

BID OF _____

2012

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

CHEROKEE PARK PLAYGROUND IMPROVEMENTS

CONTRACT NO. 6864

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON _____

PLEASE RETURN PLANS AND SPECIFICATIONS TO:

**CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713**

www.cityofmadison.com/business/pw

**CHEROKEE PARK PLAYGROUND IMPROVEMENTS
CONTRACT NO. 6864**

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This Proposal, and Agreement have
been prepared by:

**CITY PARKS DIVISION
CITY OF MADISON
MADISON, DANE COUNTY, WISCONSIN**



Kevin Briski – Park Superintendent

SECTION A: ADVERTISEMENT FOR BIDS

REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

A BEST VALUE CONTRACTING MUNICIPALITY

| | |
|---------------------|---------------------------------------|
| CONTRACT NO. | PROJECT NAME: |
| 6864 | Cherokee Park Playground Improvements |

Plans and Specifications are available at 1600 Emil Street, Madison, WI 53713; 608-267-1197 or on our website at www.cityofmadison.com/business/pw/contracts/openforBid.cfm.

PREQUALIFICATIONS

Bidders who have not been prequalified by the City Engineer and Affirmative Action Director for the period of **February 1, 2012 to January 31, 2013** must submit their application on or before 1:00 p.m., 9 March, 2012, Room 115, City-County Building, Madison, WI 53703. Postmark is not applicable. Contractors be prequalified by the City Engineer including an affirmative action plan approved by the Affirmative Action Director prior to the bid opening or the bid will be rejected. Forms are available at the same location or on our website at www.cityofmadison.com/business/pw/forms.cfm.

OTHER REQUIREMENTS

Sealed bids must be accompanied with a Bid Bond equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer.

Prevailing Wage Rates may be required and are attached in Section I of the contract. See Special Provisions to determine applicability.

Deadline for the Submittal of Bid is 16 March, 2012 by 1:00 PM, at 1600 Emil Street, Madison, WI 53713.

Bid Opening will be on 16 March at 1:30 PM at 1600 Emil Street, Madison, WI 53713.

REQUEST FOR BIDS FOR PUBLIC WORKS CONSTRUCTION FOR THE CITY OF MADISON, WISCONSIN

A BEST VALUE CONTRACTING MUNICIPALITY

Plans and Specifications for Public Works Projects that are open for bid are available on the City of Madison website at <http://www.cityofmadison.com/business/PW/contracts/openforBid.cfm> or by calling City Engineering at 608-266-4751.

Sealed bids must be accompanied with a Bid Bond equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer.

Prevailing Wage Rates may be required and are attached in Section I of the contract. See Special Provisions to determine applicability.

Bidders must be prequalified with the City Engineer and the Affirmative Action Director. Deadline date for submittal of application is noticed on our website. Forms are available on the web at <http://www.cityofmadison.com/business/pw/forms.cfm> or by contacting City Engineering at 608-266-4620

Publ. WSJ 3/2/2012, 3/9/2012

SECTION B: INSTRUCTIONS TO BIDDERS

The City of Madison Standard Specifications for Public Works Construction - 2012 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website at www.cityofmadison.com/Business/PW/specs.cfm or by contacting City Engineering Division, Room 115, City-County Building, 210 Martin Luther King Jr. Blvd., Madison, WI 53703.

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102 **"BIDDING REQUIREMENTS AND CONDITIONS"** and Article 103 **"AWARD AND EXECUTION OF THE CONTRACT."** For the convenience of the bidder, below are highlights of three subsections of the specifications.

Section 102.1: Pre-Qualification of Bidders

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a)l. of the Madison General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms. The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the Madison General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

Section 102.4: Proposals

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of

Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an

Building Demolition

- | | |
|---|--|
| 101 <input type="checkbox"/> Asbestos Removal | 110 <input type="checkbox"/> Building Demolition |
| 120 <input type="checkbox"/> House Mover | |

Street, Utility and Site Construction

- | | |
|---|---|
| 201 <input type="checkbox"/> Asphalt Paving | 265 <input type="checkbox"/> Retaining Walls, Precast Modular Units |
| 205 <input type="checkbox"/> Blasting | 270 <input type="checkbox"/> Retaining Walls, Reinforced concrete |
| 210 <input type="checkbox"/> Boring/Pipe Jacking | 275 <input type="checkbox"/> Sanitary, Storm Sewer & Water Main Const. |
| 215 <input type="checkbox"/> Concrete Paving | 280 <input type="checkbox"/> Sewer Lateral Drain Cleaning/Internal TV Insp. |
| 220 <input type="checkbox"/> Con. Sidewalk/Curb & Gutter/Misc. Concrete Work | 285 <input type="checkbox"/> Sewer Lining |
| 221 <input type="checkbox"/> Concrete Bases and Other Concrete Work | 290 <input type="checkbox"/> Sewer Pipe Bursting |
| 225 <input type="checkbox"/> Dredging | 295 <input type="checkbox"/> Soil Borings |
| 230 <input type="checkbox"/> Fencing | 300 <input type="checkbox"/> Soil Nailing |
| 235 <input type="checkbox"/> Fiber Optic Cable/Conduit Installation | 305 <input type="checkbox"/> Storm & Sanitary Sewer Laterals & Water Svc. |
| 240 <input checked="" type="checkbox"/> Grading and Earthwork | 310 <input type="checkbox"/> Street Construction |
| 242 <input type="checkbox"/> Infrared Seamless Patching | 315 <input type="checkbox"/> Street Lighting |
| 245 <input type="checkbox"/> Landscaping, Maintenance | 318 <input type="checkbox"/> Tennis Court Resurfacing |
| 250 <input checked="" type="checkbox"/> Landscaping, Site and Street | 330 <input type="checkbox"/> Traffic Control During Construction |
| 251 <input type="checkbox"/> Parking Ramp Maintenance | 320 <input type="checkbox"/> Traffic Signals |
| 255 <input type="checkbox"/> Pavement Sealcoating and Crack Sealing | 325 <input type="checkbox"/> Traffic Signing & Marking |
| 260 <input type="checkbox"/> Petroleum Above/Below Ground Storage Tank Removal/Installation | 335 <input type="checkbox"/> Trucking |
| | 399 <input checked="" type="checkbox"/> Other <u>Playground Installer</u> |

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

- | | |
|--|---|
| 401 <input type="checkbox"/> Floor Covering (including carpet, ceramic tile installation, rubber, VCT) | 435 <input type="checkbox"/> Masonry |
| 402 <input type="checkbox"/> Building Automation Systems | 437 <input type="checkbox"/> Metals |
| 403 <input type="checkbox"/> Concrete | 440 <input type="checkbox"/> Painting and Wallcovering |
| 404 <input type="checkbox"/> Doors and Windows | 445 <input type="checkbox"/> Plumbing |
| 405 <input type="checkbox"/> Electrical - Power, Lighting & Communications | 450 <input type="checkbox"/> Pump Repair |
| 410 <input type="checkbox"/> Elevator - Lifts | 455 <input type="checkbox"/> Pump Systems |
| 412 <input type="checkbox"/> Fire Suppression | 460 <input type="checkbox"/> Roofing and Moisture Protection |
| 413 <input type="checkbox"/> Furnishings - Furniture and Window Treatments | 461 <input type="checkbox"/> Solar Photovoltaic/Hot Water Systems |
| 415 <input type="checkbox"/> General Building Construction, Equal or Less than \$250,000 | 465 <input type="checkbox"/> Soil/Groundwater Remediation |
| 420 <input type="checkbox"/> General Building Construction, \$250,000 to \$1,500,000 | 466 <input type="checkbox"/> Warning Sirens |
| 425 <input type="checkbox"/> General Building Construction, Over \$1,500,000 | 470 <input type="checkbox"/> Water Supply Elevated Tanks |
| 428 <input type="checkbox"/> Glass and/or Glazing | 475 <input type="checkbox"/> Water Supply Wells |
| 429 <input type="checkbox"/> Hazardous Material Removal | 480 <input type="checkbox"/> Wood, Plastics & Composites-Structural & Architectural |
| 430 <input type="checkbox"/> Heating, Ventilating and Air Conditioning (HVAC) | 499 <input type="checkbox"/> Other _____ |
| 433 <input type="checkbox"/> Insulation - Thermal | |

SECTION C: SBE

**Instructions to Bidders
City of Madison
SBE Program Information**

SBE (Not Applicable)

SECTION D: SPECIAL PROVISIONS

CHEROKEE PARK PLAYGROUND IMPROVEMENTS CONTRACT NO. 6864

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

SECTION 102.10: MINIMUM RATE OF WAGE SCALE

For this project, payment of prevailing wages (white sheet) is not required if either: a single trade accounts for 85% or more of the total labor costs of the project and the bid is less than \$48,000; or no single trade accounts for 85% or more of the total labor costs of the project and the bid is less than \$100,000. For bids not meeting either of these conditions, prevailing wages shall be required.

If required, the wages and benefits paid on the contract shall not be less than those specified in the Prevailing Wage Determination included with these contract documents for the following types of work:

- Building and Heavy Construction
- Sewer, Water, and Tunnel Construction
- Local Street and Miscellaneous Paving Operations
- Residential and Agricultural Construction

All bidders are notified that all labor employed on City contracts must be paid in accordance with the minimum rate of wage scale included in the Contract Documents.

For the information of the employees working on the project, a copy of the wage scale included in the contract documents and the provisions of Section 66.0903(8) of the Wisconsin Statutes shall be kept posted by the employer and in at least one conspicuous and easily accessible place at the site of the project.

The Contractor shall keep weekly payroll records setting forth the name, address, telephone number, classification, wage rate and fringe benefit package of each employee who worked on such City project and all other projects the employee worked in the same period, and the Contractor must keep records of the individual time each employee worked on the project and for each day of the project. Such records shall also set forth the total number of hours of overtime credited to each such employee for each day and week and the amount of overtime pay received in that week. Such records shall, in addition, set forth the full weekly wages earned by each such employee and the actual hourly wage paid to that employee. The Contractor shall submit payroll records to the Engineer every week for those periods when work is being done on the project. Said submittal shall be within twenty-one (21) calendar days of the end of the Contractor's weekly pay period.

The Contractor shall ensure that employees shall be paid unconditionally and shall receive the full amounts accrued at the time of payment, computed at rates not less than those stated in the City of Madison "Minimum Rate of Wage Scale" and that each employee's rate shall be determined by the work that is done within the trade or occupation classification which should be properly assigned to such employee. Questions regarding an employee's classification or rate of pay within that classification, shall

Special Provisions

CHEROKEE PARK PLAYGROUND IMPROVEMENTS

ARTICLE 109.2: PROSECUTION OF THE WORK

Work cannot start on this contract until after the "Start to Work" letter has been received.

The Cherokee Park construction shall occur in late spring 2012 and be completed by June 29th, 2012. All site work shall be installed per the special provisions of this contract, the city of Madison Standard Specifications for Public Works Construction and Manufacturer's Installation Specifications.

ARTICLE 109.14: MOBILIZATION

All materials purchased (play equipment, border timbers, and safety surface materials) by the City of Madison will be **ordered for delivery to the Contractor's pre-determined receiving location to be confirmed at the pre-construction meeting. The contractor will provide equipment and labor for off-loading as needed. Contractor shall be responsible to secure all deliveries and insure the completeness of the order prior to installation.** Coordination can be implemented for select playground materials such as the loose-fill rubber; Super Sacks and border timbers will be purchased by the City for contractor coordination and delivery to the site as needed.

Access to construction areas shall be coordinated with the Engineer and shall be established as shortest route and / or least negative impact to prevent damage to turf and planting areas. Workers' cars shall be parked along adjacent streets / roads as permitted and well away from cross-walks into the park.

ARTICLE 201.2 EXCAVATION / STRIP AND PLACE TOPSOIL

The work to be done under this contract consists of furnishing all materials as noted, with labor and equipment to construct a new playground area and will require excavation of topsoil and redistribution of additional topsoil and subsoil materials as required to meet proposed design grades. Construction techniques will take advantage of cut and fill to minimize the need to transport unnecessary quantities of soil. Area designated as stock pile site will be confirmed by the Engineer at the pre-construction meeting. All work will require varying amounts of excavation for playground safety use zones, footings, pathways, and associated site grading as needed. These areas have been calculated by cubic yard; excavation for the pathway is 9 feet in accordance with the *Bike / Path Base Course Detail*.

ARTICLE 201.9 FINISH GRADING

The work to be done under this contract consists of furnishing all materials, labor and equipment necessary to backfill, finish grade and seed all disturbed areas associated with the project construction. Efforts shall be made to minimize detrimental impact to established turf by coordinating and maintaining limited site access and avoid excessive excavations and fills. Finish grading along paths, walkways and playground edge and overall site grading as needed shall feather out to meet existing grades and shall not exceed 1:6 slope unless design grades note otherwise.

ARTICLE 201.3 UNDER DRAIN, 4 INCH, WRAPPED

This work shall include all labor, equipment, materials, and incidentals required to install and connect four-inch perforated pipe under drain, wrapped, including open graded base course and geotextile fabric, in a typical 'Herringbone' pattern as shown on the plans or as directed by the Engineer. Drain pipe shall pitch at a minimum 0.5% slope in a bed of ¾" washed gravel to cover and envelope the pipe a minimum of 3" around and located to intersect a main run that will daylight to a low spot noted on the plan and confirmed in the field. The pipe end will include a secured mitered drain grate; Drain-Tech # 0499MDB or approved equal and be directed to an area determined on-site that will carry water from the play site

BID ITEM 90002 PLAYGROUND SURFACE INSTALLATION

The play area noted for new surface and equipment shall include coordination of delivery, receiving, storage, transportation and distribution and finish grading of accessible loose-fill rubber provided by the City for use in the play area designated. Rubber surface material shall be disbursed evenly to attain a minimum 9" depth throughout the 'Use Zone'. Accessible loose-fill rubber is purchased in 2000 pound 'Super Sacks' and can be coordinated for delivery by the semi-trailer load to the project site. Each load can accommodate approx. 20 bags. Some surface projects will require fewer than, and some more than, a full semi-trailer load; the contractor will be responsible for coordinating re-location of excess or required material as needed to a site determined by Engineer.

BID ITEM 90003 PLAYGROUND INSTALLATION

All play equipment and site amenities installed, including Play structure and play components, swing, benches, and loose-fill safety surface and playground border timbers will be provided by the City and delivered to the contractors site as noted in Article 109.14 above. All installation of equipment shall adhere and conform to the installation specifications as provided by the manufacturer, and will be further inspected by the Company Sales Representative following installation. Installation specifications are provided within this contract book. Actual layout of play system and components to be installed will comply with that shown in the plans and be confirmed in the field with the Engineer. The plan view shown following this section for the site are only intended for use for purchase by the City, and are included along with the installation specifications to assist in the bidding process. The plan set depicts an approximate layout to be confirmed in the field and the complete installation specifications will be included in the shipment of equipment from the vendor.

BID ITEM 90004 CONSTRUCTION FENCING

Temporary construction fencing shall be installed to discourage access to the construction area by the general public during the course of the project. Fencing will be maintained throughout and adjusted or removed at the request of the Engineer.

BID ITEM 90005 BENCH ASSEMBLY AND INSTALLATION

The Park Standard bench will be delivered to Goodman Maintenance Facility for pick-up by the contractor when needed. All traffic thru the facility is between 7:00 a.m. and 2:00 p.m. Contact Donna Storley 24 hours prior to access these materials as needed at 608-267-8808 and to coordinate loading / pick-up. The 'Nature Bench' will be ordered and delivered from the play equipment manufacturer.

Contractor shall assemble bench as per manufacturers specifications included and secure by in-ground footing where noted on the plan using minimum 1/2" stainless steel concrete anchors and bolts as needed.

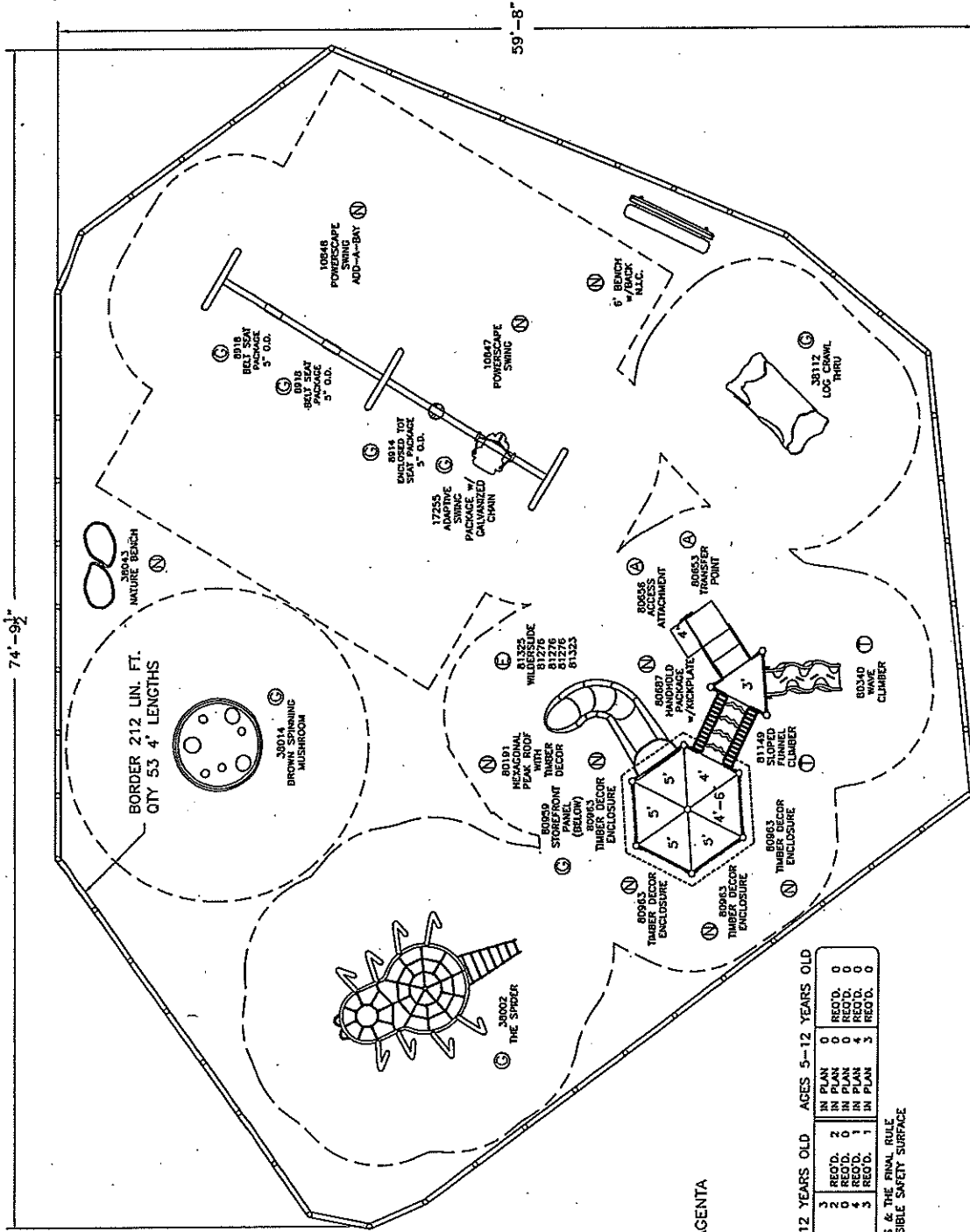
BID ITEM 90006 BORDER TIMBERS FOR PLAYGROUND EDGING

All handling and installations shall be according to manufacturer's specifications for installation and shall be located to allow maximum use zone as needed beyond the equipment and as per plan view.



74'-9 1/2"

59'-8"



- ACCESSIBILITY KEY**
 Ⓜ TRANSFER ACCESSIBLE = BLUE
 Ⓛ GROUND ACCESSIBLE = BROWN
 Ⓧ ELEVATED NOT ACCESSIBLE = MAGENTA
 Ⓝ NON PARTICIPATING = BLACK
 Ⓡ RAMP ACCESSIBLE = RED
 Ⓢ ACCESS ROUTE = GREEN

ADA REQUIREMENTS FOR STRUCTURE AGES 2-12 YEARS OLD AGES 5-12 YEARS OLD

| | AGES 2-12 YEARS OLD | | AGES 5-12 YEARS OLD | |
|--|---------------------|-------|---------------------|-------|
| | IN PLAN | RECD. | IN PLAN | RECD. |
| TOTAL NUMBER OF ELEVATED PLAY COMPONENTS | 3 | 0 | 0 | 0 |
| TOTAL EVENTS ACCESSIBLE VIA TRANSFER | 0 | 0 | 0 | 0 |
| TOTAL ACCESSIBLE GROUND LEVEL EVENTS | 0 | 0 | 0 | 0 |
| SUPPLEMENT TYPES OF GROUND LEVEL EVENTS | 3 | 1 | 3 | 0 |

THIS PLAYGROUND MEETS ALL CURRENT ADA REQUIREMENTS & THE FINAL RULE ABOVE CHART/INFO IS APPLICABLE WHEN USING AN ACCESSIBLE SAFETY SURFACE

Mfg. By:



Sold & Distributed By:



PO Box 27328 - Golden Valley, MN 55427
 763.546.7787 1.800.622.5425
 FAX 763.546.5050
 E-Mail info@mnpwplay.com

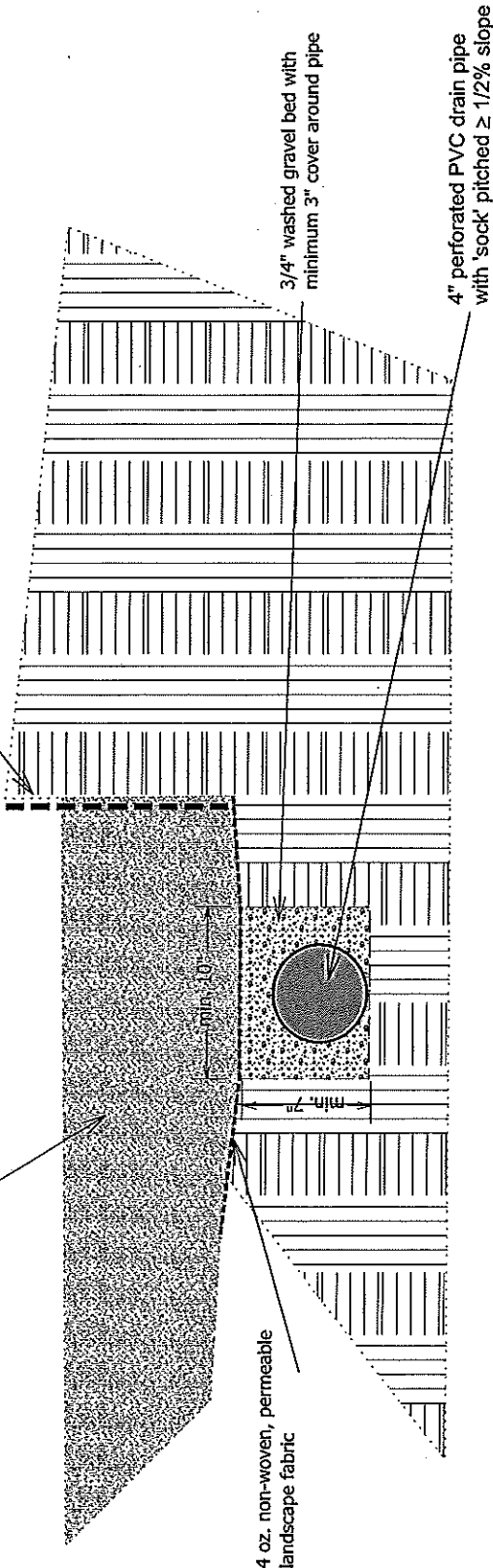
**Cherokee Park
 Madison, WI**

SCALE: 1" = 10'-0"
 DATE: 3/1/12
 DRAWING NO: 05544H5

THIS PRINT IS THE PROPERTY OF MINNESOTA WISCONSIN PLAYGROUND INC. AND IS NOT TO BE USED, COPIED OR REPRODUCED WITHOUT THEIR EXPRESSED WRITTEN PERMISSION.

