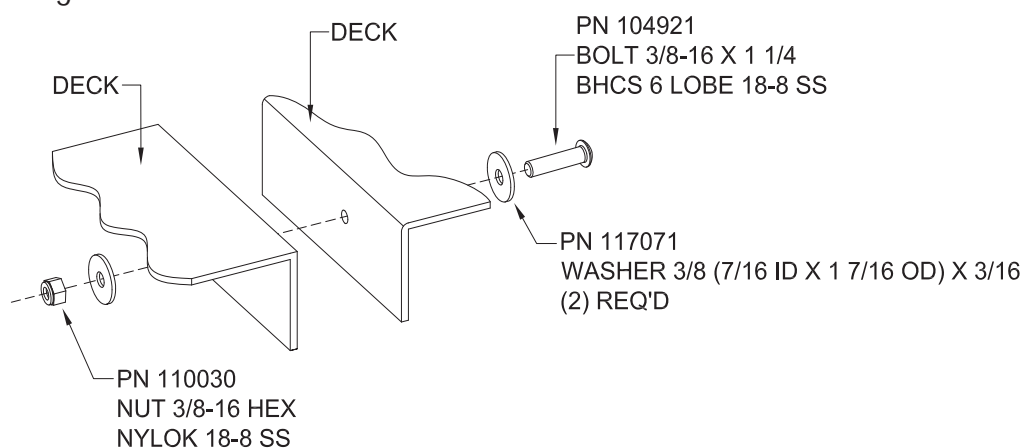


Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level

STEP 5 ENSURE DECK SECTIONS ARE FLUSH

5a. As posts and deck sections are added, use drill to ream excess PVC from eight (8) mating bolt holes between deck edges. Ensure that deck sections are flush and fastened together as shown.



STEP 6 ASSEMBLE TOP DECK

6a. Repeat **Steps 4 and 5** for assembly of top deck on top clamps. Ensure that deck assembly is level.

- Model 714-518-28: **96" (8'-0")** from finished grade
- Model 714-518-410: **120" (10'-0")** from finished grade
- Model 714-518-612: **144" (12'-0")** from finished grade
- Model 714-518-C612: **144" (12'-0")** from finished grade

6b. Plumb posts and ensure that deck rests on top of clamps (no gaps), before permanently securing clamps to posts with self-drilling screws.

STEP 7 PLUMB AND LEVEL DECKS; POUR CONCRETE

7a. Verify that decks are level at correct heights, posts are plumb and level, and entire assembly is braced in position.

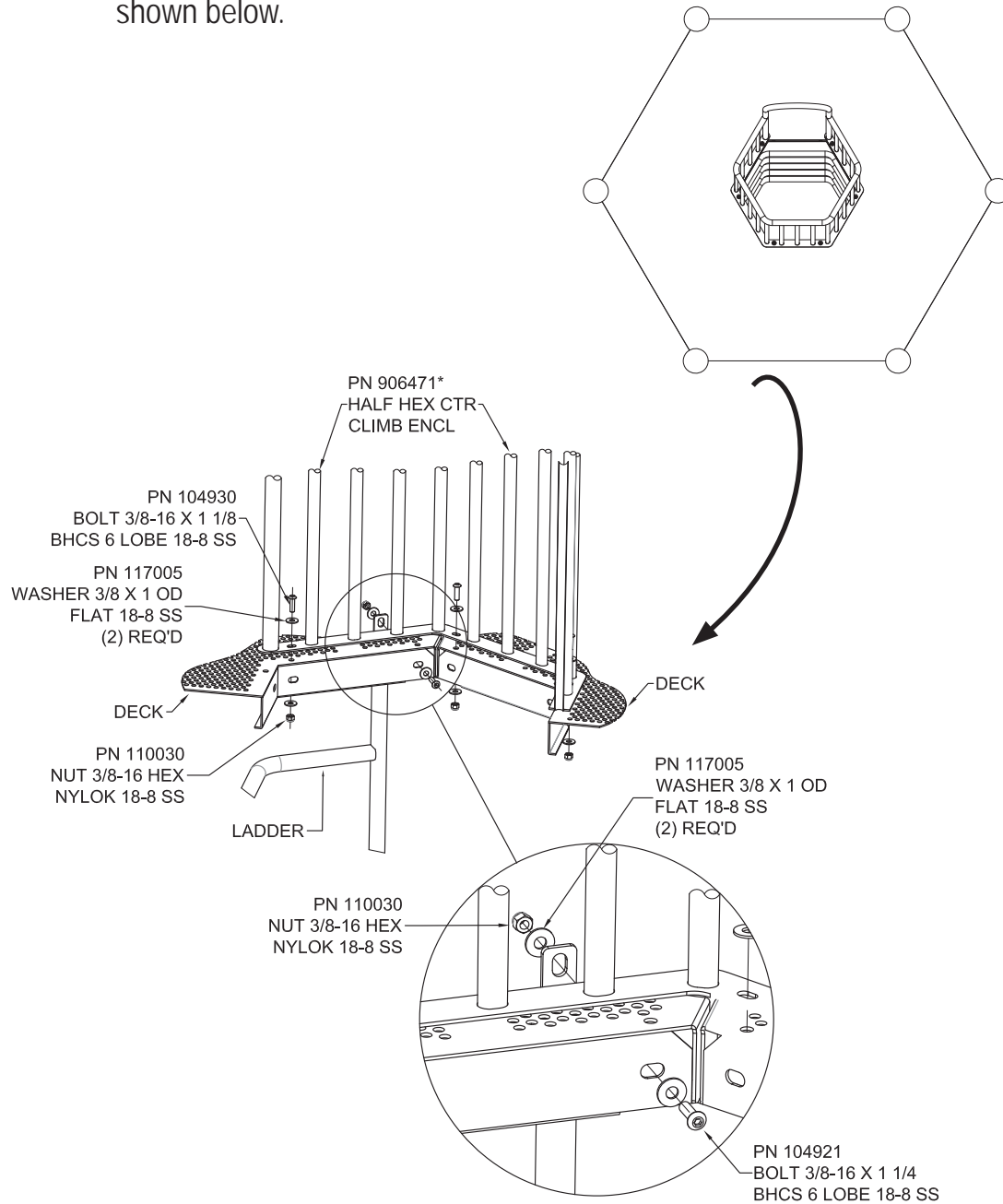
7b. Pour concrete to sub-grade level for Hexagon Mega Tower Deck System only.

Note: Rope off area to prevent access and do not proceed with installation until concrete has cured for at least 12 hours! Take care not to apply horizontal force or impact to installed components as concrete is still curing and has not yet reached its maximum strength.

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DECK HEXAGON MEGA TWR® 2-Level**STEP 8 AFFIX ENCLOSURE**

- 8a. Refer to *Top View Illustration* for top deck, noting orientation of enclosure. Center of ladder should be aligned with enclosure opening.
- 8b. Mate enclosure's bolt holes with holes in deck edges. Fasten enclosure to deck as shown below.

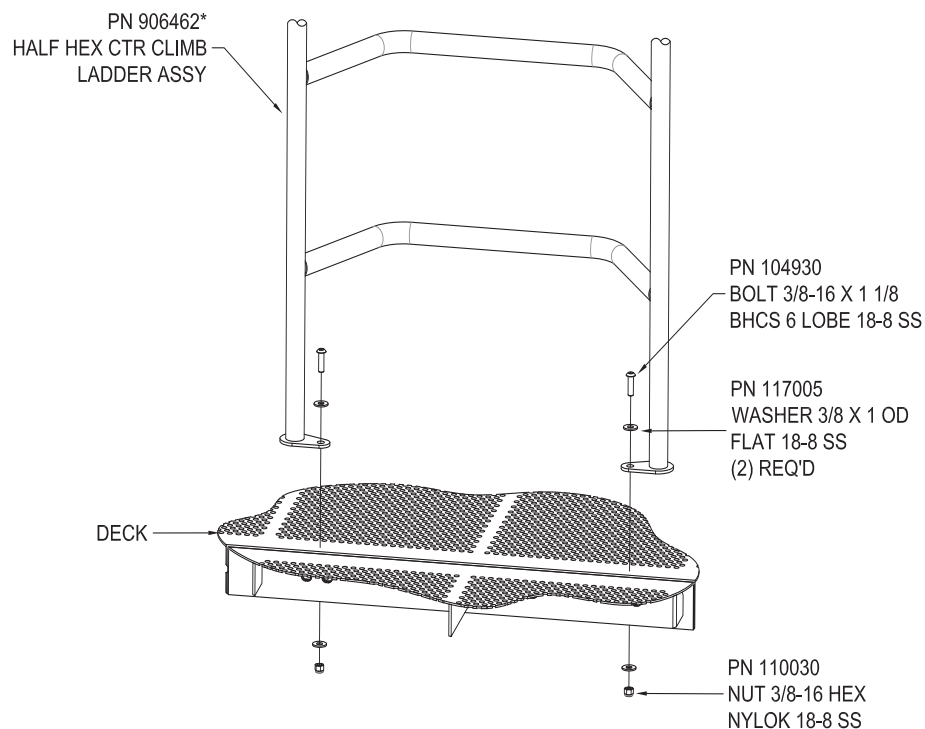


Kids' Choice®

DECK HEXAGON MEGA TWR® 2-Level

STEP 9 ATTACH LADDER

- 9a. Study *Top View illustration* for top deck, noting orientation of ladder between decks and in relation to enclosure.
- 9b. Using 3/8 x 1-1/8" bolt, attach top of ladder as shown in *Step 8 illustration*, reaming excess PVC from bolt holes if necessary. Finger tighten bolts.
- 9c. Adjust ladder until plumb and level with deck. Mark ladder mounting tabs bolt hole locations on deck. Drill holes through deck in marked locations.
- 9d. Re-level ladder and bolt ladder mounting tabs to deck. Tighten all hardware.



FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

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DECK HEXAGON MEGA TWR® 2-Level**Bill of Material****714-518-28**

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
6	713818*	POST 5" OD X 204"
2	906467*	HALF HEX CTR CLIMB DECK ASSY
2	984353*	DECK KC 1/2 HEX FPS
1	906462*	HALF HEX CTR CLIMB LADDER ASSY
1	906471*	HALF HEX CTR CLIMB ENCL ASSY
1	903410*	PC F/DECK HEX MEGA TWR

PARTS CARTON - 903410*

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
48	713010*	CLAMP RING 5" DIA
16	713102	DECK SUPPORT 5" OD TUBE
1	HW903410-1	HRDW PKG DECK HEX MEGA TWR 2'8' L1/1
8	HW912284-1	HRDW PKG CLMP HRWX3 S1/1

HW903410-1

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
34	104921	BOLT 3/8-16 X 1 1/4 BHCS 6 LOBE 18-8 SS
8	104930	BOLT 3/8-16 X 1 1/8 BHCS 6 LOBE 18-8 SS
26	110030	NUT 3/8-16 HEX NYLOK 18-8 SS
20	117005	WASHER 3/8 X 1 O.D. FLAT 18-8 SS
32	117071	WASHER 3/8 (7/16 ID X 1 7/16 OD) X 3/16
16	117072SS	WASHER 7/16 ID X 1 OD X 1/8 18-8 SS
1	HWS714521	HARDWARE IMAGE 714521

HW912284-1

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
6	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK
6	104749	BOLT 1/4-20 X 1 1/4 BHCS 6 LOBE 18-8 SS
6	104942	INSULATOR, SCREW, 1/4 DIA HOLE X 3/8
1	HWSClampASSY	HARDWARE IMAGE CLAMP ASSY



MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

October 19, 2009

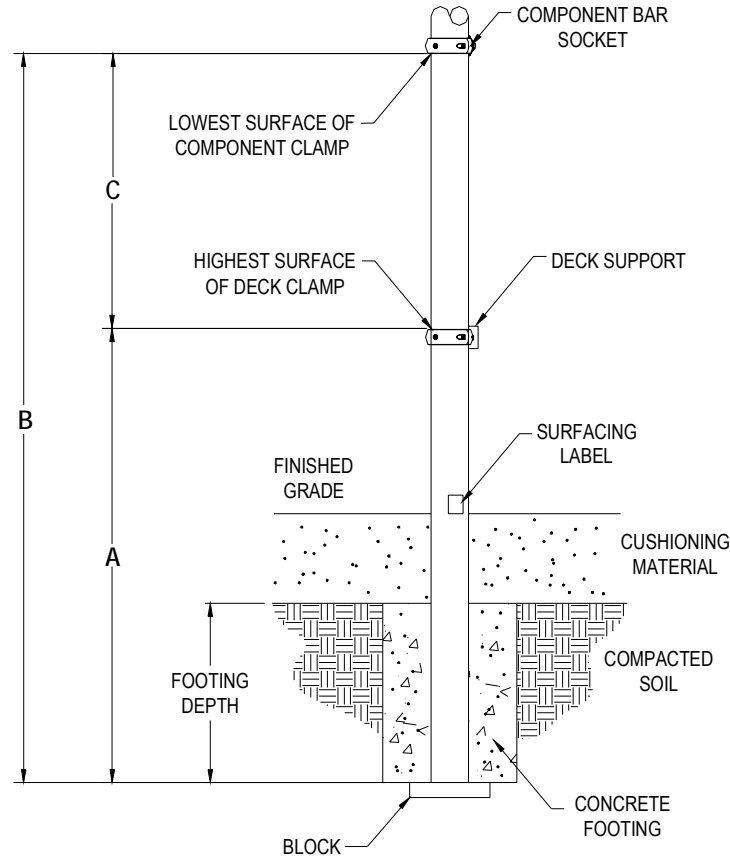
Rev. B

Kids' Choice® & City Park Series

Pre-Installation Preparation of Clamps to Deck Posts

This procedure is an optional step for playsystem installations.

Clamp Locations on Posts by Deck Height



Deck Ht.	A *	B *	C	Deck Ht.	A *	B *	C
0'-6"	41-1/4"	78-5/8"	37-3/8"	5'-6"	101-1/4"	138-5/8"	37-3/8"
1'-0"	47-1/4"	84-5/8"	37-3/8"	6'-0"	107-1/4"	144-5/8"	37-3/8"
1'-6"	53-1/4"	90-5/8"	37-3/8"	6'-6"	113-1/4"	150-5/8"	37-3/8"
2'-0"	59-1/4"	96-5/8"	37-3/8"	7'-0"	119-1/4"	156-5/8"	37-3/8"
2'-6"	65-1/4"	102-5/8"	37-3/8"	7'-6"	125-1/4"	162-5/8"	37-3/8"
3'-0"	71-1/4"	108-5/8"	37-3/8"	8'-0"	131-1/4"	168-5/8"	37-3/8"
3'-6"	77-1/4"	114-5/8"	37-3/8"	8'-6"	137-1/4"	174-5/8"	37-3/8"
4'-0"	83-1/4"	120-5/8"	37-3/8"	9'-0"	143-1/4"	180-5/8"	37-3/8"
4'-6"	89-1/4"	126-5/8"	37-3/8"	9'-6"	149-1/4"	186-5/8"	37-3/8"
5'-0"	95-1/4"	132-5/8"	37-3/8"	10'-0"	155-1/4"	192-5/8"	37-3/8"

* Dimensions measured from bottom end of Deck Post

Note: The values in this chart assume 24" deep footing plus 12" protective surfacing. If planned drainage system or other factors affect height of finished grade, adjust chart values accordingly.

Special thanks to the crew of Ozark Mountain Installations, Inc. in Monett, Missouri, for recommending this procedure.

Pre-Install Prep - Clamps to Deck Posts

714-522

Kids' Choice & City Park Series

Pre-Installation Preparation of Clamps to Deck Posts

Many installers prefer to assemble Deck-supporting Clamps and corresponding Component-supporting Clamps around Deck Posts at correct heights all at once as part of their "prep work," in order to save time and effort during installation of other playsystem components.

Miracle's *Installation Guides* provide dimensions and instructions for mounting each model and its parts individually and consecutively, regardless of whether this prep work is completed. It is at the installers' discretion whether to reference this procedure.

The instructions, diagram and chart herein refer to locations for marking and connecting Clamps around Deck Posts only (i.e. Posts without Decks do not apply.) Refer to *Versalok Fastening System* installation instructions in this *Manual* for assembly details.

Note: Do not use self-drilling screws to secure Clamps to Posts until all components in system have been installed per instructions, and are plumb, level and braced in position. This will allow Clamps to be shifted as needed during installation of remaining components.

It is important to note that until Clamps are permanently secured, Deck systems and other components are UNSAFE TO STAND ON!

Note: This procedure is valid only if footing depths are precise and consistent. Continue only if a transit or other device will be used to verify accuracy.

If Blocks will be placed beneath Deck Posts at bottom of footing holes as recommended, compensate for extra height by digging holes deeper. Refer to *Footing Details*.

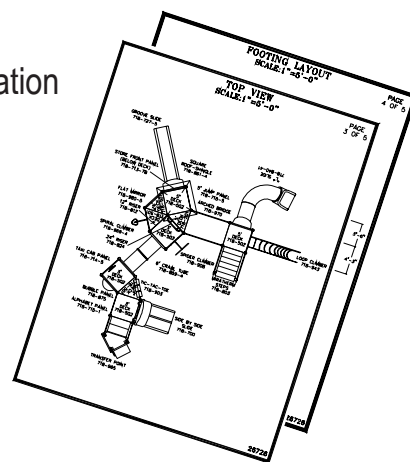
STEP 1

Remove wrapping from Deck Posts, verifying that Part Identification Labels match Parts Lists in this *Installation Manual*.

STEP 2

Study enclosed *Top View* and *Footing Layout*, located behind "Construction Drawings" tab.

Locate all Deck Posts in playsystem.



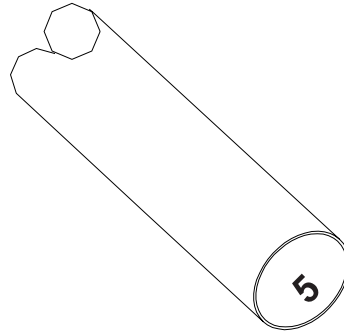


Kids' Choice & City Park Series

Pre-Installation Preparation of Clamps to Deck Posts

STEP 3

Plan installation sequence of Decks and other system components. Assign each Deck Post a number. Write numbers by Posts on *Footing Layout* or *Top View* for later reference, then use a permanent marker to write identical numbers inside bottom of corresponding Deck Posts.

**STEP 4**

Place Deck Posts on sawhorses or other sturdy, non-abrasive surface.

Note intended usage and location of each Deck Post (for which Deck heights), and refer to chart on *Page 1*. Measure from bottom of each Deck Post and mark location of highest surface of Deck-supporting Clamp (A), *not Deck Support*.

STEP 5

Refer to *Versalok Fastening System # 714-500 Installation Guide*. Slide Deck Supports onto Deck-supporting Clamp halves, and assemble both halves of Clamp Rings around Deck Posts tightly, aligning top surface of Clamp Ring (*not Deck Support*) with mark.

STEP 6

Measure and mark Deck Post at lowest surface of Component-supporting Clamp (B).

STEP 7

Assemble Component-supporting Clamp Ring halves around Deck Posts at marks. Verify that distance between A and B is (C) value in third column of chart. Some installers prefer to affix Bar Sockets to Clamps at this stage, based on components shown in *Top View*.

FINAL STEP

Repeat procedure starting at *Step 4* until all Deck Posts are position-planned, numbered, and assembled with Clamp Rings and Deck Supports, when applicable.



Installation Guide

Mega Tower®

2-Level Deck - 4' & 10'

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.

Models included in this installation guide:

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-523	Mega Tower® 2-Level Deck - 4' & 10'	2

Please refer to Construction Drawings for the model particular to your system.

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, concrete blocks, bricks, jack stands, sawhorses, etc.)
4. Transit or laser level, tape measure, plumb bob, and carpenter's level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladders
8. Hammer and rubber mallet
9. Hand pullers (Come-alongs)
10. Adult installers - 4 minimum

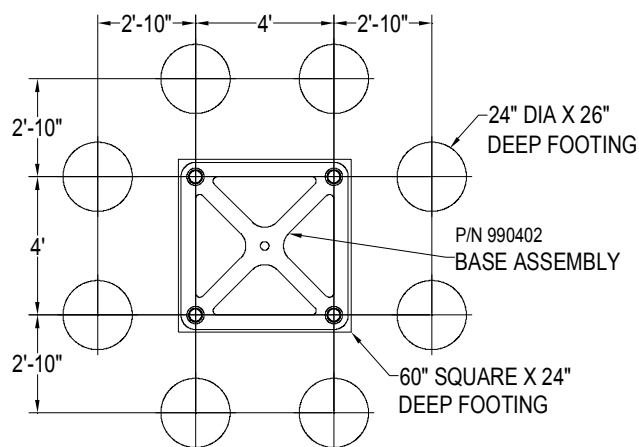
Mega Tower® 2-Level Deck

714-523

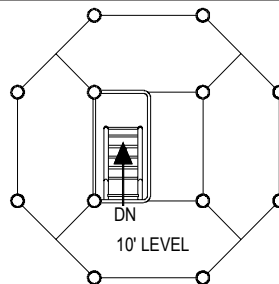
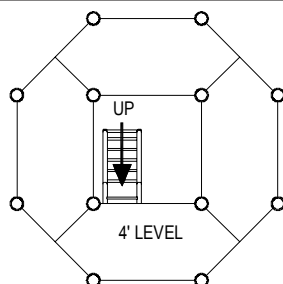
Mega Tower® 2-Level Deck

Assembly shown with Model # 714-862-8 Roof for Octagon Deck (Steel Panels) and # 714-862-8C Cupola for Octagon Roof, not included. Model requires a roof, barriers and other play events.

Footing Layout



Top Views (by level)



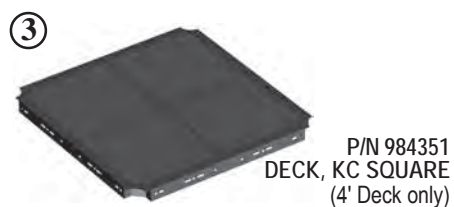


Mega Tower® 2-Level Deck

PARTS IDENTIFICATION

Individual parts not to scale

Roof and Cupola not
included in this
assembly.



④ x 12

① x 1

② x 4

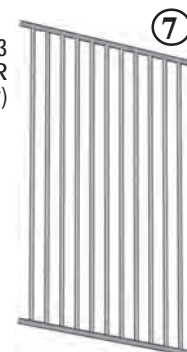
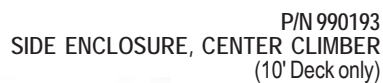
⑤ x 1

③ x 1

② x 4

⑥ x 1

⑦ x 1



Mega Tower® 2-Level Deck

STEP 1 DIG FOOTINGS

Dig footings per *Footing Layout* and Construction Drawings. Place Base Assembly (P/N 990402) in footing hole and square with perimeter footing centers. Verify correct depth of each hole, and set a 2" block into bottom of each round perimeter footing for support of Posts.

STEP 2 ATTACH CLAMPS TO POSTS

See illustration on pages 6 for proper Clamp heights.

Refer to *Versalok Fastening System installation* located behind *Installations 101* in Installation Manual. Before setting Posts into footings, slide one Deck Support Casting onto 22 sets of Clamp Ring halves at listed heights for Deck attachment.

Loosely assemble two Bar Sockets to 16 sets of Clamp Ring halves at listed heights for Component attachment.

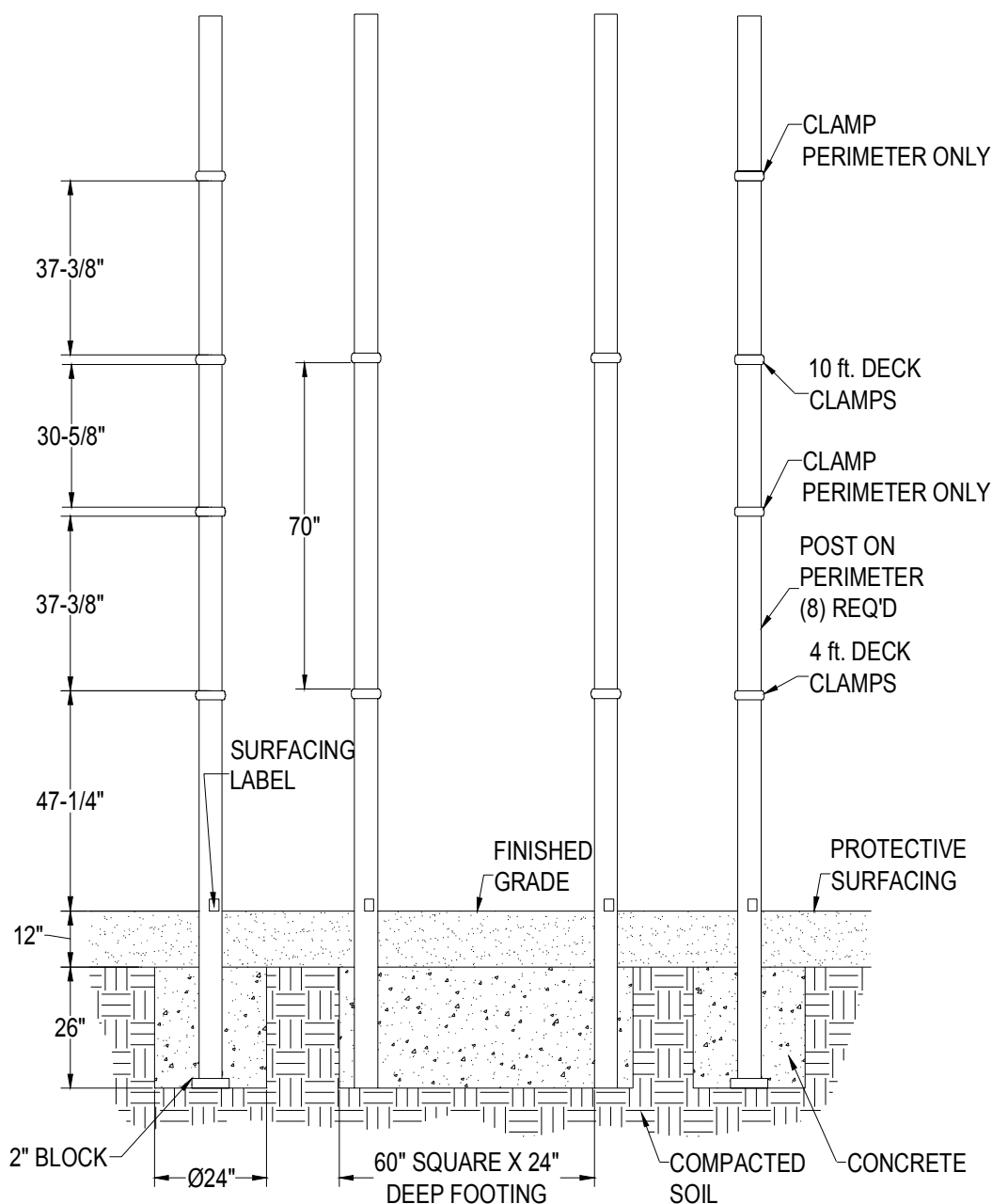
Tighten Clamp Rings. Double check dimensions prior to permanently securing to Posts with self-drilling screws!

Place Post Caps (P/N 713017) into top ends of four center Posts. Use rubber mallet to drive Caps into fully seated positions.

Apply a "Top of Surfacing" label to each Deck Post 12" above the compacted soil.



Mega Tower® 2-Level Deck



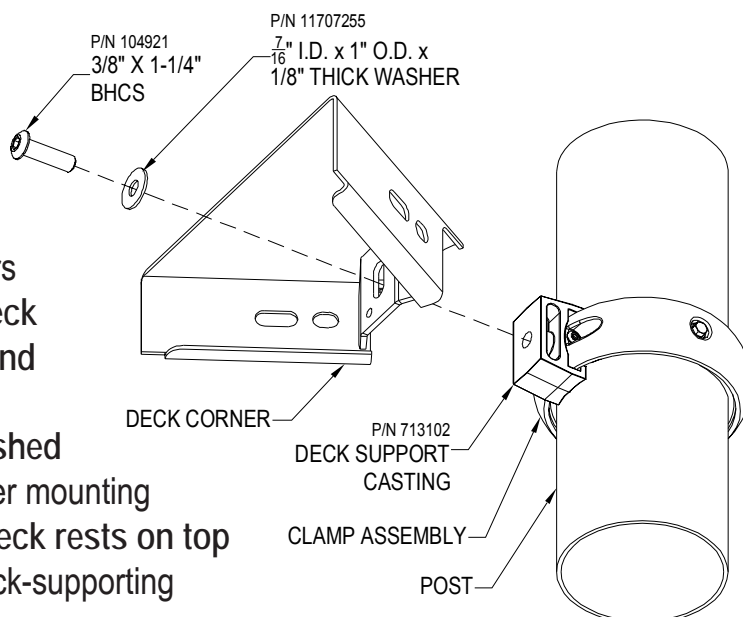
STEP 3 SEAT POSTS INTO FOOTINGS

Seat four Posts (with Deck-supporting Clamps and Post Caps) on Base Assembly stubs in footing hole. Set perimeter Posts into footings as well. Use transit or laser level to verify that Post tops (without caps) are level when plumb. Adjust footings or Post heights as needed. Apply a "Top of Surfacing" label on each Deck Post 12" above compacted soil.

Mega Tower® 2-Level Deck

STEP 4 ASSEMBLE 4' DECK

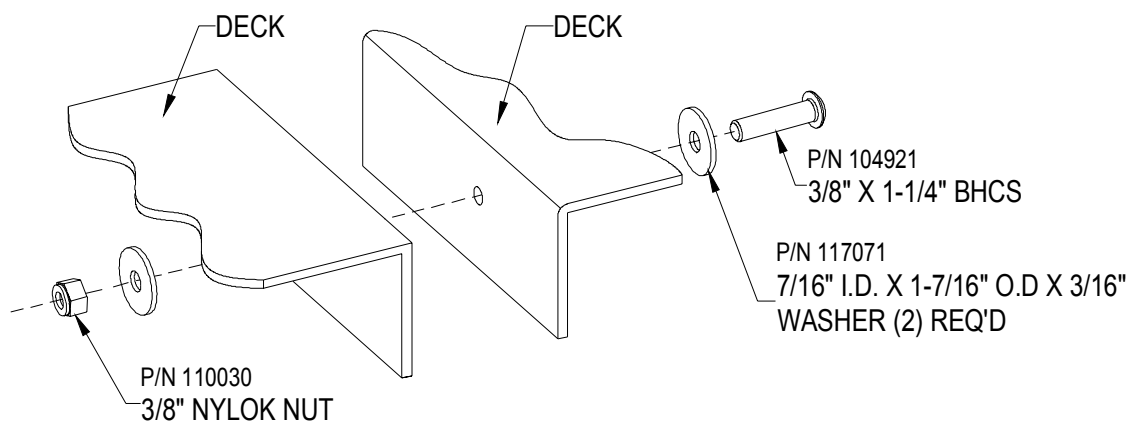
Use drill to ream excess coating from Deck Support mounting holes in corners of Square Deck (P/N 984351). Set Deck on bottom Clamps of center Posts and adjust Clamp heights as needed to ensure Deck is level at 48" from finished grade. Align Deck Supports with corner mounting holes and attach as shown. Ensure Deck rests on top of Clamps (no gaps). Secure four Deck-supporting Clamps to Posts with self-drilling screws.



To help keep Posts plumb while assembling perimeter Decks, temporarily affix an unpainted Rung (P/N 713110) between them using Bar Sockets. Refer to *Versalok Fastening System installation*.

Repeat for Octagon Perimeter Decks (P/N 990136), attaching them to Deck Supports on Posts while ensuring assembly remains level.

As Posts and Deck sections are added, use drill to ream excess deck coating from four (4) mating bolt holes between Square Deck and Octagon Perimeter Deck edges, and from two (2) mating bolt holes between paired Octagon Perimeter Deck edges. Ensure that Deck sections are flush, and fasten together as shown.





Mega Tower® 2-Level Deck

STEP 5 ASSEMBLE 10' DECK

Repeat *Step 4* for assembly of 10' Deck on top Clamps. Ensure that Deck Assembly is level at 120" (10'-0") from finished grade on plumb Posts, and that Deck rests on top of Clamps (no gaps), before permanently securing Clamps to Posts with self-drilling screws.

Attach perimeter Deck sections first, followed by center Half Square Deck (P/N 990137) to inner edge of Octagon Perimeter Decks in four (4) mating bolt holes on long side and two (2) mating bolt holes on short sides.

Note: Half Square Deck placement determines orientation of Enclosure and Ladder.

Verify that 4' Deck and 10' Deck are level at correct heights, all Posts are plumb and level, and entire assembly is braced in position. Pour concrete to subgrade level for Mega Tower Deck System only.

Rope off area to prevent access, and do not proceed with installation until concrete has cured for at least 12 hours! Take care not to apply horizontal force or impact to installed components as concrete is still curing and has not yet reached its maximum strength.



Mega Tower® 2-Level Deck

STEP 6 REMOVE UNPAINTED RUNGS

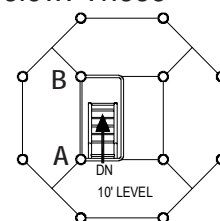
Detach unpainted Rungs from Clamps, but allow Bar Sockets and Clamps to remain on Posts for future component assemblies (per separate instructions). Rungs may be re-used above 10' Deck as needed for stability and safety barriers as desired.

STEP 7 AFFIX CLAMP RINGS AND BAR SOCKETS FOR ENCLOSURES

Refer to *Versalok Fastening System installation*. Locate two Posts in corners of rectangular opening in 10' Deck (i.e. those NOT in corners of Half Square Deck). Loosely assemble Clamp Rings around those Posts, one just above 10' Deck and another approximately 65" (5' 5") higher (final locations will be set by Enclosure rails).

Study *Top View illustration* for 10' Deck, noting orientation of Ladder between Decks (to be installed in *Step 9*). Loosely assemble Bar Sockets to Clamps per chart below. These Clamps and castings will support Enclosure.

*Top View
10' Deck*



CLAMP CASTINGS FOR 2 POSTS IN CORNERS OF OPENING IN 10' DECK

Top Clamps on both Posts 2 Bar Sockets each

Bottom Clamp on "A" Post to left of (nearest) Ladder top 1 Bar Socket

Bottom Clamp on "B" Post opposite (farthest from) Ladder top.. 2 Bar Sockets



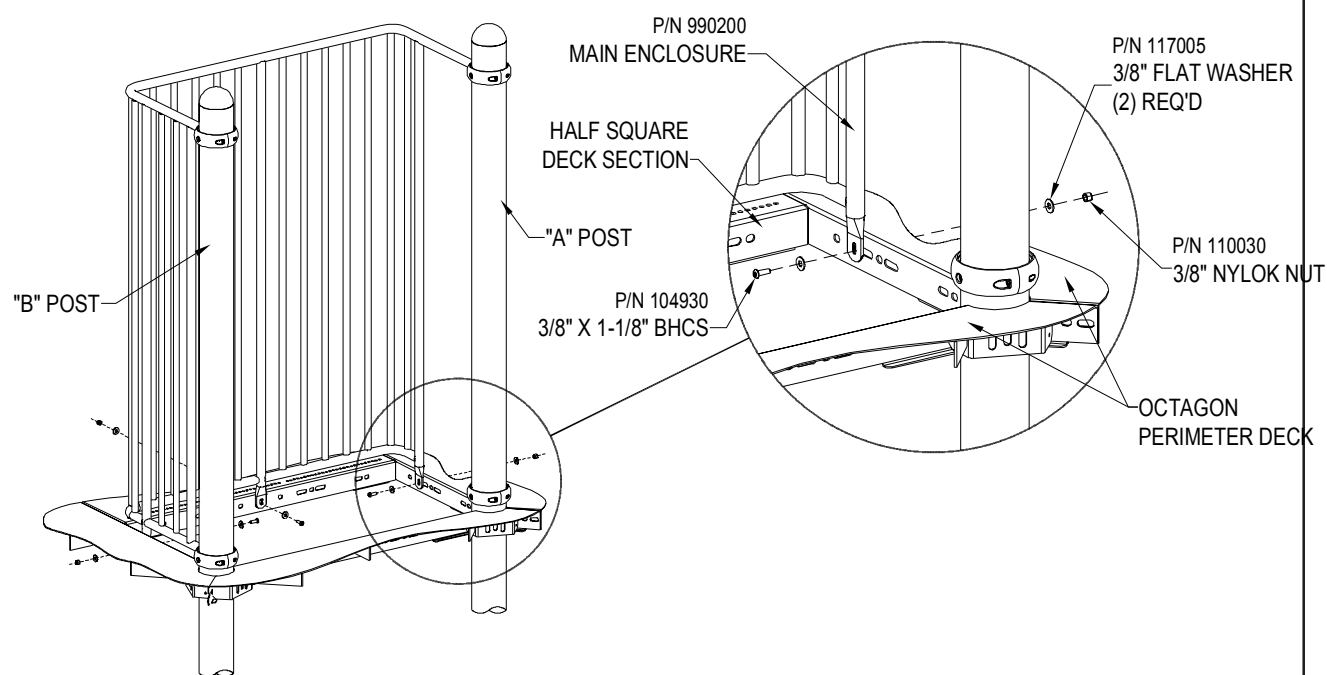
Mega Tower® 2-Level Deck

STEP 8 BOLT ENCLOSURES TO DECK

Refer to Parts Identification on page 3. Position Main Enclosure (P/N 990200) within opening in 10' Deck, its longer side over edge of Half Square Deck section. Mate Enclosure's slotted tabs with holes in Deck edges. Ream excess deck coating from only those holes in Deck. Replace Main Enclosure, aligning holes and inserting its three rail ends into Bar Sockets (re-position Clamps as needed). Fasten Enclosure to Deck as shown.

Refer to *Versalok Fastening System installation*. Plumb and level Main Enclosure and secure rails in Bar Sockets, Bar Sockets on Clamps, and Clamp Rings around Posts.

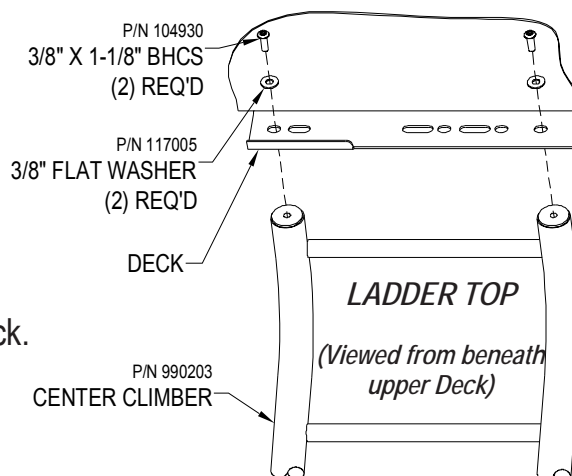
Place top and bottom rail ends of Side Enclosure (P/N 990193) into Bar Sockets of "A" and "B" Posts (per *Step 7 illustration*) to complete enclosure of opening in 10' Deck. Plumb and level Side Enclosure and secure rails in Bar Sockets, Bar Sockets to Clamps, and Clamp Rings around Posts.



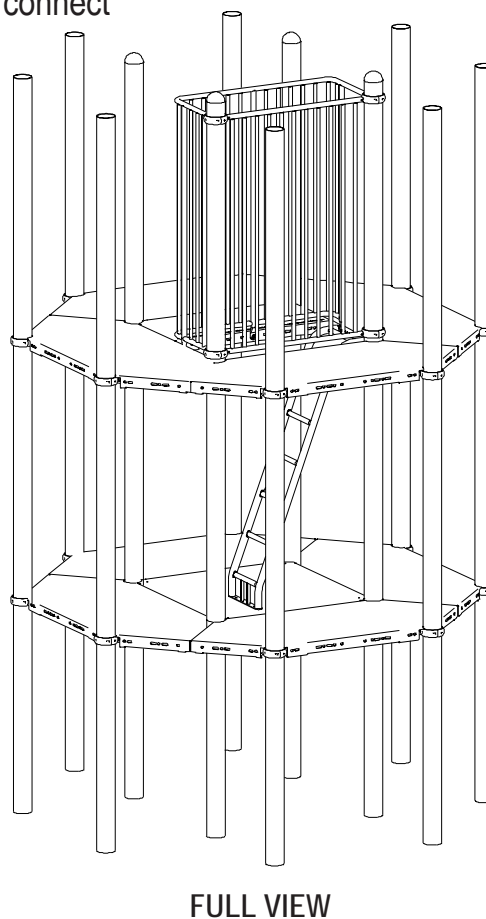
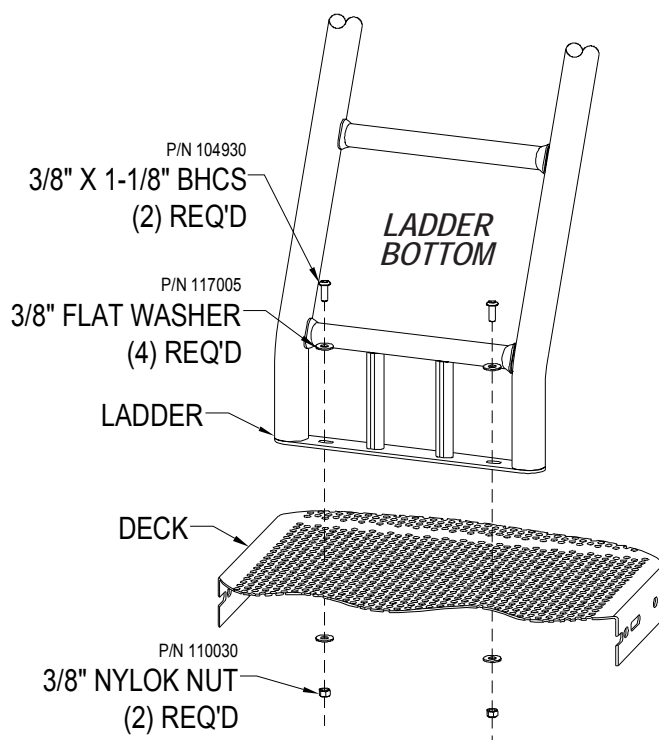
Mega Tower® 2-Level Deck

STEP 9 ATTACH LADDER

Position Ladder (P/N 990203) between surface of 4' Deck and edge of 10' Deck at Enclosure assembly opening. Align threaded inserts in tops of rails with bolt holes in edge of 10' Deck. Use drill to ream excess coating from only those holes in Deck.



Ensure mounting plate at Ladder bottom is flat on surface of 4' Deck. Mark the two bolt hole locations and use drill to expand holes to 3/8" diameter. Replace Ladder and connect to Decks per these illustrations.



FULL VIEW



Mega Tower® 2-Level Deck

STEP 10 INSTALL REQUIRED COMPONENTS

Prepare to install required Roof for Octagon Deck with Cupola, or Treehouse Roof for Octagon Deck, atop perimeter Posts next, followed by additional components per separate instructions.

FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.



Installation Guide

July 27, 2011

Rev. G

MIRACLE
RECREATION EQUIPMENT COMPANY

Kids' Choice® - Mira-Therm II

ATA Turnaround Decks with **Closed** and **Open** Wall Enclosures

714-548-629 & 714-548-6229*

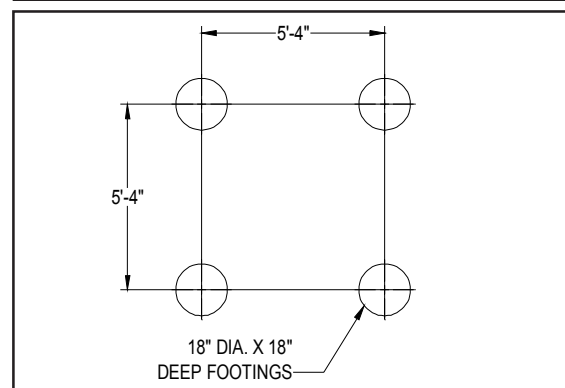
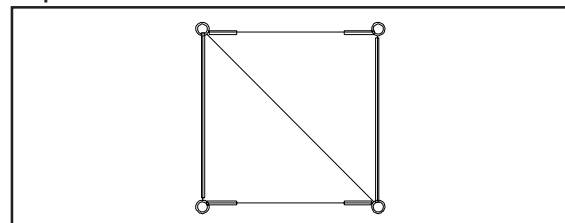
ATA Deck with Closed Wall Enclosure and Steel Posts

* Model # 714-548-6229 ATA Deck with Closed Wall Enclosure and Aluminum Posts differs in material only. Installation is identical.



714-548-659 & 714-548-6529

Top View



Footing Layout

714-548-629 & 714-548-6229

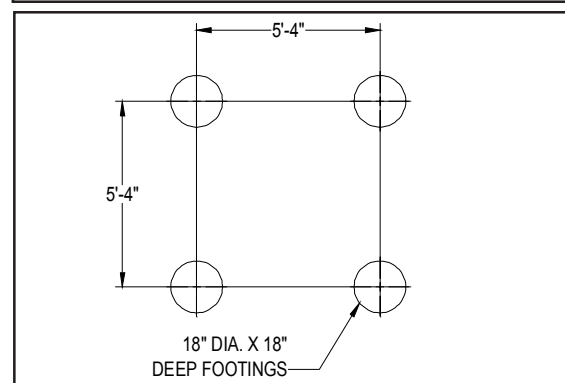
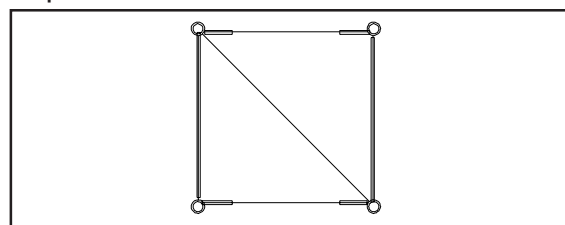
ATA Deck with Open Wall Enclosure and Steel Posts

* Model # 714-548-6529 ATA Deck with Open Wall Enclosure and Aluminum Posts differs in material only. Installation is identical.



714-548-659 & 714-548-6529*

Top View

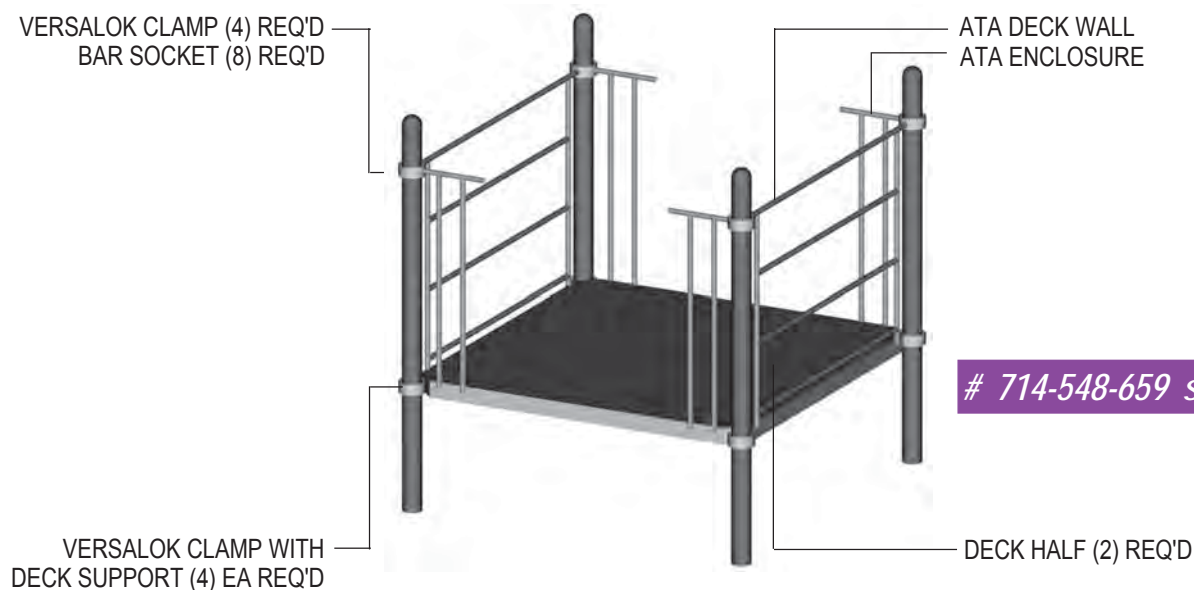


Footing Layout

Turnaround Decks

714-548-629, 714-548-6229, 714-548-659, 714-548-6529

Kids' Choice® - Mira-Therm II

ATA Turnaround Decks**PARTS IDENTIFICATION****RECOMMENDED ASSEMBLY SEQUENCE**

1. Footings
2. Posts into Footings
3. Deck Supports and Bar Sockets loosely to Clamps, Clamps loosely to Posts
4. Deck Halves to Deck Supports
5. Deck Halves together in center
6. Walls and Enclosures to Deck and Clamps
7. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. #D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footing holes (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, jack stands, sawhorses, concrete blocks, bricks, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, variety of drill bits, extension cords, power supply
7. Step ladder
8. Adult installers - 3 minimum



Kids' Choice® - Mira-Therm II

ATA Turnaround Decks**STEP 1**

Read *Safety Brochure 100, Important Notes*, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2

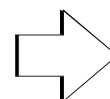
Layout, stake, and dig Footings per *Footing Layout* or Construction Drawings. Refer to *Footing Details* installation.

Install Tip: Determine thickness of blocking material (such as concrete patio blocks.) Dig Footings deeper and place blocks beneath Deck Posts in Footings. This gives playsystem additional stability and helps ensure it remains level and plumb until concrete has fully cured.

Note: Do not pour concrete for Footings, or permanently secure Clamps to Posts with self-drilling screws, until all components in playsystem have been installed per instructions and braced in position level and plumb.

STEP 3

Set Posts into Footings and verify that tops of plumb Posts are level on same (correct) plane.



Kids' Choice® - Mira-Therm II

ATA Turnaround Decks**STEP 4**

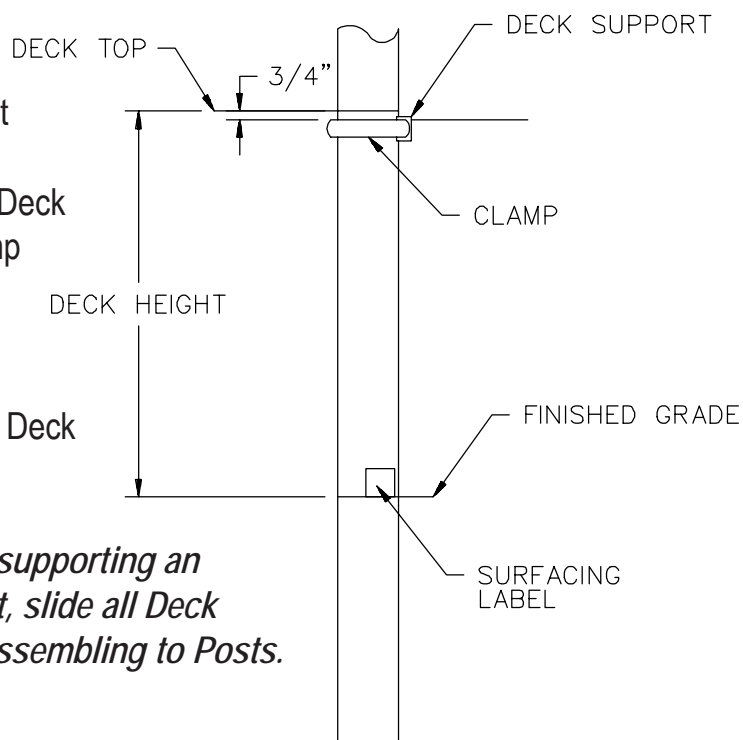
Refer to *Versalok Fastening System installation*.

Place Deck Supports on four (4) Clamp Rings and loosely assemble Clamp Ring halves around Posts so that tops of Clamps are approximately $\frac{3}{4}$ " below intended Deck height. Orient Deck Supports toward center of Deck system.

Slide two (2) Bar Sockets onto each set of upper Clamp Rings for attachment of Enclosures. Loosely assemble remaining four (4) Clamp Rings around Deck Posts so that bottom edge of each Clamp is $37\frac{1}{2}$ " from top edge of Deck-supporting Clamps.

Apply a "Top of Surfacing" label to each Deck Post 12" above compacted soil.

Note: If a Post must "share duty" by supporting an adjacent Deck system at equal height, slide all Deck Supports onto Clamp Rings before assembling to Posts.

**STEP 5**

Use drill to ream excess Deck coating from corner mating holes in Deck Halves. One Deck Half needs *all three* corners cleared; second Deck Half needs only one corner cleared (right angle corner, opposite hypotenuse.) Refer to next Step.

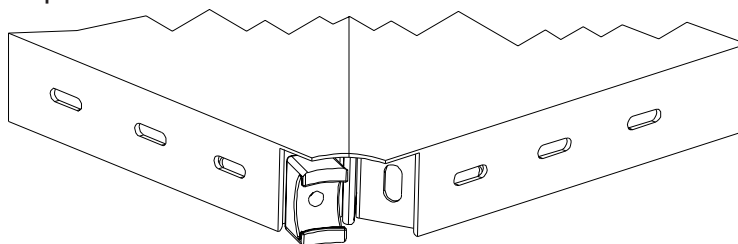


Kids' Choice® - Mira-Therm II

ATA Turnaround Decks**STEP 6**

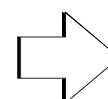
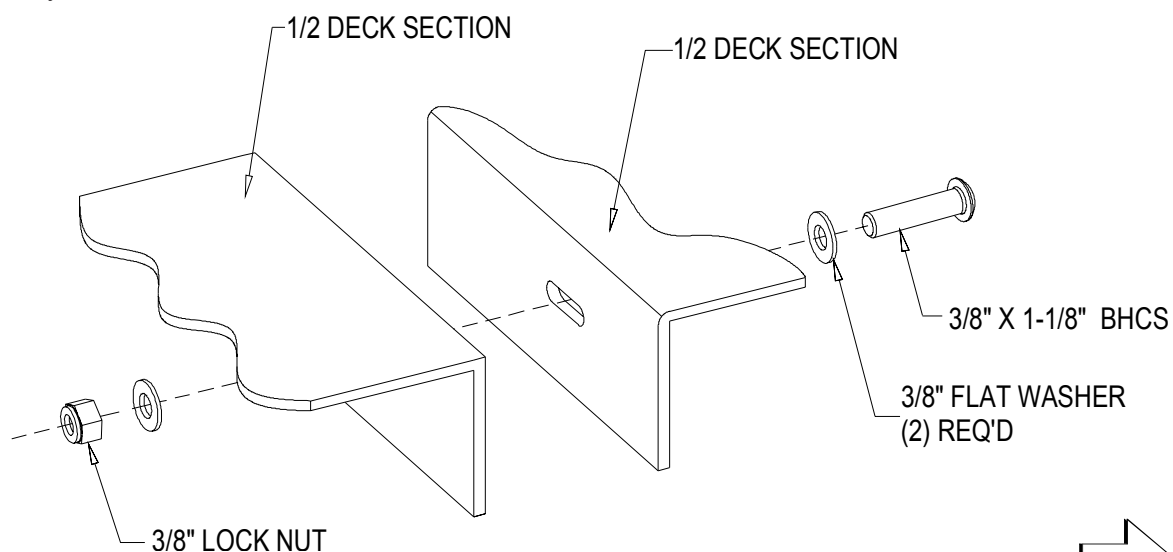
Align Deck Supports' threaded holes with mating holes in drilled corners of Deck Half. Bolt all three corners of first Deck Half to Deck Supports using 3/8" -16 x 1-1/4" (P/N 104921) button head bolts (6-lobe) with 7/16" I.D. x 1" O.D. x 1/8" thick flat washer (P/N 117072SS). One empty Deck Support will remain. Plumb Deck Posts and level Deck Half before attaching second Half in next Step.

Note: At each corner of meeting Deck Halves, only one Deck Support may be used to attach Deck assembly to Clamps on Posts.

**STEP 7**

Position remaining Deck Half against mounted Half to determine locations of mating holes in connecting sides of Deck Halves. Use drill to remove excess Deck coating only those holes.

Affix corner of second Deck Half to remaining Deck Support as in *Step 6*, and bolt both Deck Halves together in center as shown. Verify that Posts are still plumb, and level Deck assembly.

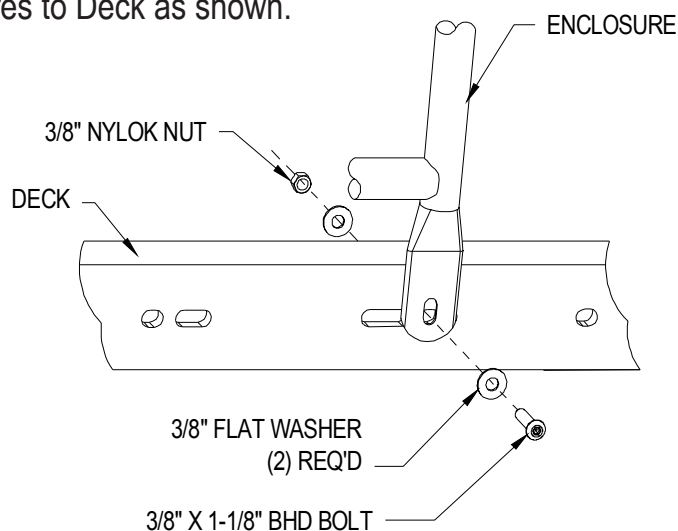


Kids' Choice® - Mira-Therm II

ATA Turnaround Decks**STEP 8**

Lift and position Walls and Enclosures against Deck assembly to determine mating holes in Deck faces. Use drill to ream excess PVC from mating holes in Deck.

Refer to *Versalok Fastening System installation*. Place top rails of Walls and Enclosures into Bar Sockets on Clamps. Re-positioning Clamp Rings as necessary, bolt bottoms of Walls and Enclosures to Deck as shown.



Plumb and level Walls and Enclosures. Tighten top rails in Bar Sockets with set screws, and tighten Clamp Rings around Posts. Do not yet permanently secure Clamps to Posts with self-drilling screws.

STEP 9

Use enclosed Spacers to attach handrails of connecting Bridge or Ramp systems to protruding ends of Enclosure rails.

FINAL STEP

Plumb, level, and brace assembly in position. Attach remaining components per separate instructions. Proceed to *Final Assembly installation*.

Kids' Choice®

Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts

Steel Posts - 5" O.D., 11ga.

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USES</u>	<u>PART NUMBER</u>
714-545-3	144" Deck Post (Cheer Roof)	3' Deck	997292*
714-545-5	168" Deck Post (Cheer Roof)	5' Deck	997294*
714-545-6	186" Deck Post (Cheer Roof)	6'-6" Deck	908813*
714-545-8	204" Deck Post (Cheer Roof)	8' Deck	997297*
714-545-10	228" Deck Post (Cheer Roof)	10" Deck	908812*
714-549-1	88" Maze Post	Sensory Panel	925341*
714-549-3	112" Deck Post	3' Decks	995228*
714-549-4	124" Deck Post	4' Decks	995229*
714-550-3	206" Deck Post (PlayCover)	3' Deck & less	997215*
714-550-5	219" Deck Post (PlayCover)	3'-6" to 5' Decks	997218*
714-550-6	243" Deck Post (PlayCover)	5'-6" to 6'-6" Decks	997203*
714-550-8	258" Deck Post (PlayCover)	7' to 8' Decks	997315*
714-551	106" Deck Post	2'-6" Decks & less	713551*
714-552	136" Deck Post	3' to 5' Decks	713552*
714-552L	136" Deck Post w/CPSIA Label	3' to 5' Decks	996061*
714-553	160" Deck Post	5'-6" to 6'-6" Decks	713553*
714-554	178" Deck Post	7' to 8' Decks	713554*
714-556	196" Deck Post	10' Deck	985244*
714-571	106" Post (Roof)	Ground Level	713561*
714-571L	106" Post (Roof) w/CPSIA Label	Ground Level	996352*

Note: An () by a part number indicate: Color Code Required. Top views and footings are not shown, refer to Installation Guides and/or Construction Drawing for Footing Layouts.*

5" O.D., 11 ga. Steel Posts & Aluminum Posts

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-32, 714-549-4, 714-549-42, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 714-552L, 714-552-2, 714-552-2L, 714-553, 714-553-2, 714-554, 714-554-2, 714-556, 714-571, 714-571-2, 714-571L, 714-572, 714-572-2, 714-573, 714-573-2, 714-574, 714-574-2, 714-575, 714-576, 714-576-8, 714-576-10

Kids' Choice®

Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts**Steel Posts - 5" O.D., 11ga. cont.**

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USES</u>	<u>PART NUMBER</u>
714-572	144" Deck Post (Roof)	3' Decks & less	713572*
714-573	168" Deck Post (Roof)	3'-6" to 5' Decks	713573*
714-574	186" Deck Post (Roof)	5'-6" to 6'-6" Decks	713574*
714-575	196" Deck Post (Uses 2 for Flippo Roof)	6'-6" Deck	985260*
714-576	204" Deck Post (Roof)	8' Deck	713818*
714-576-8	228" Deck Post (Topper)	8' Deck	994097*
714-576-10	252" Deck Post (Topper)	10' Deck	994407*

Aluminum Posts - 5" O.D.

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>USES</u>	<u>PART NUMBER</u>
714-549-32	112" Deck Post	3' Decks	995230*
714-549-42	124" Deck Post	4' Decks	995231*
714-551-2	106" Deck Post	2'-6" Decks & less	713593*
714-552-2	136" Deck Post	5' Decks	713594*
714-552-2L	136" Deck Post w/CPSIA Label	5' Decks	996065*
714-553-2	160" Deck Post	5'-6" to 6'-6" Decks	713595*
714-554-2	178" Deck Post	7' to 8' Decks	713599*
714-571-2	106" Post (Roof)	Ground Level	713588*
714-572-2	144" Deck Post (Roof)	3' Decks & less	713589*
714-573-2	168" Deck Post (Roof)	3'-6" to 5' Decks	713590*
714-574-2	186" Deck Post (Roof)	5'-6" to 6'-6" Decks	713591*

Note: Miracle Recreation attaches a CPSIA label to transfer points and 2' stairs. If your composite structure does not have one of these components, there will be ONE (1) post with the label attached. This label will be attached so that when installed it will be approximately 6" above finished grade. Ensure this label is readable and not covered by clamps, hardware or other equipment. If you do NOT have a component with label, contact your Miracle sales representative.

714-545-3, 714-545-5, 714-545-6, 714-545-8, 714-545-10, 714-549-1, 714-549-3, 714-549-32, 714-549-4, 714-549-42, 714-550-3, 714-550-5, 714-550-6, 714-550-8, 714-551, 714-551-2, 714-552, 714-552L, 714-552-2, 714-552-2L, 714-553, 714-553-2, 714-554, 714-554-2, 714-556, 714-571, 714-571-2, 714-571L, 714-572, 714-572-2, 714-573, 714-573-2, 714-574, 714-574-2, 714-575, 714-576, 714-576-8, 714-576-10

Kids' Choice®

Steel Posts (5" O.D., 11 ga. Round Tube) & Aluminum Posts**STEP 1** DIG FOOTINGS

- 1a. Refer to *Construction Drawings* and component *Installation Guides* to determine footing locations and dimensions.
- 1b. Measure, stake and dig footing holes, at once, or as needed. Refer to *Footing Details installation* located behind *Installations 101* in Installation Manual.

STEP 2 PLACE POSTS IN FOOTINGS

- 2a. Place posts in footings; ensure posts stand level, plumb and at correct dimensions.
- 2b. Attach additional components (decks, bridges, barriers, climbers, etc.) per separate instructions. Plumb the posts, level surfaces and brace all in position.

Note: Do not pour concrete for footings until all components in system or freestanding assembly have been fully installed per instructions and braced in position, leveled and plumbed.

FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.



Installation Guide

May 3, 2005

Rev. F

Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

714-555, 714-555-2* & 714-555-3* and 714-577-4 714-577-8 & 714-578

Fence Post, Steel, 5" OD x 76"

4' Fence Section, Straight

* Model # 714-555-2 Fence Post, Aluminum, 5" OD x 76"
and Model # 714-555-3 Fence Post, Steel, 5" OD x 76"
not shown. Installations are identical.

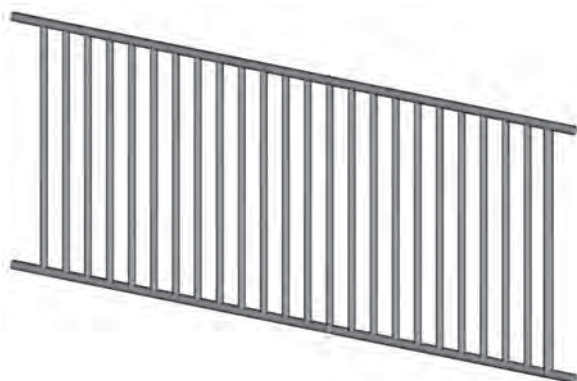


Refer to Top View and Footing Layout on Page 2.

714-555, 714-555-2* & 714-555-3* and 714-577-4 714-577-8 & 714-578

8' Fence Section, Straight

Archway for Fence, 5" OD



Refer to Top View and Footing Layout on Page 2.

Fence System

714-555, 714-555-2, 714-555-3, 714-577-4, 714-577-8, 714-578

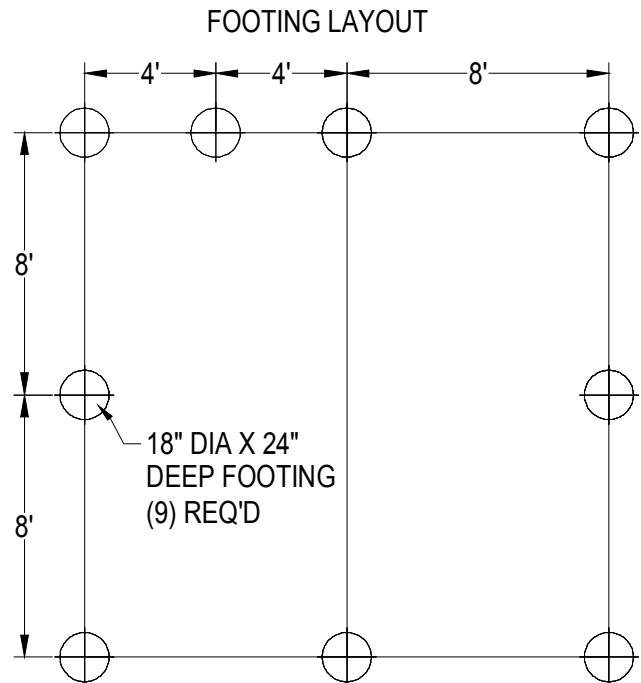
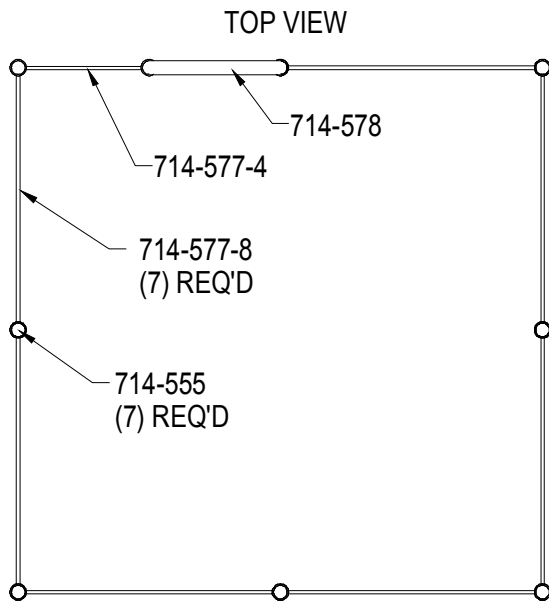
Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

SAMPLE FENCE SYSTEM



714-555, 714-555-2, 714-555-3, 714-577-4, 714-577-8, 714-578



NOTE: SYSTEM SHOWN IS FOR LEVEL GROUND. IF FENCE SYSTEM IS INSTALLED OVER A SLOPED AREA FENCE SECTIONS MAY NEED TO BE OFFSET. AT



Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

PARTS IDENTIFICATION



RECOMMENDED ASSEMBLY SEQUENCE

1. Footings
2. Posts and Arch(es) into footings
3. Clamps with Bar Sockets loosely to Posts
4. Fence Sections to Posts and Arch(es) via Clamps
5. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, concrete blocks, bricks, jack stands, sawhorses, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Adult installers - 2 minimum

Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence**STEP 1**

Read *Safety Brochure 100, Important Notes*, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

Note: Fence system is not playground equipment, therefore protective surfacing to 6' from perimeter is not required. However, this does not permit exclusion of protective surfacing when required by playground equipment which intersects Fence area, e.g. if a Fence were to connect to a Deck system, required protective surfacing of Deck components would "override" Fence's lack of a requirement for surfacing.

STEP 2

Dig footings per *Footing Layout*, Construction Drawings and *Footing Details* installation.

Note: Do not pour concrete for footings, or permanently secure Clamps to Posts with self-drilling screws, until all components in Fence system have been installed per instructions and braced in position level and plumb.

STEP 3

Set Posts into footings and brace in position (see note below for Arches). Ensure plumb Posts are level at 40" from finished grade (with 12" of protective surfacing) or 52" from finished grade (with no protective surfacing) to Post pipe end (before rounded end cap).

Likewise, if desired, and in case where no protective surfacing is installed, installers may cut 12" from bottom end of Posts so that installed Fence exposes minimal amount of Post above Clamp, to achieve look similar to that of system where surfacing is installed.

Note: One Arch functions as two Posts. Legs of Arch may vary slightly in length. Plumb each Arch leg so that Arch Assembly stands plumb at desired height, and adjust Footing depth or block up short leg as needed.

Plumb legs of Arch and brace in position. Distance from finished grade to inside apex of Archway must be 96" (with 12" of protective surfacing) or 108" (without surfacing, though installers may shorten legs as noted above, if desired).



Kids' Choice®

Fence Posts, 4' & 8' Fence Sections, Archway for Fence

STEP 4

Refer to *Versalok Fastening System installation*.

Loosely assemble top set of Clamps Rings around Posts or Arch legs so that top edge of each Clamp is 38-1/2" from finished grade. Loosely assemble bottom set of Clamp Rings around Posts or Arch legs so that top edge of each is 3-1/2" from finished grade. It is acceptable to approximate position of bottom sets of Clamps until Fence Sections are installed. Tighten Clamp Rings but do not yet permanently secure.

Loosely assemble Bar Sockets to Clamps (two per Clamp, or one per Clamp on Arch legs or Posts at Fence system openings).

STEP 5

Refer to *Versalok Fastening System installation*.

Insert top rail and bottom rail ends of Fence Section into Bar Sockets on Clamps on Posts. Verify that Posts or Arch legs are plumb, and level Fence rails (re-positioning Clamps if needed.) Tighten rails in Bar Sockets, Bar Sockets on Clamps, and Clamp Rings around Posts.

Repeat step for all Fence Sections in system.

FINAL STEP

Proceed with *Final Assembly installation*.

Kids' Choice® Tree-O™ Climber

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.

Models included in this installation guide:

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-605-3	Tree-O Climber for 3' Deck	2
714-605-4	Tree-O Climber for 4' Deck	2
714-605-5	Tree-O Climber for 5' Deck	3
714-605-6	Tree-O Climber for 6' or 6'-6" Deck	3
714-605-8	Tree-O Climber for 8' Deck	4
714-605-10	Tree-O Climber for 10' Deck	4

Please refer to Construction Drawings for the model particular to your system.

Deck System not included in this assembly.

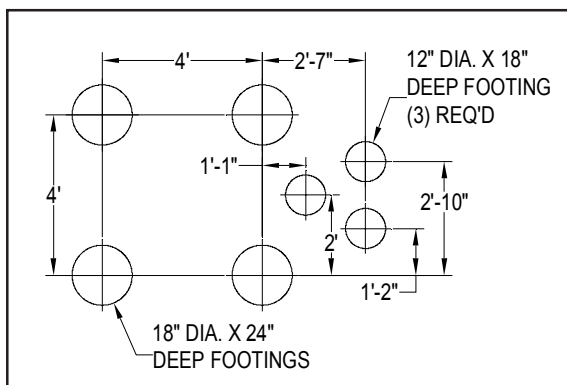
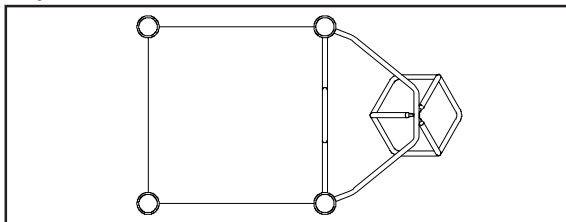
TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, concrete blocks, jack stands, sawhorses, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladder
8. Adult installers - 2 minimum

Kids' Choice® Tree-O™ Climber

Top View

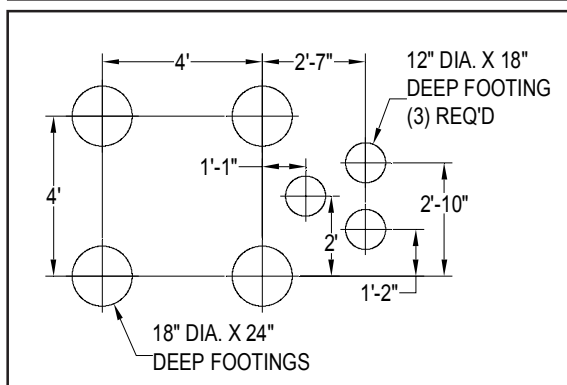
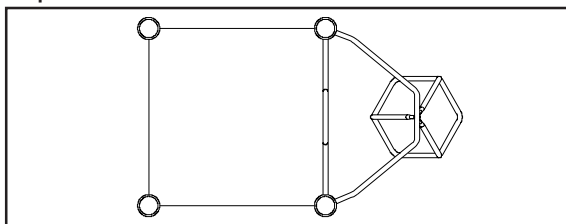


Footing Layout

714-605-3

Tree-O Climber
for 3' Deck

Top View



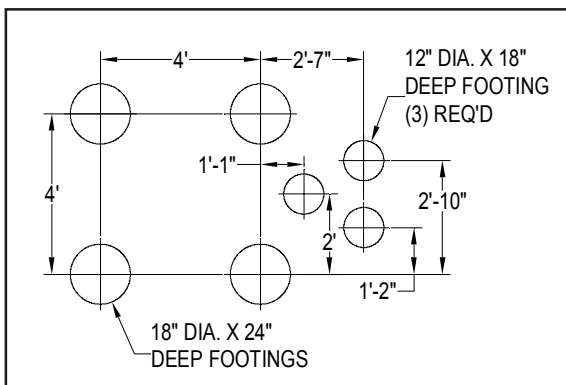
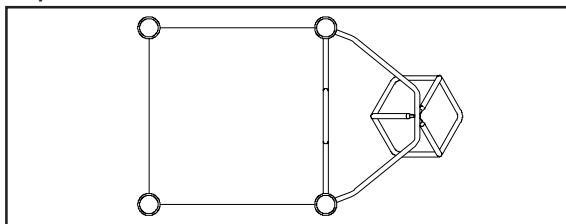
Footing Layout

714-605-4

Tree-O Climber
for 4' Deck

Kids' Choice® Tree-O™ Climber

Top View

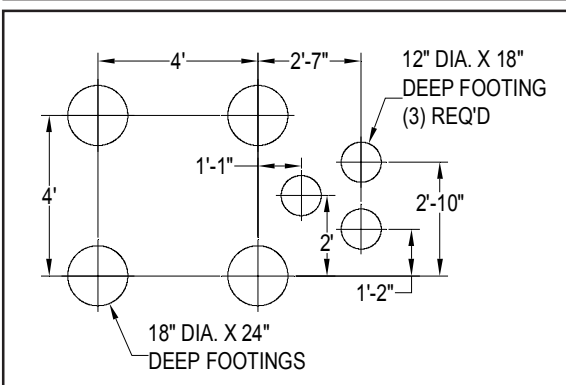
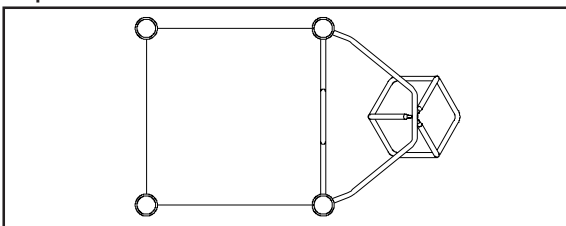


Footing Layout

714-605-5 Tree-O Climber for 5' Deck



Top View



Footing Layout

714-605-6 Tree-O Climber for 6' or 6'-6" Deck

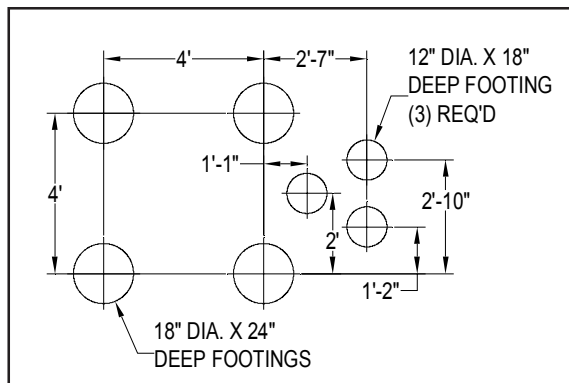
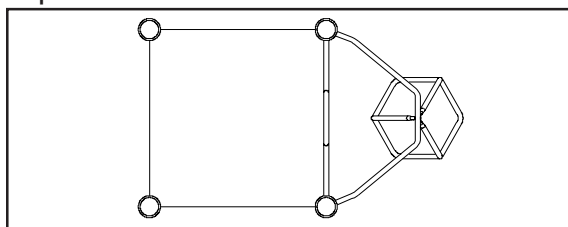


Tree-O Climber

714-605-3, 714-605-4, 714-605-6, 714-605-8, 714-605-10

Kids' Choice® Tree-O™ Climber

Top View



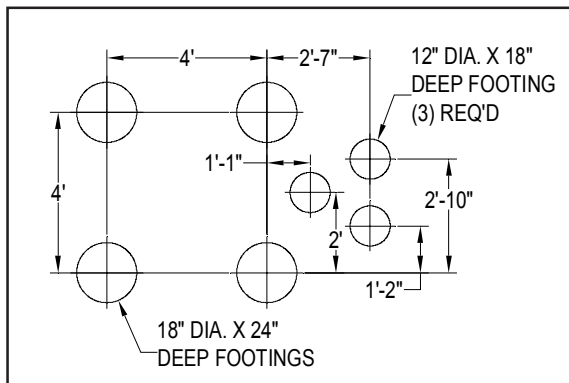
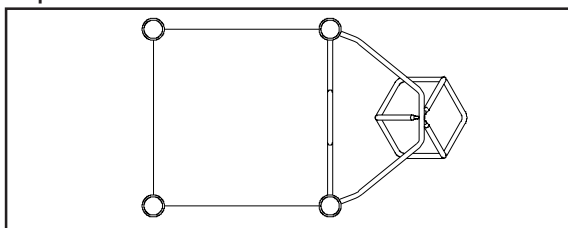
Footing Layout

714-605-8

Tree-O Climber
for 8' Deck



Top View



Footing Layout

714-605-10

Tree-O Climber
for 10' Deck



Kids' Choice® Tree-O™ Climber

STEP 1 INSTALL DECK SYSTEM

Install Deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete or permanently secure Clamps to Posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position level and plumb.

STEP 2 DIG FOOTINGS

Dig footings per *Footing Layouts* or *Construction Drawings*. Refer to *Footing Details installation* located directly behind *Versalok Fastening System installation* in the *Installation Manual*.

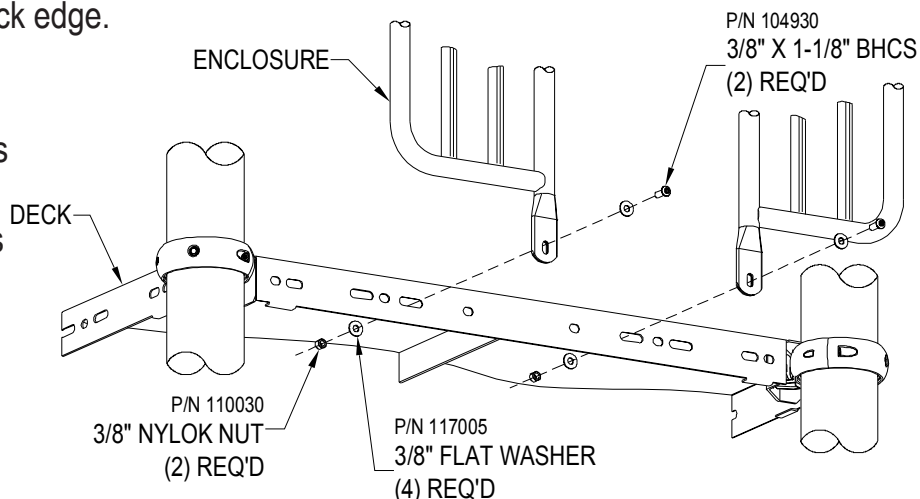
STEP 3 ATTACH BAR SOCKETS TO CLAMPS; CLAMPS TO POSTS

Refer to *Versalok Fastening System installation* located behind *Installations 101* in *Installation Manual*. Loosely assemble Clamp Rings around Posts so that bottom edge of each Clamp is 37-3/8" from top edge of Deck-supporting Clamp. Loosely assemble 2 Bar Sockets to each Clamp Ring; one set for Enclosure and one set for Top Support.

STEP 4 AFFIX ENCLOSURE

Refer to *Versalok Fastening System installation* located behind *Installations 101* in *Installation Manual*. Position Enclosure with top rails seated in inside set of Bar Sockets and align holes at bottom of plumb uprights with bolt holes in Deck. Use drill to ream excess PVC from only those holes in Deck edge.

Plumb and level Enclosure.
Attach Enclosure to Deck as shown. Tighten Enclosure in Bar Sockets, Bar Sockets to Clamps, and Clamp Rings around Posts.



Kids' Choice® Tree-O™ Climber

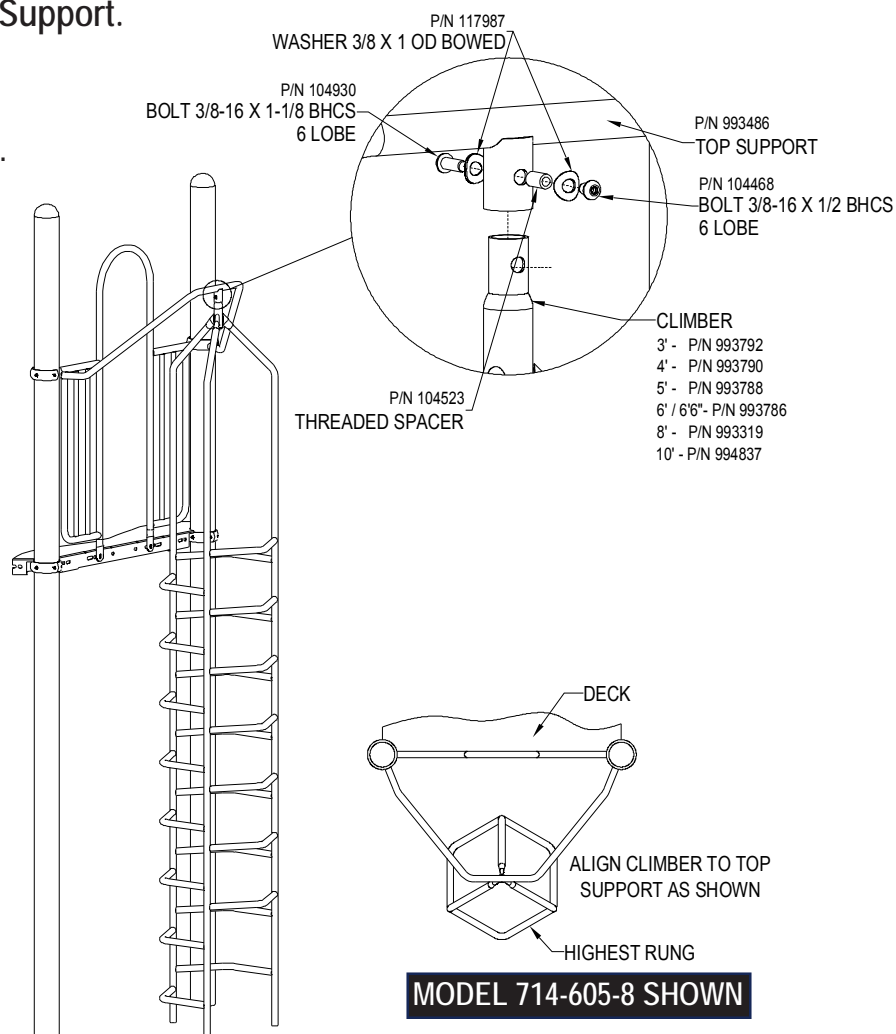
STEP 5 INSERT TOP SUPPORT INTO BAR SOCKETS

One side at a time, firmly insert Top Support rails into second set of Bar Sockets, ensuring that Climber mounting sleeve points **DOWNWARD**. See Step 6 illustration for proper Top Support orientation. Tighten Top Support in Bar Sockets, Bar Sockets to Clamps, and Clamp Rings around Posts.

STEP 6 PLACE CLIMBER IN FOOTINGS; BOLT TO TOP SUPPORT

Gently seat Climber's swaged top into Climber mounting sleeve as shown below and drop Climber into footings. Climber **MUST** be aligned to Top Support as shown below, with highest rung opposite Top Support.

Level and plumb Climber in footings and brace in position. Firmly bolt Climber to Top Support as shown.



FINAL STEP

Pour concrete and allow to cure for 72 hours. Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.



Installation Guide

Kids' Choice®
Braided Climber

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.

Models included in this installation guide:

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-607-8	Braided Climber	2

NOTE: Deck System NOT included in this assembly.

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

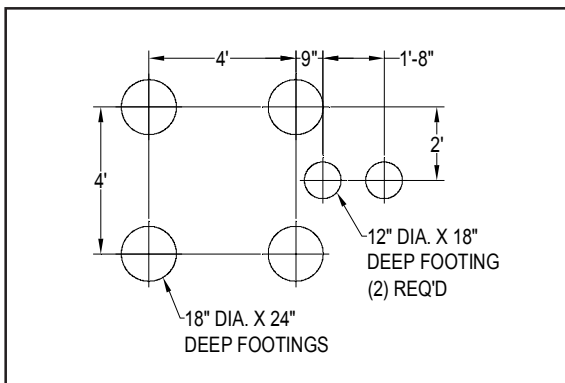
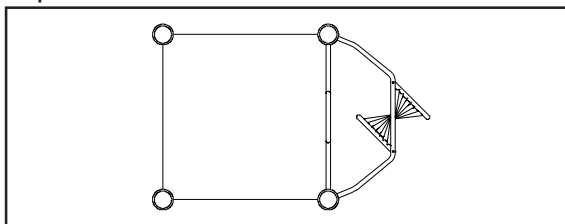
1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, concrete blocks, jack stands, sawhorses, etc.)
4. Tape measure and level
5. Drill motor, various bits, extension cords, power supply
6. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
7. Adult installers - 2 minimum

Kids' Choice® Braided Climber

714-607-8

Braided Climber

Top View



Footing Layout



STEP 1 INSTALL DECK SYSTEM

Install Deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete or permanently secure Clamps to Posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position level and plumb.

STEP 2 DIG FOOTINGS

Dig footings per *Footing Layouts* or Construction Drawings. Refer to *Footing Details installation* located directly behind *Versalok Fastening System installation* in the Installation Manual.



Kids' Choice®
Braided Climber

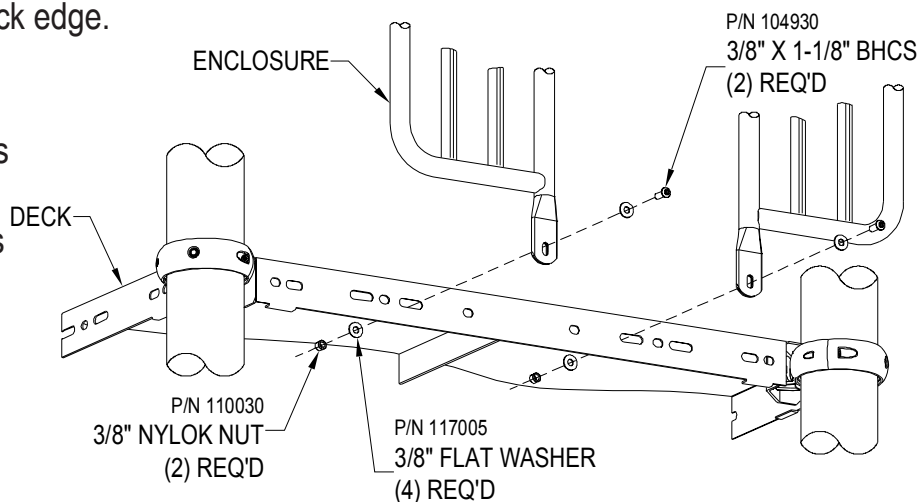
STEP 3 ATTACH BAR SOCKETS TO CLAMPS; CLAMPS TO POSTS

Refer to *Versalok Fastening System installation* located behind *Installations 101* in Installation Manual. Loosely assemble Clamp Rings around Posts so that bottom edge of each Clamp is 37-3/8" from top edge of Deck-supporting Clamp. Loosely assemble 2 Bar Sockets to each Clamp Ring; one set for Enclosure and one set for Top Support. See illustration on page 4 for proper placement.

STEP 4 AFFIX ENCLOSURE

Refer to *Versalok Fastening System installation* located behind *Installations 101* in Installation Manual. Position Enclosure with top rails seated in inside set of Bar Sockets and align holes at bottom of plumb uprights with bolt holes in Deck. Use drill to ream excess PVC from only those holes in Deck edge.

Plumb and level Enclosure.
Attach Enclosure to Deck as shown. Tighten Enclosure in Bar Sockets, Bar Sockets to Clamps, and Clamp Rings around Posts. See illustration on page 4 for proper placement.



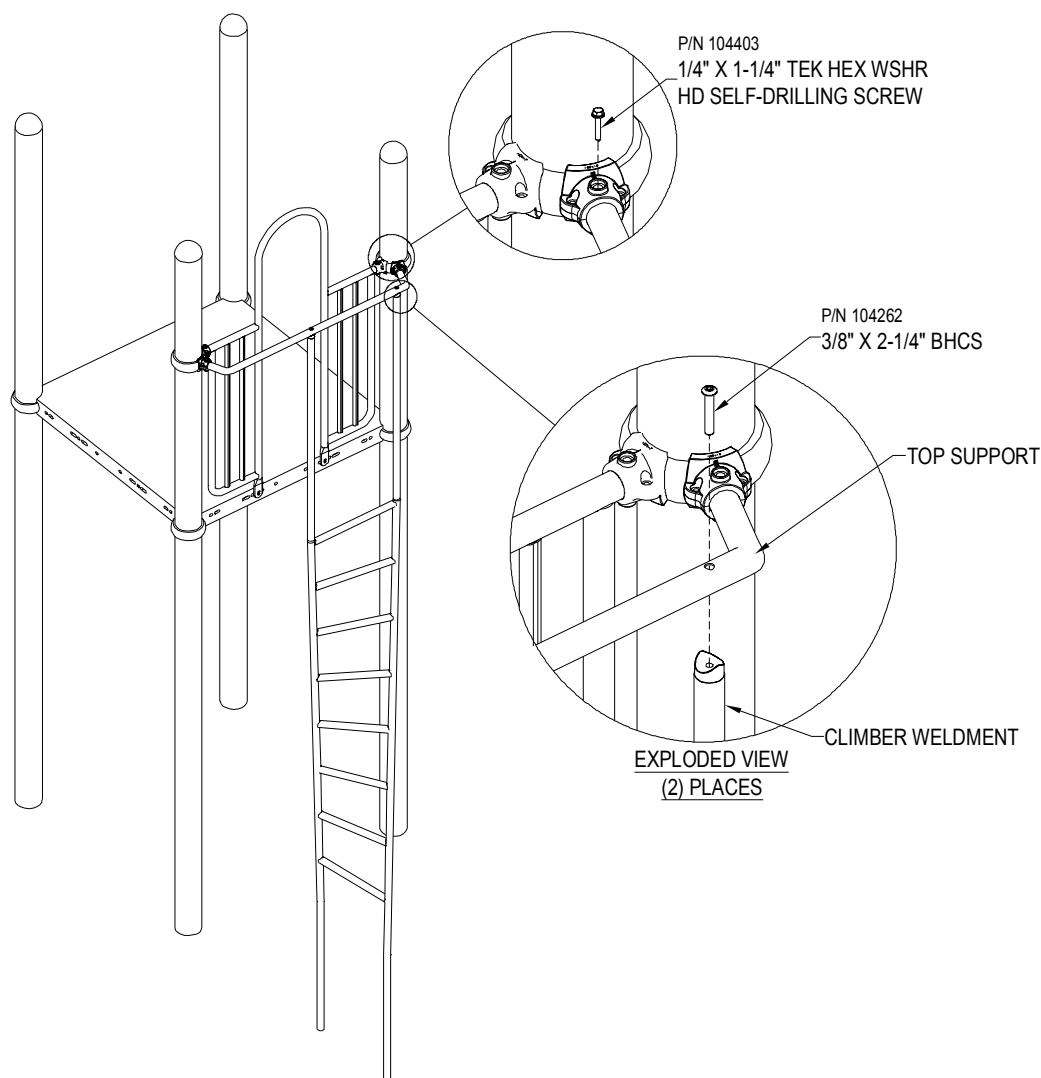
STEP 5 INSERT TOP SUPPORT INTO BAR SOCKETS

One side at a time, firmly insert Top Support rails into second set of Bar Sockets. Tighten Top Support in Bar Sockets, Bar Sockets to Clamps, and Clamp Rings around Posts.

Kids' Choice®

Braided Climber**STEP 6** PLACE CLIMBER IN FOOTINGS; BOLT TO TOP SUPPORT

Locate bolt holes in Top Support and slide Climber Weldment's upright with coped plug underneath Top Support. Line up bolt holes with coped plugs and attach as shown, one bolt per coped plug. Level and plumb Climber in footings and brace in position.

**FINAL STEP**

Pour concrete and allow to cure for 72 hours. Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Kids' Choice®

Avalanche Slide

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.

*Please refer to Construction Drawings for the model particular to your system.
Deck System not included in this assembly.*

Models included in this installation guide:

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-682-5	Avalanche Inclusive Slide w/Tubes	2
714-682-51	Avalanche Inclusive Slide w/Mesh	2

NOTE: Deck System NOT included in these assemblies.

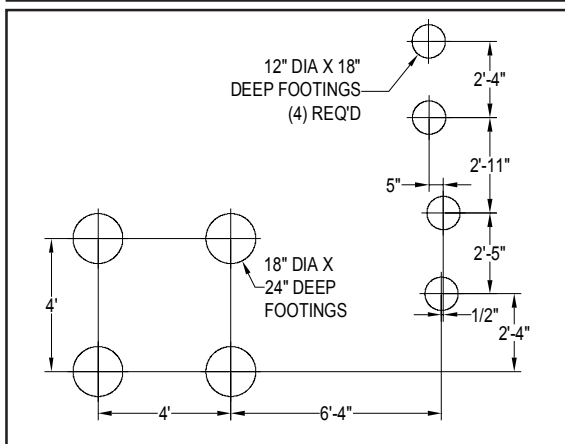
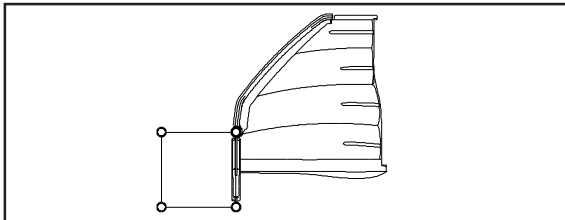
TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, concrete blocks, jack stands, sawhorses, etc.)
4. Tape measure and level
5. Drill motor, various bits, extension cords, power supply
6. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
7. Adult installers - 2 minimum

Kids' Choice® Avalanche Slide

Top View



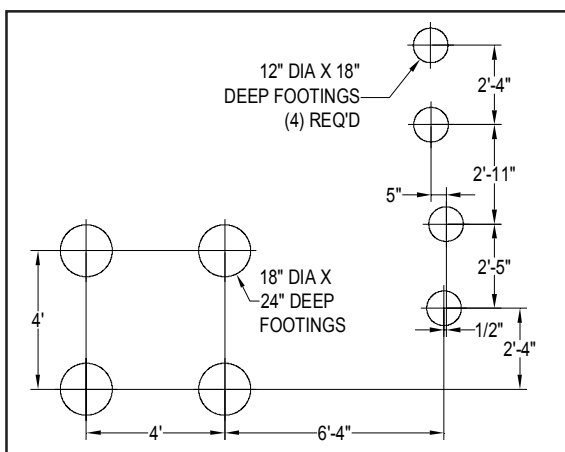
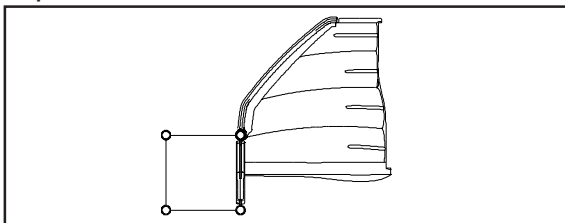
Footing Layout

714-682-5

Avalanche Inclusive Slide w/Tubes



Top View



Footing Layout

714-682-51

Avalanche Inclusive Slide w/Mesh



Kids' Choice®

Avalanche Slide

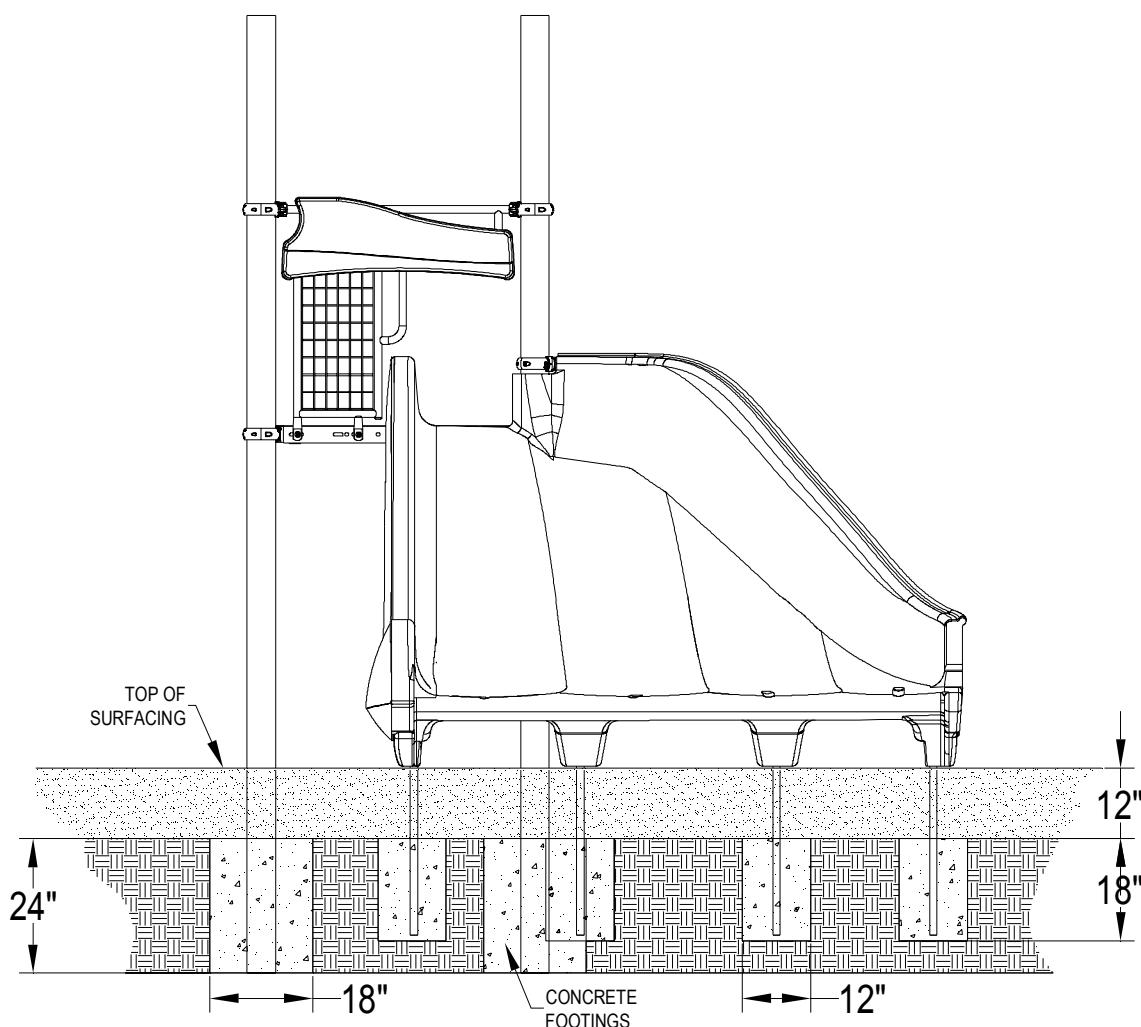
STEP 1 INSTALL DECK SYSTEM

Install Deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete or permanently secure Clamps to Posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position level and plumb.

STEP 2 DIG FOOTINGS

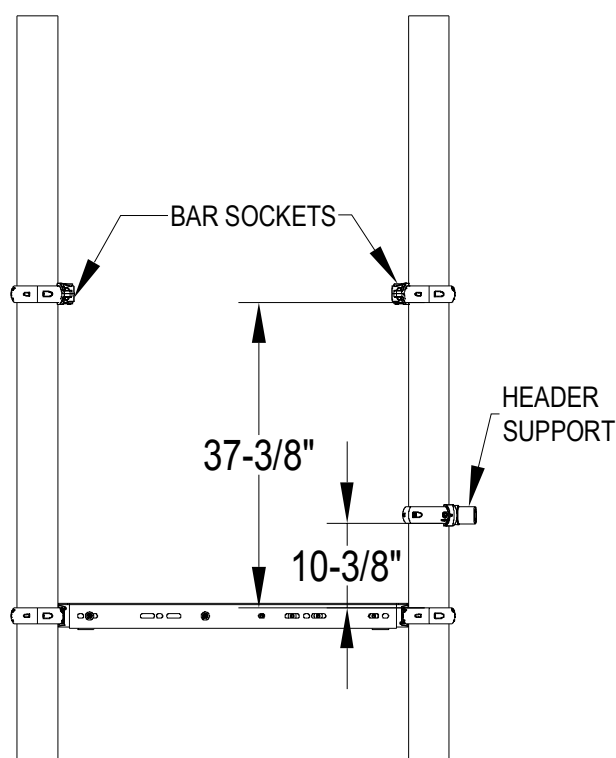
Dig footings per *Footing Layouts* or *Construction Drawings*. Refer to *Footing Details* installation located directly behind *Versalok Fastening System* installation in the Installation Manual.



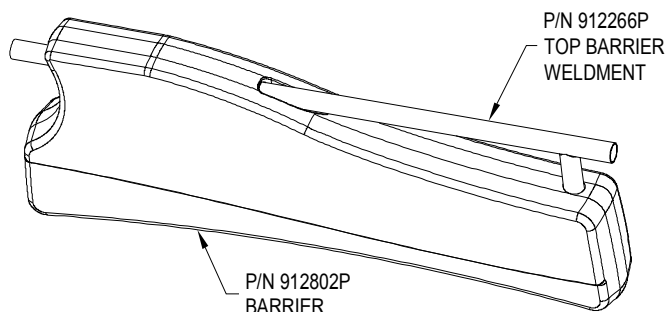
Kids' Choice®

Avalanche Slide**STEP 3** ATTACH BAR SOCKETS TO CLAMPS; CLAMPS TO POSTS

Refer to *Versalok Fastening System installation* located behind *Installations 101* in Installation Manual. Loosely assemble Bar Sockets around 2 sets of Clamp Rings, and Clamps Rings around Posts so that bottom edge of each Clamp is 37-3/8" from top edge of Deck-supporting Clamp for Enclosure attachment. Assemble a Header Support Casting to one set of Clamp Rings, and Clamps Rings 10-3/8" from top edge of Deck-supporting Clamp to attach Slide.

**STEP 4** INSERT TOP WELDMENT INTO ROTOMOLD BARRIER

Slide Top Barrier Weldment into rotomolded Barrier as shown.

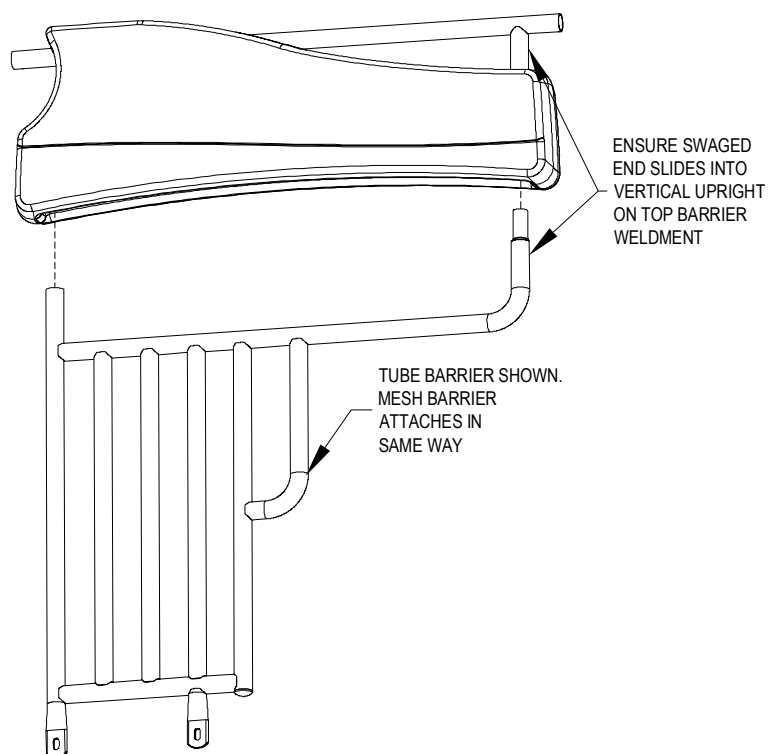


Kids' Choice® Avalanche Slide

STEP 5 INSERT BOTTOM WELDMENT INTO ROTOMOLDED BARRIER

Slide bottom Weldment into Barrier. Ensure swaged end is inserted into the appropriate side.

NOTE: Bar Barrier shown.
Mesh Barrier attaches
in exactly the same
way.



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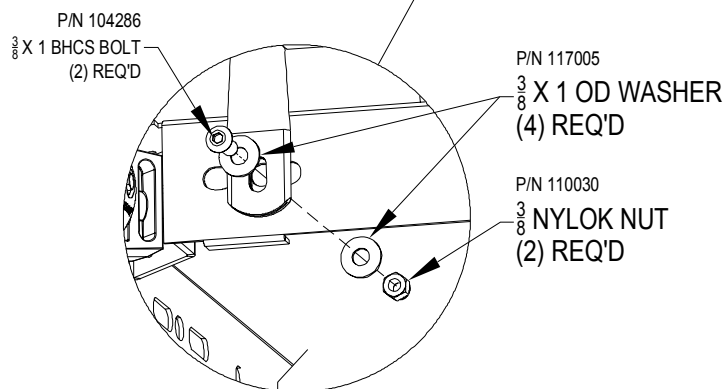
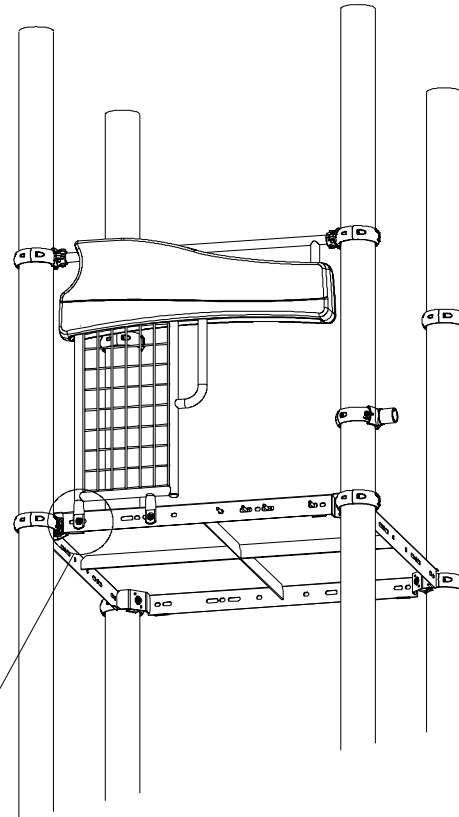
Avalanche Slide

STEP 6 AFFIX BARRIER TO DECK

Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual. Position Barrier with Top Weldments seated in Bar Sockets and align holes at bottom of plumb uprights with bolt holes in Deck. Use drill to ream excess deck coating from only those holes in Deck edge.

Plumb and level Barrier.
Attach Barrier to Deck as shown. Tighten Barrier Top Weldments in Bar Sockets, tighten Bar Sockets to Clamps, and tighten Clamp Rings around Posts.

NOTE: Mesh Barrier shown.
Bar Barrier attaches in exactly the same way.



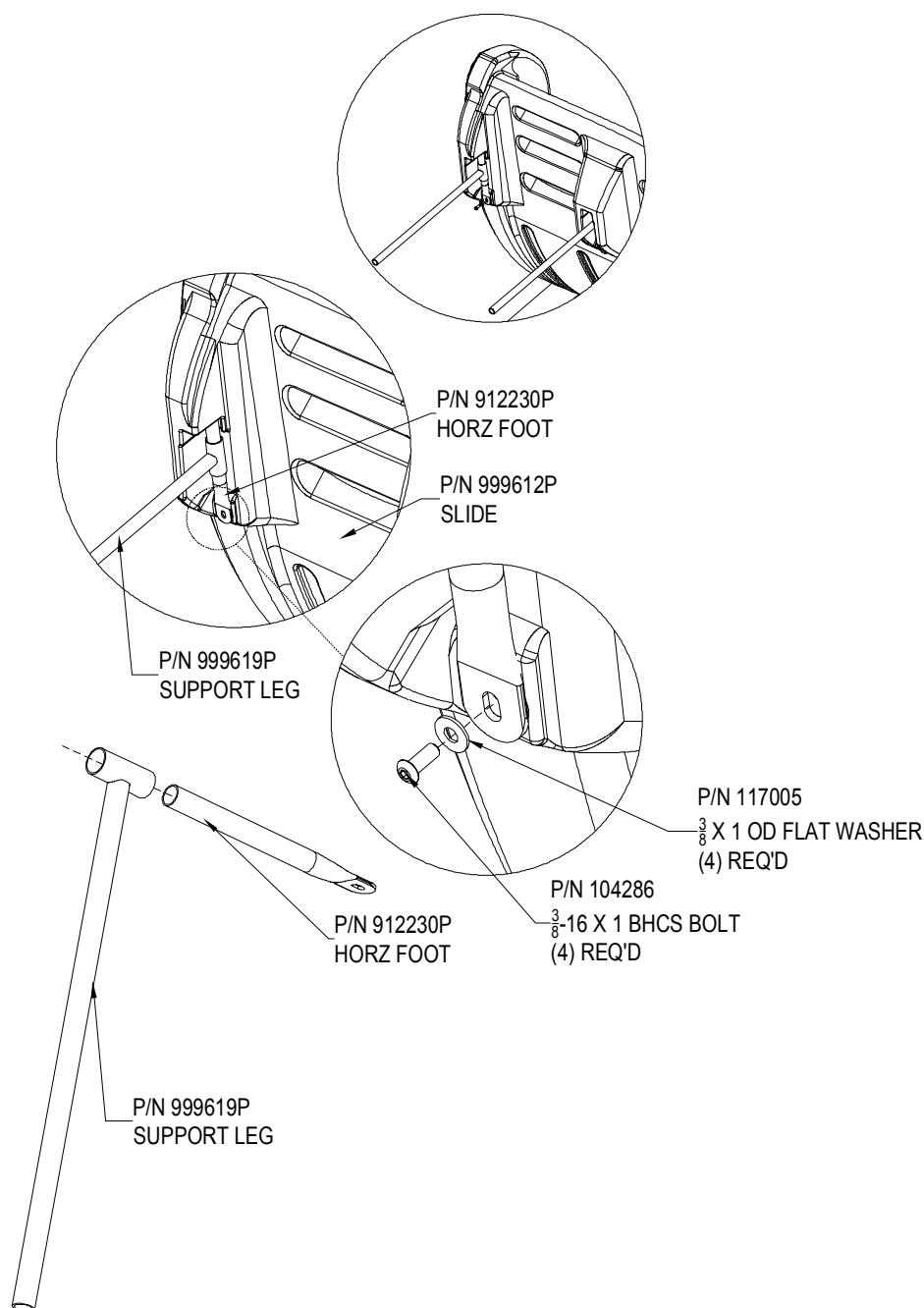
Kids' Choice®

Avalanche Slide

STEP 7 ATTACH LEGS TO SLIDE

Slide Horizontal Foot through Support leg, then insert end of Horizontal Foot into recess underneath slide. Slide Foot into recess until mashed end mates with bolt hole in Slide. Attach as shown. Repeat for remaining three (3) legs.

VIEW FROM UNDERNEATH SLIDE



Avalanche Slide

714-682-5, 714-682-51

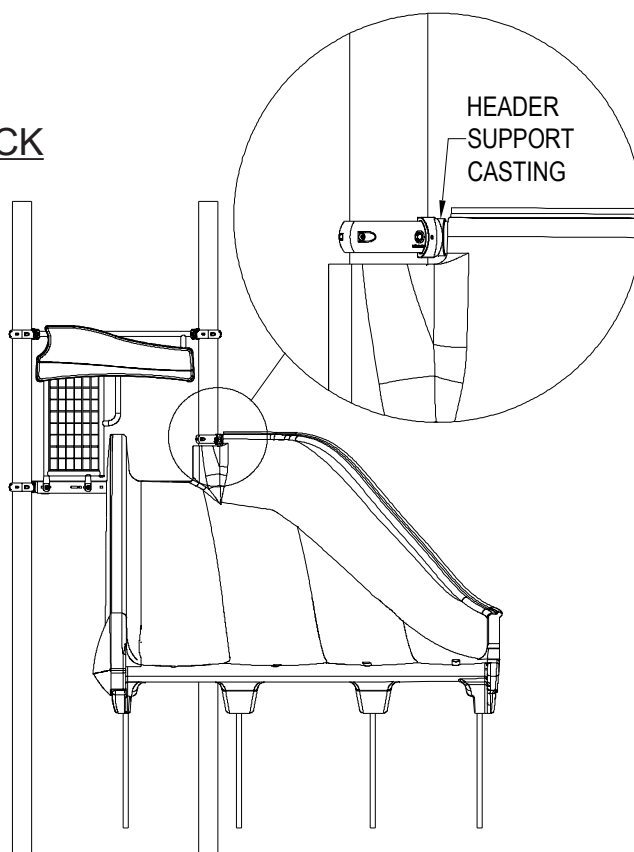
Kids' Choice®

Avalanche Slide

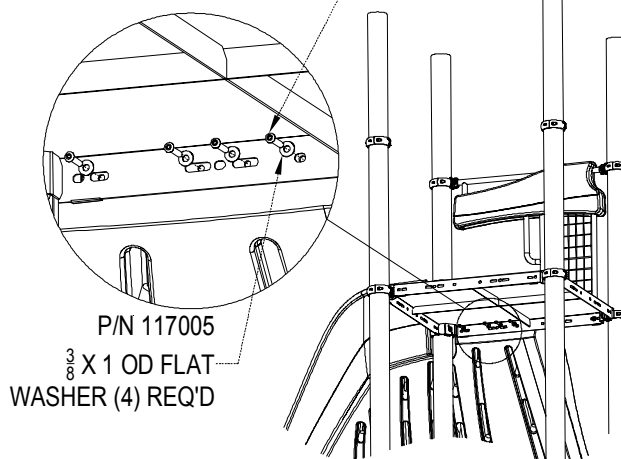
STEP 8 ATTACH SLIDE TO DECK

Set Slide Legs into footings. Insert header support casting into hole in Slide's top. Align holes in Slide to corresponding holes in deck and attach as shown. Ensure Slide is plumb and level before final hardware tightening.

Pour concrete and allow to cure for 72 hours before allowing play.



P/N 104097
BOLT 3/8-16 X 2 BHCS
(4) REQ'D



P/N 117005
3/8 X 1 OD FLAT
WASHER (4) REQ'D

FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Kids' Choice®

Sensory Panels - Above Deck

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

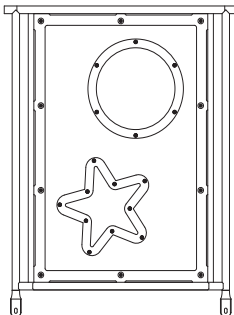
Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>
714-713-11	Sensory Panel Textured Star Circle
714-713-12	Sensory Panel Textured Triangle Hexagon
714-713-13	Sensory Panel Textured Square Oval
714-713-14	KC Above Deck Oval/Square Perf. Panel
714-713-15	KC Above Deck Star/Circle Perf. Panel
714-713-16	KC Above Deck Hex/Triangle Perf. Panel

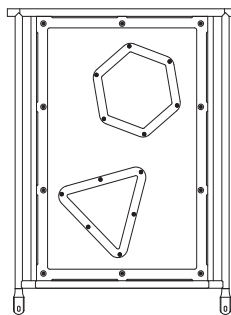
Note:

- Deck systems are NOT included in these assemblies. Please refer to Construction Drawings for the model particular to your system.
- Top Views and Footing Layouts not shown. These models mount vertically onto posts.
- An (*) by a part number (CODE) indicates: Color Code Required.

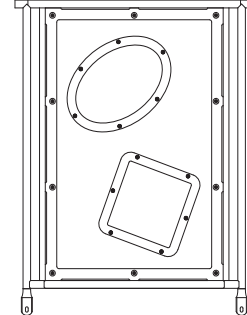
714-713-11



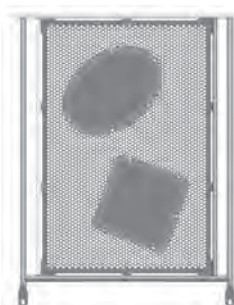
714-713-12



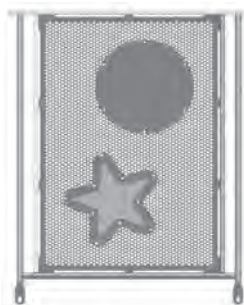
714-713-13



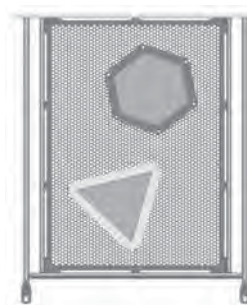
714-713-14



714-713-15



714-713-16



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Sensory Panels - Above Deck**TOOLS AND EQUIPMENT REQUIRED***Refer to "Installations 101"*

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Step ladder
4. Drill, drill bits, extension cords, power supply
5. Adult installers - 2 minimum

STEP 1 INSTALL DECK SYSTEM - IF APPLICABLE

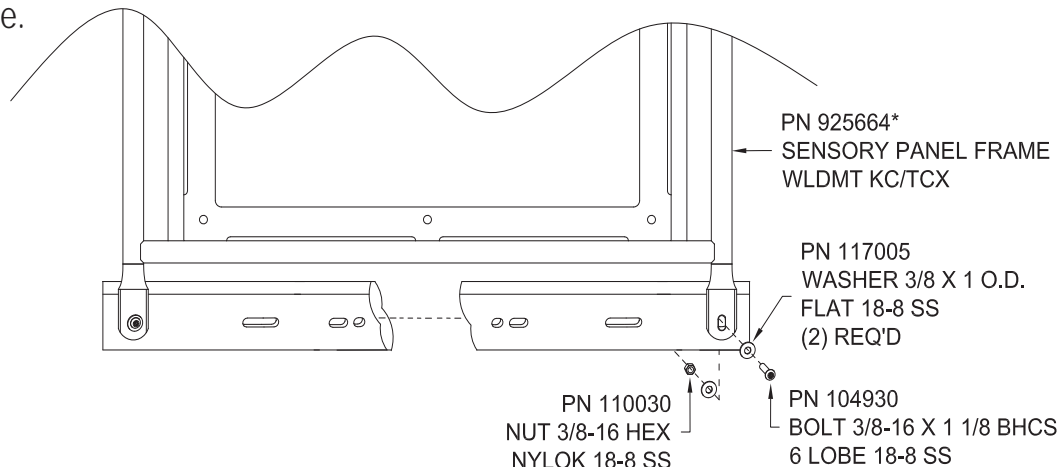
- 1a. Install deck system, if applicable, per separate instructions. Plumb, level and brace deck system in to position.