When specified; install Playground Border edging
as per manufacturers installation specifications

min. 9" Shredded Rubber / Crumb Rubber over
4 oz. non woven, permeable landscape fabric



4 oz. non-woven, permeable
landscape fabric


3/4" washed gravel bed with
minimum 3" cover around pipe


4" perforated PVC drain pipe
with 'sock' pitched $\geq 1/2\%$ slope

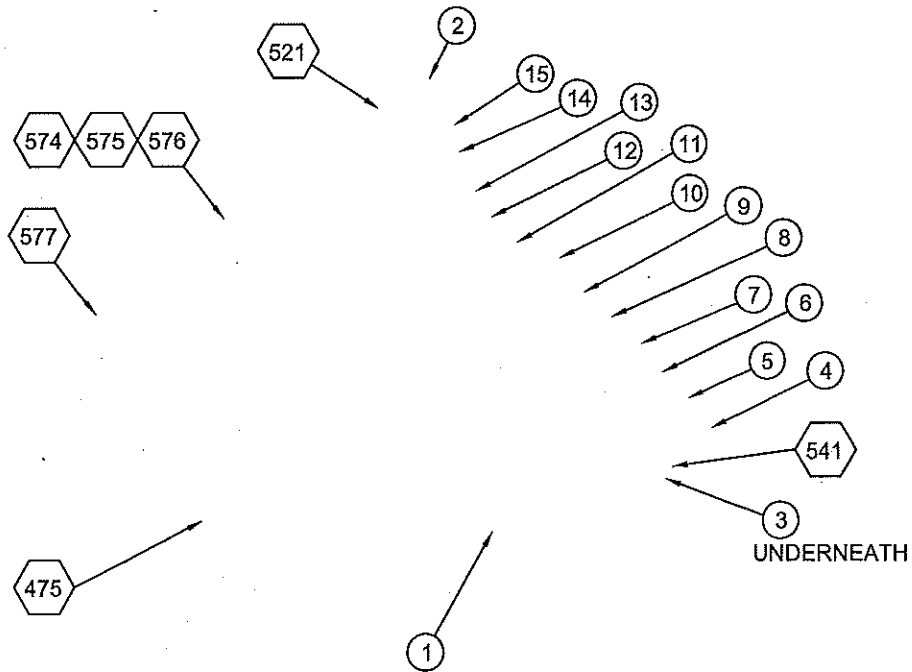
Typical Playground Use Zone with Under Drain - Section

no scale

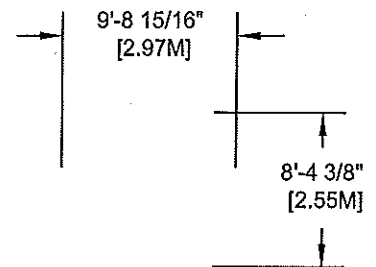
**HEXAGONAL
ROOF**

 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE



ASSEMBLY DRAWING



TOP VIEW

INSTALLATION INSTRUCTIONS

Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.

Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.

Step 1. Attach 3/8" x 1 1/2" P.B.H.C.S. w/Patch to top four holes in all Corner Frames using 3/8" T-nut. T-nuts must be oriented to place flange against frame. See Detail 574. Leave the bottom two holes in each corner frame open. These will be used later.

Step 2. Place Corner Frames over Uprights. Do not rivet until assembly is complete.

Step 3. Place Slats into roof tray, and attach using #10 x 3/4" Phillips screw. Attach the bottom slat to the bottom Roof Tray using 3/8" Tee Nut and 3/8" x 1" P.B.H.C.S. w/Patch. See Detail 541.

Step 4. Attach Roof Tray with Slats assembly to bottom side of Corner Frames using 3/8" Hex Nut, 3/8" Lockwasher and 3/8" Flatwasher to the 3/8" x 1 1/2" P.B.H.C.S. w/Patch screws that were attached during Step 1. Refer to Detail 576.

Step 5. Place 3/8" x 1 1/2" P.B.H.C.S. w/ Patch screws through the remaining bottom holes in the Roof Tray with Slats assembly and corner frames and attach using 3/8" Lockwasher, 3/8" Flatwasher, and 3/8" Hex nut. Refer to Detail 577.

Step 6. Place Cap over roof peak and attach using 1/4" x 3/4" wood screws and 1/4" flat washers. See Detail 521.

Step 7. Rivet Corner Frame to Uprights. See Detail 475.

PARTS LIST

| REF NO. | DESCRIPTION | No. REQ'D | PART NUMBER |
|---------|------------------------------------|-----------|-------------|
| 1 | Hexagonal Roof Corner Frame | 6 | 179483 |
| 2 | Hexagonal Roof Cap | 1 | 179487 |
| 3 | Roof Tray | 6 | 179450 |
| 4 | 56" Roof Slat | 6 | 179457 |
| 5 | 51" Roof Slat | 6 | 179456 |
| 6 | 47" Roof Slat | 6 | 179462 |
| 7 | 42" Roof Slat | 6 | 179461 |
| 8 | 38" Roof Slat | 6 | 179460 |
| 9 | 34" Roof Slat | 6 | 179459 |
| 10 | 29" Roof Slat | 6 | 179463 |
| 11 | 25" Roof Slat | 6 | 179458 |
| 12 | 21" Roof Slat | 6 | 179464 |
| 13 | 16" Roof Slat | 6 | 179447 |
| 14 | 12" Roof Slat | 6 | 179446 |
| 15 | 7" Roof Slat | 6 | 179448 |
| | Hardware Complete | 1 | 179553 |
| | 3/8" x 1 1/2" P.B.H.C.S. w/ Patch | 36 | 812053* |
| | 3/8" x 1" P.B.H.C.S. w/ Patch | 12 | 812050* |
| | 3/8" Lockwasher | 36 | 817334* |
| | 3/8" Tee Nut | 36 | 804556* |
| | 3/8" Hex Nut | 36 | 804053* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 36 | 817424* |
| | Pop Rivet | 12 | 140068* |
| | # 10 x 3/4" Pan Head Phillips Srew | 75 | 809605* |
| | 1/4" Flatwasher | 75 | 817408* |

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

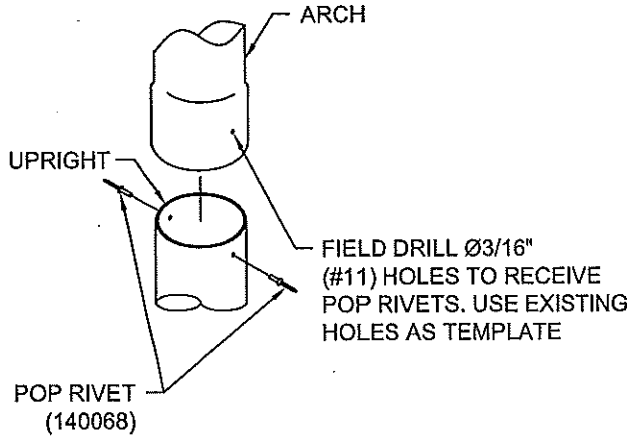
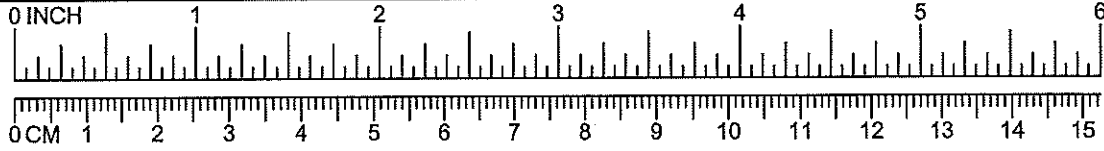
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80191

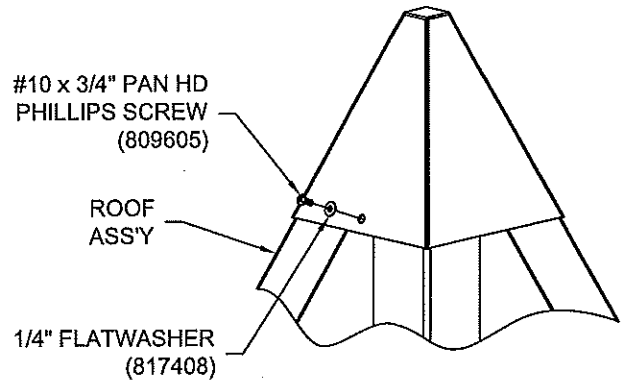
IMPORTANT

To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.

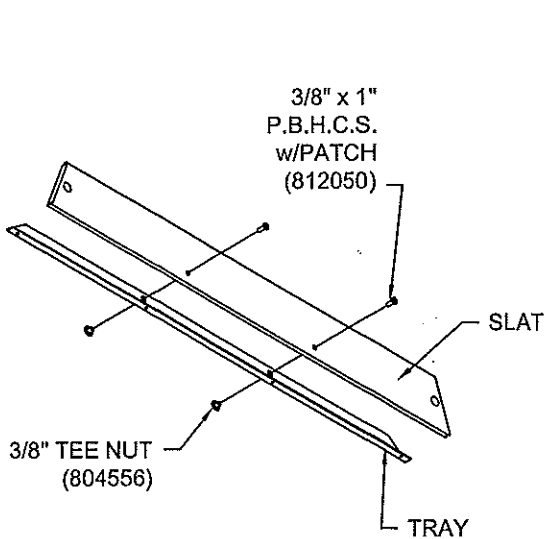
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



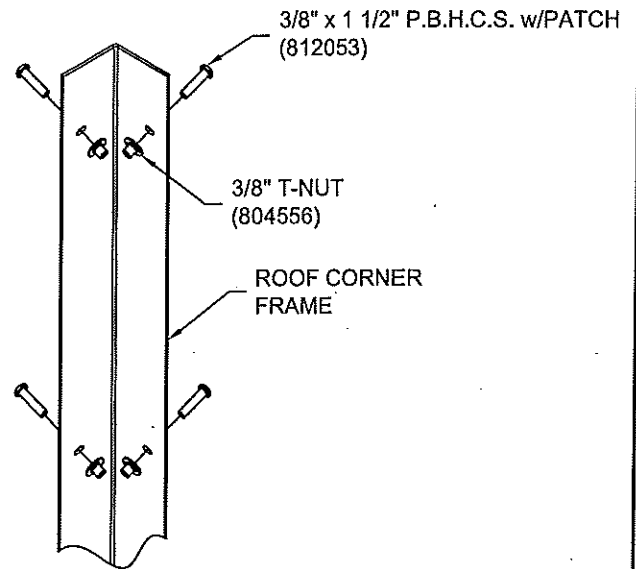
475



521



541



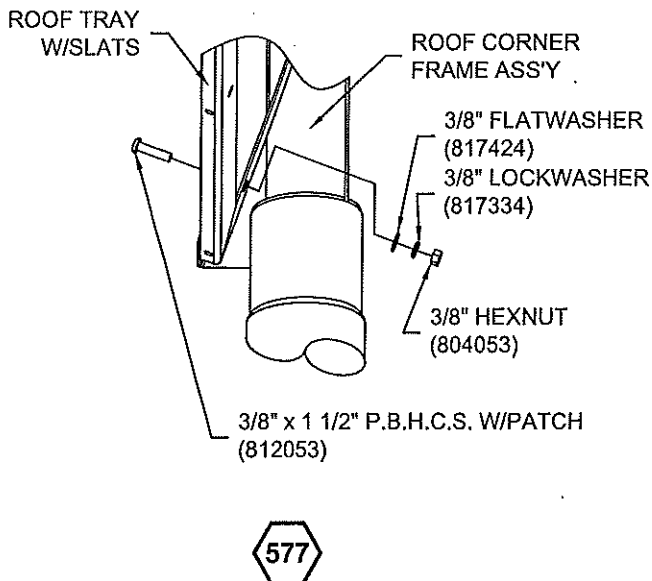
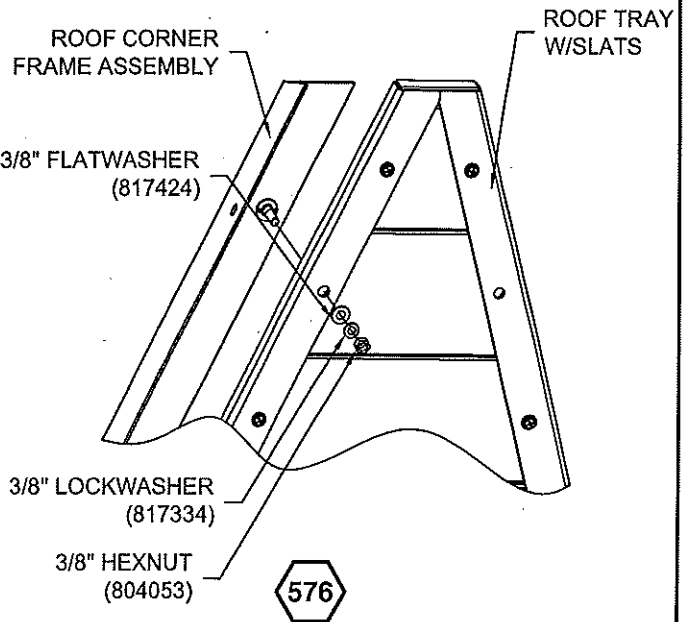
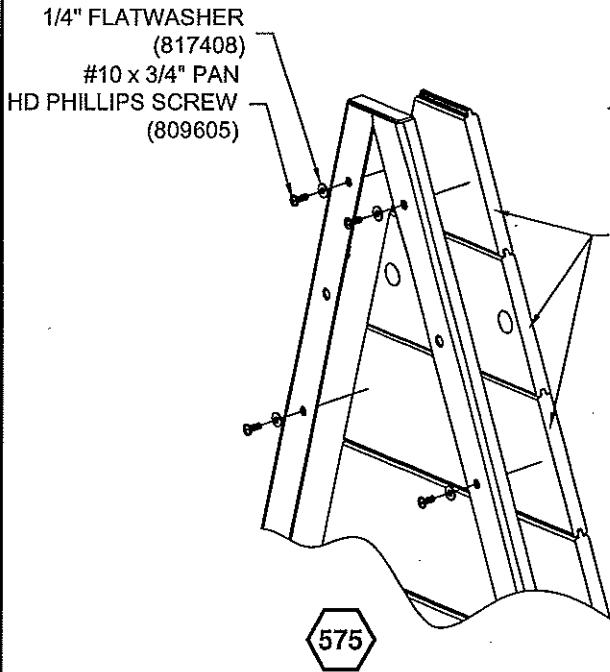
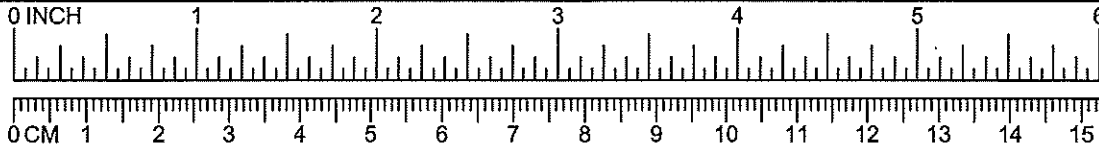
574

DETAILS -for- 80191

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

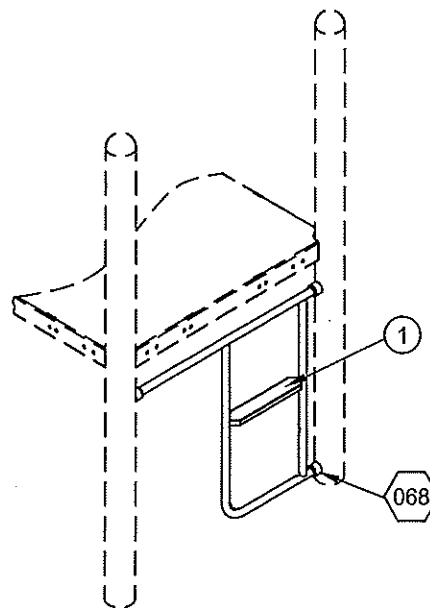


**STOREFRONT
PANEL**

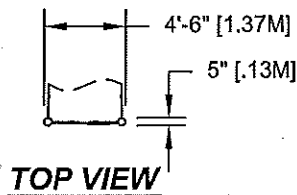
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

**INSTALLATION
INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING



TOP VIEW

PARTS LIST

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---------|-----------------------------|------------|-------------|
| 1 | Storefront Assembly | 1 | 178955 |
| | Power Lock Base | 3 | A63515 |
| | Power Lock Cap | 3 | A63517 |
| | Hardware Complete | 1 | 179018 |
| | Locking Collar | 3 | 162964* |
| | 3/8" x 1 3/4" Hex Head Bolt | 3 | 801006* |
| | 3/8" Lockwasher | 3 | 817334* |
| | 3/8" Flatwasher | 3 | 817410* |

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

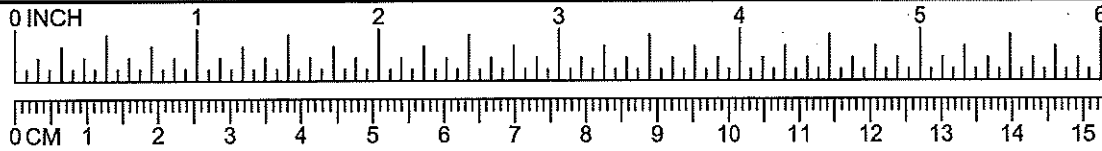
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80959

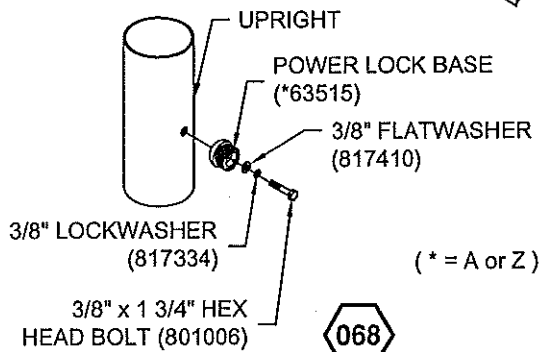
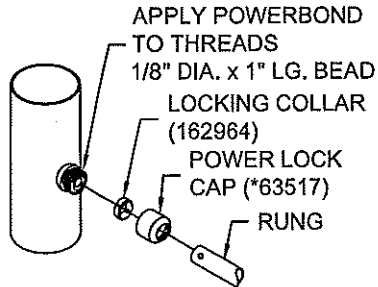
IMPORTANT

To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.



NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

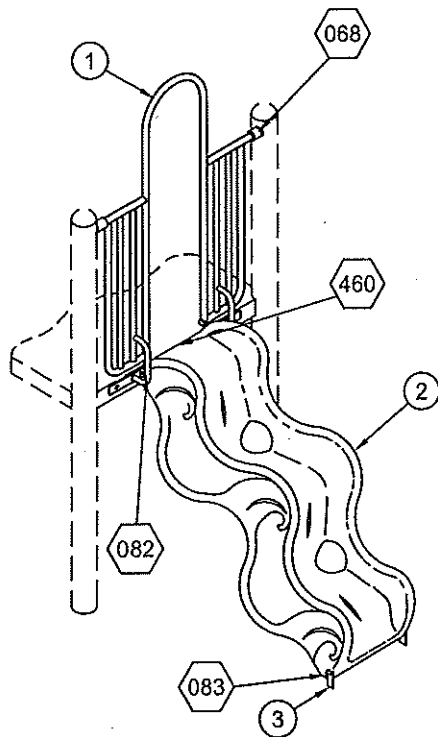


*NOTE:
HEX BOLTS SHOULD
BE TORQUED
FROM 20-25 FT. LBS.
FOR PROPER
INSTALLATION.