Note: Do not pour concrete for footings or permanently affix clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions, braced in position, leveled and plumbed.

STEP 2 ATTACH PANEL FRAME WELDMENT TO DECK

- 2a. Center the panel frame weldment between the posts and against the deck face to locate and mark mating bolt holes. Use a drill to remove excess PVC from only those holes in the deck.
- 2b. Loosely attach the panel frame weldment to the deck.

Note: Sensory panel frame weldment shown. KC perforated panel frames attach with same hardware.



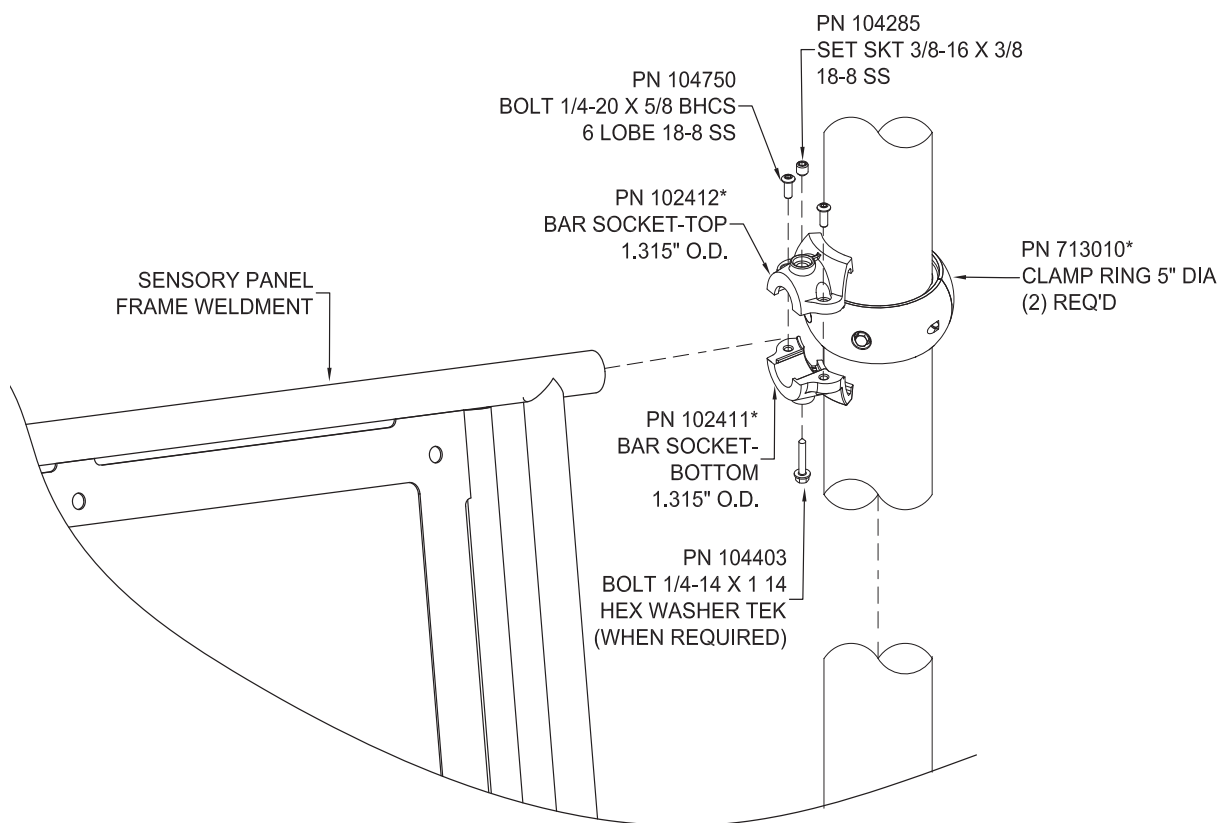
Kids' Choice®

Sensory Panels - Above Deck

STEP 3 ATTACH PANEL FRAME WELDMENT TO POSTS

- 3a. For *All* models, loosely attach the clamp rings and bar sockets to the posts; loosely attach the panel frame weldment to the bar sockets.

Note: For the KC models, verify the textured side of the sensory panel is "away" from the deck face. Tighten clamp rings but do not yet permanently secure with self-drilling screws.



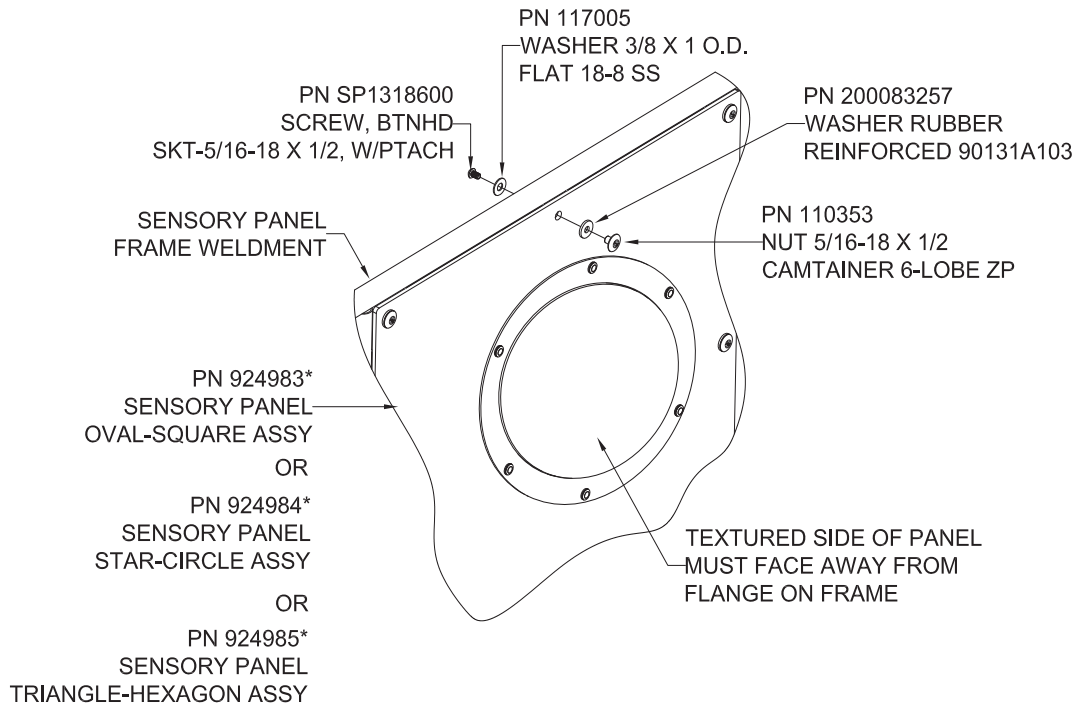
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Kids' Choice®

Sensory Panels - Above Deck**STEP 4** ATTACH SENSORY PANEL TO PANEL FRAME WELDMENT

4a. For all sensory textured models, loosely attach the sensory panel to the panel frame weldment in ten (10) locations.

Note: Verify the textured side of the sensory panel is "away" from the flange on the frame.

**STEP 5** TIGHTEN ALL HARDWARE

5a. For *All* models, plumb and level the panel assemblies; tighten and secure all hardware.

FINAL STEP

Refer to *Final Assembly installation* located behind *Installations 101* in Installation Manual.



Installation Guide

April 03, 2018

Rev. AB

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Imagination Panels & Activity Panels - Below Deck

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.**

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-602-6B	Steel Panel, Crawl Through	2
714-617-B	Space Ship Panel	2
714-713-1B	Television Panel	2
714-713-2B	Puppet Stage Panel	2
714-713-3B	Window Panel	2
714-713-4B	Computer Panel	2
714-713-5B	Door Panel	3
714-713-5RB	Door Panel, Reversed	3
714-713-6B	Bank Teller Panel	3
714-713-7B	General Store Panel	3
714-713-8B	Ticket Panel	3
714-714-1B	Park Ranger Panel	3
714-714-2B	Fire Truck Panel	3
714-714-3B	Police Panel	3
714-714-4B	Train Panel	3
714-714-5B	Taxi Panel	3
714-714-6B	Pilot Panel with Window	3
714-714-7B	Pilot Panel	3
714-714-8B	Race Car Panel	3
714-715-1B	Alphabet Panel	3
714-715-2B	Finger Maze Panel	3
714-715-4B	Calculator Panel	3
714-715-3B	3' Jump Panel	4
714-715-5B	5' Jump Panel	4
714-715-6B	Bus Stop Panel	4
714-715-7B	Rest Stop Panel	4
714-715-10B	Sign Language Panel	4

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

Imagination & Activity Panels (Below Deck)

714-602-6B, 714-617-B, 714-713-1B, 714-713-2B, 714-713-3B, 714-713-4B, 714-713-5B, 714-713-5RB, 714-713-6B, 714-713-7B, 714-713-8B, 714-714-1B, 714-714-2B, 714-714-3B, 714-714-4B, 714-714-5B, 714-714-6B, 714-714-7B, 714-714-8B, 714-715-1B, 714-715-2B, 714-715-4B, 714-715-6B, 714-715-7B, 714-715-10B, 714-715-11B, 714-715-12B, 714-715-13B, 714-715-15B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B

714-602-6B, 714-617-B, 714-713-1B, 714-713-2B, 714-713-3B, 714-713-4B, 714-713-5B, 714-713-5RB, 714-713-6B, 714-713-7B, 714-713-8B, 714-714-1B, 714-714-2B, 714-714-3B, 714-714-4B, 714-714-5B, 714-714-6B, 714-714-7B, 714-714-8B, 714-715-1B, 714-715-2B, 714-715-4B, 714-715-6B, 714-715-7B, 714-715-10B, 714-715-11B, 714-715-12B, 714-715-13B, 714-715-15B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B

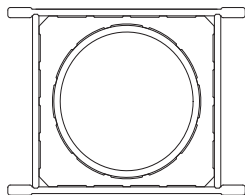
Kids' Choice®
Imagination Panels & Activity Panels - Below Deck

Models included in this installation guide (continued):

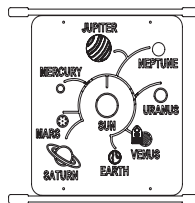
<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-715-11B	Spanish Panel	4
714-715-12B	Braille Panel	4
714-715-13B	Calypso 3-Drum Panel	4
714-715-15B	Chinese Panel	4
714-715-20B	Activity Panel Frame	4
714-761-2B	Piston Panel	4
714-761-3B	Gear Panel	4
714-761-4B	Sliding Tile Panel	4
714-895-1B	Barn Wall Panel	4
714-895-2B	Barn Door Panel	4
714-895-3B	Barn Window Panel	4

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

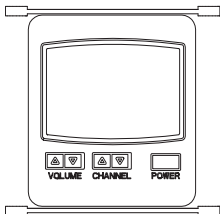
714-602-6B:
Steel Panel, Crawl Through



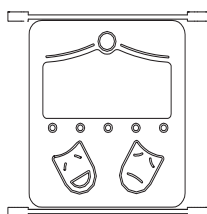
714-617-B:
Space Ship Panel



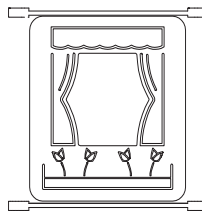
714-713-1B:
Television Panel



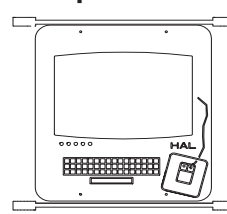
714-713-2B:
Puppet Stage Panel



714-713-3B:
Window Panel

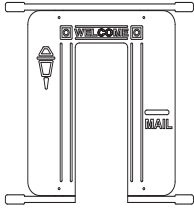
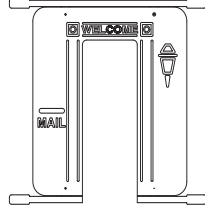
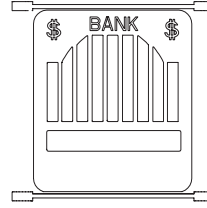
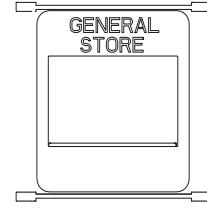


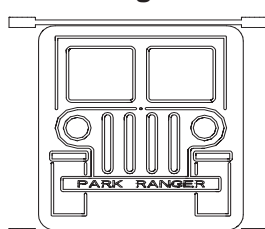
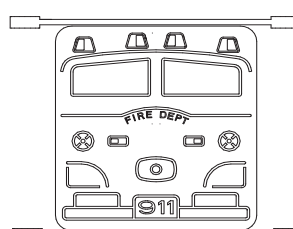
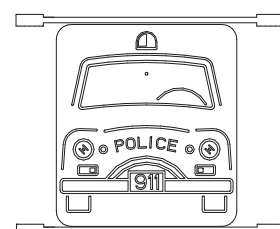
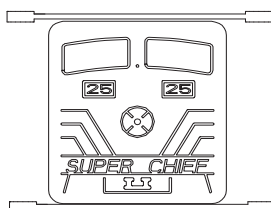
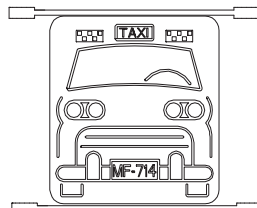
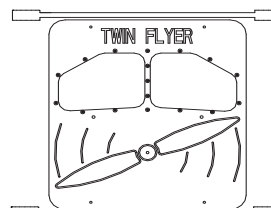
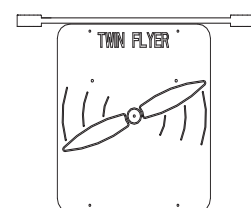
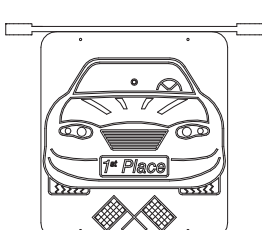
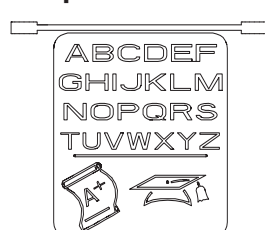
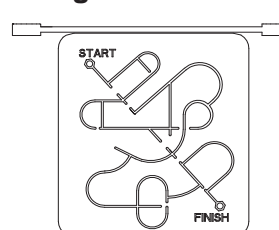
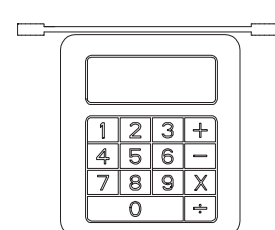
714-713-4B:
Computer Panel



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Imagination Panels & Activity Panels - Below Deck

714-713-5B:
Door Panel

714-713-5RB:
Door Panel, Reversed

714-713-6B:
Bank Teller Panel

714-713-7B:
General Store Panel

714-713-8B:
Ticket Panel

714-714-1B:
Park Ranger Panel

714-714-2B:
Fire Truck Panel

714-714-3B:
Police Panel

714-714-4B:
Train Panel

714-714-5B:
Taxi Panel

714-714-6B:
Pilot Panel w/
Window

714-714-7B:
Pilot Panel

714-714-8B:
Race Car Panel

714-715-1B:
Alphabet Panel

714-715-2B:
Finger Maze Panel

714-715-4B:
Calculator Panel


Top Views and Footing Layouts not shown. These models mount vertically on deck systems.

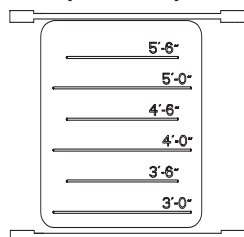
Imagination & Activity Panels (Below Deck)

714-602-6B, 714-617-B, 714-713-1B, 714-713-2B, 714-713-3B, 714-713-4B, 714-713-5B, 714-713-5RB, 714-713-6B, 714-713-7B, 714-713-8B, 714-714-1B, 714-714-2B, 714-714-3B, 714-714-4B, 714-714-5B, 714-714-6B, 714-714-7B, 714-714-8B, 714-715-1B, 714-715-2B, 714-715-4B, 714-715-6B, 714-715-7B, 714-715-10B, 714-715-11B, 714-715-12B, 714-715-13B, 714-715-15B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B

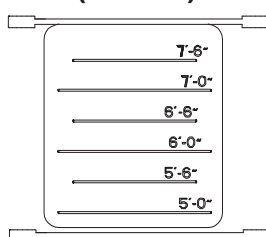
Kids' Choice®

Imagination Panels & Activity Panels - Below Deck

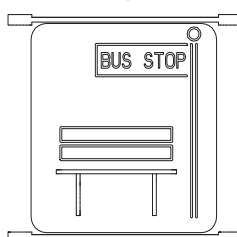
714-715-3B:
Jump Panel
(3' Deck)



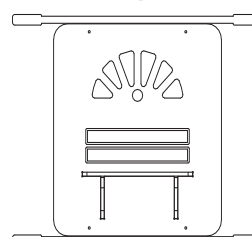
714-715-5B:
Jump Panel
(5' Deck)



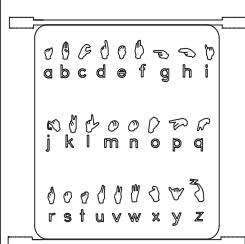
714-715-6B:
Bus Stop Panel



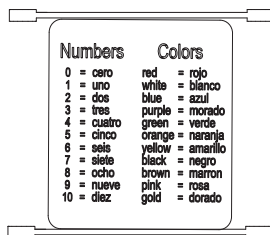
714-715-7B:
Rest Stop Panel



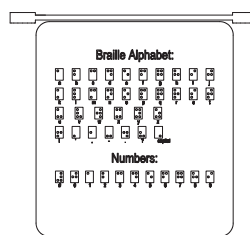
714-715-10B:
Sign Language
Panel



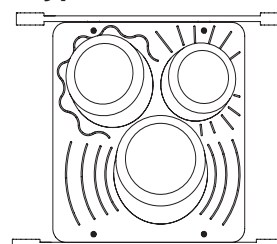
714-715-11B:
Spanish Panel



714-715-12B:
Braille Panel



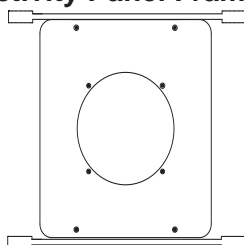
714-715-13B:
Calypso 3-Drum Panel



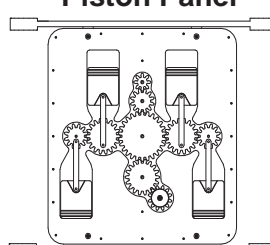
714-715-15B:
Chinese Panel



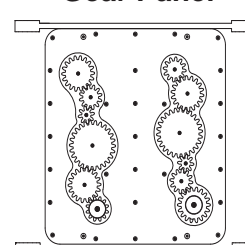
714-715-20B:
Activity Panel Frame



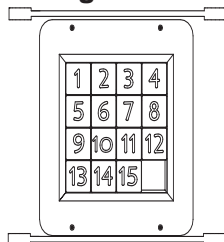
714-761-2B:
Piston Panel



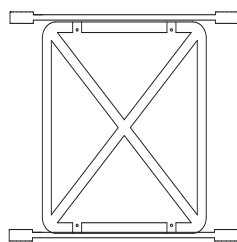
714-761-3B:
Gear Panel



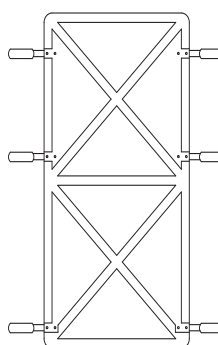
714-761-4B:
Sliding Tile Panel



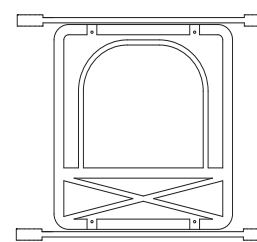
714-895-1B:
Barn Wall Panel



714-895-2B:
Barn Door Panel



714-895-3B:
Barn Window Panel



Top Views and Footing Layouts not shown. These models mount vertically on deck systems.

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Imagination Panels & Activity Panels - Below Deck

TOOLS AND EQUIPMENT REQUIRED

Also see "Suggested Tools & Equipment" (Doc. # D75002) in "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Step ladder
4. Drill, drill bits, extension cords, power supply
5. Adult installers - 2 minimum

STEP 1 INSTALL DECK SYSTEM

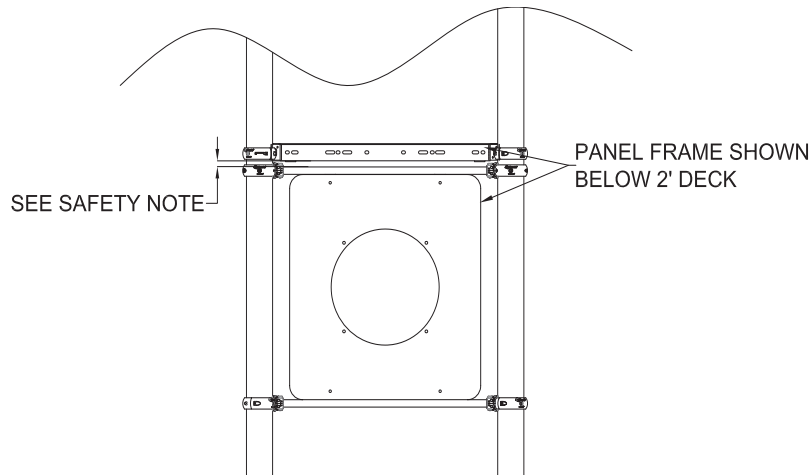
- 1a. Install deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings or permanently affix clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.

STEP 2 LOOSELY ATTACH CLAMP RINGS TO POSTS

- 2a. Refer to **Versalok Fastening System** installation located behind *Installations 101* in Installation Manual.
- 2b. Loosely assemble clamp rings around posts at desired height (see note below) and assemble bar sockets to clamps.

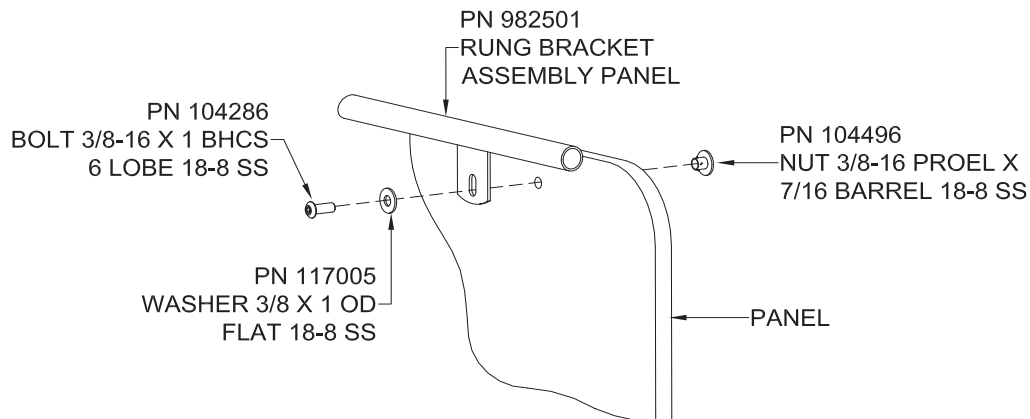
Safety Note: Vertical clearance space between panel assembly and lowest point of deck must be either (A) between 1" and 3", or (B) a minimum of 10".



Kids' Choice®

Imagination Panels & Activity Panels - Below Deck**STEP 3 ATTACH RUNG BRACKET TO PANEL**

3a. Attach top and bottom rung bracket to panel as shown.

3b. *Model 714-713-5B Door Panel and Model 714-713-5RB Reversed Door Panel:*

- Bottom rung bracket assembly comprises two (2) pieces (PN 983209) to maintain opening at door bottom.

3c. *Model 714-715-13B Calypso 3-Drum Panel:*

- Calypso 3-drum panel must be attached so drums are angled *UPWARD*.

3d. *Model 714-761-2B Piston Panel and Model 714-761-3B Gear Panel:*

- Determine panel assembly's "top" and "bottom"; knobs should be located to ensure comfortable operation by standing users.

3e. *Model 714-895-2B Barn Door Panel:*

- Assembly comprises of three (3) rungs, located at the top, middle and bottom, to be attached to panel as shown in step 4a.

STEP 4 INSERT RUNG BRACKETS IN BAR SOCKETS4a. Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual.4b. Insert rung bracket ends in bar sockets and tighten in place. Plumb and level panel assembly. Ensure that conditions of *Safety Note (in step 2)* are met. Tighten bar sockets on clamps and clamp rings around posts.

714-602-6B, 714-617-B, 714-713-1B, 714-713-2B, 714-713-3B, 714-713-4B, 714-713-5B, 714-713-5RB, 714-713-6B, 714-713-7B, 714-713-8B, 714-714-1B, 714-714-2B, 714-714-3B, 714-714-4B, 714-714-5B, 714-714-6B, 714-714-7B, 714-714-8B, 714-715-1B, 714-715-2B, 714-715-4B, 714-715-6B, 714-715-7B, 714-715-10B, 714-715-11B, 714-715-12B, 714-715-13B, 714-715-15B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B

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Imagination Panels & Activity Panels - Below Deck

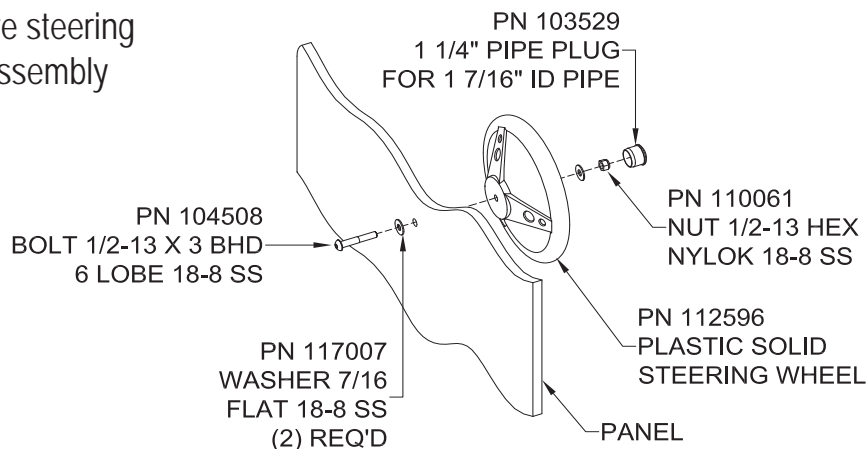
STEP 5 ATTACH COUNTER TO PANEL, IF APPLICABLE

5a. *Model 714-713-7B General Store Panel only.*

- Attach counter to panel using four (4) screws provided in panel.

STEP 6 SECURE STEERING WHEEL(S), IF APPLICABLE

6a. If applicable, secure steering wheel(s) to panel assembly as shown.



FINAL STEP

Refer to *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Imagination & Activity Panels (Below Deck)

714-602-6B, 714-617-B, 714-713-1B, 714-713-2B, 714-713-3B, 714-713-4B, 714-713-5B, 714-713-5RB, 714-713-6B, 714-713-7B, 714-713-8B, 714-714-1B, 714-714-2B, 714-714-3B, 714-714-4B, 714-714-5B, 714-714-6B, 714-714-7B, 714-714-8B, 714-715-1B, 714-715-2B, 714-715-4B, 714-715-6B, 714-715-7B, 714-715-10B, 714-715-11B, 714-715-12B, 714-715-13B, 714-715-15B, 714-715-20B, 714-761-2B, 714-761-3B, 714-761-4B

Kids' Choice®

Imagination Panels & Activity Panels

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.**

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-617	Space Ship Panel	2
714-714-1	Park Ranger Panel	2
714-714-2	Fire Truck Panel	2
714-714-3	Police Panel	2
714-714-4	Train Panel	2
714-714-5	Taxi Panel	2
714-714-6	Pilot Panel with Window	2
714-714-7	Pilot Panel	2
714-714-8	Race Car Panel	2
714-715-1	Alphabet Panel	2
714-715-2	Finger Maze Panel	2
714-715-3	Jump Panel (3' Deck)	2
714-715-4	Calculator Panel	2
714-715-5	Jump Panel (5' Deck)	2
714-715-10	Sign Language Panel	2
714-715-11	Spanish Panel	2
714-715-12	Braille Panel	3
714-715-13	Calypso 3-Drum Panel	3
714-715-15	Chinese Panel	3
714-715-20	Activity Panel Frame	3
714-732	Welcome Panel (5-12)	3
714-732-1	Welcome Panel (2-5)	3
714-732-2	Welcome Panel (2-12)	3
714-761-2	Piston Panel	3
714-761-3	Gear Panel	3
714-761-4	Sliding Tile Panel	3
714-895-1	Barn Wall Panel	3
714-895-3	Barn Window Panel	3

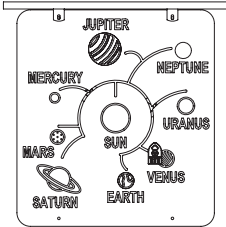
Note:

- *Deck systems are NOT included in these assemblies. Please refer to Construction Drawings for the model particular to your system.*
- *An (*) by a part number indicates: Color Code Required.*

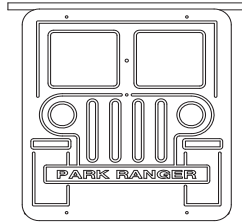
Kids' Choice®

Imagination Panels & Activity Panels

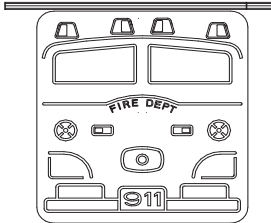
714-617:
Space Ship Panel



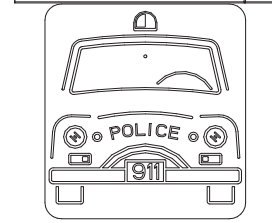
714-714-1:
Park Ranger Panel



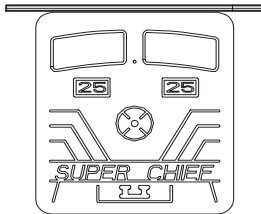
714-714-2:
Fire Truck Panel



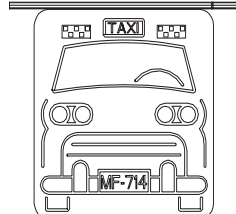
714-714-3:
Police Panel



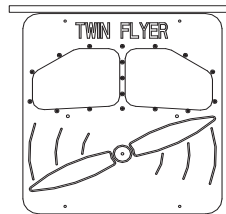
714-714-4:
Train Panel



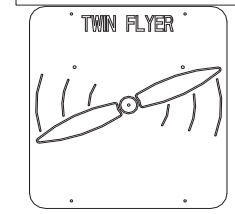
714-714-5:
Taxi Panel



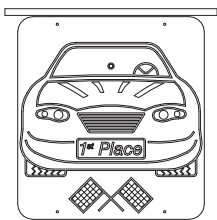
714-714-6:
Pilot Panel w/ Window



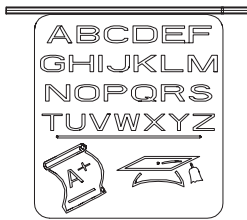
714-714-7:
Pilot Panel



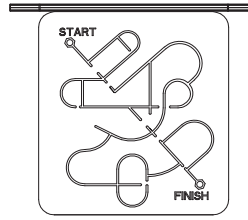
714-714-8:
Race Car Panel



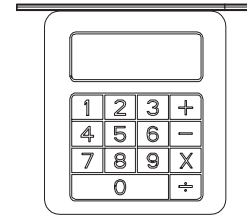
714-715-1:
Alphabet Panel



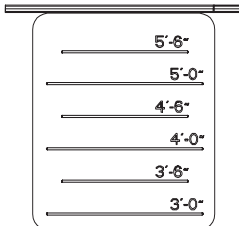
714-715-2:
Finger Maze Panel



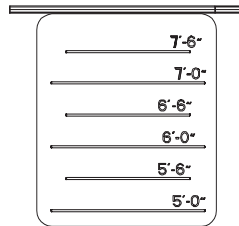
714-715-4:
Calculator Panel



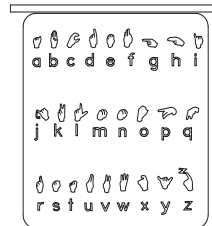
714-715-3:
Jump Panel (3' Deck)



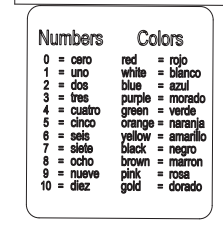
714-715-5:
Jump Panel (5' Deck)



714-715-10:
Sign Language Panel



714-715-11:
Spanish Panel

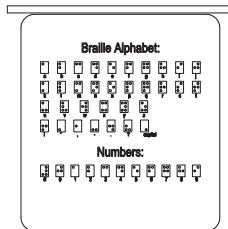


Top Views and Footing Layouts not shown. These models mount vertically on deck systems.

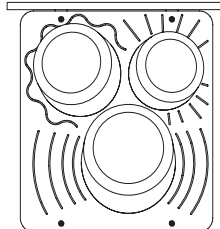
Kids' Choice®

Imagination Panels & Activity Panels

**714-715-12:
Braille Panel**



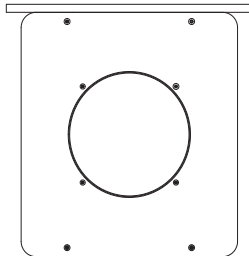
**714-715-13:
Calypso 3-Drum Panel**



**714-715-15:
Chinese Panel**



**714-715-20:
Activity Panel Frame**



**714-732-1:
Welcome Panel (2-5)**



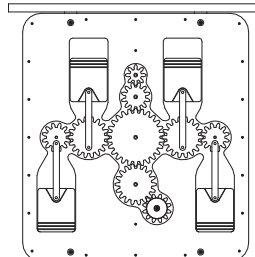
**714-732-2:
Welcome Panel (2-12)**



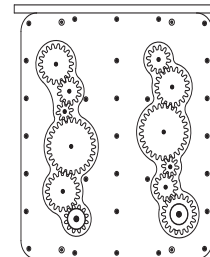
**714-732:
Welcome Panel (5-12)**



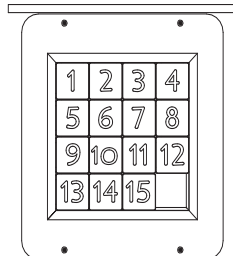
**714-761-2:
Piston Panel**



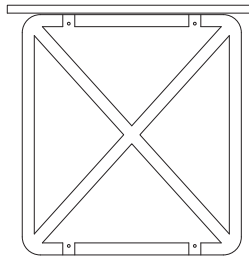
**714-761-3:
Gear Panel**



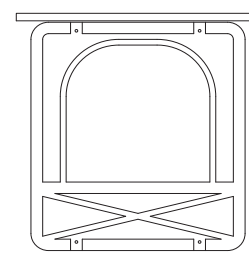
**714-761-4:
Sliding Tile Panel**



**714-895-1:
Barn Wall Panel**



**714-895-3:
Barn Window Panel**



Top Views and Footing Layouts not shown. These models mount vertically on Deck systems.

Imagination Panels & Activity Panels

714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

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Imagination Panels & Activity Panels

TOOLS AND EQUIPMENT REQUIRED

Also see "Suggested Tools & Equipment" (Doc. # D75002) in "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Step ladder
4. Drill, drill bits, extension cords, power supply
5. Adult installers - 2 minimum

STEP 1 INSTALL DECK SYSTEM

- 1a. Install deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings or permanently affix clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.

STEP 2 DRILL EXCESS PVC FROM DECK MATING BOLT HOLES

- 2a. Center panel between posts against deck face to locate and mark mating bolt holes. Use drill to remove excess PVC from only those holes in the deck.

STEP 3 LOOSELY ATTACH CLAMP RINGS TO POSTS

- 3a. Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual.
- 3b. Loosely assemble clamp rings around deck posts so that bottom edge of each is **37-3/8"** from top edge of deck-supporting clamp. It is acceptable to approximate position of clamps until panel is completely installed. Loosely affix bar sockets to clamps.

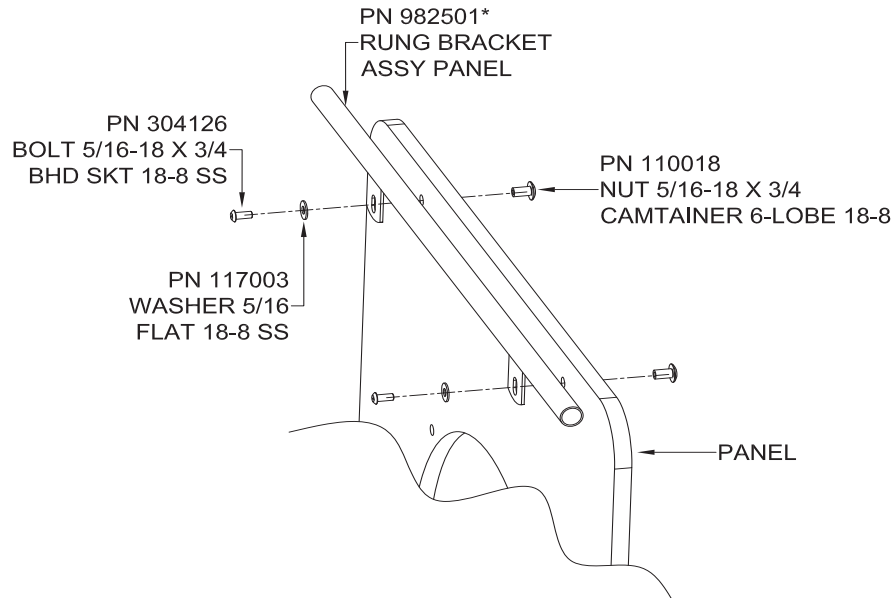
714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

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Imagination Panels & Activity Panels

STEP 4 ATTACH RUNG BRACKET TO PANEL

4a. Attach rung bracket to *top* of panel as shown.



4b. *Model 714-761-2 Piston Panel and Model 714-761-3 Gear Panel:*

- Determine panel assembly's "top" for rung bracket attachment. Knobs should be located to ensure comfortable operation by users either *on* or *off* deck. In general, knobs should be at panel top if gear mechanism faces inward (for users standing on deck), or at bottom if gear mechanism faces outward (for users standing on ground or lower deck).

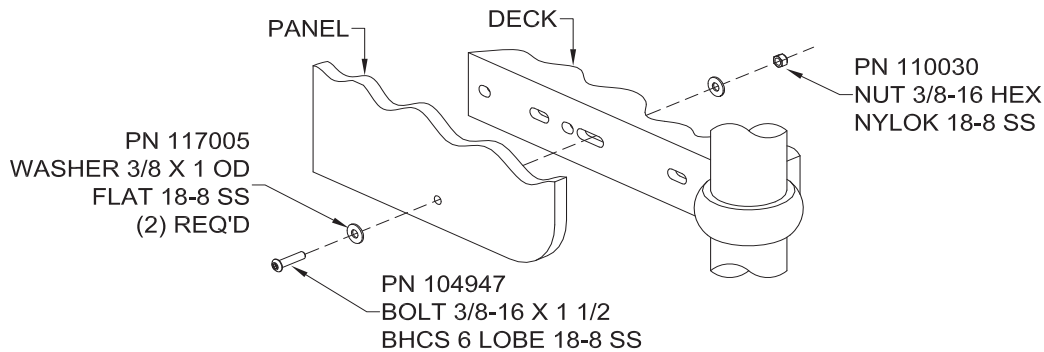
4c. *Model 714-715-13 Calypso 3-Drum Panel:*

- Determine panel assembly's "top" for rung bracket attachment. Calypso 3-drum panel must be attached so drums are angled *UPWARD*.

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Imagination Panels & Activity Panels**STEP 5 AFFIX PANEL TO DECK**

5a. Replace panel against deck. Attach bottom of panel to deck face with bolts through outermost holes.



Note: Model's 714-761-2 and 714-761-3 will use PN 304007 (3/8" X 1-5/8" BHCS).

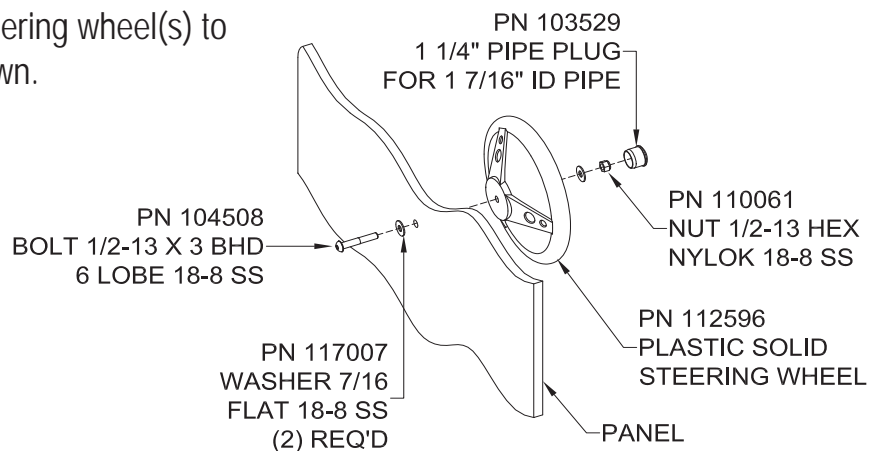
STEP 6 INSERT RUNG BRACKETS IN BAR SOCKETS

6a. Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual.

6b. Insert rung bracket ends in bar sockets and tighten in place. Plumb and level panel assembly. Tighten bar sockets on clamps and clamp rings around posts.

STEP 7 SECURE STEERING WHEEL(S), IF APPLICABLE

7a. If applicable, secure steering wheel(s) to panel assembly as shown.

**FINAL STEP**

Proceed with *Final Assembly* installation located behind *Installations 101* in Installation Manual.

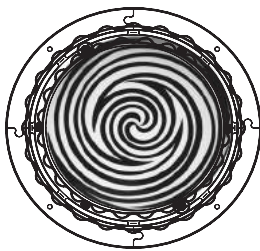
714-617, 714-714-1, 714-714-2, 714-714-3, 714-714-4, 714-714-5, 714-714-6, 714-714-7, 714-714-8, 714-715-1, 714-715-2, 714-715-3, 714-715-4, 714-715-5, 714-715-10, 714-715-11, 714-715-12, 714-715-13, 714-715-15, 714-715-20, 714-732, 714-732-1, 714-732-2, 714-761-2, 714-761-3, 714-761-4, 714-895-1, 714-895-3

Activity Panel Inserts

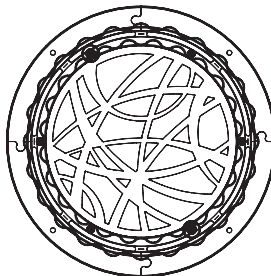
IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

ACTIVITY PANEL INSERTS

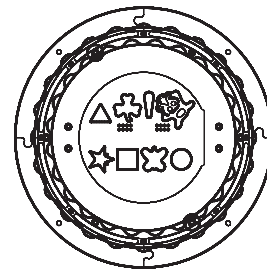
714-715-201
Hypnotize Insert



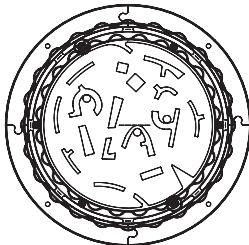
714-715-202
Funhouse Insert



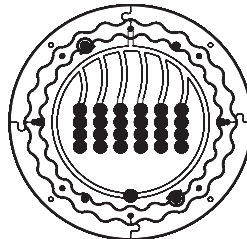
714-715-203
Very Buried Insert



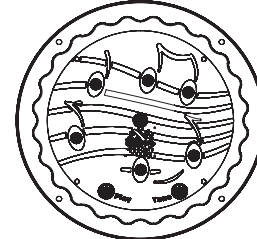
714-715-204
A-maze-ing Insert



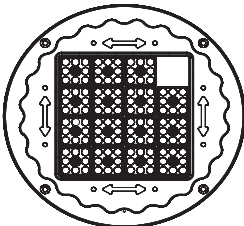
714-715-205
Four-the-Win Insert



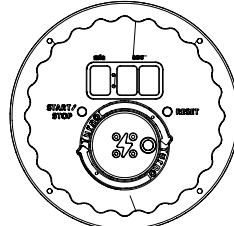
714-715-206
Magical Music Insert



714-715-207
Slide & Solve Insert



714-715-208
3-Digit RG Timer Insert



TOOLS AND EQUIPMENT REQUIRED

Also see "Installations 101"

1. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
1. Drill, drill bits, extension cords, power supply
3. One adult installer

Activity Panel Inserts

HYPNOTIZE PANEL INSERT FOR KC/TC/TCX Model 714715201

CODE	DESCRIPTION	QTY
PPB0000	ASSY - HYPNOTIZE INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

FUNHOUSE PANEL INSERT FOR KC/TC/TCX Model 714715202

CODE	DESCRIPTION	QTY
PPC0000	ASSY - FUNHOUSE MIRROR INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

VERY BURIED PANEL INSERT FOR KC/TC/TCX Model 714715203

CODE	DESCRIPTION	QTY
PPE0000	ASSY - VERY BURIED INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

A-MAZE-ING PANEL INSERT FOR KC/TC/TCX Model 714715204

CODE	DESCRIPTION	QTY
PPA0000	ASSY - A-MAZE-ING INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

FOUR-THE-WIN PANEL INSERT FOR KC/TC/TCX Model 714715205

CODE	DESCRIPTION	QTY
PPD0000	ASSY - FOUR-THE-WIN INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

MAGICAL MUSIC PANEL INSERT FOR KC/TC/TCX Model 714715206

CODE	DESCRIPTION	QTY
ASY0448	ASSY - MUSIC INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

SLIDE & SOLVE PANEL INSERT FOR KC/TC/TCX Model 714715207

CODE	DESCRIPTION	QTY
ASY0447	ASSY - TILE PUZZLE INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1

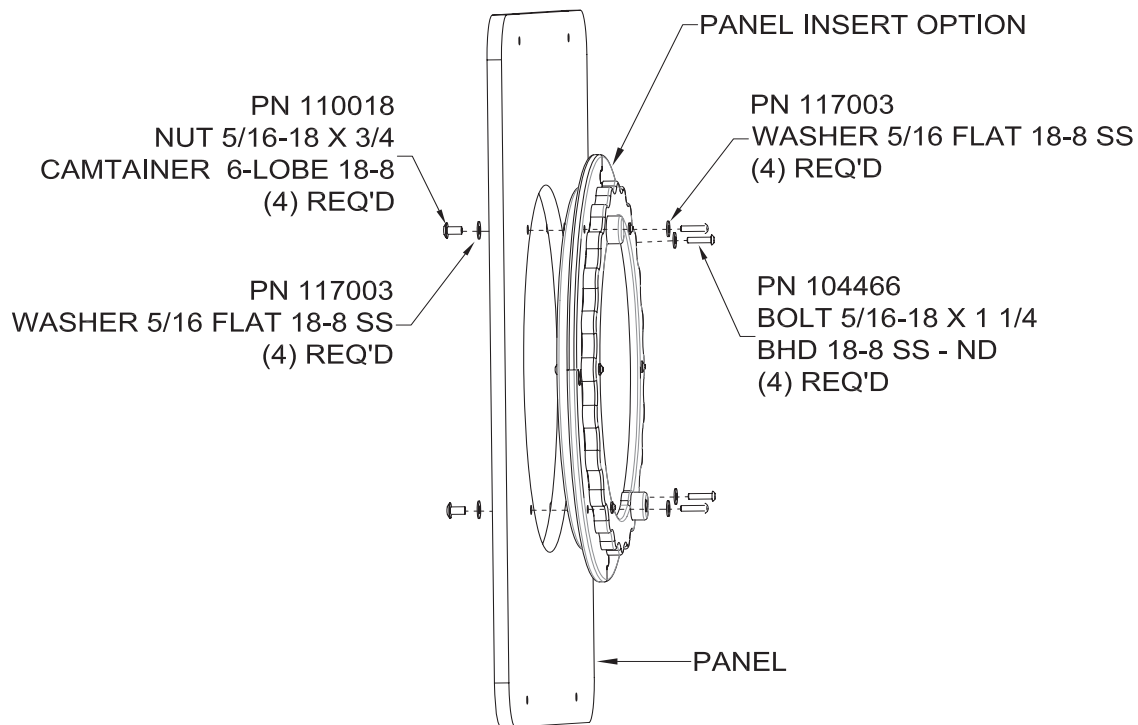
Activity Panel Inserts

3-DIGIT RG TIMER Model 714715208		
CODE	DESCRIPTION	QTY
930674	3-DIGIT RG TIMER INSERT	1
923418	PC F/ACTIVITY PANEL INSERT	1
PC F/ACTIVITY PANEL INSERT 923418		
CODE	DESCRIPTION	QTY
HW923418-1	HRDW PKG F/PLAY PANEL S1/1	1
HRDW PKG F/PLAY PANEL S1/1 HW923418-1		
CODE	DESCRIPTION	QTY
117003	WASHER 5/16 FLAT 18-8 SS	4
110018	NUT 5/16-18 X 3/4 CAMTAINER 6-LOBE 18-8	4
104466	BOLT 5/16-18 X 1 1/4 BHD 18-8 SS - ND	4

Activity Panel Inserts

STEP 1 ATTACH PANEL INSERT

- 1a. *Above Deck*: Attach panel insert, *always facing inside the deck*, to the activity panel frame.
- 1b. *Below Deck*: Attach panel insert, *always facing away from the deck*, to activity panel frame.



Note: Activity panel attachment *below deck* is shown.

FINAL STEP

Refer to *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Kids' Choice®

Vertical Climbers

Cliff Climber, Canyon Climber, Trap Door Climber, Climbing Pole, Spider Climber, Spiral Climber, Wiggly Worm Climber & Bumper Ladder

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.

Models included in this installation guide:

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-719	Cliff Climber for 3' or 5' Deck	2
714-719-6	Cliff Climber for 6'-6" Deck	2
714-721	Canyon Climber for 3' or 5' Deck	2
714-721-6	Canyon Climber for 6'-6" Deck	2
714-721-10	Canyon Climber for 10' Deck	2
714-731	Trap Door Climber for 3' or 5' Deck	3
714-731-6	Trap Door Climber for 6'-6" Deck	3
714-808	Climbing Pole for 3', 5' or 6'-6" Deck	3
714-808-8	Climbing Pole for 8' Deck	3
714-908	Spider Climber for 3', 5' or 6'-6" Deck	4
714-969	Spiral Climber for 6'-6 Deck	4
714-969-5	Spiral Climber for 3' or 5' Deck	4
714-974-6	Wiggly Worm Climber for 5' or 6'-6" Deck	5
714-974-8	Wiggly Worm Climber for 8' Deck	5
714-976-3	Bumper Ladder for 3' Deck	5
714-976-5	Bumper Ladder for 5' Deck	5
714-976-6	Bumper Ladder for 6'-6" Deck	5

NOTE: Deck Systems are NOT included in these assemblies.

Please refer to Construction Drawings for the model particular to your system.

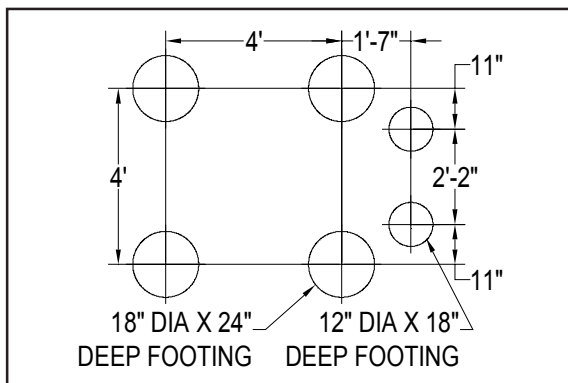
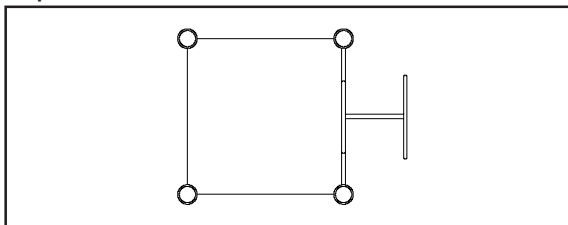
TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, jack stands, sawhorses, concrete blocks, bricks, etc).
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladder
8. Adult installers - 2 minimum

Kids' Choice® Vertical Climbers

Top View

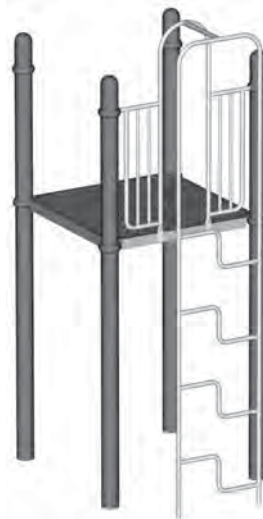


Footing Layout

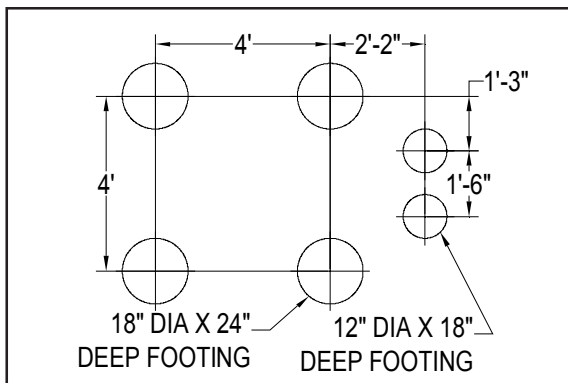
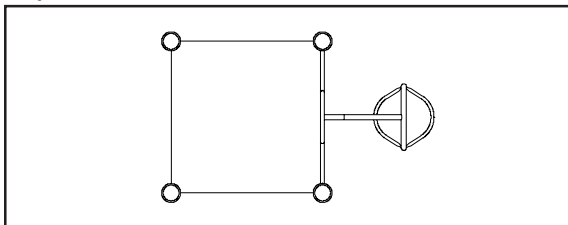
714-719* & 714-719-6

Cliff Climber for 6'-6" Deck

* Model # 714-719 Cliff Climber for 3' or 5' Deck not shown.
Top View, Footing Layout and Installation are identical.



Top View



Footing Layout

714-721* , 714-721-6 & 714-721-10*

Canyon Climber for 6'-6" Deck

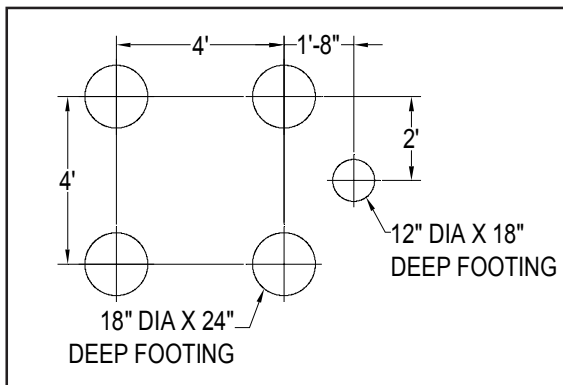
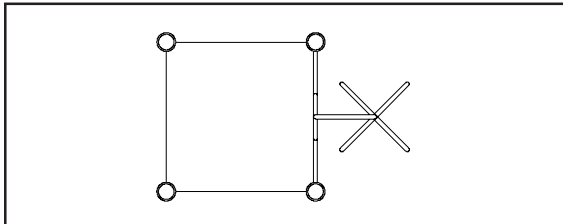
* Model # 714-721 Canyon Climber for 3' or 5' Deck and
Model # 714-721-10 Canyon Climber for 10' Deck not shown.
Top View, Footing Layout and Installation are identical.



714-719, 714-719-6, 714-721, 714-721-10, 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

Top View



Footing Layout

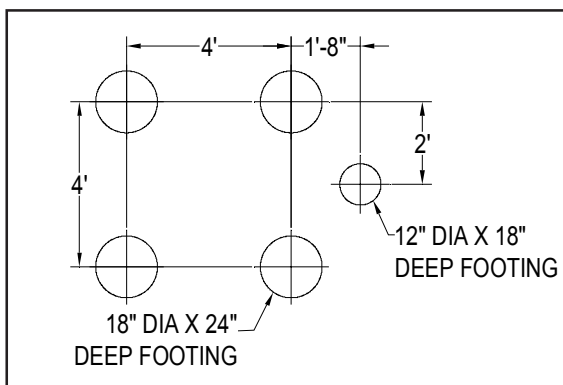
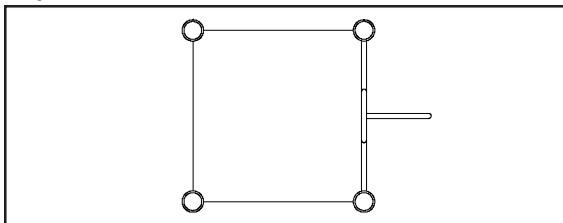
714-731* & 714-731-6

Trap Door Climber for 6'-6" Deck

* Model # 714-731 Trap Door Climber for 3' or 5' Deck not shown. Top View, Footing Layout and Installation are identical.



Top View

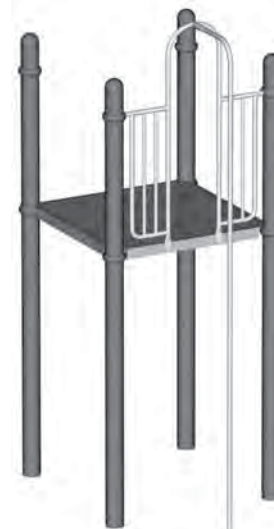


Footing Layout

714-808 & 714-808-8*

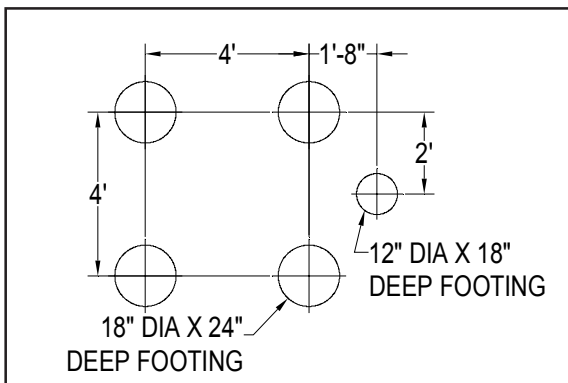
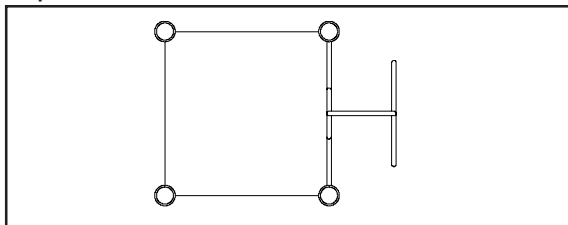
Climbing Pole for 3', 5' or 6'-6" Deck

* Model # 714-808-8 Climbing Pole for 8' Deck not shown. Top View, Footing Layout and Installation are identical.

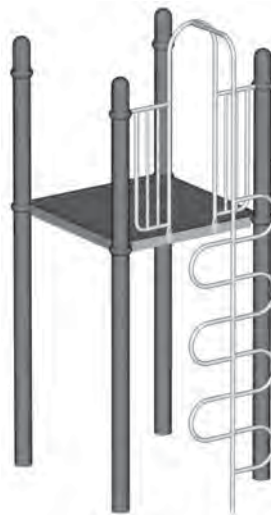


Kids' Choice® Vertical Climbers

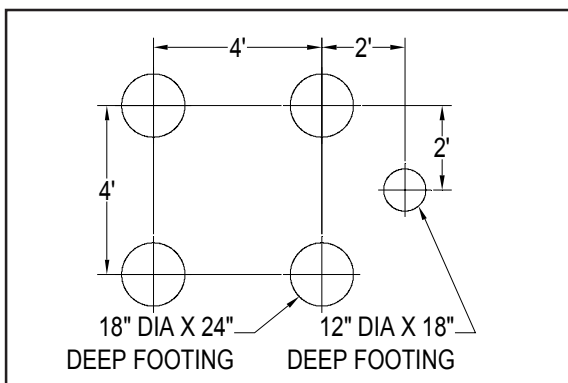
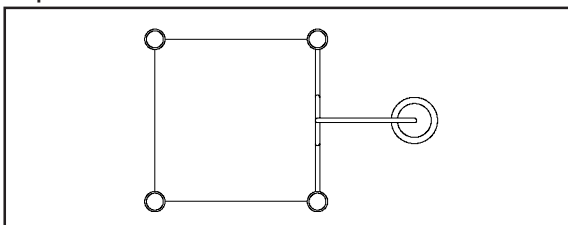
Top View



Footing Layout

714-908**Spider Climber for 3', 5' or 6'-6" Deck**

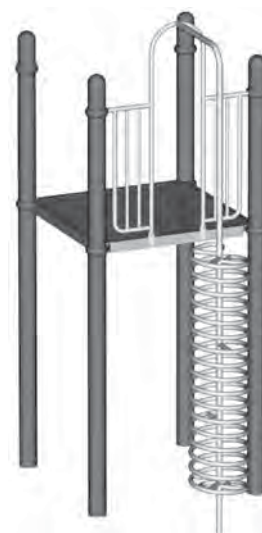
Top View



Footing Layout

714-969 & 714-969-5***Spiral Climber for 6'-6" Deck**

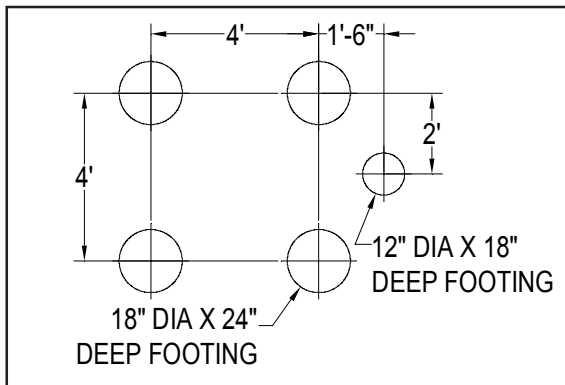
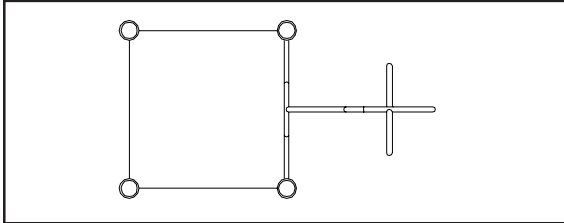
* Model # 714-969-5 Spiral Climber for 3' or 5' Deck not shown. Top View, Footing Layout and Installation are identical.



714-719, 714-719-6, 714-721, 714-721-10, 714-731, 714-731-6, 714-808, 714-808-8, 714-908, 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

Top View

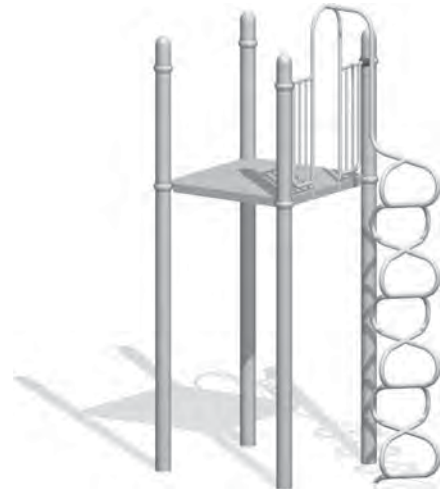


Footing Layout

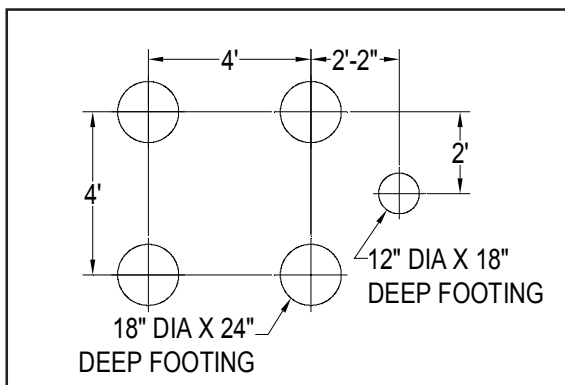
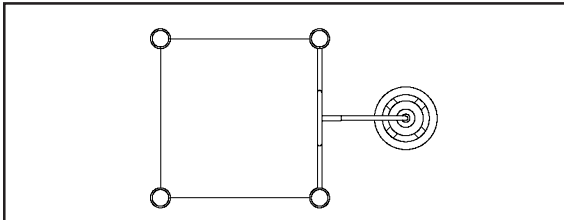
714-974-6* & 714-974-8

Wiggly Worm Climber for 8' Deck

* Model # 714-974-6 Wiggly Worm Climber for 5' or 6'-6" Deck not shown. Top View, Footing Layout and Installation are identical.



Top View



Footing Layout

714-976-3 & 714-976-5* & 714-976-6*

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. Top Views, Footing Layouts and Installations are identical.



Kids' Choice® Vertical Climbers

STEP 1 INSTALL DECK SYSTEM PER SEPARATE INSTRUCTIONS

Install Deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings or permanently secure Clamps to Posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position level and plumb.

STEP 2 DIG FOOTINGS

Dig footings per *Footing Layouts*, Construction Drawings, and to *Footing Details* installation located behind *Installations 101* in Installation Manual.

STEP 3 ASSEMBLE CLAMP RINGS TO POSTS AND BAR SOCKETS TO CLAMPS

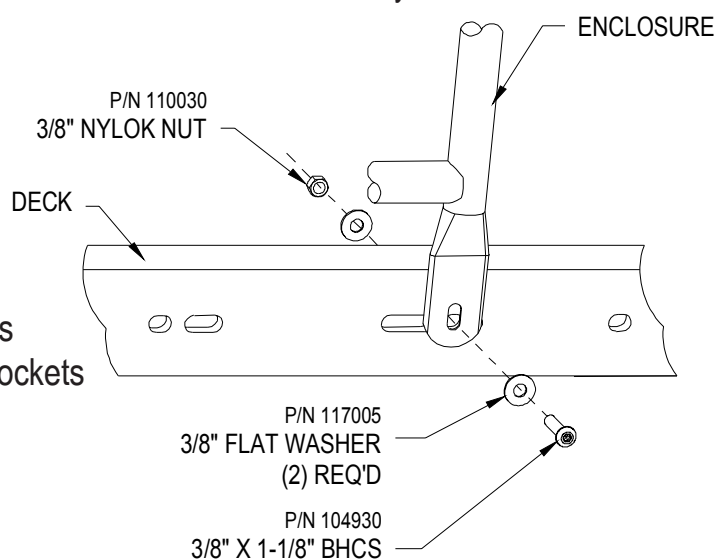
Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual.

Loosely assemble Clamp Rings around Posts so that bottom edge of each Clamp is 37-3/8" from top edge of Deck-supporting Clamp. Loosely assemble Bar Sockets to Clamps.

STEP 4 ATTACH ENCLOSURE TO DECK

Position Arch Enclosure against Deck, aligning holes in mashed ends of plumb Enclosure uprights with holes in Deck face. Use drill to ream excess PVC from only those holes in Deck.

Refer to *Versalok Fastening System* installation. Place Enclosure's top rails into Bar Sockets on Clamps, aligning holes in Enclosure uprights with holes in Deck. Plumb and level Arch Enclosure and secure to Deck as shown. Tighten rails in Bar Sockets with set screws, and Bar Sockets around Clamps.



Kids' Choice® Vertical Climbers

STEP 5 SET CLIMBER INTO FOOTING(S)

Set Climber into footing(s).

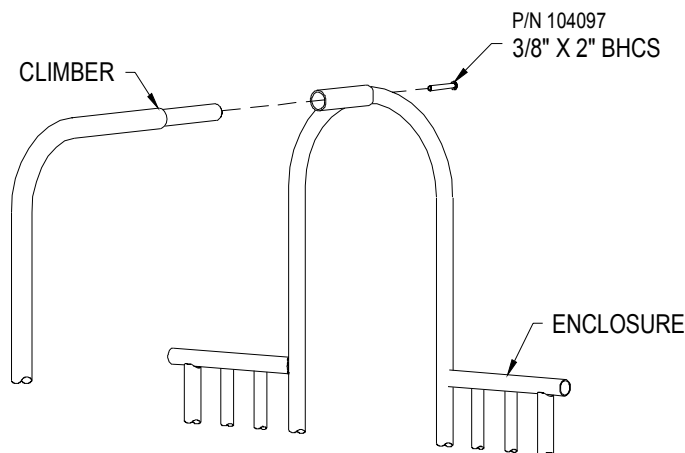
Note: Some Climber Assemblies require cutting at bottom end to properly fit certain Deck heights. If necessary, measure 90" from top surface of Climber and add distance of Deck height from finished grade to locate cut mark. (This formula allows for 12" of protective surfacing and allows adjusted Climber to reach bottom of Footing hole). Cut Climber at mark.

Note: BUMPER LADDERS ONLY! When pouring concrete into the footings, do NOT cover the swaged connection with concrete.

Note: Wiggly Worm Climbers may distort slightly during shipping. This is normal and Climber can be realigned once placed into footing.

STEP 6 ATTACH CLIMBER TO ARCH ENCLOSURE

Firmly seat stub at top of Climber Assembly in Arch Enclosure's sleeve. Attach Climber to Arch Enclosure as shown.



FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

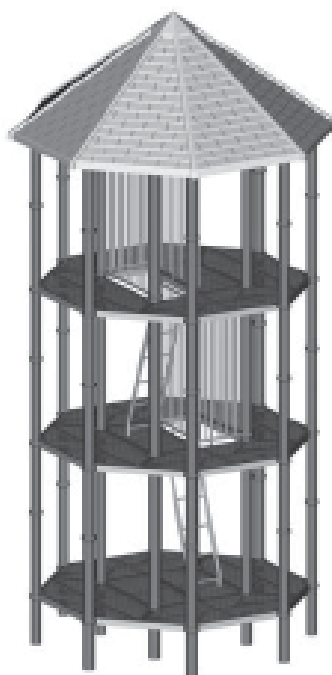
Kids' Choice®

Treehouse Roofs for Octagon Decks and Hexagon Decks

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.



Model 714730
Roof Treehouse
Octagon



Model 714730ME
Roof Treehouse
w/EXT Octagon
Mega Tower



Model 7147306
Roof Treehouse
Hexagon

NOTE:

Deck system not included in these models.

RECOMMENDED ASSEMBLY SEQUENCE

1. Deck system (per separate instructions)
2. Roof Sections together
3. Roof Mount Receivers into Posts
4. Roof to Roof Mount Receivers
5. Roof Mount Receivers to Posts
6. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' in "Installations 101"

1. Tape measure and level
2. Drill, drill bits, power supply, extension cord(s)
3. Bobcat or small crane
4. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
5. Adult installers - 3 minimum

Treehouse Roofs for Octagon & Hex Decks

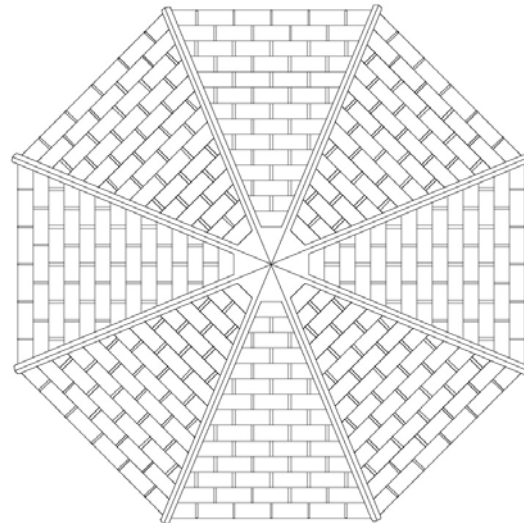
714730, 714730ME, 7147306

Kids' Choice®

Treehouse Roofs for Octagon Decks and Hexagon Decks

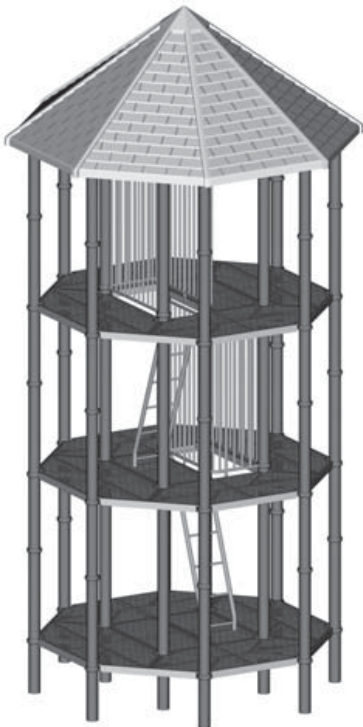


TOP VIEW

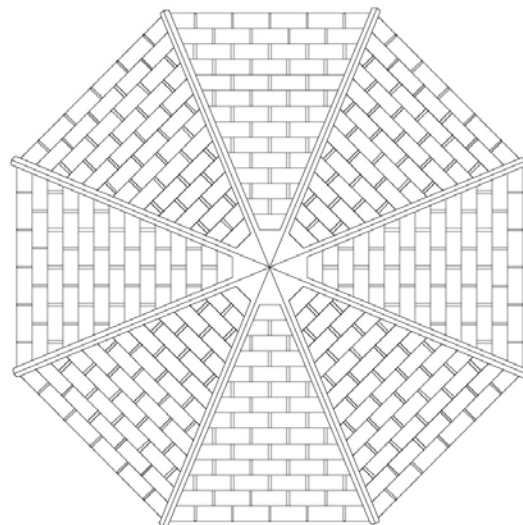


Note: Refer to Deck system's Installation Guide for Footing Layout.

Model 714730 Roof Treehouse Octagon



TOP VIEW

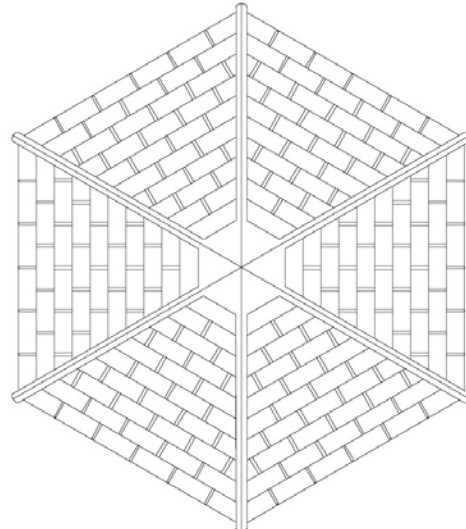


Note: Refer to Deck system's Installation Guide for Footing Layout.

Model 714730ME Roof Treehouse w/EXT Octagon Mega Tower

Kids' Choice®

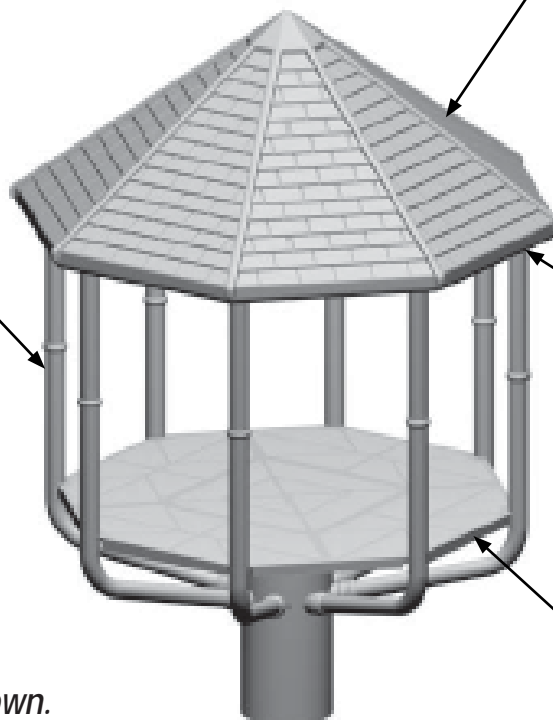
Treehouse Roofs for Octagon Decks and Hexagon Decks


TOP VIEW


Note: Refer to Deck system's Installation Guide for Footing Layout.

Model 7147306 Roof Treehouse Hexagon
PARTS IDENTIFICATION

POST (8) REQ'D
Model 7147306
requires (6) posts



ROOF SECTION (4) REQ'D
Model 7147306 contains (3)
Roof Sections

ROOF MOUNT
RECEIVER
(1) REQ'D PER
POST

DECK ASSEMBLY

Note: Model 714730 shown.

714730, 714730ME, 7147306

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Treehouse Roofs for Octagon Decks and Hexagon Decks

STEP 1 PREPARE FOR INSTALLATION

1a. Read **Safety Brochure 100, Important Notes**, these instructions, and other enclosed materials. Unpack, count and become familiar with system components and hardware.

STEP 2 INSTALL DECK SYSTEM

2a. Install Deck system per separate instructions, and ensure that deck posts are level, plumb, and secured in footings, before proceeding with treehouse roof installation.

STEP 3 ASSEMBLE ROOF SECTIONS

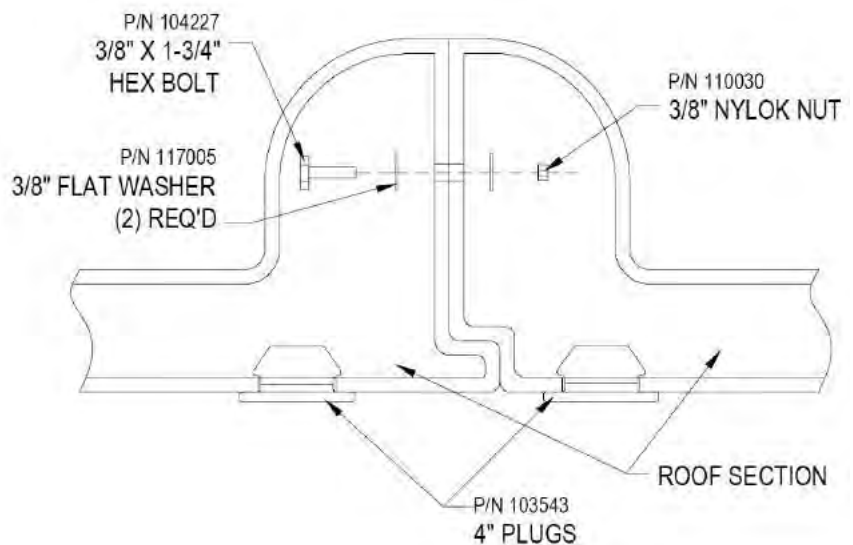
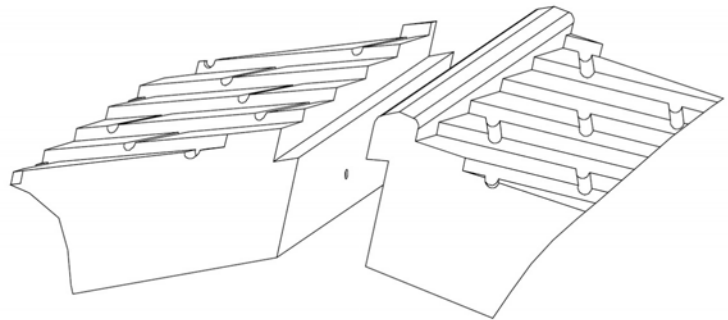
3a Assemble roof sections as shown but do not yet tighten bolts. Roof sections assemble flush by overlap and groove fittings.

For Model 714730 and 714730ME only: There are seven (7) connection points per seam.

For Model #7147306 only: There are eight (8) connection points per seam.

Note: Do not insert Plugs until Roof Assembly is completely installed.

Note: If required for EN 1176 compliance, caulk top 18" of each roof seam.



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Treehouse Roofs for Octagon Decks and Hexagon Decks

STEP 4 INSERT ROOF MOUNT RECEIVERS INTO DECK POSTS

4a. Insert roof mount receivers (or extended roof mount receivers) into tops of deck posts.

Refer to **Step 5** illustration or **Step 6** illustration.

Important Note: Do not secure roof mount receivers to deck posts until roof is secured to them and all components are plumb, level and braced in position.

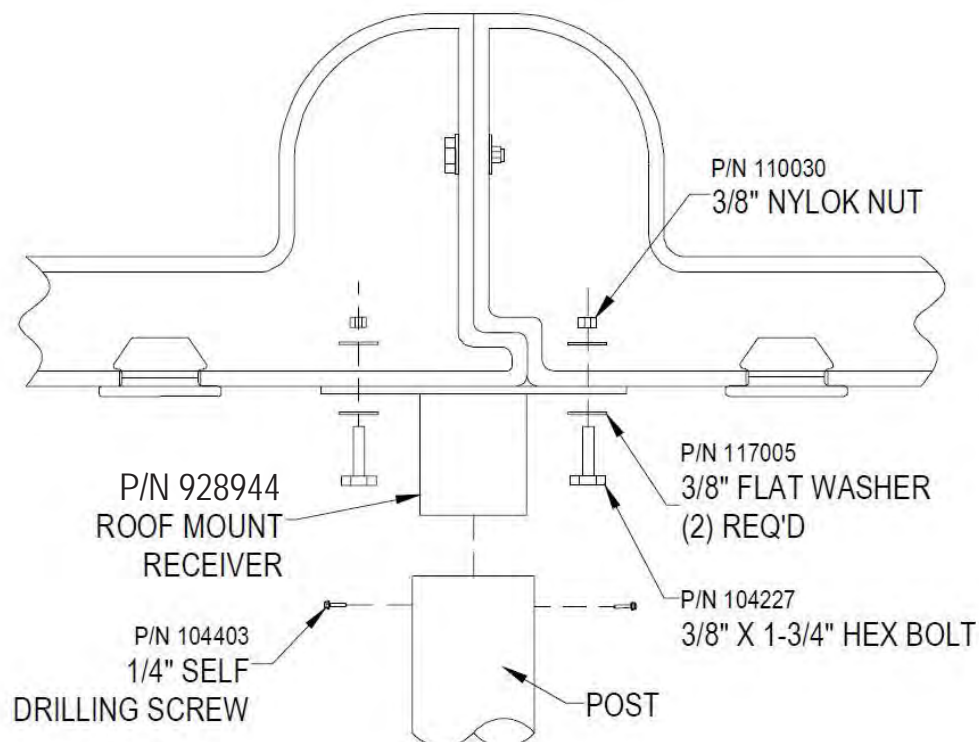
STEP 5 POSITION ROOF ASSEMBLY ON TOP OF MOUNT RECEIVERS: REGULAR DECK ONLY

5a. For Model 714730 and 7147306 Roofs for regular Decks (not Mega Tower) only:

Lift and position roof assembly on top of mount receivers.

Center and square roof assembly relative to deck, allowing equal amounts of "overhang" on all sides. Center and square each mount receiver against roof assembly. Some mount receivers should straddle seams in roof assembly.

Using roof mount receivers' four (4) bolt holes as a guide, drill 1/2" diameter holes in roof assembly. Secure roof assembly on mount receivers with bolts as shown. Affix mount receivers to deck posts by installing self-drilling screws on two opposite sides of each post 1" or 2" from post top.



Kids' Choice®

Treehouse Roofs for Octagon Decks and Hexagon Decks

STEP 6 POSITION ROOF ASSEMBLY ON TOP OF MOUNT RECEIVERS: MEGA TOWER DECK ONLY

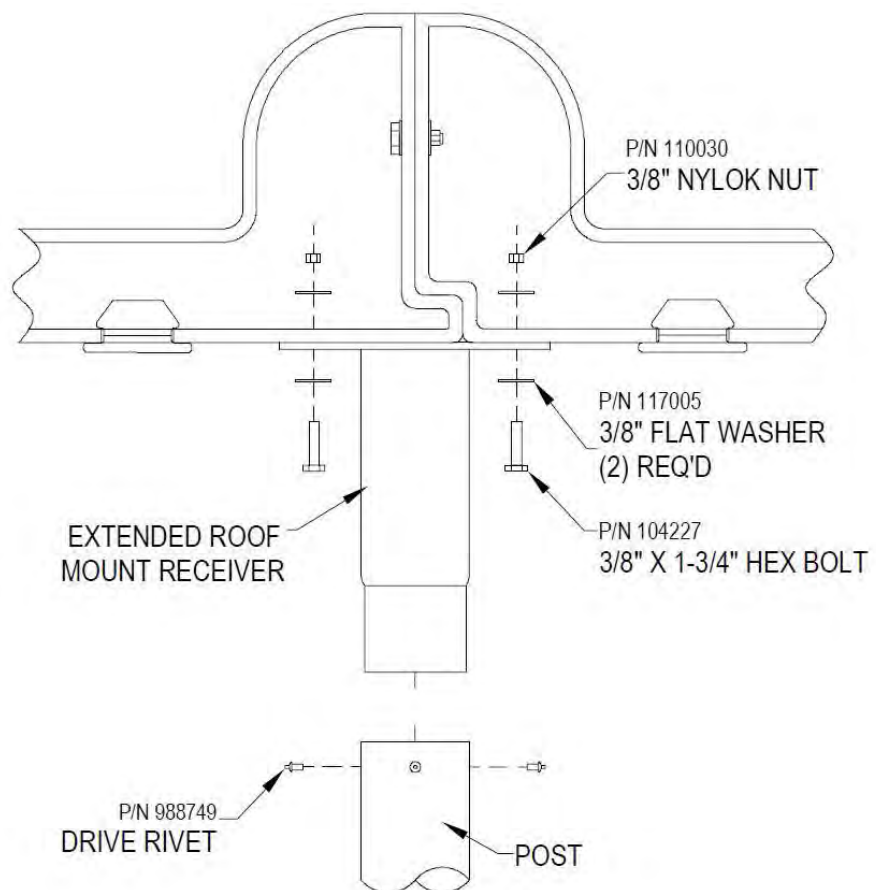
6a. *For Model 714730ME Roof for Mega Tower Deck only:*

Lift and position roof assembly on top of mount receivers.

Center and square roof assembly relative to deck, allowing equal amounts of "overhang" on all sides. Center and square each mount receiver against roof assembly. Some mount receivers should straddle seams in roof assembly.

Using roof mount receivers' four (4) bolt holes as a guide, drill $\frac{1}{2}$ " diameter holes in roof assembly. Secure roof assembly on mount receivers with bolts as shown.

Ensure roof is level on plumb posts supporting a level deck. Drill **two** $\frac{1}{4}$ " holes through deck post into extended roof mount receivers opposite each other on deck post, approximately 1" from deck post top. Fully seat drive rivets and strike pin with hammer to expand.



FINAL STEP

Cap holes in Roof Assembly with 4" plugs. Proceed with *Final Assembly installation*.

Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-759-59U	Typhoon SlideW/Domed Wave Hood from 5' Deck, 630°, 9'-4" Platform	2
714-759-69U	Typhoon Slide w/Domed Wave Hood from 6' & 6'-6" Deck, 630°, 9'-4" Platform	2
714-759-69UC	Typhoon Slide w/Domed Wave Hood from 6' & 6'-6" Deck, 630°, 9'-4" Platform, CSA	2
714-769-69U	Typhoon Slide w/Domed Wave Hood from 6' & 6'-6" Deck, 855°, 12' Platform	3
714-769-89U	Typhoon Slide w/Domed Wave Hood from 8' Deck, 855°, 12' Platform	3
714-769-109U	Typhoon Slide w/Domed Wave Hood from 10' Deck, 855°, 12' Platform	4

Deck system NOT included in these assemblies.

Please refer to Construction Drawings for the model particular to your system.

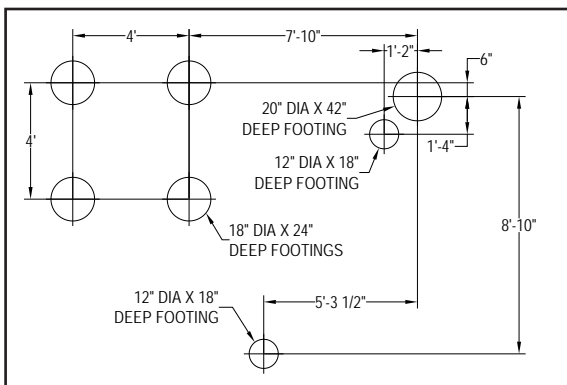
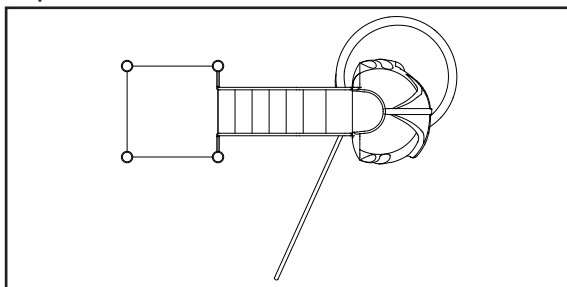
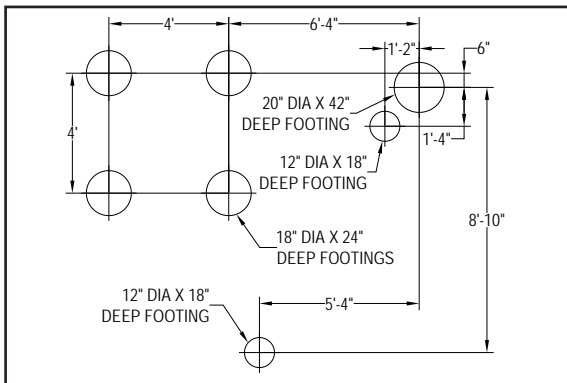
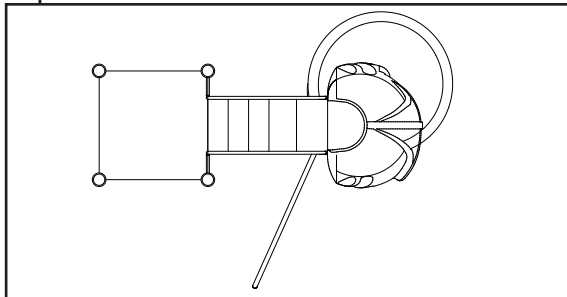
Note: An () by a part number (Code) indicates: Color Code Required.*

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footing holes (spade shovel, post hole digger, auger)
3. Bracing materials (2x4's, wood pieces, jack stands, sawhorses, concrete blocks, bricks, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Step ladder
7. Drill, drill bits, extension cords, power supply
8. Adult installers - 3 minimum

Kids' Choice® - Mira-Therm II

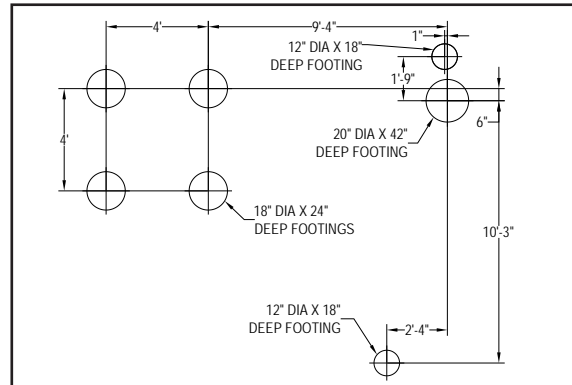
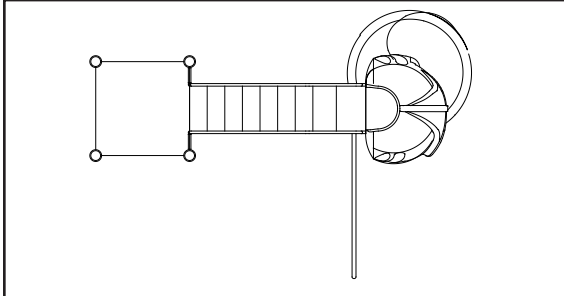
Typhoon Slides w/Domed Wave Hoodwith 9'-4" & 12' platforms from **5', 6', 6'-6", 8' and 10'** Decks**Top View****Footing Layout****71475959U****Typhoon Slide w/Domed Wave Hood
from 5' Deck, 630°, 9'-4" Platform****Top View****Footing Layout****714-759-69U & 714-759-69UC****Typhoon Slide w/Domed Wave 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**

Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

Top View



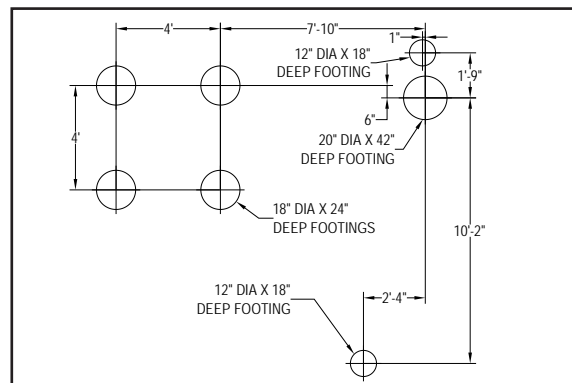
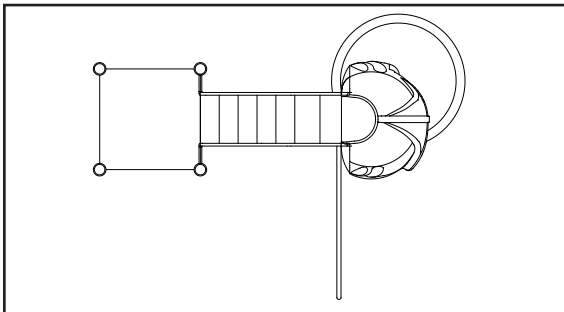
Footing Layout

714-769-69U

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



Top View



Footing Layout

714-769-89U

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



Typhoon Slides w/Domed Wave Hood

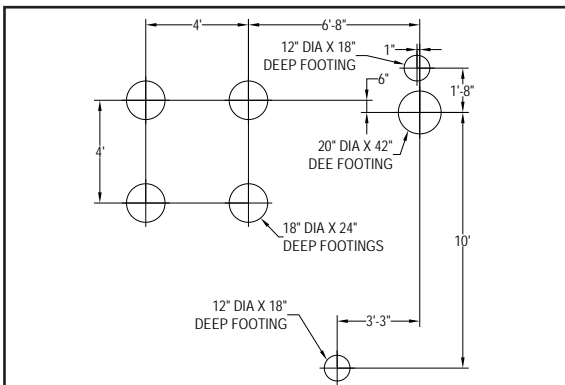
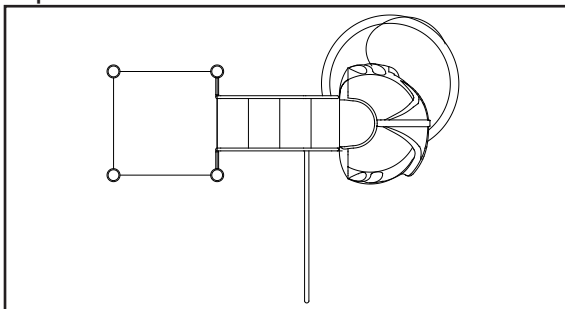
71475959U, 71475969U, 71476969U, 71476989U, 714769109U

Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

Top View



Footing Layout

714-769-109U**Typhoon Slide w/Domed Wave Hood
from 10' Deck, 855°, 12' Platform****STEP 1** INSTALL DECK

1a. Install Deck system per separate instructions. Plumb, level and brace in position.

STEP 2 DIG FOOTINGS2a. Dig footings per *Footing Layout*, Construction Drawings and *Footing Details* installation located behind *Installations 101* in Installation Manual.

Note: Do not pour concrete for footings, or permanently secure Clamps to Posts with self-drilling screws, until all components in system have been installed per instructions and braced in position level and plumb.

Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

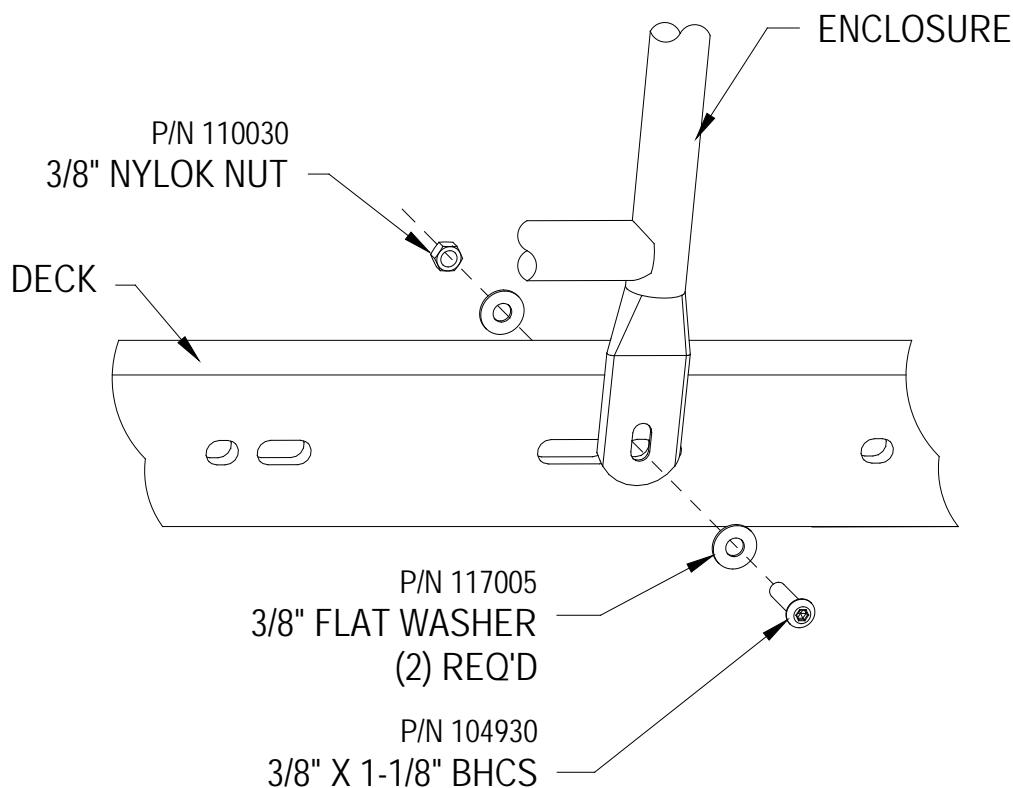
STEP 3 AFFIX CLAMPS TO POSTS; ATTACH ENCLOSURES TO CLAMPS

3a. Refer to *Versalok Fastening System installation*. Loosely assemble clamp rings around posts so that bottom edge of each is **37-3/8"** from top edge of deck-supporting clamp. It is acceptable to approximate position of clamps until deck enclosures are completely installed. Attach bar sockets loosely to clamps.

STEP 4 SECURE ENCLOSURES TO POSTS & DECK

4a. Insert stubs (without threaded inserts) at top of deck enclosures into bar sockets on clamps.

4b. Repositioning clamps as needed, secure deck enclosures to deck face as shown and tighten bar sockets and clamps on deck posts.



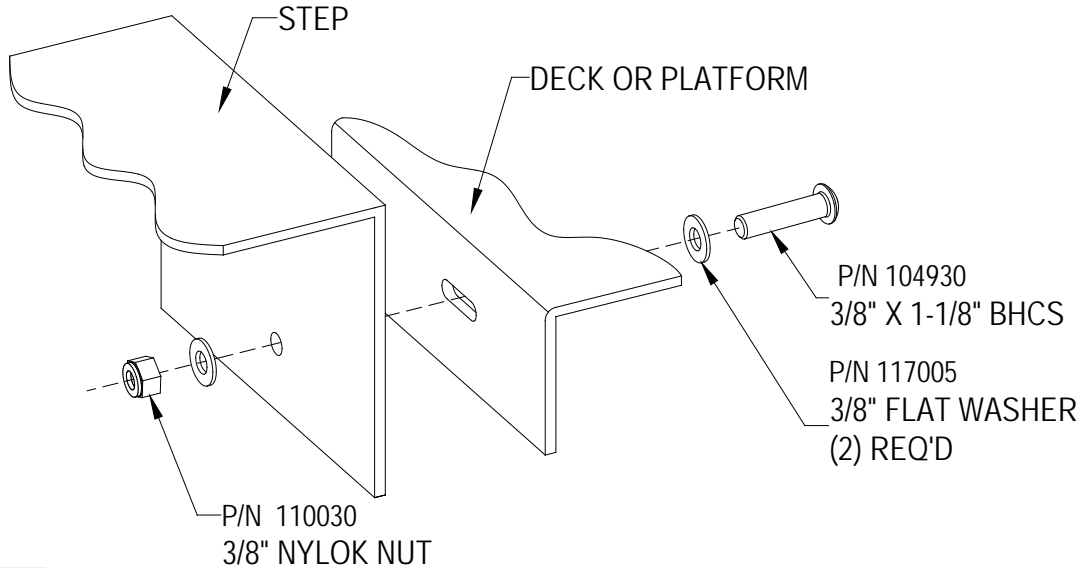
Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

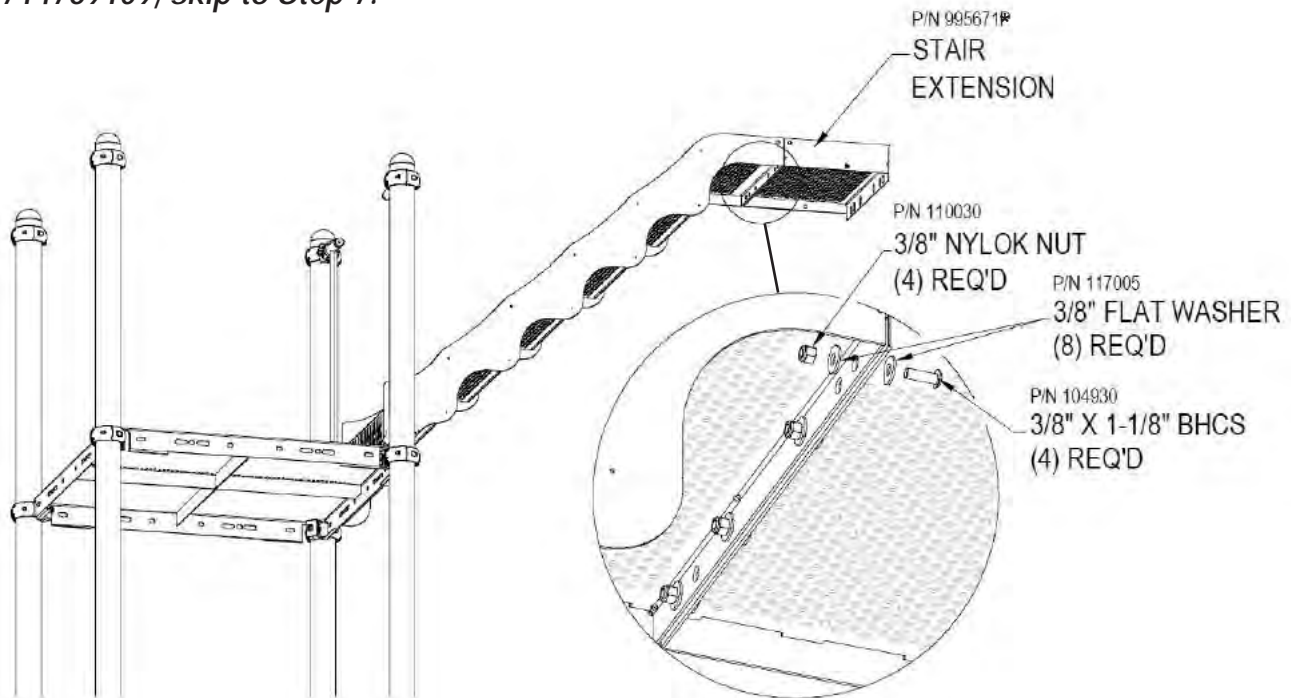
with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

STEP 5 BOLT STEPS TO DECK

5a. Position step assembly against deck face entered between posts, to determine four (4) mating bolt holes. Use drill to ream excess deck coating from only those holes in deck and step. Replace step assembly and secure to deck as shown.

**STEP 6 ATTACH STAIR EXTENSION TO STEPS**

6a. Mate bolt holes and attach in four places as shown. **NOTE: If you have Model 714769109, skip to Step 7.**



Kids' Choice® - Mira-Therm II

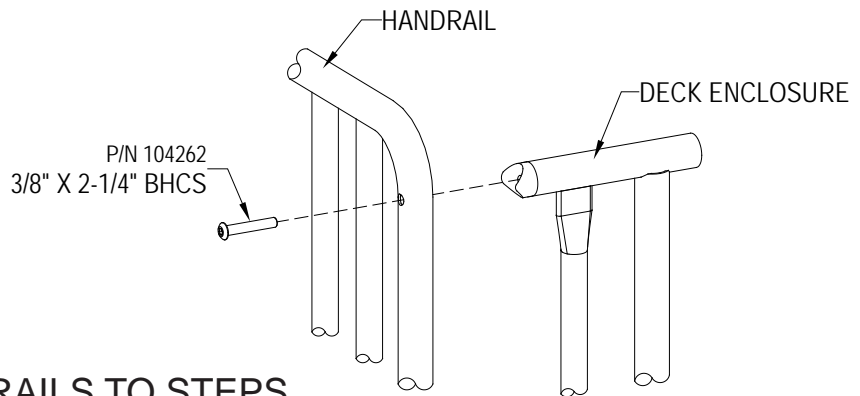
Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

STEP 7 ATTACH HANDRAILS TO ENCLOSURES

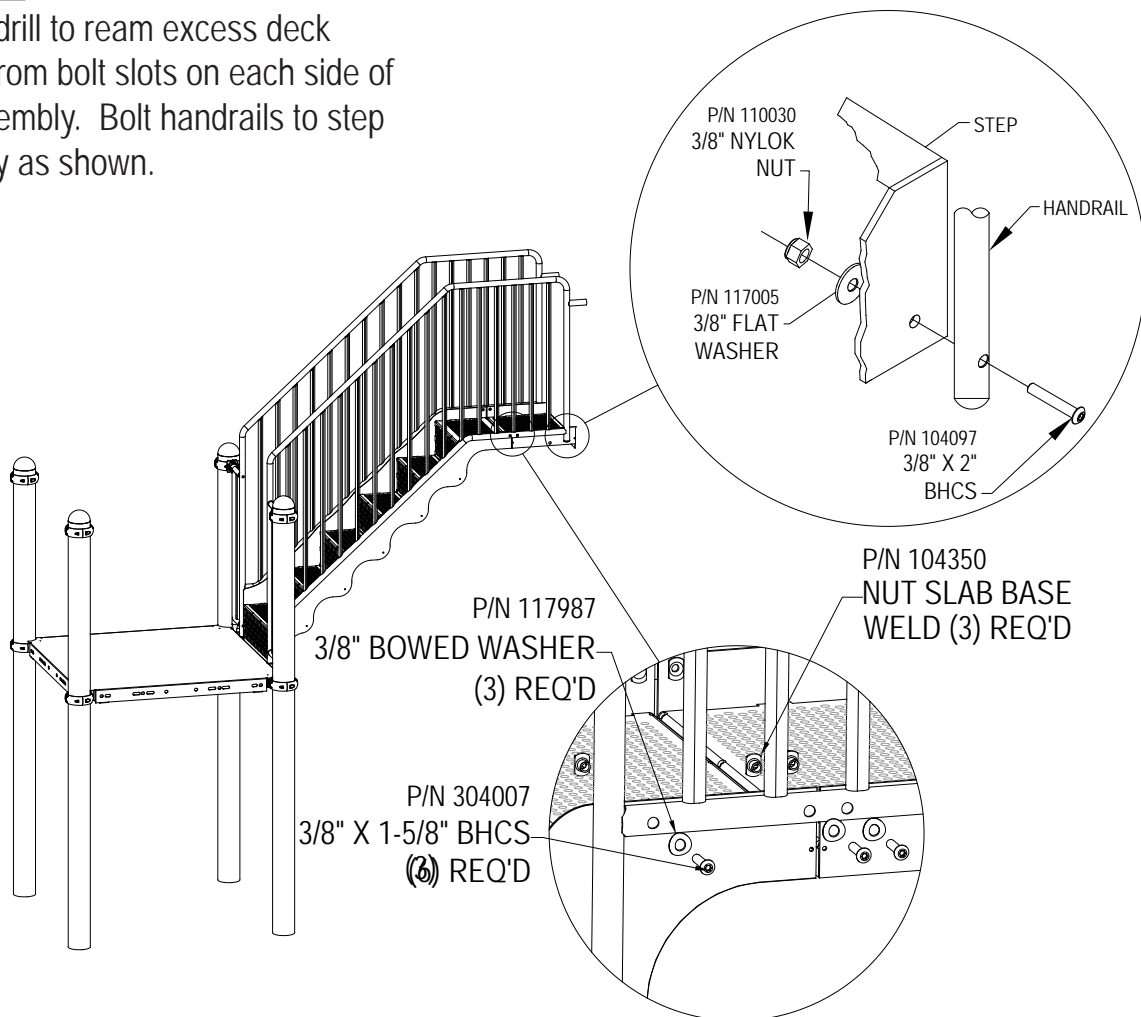
Note: It will be necessary to manually or mechanically suspend Handrails and Step Assembly in following installation steps until affixed to Slide Assembly in Step 11.

7a. Position handrails against deck enclosures. bolt through two (2) pre-drilled holes in handrails into ends of stubs on deck enclosures as shown.



STEP 8 FASTEN HANDRAILS TO STEPS

8a. Use drill to ream excess deck coating from bolt slots on each side of step assembly. Bolt handrails to step assembly as shown.



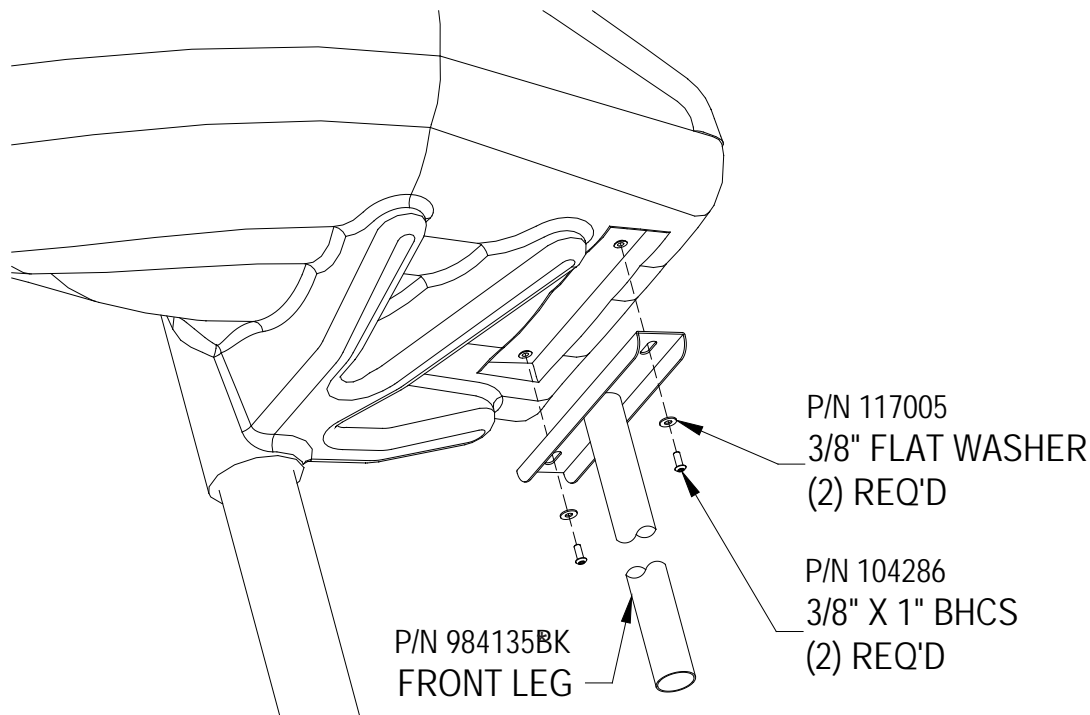
Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

STEP 9 SECURE FRONT LEG TO SLIDE

9a. Affix front leg to slide assembly as shown.

**STEP 10 SET SLIDE ASSEMBLY/FRONT LEG INTO CENTER FOOTING**

10a. Lift Slide Assembly. Set Center Pole Front Leg into footing holes.

Note: It will be necessary to manually or mechanically suspend Slide Assembly until Steps and Handrails are attached and secured.

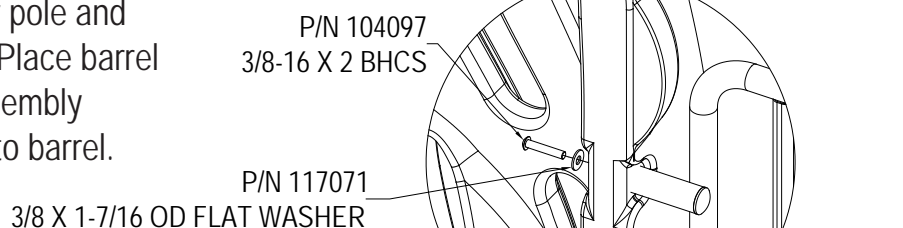
Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

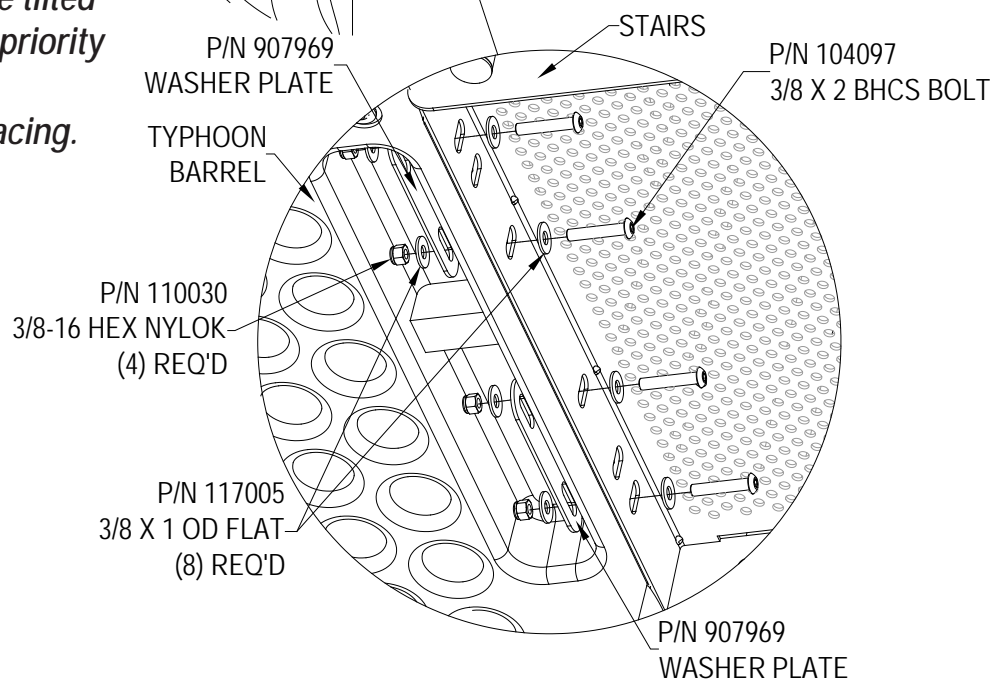
STEP 11 ATTACH HANDRAILS AND STEP ASSY TO BARREL

11a. Lift Slide Assembly into position, setting center pole and front leg into footings. Place barrel against top of step assembly and insert handrails into barrel.



11b. Attach steps to barrel as shown. Attach handrail to barrel as shown.

Note: Position Barrel and Handrail so that upright nearest Barrel is parallel to side of Barrel. Even if Slide or Handrail must be tilted slightly off plumb, priority must be given to Barrel/Handrail spacing.



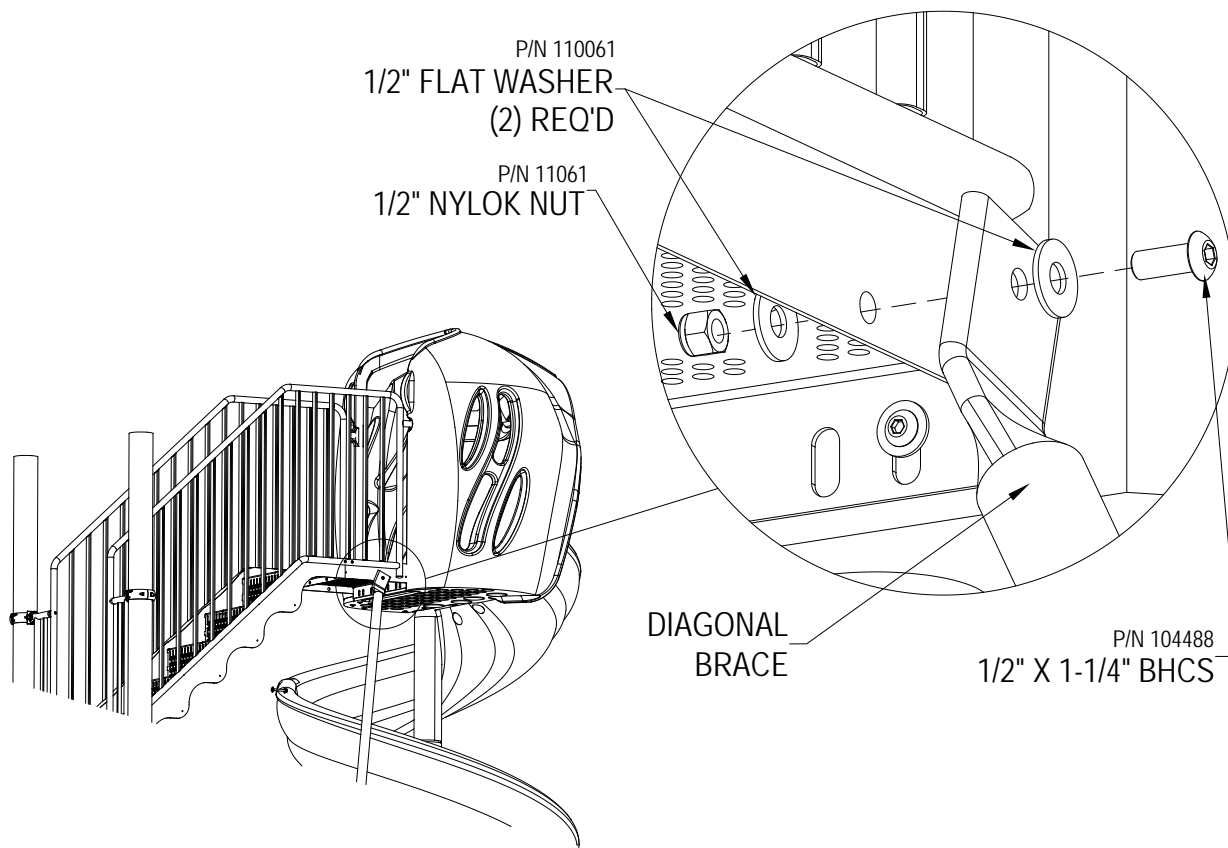
Kids' Choice® - Mira-Therm II

Typhoon Slides w/Domed Wave Hood

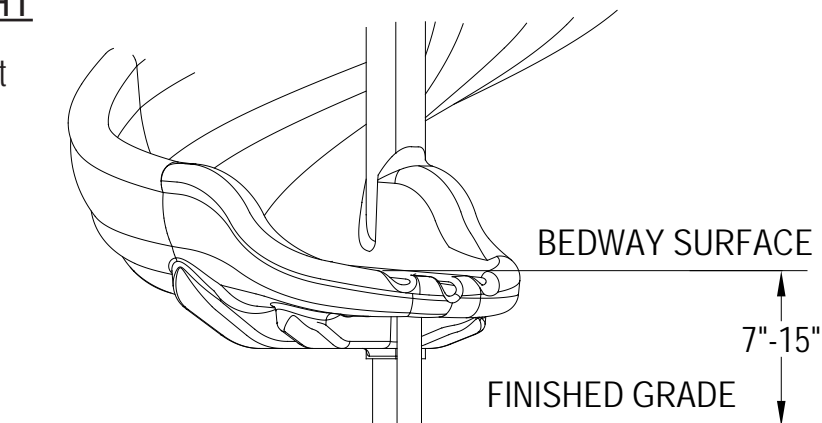
with 9'-4" & 12' platforms from 5', 6', 6'-6", 8' and 10' Decks

STEP 12 ATTACH BRACE TO STEP

12a. Insert diagonal brace into footing and attach to step as shown.