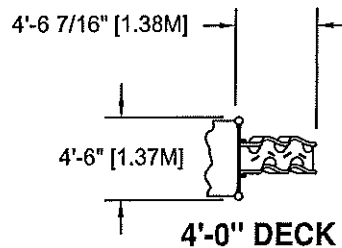
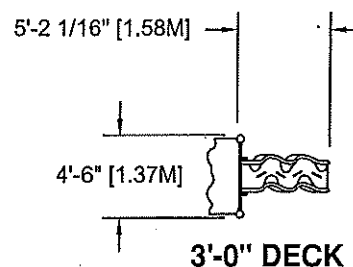
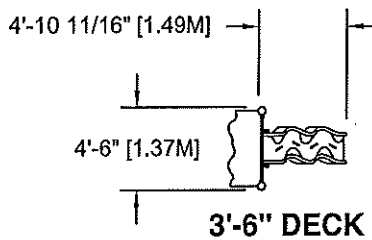
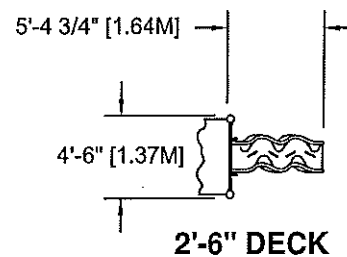
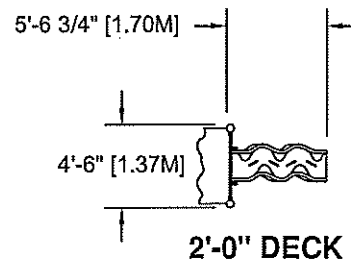
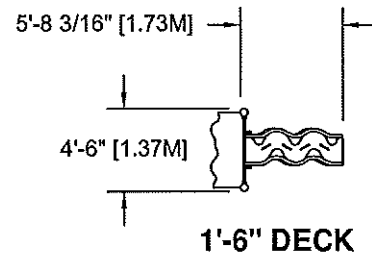


80340
WAVE
CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



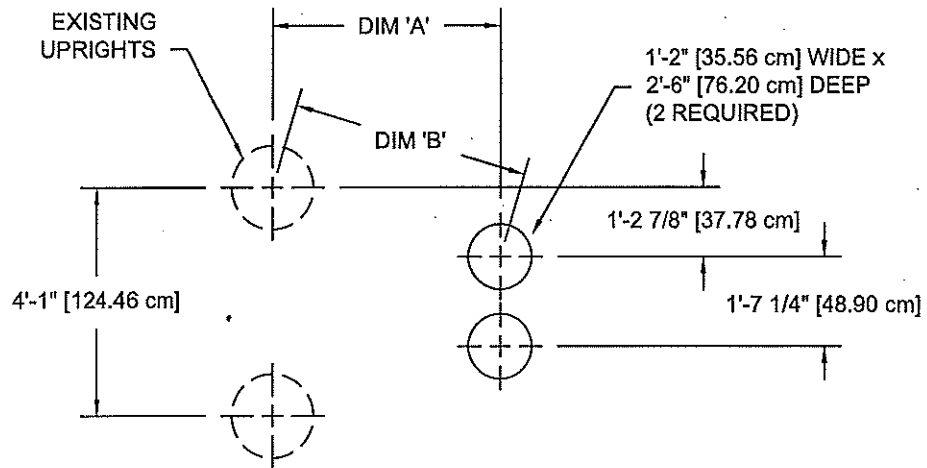
ASSEMBLY DRAWING



TOP VIEWS

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Apply the PowerBond to the PowerLock threads as shown in detail 068.



GROUND PLAN

CONCRETE REQUIRED:
 .12 CUBIC YARDS
 [.09 CUBIC METERS]

NOTES: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

| DECK HEIGHTS | DIMENSION 'A' | DIMENSION 'B' |
|------------------|-----------------------|-----------------------|
| 1'-6" THRU 2'-6" | 5'-3 1/2" [161.29 cm] | 5'-5 1/4" [165.66 cm] |
| 3'-0" THRU 4'-0" | 4'-6 3/8" [138.11 cm] | 4'-8 3/8" [143.19 cm] |

PARTS LIST

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---------|--------------------------------|------------|-------------|
| 1 | Entry Archway | 1 | 176952 |
| 2 | Wave Climber | 1 | 159800 |
| 3 | Footbuck | 2 | 160410 |
| | Power Lock Cap | 2 | Z63517 |
| | Power Lock Base | 2 | Z63515 |
| | Hardware Complete | 1 | 164036 |
| | Locking Collar | 2 | 162964* |
| | 3/8" Lock Washer | 10 | 817334* |
| | 3/8" x 1 3/4" Hex Head Bolt | 2 | 801006* |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 4 | 812052* |
| | 3/8" x 1" P.B.H.C.S. w/Patch | 4 | 812050* |
| | 3/8" Tee-Nut | 4 | 804556* |
| | 3/8 Flat Washer | 6 | 817410* |
| | 3/8 Flat Washer (1 1/4" O.D.) | 4 | 817424* |

*Unless Otherwise Specified, All Units of Measure are Each
 * Included in Hardware*

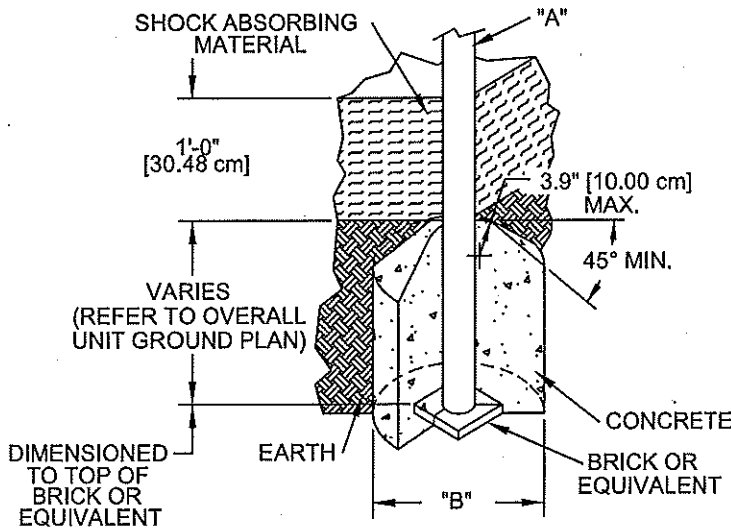
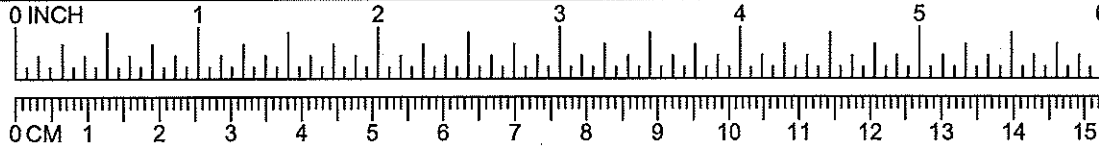
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80340

IMPORTANT

To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|-------------------------|----------------------------|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72 cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

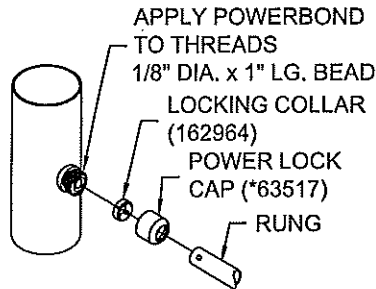
NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



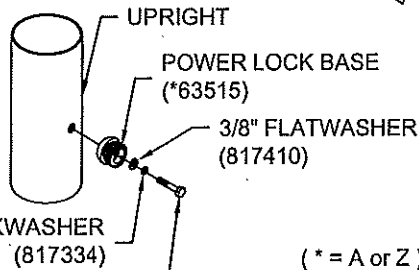
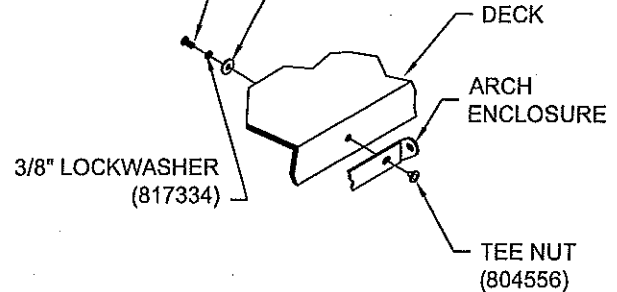
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

*NOTE:
HEX BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.



3/8" x 3/4" P.B.H.C.S. w/PATCH (812052)

3/8" FLATWASHER (817424)



3/8" LOCKWASHER (817334)

(* = A or Z)

3/8" x 1 3/4" HEX HEAD BOLT (801006)

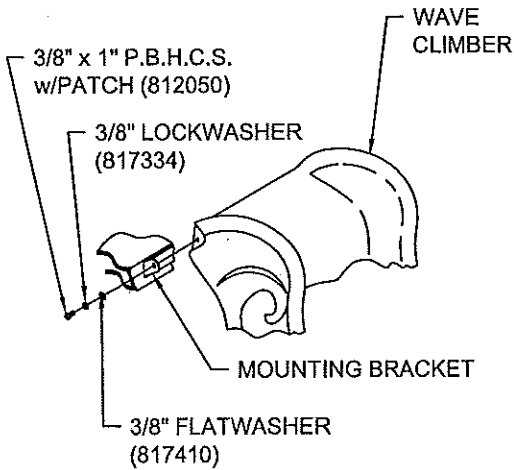


DETAILS -for- 80340

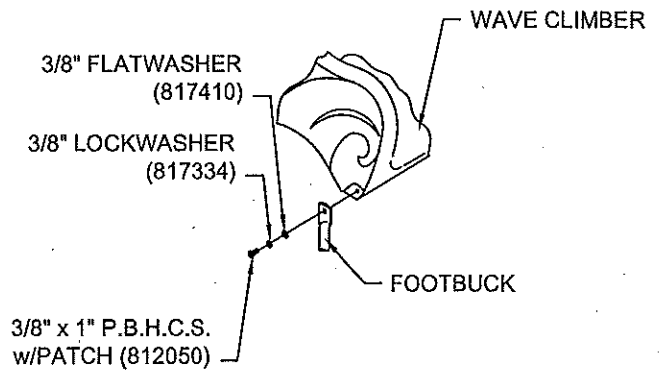
IMPORTANT

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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



082



083



Enriching Childhood Through Play.

1-800-235-2440

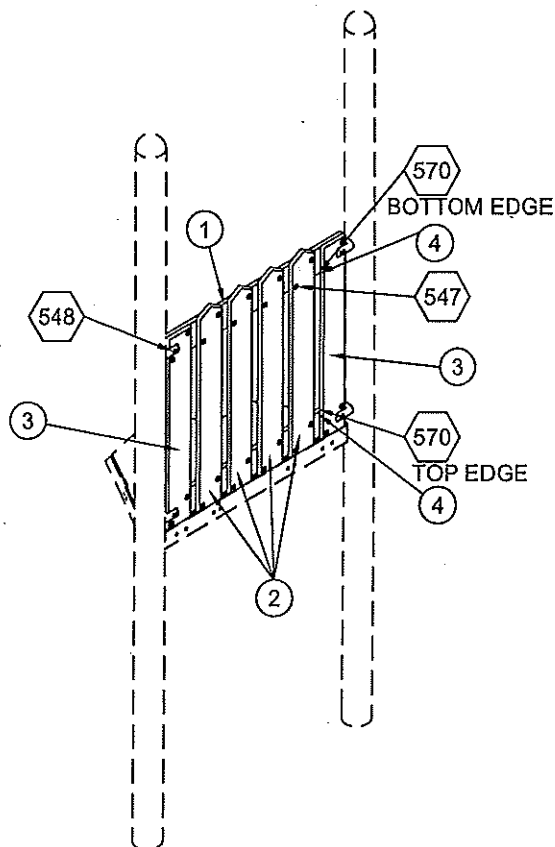
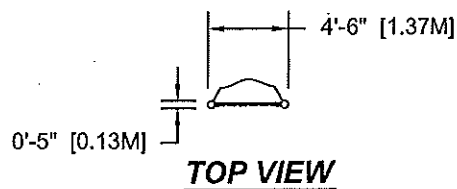
ISSUED/REVISED: 9/22/11

TIMBER DECOR ENCLOSURE - STANDARD

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLATION INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. Assemble Panel on ground using Detail #547.
4. Attach Brace to bottom edge of top slat and top edge of bottom slat using Detail #570
5. Attach Panel to Panel Connectors as shown in Detail #548.



ASSEMBLY DRAWING

PARTS LIST

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---------|-----------------------------|------------|-------------|
| 1 | Horizontal Slat | 2 | 179539 |
| 2 | Vertical Slat | 4 | 179542 |
| 3 | Vertical Slat-End Piece | 2 | 179540 |
| 4 | Brace | 2 | 179667 |
| | Panel Attachment Power Lock | 4 | B63519 |
| | <i>Hardware Complete</i> | 1 | 179556 |
| | 3/8" x 1 3/4" Hex Head Bolt | 4 | 801006* |
| | 3/8" x 1 3/4" P.B.H.C.S. | 4 | 812054* |
| | 3/8" X 1 1/2" P.B.H.C.S. | 24 | 812053* |
| | 3/8" Lockwasher | 32 | 817334* |
| | 3/8" Flatwasher | 28 | 817410* |
| | 3/8" T-Nut | 28 | 804556* |
| | #12 x 2" Sheet Metal Screw | 12 | 809607* |
| | 3/4" Square Plug | 4 | 818335* |

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

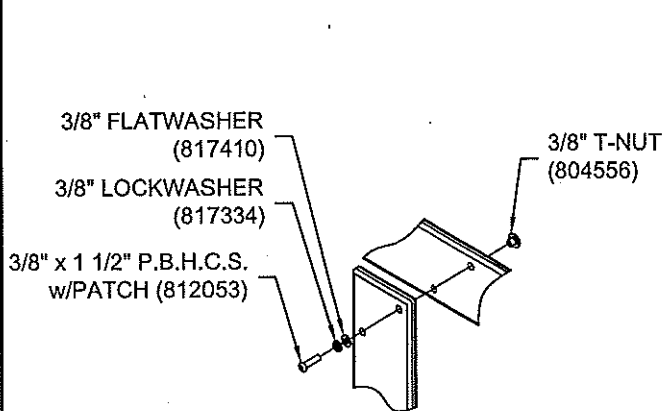
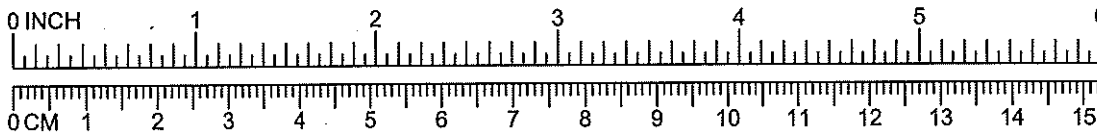
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DETAILS -for- 80963

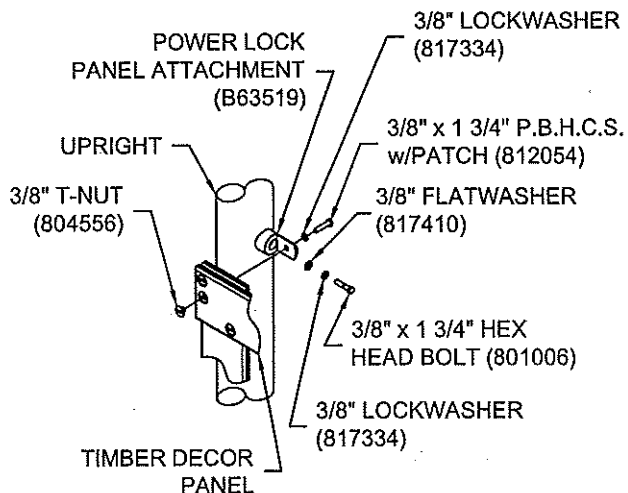
IMPORTANT

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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

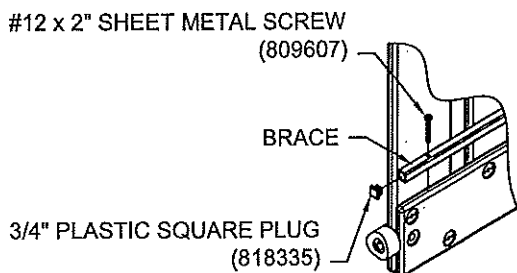


547





548

*NOTE:
HEX BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.



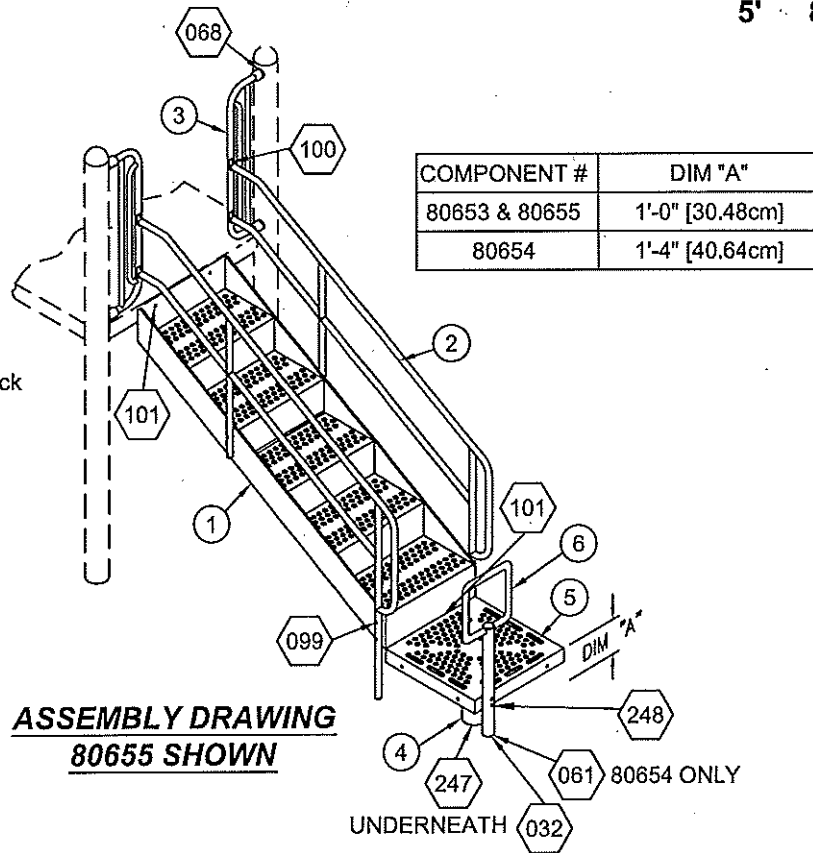
570

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

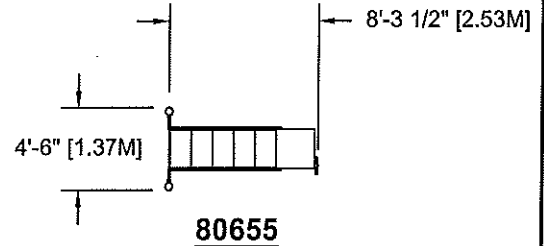
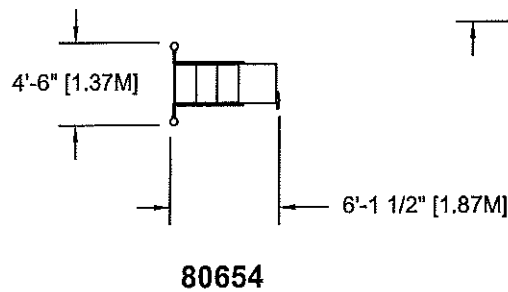
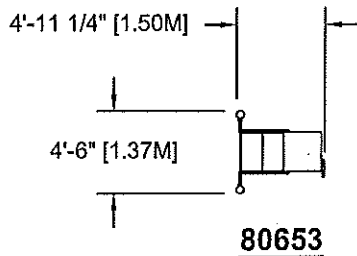
- 3'** 80653
- 4'** 80654
- 5'** 80655

**INSTALLATION
INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.
3. Apply the PowerBond to the PowerLock threads as shown in detail 068.



**ASSEMBLY DRAWING
80655 SHOWN**



TOP VIEWS

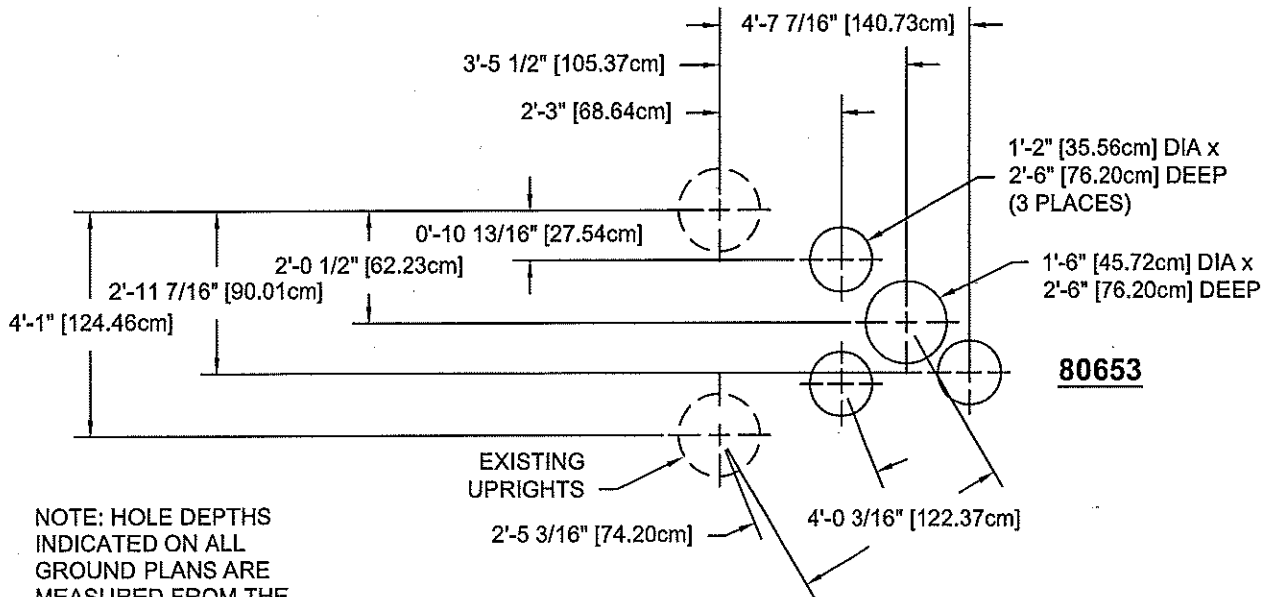
PARTS LIST

| REF NO. | DESCRIPTION | NO. REQ'D. | | | PART NUMBER |
|------------|----------------------------------|------------|-------|-------|----------------|
| | | 80653 | 80654 | 80655 | |
| 1 | Step Ass'y | 1 | 0 | 0 | 160670 |
| 1 | Step Ass'y | 0 | 1 | 0 | 160674 |
| 1 | Step Ass'y | 0 | 0 | 1 | 160667 |
| 2 | Handrail | 2 | 0 | 0 | 164609 |
| 2 | Handrail | 0 | 2 | 0 | 164592 |
| 2 | Handrail | 0 | 0 | 2 | 164585 |
| 3 | Attachment Rail | 2 | 2 | 2 | 164569 |
| 4 | Platform Support | 1 | 0 | 1 | 157034 |
| 4 | Platform Support | 0 | 1 | 0 | 160662 |
| 5 | Platform | 1 | 1 | 1 | 160645 |
| 6 | Handhold | 1 | 1 | 1 | 165837 |
| | Power Lock Cap | 4 | 4 | 4 | A63517 |
| | Power Lock Base | 4 | 4 | 4 | A63515 |
| | Hardware Complete | 1 | 0 | 0 | 166014 |
| | Hardware Complete | 0 | 1 | 0 | 168010 |
| | Hardware Complete | 0 | 0 | 1 | 166015 |
| | Locking Collar | 4 | 4 | 4 | 162964* |
| | 3/8" Lockwasher | 21 | 22 | 25 | 817334* |
| | 3/8" x 2 3/4" P.B.H.C.S. w/Patch | 2 | 2 | 2 | 812058* |
| | 3/8" x 1 1/2" P.B.H.C.S. w/Patch | 8 | 8 | 12 | 812053* |
| | 3/8" x 1 3/4" Hex Head Bolt | 4 | 4 | 4 | 801006* |
| | 3/8" Flatwasher | 4 | 4 | 4 | 817410* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 4 | 4 | 4 | 817424* |
| | 3/8" T-Nut | 17 | 17 | 21 | 804556* |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 7 | 7 | 7 | 812052* |
| | Extension | 0 | 1 | 0 | 158403* |
| | 3/8" x 3 1/2" Hex Head Bolt | 0 | 1 | 0 | 801013* |
| | 3/8" Hex Nut | 0 | 1 | 0 | 804053* |

Unless Otherwise Specified, All Units of Measure are Each

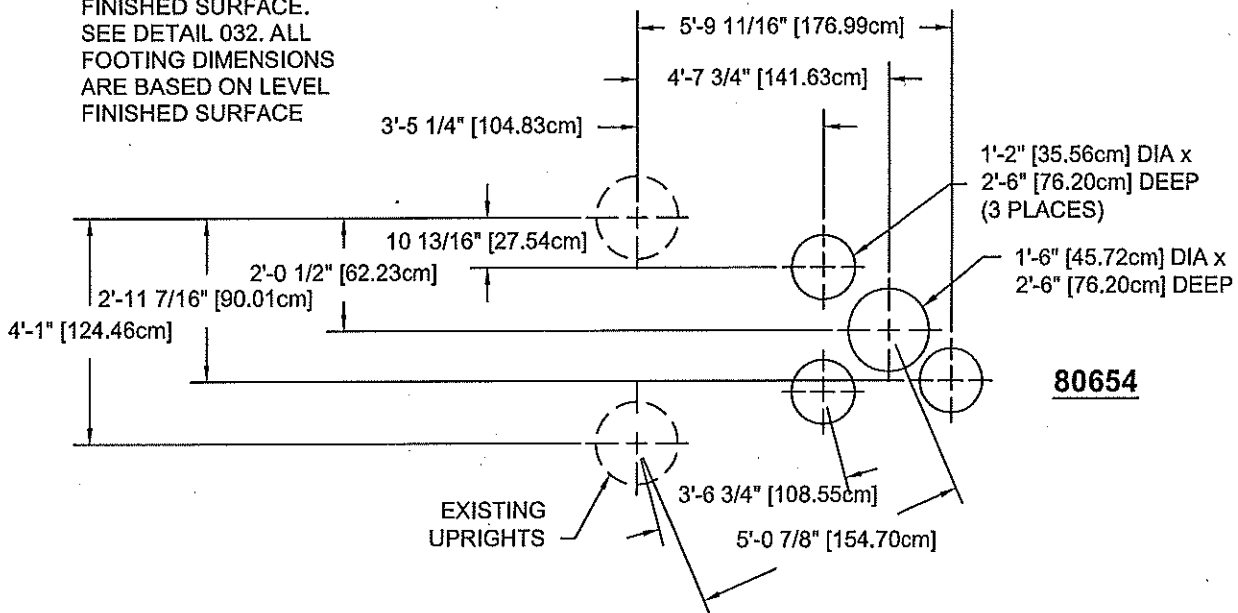
** Included in Hardware*

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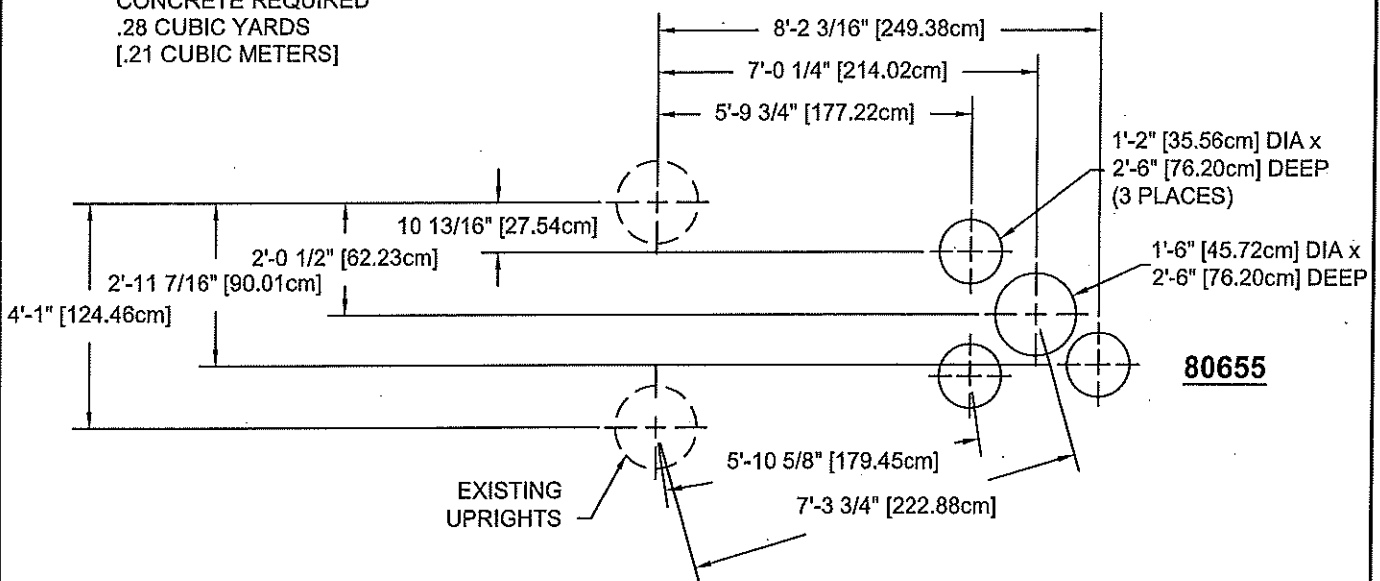
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE

EXISTING UPRIGHTS



EXISTING UPRIGHTS

CONCRETE REQUIRED
 .28 CUBIC YARDS
 [.21 CUBIC METERS]



EXISTING UPRIGHTS

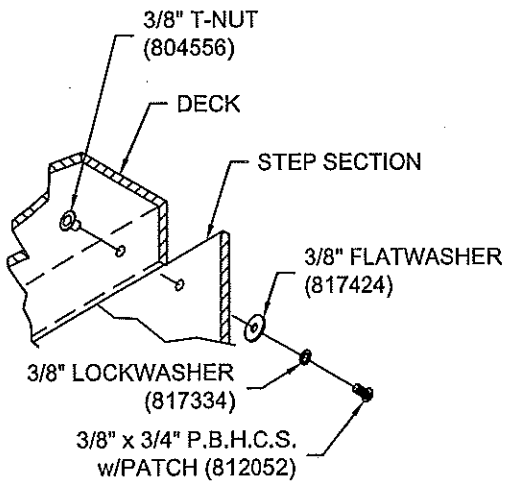
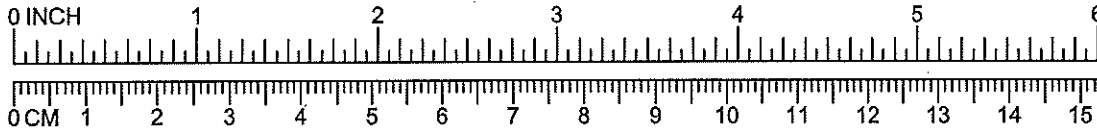
GROUND PLANS

DETAILS -for- 80653,80654 & 80655

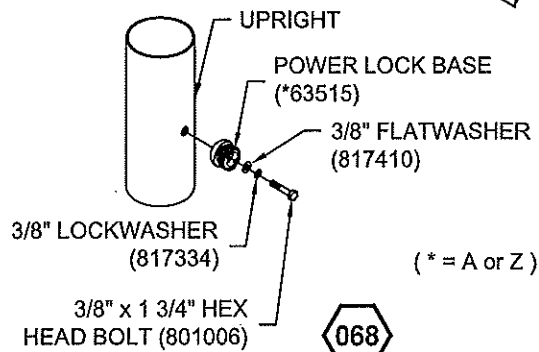
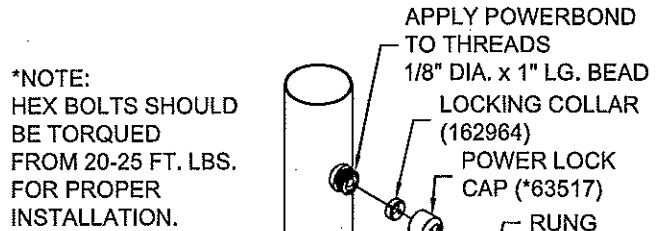
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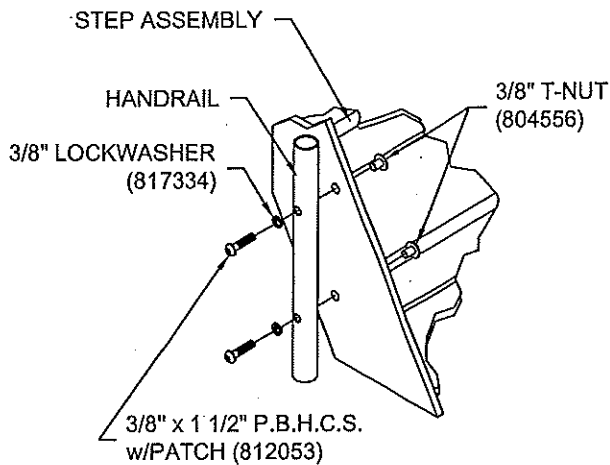
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



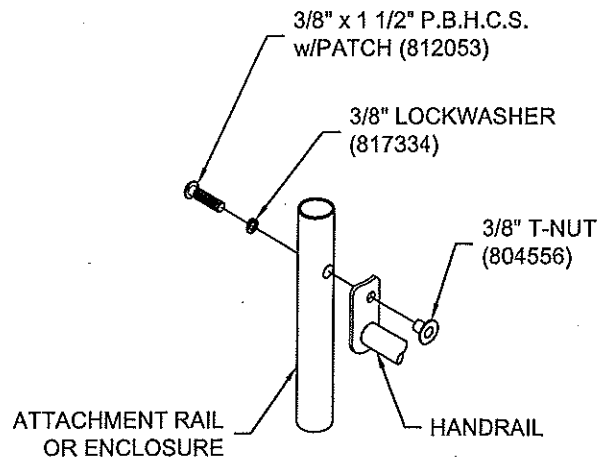
101



068



099



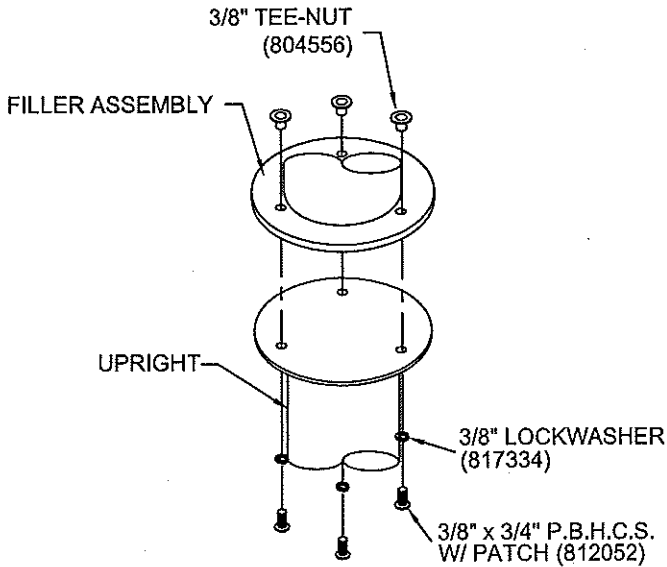
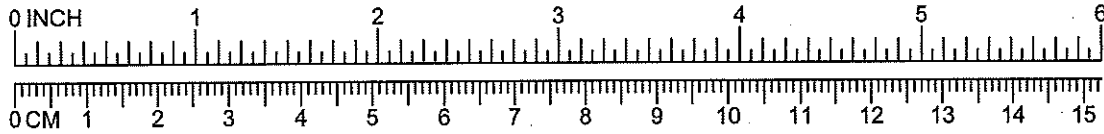
100

DETAILS -for- 80653,80654 & 80655

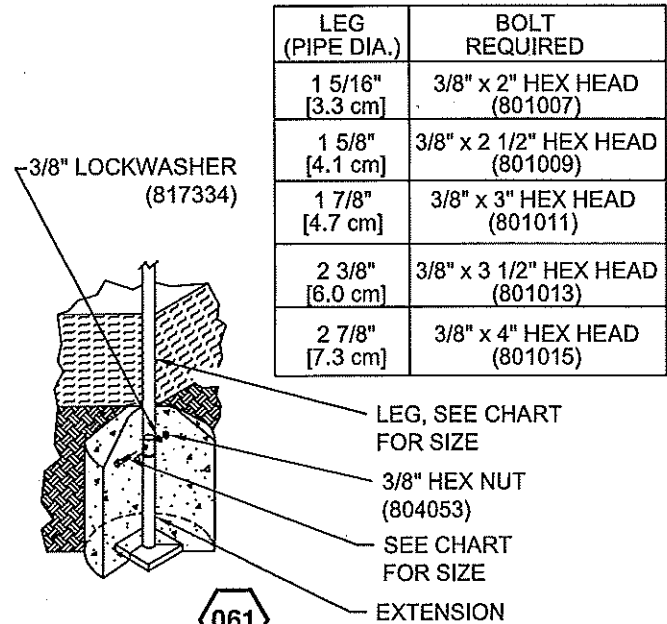
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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

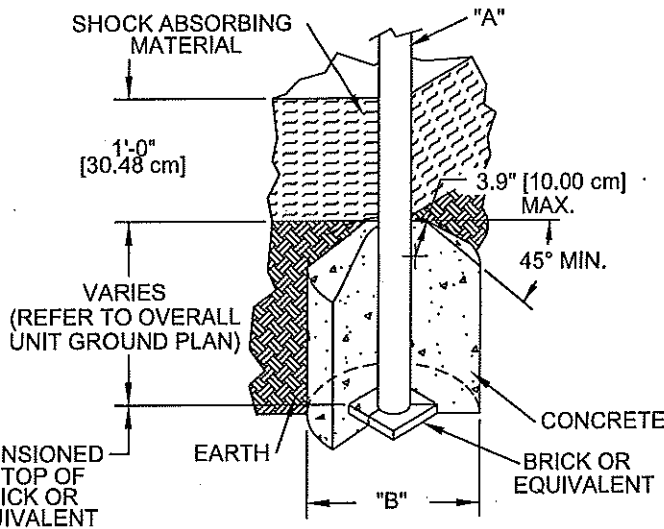


247



061

| LEG (PIPE DIA.) | BOLT REQUIRED |
|------------------|---------------------------------|
| 1 5/16" [3.3 cm] | 3/8" x 2" HEX HEAD (801007) |
| 1 5/8" [4.1 cm] | 3/8" x 2 1/2" HEX HEAD (801009) |
| 1 7/8" [4.7 cm] | 3/8" x 3" HEX HEAD (801011) |
| 2 3/8" [6.0 cm] | 3/8" x 3 1/2" HEX HEAD (801013) |
| 2 7/8" [7.3 cm] | 3/8" x 4" HEX HEAD (801015) |



032

| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|--------------------------------|-------------------------|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72 cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
 -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

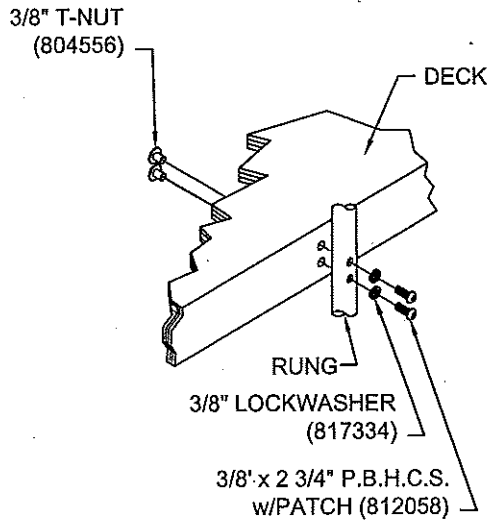
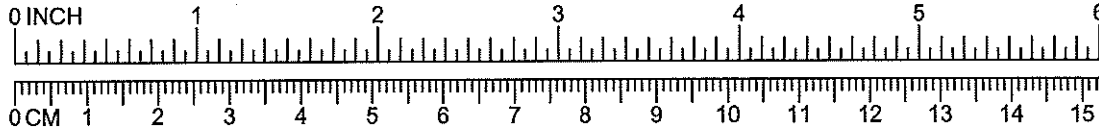
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

DETAILS -for- 80653,80654 & 80655

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



248

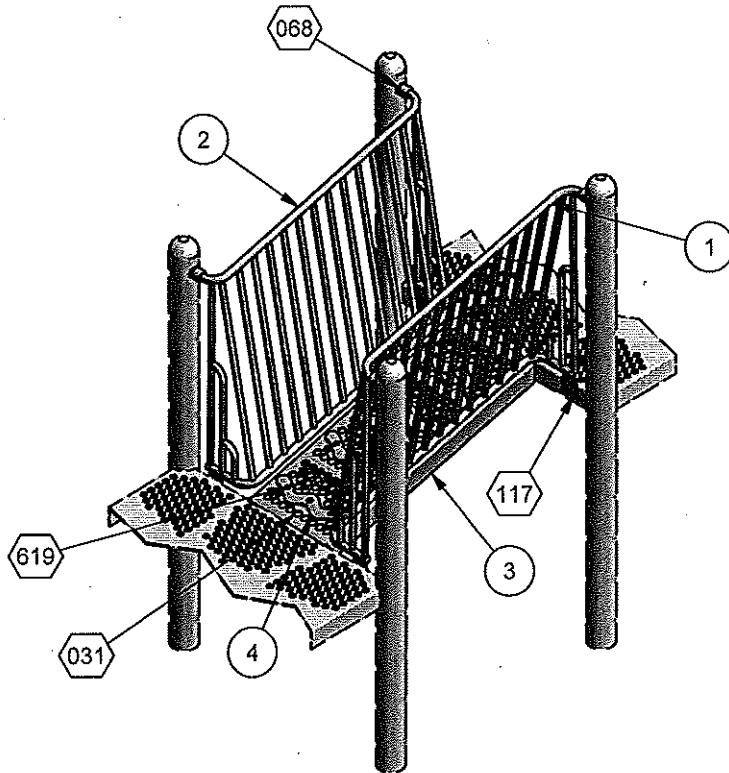
**81149
SLOPED
FUNNEL
CLIMBER**

 = INSTALLATION
DETAIL

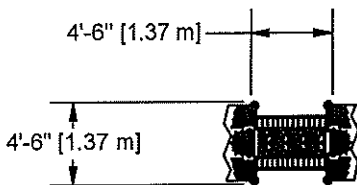
 = PARTS LIST
REFERENCE

**INSTALLATION
INSTRUCTIONS**

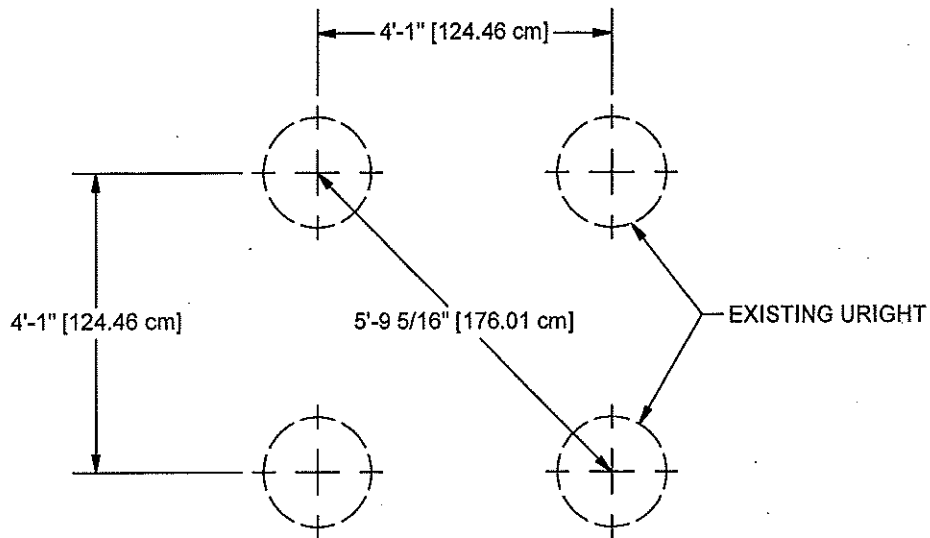
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY VIEW