**STEP 13 SET EXIT HEIGHT**

13a. Set height of slide bedway exit as noted. Plumb and brace front leg in footing. Verify that slide exit will drain water.

**FINAL STEP**Plumb and level entire assembly. Proceed with *Final Assembly installation*.**NOTE:** When pouring concrete for the center pole footing, do **NOT** cover the joint in the center Pole with concrete.



MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

September 27, 2007

Rev. C

Kids' Choice Crunch Station

Deck system or Post not included in this assembly.

714-782

Crunch Station



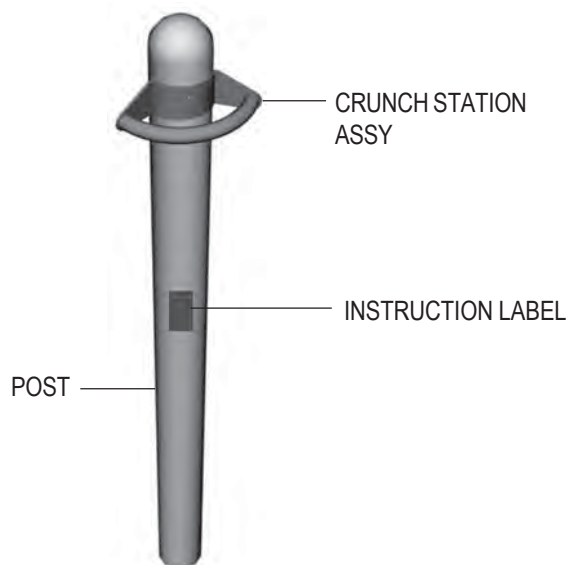
Note: Top View and Footing Layout not shown. Model mounts vertically to installed Deck Post.

Crunch Station

714-782

Kids' Choice Crunch Station

PARTS IDENTIFICATION



ORDER OF ASSEMBLY (RECOMMENDED)

1. Deck system or Post (separate assemblies)
2. Crunch Station to Post
3. Instruction Label to Post
4. Final Assembly

TOOLS AND EQUIPMENT (REQUIRED)

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Tape measure and level
2. Open end wrench set; allen & 6 lobe wrenches; socket set; screwdrivers
3. Drill motor; bits; taps; extension cords; power supply
4. Adult installer

**STEP 1**

Read *Safety Brochure 100, Important Notes* and other supplementary materials. Unpack, count and become familiar with system components and hardware.

STEP 2

Install Deck system or Post in Footings per separate instructions. Level, plumb and brace in position.

Note: Do not pour concrete for Footings until all components in system have been installed per instructions, leveled, plumbed and braced in position.

STEP 3

Place Crunch Station assembly against Post as shown in illustration on Page 1. Orientate assembly in desired direction. Measure and hold Crunch Station against Post so that rung is set 50" to 80" from Finished Grade.

STEP 4

Attach Crunch Station assembly to Post and secure using three (3) 1/4" x 1-1/4" Tek screws.

STEP 5

Remove dust, oil or grime from Post surface and verify that it is dry. Apply Instruction Label to Post plumb and level (below Crunch Station), using firm pressure over entire label to ensure proper adhesion with no wrinkles, bubbles or tears.

FINAL STEP

Proceed with *Final Assembly*.



MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

July 18, 2006

Rev. A

Kids' Choice®
Bell, Post Mount

714-796-P1

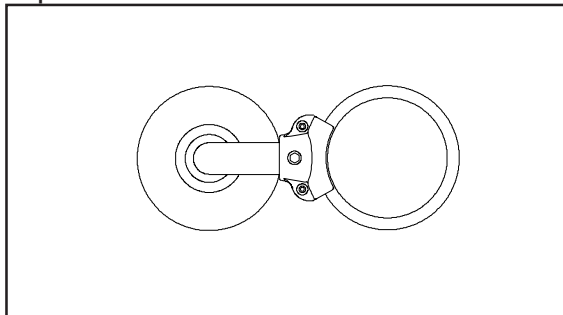
Bell, Post Mount

Post not included in assembly

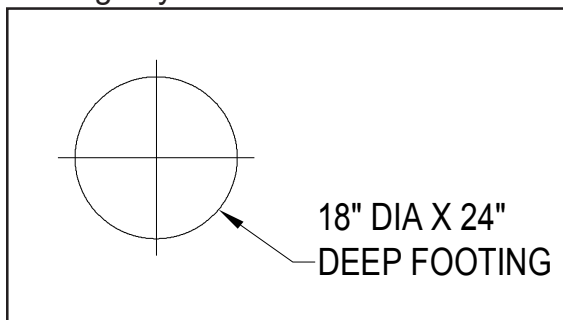


Post not included in this assembly

Top View



Footing Layout



Bell, Post Mount

714-796-P1



MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

July 18, 2006

Kids' Choice®
Bell, Post Mount

Rev. A

Bell, Post Mount

STEP 1 PREPARE FOR INSTALLATION

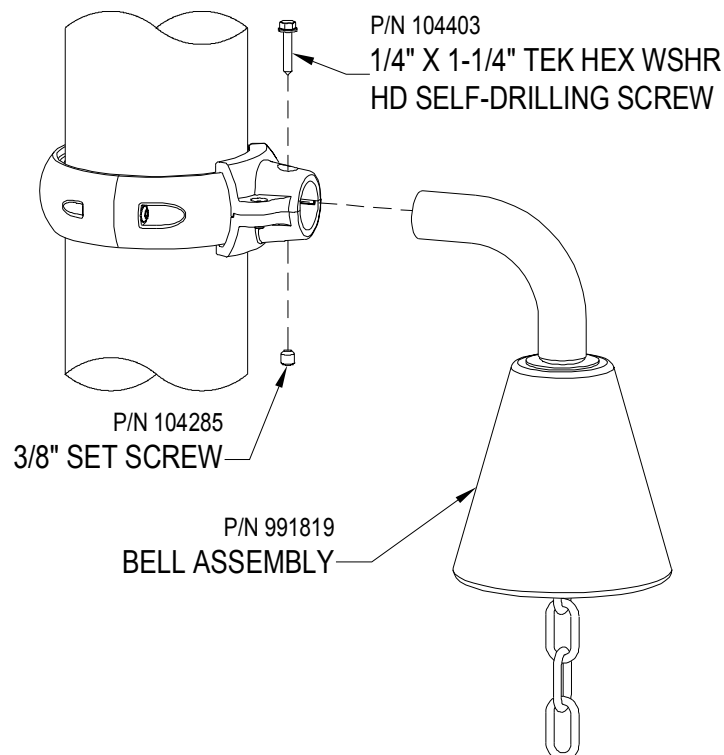
Read *Safety Brochure 100, Important Notes*, these instructions, and other materials. Unpack, count and become familiar with system components and hardware.

STEP 2 ATTACH CLAMP RING AND BAR SOCKET TO POST

Refer to *Versalok Fastening System* installation guide located behind *Installations 101* in your Installation Manual.

STEP 3 AFFIX BELL TO BAR SOCKET

Attach Bell Assembly to Bar Socket as shown.



FINAL STEP

Proceed with *Final Assembly* instructions.

714-796-P1



Miracle *Installation Guide*

December 3, 2015

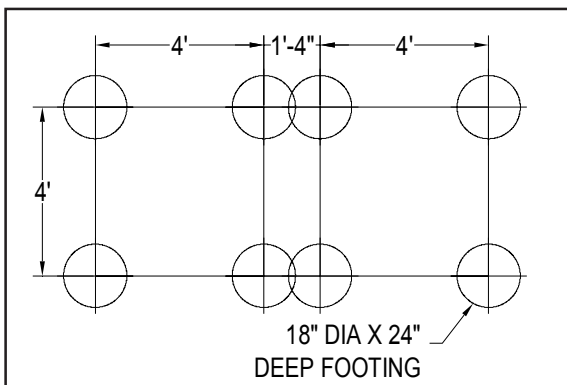
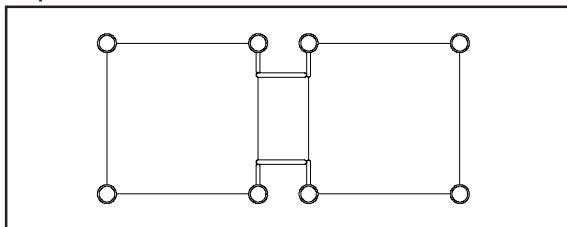
Rev. J

Kids' Choice® - Mira-Therm II

ADA Stairs Between Decks - 1', 2', 2'-6" & 1'-6" Rise

Deck systems not included in these assemblies.

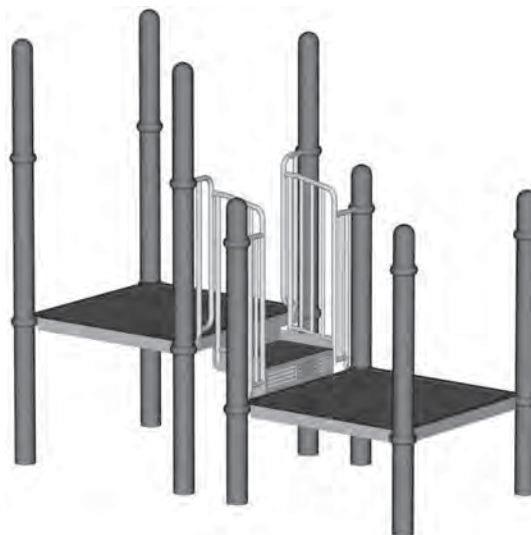
Top View



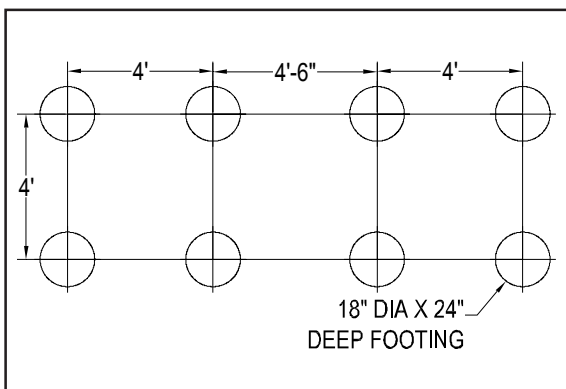
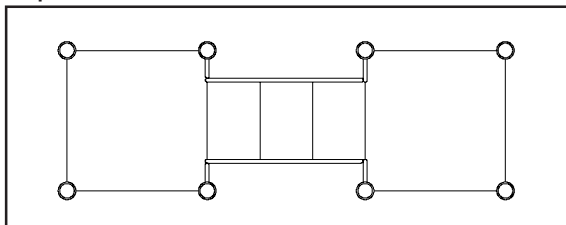
Footing Layout

714-810-9

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



Top View



Footing Layout

714-959-9

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

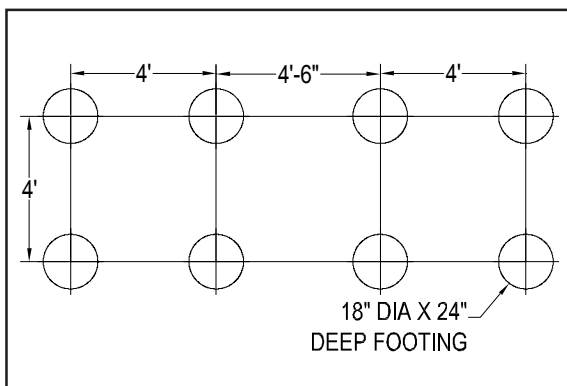
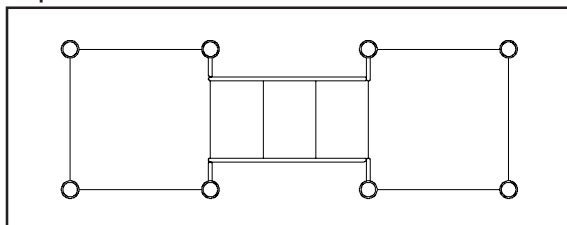


ADA Stairs Between Decks

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

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

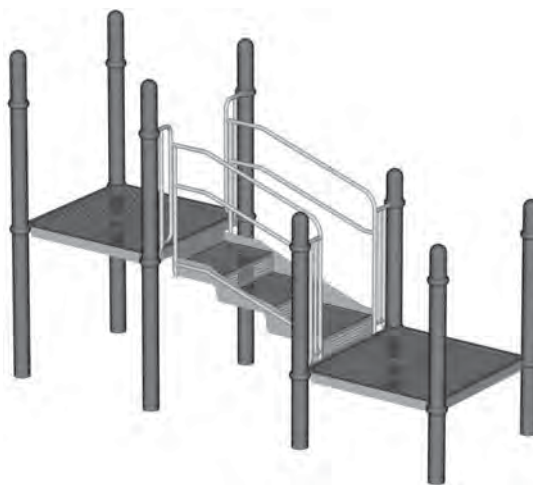
Top View



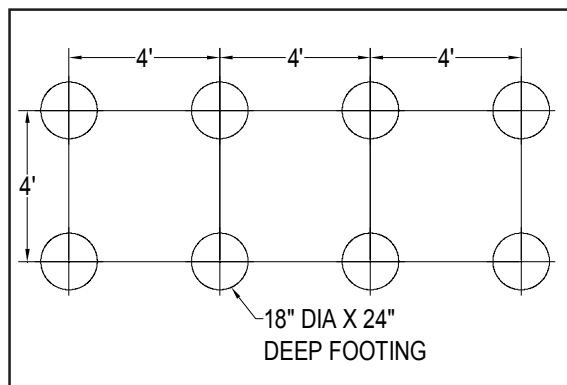
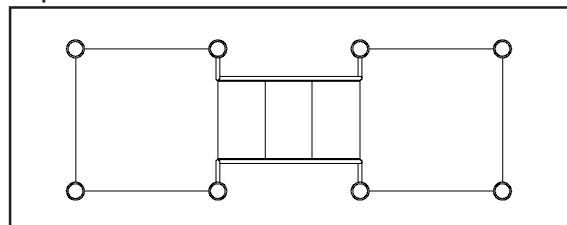
Footing Layout

714-959-59

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



Top View



Footing Layout

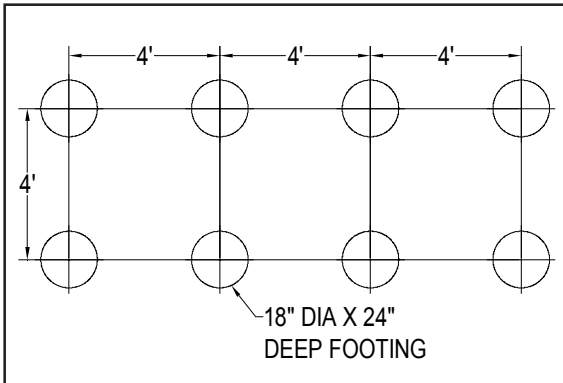
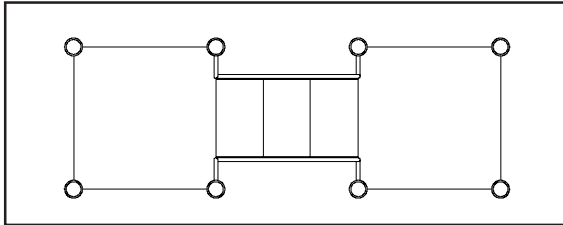
714-959-49

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



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

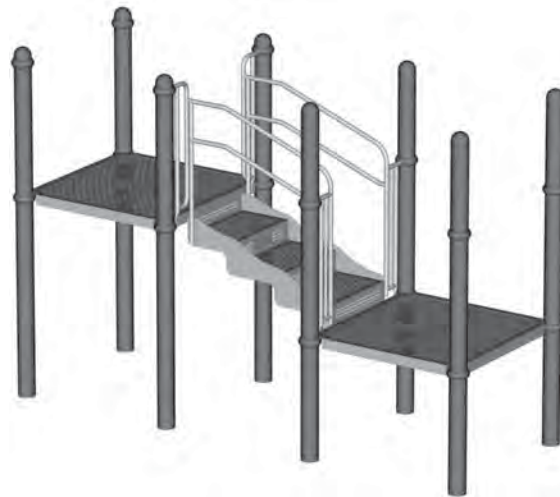
Top View



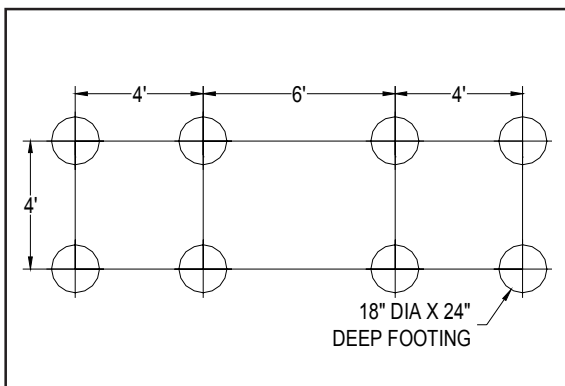
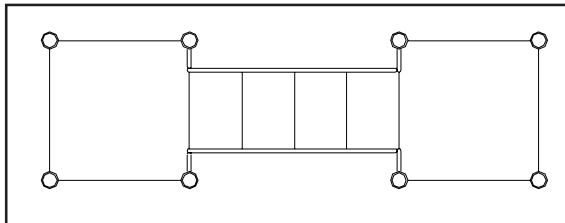
Footing Layout

714-959-459

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



Top View



Footing Layout

714-960-9

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

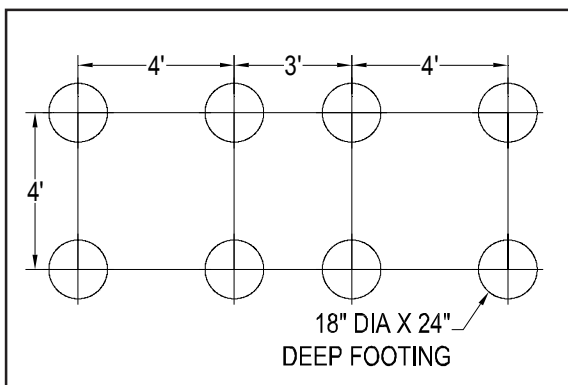
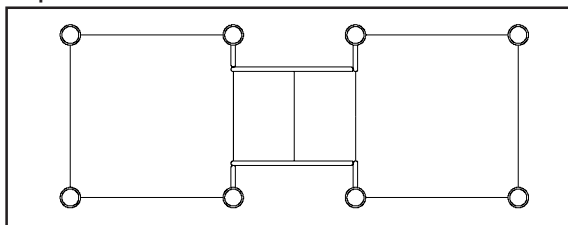


ADA Stairs Between Decks

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

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

Top View



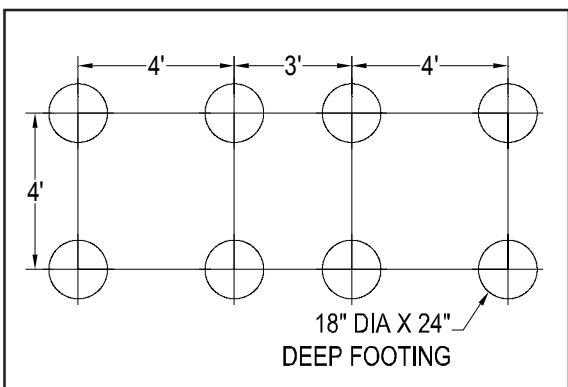
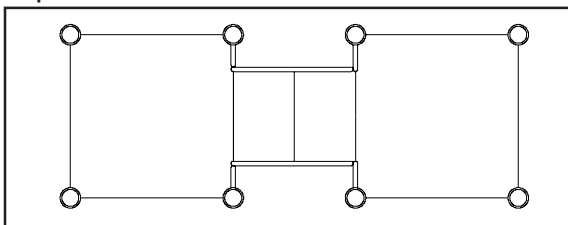
Footing Layout

714-993-9

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



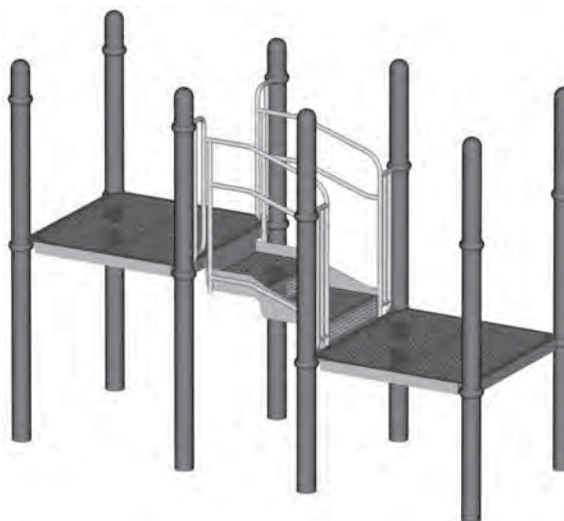
Top View



Footing Layout

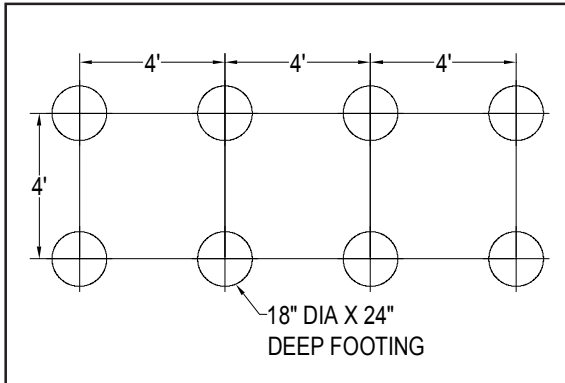
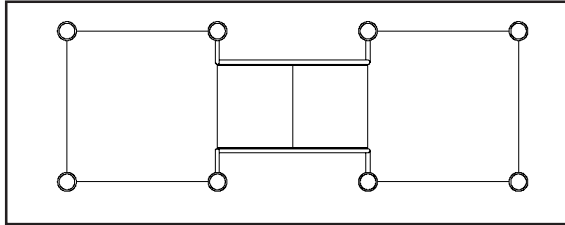
714-993-59

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



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

Top View



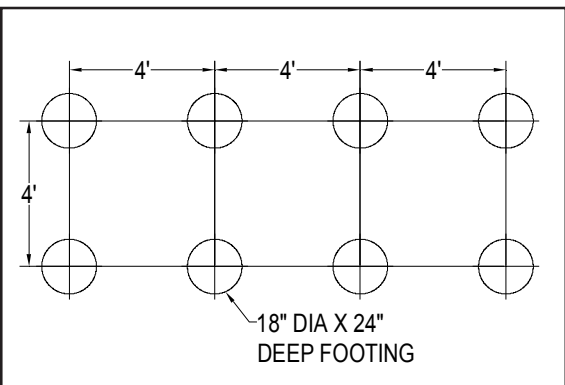
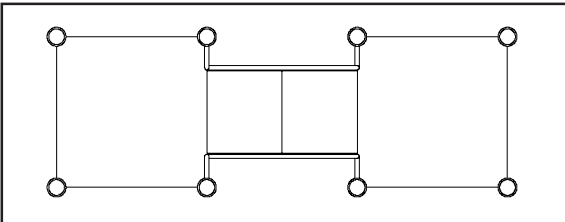
Footing Layout

714-993-49

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



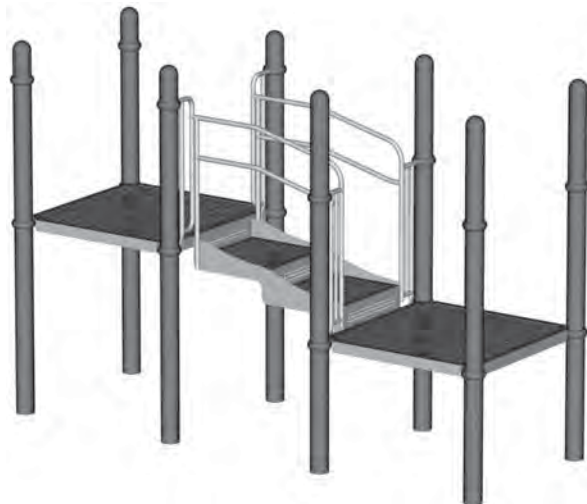
Top View



Footing Layout

714-993-459

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

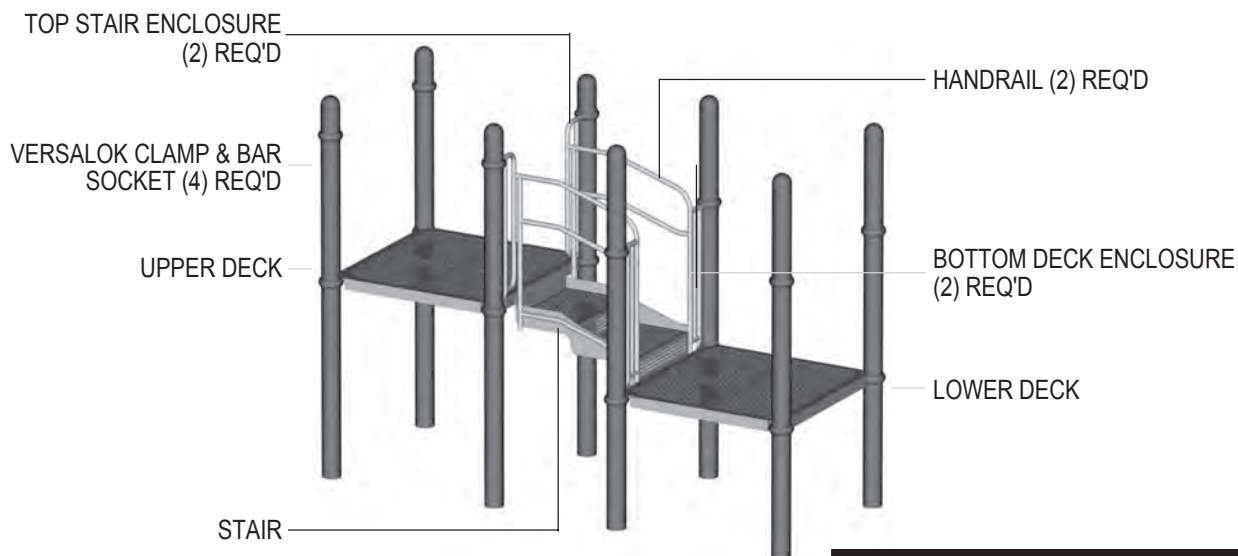


ADA Stairs Between Decks

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

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

PARTS IDENTIFICATION



Model # 714-993-59 shown

RECOMMENDED ASSEMBLY SEQUENCE

1. Deck systems (per separate instructions)
2. Clamps with Bar Sockets loosely to Posts
3. Stair to upper and lower Decks
4. Enclosures to upper and lower Decks and to Posts
5. Handrails to Deck Enclosures
6. Handrails to Stair
7. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Drill, bits, extension cords, power supply
4. Step ladder
5. Adult installers - 2 minimum

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

STEP 1

Read *Safety Brochure 100, Important Notes*, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2

Install Deck systems per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings, or permanently secure Clamps to Posts with self-drilling screws, until all components in playsystem have been installed per instructions and braced in position level and plumb.

STEP 3

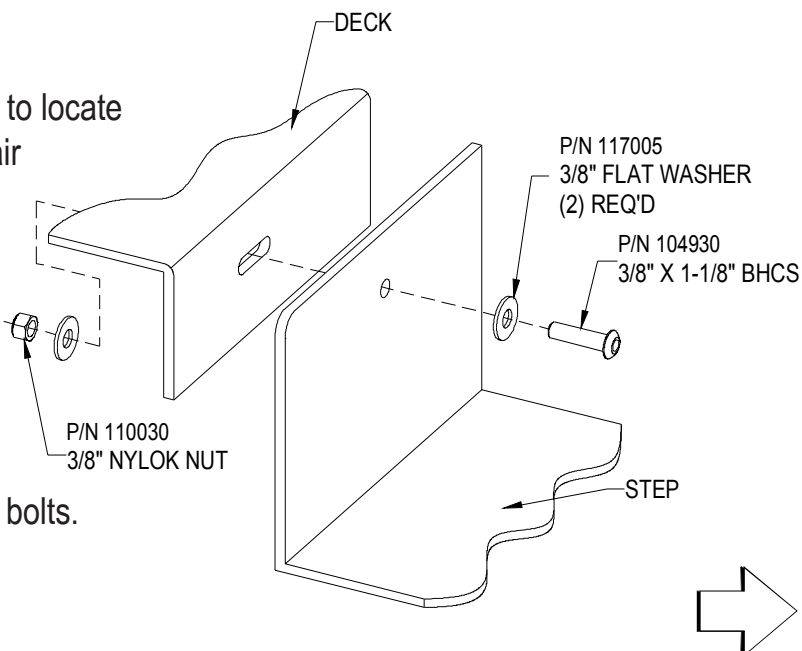
Refer to *Versalok Fastening System installation*.

Loosely assemble Clamp Ring halves around Posts so that bottom edge of each Clamp is 37-3/8" from top edge of Deck-supporting Clamp. Assemble Bar Sockets to each Clamp Ring and orient toward center of Deck face.

STEP 4

Measure (or position assemblies) to locate and mark mating bolt holes of Stair and upper and lower Deck assemblies (four locations in each.) Use drill to ream excess PVC from only those bolt holes.

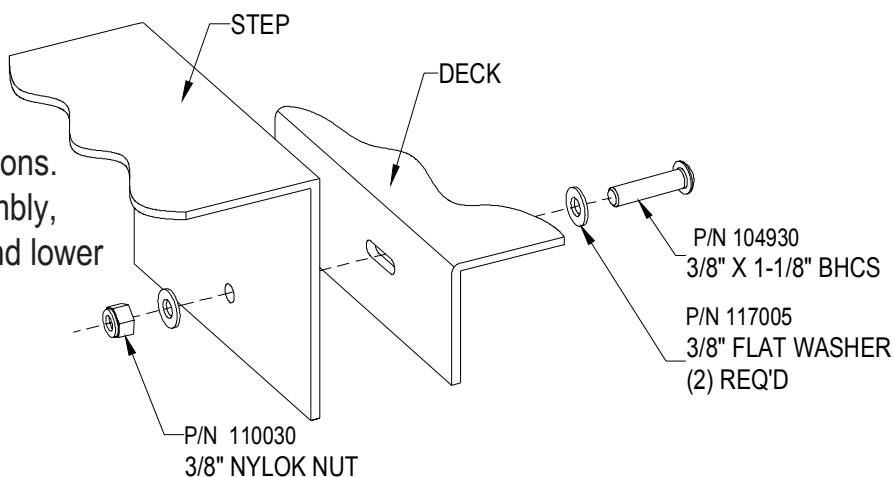
Place Stair between Decks and fasten Stair to upper Deck as shown. Do not yet fully tighten bolts.



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

STEP 5

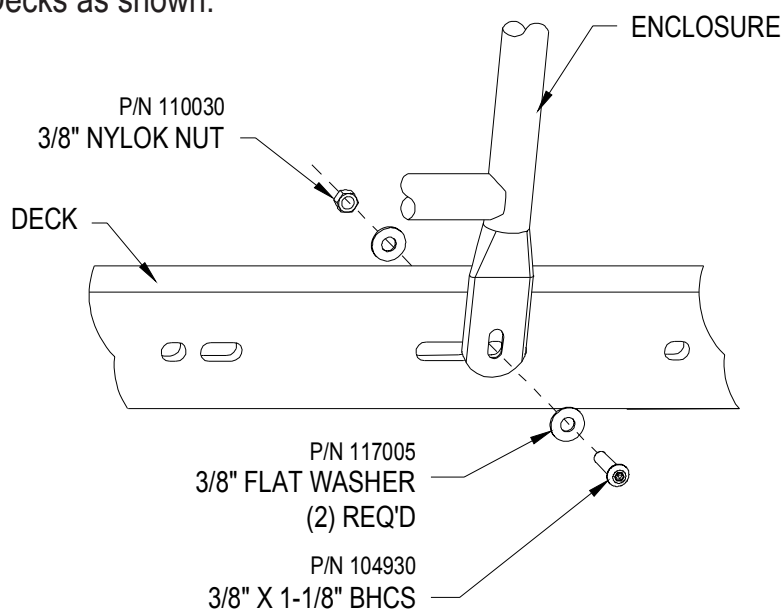
Fasten Stair to lower Deck as shown in four locations. Plumb and level Stair Assembly, and tighten bolts in upper and lower Decks.



STEP 6

Position Enclosures against upper and lower Decks on either side of attached Stair. Use drill to ream excess PVC from bolt holes in Decks.

Refer to *Versalok Fastening System installation*. Insert top rail of Enclosures into Bar Sockets, and align holes at mashed bottom of upright with mating holes in Decks. Attach Enclosures to Decks as shown.

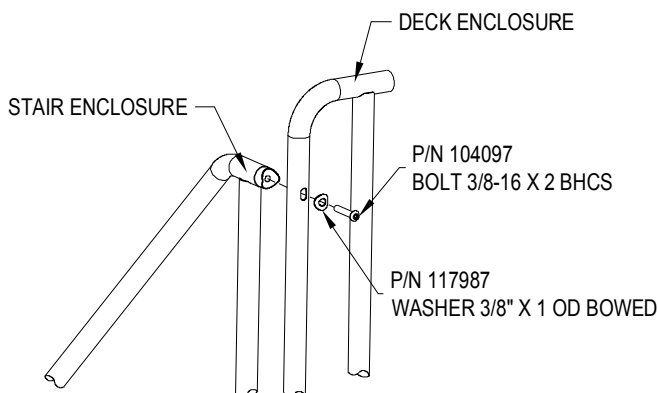


Plumb and level Enclosures and secure top rails in Bar Sockets with set screws. Tighten Clamp Rings around Posts.

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

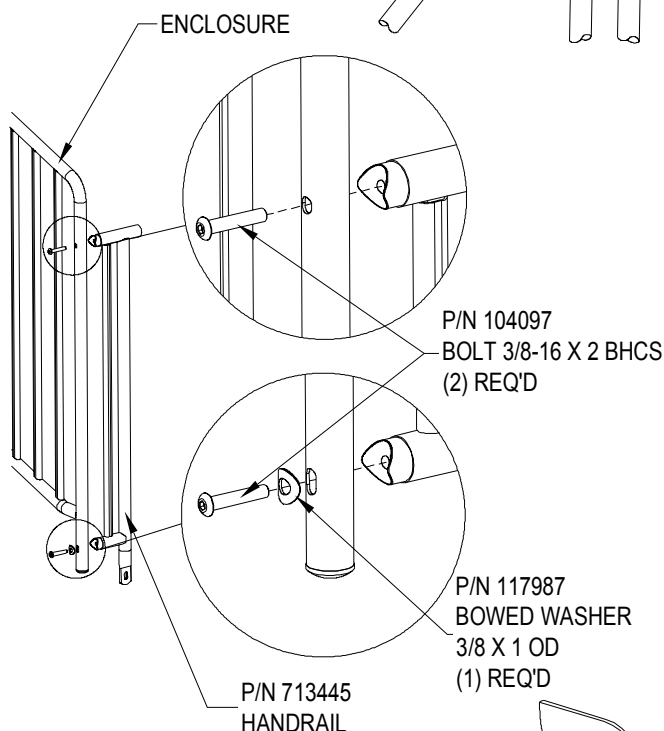
STEP 7

Align Stair Enclosure's top rail (containing factory-installed threaded insert) with pre-drilled hole in Deck Enclosure and secure as shown.



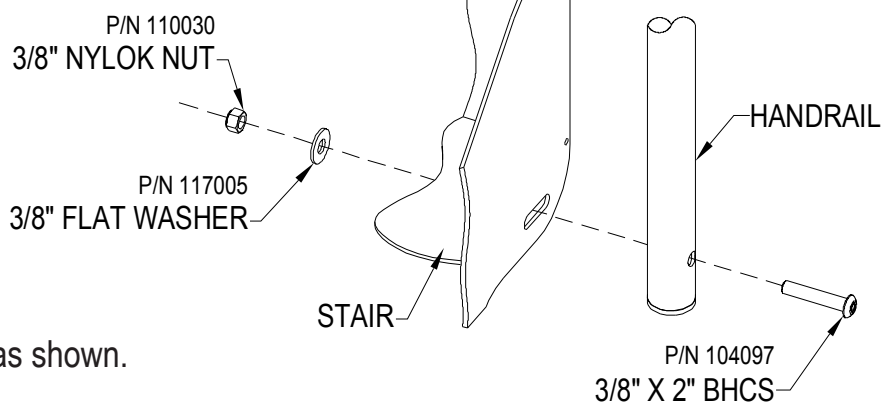
STEP 8

Affix Handrails to Bottom Deck Enclosures on each side of Stair. Each Handrail attaches to each Enclosure at two (2) locations.



STEP 9

Align holes in bottom of each Handrail's top end uprights with holes in Stair Assembly. Use drill to ream excess PVC from mating bolt holes in Stair.



Secure Handrails to Stair as shown.

FINAL STEP

Proceed with *Final Assembly installation*.



Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-811	Handhold for Transfer Deck (1' or 1'-6" Deck)	2
714-816	Wall Enclosure	2
714-816R	Wall Enclosure Recycled Plastic	2
714-816-1	Wire Mesh Enclosure	2
714-816-45	Wall Enclosure, Wide Side of 511 TRI-DK	3
714-817	Treehouse Wall w/Seat	3
714-900	Wall Enclosure w/Steering Wheel	3

Note:

- *An (*) by a part number (CODE) indicate: Color Code Required.*
- *Deck systems are not included in these assemblies.*
- *Top views and footing layouts are not shown, models mount vertically to the deck system.*

TOOLS AND EQUIPMENT REQUIRED

Refer to "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches, socket set, screwdrivers
3. Step ladder
4. Drill, bits, extension cord(s), power supply
5. Adult installers - 2 minimum

Kids' Choice®

Handhold for Transfer Deck, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

714-811

Handhold for Transfer Deck
(1' or 1'-6" Deck)



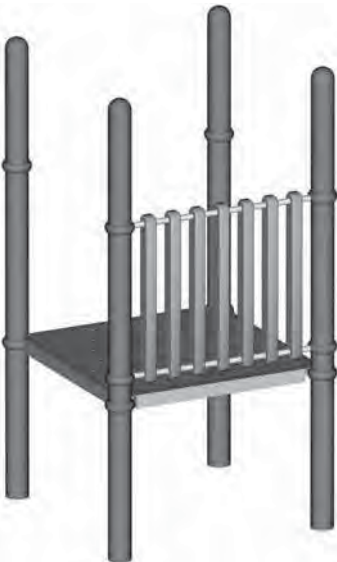
714-816

Wall Enclosure



714-816R

Wall Enclosure Recycled Plastic



714-816-1

Wire Mesh Enclosure



Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel



STEP 1 INSTALL DECK SYSTEM

1a. Install deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings or permanently secure clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.

STEP 2 LOOSELY ASSEMBLE CLAMPS TO POSTS

2a. Refer to *Versalok Fastening System* installation.

2b. Loosely assemble clamp rings around posts so that bottom edge of each is **37-3/8"** from top edge of deck-supporting clamps. Loosely assemble bar sockets on clamp rings.

2c. For Model **714-816-45**, **40-3/8"** from top edge of deck-supporting clamps. For Model **714-817**, **53-1/2"** from top edge of deck-supporting clamps. For Model 714-816R, a second set of clamps should be set so that bottom edge of each clamp is **5"** from top edge of deck-supporting clamps.

Kids' Choice®

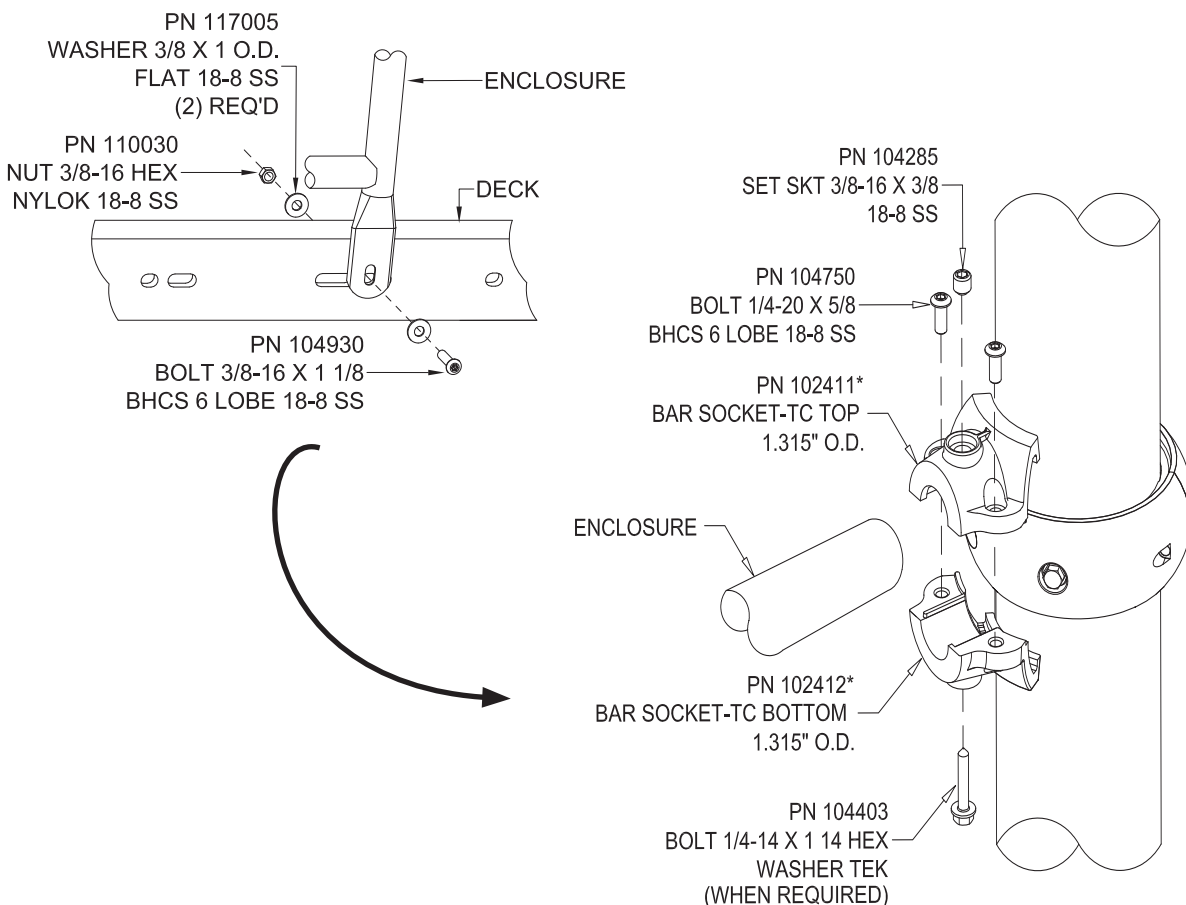
Handhold for Transfer Deck, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel**STEP 3 ATTACH ENCLOSURE TO DECK AND BAR SOCKETS**

3a. Align mating bolt holes in enclosure to the deck; use a drill to remove excess PVC from only those holes in the deck. **Except** for model 714-816R.

3b. Place the enclosure's top rail ends into the bar sockets on the clamps; align the mating bolt holes in the enclosure to the deck and secure.

Safety Note: Ensure that clamps remain at positions noted in Step 2 to maintain proper clearance space!

Note: When installing Model 714-900, ensure that the welded bracket, to which the steering wheel is attached, is oriented correctly, in most cases, facing inward toward the deck. Reposition upper clamps, as needed, and secure the enclosure in bar sockets with set screws in top half and TEK screws in bottom half (when required).

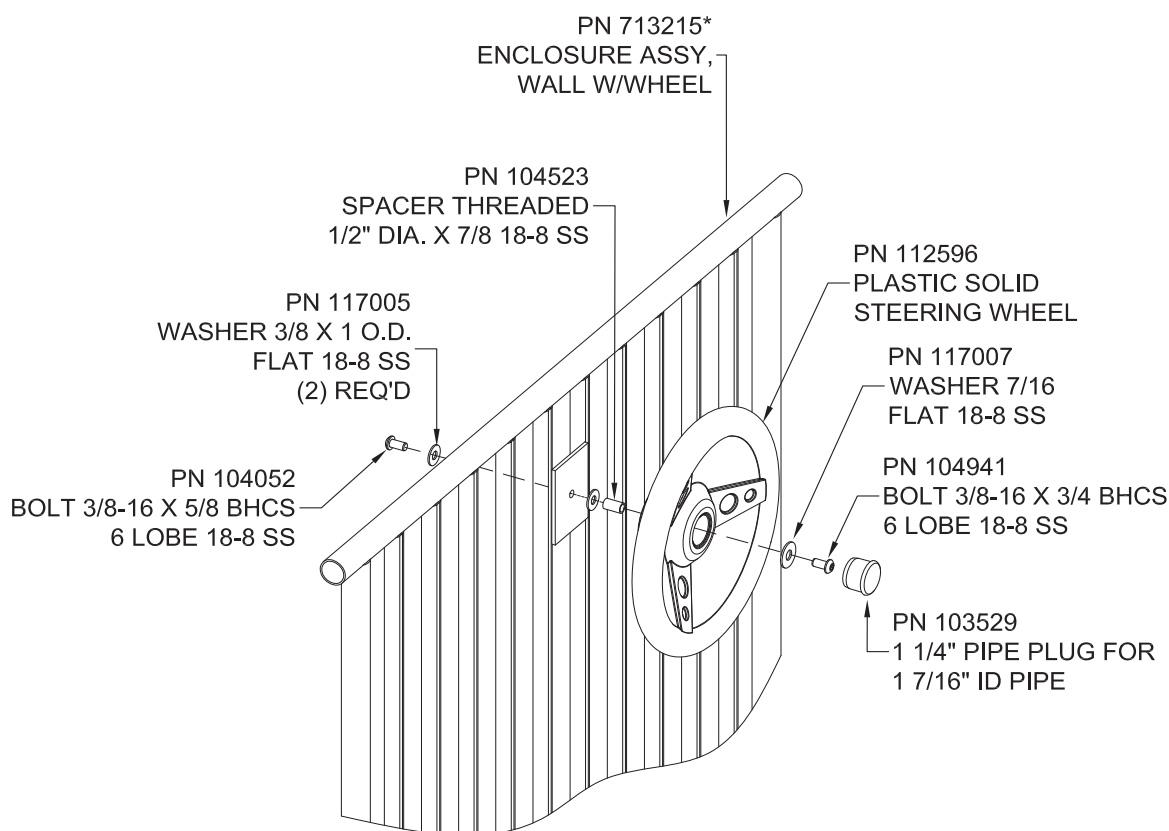


Kids' Choice®

Handhold for Transfer Point, Wall Enclosures, Recycled Plastic Enclosure, Wire Mesh Enclosure, Treehouse Wall and Enclosure Wall w/Steering Wheel

STEP 4 ATTACH STEERING WHEEL, IF APPLICABLE

- 4a. For Model 714-900, first attach the bolt, spacer and washers to the enclosure plate, as shown, on the "left" side of the enclosure.
- 4b. Attach the steering wheel, as shown, on the "right" side of the enclosure; tap the pipe plug firmly into place. Tighten **ALL** hardware.



FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Kids' Choice®

Deck Enclosures

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.

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>PAGE #</u>
714-813-1	One-Sided Deck Enclosure	2
714-813-5	Deck Enclosure	2
714-813-5R1	Nature Deck Enclosure	2

NOTE: Deck Systems, Posts and Overhead Climber are NOT included in these assemblies. Please refer to Construction Drawings for the model particular to your system.

714-813-1

One-Sided Deck Enclosure



714-813-5

Deck Enclosure



714-813-5R1

Nature Deck Enclosure



Top View and Footing Layout not shown. These components mount vertically on Deck systems.

TOOLS AND EQUIPMENT REQUIRED

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches, socket set, screwdrivers
3. Step ladder
4. Drill, bits, extension cord(s), power supply
5. Adult installers - 2 minimum

Kids' Choice®

Deck Enclosures

STEP 1 INSTALL DECK PER SEPARATE INSTRUCTIONS

Install Deck system per separate instructions. Plumb, level, and brace in position.

STEP 2 ATTACH CLAMP RINGS TO POSTS

Refer to *Versalok Fastening System installation* located behind *Installations 101* in Installation Manual.

Loosely affix a Bar Socket with 1-1/16" diameter hole (1-5/16" diameter hole for One-Sided Enclosure) to each set of Clamp Ring halves. Loosely attach Clamp Rings around Posts so that bottom edge of each is 37-1/2" from top edge of Deck-supporting Clamp. It is acceptable to approximate position of Clamps until Deck Enclosure is completely installed.

STEP 3 DRILL EXCESS COATING FROM DECK BOLT HOLES

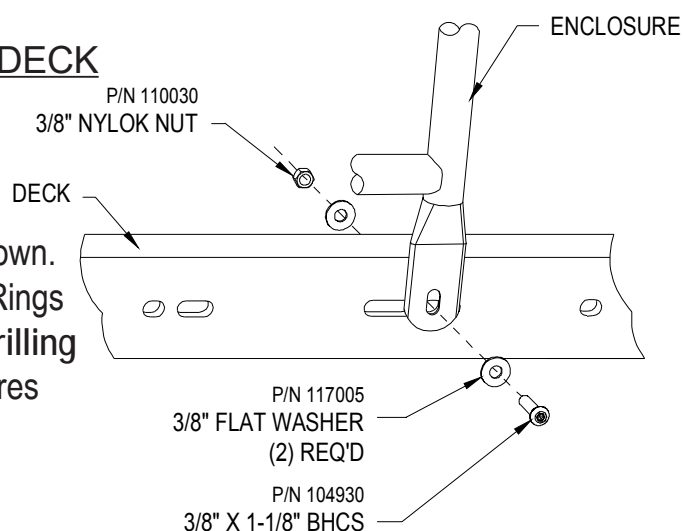
Refer to *Versalok Fastening System installation*.

Lift Deck Enclosures and tighten top rail ends in Bar Sockets, aligning holes in mashed ends of plumb uprights with bolting holes in Deck face. Use drill to ream excess coating from only those holes in Deck.

STEP 4 AFFIX ENCLOSURE TO DECK

Refer to *Versalok Fastening System installation*.

Attach Deck Enclosures to Deck face as shown. Tighten Bar Socket on Clamps and Clamp Rings around Posts. Install a 1/4" x 1-1/4" self-drilling screw (P/N 104403), into the Deck Enclosures through non-threaded hole in Bar Sockets.



FINAL STEP Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.



Installation Guide

Kids' Choice®

Vertical Ladder for 5' & 3' Decks,

-Out Ladder

6'-6" & 8' Decks

Deck system included in these assemblies.

714-815

714-815-3

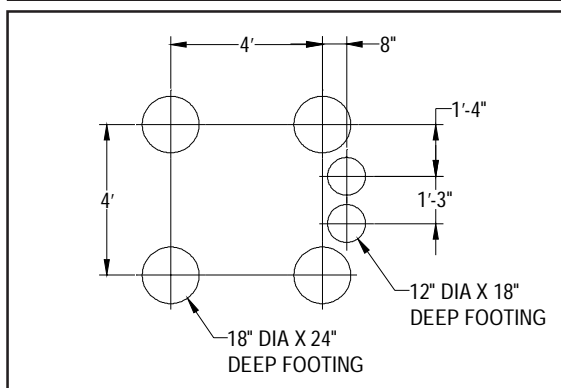
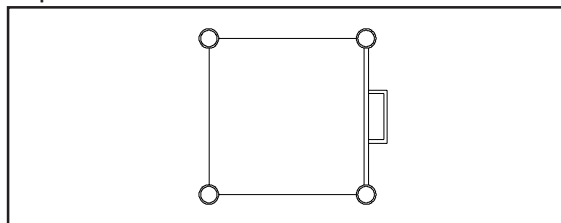
714-815-6

714-815-8

Vertical ladder from 5' Deck



Top View



Footing Layout

714-815

714-815-3

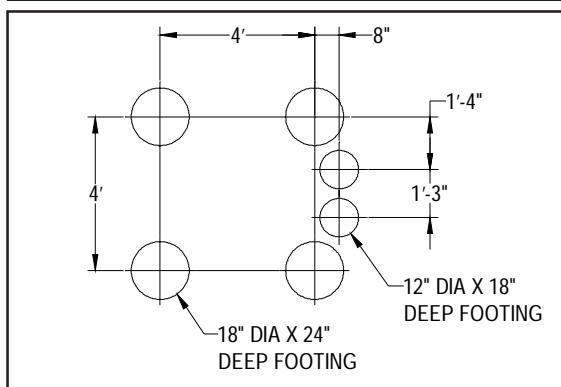
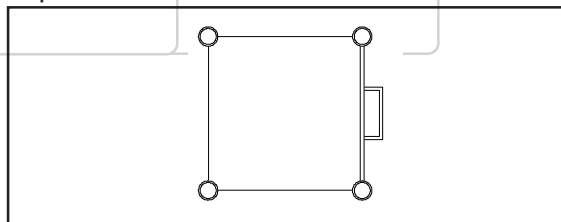
714-815-6

714-815-8

Vertical ladder from 3' Deck



Top View



Footing Layout

Vertical Ladders & Look-Out Ladders

714-815, 714-815-3, 714-815-6, 714-815-8

Kids' Choice®

Vertical Ladder for 5' & 3' Decks,

-Out Ladder

6'-6" & 8' Decks

714-815

714-815-3

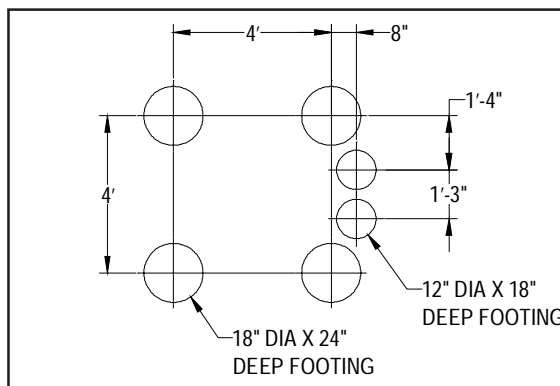
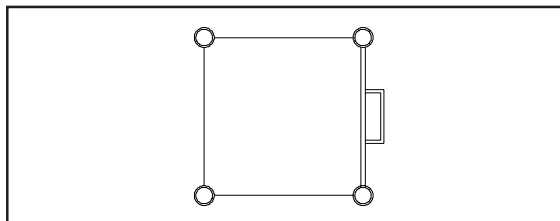
714-815-6

714-815-8

Look-Out Ladder from 6'-6" Deck



op View



Footing Layout

714-815

714-815-3

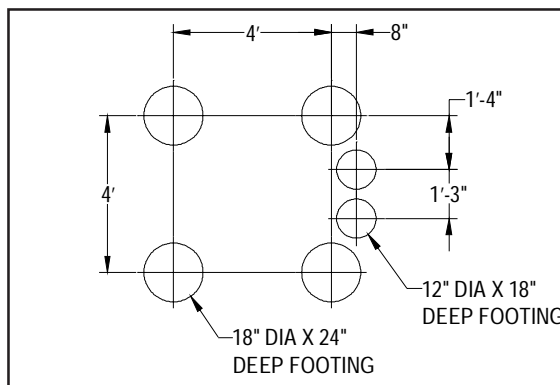
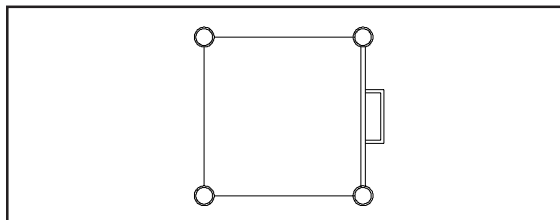
714-815-6

714-815-8

Look-Out Ladder from 8' Deck



op View



Footing Layout



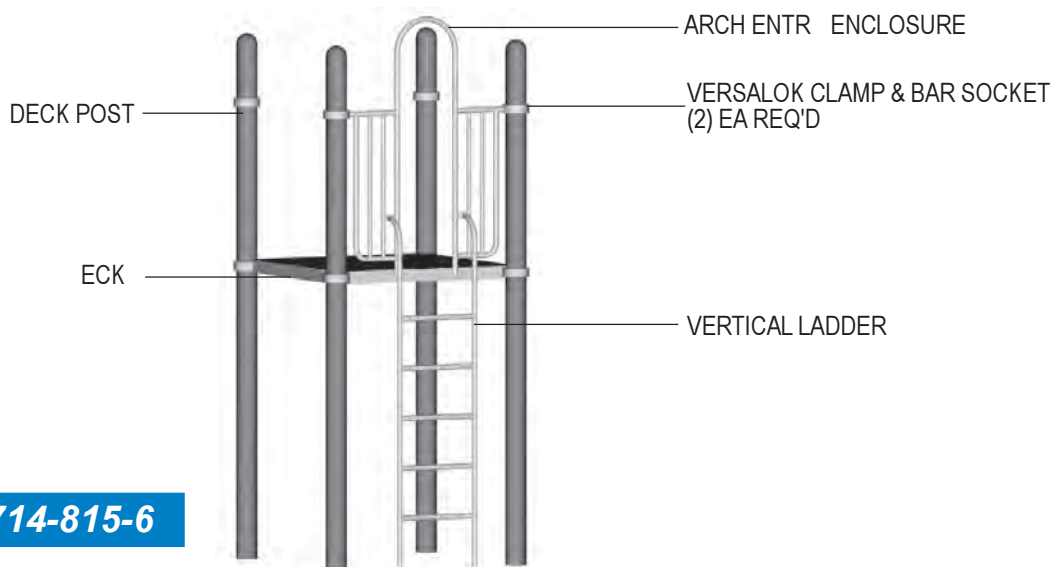
Kids' Choice®

Vertical Ladder for 5' & 3' Decks,

-Out Ladder

6'-6" & 8' Decks

PARTS IDENTIFICATION


Model # 714-815-6

RECOMMENDED ASSEMBLY SEQUENCE

1. Deck system (per separate instructions)
2. Footings
3. Bar Sockets loosely to Clamps; Clamps loosely to Posts
4. Enclosure to Posts and to Deck
5. Climber side rails into Footings; Climber to Enclosure
6. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for Footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for Footings (spade shovel, post hole digger, auger)
3. Bracing Materials (2x4s, wood pieces, jackstands, sawhorses, concrete blocks, bricks, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Saw or grinder (to adjust length of Climber side rails, if needed)
8. Step ladder
9. Adult installers - 2 minimum

Kids' Choice®

Vertical Ladder for 5' & 3' Decks, **-Out Ladder** 6'-6" & 8' Decks**STEP 1**

Read **Safety Brochure 100, Important Notes**, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2

Install Deck system per separate instructions. Plumb, level, and brace in position.

STEP 3

Dig Footings per *Footing Layout* or Construction Drawings. Refer to **Footing Details** installation.

Note: Do not pour concrete for Footings or permanently Secure Clamps to Posts with Bf-drilling B screws until all components in System have been installed per instructions and braced in position level and plumb.

STEP 4

Refer to **Versalok Fastening System** installation.

Loosely assemble Clamp Rings around Posts so that bottom edge of each Clamp is **37-3/8"** from top edge of Deck-supporting Clamp. Loosely assemble Bar Sockets to Clamp Rings.

Position Enclosure against Deck to locate mating holes. Use drill to remove excess PVC from only those holes in Deck.

Assemble Enclosure top rails in Bar Sockets on Clamps.

Note: Welded brackets on Enclosure must be located outside (away from Deck.)