TOP VIEW



GROUND PLAN

| Parts List | | | |
|------------|--------------------------------|-----|-------------|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | RIGHT BARRIER HANDRAIL | 1 | 200375 |
| 2 | LEFT BARRIER HANDRAIL | 1 | 200384 |
| 3 | COATED PUNCHED WALKWAY | 1 | 179568 |
| 4 | HDPE STEP | 4 | 200687 |
| | POWERLOCK CAP | 4 | A63517 |
| | POWERLOCK BASE | 4 | A63515 |
| | HARDWARE COMPLETE | 1 | 200690 |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 12 | 817424* |
| | 3/8" TEE NUT | 24 | 804556* |
| | 3/8" x 3/4" P.B.H.C.S. w/PATCH | 24 | 812052* |
| | 3/8" x 1 3/4" HEX HEAD BOLT | 4 | 801006* |
| | 3/8" LOCKWASHER | 16 | 817334* |
| | 3/8" FLAT WASHER | 16 | 817410* |
| | LOCKING COLLAR | 4 | 162964* |

Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

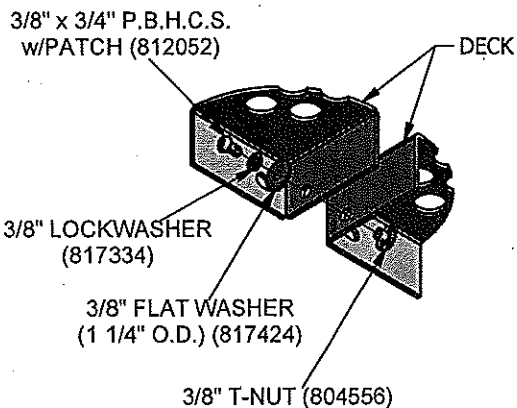
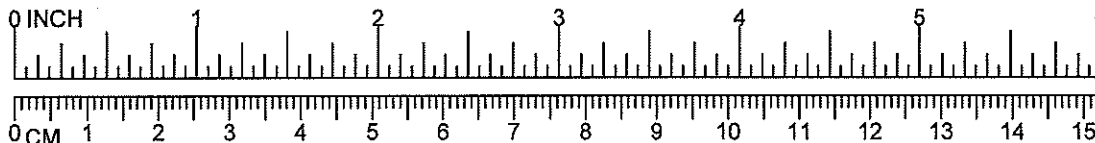
DETAILS -for- 81149

IMPORTANT

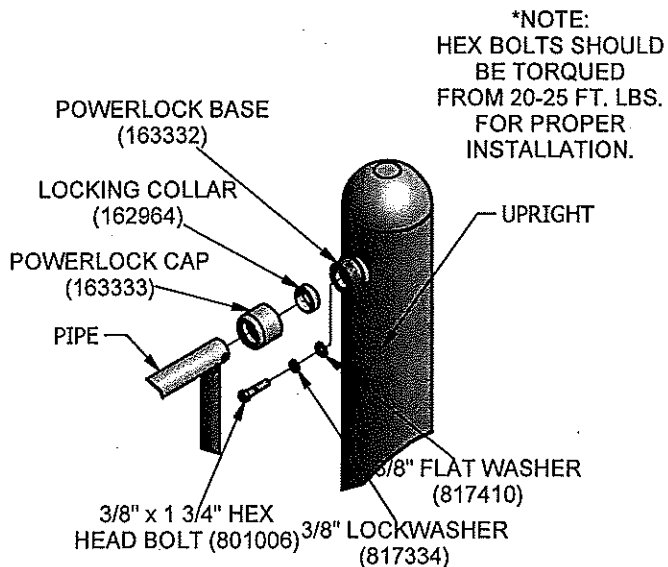
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

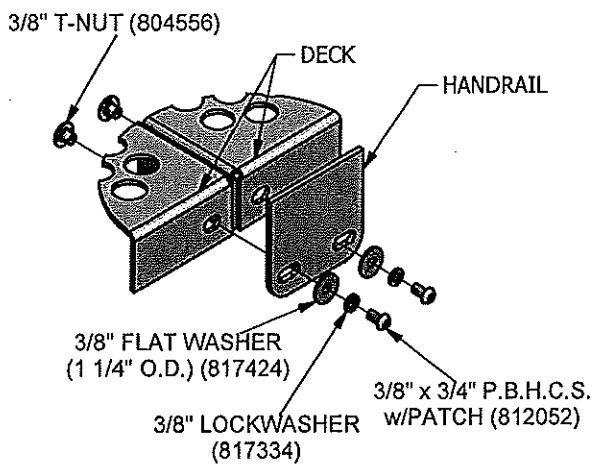


031

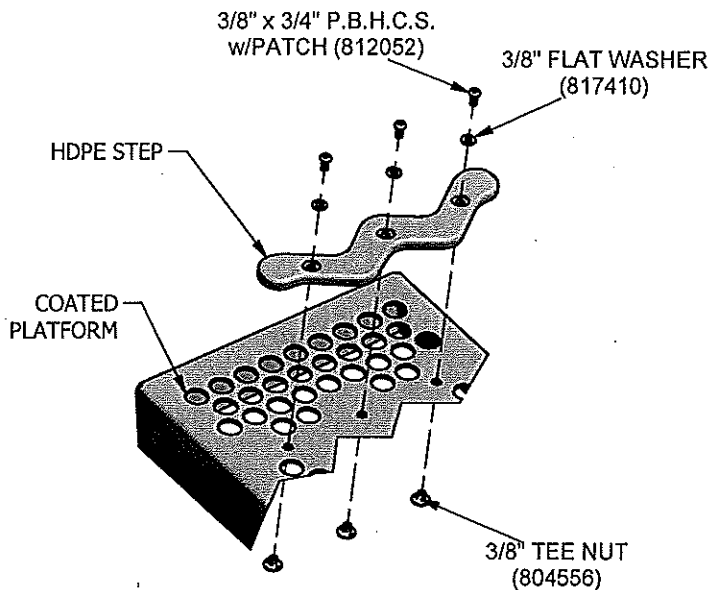


*NOTE:
HEX BOLTS SHOULD
BE TORQUED
FROM 20-25 FT. LBS.
FOR PROPER
INSTALLATION.



068



117



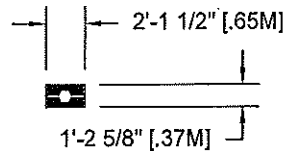
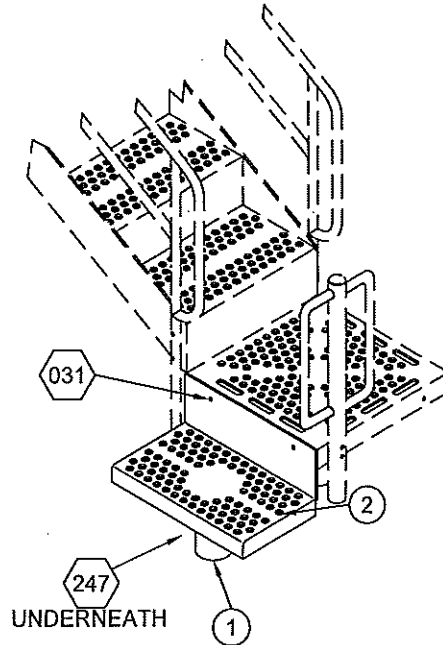
619

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

**80656 ATTACHES TO 80653 & 80655
80657 ATTACHES TO 80654**

**INSTALLATION
INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW

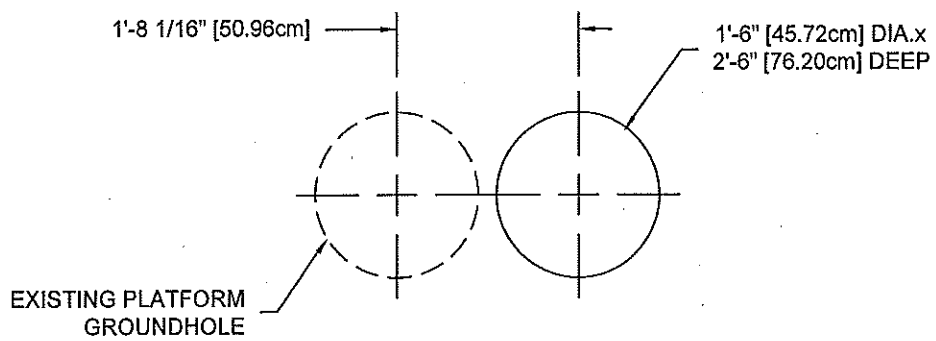
ASSEMBLY DRAWING

PARTS LIST

| REF. NO. | DESCRIPTION | No. REQUIRED | | PART NUMBER |
|----------|--------------------------------|--------------|-------|-------------|
| | | 80656 | 80657 | |
| 1 | Platform Support | 1 | 0 | 160701 |
| 1 | Platform Support | 0 | 1 | 160704 |
| 2 | Platform | 1 | 1 | 160693 |
| | <i>Hardware Complete</i> | 1 | 1 | 166069 |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 5 | 5 | 812052* |
| | 3/8" Lockwasher | 5 | 5 | 817334* |
| | 3/8" Flatwasher (1-1/4" O.D.) | 2 | 2 | 817424* |
| | 3/8" Tee -Nut (Spanner) | 5 | 5 | 804556* |

**Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware**

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.



CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL
GROUND PLANS ARE MEASURED FROM
THE FINISHED SURFACE. SEE DETAIL
032. ALL FOOTING DIMENSIONS ARE
BASED ON LEVEL FINISHED SURFACE.

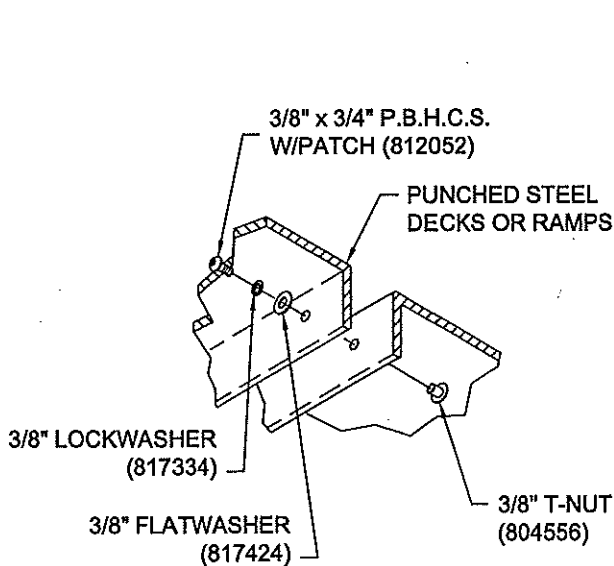
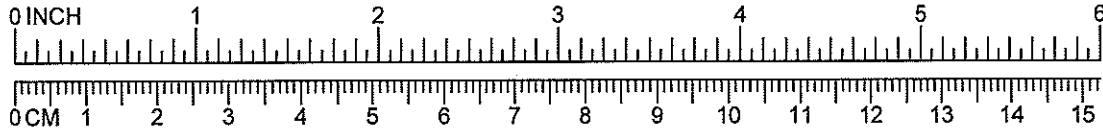
GROUND PLAN

DETAILS -for- 80656 & 80657

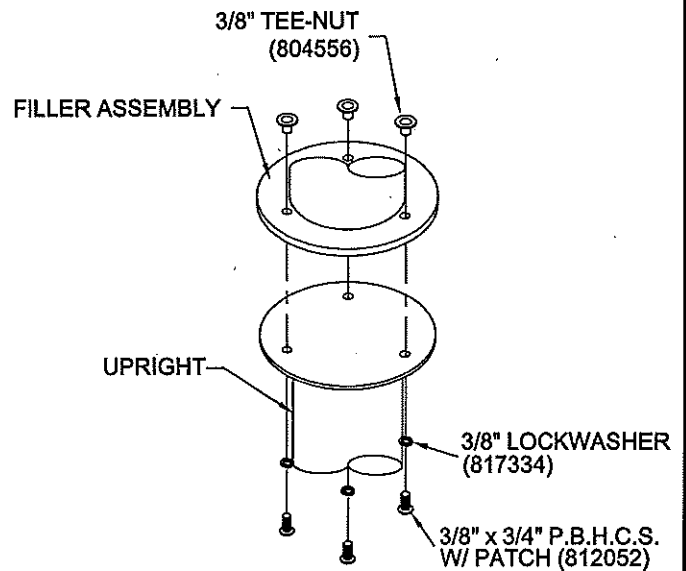
IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

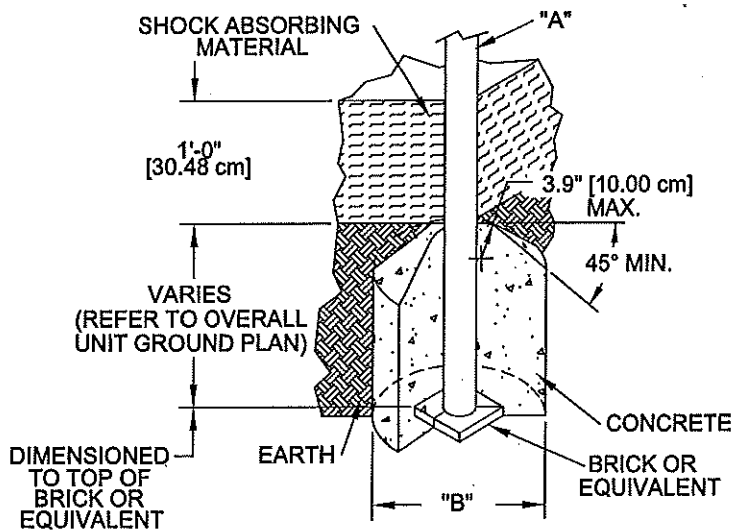
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



031



247



032

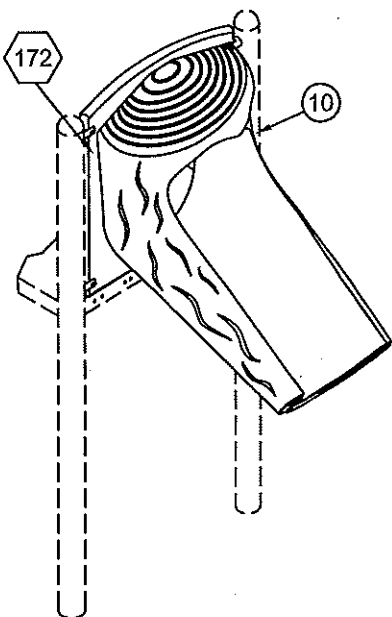
| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|--------------------------------|----------------------------|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72 cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
 -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

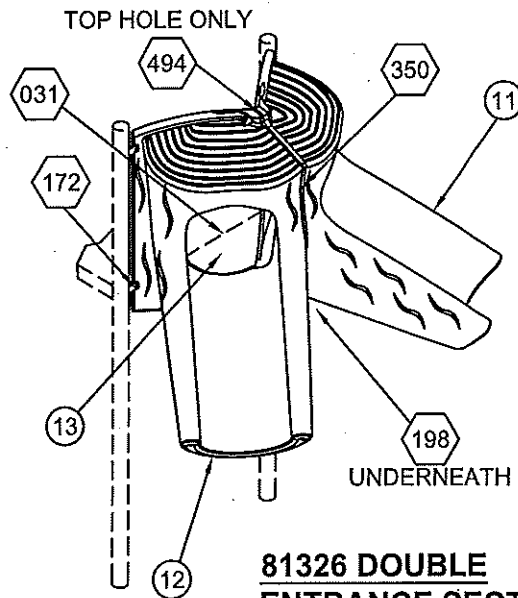
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

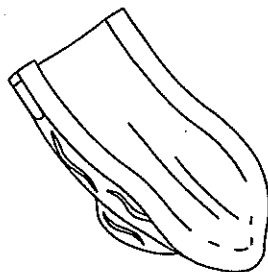
| | |
|-------------------------|-------|
| EXIT SECTION | 81274 |
| STRAIGHT SECTION | 81275 |
| LEFT CURVE | 81276 |
| RIGHT CURVE | 81277 |
| 3' SLIDE SUPPORT | 81278 |
| 4' SLIDE SUPPORT | 81279 |
| 1' EXIT SECTION | 81323 |
| SPIRAL SECTION | 81324 |
| ENTRANCE SECTION | 81325 |
| DOUBLE ENTRANCE SECTION | 81326 |
| OUTRIGGER | 81330 |



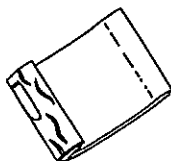
**81325 ENTRANCE SECTION
 ASSEMBLY DRAWING**



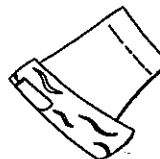
**81326 DOUBLE
 ENTRANCE SECTION
 ASSEMBLY DRAWING**



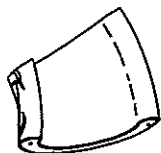
81274 EXIT SECTION



**81275
 STRAIGHT SECTION**



81276 LEFT CURVE



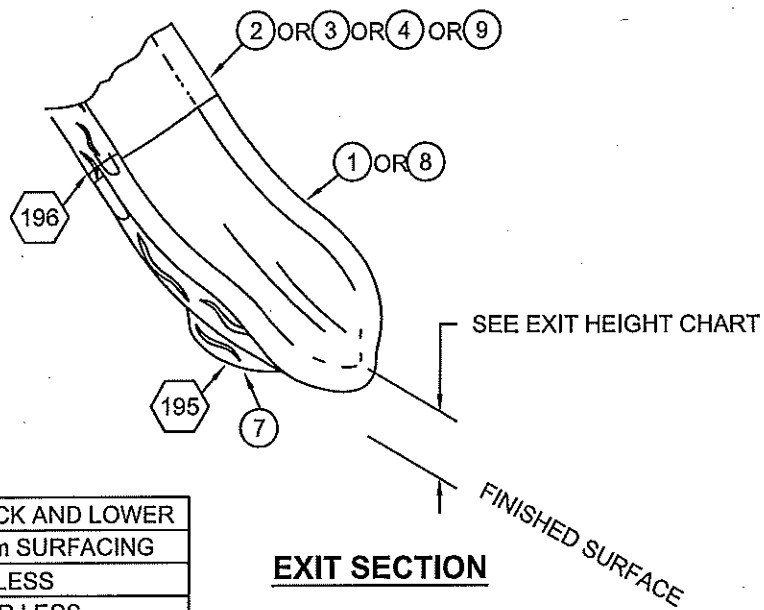
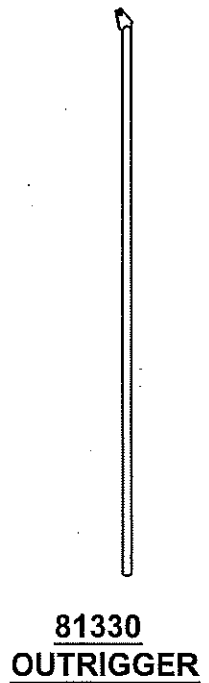
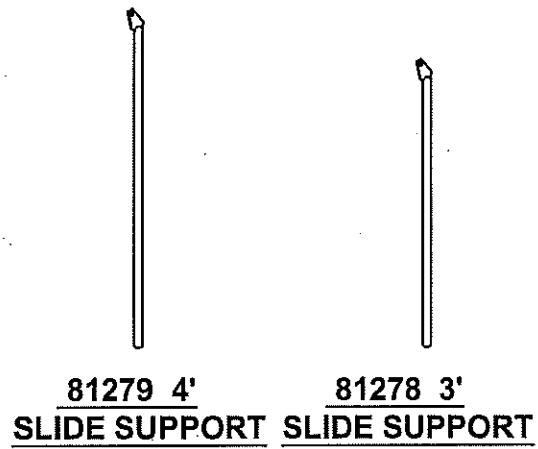
81277 RIGHT CURVE



81323 1' EXIT SECTION

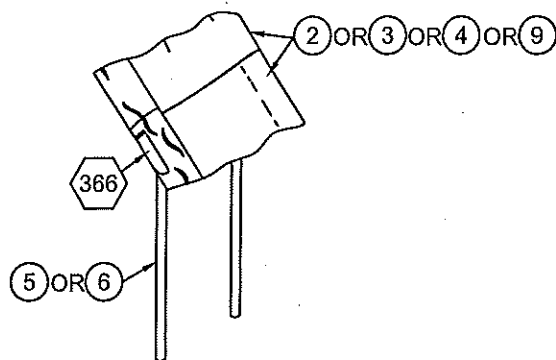


81324 SPIRAL SECTION

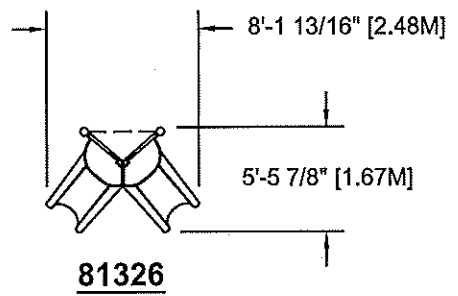
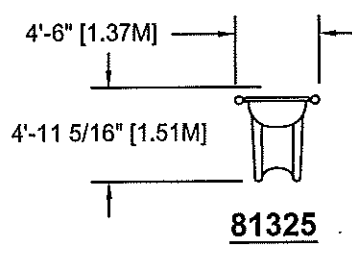
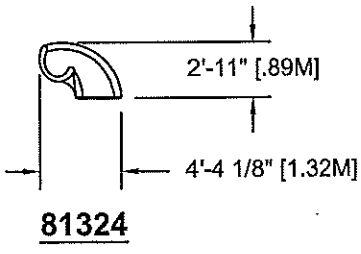
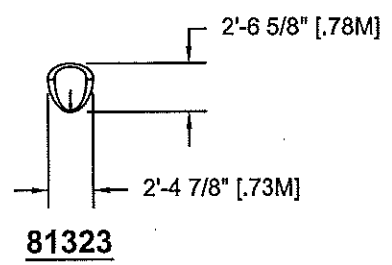
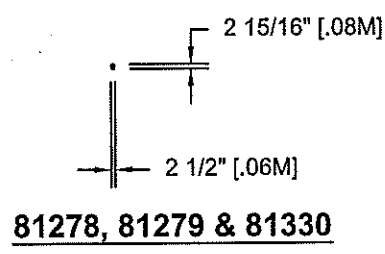
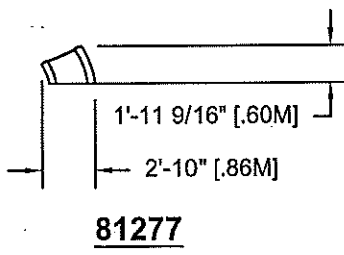
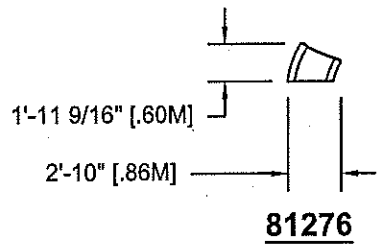
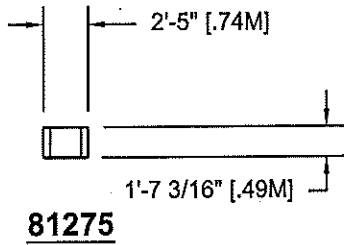
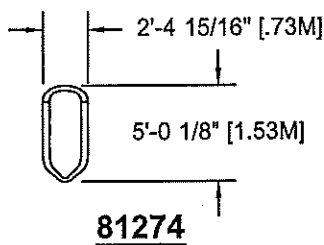


| EXIT HEIGHT CHART -for- 4' DECK AND LOWER | |
|---|----------------------------|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 11" OR LESS |
| CSA | 275mm OR LESS |
| EN | 200mm OR LESS |

| EXIT HEIGHT CHART -for- 4' 6" DECK AND HIGHER | |
|---|----------------------------|
| STANDARD | EXIT HEIGHT from SURFACING |
| ASTM | 7" TO 15" |
| CSA | 175mm TO 380mm |
| EN | 350mm OR LESS |

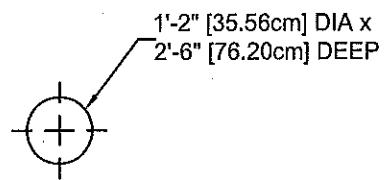


**SLIDE SECTIONS
w/SUPPORTS
ASSEMBLY DRAWINGS**



TOP VIEWS

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005 & 006. ALL FOOTING DIMENSIONS ARE BASED ON A LEVEL FINISHED SURFACE.