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Vertical Ladder for 5' & 3' Decks,

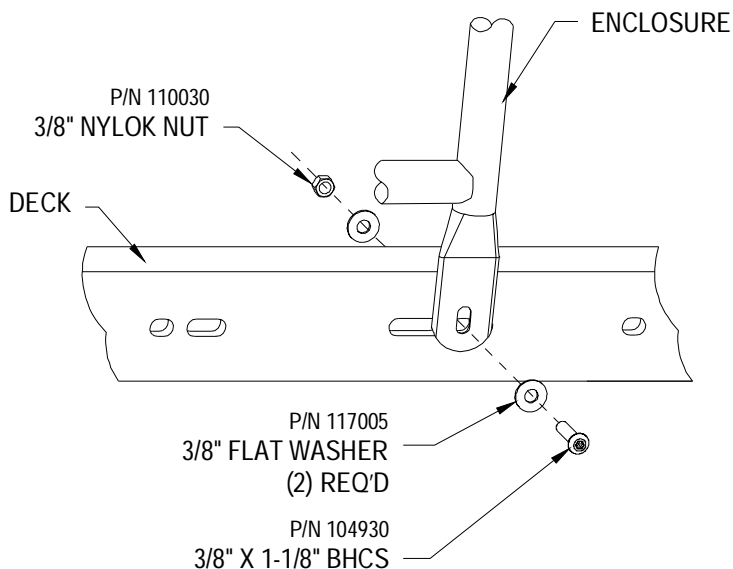
-Out Ladder

6'-6" & 8' Decks

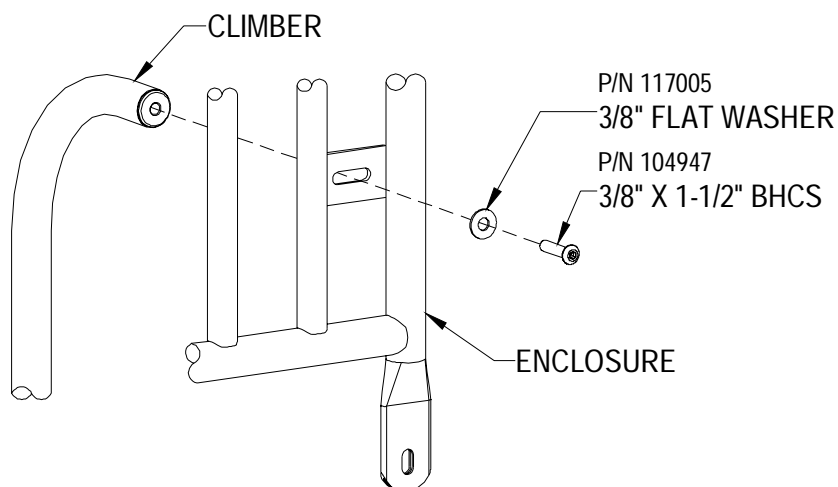
STEP 5

Note: Welded brackets on Enclosure must be located outside (away from Deck.)

Secure Enclosure braces to Deck as shown.


STEP 6

Place Climber legs into Footings. Attach Climber rails to Enclosure's welded brackets.


FINAL STEP

Proceed with **Final Assembly** installation.



Installation Guide

Nov. 14, 2001 Rev. B

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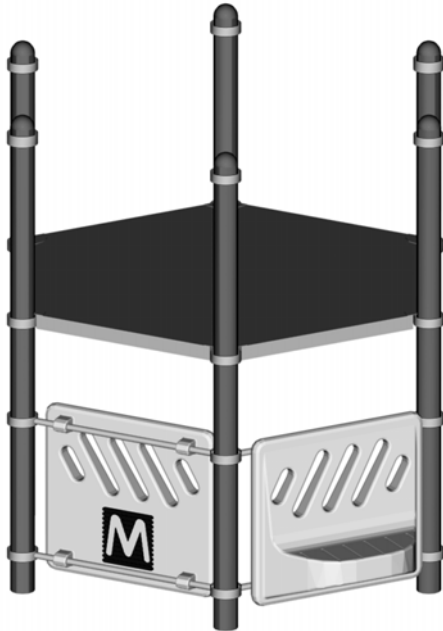
Kids' Choice®

Rockite **Bench Panel** - Freestanding or Below Deck

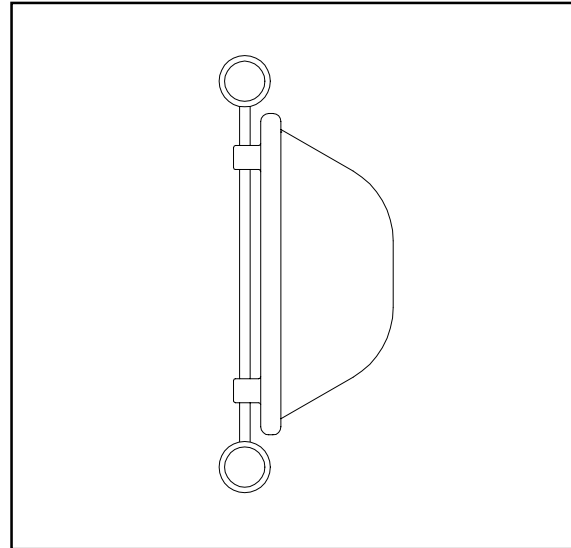
Deck system or Posts not included in this assembly.

714-817-2B

Bench Panel



Top View



Refer to Footing Layout illustrations on page 2.

Footing Layout

Bench Panel

714-817-2B

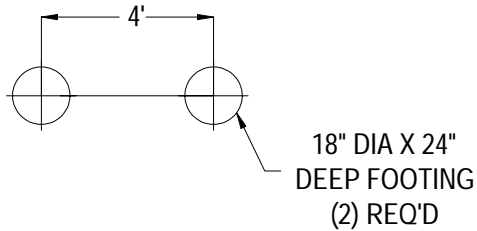
Kids' Choice®

Rockite **Bench Panel** - Freestanding or Below Deck

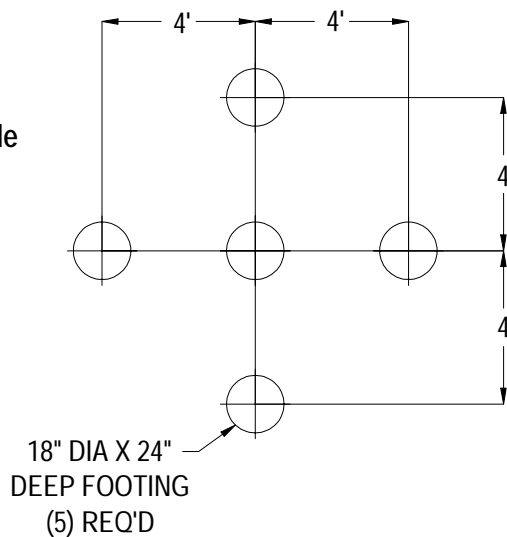
Bench Panel

FOOTING LAYOUTS

Freestanding or Below
Deck (one unit)



Sample of Clustered
Arrangement (multiple
units)



RECOMMENDED ASSEMBLY SEQUENCE

1. Deck system or Posts (per separate instructions)
2. Bar Sockets and Clamps loosely to Posts
3. Rungs to Panel
4. Rungs to Posts via Clamps
5. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see "Suggested Tools & Equipment" (Doc. # D75002) in "Installations 101"

1. Tape measure and level
2. Open end wrench set; Allen and 6-lobe wrenches or bits; socket set; screwdrivers
3. Drill motor; drill bits; extension cords; power supply
4. Mallet
5. Adult installers - 2 minimum

714-817-2B



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RECREATION EQUIPMENT COMPANY

Kids' Choice®

Rockite **Bench Panel** - Freestanding or Below Deck

Nov. 14, 2001 Rev. B

STEP 1

Read **Safety Brochure 100, Important Notes**, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

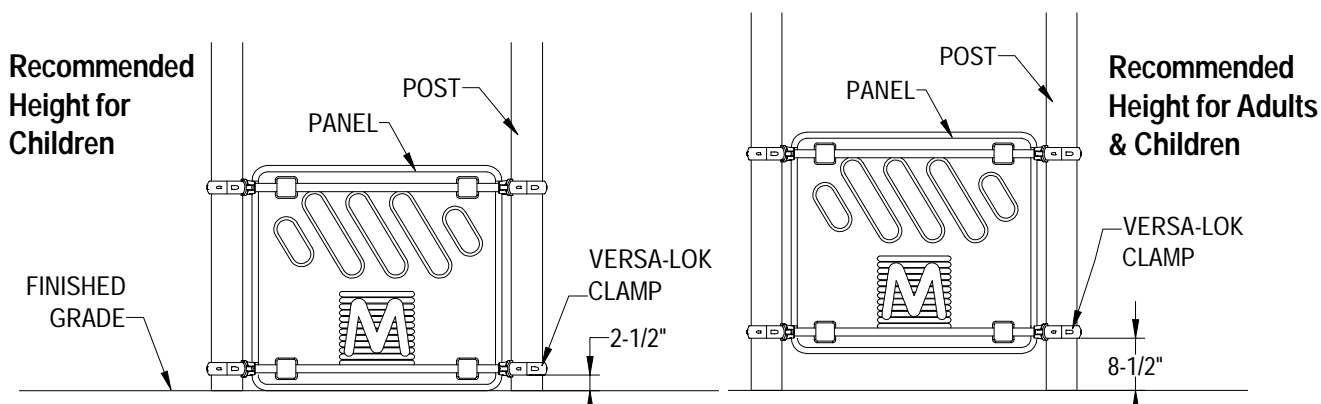
STEP 2

Install Deck system or Posts per separate instructions. Plumb, level, and brace in position.

Note: Do not pour concrete for Footings, or permanently secure Clamps to Posts with self-drilling screws, until all components in playsystem have been fully installed and braced in position level and plumb.

STEP 3

Refer to **Versalok Fastening System installation**. Attach bottom set of Versalok Clamps loosely on Posts at desired height from Finished Grade based on intended usage. Installers should defer to **Safety Note** when locating Panel beneath Deck.



Safety Note: If installing Panel beneath Deck, vertical clearance space between Panel Assembly and lowest point of Deck must be either (A) between 1" and 3", or (B) a minimum of 10".

Note that, if applicable, Seat may face "in" (beneath Deck system) or "out" (away from Deck.) This determination should be made during play-area planning process. Seats facing in must allow adequate room beneath Deck for users to utilize equipment as intended.

Loosely assemble top set of Clamps at approximate position. Assemble Bar Sockets loosely to each Clamp Ring and orient toward center.

Bench Panel

714-817-2B

Kids' Choice®

Rockite **Bench Panel** - Freestanding or Below Deck

STEP 4

Use mallet to tap Rungs into Panel, leaving equal amounts of Rung exposed on each end.

STEP 5

Refer to *Versalok Fastening System installation*. Insert ends of Rungs in Bar Sockets on top and bottom sets of Clamps, repositioning Clamps as needed.

Make certain Panel is centered between Posts. If Panel is installed beneath Deck, verify that condition of *Safety Note (Step 3, page 3)* has been satisfied.

Level Panel Assembly. Tighten Rungs in Bar Sockets with set screws, and tighten Clamp Rings around Posts.

STEP 6

Center Panel Assembly on Rungs between Posts. Install two (2) **1/4" x 1-1/4" self-drilling screws** at recessed areas of Panel flanges into bottom Rung to fix position of Panel.

FINAL STEP

Refer to *Final Assembly installation*.

Kids' Choice®

Scale-N-Slide - Slide

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.**



714-825-8S

Scale-N-Slide - Slide

Note: Deck system not included in this assembly.

TOOLS AND EQUIPMENT REQUIRED

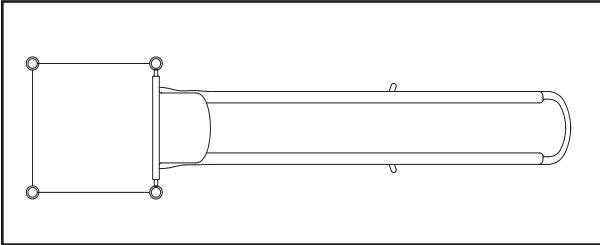
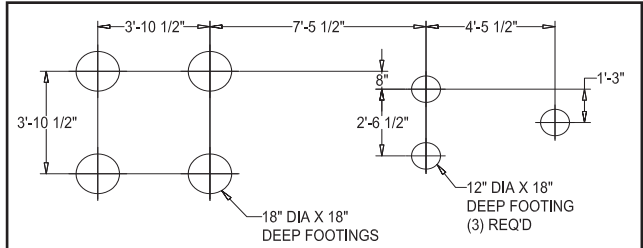
Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4's, wood pieces, bricks, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladder
8. Adult installers - 2 minimum

Scale-N-Slide - Slide

714-825-8S

Kids' Choice®

Scale-N-Slide - Slide**Top View****Footing Layout****STEP 1** INSTALL DECK PER SEPARATE INSTRUCTIONS

- 1a. Install deck system per separate instructions. Plumb, level, and brace in position.

STEP 2 DIG FOOTINGS

- 2a. Dig Footing per *Footing Layout*, Construction Drawings and ***Footing Details*** installation located behind *Installations 101* in Installation Manual.

Note: Do not pour concrete for footings, or permanently secure clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position, level and plumb.

STEP 3 ASSEMBLE CLAMPS AND BAR SOCKETS TO POSTS

- 3a. Refer to ***Versalok Fastening System*** installation located behind *Installations 101* in Installation Manual.
- 3b. Loosely assemble clamp rings around posts so that bottom edge of each clamp is **37-3/8"** from top edge of deck-supporting clamp. Loosely assemble bar sockets to clamps and orientate toward center of deck face.

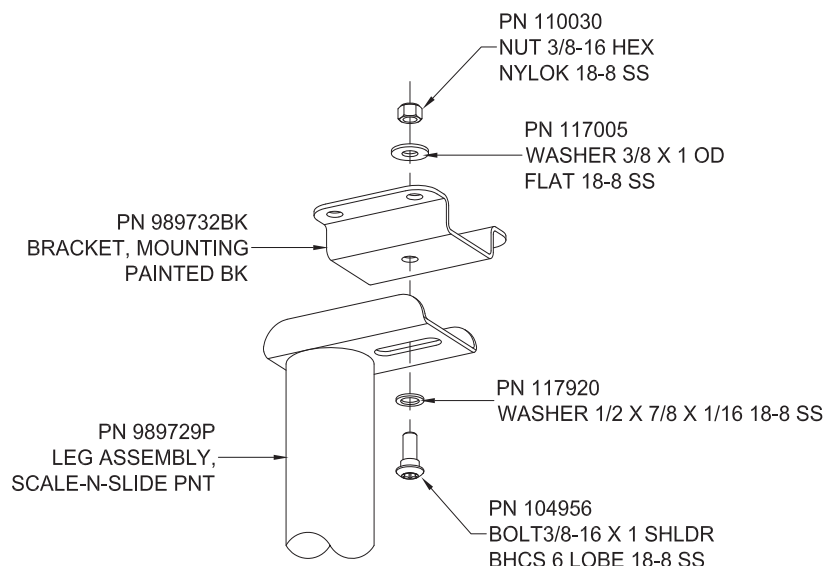
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Kids' Choice®

Scale-N-Slide - Slide

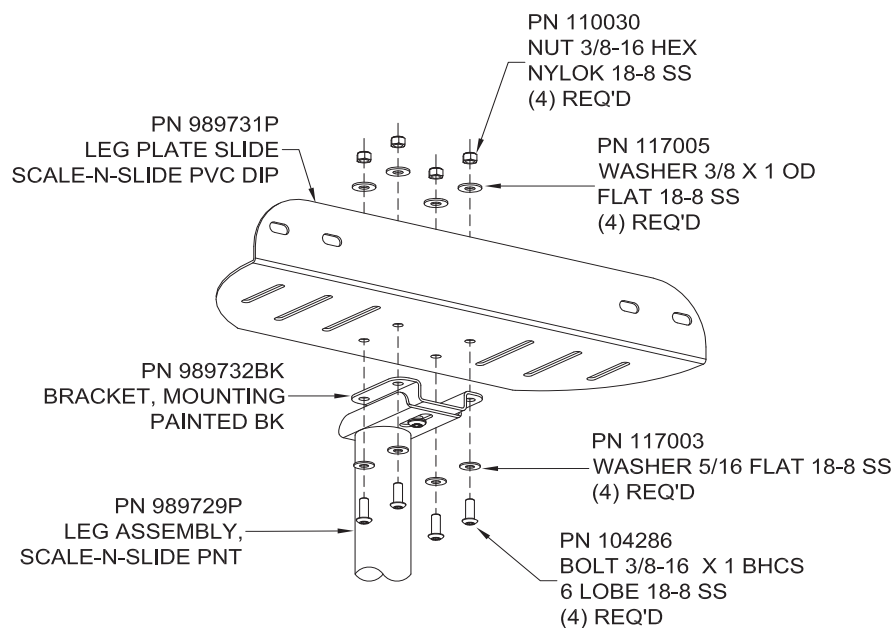
STEP 4 FASTEN MOUNTING BRACKET TO FRONT LEG

4a. Fasten mounting bracket to front leg as shown.



STEP 5 ATTACH FRONT LEG TO LEG PLATE

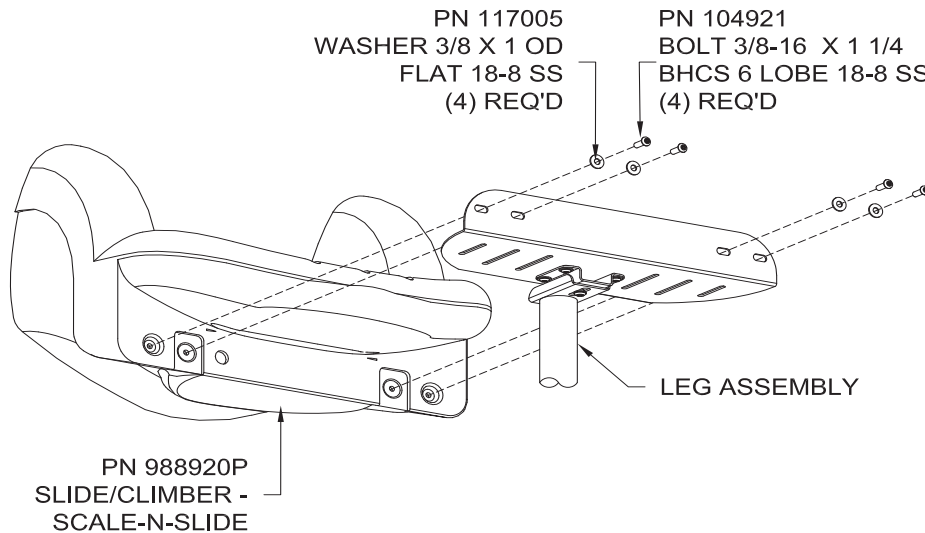
5a. Attach front leg's mounting bracket to leg plate as shown.



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Scale-N-Slide - Slide**STEP 6 SECURE LEG ASSEMBLY TO SLIDE**

- 6a. Secure front leg assembly to bottom of slide exit section as shown. Tap threaded holes in slide end if necessary.

**STEP 7 SECURE ENTRY PANEL RUNG ENDS TO BAR SOCKETS**

- 7a. Tap rung (PN 713110P) through holes at top of entry panel until equal amounts of rung are exposed on each end.
- 7b. Place rung ends in bar sockets on clamps, aligning six (6) holes in panel bottom (see *step 8 illustration*) with bolting holes in deck face. Use drill to remove excess PVC from only those holes in deck.
- 7c. Plumb and level entry panel assembly; tighten rung ends in bar sockets with set screws; bar sockets to clamps, and clamp rings around posts.

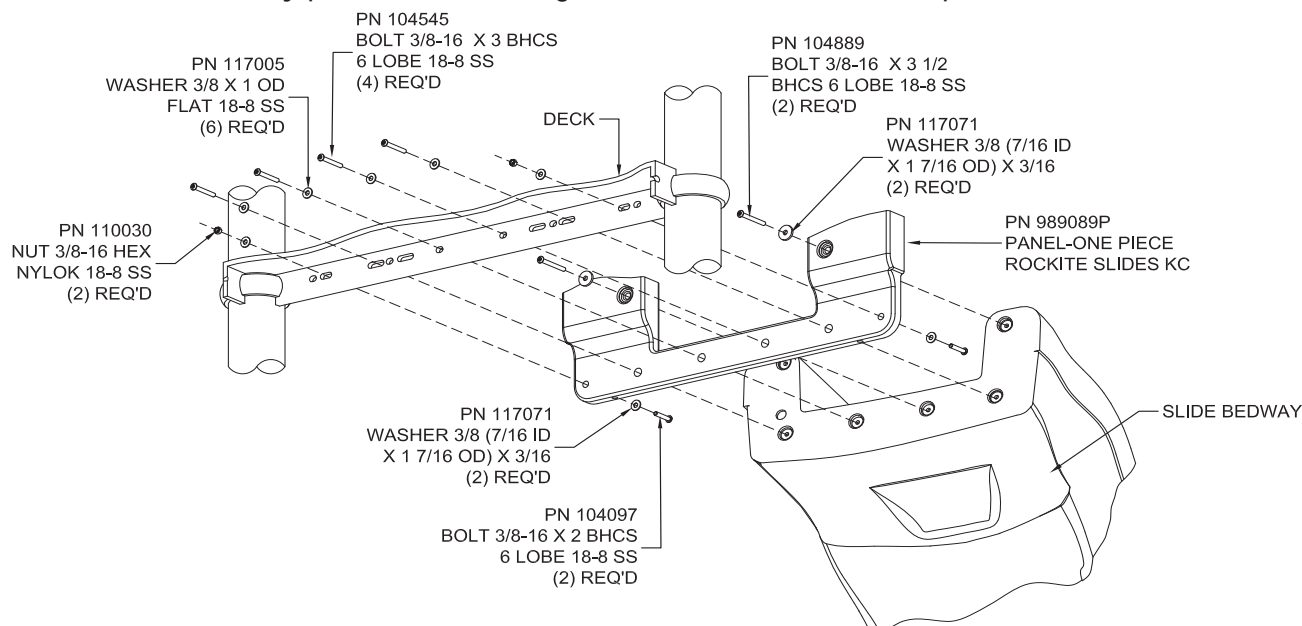
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Kids' Choice®

Scale-N-Slide - Slide

STEP 8 AFFIX ENTRY PANEL TO DECK

8a. Attach entry panel to deck using two (2) outermost holes at panel bottom as shown.



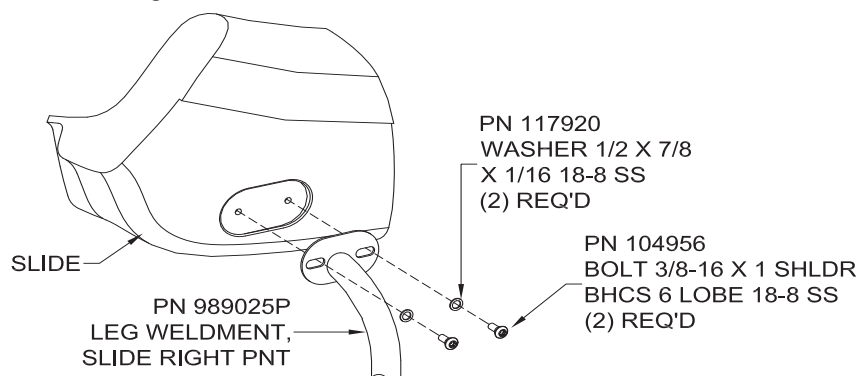
STEP 9 FASTEN PANEL TO SLIDE

9a. Refer to *step 8 illustration* above. Tap holes in slide end if needed. Position slide against entry panel, with front leg in footing hole.

9b. Fasten panel to slide's side rails using two (2) upper holes in panel as shown. Bolt through deck and panel into slide using four (4) center holes in panel bottom as shown.

STEP 10 FASTEN LEGS TO SLIDE

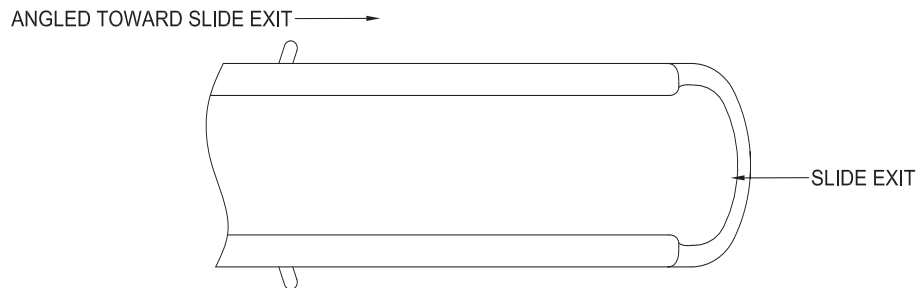
10a. Set right leg and left leg into footings and place tabs into recesses on slide assembly sides. Fasten legs to slide as shown.



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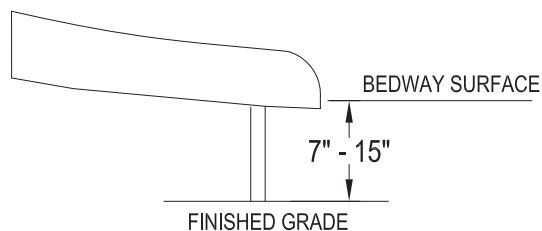
Scale-N-Slide - Slide**STEP 10** FASTEN LEGS TO SLIDE cont.

10b. Verify legs are properly installed by making sure the legs are angled toward the slide exit as shown.

**STEP 11** SET BEDWAY HEIGHT

11a. Set height of slide bedway exit between 7" and 15" from finished grade. Ensure that slide assembly retains enough incline to allow water drainage.

DECKS GREATER THAN OR EQUAL TO 4'

**FINAL STEP**

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.



MIRACLE
RECREATION EQUIPMENT COMPANY

Installation Guide

March 20, 2006

Rev. D

Kids' Choice®

Full Enclosure w/ Seat, Lean Out Enclosure & Full Enclosure

Deck system and Roof not included in these assemblies.

714-830-1 and 714-830-6

Full Enclosure Wall with Seat



714-830-12

Lean Out Enclosure



Note: Illustrations show each model attached to a Square Deck for clarity. Primary usage is as full barrier on 14' level of Mega Tower® 3-Level Deck.

Top Views and Footing Layouts not shown. These models mount vertically on Deck systems.

714-830-1 and 714-830-6

Full Enclosure Wall

714-830-12



Note: Illustration shows model attached to a Square Deck for clarity. Primary usage is as full barrier on 14' level of Mega Tower® 3-Level Deck.

Top View and Footing Layout not shown. This model mounts vertically on a Deck system.

Full Enclosures & Lean Out Enclosure

714-830-1, 714-830-6, 714-830-12

Kids' Choice®

Full Enclosure w/ Seat, Lean Out Enclosure & Full Enclosure**PARTS IDENTIFICATION****RECOMMENDED ASSEMBLY SEQUENCE**

1. Deck system and Roof (per separate instructions)
2. Clamps with Bar Sockets loosely to Posts
3. Enclosure to Deck and to Posts (via Clamps)
4. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Drill, bits, extension cords, power supply
4. Step ladder
5. Adult installers - 2 minimum



Kids' Choice®

Full Enclosure w/ Seat, Lean Out Enclosure & Full Enclosure

March 20, 2006

Rev. D

STEP 1 PREPARE FOR INSTALLATION

Read **Safety Brochure 100, Important Notes**, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2 INSTALL DECK & ROOF

Install Deck system and Roof per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings, or permanently secure Clamps to Posts with self-drilling screws, until all components in system have been installed per instructions and braced in position level and plumb.

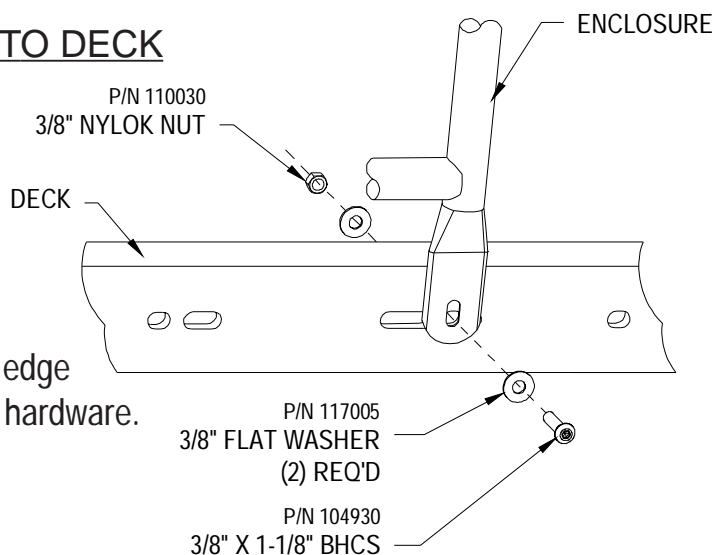
STEP 3 AFFIX CLAMPS TO POSTS

Refer to **Versalok Fastening System installation**. Loosely assemble Clamp Rings around Posts in approximate locations. Loosely assemble Bar Sockets on Clamps. Do not yet permanently affix with self-drilling screws.

STEP 4 FASTEN ENCLOSURE TO DECK

Position Enclosure against Deck, or measure, to identify mating bolt holes in Deck edge. Use drill to ream excess PVC from only those holes in Deck.

Replace Enclosure against Deck and bolt through slots in mashed upright ends and edge of Deck as shown. Do not yet fully tighten hardware.



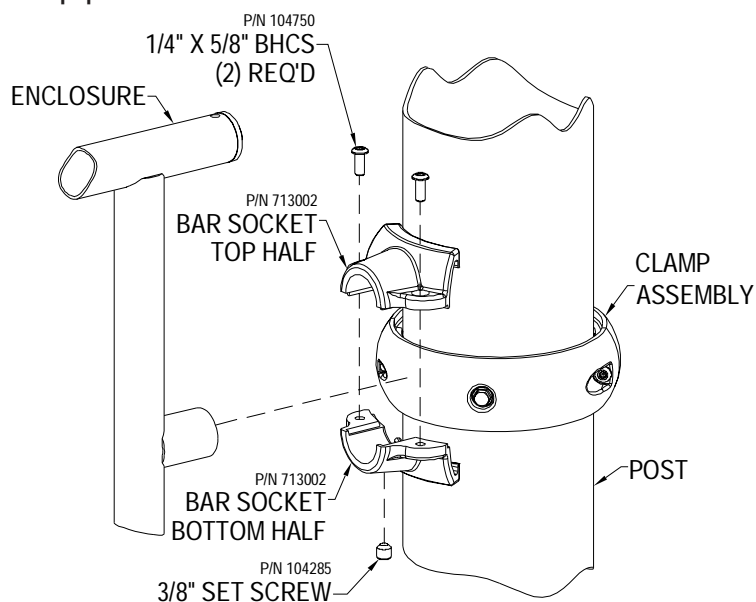
Full Enclosures & Lean Out Enclosure

714-830-1, 714-830-6, 714-830-12

Kids' Choice®

Full Enclosure w/ Seat, Lean Out Enclosure & Full Enclosure**STEP 5 ATTACH ENCLOSURE TO POSTS**

Refer to **Versalok Fastening System installation**. Place Enclosure rail ends in Bar Sockets. Plumb and level Enclosure; adjust Clamp positions as needed. Tighten rail ends in Bar Sockets, Bar Sockets on Clamps, and Clamp Rings around Posts.

**FINAL STEP**

Proceed with **Final Assembly installation**.

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.

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**.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-851-39	Square Transfer Point for 3' Deck, Closed	2-5
714-851-359	Square Transfer Point for 3' Deck, Open	2-5
714-851-49	Square Transfer Point for 4' Deck, Closed	6-9
714-851-459	Square Transfer Point for 4' Deck, Open	6-9
714-851-59	Square Transfer Point for 5' Deck, Closed	10-13
714-851-559	Square Transfer Point for 5' Deck, Open	10-13
714-851-69	Square Transfer Point for 6' & 6'-6" Deck, Closed	14-17
714-851-659	Square Transfer Point for 6' & 6'-6" Deck, Open	14-17

Note: Transfer Points can be oriented left, right or straight with handrails on the right or left of the Transfer Point. Footing layouts will differ depending upon your play system design. Refer to Construction Drawings PRIOR to digging footings to ensure correct configuration. An () by a part number indicates: Color Code Required.*

TOOLS AND EQUIPMENT REQUIRED

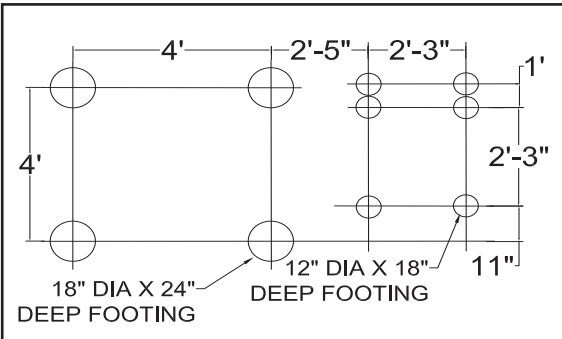
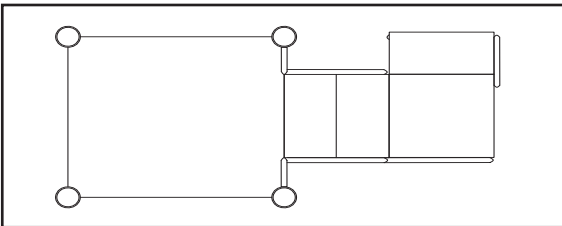
Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4's, wood pieces, concrete blocks, bricks, jack stands, sawhorses, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Hammer
8. Step ladder
9. Adult installers - 2 minimum

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.

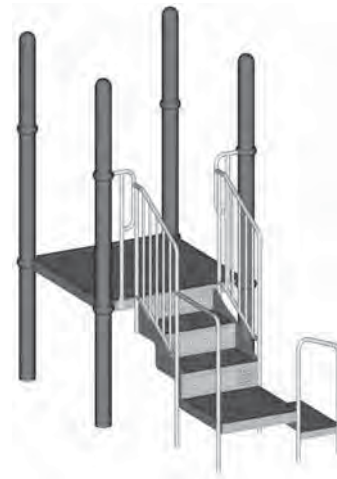
Top View



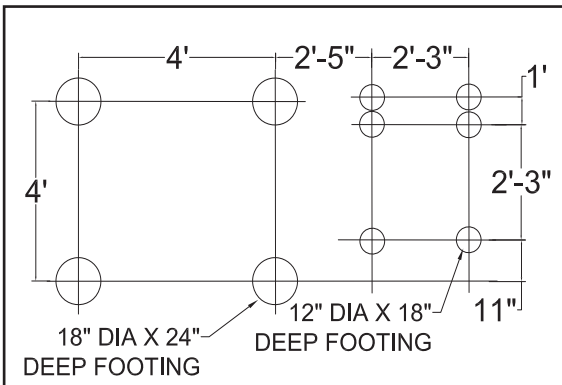
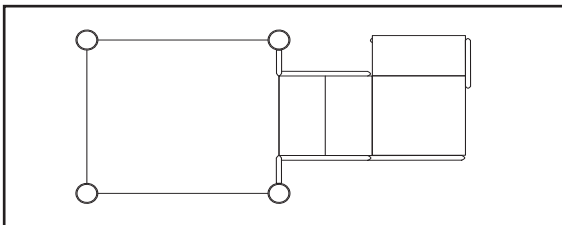
Footing Layout

714-851-39

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



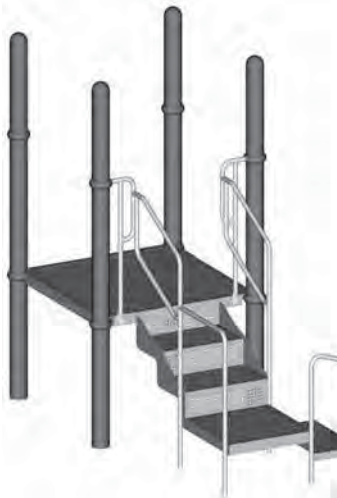
Top View



Footing Layout

714-851-359

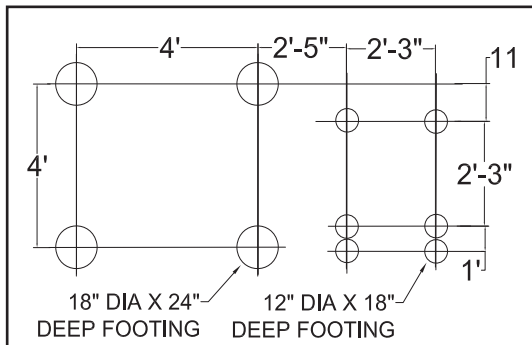
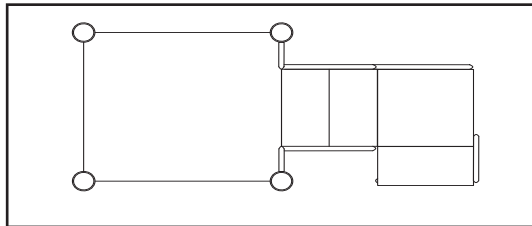
Square Transfer Point for 3' Deck, Open
Bottom step to exit LEFT



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.

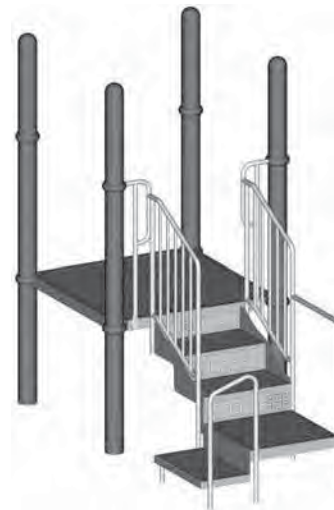
Top View



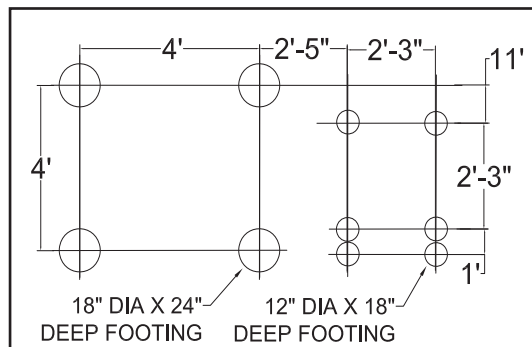
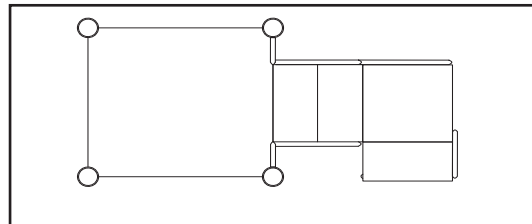
Footing Layout

714-851-39

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



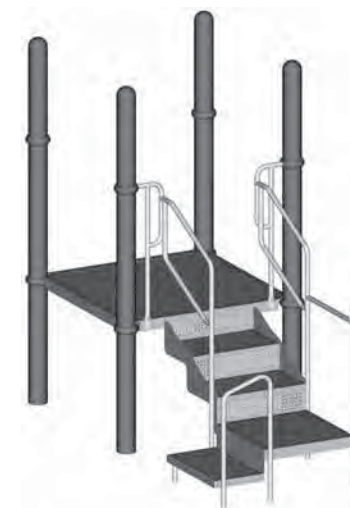
Top View



Footing Layout

714-851-359

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



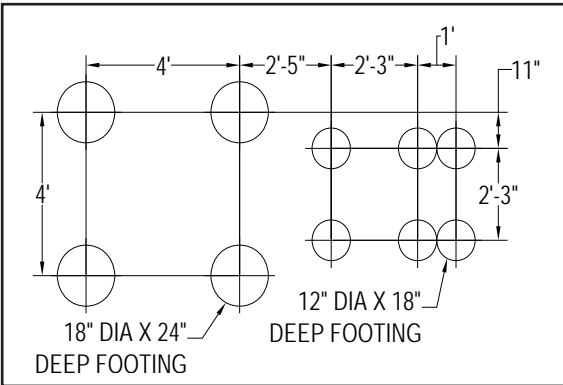
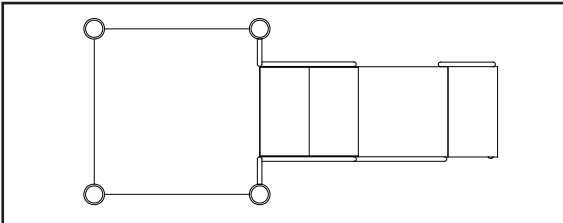
Square Transfer Points

714-851-39, 714-851-359, 714-851-49, 714-851-459, 714-851-59, 714-851-69

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.

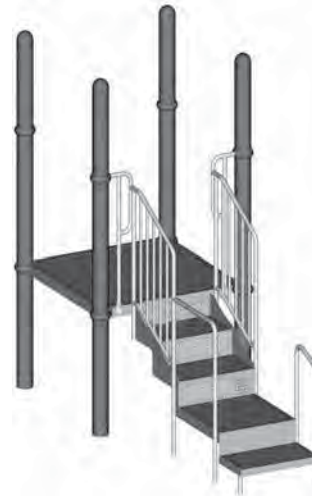
Top View



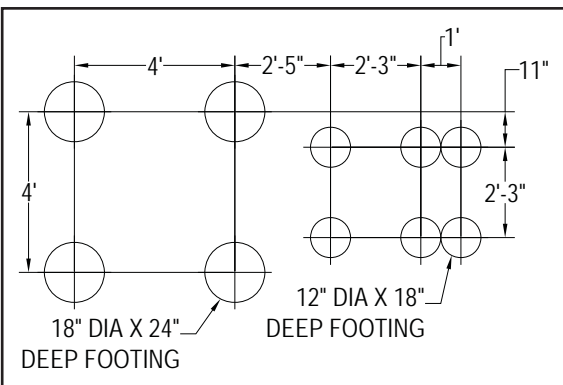
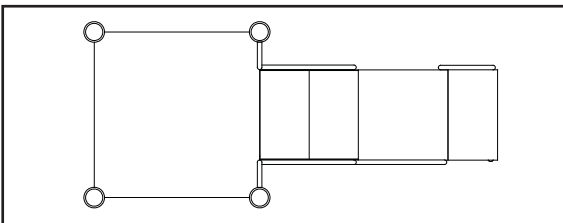
Footing Layout

714-851-39

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



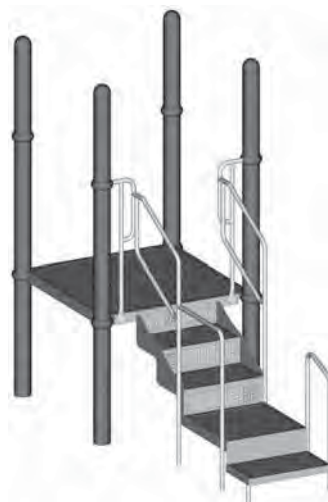
Top View



Footing Layout

714-851-359

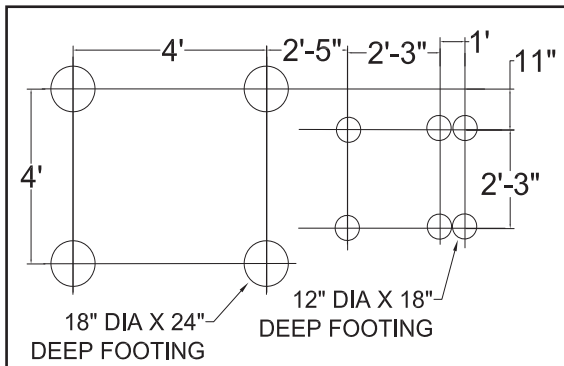
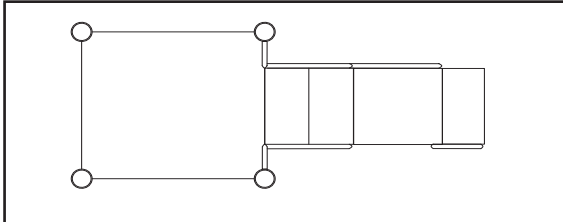
Square Transfer Point for 3' Deck, Open
Bottom step to exit STRAIGHT
with handrail on LEFT



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.

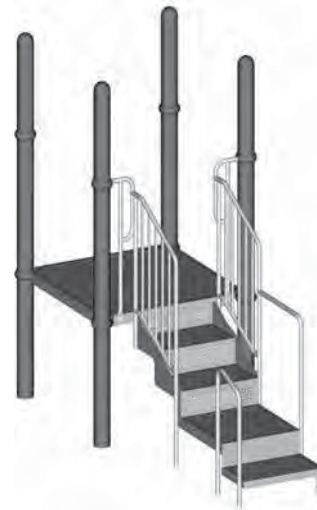
Top View



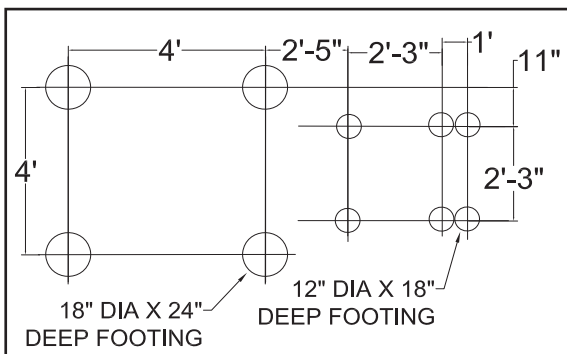
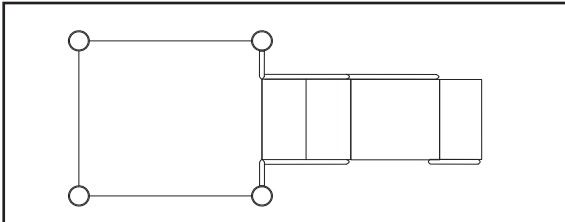
Footing Layout

714-851-39

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



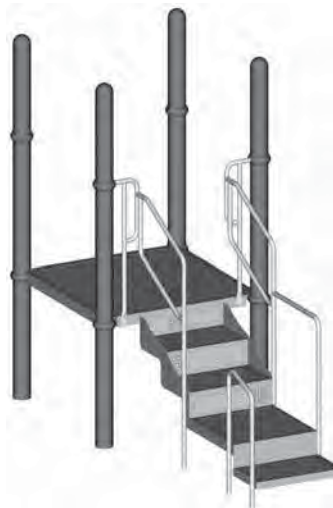
Top View



Footing Layout

714-851-39

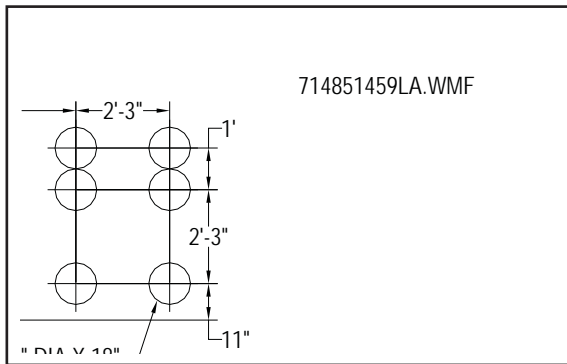
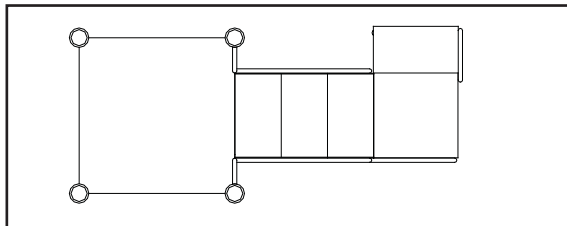
Square Transfer Point for 3' Deck, Open
Bottom step to exit STRAIGHT
with handrail on RIGHT



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.

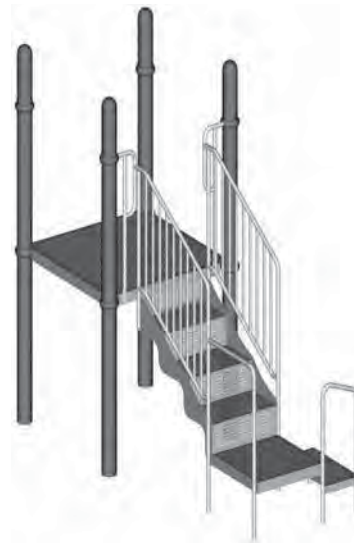
Top View



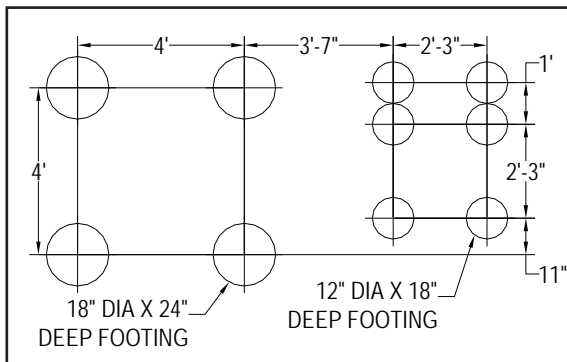
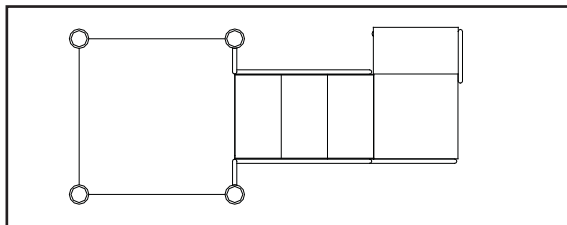
Footing Layout

714-851-49

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



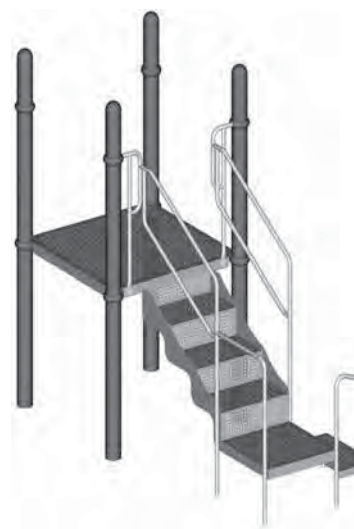
Top View



Footing Layout

714-851-459

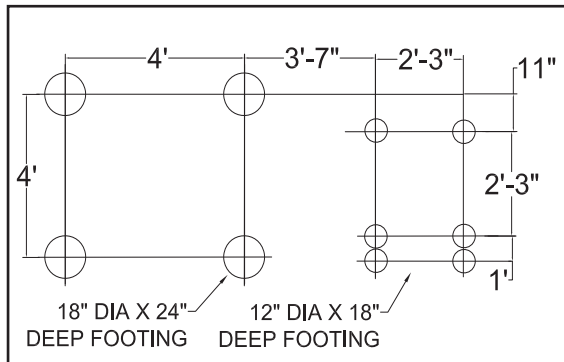
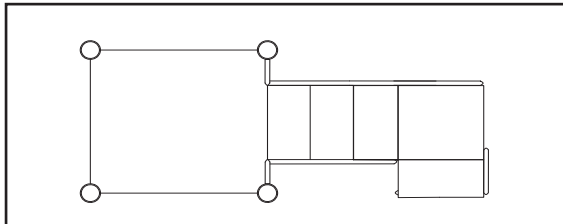
Square Transfer Point for 4' Deck, Open
Bottom step to exit LEFT



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.

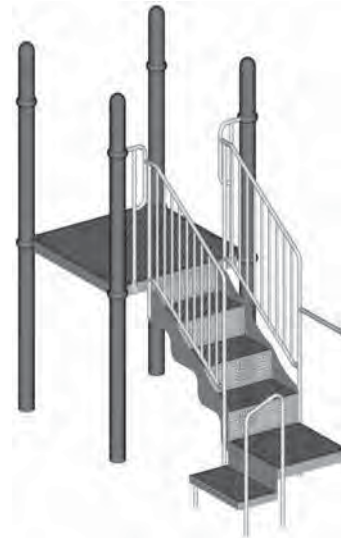
Top View



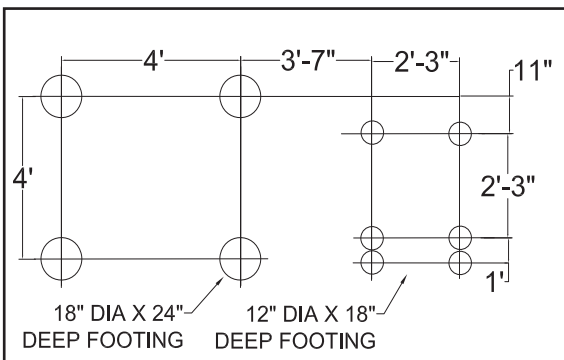
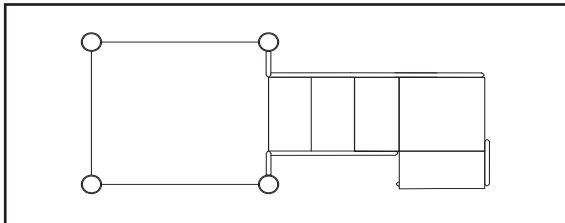
Footing Layout

714-851-49

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



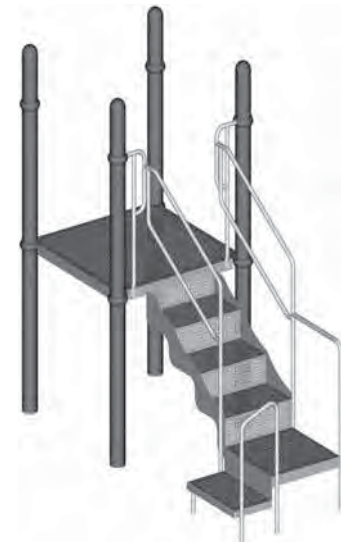
Top View



Footing Layout

714-851-459

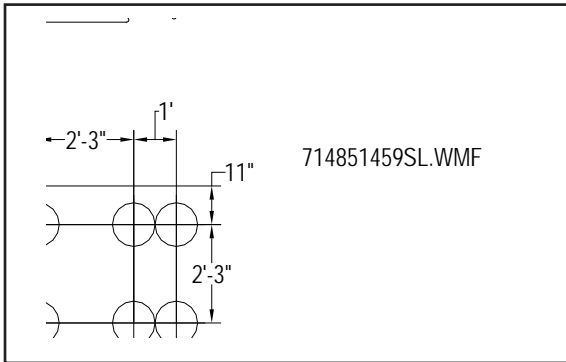
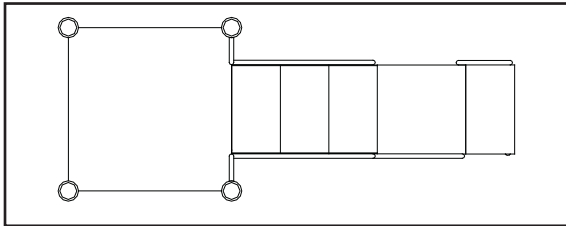
Square Transfer Point for 4' Deck, Open
Bottom step to exit RIGHT



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.

Top View



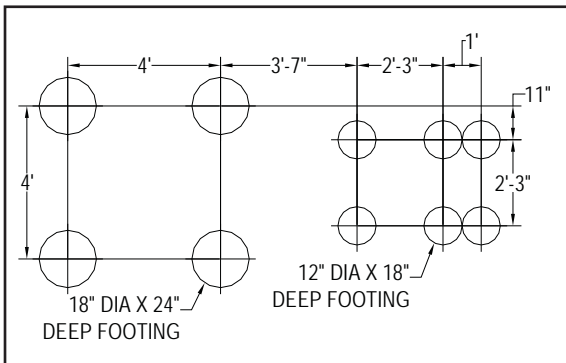
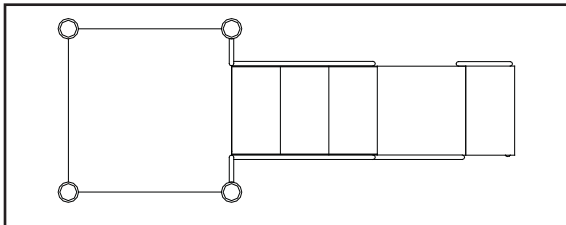
Footing Layout

714-851-49

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



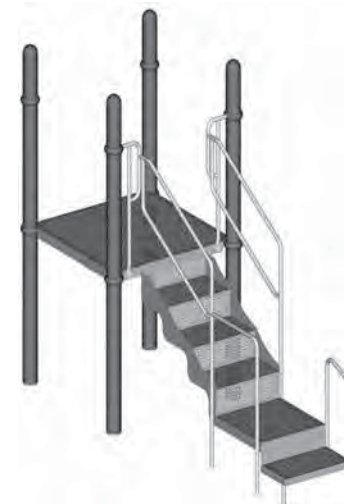
Top View



Footing Layout

714-851-459

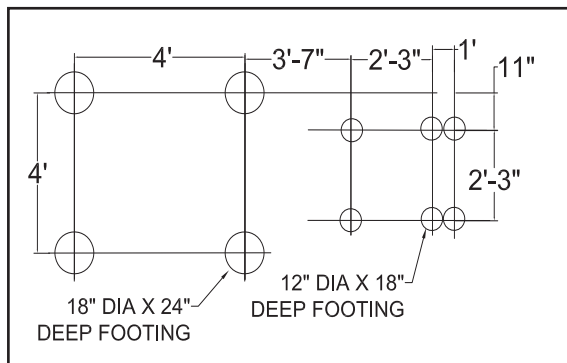
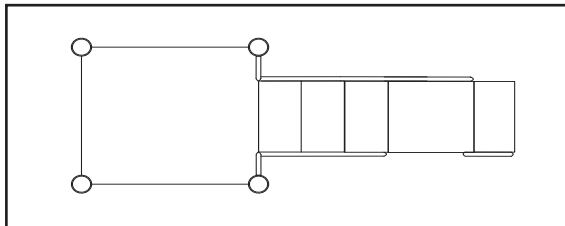
Square Transfer Point for 4' Deck, Open
Bottom step to exit STRAIGHT
with handrail on LEFT



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.

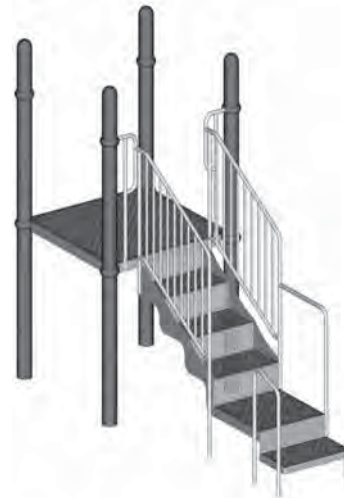
Top View



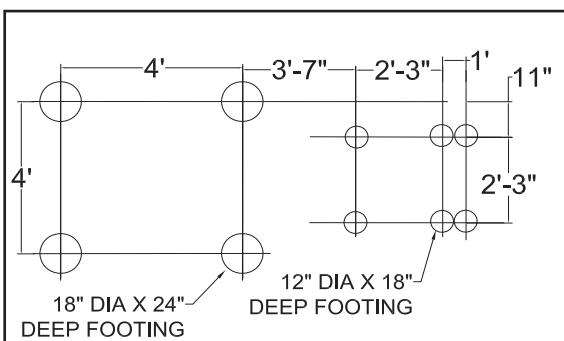
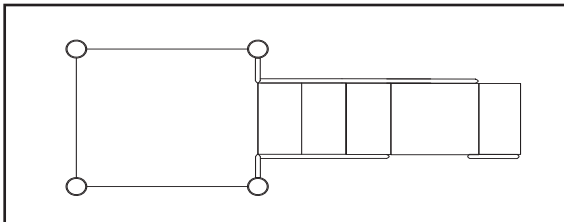
Footing Layout

714-851-49

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



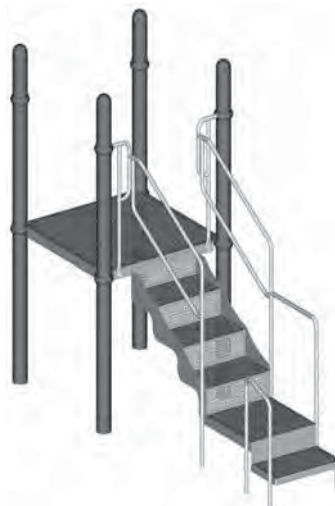
Top View



Footing Layout

714-851-459

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



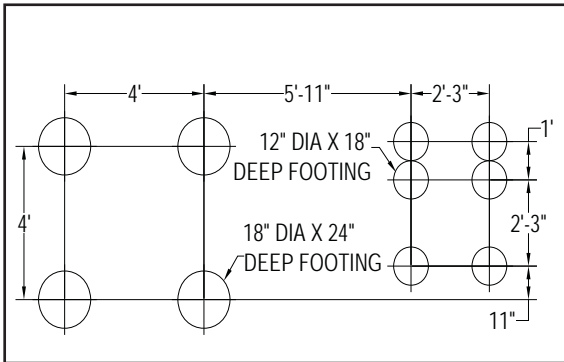
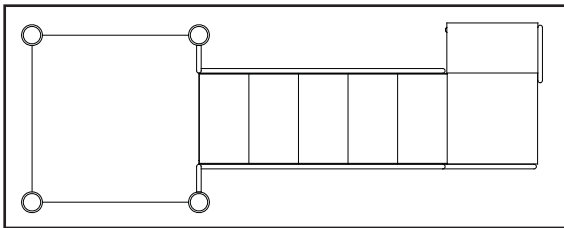
Square Transfer Points

714-851-39, 714-851-359, 714-851-459, 714-851-49, 714-851-59, 714-851-69

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.