GROUND PLAN

NOTE:
NUMBER OF GROUND HOLES REQUIRED WILL BE DETERMINED BY SLIDE CONFIGURATION.

CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]
PER GROUND HOLE
(DETERMINED BY CONFIGURATION)

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *INSTRUCTIONS INSTALLER* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.
3. Assemble slide on the ground, then install on the play system.
4. Bolt each section together using the hardware shown in Detail-196. Hand tighten the 4 bolts that join each section.
5. Once all sections are bolted together, hand tight, install the slide to the play system. For 81326 Double Entrance, use the 5" hex bolt to clamp the pieces together. On detail 350, after all connections are made replace 5" hex head bolt with 3 1/4" button head bolt.
6. Starting at the top section, tighten the bolts with a wrench. Tighten the top 2 bolts first, then the bottom 2 bolts second, as shown, See Figure #1.
7. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
8. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolt in the area to be adjusted, using dead blow hammer on one side and a 2x4 backer on the other, hit the slide with the hammer to adjust, See Figure #3.
9. After the slide is adjusted and the bolts are tight, locate the slide support, loosen the 2 bottom bolts and slip the slide support behind the bolt and washers and re-tighten, See Detail-366.
10. If installing an 81326 with three spiral sections, an 81330 outrigger is required. See outrigger assembly for details.

Note: When using the spiral sections in a configuration that comes near the uprights, the distance from the inside bedway and the upright shall be a min. of 21".

Note: 81276 and 81277 curve sections can not be together in a slide without a 81275 straight section between them.

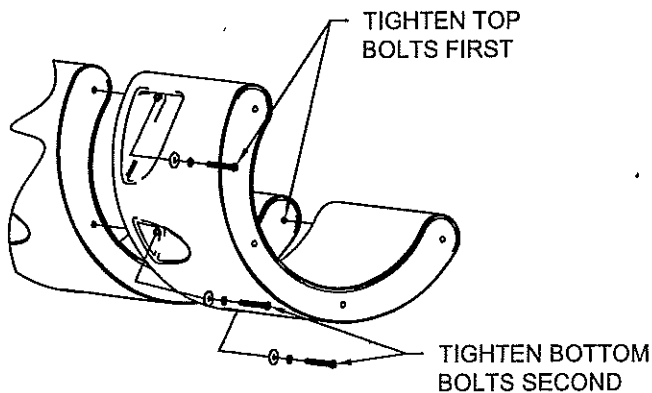


FIGURE #1

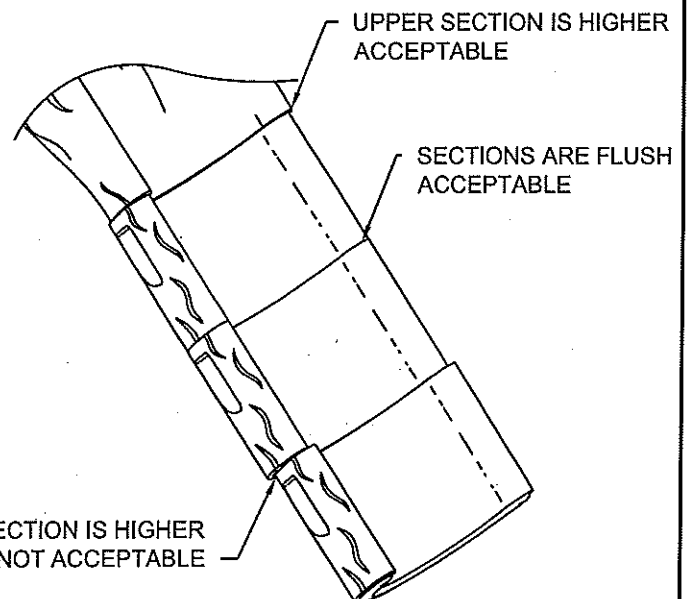


FIGURE #2

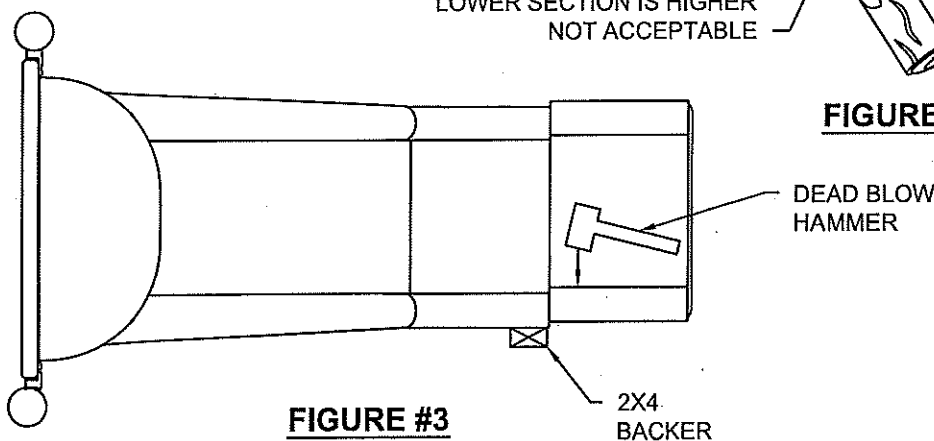
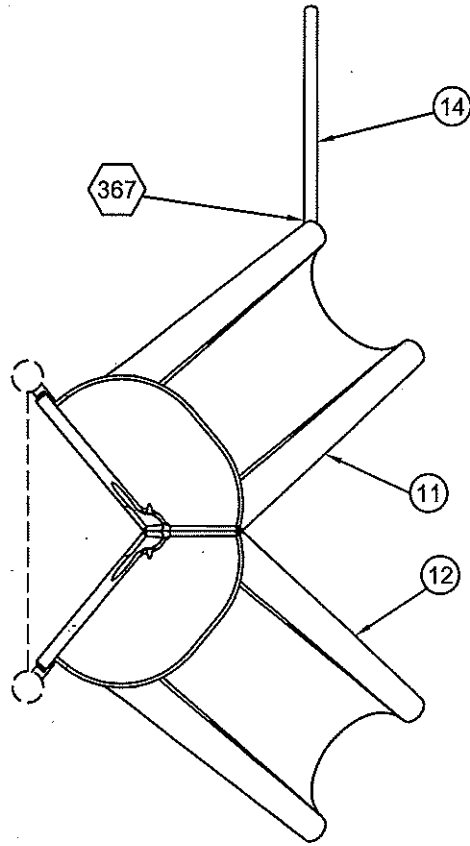
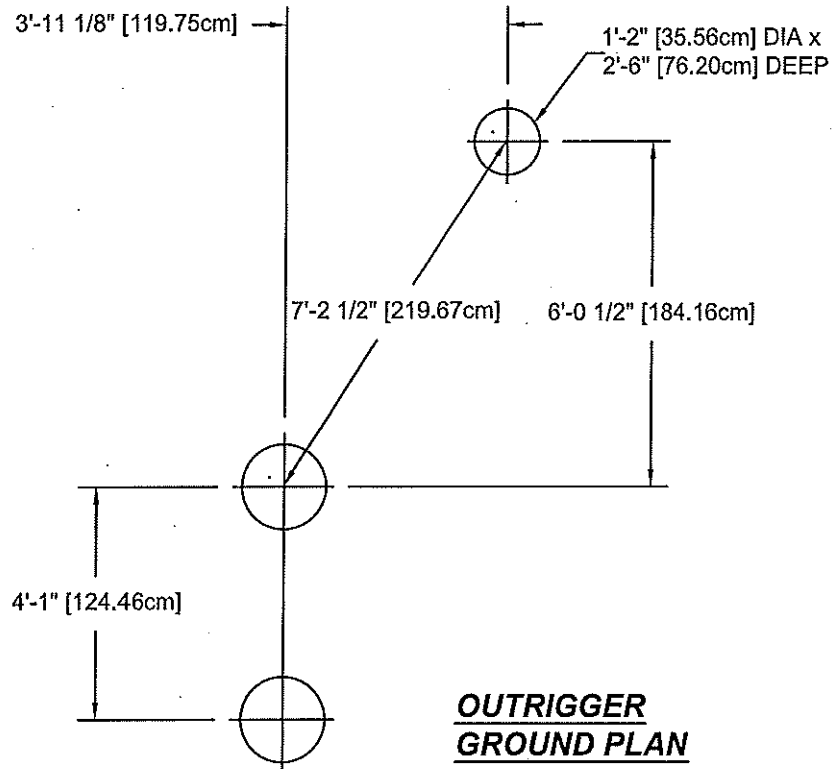


FIGURE #3



**OUTRIGGER
ASSEMBLY**



PARTS LIST

| REF NO. | DESCRIPTION | NUMBER REQUIRED | | | | | | | PART NUMBER |
|---------|----------------------------------|-----------------|-------|-------|-------|-------|-------|-------|-------------|
| | | 81274 | 81275 | 81276 | 81277 | 81278 | 81279 | 81323 | |
| 1 | Exit Section 2 ft. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 161937 |
| 2 | Straight Section | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 161938 |
| 3 | Left Curve | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 161939 |
| 4 | Right Curve | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 161940 |
| 5 | 3' Slide Support | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 168652 |
| 6 | 4' Slide Support | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 168654 |
| 7 | Footbuck | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 200033 |
| 8 | Exit Section 1 ft | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 168136 |
| 9 | Spiral Section | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168149 |
| 10 | Entrance Section | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168290 |
| 11 | Double Entrance Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168450 |
| 12 | Double Entrance Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168547 |
| 13 | Filler Deck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168548 |
| 14 | Outrigger | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168937 |
| | Panel Attachment Powerlock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *63519 |
| | Hardware Complete | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 165720 |
| | Hardware Complete | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 165721 |
| | Hardware Complete | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168521 |
| | Hardware Complete | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168536 |
| | Hardware Complete | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168537 |
| | 3/8" Lockwasher | 6 | 4 | 4 | 4 | 0 | 0 | 6 | 817334* |
| | 3/8" x 2 1/4" P.B.H.C.S. w/Patch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 812056* |
| | 3/8" x 1 3/4" Hex Head Bolt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 801006* |
| | 3/8" Flatwasher (1" O.D.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 817401* |
| | 3/8" Flatwasher | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 817410* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 4 | 4 | 4 | 4 | 0 | 0 | 4 | 817424* |
| | 3/8" Tee Nut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 804556* |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 812052* |
| | 3/8" x 2 3/4" Hex Head Bolt | 4 | 4 | 4 | 4 | 0 | 0 | 4 | 801010* |
| | Bolt Guard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156079* |
| | 3/8" x 3 1/4" P.B.H.C.S. w/Patch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 812060* |
| | 3/8" Hex Nut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 804053* |
| | 3/8" x 5" Hex Bolt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 801019* |

**PARTS LIST CONT'D ON NEXT PAGE
(FINAL #'S 81324 & 81325)**

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

PARTS LIST

| REF NO. | DESCRIPTION | NUMBER REQUIRED | | | | PART NUMBER |
|---------|----------------------------------|-----------------|-------|-------|-------|-------------|
| | | 81324 | 81325 | 81326 | 81330 | |
| 1 | Exit Section 2 ft. | 0 | 0 | 0 | 0 | 161937 |
| 2 | Straight Section | 0 | 0 | 0 | 0 | 161938 |
| 3 | Left Curve | 0 | 0 | 0 | 0 | 161939 |
| 4 | Right Curve | 0 | 0 | 0 | 0 | 161940 |
| 5 | 3' Slide Support | 0 | 0 | 0 | 0 | 168652 |
| 6 | 4' Slide Support | 0 | 0 | 0 | 0 | 168654 |
| 7 | Footbuck | 0 | 0 | 0 | 0 | 200033 |
| 8 | Exit Section 1 ft | 0 | 0 | 0 | 0 | 168136 |
| 9 | Spiral Section | 1 | 0 | 0 | 0 | 168149 |
| 10 | Entrance Section | 0 | 1 | 0 | 0 | 168290 |
| 11 | Double Entrance Left | 0 | 0 | 1 | 0 | 168450 |
| 12 | Double Entrance Right | 0 | 0 | 1 | 0 | 168547 |
| 13 | Filler Deck | 0 | 0 | 1 | 0 | 168548 |
| 14 | Outrigger | 0 | 0 | 0 | 1 | 168937 |
| | Panel Attachment Powerlock | 0 | 4 | 4 | 0 | *63519* |
| | Hardware Complete | 0 | 0 | 0 | 0 | 165720 |
| | Hardware Complete | 0 | 0 | 0 | 0 | 165721 |
| | Hardware Complete | 1 | 0 | 0 | 0 | 168521 |
| | Hardware Complete | 0 | 1 | 0 | 0 | 168536 |
| | Hardware Complete | 0 | 0 | 1 | 0 | 168537 |
| | 3/8" Lockwasher | 4 | 8 | 22 | 0 | 817334* |
| | 3/8" x 2 1/4" P.B.H.C.S. w/Patch | 0 | 4 | 4 | 0 | 812056* |
| | 3/8" x 1 3/4" Hex Head Bolt | 0 | 4 | 4 | 0 | 801006* |
| | 3/8" Flatwasher (1" O.D.) | 1 | 0 | 4 | 0 | 817401* |
| | 3/8" Flatwasher | 0 | 4 | 4 | 0 | 817410* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 3 | 0 | 14 | 0 | 817424* |
| | 3/8" Tee Nut | 0 | 4 | 8 | 0 | 804556* |
| | 3/8" x 3/4" P.B.H.C.S. w/Patch | 0 | 0 | 4 | 0 | 812052* |
| | 3/8" x 2 3/4" Hex Head Bolt | 4 | 0 | 0 | 0 | 801010* |
| | Bolt Guard | 1 | 0 | 0 | 0 | 156079* |
| | 3/8" x 3 1/4" P.B.H.C.S. w/Patch | 0 | 0 | 3 | 0 | 812060* |
| | 3/8" x 4" P.B.H.C.S. w/Patch | 0 | 0 | 1 | 0 | 812082* |
| | 3/8" x 3 1/2" P.B.H.C.S. w/Patch | 0 | 0 | 2 | 0 | 812075* |
| | 3/8" x 3 3/4" P.B.H.C.S. w/Patch | 0 | 0 | 2 | 0 | 812076* |
| | 3/8" Hex Nut | 0 | 0 | 4 | 0 | 804053* |
| | 3/8" x 5" Hex Bolt | 0 | 0 | 1 | 0 | 801019* |
| | 3/8" x 1 1/4" P.B.H.C.S. | 0 | 0 | 6 | 0 | 812051* |

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

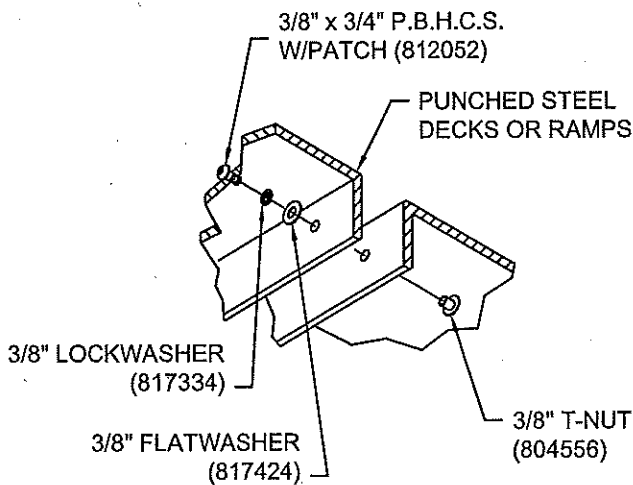
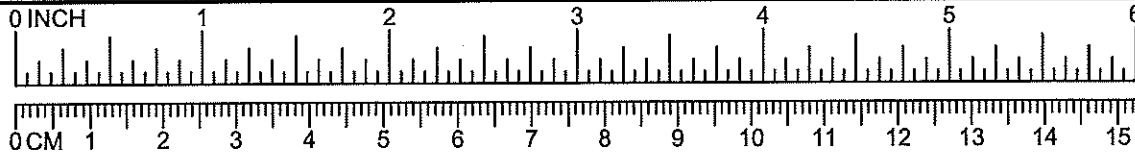
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

DETAILS -for- 81274-81279 & 81323-81326 & 81330

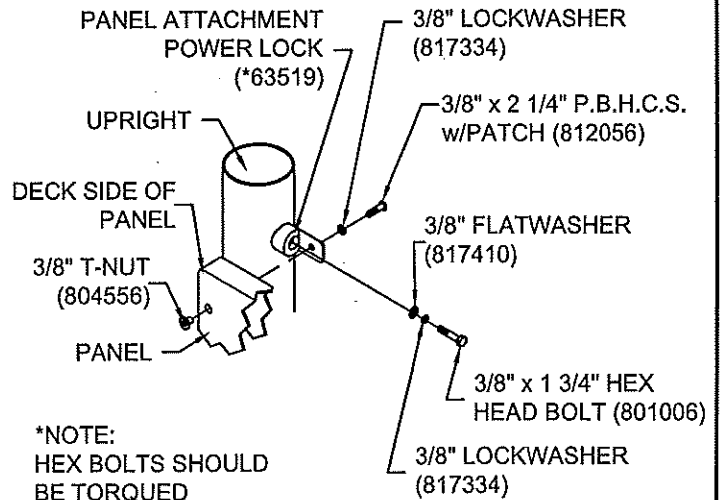
IMPORTANT

To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



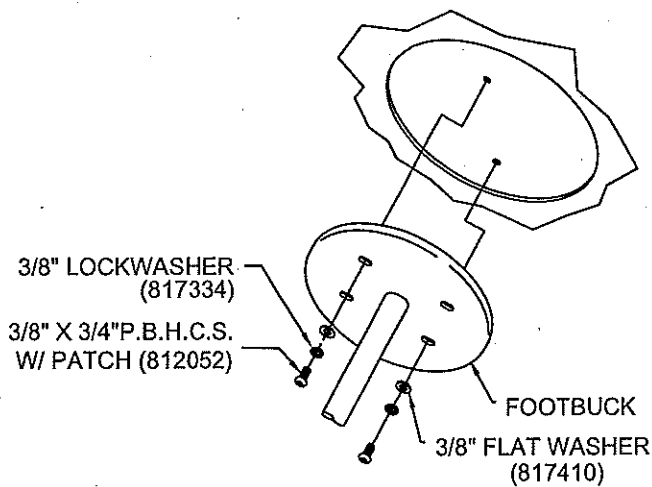
031



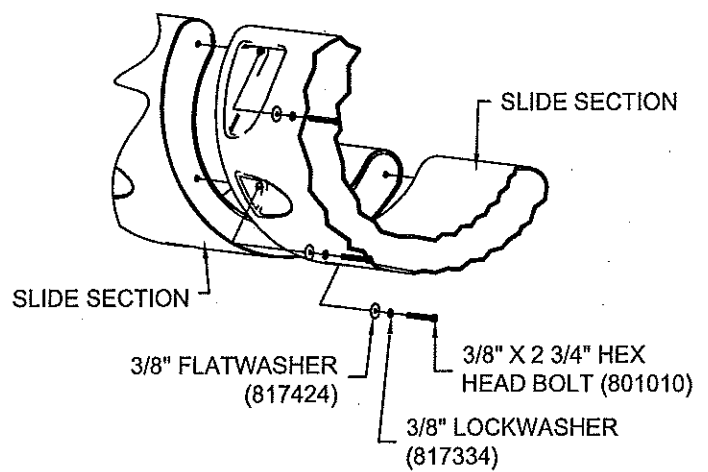
*NOTE:
HEX BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

172

(* = T,W,G, or K)



195



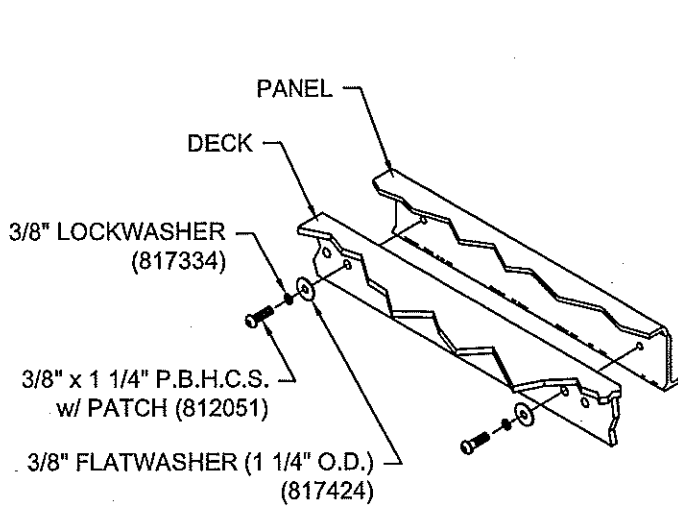
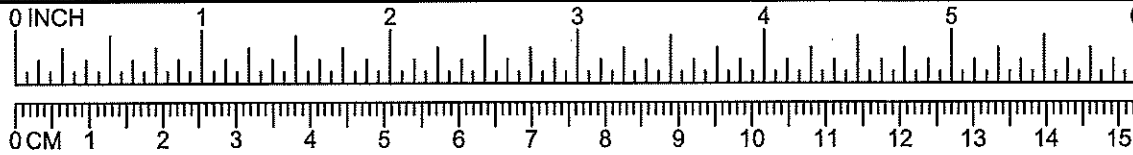
196

DETAILS -for- 81274-81279 & 81323-81326 & 81330

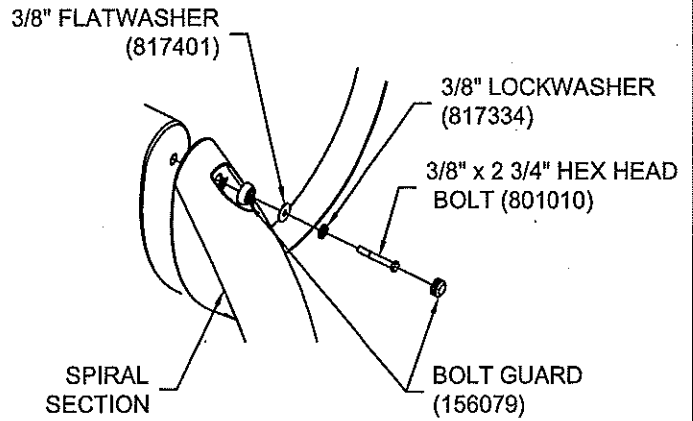
IMPORTANT

To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.