Top View



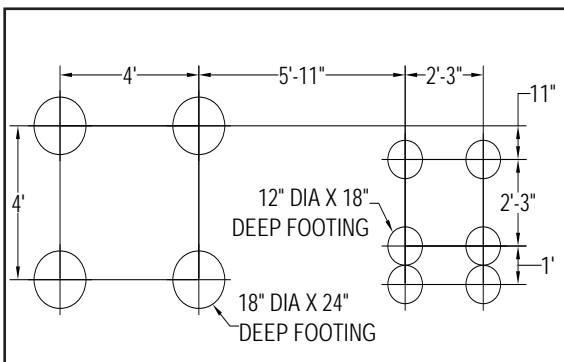
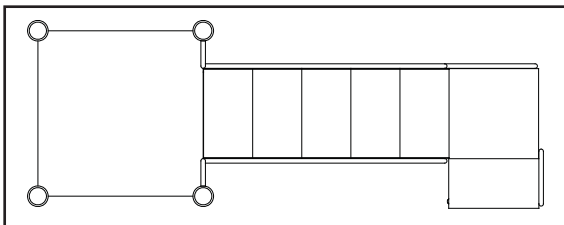
Footing Layout

714-851-59

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



Top View



Footing Layout

714-851-59

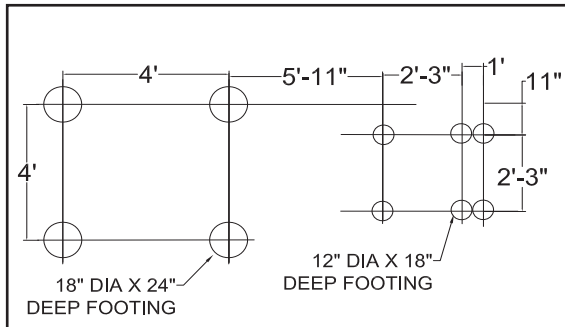
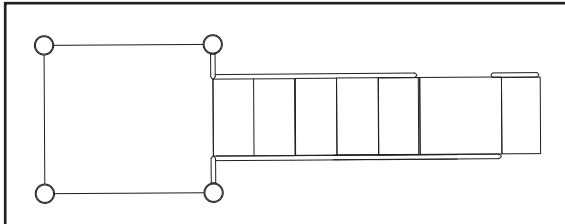
Square Transfer Point for 5' Deck, Closed Bottom step to exit RIGHT



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.

Top View



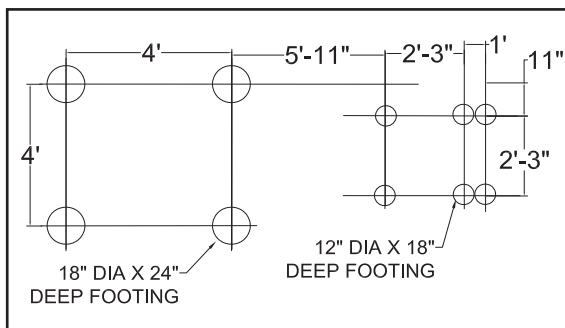
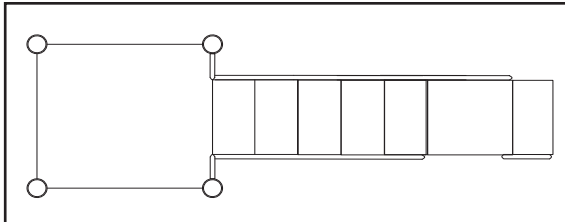
Footing Layout

714-851-59

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



Top View



Footing Layout

714-851-59

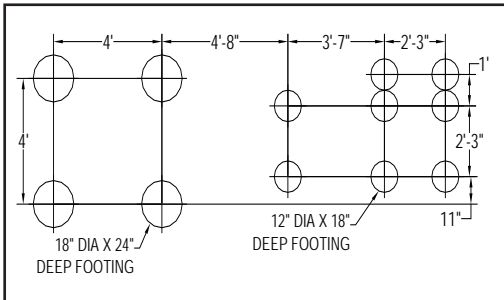
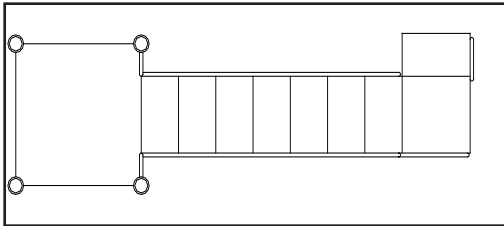
Square Transfer Point for 5' Deck, Closed
Bottom step to exit STRAIGHT
with handrail on RIGHT



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.

Top View



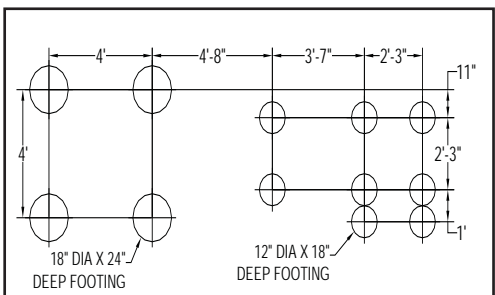
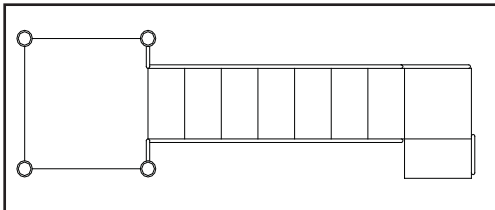
Footing Layout

714-851-69

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



Top View



Footing Layout

714-851-69

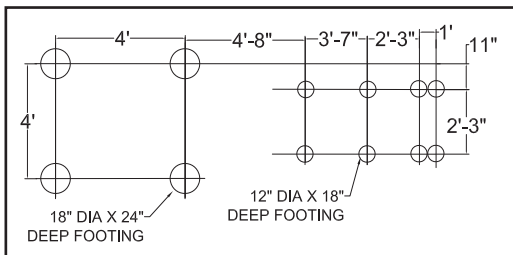
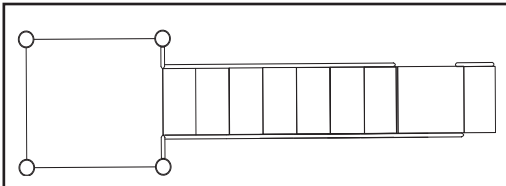
Square Transfer Point for 6' & 6'-6" Deck, Closed Bottom step to exit RIGHT



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.

Top View



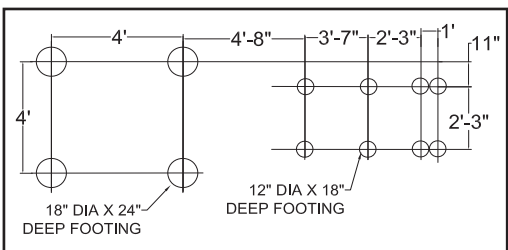
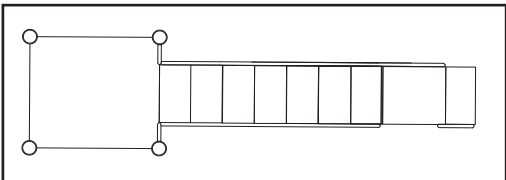
Footing Layout

714-851-69

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



Top View



Footing Layout

714-851-69

Square Transfer Point for 6' & 6'-6" 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.

RECOMMENDED ASSEMBLY SEQUENCE

1. Deck system (per separate instructions)
2. Footings
3. Deck enclosures to deck and to posts (via clamps and bar sockets)
4. Stair handrail and stair/deck handrail to deck enclosures
5. Swaged extensions (and sleeves if applicable) to stair handrail and stair/deck handrail (extensions into footings)
6. Stair to deck and to handrails (via sleeves if applicable)
7. Transfer point deck to stair
8. Transfer deck handrail to stair/deck handrail and transfer point deck (transfer deck handrail into footing)
9. Transfer step handrail to transfer point deck (transfer step handrail into footings)
10. Bottom step to transfer point deck and transfer step handrail
11. Rung leg to bottom step (rung leg into footing)
12. Final assembly

STEP 1 READ INSTRUCTIONS PRIOR TO ASSEMBLY

- 1a. Read *Safety Brochure 100, Important Notes*, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2 INSTALL DECK PER SEPARATE INSTRUCTIONS

- 2a. Install deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings, or permanently secure clamps to posts with self-drilling screws, until all components in system have been installed per instructions and braced in position, level and plumb.

STEP 3 DIG FOOTINGS

- 3a. Dig footings per *Footing Layout*, Construction Drawings, and *Footing Details* installation.

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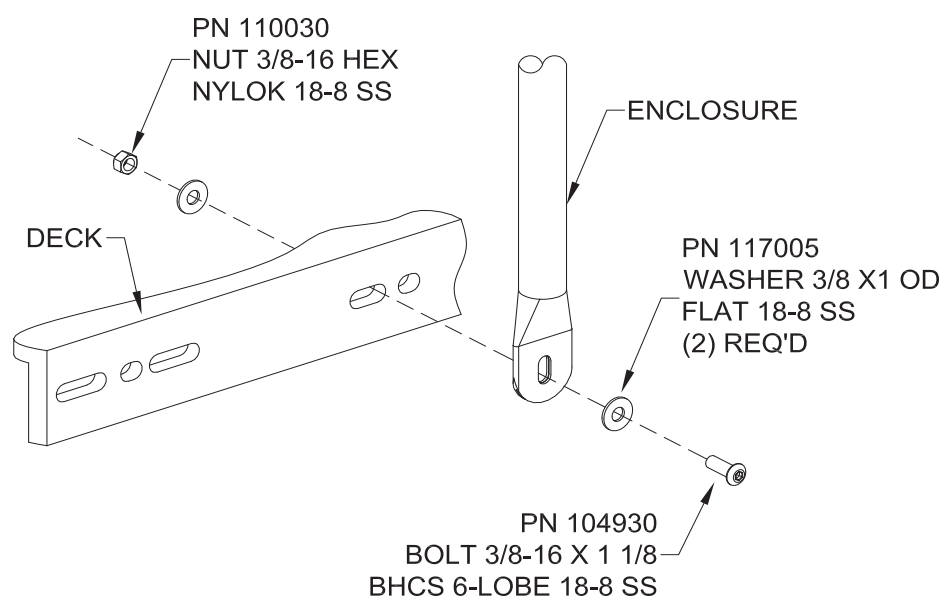
Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.

STEP 4 ASSEMBLE CLAMP RINGS TO POST; BAR SOCKETS TO CLAMPS

- 4a. Refer to *Versalok Fastening System installation*. Loosely assemble clamp rings around posts so that bottom edge of each clamp is 37-3/8" from top edge of deck supporting clamp.
- 4b. Loosely assemble a bar socket to each clamp ring and orient toward center of deck mid-point.

STEP 5 ATTACH ENCLOSURES TO DECK

- 5a. Position deck enclosures (PN 990119*) with top rail ends in bar sockets, uprights plumb and holes in mached ends aligned with holes in deck.
- 5b. Use a drill to remove excess PVC from only mating bolt holes in deck edge. Assemble enclosures to deck as shown below.
- 5c. Refer to *Versalok Fastening System installation*. Affix enclosures in bar sockets, bar sockets to clamps and clamp rings around posts. If necessary, adjust clamp positions to ensure enclosure uprights are plumb.



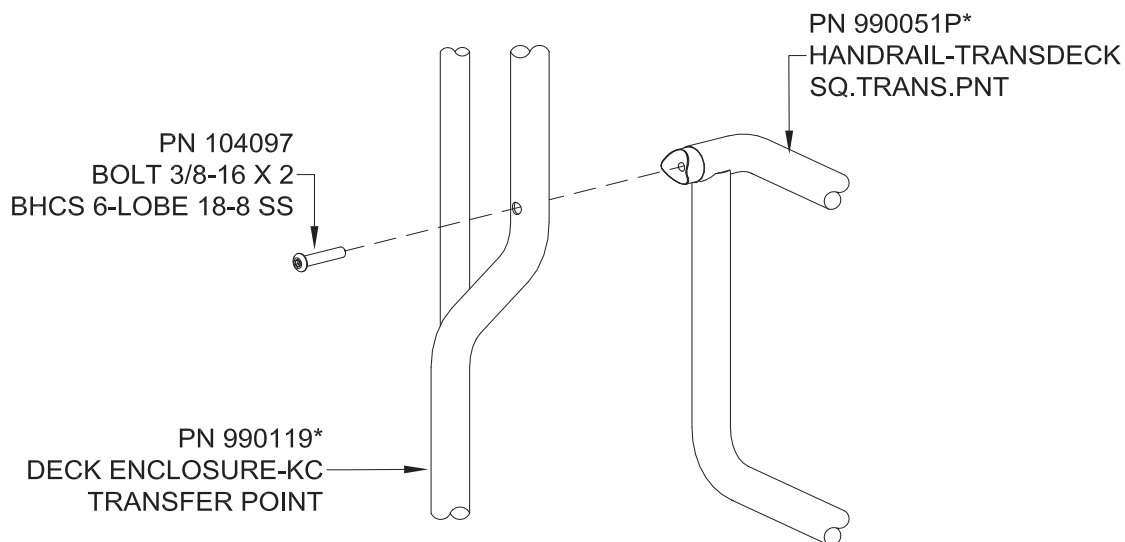
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.**STEP 6 ATTACH HANDRAILS TO ENCLOSURES**

- 6a. Refer to *Construction Drawing Top View* to determine planned orientation of transfer point's bottom step and transfer step handrail, which establishes correct location for stair handrail and stair/deck handrail (i.e. which side of stair assembly to install each).

Note: Transfer handrail contains a bolt hole in its bottom upright for assembly of transfer deck handrail, while stair handrail does not contain the hole.

- 6b. Assemble top ends of handrails to deck enclosures as shown. Support handrails until next step is complete.

**STEP 7 ATTACH UPRIGHTS AND/OR HANDRAIL EXTENSIONS**

For models from 5' and 6'-6" Decks only:

- 7a. Refer to *step 12* or *step 13 illustration*. Place handrail sleeves on lower upright of stair handrail and stair/deck handrail and loosely insert a bolt into one hole, to hold sleeve above connection point of handrail extension (per next instruction). Repeat for middle uprights for model 714-851-59 only.

Kids' Choice® - Mira-Therm II™

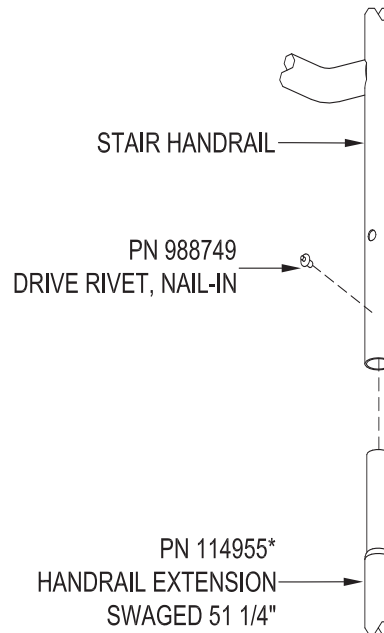
Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.

STEP 7 ATTACH UPRIGHTS AND/OR HANDRAIL EXTENSIONS, cont.

For ALL models:

- 7b. Set handrail extensions into footings beneath uprights of stair handrail and stair/deck handrail. Insert and fully seat swaged ends of extensions into lower handrail uprights and middle uprights for model 714-851-69 only.

- 7c. Plumb assemblies and drill a 1/4" hole through handrails into extensions. Fully seat a drive rivet in each and strike pin with hammer to expand.



STEP 8 REMOVE EXCESS PVC FROM MATING BOLT HOLES

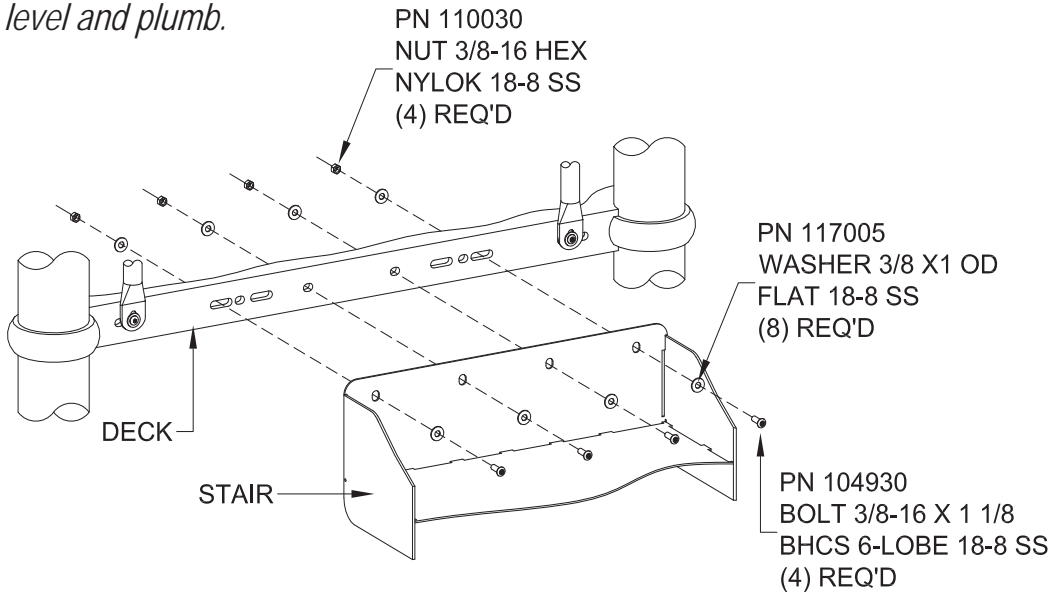
- 8a. Use a drill to remove excess PVC from four (4) bolt holes in both top and bottom ends of stair, for attachment to deck and transfer point deck, and from holes on both sides of stair for handrail attachment.
- 8b. Remove excess PVC from mating bolt holes in deck edge and two faces of transfer point deck for attachment to stair and bottom step.

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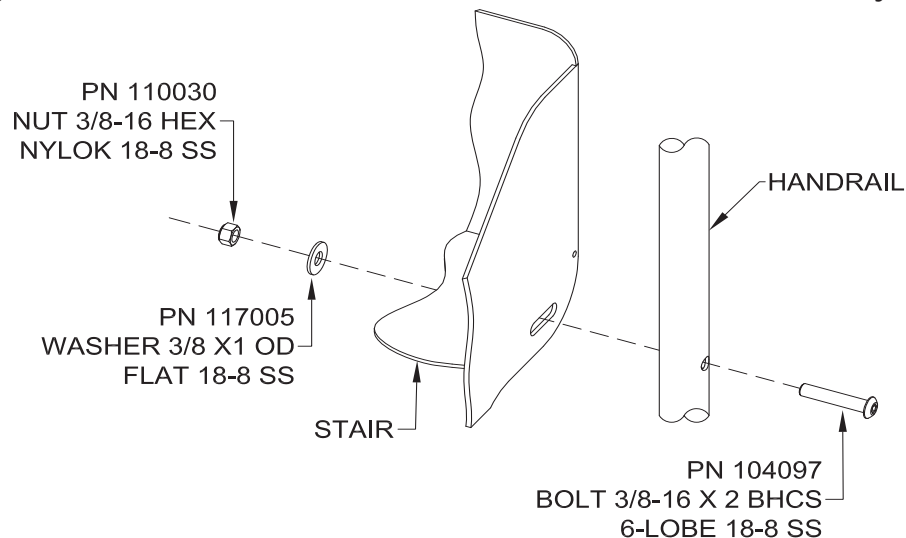
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.**STEP 9 ASSEMBLE STAIR TO DECK**

9a. Position top end of stair against deck and assemble as shown.

Note: Do not tighten bolts in this assembly until all parts are fully installed and braced in position, level and plumb.**STEP 10 AFFIX CLOSED HANDRAIL TO STAIR, IF APPLICABLE***For models with Closed (Spoked) Handrails only:*

10a. Assemble topmost upright on handrails to stair sides as shown. Assemble middle upright on handrails to stair sides as shown for model 714-851-59 only.



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.

STEP 11 ASSEMBLE HANDRAILS TO STAIR SIDES, IF APPLICABLE

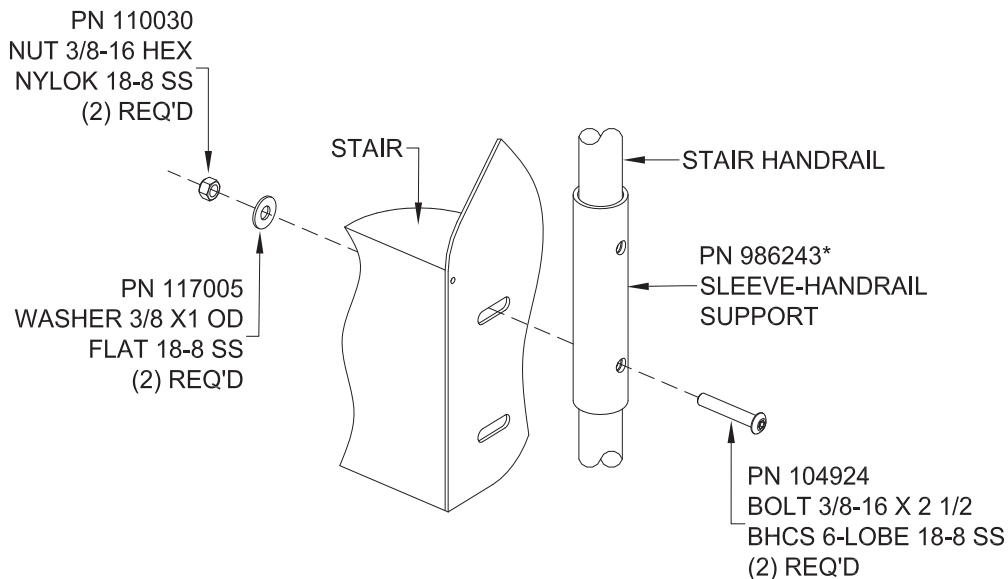
For models from 3' and 4' Decks only:

- 11a. Refer to **Step 10 illustration** on previous page. Assemble handrails to stair sides (at bottom end) as shown.

STEP 12 BOLT HANDRAIL SLEEVE/HANDRAIL TO STAIR, IF APPLICABLE

For models from 5' Decks only:

- 12a. Bolt through bottom hole in handrail sleeve, through pre-drilled hole in handrail (above connection point of swaged extension), and through pre-drilled hole in stair. Repeat on opposite side of stair.



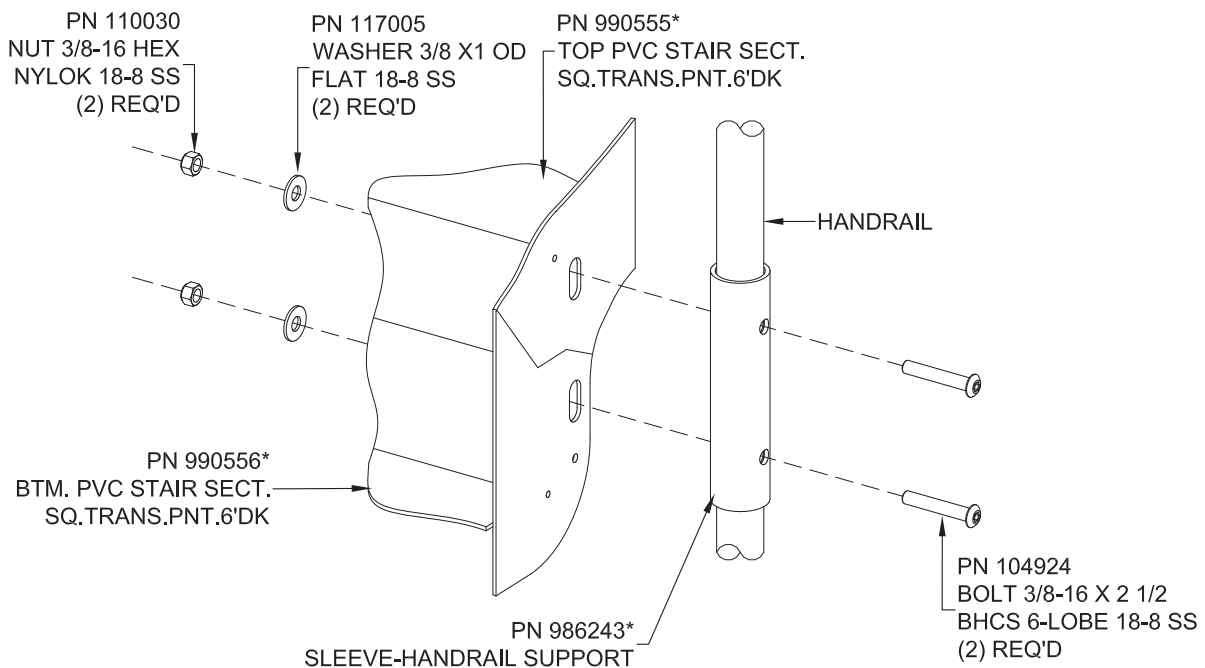
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Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.**STEP 13** ASSEMBLE HANDRAILS TO STAIR SIDES, IF APPLICABLE*For models from 6'-6" Decks only:*

13a. Assemble handrails to stair sides (at approximate mid-point and bottom end) through handrail sleeves as shown (in effect, splicing bottom stair to top stair).

Note: The bottom end handrail uprights contain only one pre-drilled hole, as in step 12 illustration on previous page, not two as shown in "mid-point" handrail illustration below, and require only one bolt, washer and nut each; bolt through sleeve's bottom hole only when assembling to bottom end handrail uprights.



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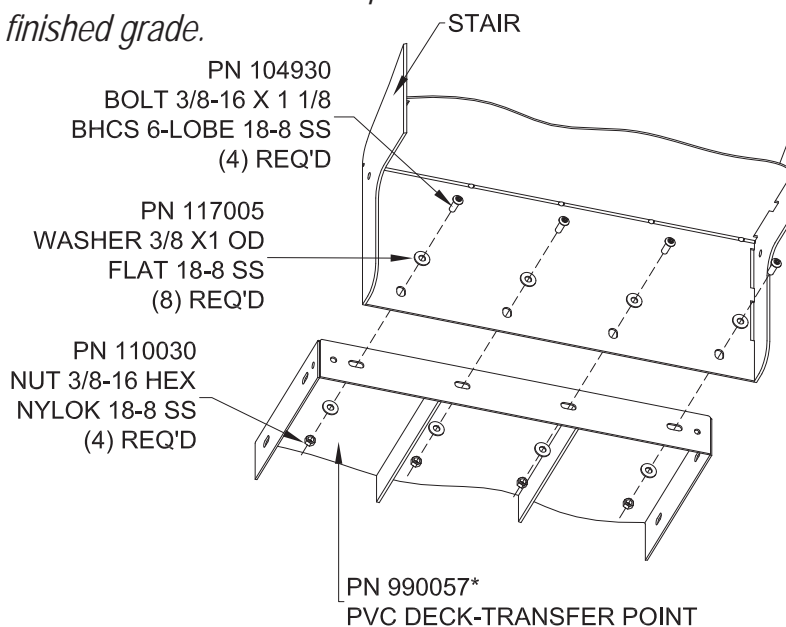
Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.

STEP 14 ATTACH TRANSFER POINT DECK TO STAIR ASSY

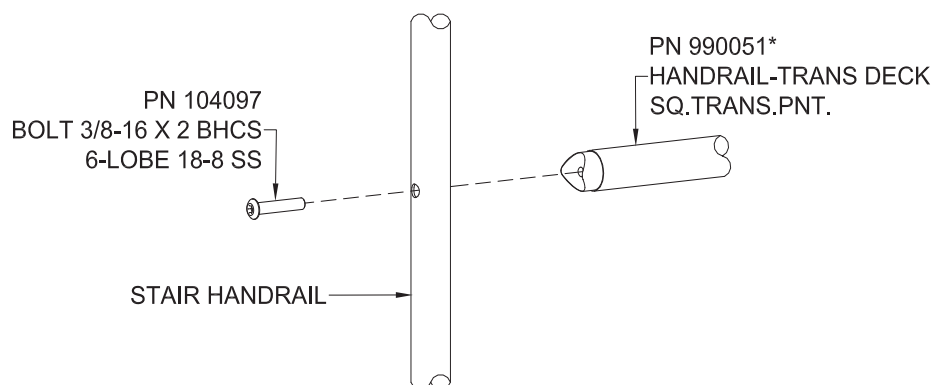
14a. Attach transfer point deck to stair assembly as shown. Support deck until assembled to handrails in next steps.

Note: If model is attached to 6' deck, transfer point deck must stand 11" from finished grade. If model is attached to 6'-6" deck, transfer point deck must stand 16" from finished grade.



STEP 15 FASTEN TRANSFER DECK HANDRAIL TO STAIR/DECK

15a. Set transfer deck handrail leg into footing and fasten top end to stair/deck handrail as shown.



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Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.

STEP 16 REMOVE EXCESS PVC

- 16a. Refer to pertinent *model illustration* from *pages 2 - 17*. Locate bolt holes on sides of transfer point deck that mate with bolt holes in transfer deck handrail and transfer step handrail. Use a drill to remove excess PVC from them.

STEP 17 ATTACH TRANSFER POINT DECK TO TRANSFER DECK HANDRAIL

- 17a. Refer to *step 10 illustration* on *page 18*. Attach transfer point deck to transfer deck handrail.

STEP 18 FASTEN TRANSFER STEP HANDRAIL LEG TO TRANSFER POINT DECK

- 18a. Refer to *step 10 illustration* on *page 18*. Place legs of transfer step handrail into foot-ing holes, with longer leg (higher arch) oriented toward transfer point deck. Fasten longer leg of transfer step handrail to transfer point deck.

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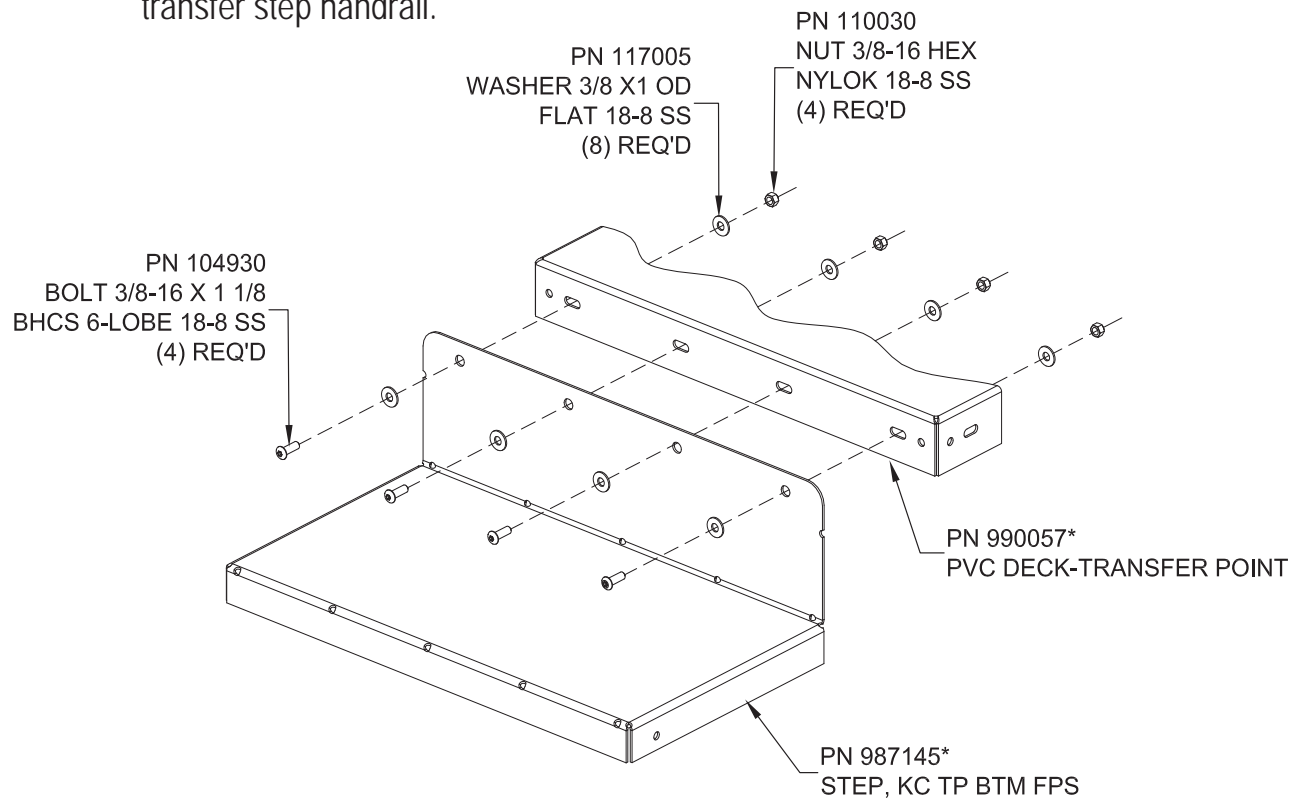
Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.

STEP 19 ASSEMBLE BOTTOM STEP TO DECK AND HANDRAIL

19a. Use drill to remove excess PVC from bolt holes in top of bottom step and on sides for handrail and rung leg attachment.

19b. Assemble bottom step to transfer point deck as shown.

19c. Refer to **step 10 illustration** on *page 18*. Fasten side of bottom step to shorter leg of transfer step handrail.

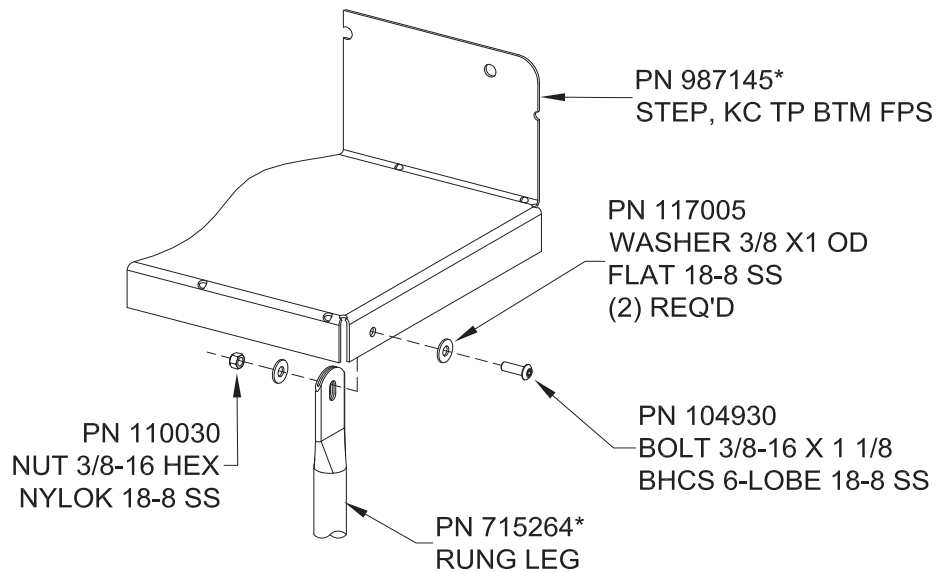


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Kids' Choice® - Mira-Therm II™

Square Transfer Points - 3', 4', 5', 6' & 6'-6" Decks with Closed or Open Handrails - Deck systems not included in these assemblies.**STEP 20** ATTACH RUNG LEG TO BOTTOM STEP

20a. Set rung leg into footing and attach to bottom step as shown.

**FINAL STEP**Plumb and level entire assembly. Tighten all hardware. Proceed with *Final Assembly installation*.



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Installation Guide

Kids' Choice®

Activity Panels

Deck system not included in these assemblies.

February 21, 2005

Rev. L

714-716

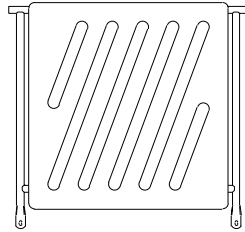
714-756

714-758

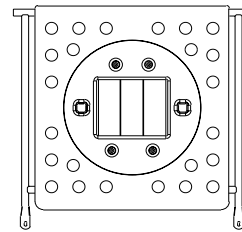
714-760

10 additional
panel models

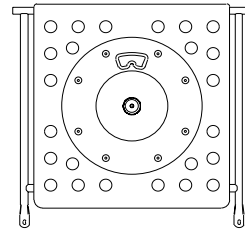
714-716: View Groove Panel



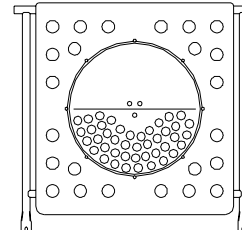
714-756: Sight-N-Sound Panel



714-758: Vision Adventure Panel



714-760: Magic Ball Popper Panel



Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.

714-875

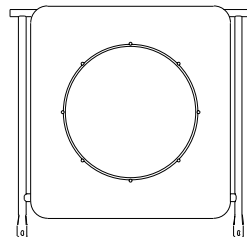
714-875-30

714-904

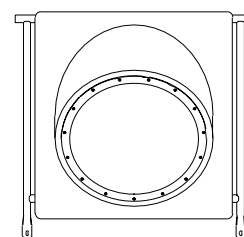
714-980-4

10 additional
panel models

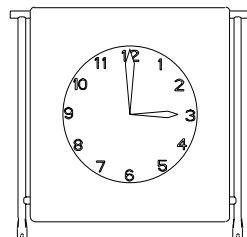
714-875: Bubble Panel



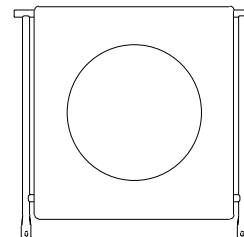
714-875-30: Look-Out Panel



714-904: Clock Panel



714-980-4: Convex Mirror Panel



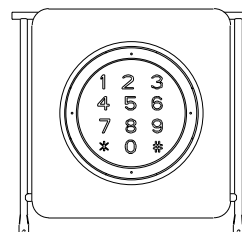
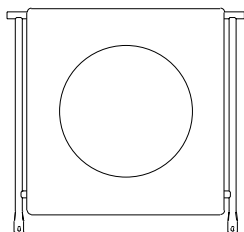
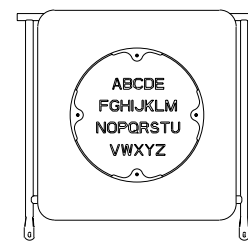
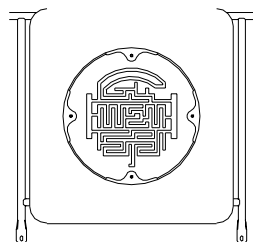
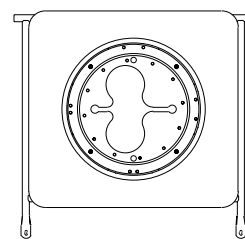
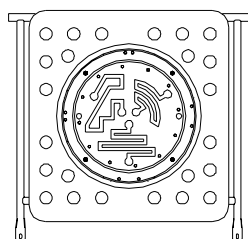
Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.

Activity Panels

714-716, 714-756, 714-758, 714-760, 714-875, 714-875-30, 714-904, 714-980-4, 714-980-5, 714-982-2, 714-982-3, 714-982-4, 714-983-1, 714-983-2

Kids' Choice® Activity Panels

Activity Panels

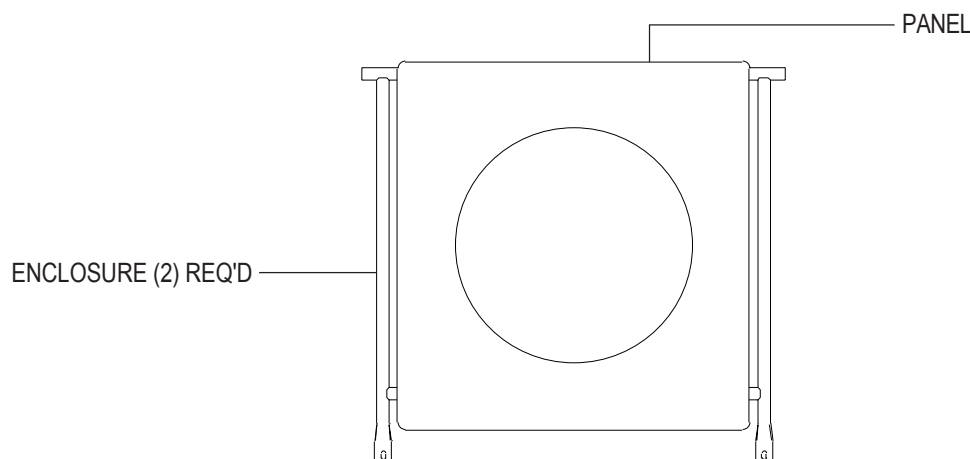
714-980-5**714-982-2****714-982-3****714-982-4**10 additional
panel models**714-980-5: Flat Mirror Panel****714-982-2: Number Finger Maze Panel****714-982-3: Finger Maze Panel****714-982-4: Letter Finger Maze Panel***Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.***714-983-1****714-983-2**12 additional
panel models**714-983-1: Marble Race Panel****714-983-2: Motor Skill Panel***Top Views and Footing Layouts not shown. These units mount vertically on Deck systems.*

714-716, 714-756, 714-758, 714-760, 714-875, 714-875-30, 714-904, 714-980-4,
714-980-5, 714-982-2, 714-982-3, 714-982-4, 714-983-1, 714-983-2



Kids' Choice®
Activity Panels

PARTS IDENTIFICATION



RECOMMENDED ASSEMBLY SEQUENCE

1. Deck system (per separate instructions)
2. Clamps with Bar Sockets loosely to Deck Posts
3. Enclosures loosely into Panel sides
4. Enclosures to Deck and to Posts (via Clamps)
5. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see "Suggested Tools & Equipment" (Doc. # D75002) in "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Step ladder
4. Drill, drill bits, extension cords, power supply
5. Adult installers - 2 minimum

Kids' Choice® Activity Panels

STEP 1

Read *Safety Brochure 100, Important Notes*, these instructions and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2

Install Deck system per separate instructions. Plumb, level and brace in position.

Note: Do not pour concrete for footings, or permanently affix Clamps to Posts with self-drilling screws, until all components in system have been installed per instructions and braced in position level and plumb.

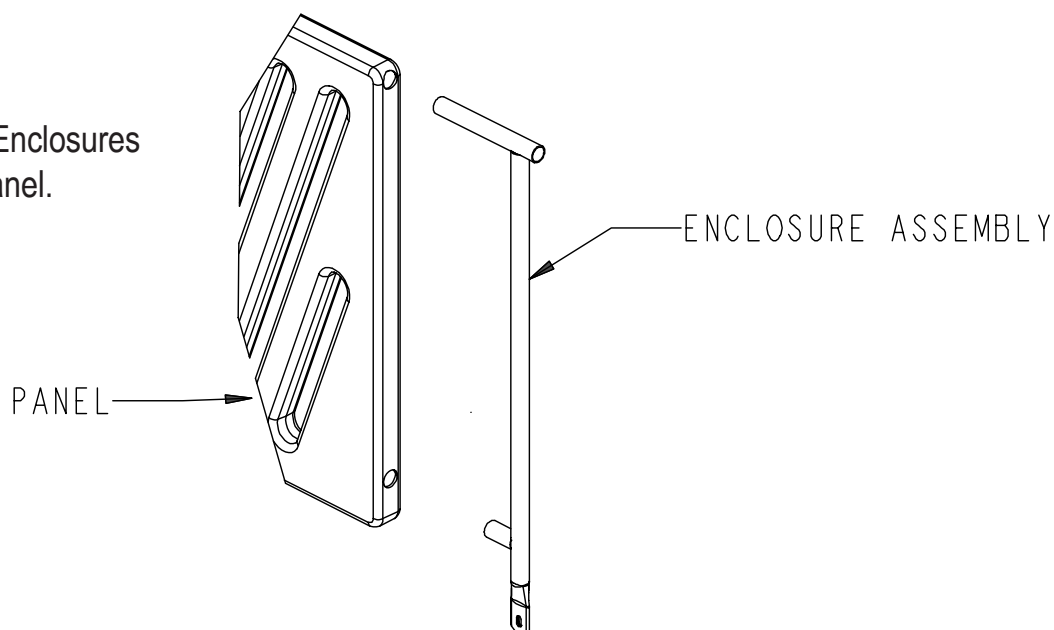
STEP 3

Refer to *Versalok Fastening System installation*.

Attach Clamps loosely on Posts so that bottom edge of each is 37-3/8" from top edge of Deck-supporting Clamp. It is acceptable to approximate position of Clamps until Enclosures are completely installed. Loosely assemble Bar Sockets to Clamps.

STEP 4

Insert ends of Enclosures into sides of Panel.





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Activity Panels

February 21, 2005

Rev. L

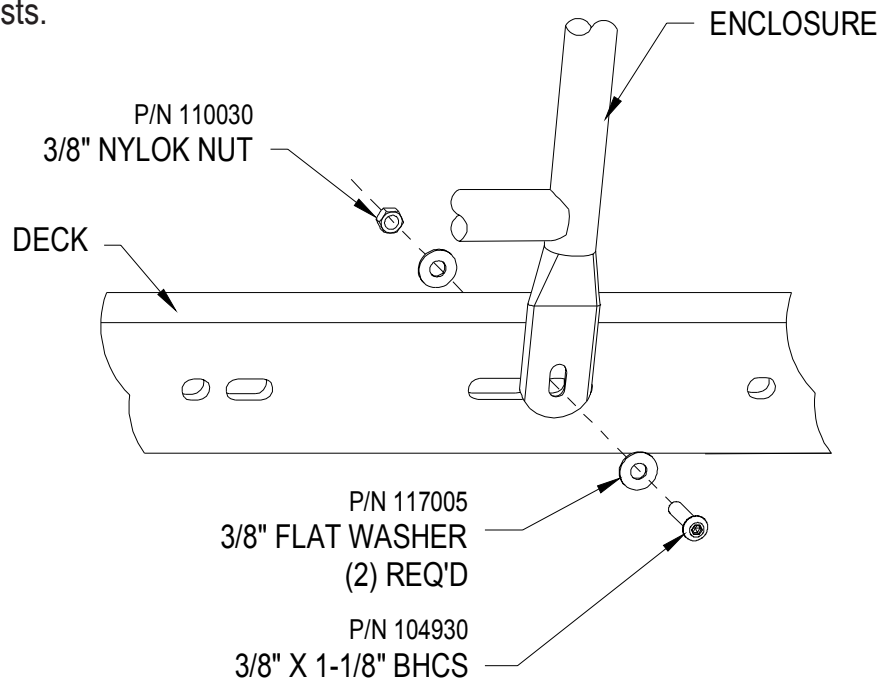
STEP 5

Position Panel Assembly (with Enclosures) against Deck face, or measure, to locate mating bolt holes. Use drill to ream excess PVC from only those holes in Deck. Replace Panel Assembly, placing Enclosure top rail ends in Bar Sockets and aligning holes in mashed upright ends with bolt holes in Deck edge.

STEP 6

Fasten Enclosure uprights to Deck as shown below.

Refer to *Versalok Fastening System installation*. Plumb and level Panel Assembly and tighten Enclosure rail ends in Bar Sockets, Bar Sockets to Clamps, and Clamp Rings around Posts.



FINAL STEP

Proceed with *Final Assembly installation*.

Activity Panels

714-716, 714-756, 714-758, 714-760, 714-875, 714-875-30, 714-904, 714-980-4, 714-980-5, 714-982-2, 714-982-3, 714-982-4, 714-983-1, 714-983-2

Kids' Choice®

Steering Wheel, Post Mount

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.



714-900-P1

Steering Wheel, Post Mount

Note:

- An (*) by a part number (CODE) indicate: Color Code Required.
- Posts are not included in this assembly.

TOOLS AND EQUIPMENT REQUIRED

Refer to "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4's, wood pieces, sawhorses, etc.)
4. Tape measure, level and marker
5. Drill, bits, extension cords, power supply
6. Adult installers - 1 minimum

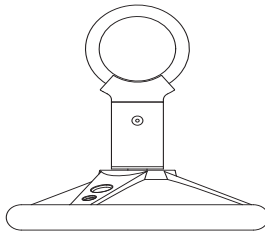
Steering Wheel, Post Mount

714-900-P1

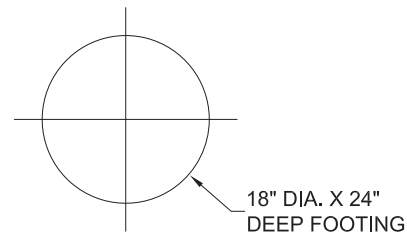
Kids' Choice®

Steering Wheel, Post Mount

Top View



Footing Layout

**STEP 1** DIG FOOTINGS

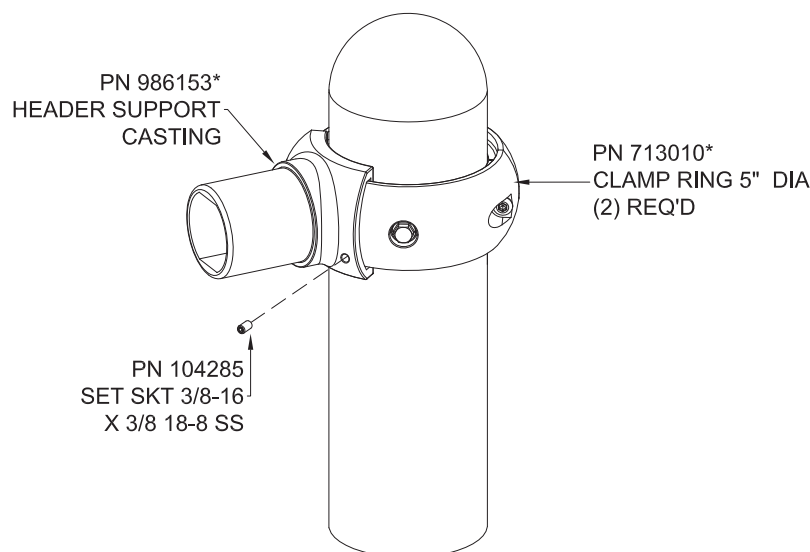
1a. Dig footings per *Footing Layout*, Construction Drawings and *Footing Details installation* located behind *Installations 101* in Installation Manual.

Note: Do not pour concrete or permanently secure clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions, braced in position, leveled and plumbed.

STEP 2 LOOSELY ASSEMBLE CLAMP TO POST

2a. Refer to *Versalok Fastening System installation*.

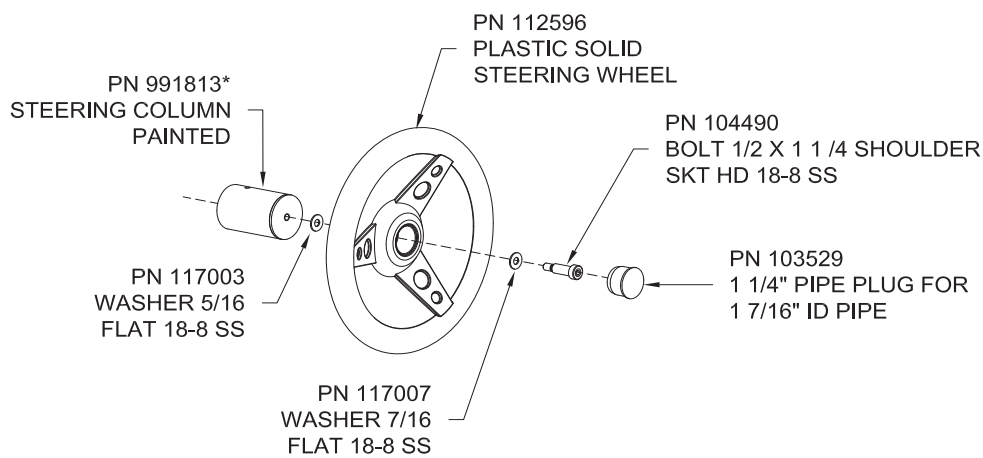
2b. Loosely assemble clamp rings and header around post; tighten rings but do not yet permanently secure with self-drilling screws.



Kids' Choice®

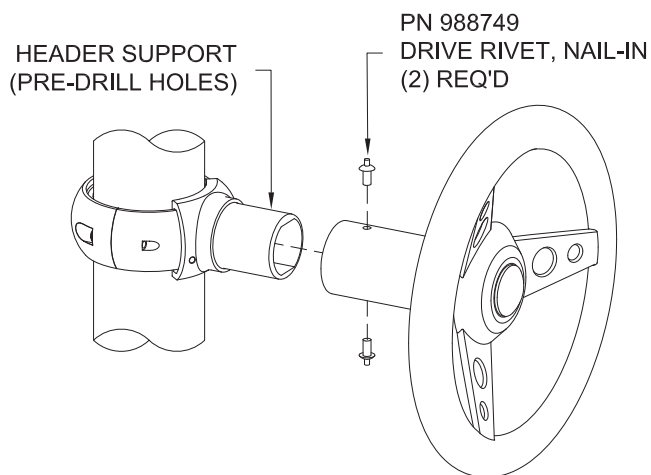
Steering Wheel, Post Mount

STEP 3 ATTACH STEERING WHEEL TO STEERING COLUMN



STEP 4 AFFIX STEERING WHEEL ASSEMBLY TO HEADER SUPPORT

Note: Pre-drill holes in the header support using the steering column as a guide.



FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-920-95	12' Ground-to-Deck Ramp (1:12) w/Spoked Handrails, Mira-Therm II	2
714-920-595	12' Ground-to-Deck Ramp (1:12) w/Open Handrails, Mira-Therm II	2

Note:

- *Deck and post systems are not included in these assemblies.*
- *An (*) by **part numbers** indicate: Color Code Required.*

TOOLS AND EQUIPMENT REQUIRED

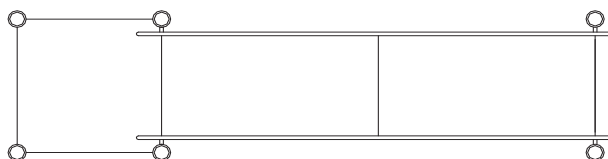
Refer to "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, jack stands, sawhorses, concrete blocks, bricks, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Adult installers - 2 minimum

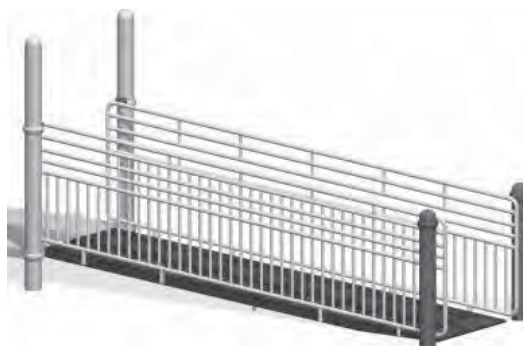
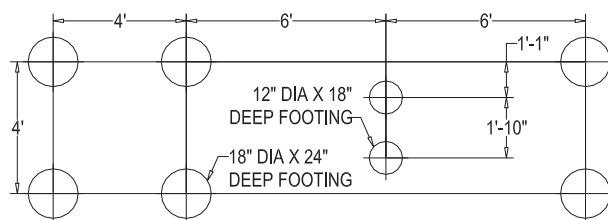
Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails**714-920-95****12' (1:12) Ground-to-Deck Ramps w/Spoked Handrails, Mira-Therm II**

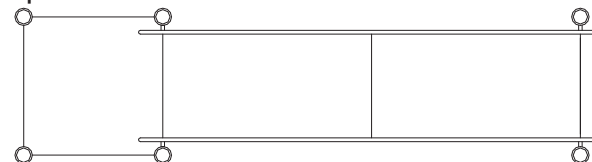
Top View



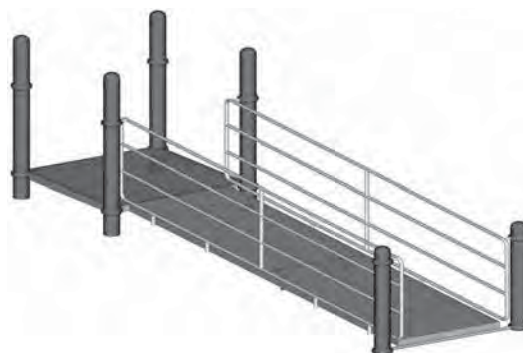
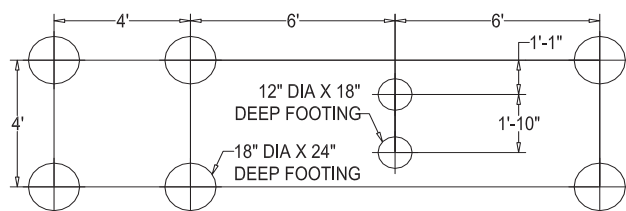
Footing Layout

**714-920-595****12' (1:12) Ground-to-Deck Ramps w/Open Handrails, Mira-Therm II**

Top View



Footing Layout



Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails

STEP 1 INSTALL DECK SYSTEM PER SEPARATE INSTRUCTIONS

1a. Install deck system per separate instructions. Plumb, level and brace in position.

STEP 2 DIG FOOTINGS

2a. Dig footings per *Footing Layouts*, Construction Drawings and *Footing Details installation* located behind *Installations 101* in Installation Manual.

Note: Do not pour concrete for footings or permanently secure clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.

STEP 3 SET END POSTS INTO FOOTINGS

3a. Set end posts into footings. Ensure plumbed posts are level at **3'-4"** (40") from finished grade to post pipe end (before rounded end cap), assuming 12" of surfacing will be installed.

STEP 4 ATTACH CLAMP RINGS TO POSTS; BAR SOCKETS TO CLAMPS

4a. Refer to *Versalok Fastening System installation* located behind *Installations 101* in Installation Manual.

4b. Attach deck post-mounting clamp rings (for handrails) loosely around posts so that bottom edge of each is **37-3/8"** from top edge of deck-supporting clamp.

4c. Attach end post-mounting clamp rings (for handrails *and* ramp support) in approximate locations. Loosely assemble bar sockets on lower clamp rings on end posts (for ramp support).

Note: For Tot's Choice Expansion, use PN 990951 and PN 990964*.*

STEP 5 SECURE TOP RAMP SECTION TO DECK

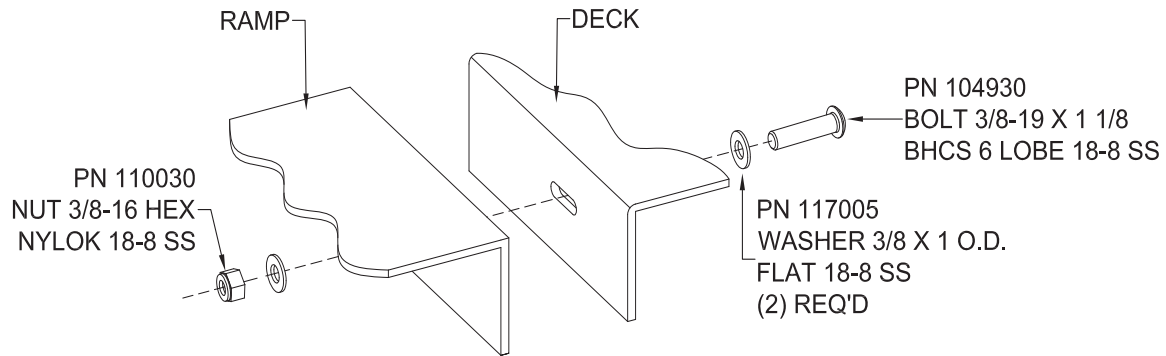
5a. Measure or position ramp against deck to locate and mark mating bolt holes in deck and ramp. Use drill to remove excess PVC from only those four (4) holes in each.

Note: Each ramp section end is labeled "top" and "bottom". "Top" end of upper ramp will attach to deck.