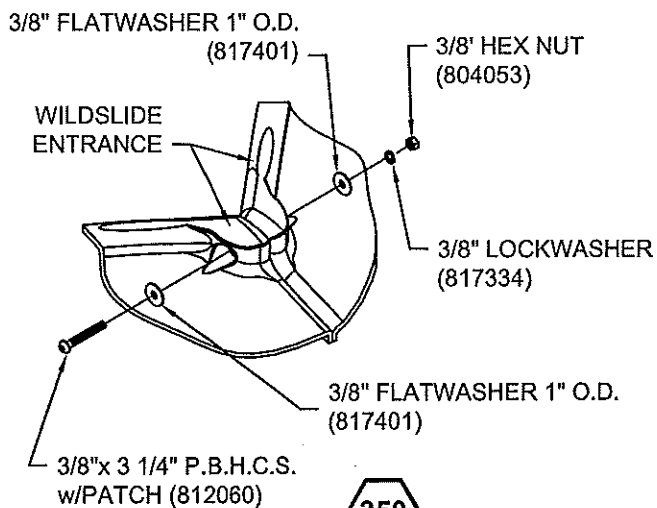


198

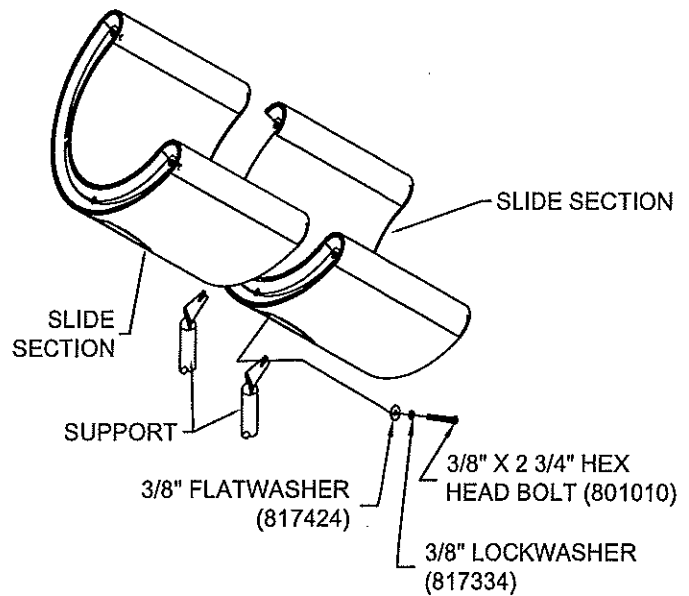


FOR 81324 SPIRAL SECTION ONLY

349



350



366

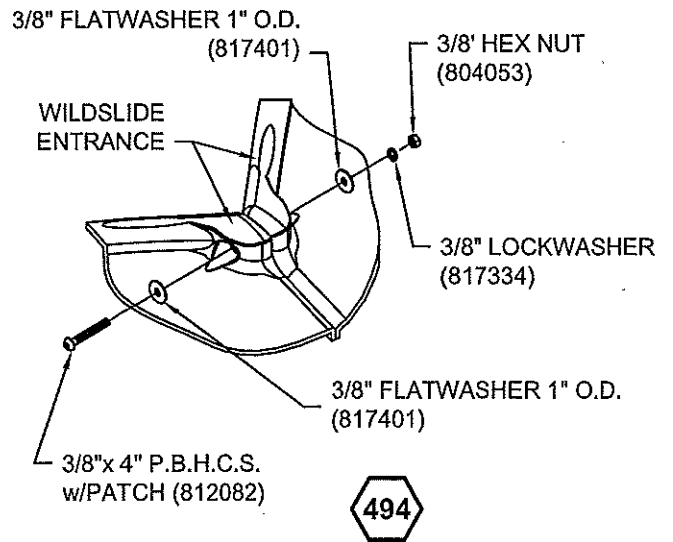
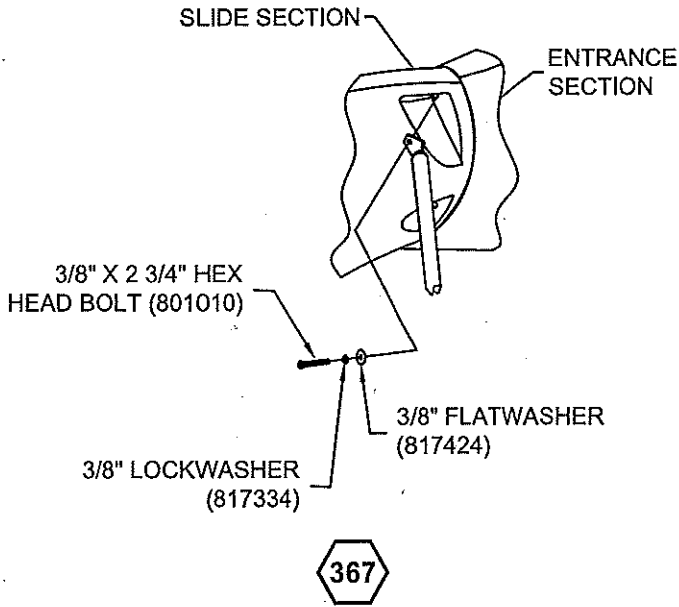
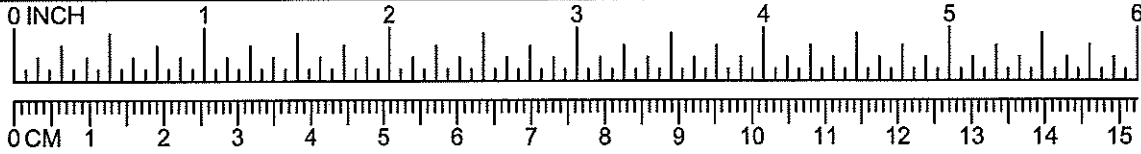
DUE TO VARYING THICKNESS OF WILDSLIDE ENTRANCE EXTRA HARDWARE IS SUPPLIED. CHOOSE LENGTH THAT DOES NOT CAUSE PROTRUSION.

DETAILS -for- 81274-81279 & 81323-81326 & 81330

IMPORTANT

To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.







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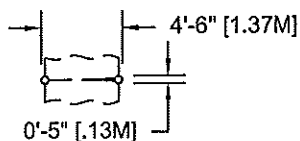
ISSUED/REVISED: 11/16/10

**HANDHOLD
KICK PLATE PKG.**

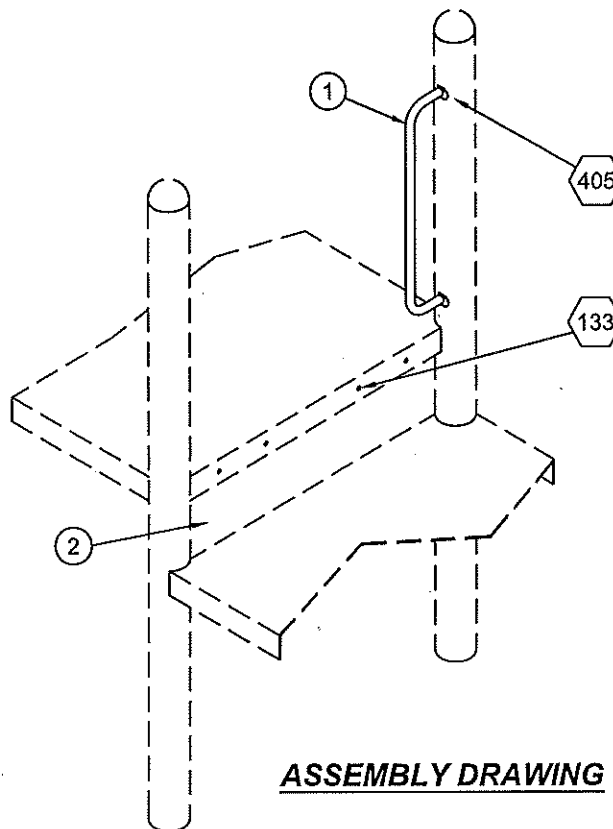
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

**INSTALLATION
INSTRUCTIONS**

Note: Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

| REF NO. | DESCRIPTION | NO. REQ'D. | PART NUMBER |
|---------|----------------------------------|------------|-------------|
| 1 | Handhold Ass'y | 1 | 177207 |
| 2 | Filler/Kick Plate | 1 | 139253 |
| | <i>Hardware Complete</i> | 1 | 177009 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/Patch | 4 | 812051* |
| | 3/8" Lockwasher | 12 | 817334* |
| | 3/8" x 1" P.B.H.C.S. w/Patch | 8 | 812050* |
| | 3/8" Flatwasher (1 1/4" O.D.) | 8 | 817424* |
| | 3/8" Hex Nut | 8 | 804053* |

*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

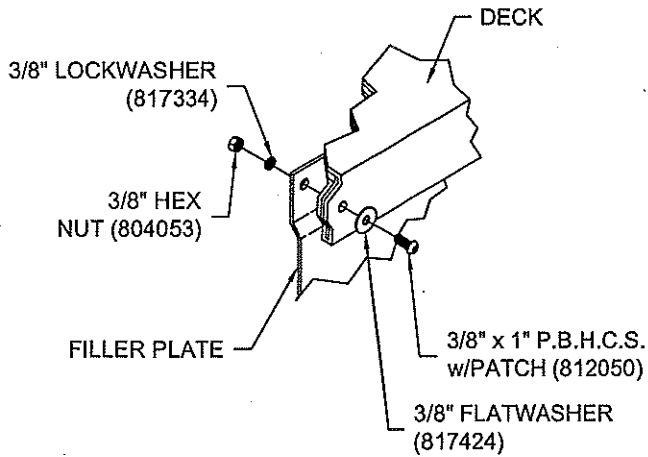
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80687

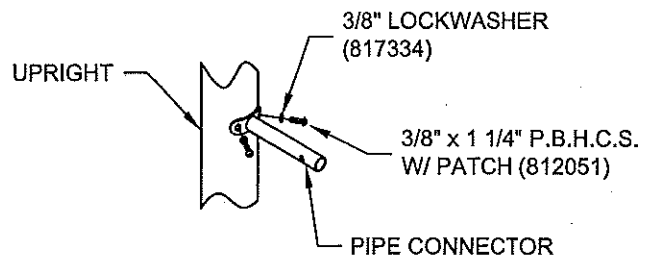
IMPORTANT

To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



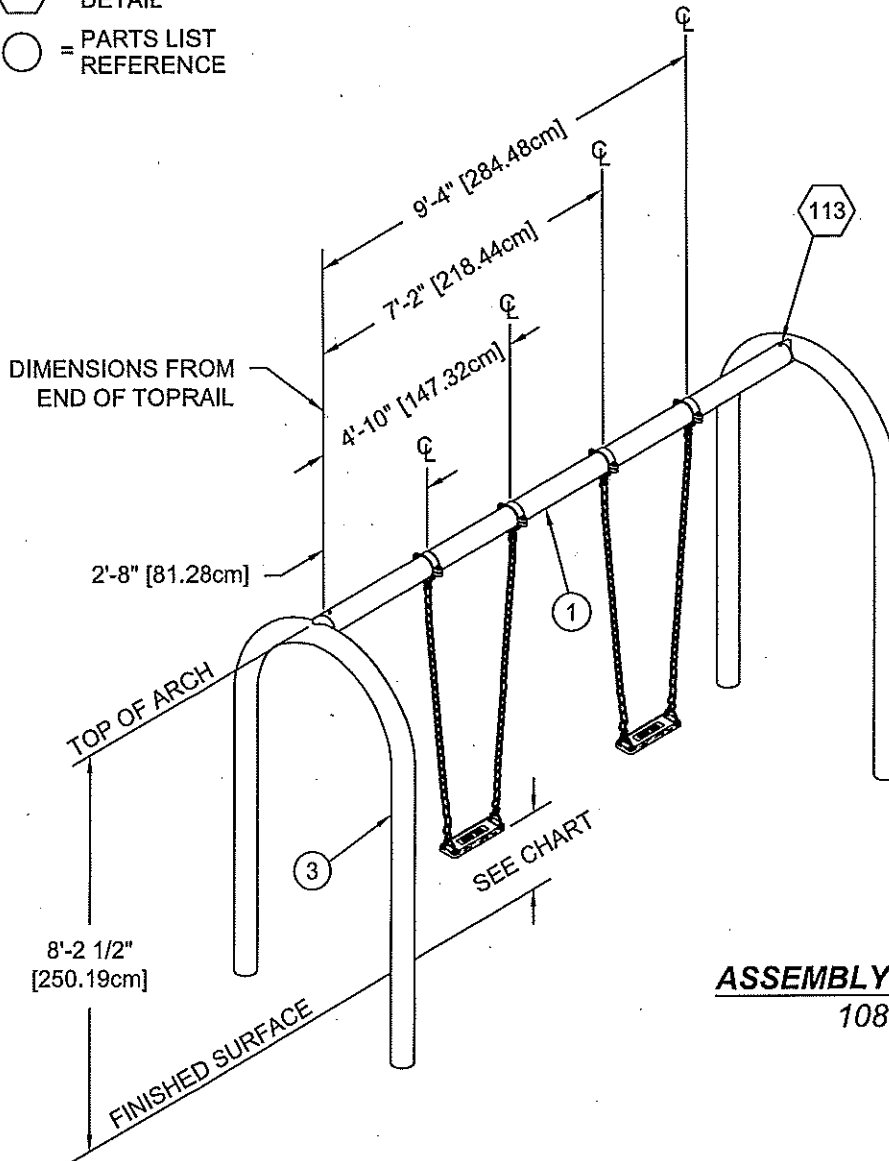
133



405

**NOTE: 10847 FREESTANDING
10848 ADD-A-BAY**

- ⬡ = INSTALLATION DETAIL
- = PARTS LIST REFERENCE



INSTALLATION INSTRUCTIONS

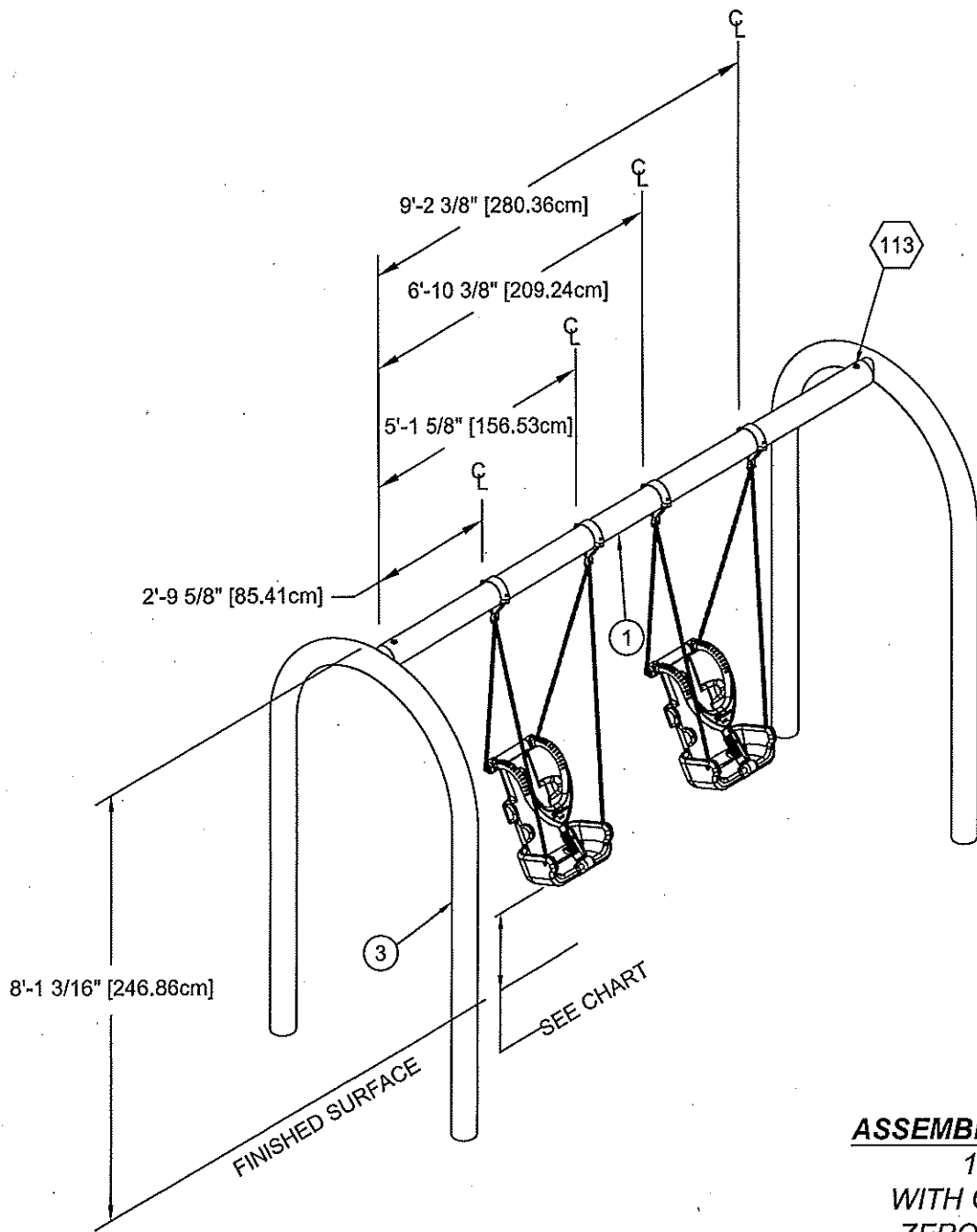
- 1.) Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- 2.) Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