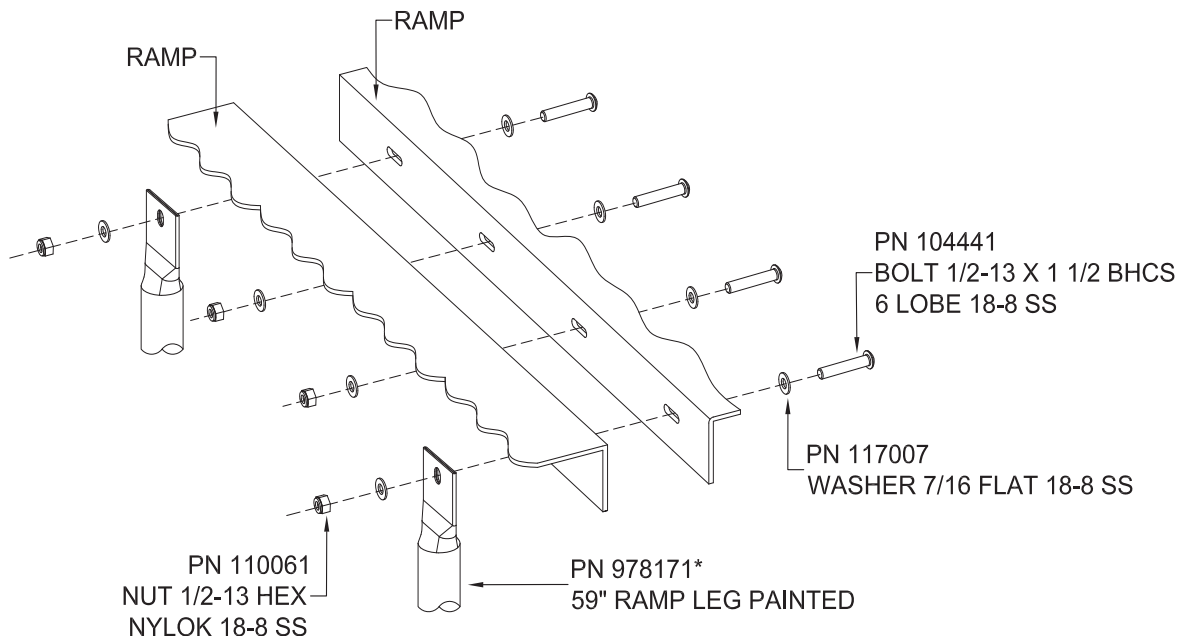
Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails**STEP 5** SECURE TOP RAMP SECTION TO DECK cont.

- 5b. Secure top ramp section to deck as shown. Block up lower end of top ramp section to slope down 6" from deck.

**STEP 6** SECURE BOTTOM RAMP SECTION TO TOP RAMP SECTION

- 6a. Set ramp legs into footing holes at lower end of top ramp section.
- 6b. Measure or position bottom ramp section against top ramp section to locate and mark mating bolt holes in each section. Use drill to remove excess PVC from only those four (4) holes in each.
- 6c. Secure top and bottom ramp sections together by attaching the two (2) legs as shown.



Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails

STEP 6 SECURE BOTTOM RAMP SECTION TO TOP RAMP SECTION *cont.*

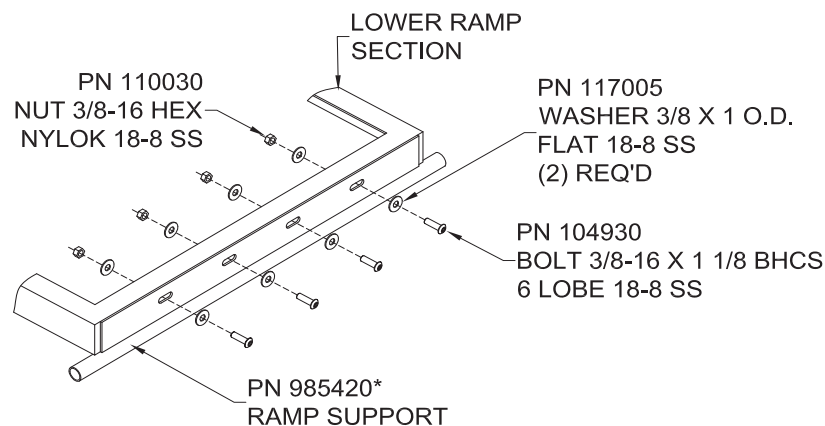
Note: Each ramp section end is labeled "top" and "bottom". "Top" end of bottom ramp will attach to "bottom" end of upper ramp.

- 6d. Plumb legs in footings. Do not attach legs between sections and block up lower end of bottom ramp section to slope down 12" overall from deck.

STEP 7 ATTACH RAMP SUPPORT TO LOWER RAMP

- 7a. Locate mating bolt holes and use drill to remove excess PVC from only those four (4) holes in bottom ramp section; attach ramp support to lower ramp section.

Note: If also installing a ramp extension (Models 714-920E or 714-920A), please refer to separate installation guide(s).



STEP 8 SECURE RAMP TO POSTS

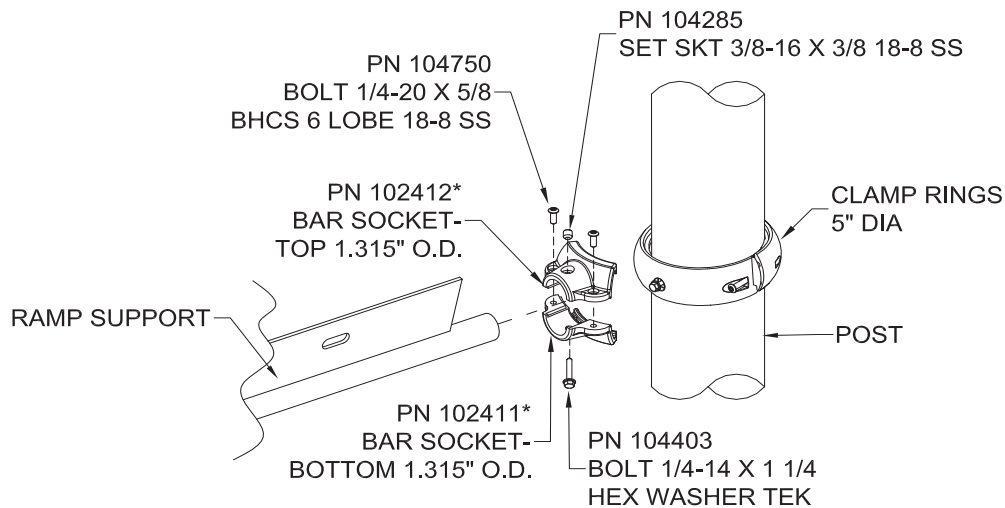
- 8a. Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual and Step 4, page 3.

Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails**STEP 8** SECURE RAMP TO POSTS cont.

- 8b. Insert ends of ramp support into bar sockets on clamps. Plumb posts, level ramp assembly and brace in position. Ramp assembly end should be level with finished grade. Tighten ramp support rail in bar sockets with set screws and tighten clamp rings around posts.

Note: For Tot's Choice Expansion, use PN 990951 and PN 990964*.*

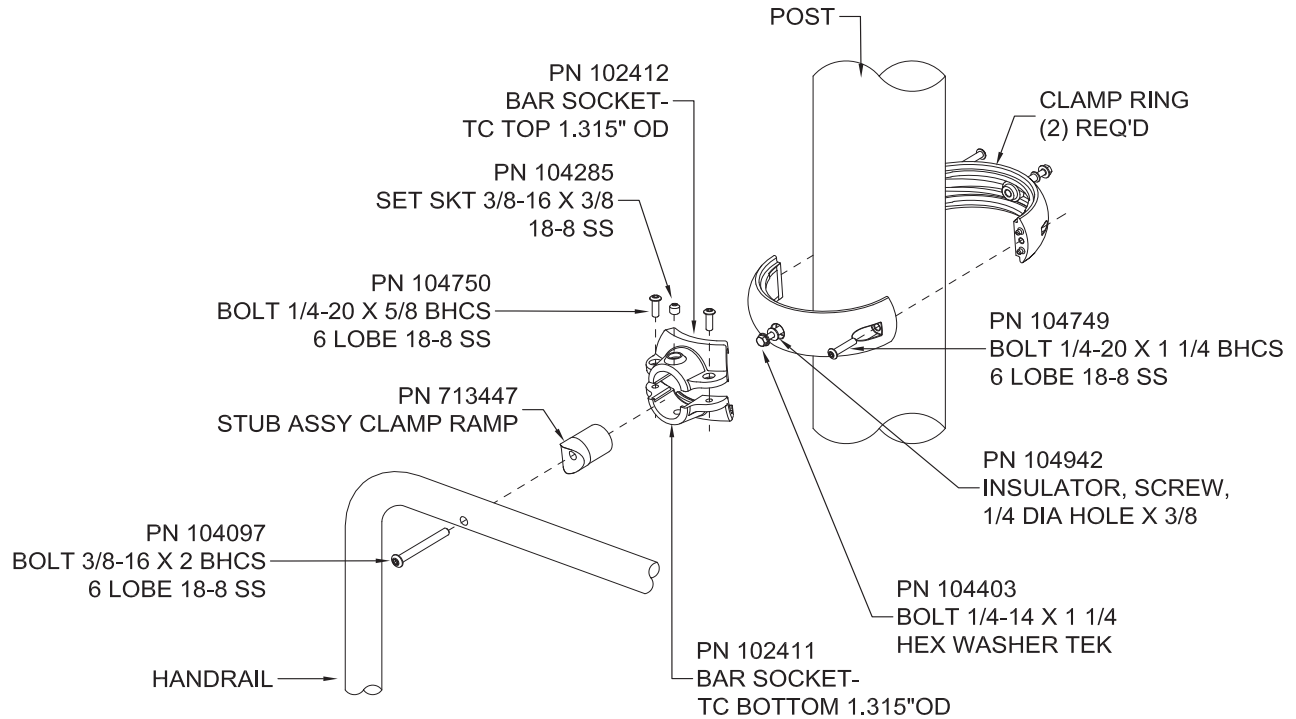
**STEP 9** ATTACH HANDRAILS TO POSTS

- 9a. Refer to *Versalok Fastening System* installation located behind *Installations 101* in Installation Manual and Step 4, page 3.
- 9b. Firmly seat clamp stubs in bar sockets (on all clamps for handrails) and tighten in place with set screws as shown.
- 9c. Attach handrail's top rail to clamp stub as shown. Align holes in handrail's bottom stubs with holes in side of ramp assembly. Use drill to remove excess PVC from mating bolt holes in ramp. Reposition end post-mounting clamp, as needed, and attach handrail to clamp stub on end post. Tighten bar sockets against clamps with set screws and tighten clamp rings around posts as shown.
- 9d. Repeat this step for the second handrail.

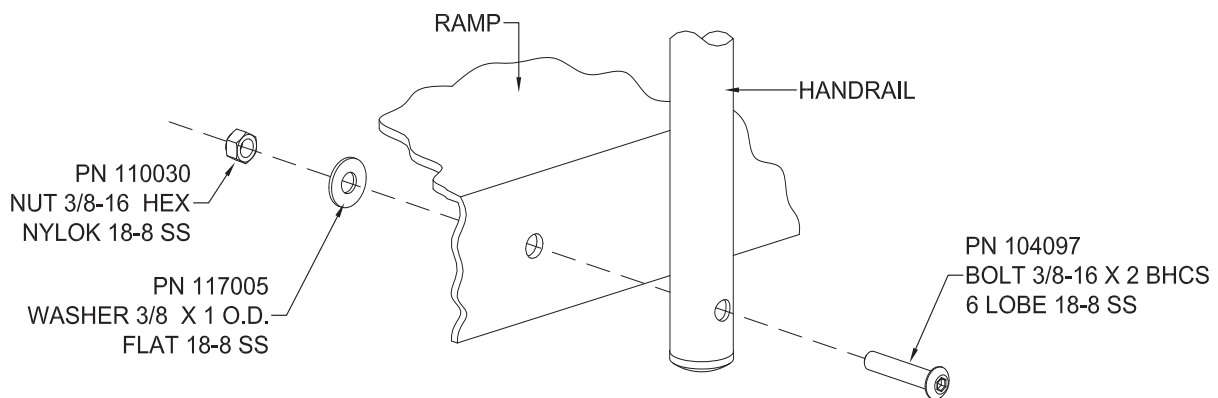
Note: For Tot's Choice Expansion, use PN 990951 and PN 990964*.*

Kids' Choice® - Mira-Therm II

12' (1:12) **Ground-to-Deck Ramps**- Spoked and Open Handrails

STEP 9 ATTACH HANDRAILS TO POSTS cont.

STEP 10 SECURE HANDRAILS TO RAMP

10a. Attach handrail stubs to ramp as shown.


FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Kids' Choice®

Ramp Deck-To-Deck 12', 1:12 MT II

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
714-921-9	Ramp Deck-To-Deck 12', 1:12 MT II	2
714-921-59	Ramp Deck-To-Deck 12', 1:12 OPN HNDRL MT II	2

Note:

- *Deck systems/posts are not included in these assemblies.*
- *An (*) by a part number (CODE) indicate: Color Code Required.*

TOOLS AND EQUIPMENT REQUIRED

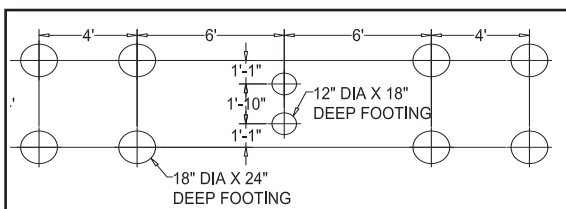
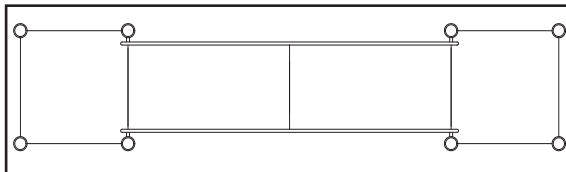
Refer to "Installations 101"

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, concrete blocks, bricks, jack stands, sawhorses, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Step ladder
8. Adult installers - 2 minimum

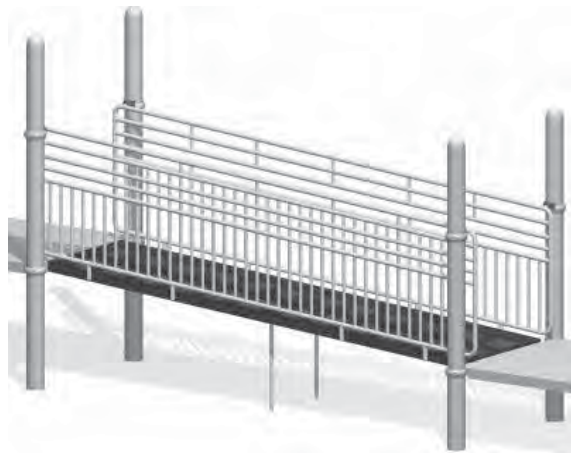
Kids' Choice®

Ramp Deck-To-Deck 12', 1:12 MT II**714-921-9****Ramp Deck-To-Deck 12',
1:12 MT II**

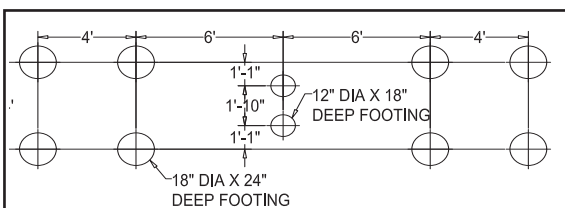
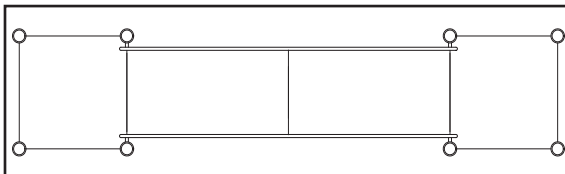
Top View



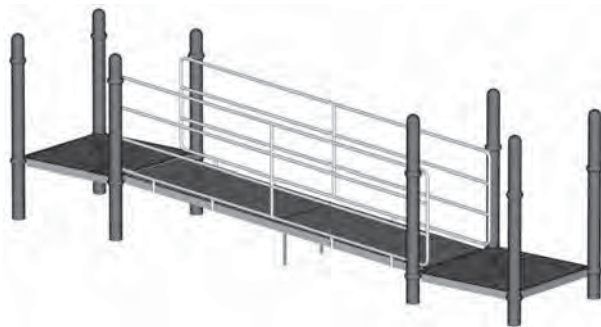
Footing Layout

**714-921-59****Ramp Deck-To-Deck 12',
1:12 OPN HNDRL MT II**

Top View



Footing Layout



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Ramp Deck-To-Deck 12', 1:12 MT II

STEP 1 INSTALL DECK SYSTEM

- 1a. Install two (2) deck system, per separate instructions, with 1' difference in height and spaced 12' apart, post center-to-post center. Plumb, level and brace in position.

Note: Do not pour concrete for footings or permanently secure clamps to posts with self-drilling screws until components illustrated in this installation guide have been installed per instructions

STEP 2 DIG FOOTINGS FOR RAMP LEGS

- 2a. Dig footings per *Footing Layouts*, Construction Drawings and *Footing Details* installation located behind *Installations 101* in Installation Manual.

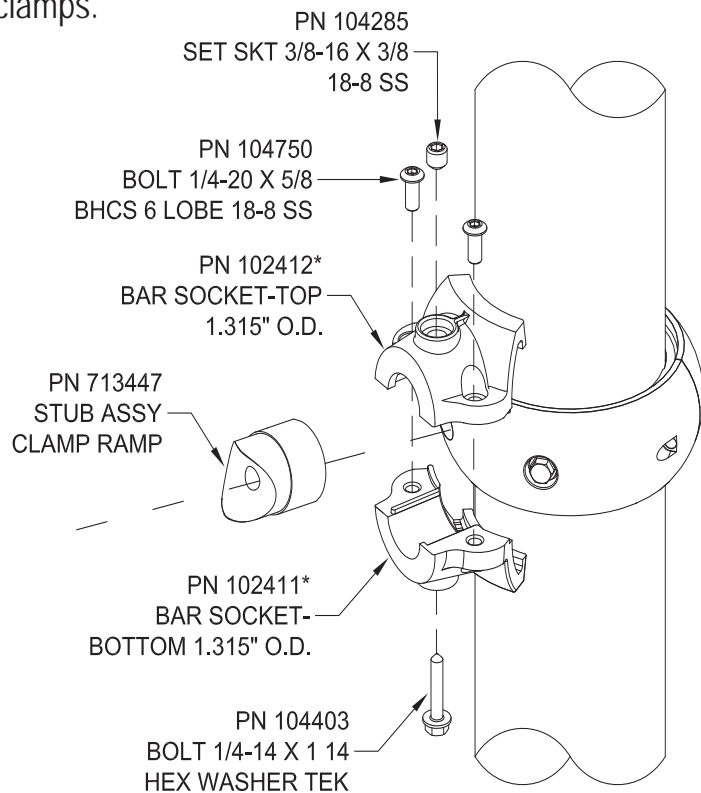
Note: Do not pour concrete for footings at this time.

STEP 3 LOOSELY ASSEMBLE CLAMPS TO POSTS

- 3a. Refer to *Versalok Fastening System* installation.

- 3b. Loosely assemble clamp rings around posts so that bottom edge of each is **37-3/8"** from top edge of deck-supporting clamps.

Loosely assemble clamp rings around posts so that bottom edge of each is **37-3/8"** from top edge of deck-supporting clamps. Loosely assemble bar sockets to clamps; insert plug (PN 713447) into bar socket with coped end facing outward. Tighten rings but do not yet permanently secure with self-drilling screws.

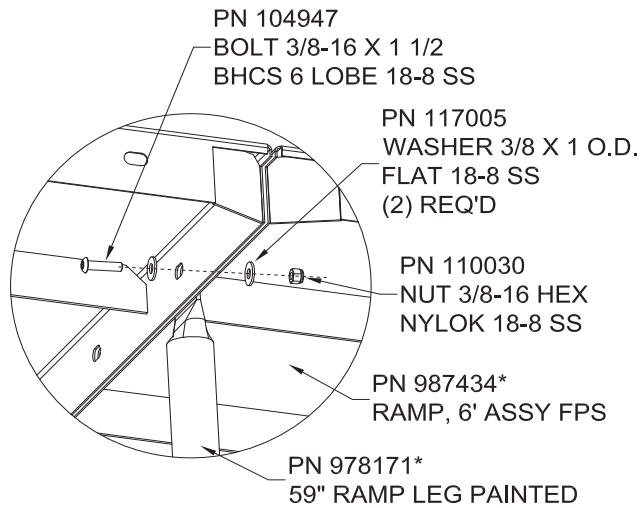


Kids' Choice®

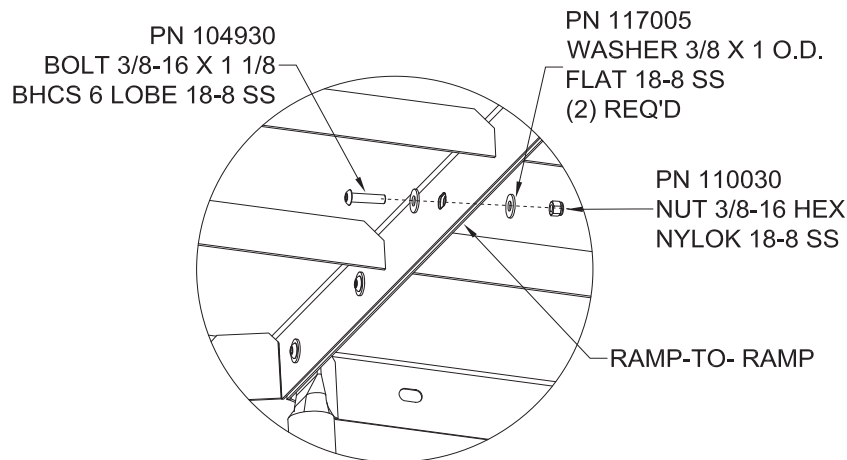
Ramp Deck-To-Deck 12', 1:12 MT II**STEP 4 ATTACH LEGS TO RAMP SECTIONS**

4a. Lay out ramp sections; each ramp section is labeled "top" and "bottom". The "top" end of one (1) ramp will attach to the highest deck; the "bottom" end of the second deck will attach to the lowest deck. Use a drill to remove excess PVC from mating holes. Attach legs as shown.

Note: View is looking on underneath side of ramps and first bolt holes from ends.

**STEP 5 RAMP-TO-RAMP ATTACHMENT**

5a. Place ramps on a smooth level surface and attach, as shown below, in two (2) remaining holes.

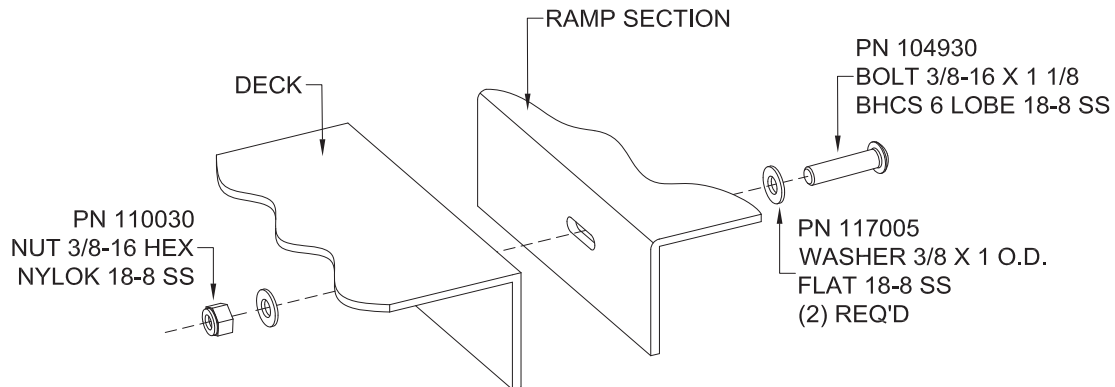


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Ramp Deck-To-Deck 12', 1:12 MT II

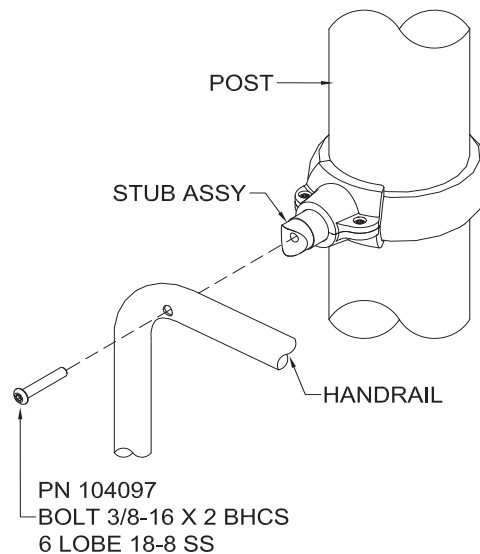
STEP 6 ATTACH RAMPS TO DECKS

6a. Set ramps upright, with "top" ramp at highest deck and "bottom" ramp at lowest deck; drop legs into footing holes; brace ramps against decks ensuring they are flush and level; attach in four (4) places.



STEP 7 ATTACH HANDRAILS TO POSTS

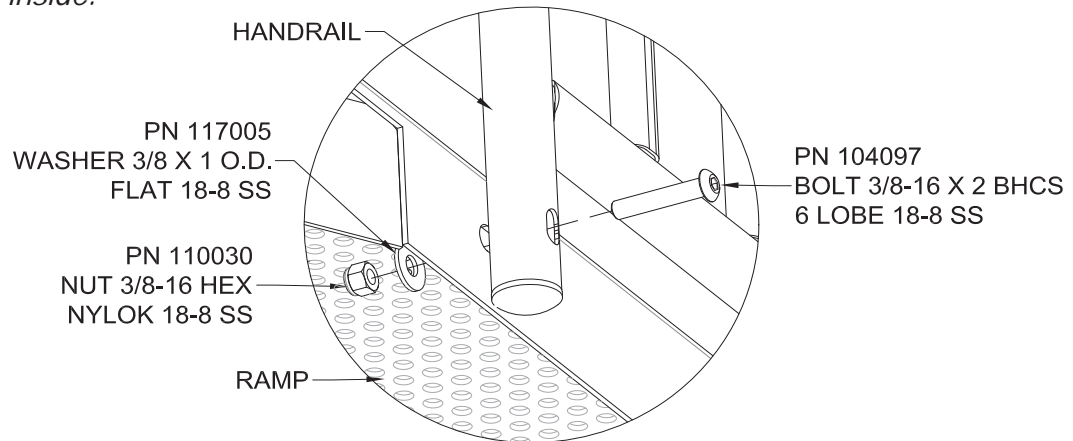
Note: Re-position upper clamps, as needed; secure handrails, per model, in bar sockets with set screws in top half and TEK screws (when needed) in bottom half. Complete the installation on one (1) handrail before moving to the next one.



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Ramp Deck-To-Deck 12', 1:12 MT II**STEP 8 ATTACH HANDRAILS TO RAMPS**

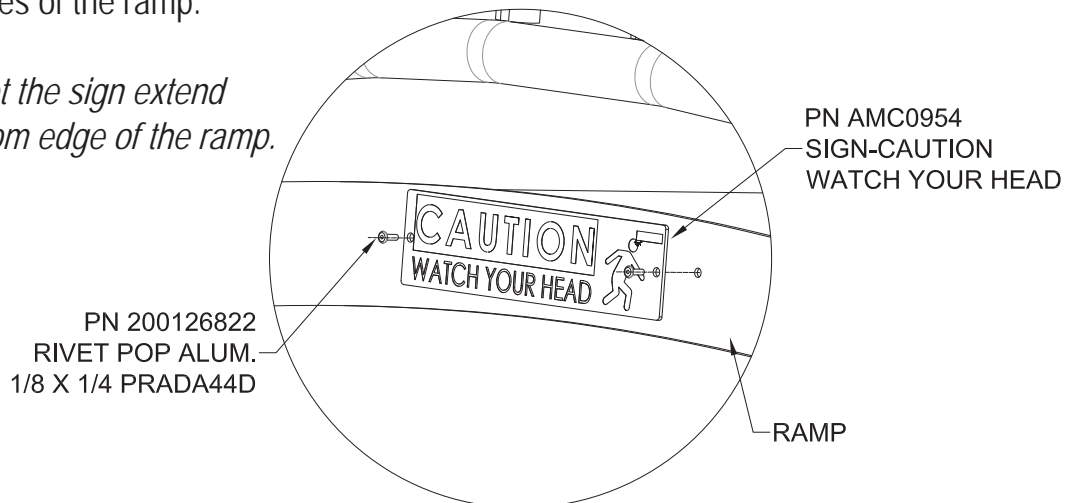
Note: There are both left and right enclosures, ensure that the spoked enclosure handrail is always to the inside.

**STEP 9 ATTACH CAUTION SIGN TO RAMP**

9a. Locate the *most likely* path for a user to take underneath the ramp and position the sign perpendicular to this path. Make sure the location is readily visible.

9b. Use the sign as a template to mark where to drill the two (2) holes on both sides of the ramp; drill the two (2) holes using a 1/8" bit. Install the sign, as shown below, on both sides of the ramp.

Note: Do not let the sign extend below the bottom edge of the ramp.

**FINAL STEP**

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.



Installation Guide

Mar. 26, 2002 Rev. B

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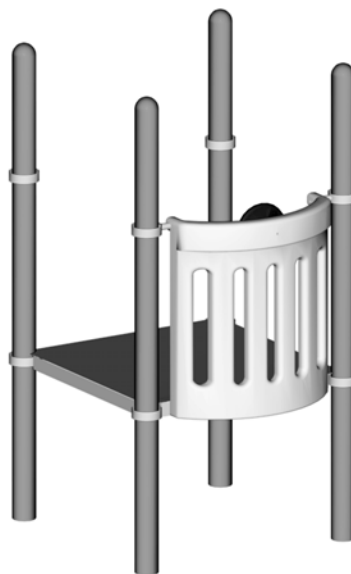
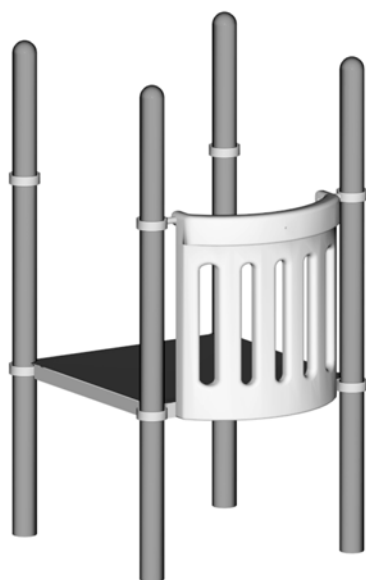
Lookout Tower and **Command Post** with Steering Wheel

Deck system not included in these assemblies.

714-992-2 and **714-992-26**

Lookout Tower

Command Post with Steering Wheel

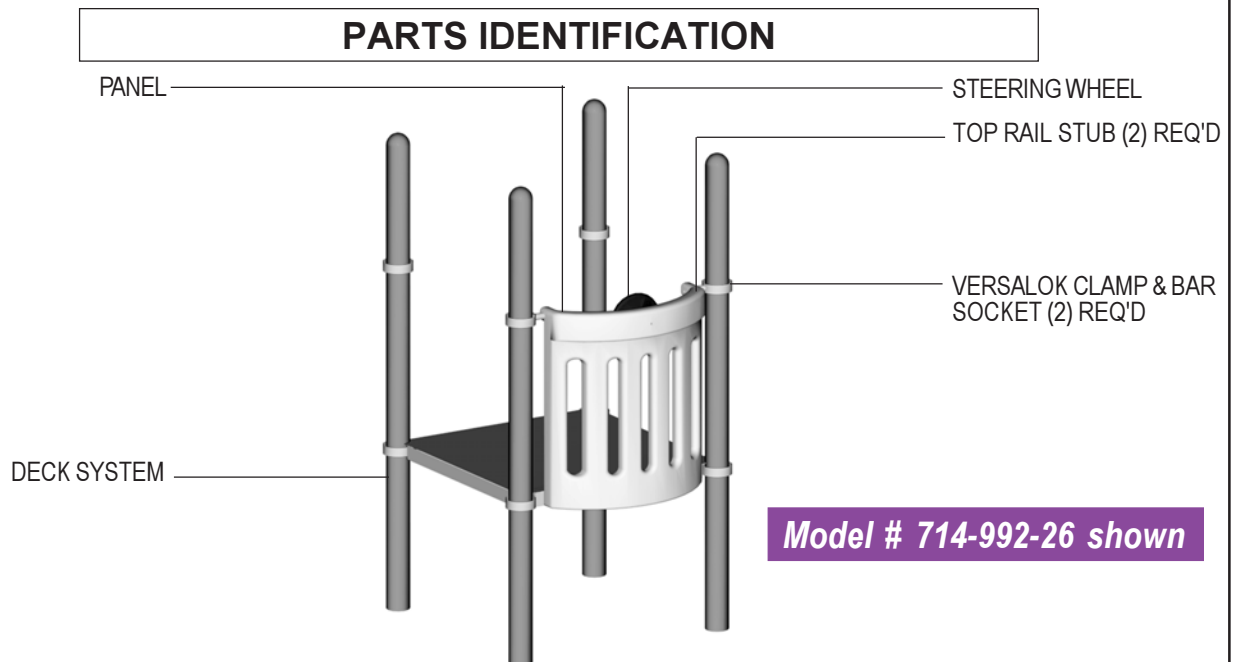


Top Views and Footing Layouts not shown. Refer to Construction Drawings or Deck system Installation Guide.

Lookout Tower and Command Post

714-992-2, 714-992-26

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Lookout Tower and **Command Post** with Steering Wheel



RECOMMENDED ASSEMBLY SEQUENCE

1. Deck system (per separate instructions)
2. Bar Sockets to Clamps, Clamps loosely to Posts
3. Panel to Deck
4. Top Rail Stubs into Panel, into Bar Sockets on Clamps
5. Final Assembly

TOOLS AND EQUIPMENT REQUIRED

Also see 'Suggested Tools & Equipment' (Doc. # D70052) in "Installations 101"

1. Tape measure and level
2. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
3. Drill motor, various bits, extension cords, power supply
4. Step ladder
5. Adult installers - 2 minimum



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Lookout Tower and **Command Post** with Steering Wheel

Mar. 26, 2002 Rev. B

STEP 1

Read **Safety Brochure 100, Important Notes**, these instructions, and other enclosed materials. Unpack, count, and become familiar with system components and hardware.

STEP 2

Install Deck system per separate instructions. Plumb, level, and brace in position.

Note: Do not pour concrete for Footings, or secure Clamps to Posts with self-drilling screws, until all components in playsystem have been installed per instructions and braced in position level and plumb.

STEP 3

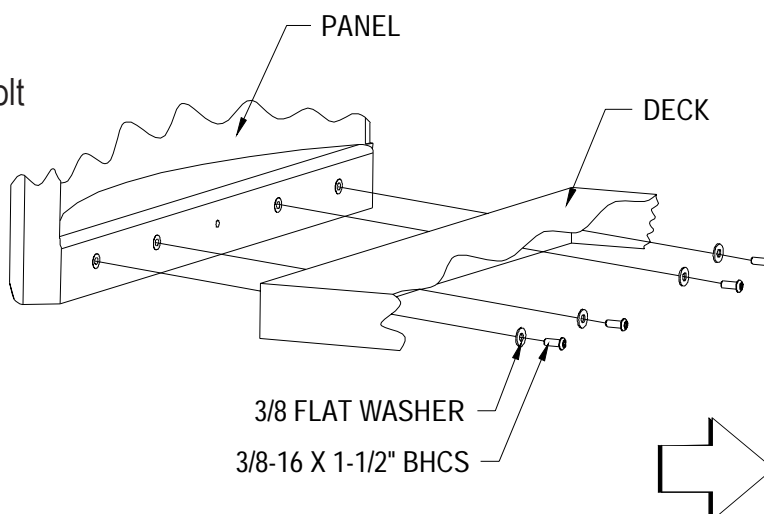
Refer to **Versalok Fastening System** installation. Loosely bolt Clamp Rings together around Posts so that bottom edge of each is **37-3/8"** from top edge of Deck-supporting Clamps. Assemble Bar Sockets loosely to each Clamp.

STEP 4

Mate four (4) threaded inserts in Panel with holes in Deck face. Use drill to ream excess PVC from only those holes in Deck.

STEP 5

Position Panel against Deck and bolt together as shown. Do not yet fully tighten bolts.



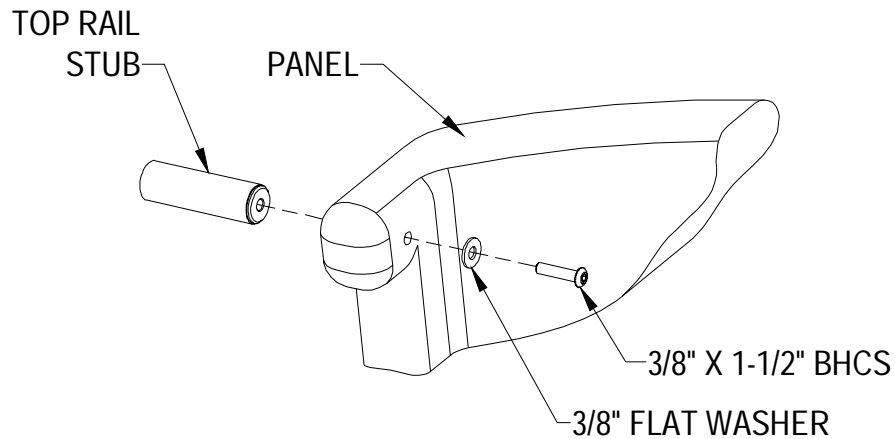
Lookout Tower and Command Post

714-992-2, 714-992-26

Kids' Choice®
Lookout Tower and **Command Post** with Steering Wheel

STEP 6

Refer to **Versalok Fastening System** installation. Place Top Rail Stubs into Panel and secure as shown, and into Bar Sockets on Clamps. Tighten Top Rail Stubs in Sockets, Sockets to Clamps, and Clamps to Posts. Tighten bolts which secure Panel to Deck.



FINAL STEP

Proceed with **Final Assembly** installation.



Installation Guide

June 4, 2001 Rev. C

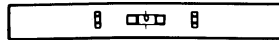
Final Assembly

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Kids' Choice, Tots' Choice, Center Stage, and City Parks Series Deck Systems & Misc.

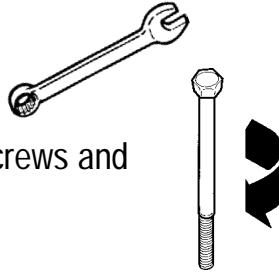
STEP 1

Plumb and level assemblies.



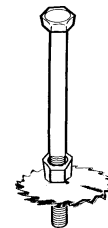
STEP 2

Secure Clamps to Posts with self-drilling screws and tighten all fasteners.



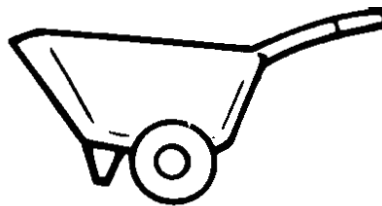
STEP 3

Trim all bolts. No more than two (2) threads may protrude after trimming by installer. Peen ends smooth to touch.



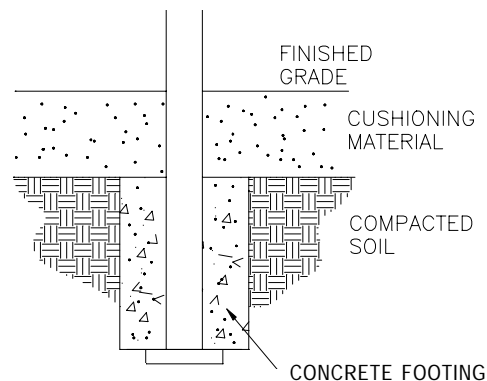
STEP 4

Pour concrete in remaining Footings, and allow 72 hours to cure.



STEP 5

Install cushioning material (protective surfacing) in, around and beneath areas required for unit.



STEP 6

Apply *Warning* and *Manufacturer's I.D.* labels, and *Age Appropriate* labels if included. Refer to **Installations 101**.

FINAL STEP

Establish and adhere to a regular maintenance schedule, checking for loose or missing bolts, worn parts, etc.



Final Assembly

714, 718, ...

Risk Management Sign

IMPORTANT! The Risk Management Sign is to be installed outside the defined play area and play equipment use zones. It needs to be oriented so that the front side faces the main entrance to the playground and next to but not interfering with the accessible route that leads to the play space.

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>
787	Risk Management Sign - English
787FR	Risk Management Sign - French
787FRENG	Risk Management Sign - French/English
787SP	Risk Management Sign - Spanish
787BD	Risk Management Sign - English Surface MT
787BDFR	Risk Management Sign - French Surface MT
787BDFRENG	Risk Management Sign - French/English SM
787BDSP	Risk Management Sign - Spanish Surface MT



Note:

- *English version shown.*
- *An (*) by part numbers indicate: Color Code Required.*

Risk Management Sign

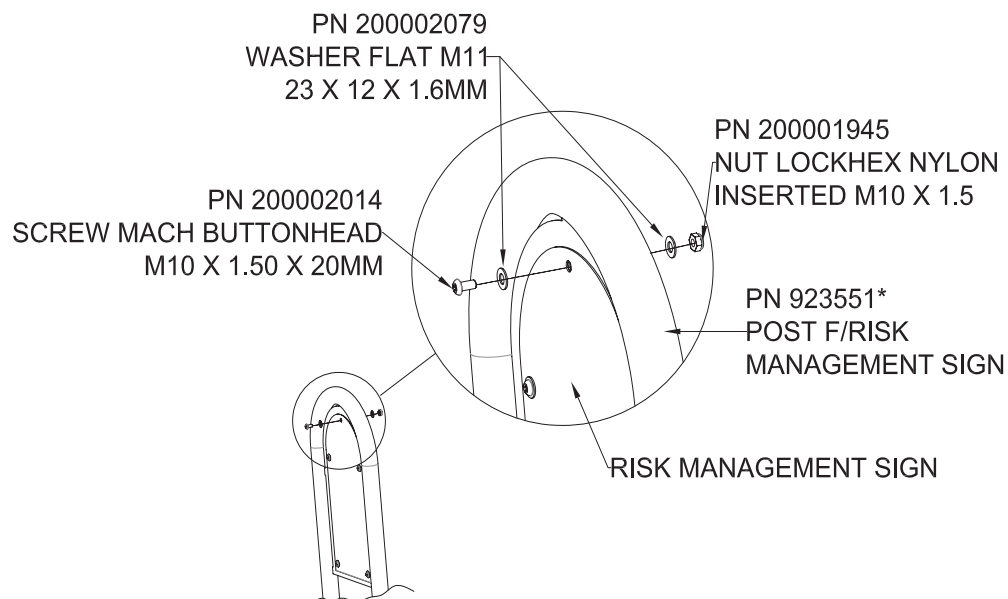
STEP 1 ATTACH AGE-APPROPRIATE STICKER

1a. Attach age-appropriate sticker to sign, in location, as shown below.



STEP 2 ATTACH SIGN TO POST FRAME

2a. Attach sign as shown below, in five (5) locations.

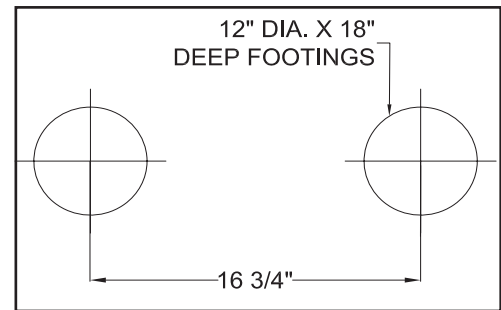


Risk Management Sign

STEP 3 DIG FOOTINGS

3a. Dig footings per *Footings Layouts*, *Construction Drawings*, and *Footings Details* installation.

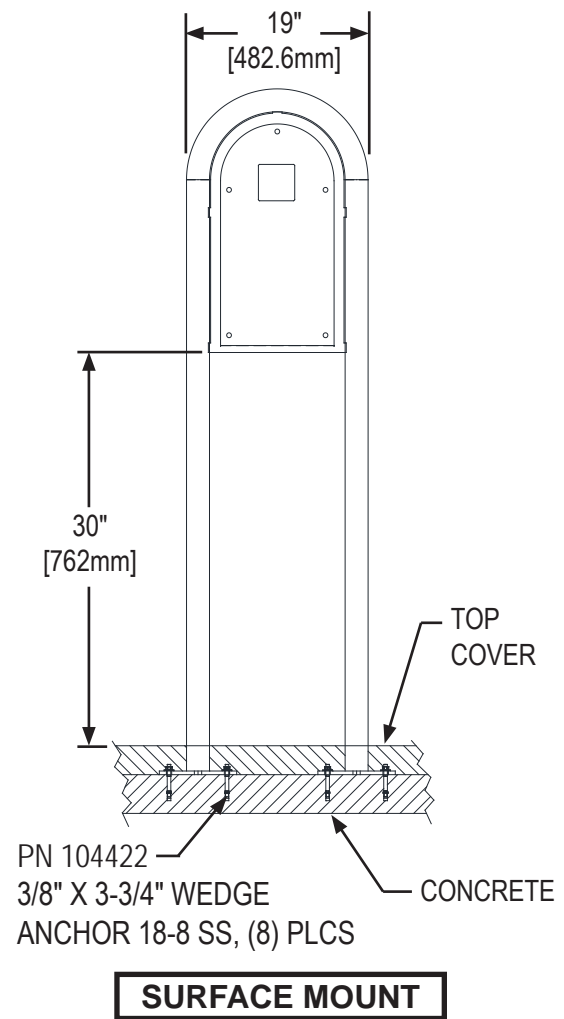
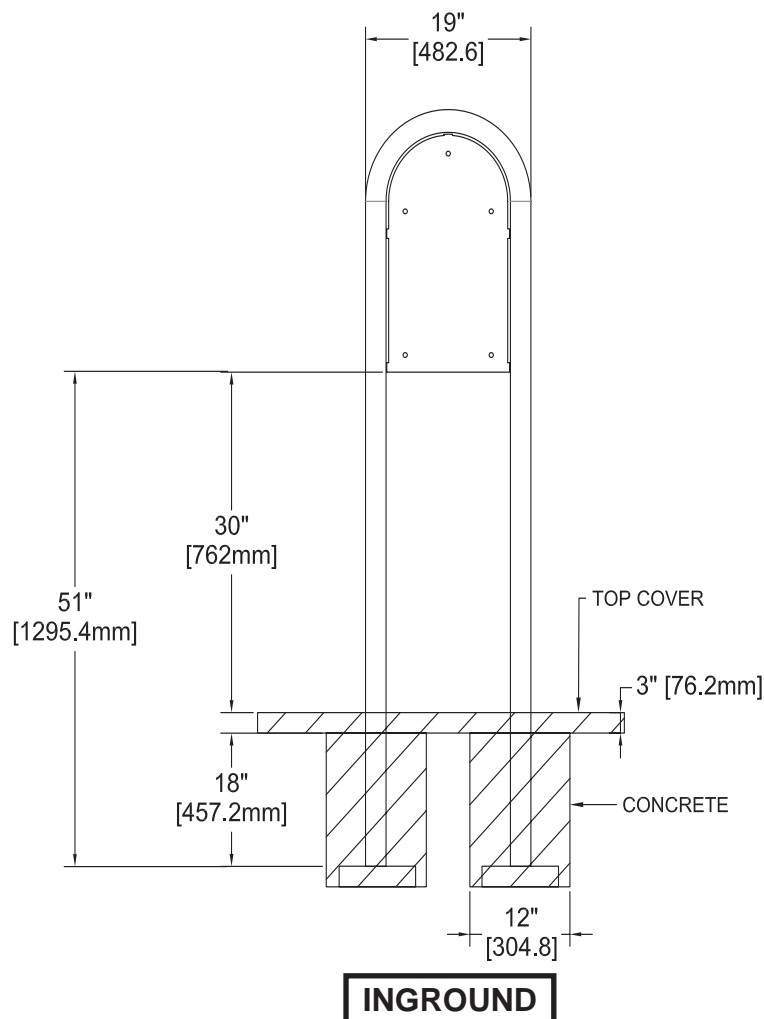
Note: Do not pour concrete for footings until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.



STEP 4 SET SIGN IN FOOTINGS - OUTSIDE PLAY AREA

4a. For inground footings, place a brick in the bottom of each hole so the sign will rest on the brick when inserted.

4b. For inground footings, set risk management sign in footings per *Construction Drawings*; pour concrete; plumb the sign in the footings; and brace in position until concrete is cured. For surface mount footings, move sign into position and attach to concrete with wedge anchors.



Risk Management Sign

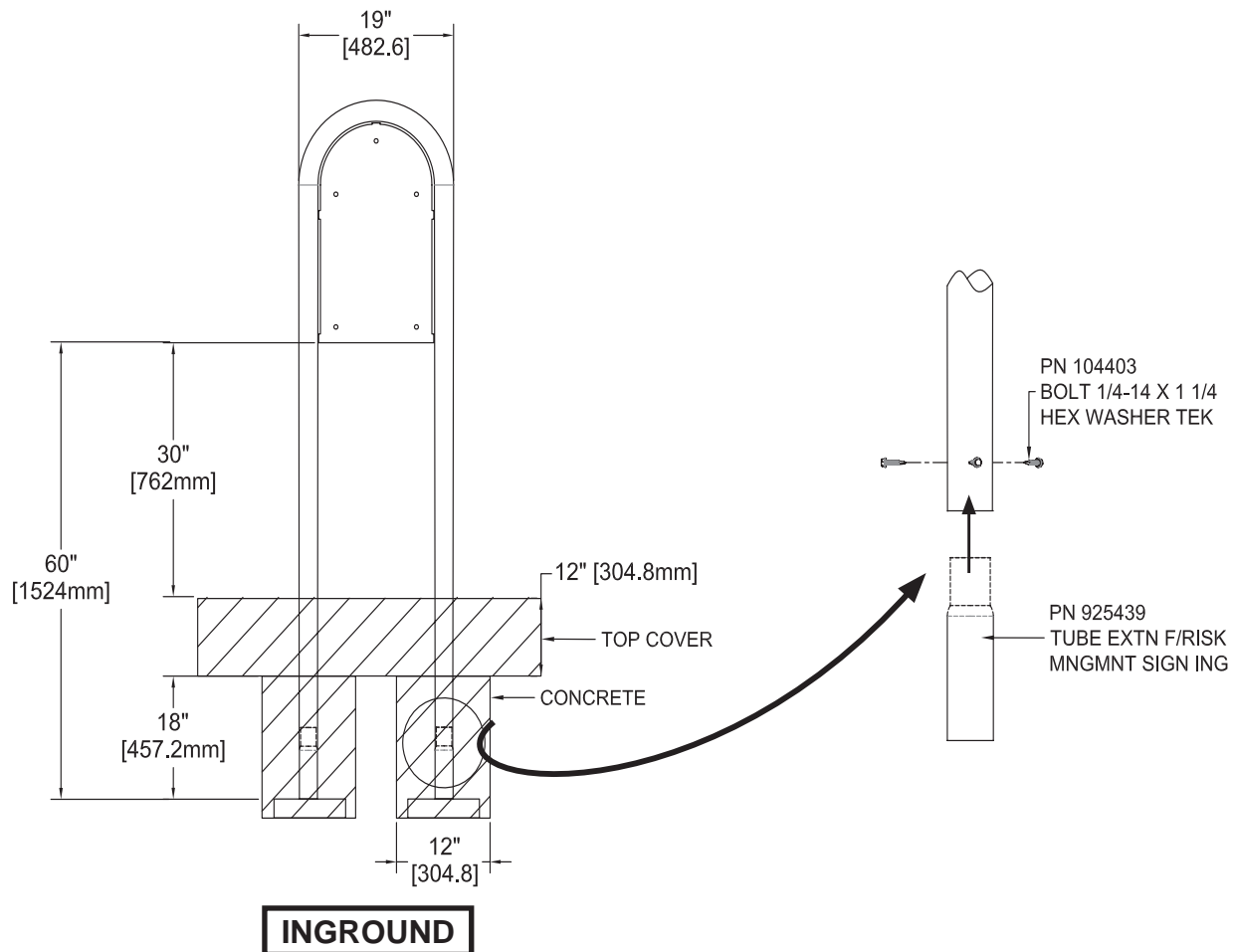
STEP 5 SET SIGN IN FOOTINGS - INSIDE PLAY AREA

5a. For inground footings, place a brick in the bottom of each hole so the sign will rest on the brick when inserted.

5b. For inground footings, insert the 10" tube extension into the risk management sign; use a rubber mallet, if needed, to swage the extensions for a tight fit; secure with Tek screws.

5c. For inground footings, set the sign in the footings per Construction Drawings and pour concrete; plumb sign in footings and brace in position until concrete is cured.

5d. For surface mount footings, move sign into position and attach to concrete with wedge anchors.



FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

Risk Management Sign

<i>Bill of Materials</i>		
787 RISK MANAGEMENT SIGN - ENGLISH		
CODE	DESCRIPTION	QTY
923551*	POST F/RISK MANAGEMENT SIGN	1
923560	PC F/787 RISK MNGMT ENGLISH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
925441	PARTS CARTON RISK MNGMNT SIGN EXTN	1
787FR RISK MANAGEMENT SIGN - FRENCH		
CODE	DESCRIPTION	QTY
923551*	POST F/RISK MANAGEMENT SIGN	1
923558	PC F/787FR RISK MNGMT FRENCH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
925441	PARTS CARTON RISK MNGMNT SIGN EXTN	1
787FRENG RISK MANAGEMENT SIGN - FRENCH/ENGLISH		
CODE	DESCRIPTION	QTY
923551*	POST F/RISK MANAGEMENT SIGN	1
926430	PC F/787FRENG RISK MNGMT FRENCH/ENGLISH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
925441	PARTS CARTON RISK MNGMNT SIGN EXTN	1
787SP RISK MANAGEMENT SIGN - SPANISH		
CODE	DESCRIPTION	QTY
923551*	POST F/RISK MANAGEMENT SIGN	1
923559	PC F/787SP RISK MNGMT SPANISH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
925441	PARTS CARTON RISK MNGMNT SIGN EXTN	1
787BD RISK MANAGEMENT SIGN - ENGLISH SURFACE MT		
CODE	DESCRIPTION	QTY
924562*	POST F/RISK MANAGEMENT SIGN BD	1
923560	PC F/787 RISK MNGMT ENGLISH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
HW985850-1	HRDW PKG BOLT DOWN POST S1/1	2
104422	3/8" X 3-3/4" WEDGE ANCHOR 18-8 SS	8

Risk Management Sign

787, 787FR, 787FRENG, 787SP, 787BD, 787BDFR, 787BDFRENG, 787BDSP

Risk Management Sign

<i>Bill of Materials (continued)</i>		
787BDFR RISK MANAGEMENT SIGN - FRENCH SURFACE MT		
CODE	DESCRIPTION	QTY
924562*	POST F/RISK MANAGEMENT SIGN BD	1
923558	PC F/787FR RISK MNGMT FRENCH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
HW985850-1	HRDW PKG BOLT DOWN POST S1/1	2
104422	3/8" X 3-3/4" WEDGE ANCHOR 18-8 SS	8
787BDFRENG RISK MANAGEMENT SIGN - FRENCH/ENGLISH SM		
CODE	DESCRIPTION	QTY
924562*	POST F/RISK MANAGEMENT SIGN BD	1
926430	PC F/787FRENG RISK MNGMT FRENCH/ENGLISH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
HW985850-1	HRDW PKG BOLT DOWN POST S1/1	2
104422	3/8" X 3-3/4" WEDGE ANCHOR 18-8 SS	8
787BDSP RISK MANAGEMENT SIGN - SPANISH SURFACE MT		
CODE	DESCRIPTION	QTY
924562*	POST F/RISK MANAGEMENT SIGN BD	1
923559	PC F/787SP RISK MNGMT SPANISH	1
HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1	1
HW985850-1	HRDW PKG BOLT DOWN POST S1/1	2
104422	3/8" X 3-3/4" WEDGE ANCHOR 18-8 SS	8

Risk Management Sign

<i>Bill of Materials (continued)</i>		
923560 PC F/787 RISK MNGMT ENGLISH		
CODE	DESCRIPTION	QTY
923287	RISK MNGT SIGN PRINTED ENGLISH	1
923558 PC F/787FR RISK MNGMT FRENCH		
CODE	DESCRIPTION	QTY
923288	RISK MNGT SIGN PRINTED FRENCH	1
926430 PC F/787FRENG RISK MNGMT FRENCH/ENGLISH		
CODE	DESCRIPTION	QTY
925591	RISK MNGT SIGN PRINTED FRENCH/ENGLISH	1
923559 PC F/787SP RISK MNGMT SPANISH		
CODE	DESCRIPTION	QTY
923289	RISK MNGT SIGN PRINTED SPANISH	1
HW923551-1 HRDW PKG RISK MANAGEMENT SIGN S1/1		
CODE	DESCRIPTION	QTY
200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM	5
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	10
HWS923551	HARDWARE IMAGE 923551	1
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	5
925441 PARTS CARTON RISK MNGMNT SIGN EXTN		
CODE	DESCRIPTION	QTY
925439	TUBE EXTN F/RISK MNGMNT SIGN ING	2
104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	6
HW985850-1 HRDW PKG BOLT DOWN POST S1/1		
CODE	DESCRIPTION	QTY
110031	NUT 3/8-16 HEX 18-8 SS	4
117005	WASHER 3/8 X 1 O.D. FLAT 18-8 SS	4
117105	WASHER 3/8 INTERNAL TOOTH LOCK 18-8 SS	4

Risk Management Sign

787, 787FR, 787FRENG, 787SP, 787BD, 787BDFR, 787BDFRENG, 787BDSP



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Installation Guide

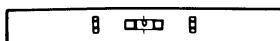
June 4, 2001 Rev. A

Final Assembly

Miscellaneous Freestanding Play Equipment and Non-Play Equipment

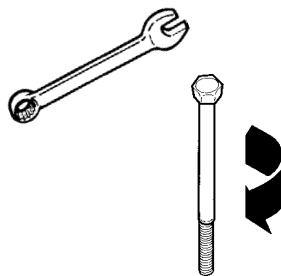
STEP 1

Plumb and level assemblies.



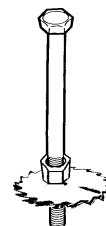
STEP 2

Tighten all fasteners.



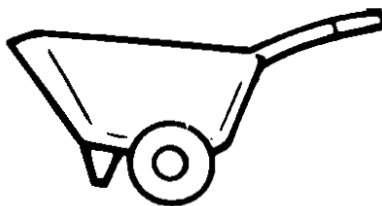
STEP 3

Trim all bolts. No more than two (2) threads may protrude after trimming by installer. Peen ends smooth to touch.



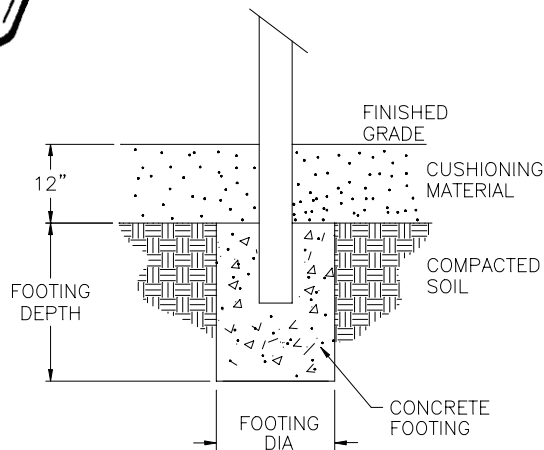
STEP 4

Pour concrete in remaining Footings, and allow 72 hours to cure.



STEP 5

If applicable, install cushioning material (protective surfacing) in, around, and beneath areas required for unit.



STEP 6

If applicable, apply *Age Appropriate*, *Warning*, and *Manufacturer's I.D.* labels. Refer to *Installations 101*.

FINAL STEP

Establish and adhere to a regular maintenance schedule, checking for loose or missing bolts, worn parts, etc.



Final Assembly

Freestanding Play and Non-Play Equipment