ASSEMBLY DRAWING 10847

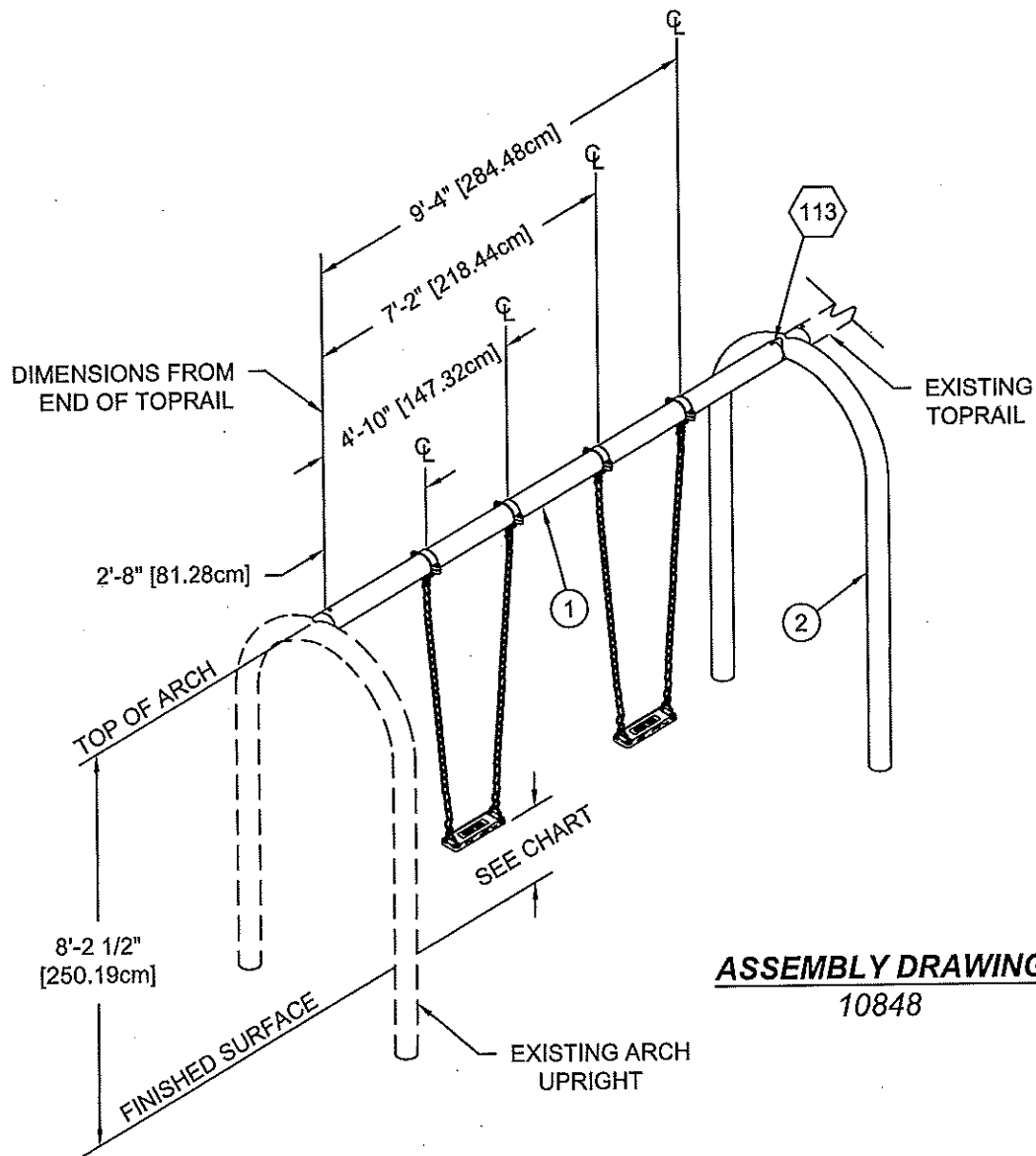
NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWINGS NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|--|---------------------|-----------------|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 1'-2" [35.56cm] | 1'-6" [45.72cm] |
| ASTM | 1'-0" [30.48cm] | N/A |
| DIN | 1'-3 3/4" [40.00cm] | N/A |
| CPSC | N/A | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]



ASSEMBLY DRAWING
 10847
 WITH OPTIONAL
 ZERO-G CHAIR



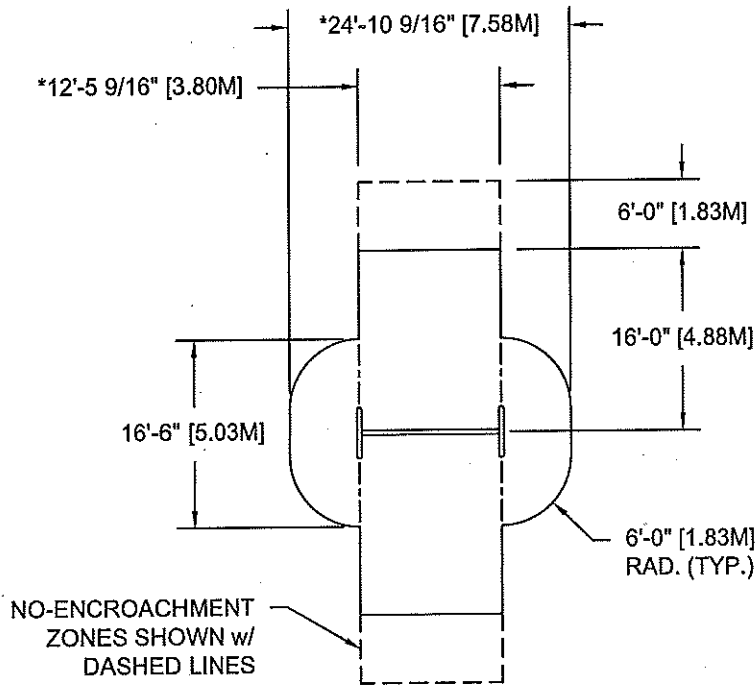
ASSEMBLY DRAWING
10848

PARTS LIST

| REF. NO. | DESCRIPTION | NO. REQ'D | | PART NUMBER |
|----------|-------------------------------|-----------|-------|-------------|
| | | 10847 | 10848 | |
| 1 | 5" O.D. 2-Place Swing Toprail | 1 | 1 | 157391 |
| 2 | Multi-Bay Arch Upright Ass'y | 0 | 1 | 147009 |
| 3 | Arch End Upright Ass'y | 2 | 0 | 147006 |
| | Hardware Complete | 1 | 1 | 147013 |
| | 1/2" x 5 1/2" B.H.C.S. | 2 | 2 | 811071* |
| | 1/2" Hex Nut | 2 | 2 | 804055* |
| | 1/2" Lockwasher | 2 | 2 | 817342* |
| | Manufacturer I.D. Label | 1 | 1 | 159151* |

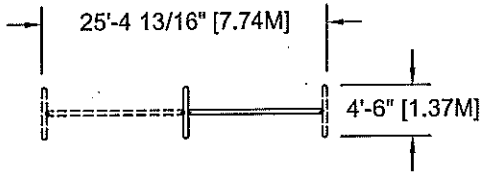
*Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware*

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

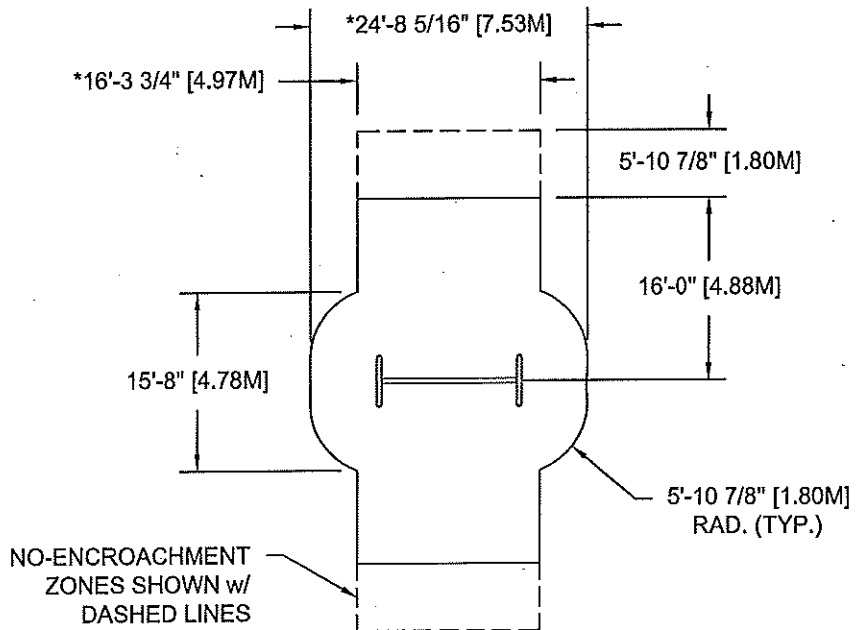


TOP VIEWS

10847



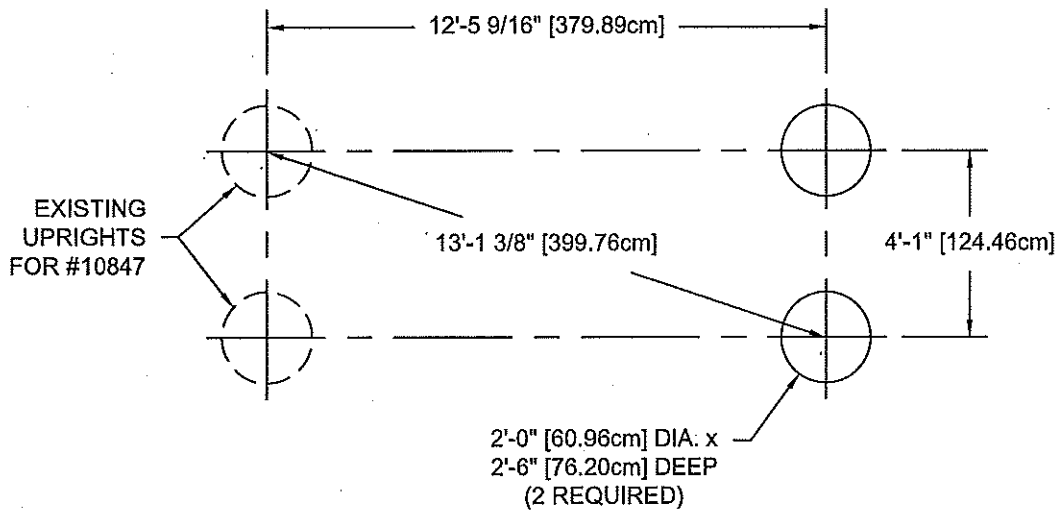
10848



10847 (CSA ONLY)

NOTE:

1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA NO ENCROACHMENT ZONE (CANADA ONLY).
4. *EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ZONE SURFACING, AND NO ENCROACHMENT ZONE DIMENSIONS BY 10'-5\"/>



GROUND PLAN

NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.

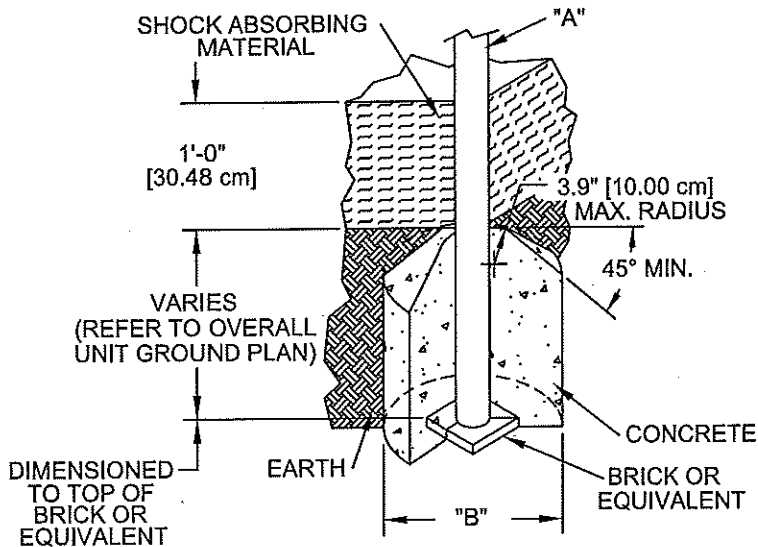
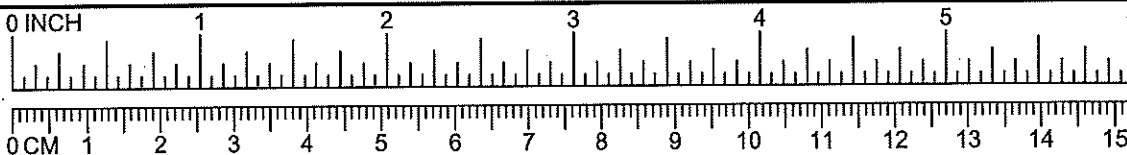
Approximate Concrete Required:
.69 Cubic Yards
[.53 Cubic Meters]
Required Per Arch

DETAILS -for- 10847 & 10848

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



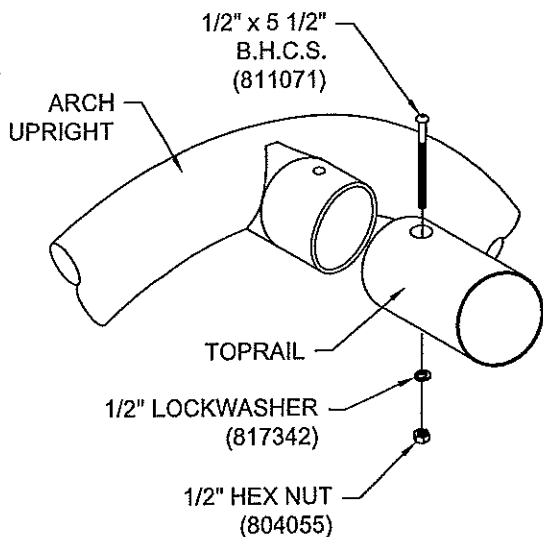
| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|--------------------------------|----------------------------|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72 cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



IMPORTANT


TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.



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1-800-235-2440

8691 SEAT

ISSUED/REVISED: 01/08/08

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

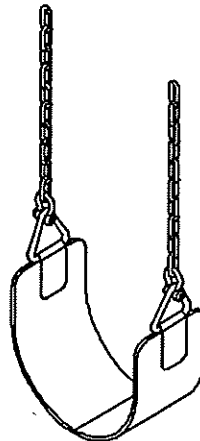


8695, CC8695, 8696, CC8696, 8914,
CC8914, SS8914, SS8695, SS8696

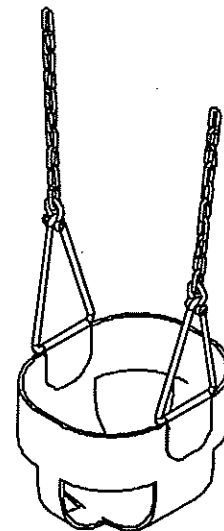


8908, CC8908, 8909, CC8909, 8910,
CC8910, 8911, CC8911, 8918,
CC8918, 8915, SS8918, SS8908,
SS8910, SS8909, SS8911

BELT SEAT 8691
FULLY ENCLOSED SEAT 8693
8695, 8696, 8908, 8909, 8910, 8911,
8914, 8918, CC8695, CC8696,
CC8908, CC8909, CC8910, CC8911,
CC8914, CC8918, SS8914, SS8695,
SS8696, SS8918, SS8908, SS8910,
SS8909, SS8911
SEAT PACKAGES



8691



8693

SPECIFICATIONS

*Rights are reserved to discontinue or change specifications without notice.

*Fully Enclosed Seats shall be fabricated with .025" thick stainless steel inserts covered by a dark green colored EPDM rubber.

*Commercial Belt Seat - an extra piece of fluted rubber at the front and back of seat gives it a cushion bumper.

*NOTE: Weights are based on average comparisons of each part.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- Never add components not intended for use with this product.
- Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

PARTS LIST -for- SEATS

| DESCRIPTION | NO. REQD | | PART NO. |
|-----------------------------|----------|------|----------|
| | 8693 | 8691 | |
| Belt Seat | 0 | 1 | 153738 |
| Enclosed Tot Seat | 1 | 0 | 153746 |
| Hardware Complete | 1 | 1 | 167359 |
| Swing Clevis | 2 | 2 | 166683* |
| 1/2" Pin-In Hex Bit (5/16") | 1 | 1 | 812644* |

PARTS LIST -for- SEAT PACKAGES

| DESCRIPTION | NO. REQUIRED | | | | | | PART NO. |
|----------------------------|--------------|------|------|--------|--------|--------|----------|
| | 8914 | 8695 | 8696 | CC8914 | CC8695 | CC8696 | |
| Enclosed Tot Seat | 1 | 1 | 1 | 1 | 1 | 1 | 8693 |
| Swing Hanger (2-3/8" O.D.) | 0 | 2 | 0 | 0 | 2 | 0 | 1461 |
| Swing Hanger (3-1/2" O.D.) | 0 | 0 | 2 | 0 | 0 | 2 | 1462 |
| Swing Hanger (5" O.D.) | 2 | 0 | 0 | 2 | 0 | 0 | 1487 |
| Chain | 2 | 2 | 2 | 0 | 0 | 0 | 131904 |
| Coated Chain | 0 | 0 | 0 | 2 | 2 | 2 | 141140 |

Unless otherwise specified, all units of measure are each.

**Included in Hardware Complete.*

NOTE: "CC" prefix before package number indicates seat with coated chain.

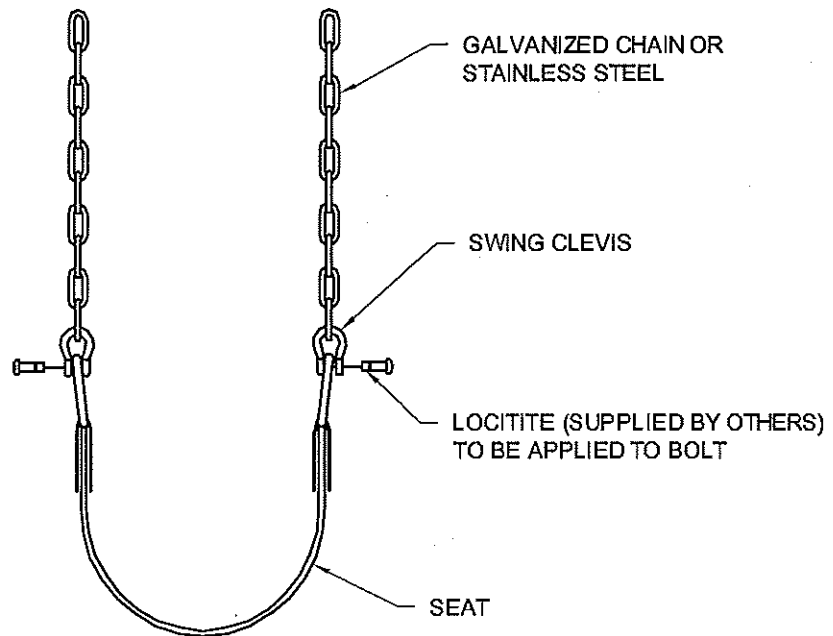
PARTS LIST for SEAT PACKAGES

| DESCRIPTION | NO. REQUIRED | | | | | | | | PART NO. |
|-----------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 8691 | 8918 | CC8918 | 8908 | 8910 | 8909 | 8911 | | |
| Belt Seat | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 8691 |
| Swing Hanger (2-3/8" O.D.) | 0 | 0 | 0 | 2 | 0 | 2 | 0 | | 1461 |
| Swing Hanger (3-1/2" O.D.) | 0 | 0 | 0 | 0 | 2 | 0 | 2 | | 1462 |
| Swing Hanger (5" O.D.) | 0 | 2 | 2 | 0 | 0 | 0 | 0 | | 1487 |
| Chain | 0 | 2 | 0 | 0 | 0 | 0 | 0 | | 103052 |
| Coated Chain | 0 | 0 | 2 | 0 | 0 | 0 | 0 | | 153864 |
| Chain | 0 | 0 | 0 | 2 | 2 | 0 | 0 | | 166892 |
| Chain | 0 | 0 | 0 | 0 | 0 | 2 | 2 | | 153867 |
| Swing Clevis | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 166883* |
| 1/2" Pin-In Hex Bit (5/16") | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 812644* |
| | | | | CC8908 | CC8910 | CC8909 | CC8911 | | |
| Belt Seat | | | | 1 | 1 | 1 | 1 | | 8691 |
| Swing Hanger (2-3/8" O.D.) | | | | 2 | 0 | 2 | 0 | | 1461 |
| Swing Hanger (3-1/2" O.D.) | | | | 0 | 2 | 0 | 2 | | 1462 |
| Coated Chain | | | | 2 | 2 | 0 | 0 | | 153869 |
| Coated Chain | | | | 0 | 0 | 2 | 2 | | 153868 |
| | SS8914 | SS8695 | SS8696 | SS8918 | SS8908 | SS8910 | SS8909 | SS8911 | |
| Enclosed Tot Seat | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 8693 |
| Belt Seat | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 8691 |
| Swing Hanger (2-3/8" O.D.) | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 1461* |
| Swing Hanger (3-1/2" O.D.) | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 1462* |
| Swing Hanger (5" O.D.) | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1487* |
| Stainless Steel Chain | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 177993* |
| Stainless Steel Chain | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 177994* |
| Stainless Steel Chain | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 177991* |
| Stainless Steel Chain | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 177990* |

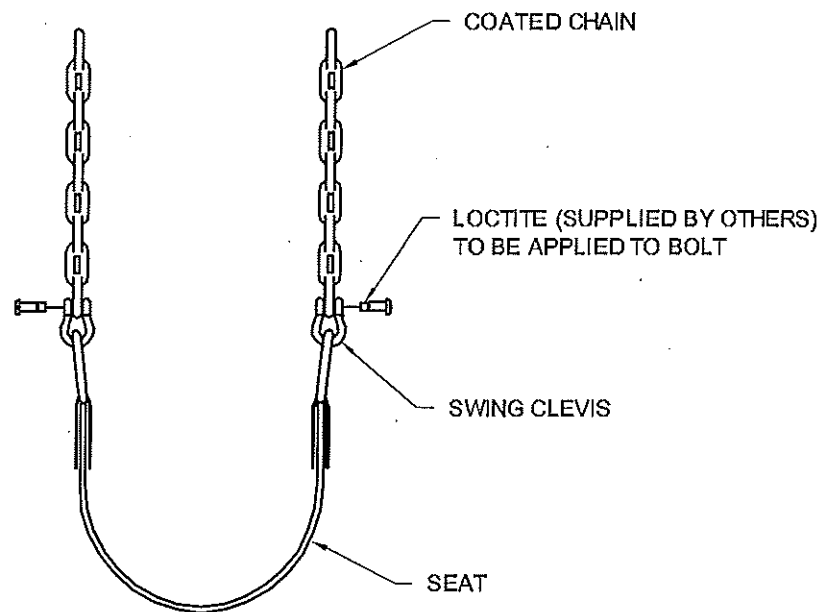
Unless otherwise specified, all units of measure are each.

*Included in Hardware Complete.

NOTE: "CC" prefix before package number indicates seat with coated chain.





SEAT ASSEMBLY
(WITH GALVANIZED CHAIN
OR STAINLESS STEEL)



SEAT ASSEMBLY
(WITH COATED CHAIN)

1461 SWING HANGER

ISSUED/REVISED: 01/08/08

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

GALVANIZED 1461
GALVANIZED 1462
PAINTED 1463
PAINTED 1485
PAINTED 1486
GALVANIZED 1487

SPECIFICATIONS

MATERIAL: All swing hanger castings shall be cast of malleable iron.

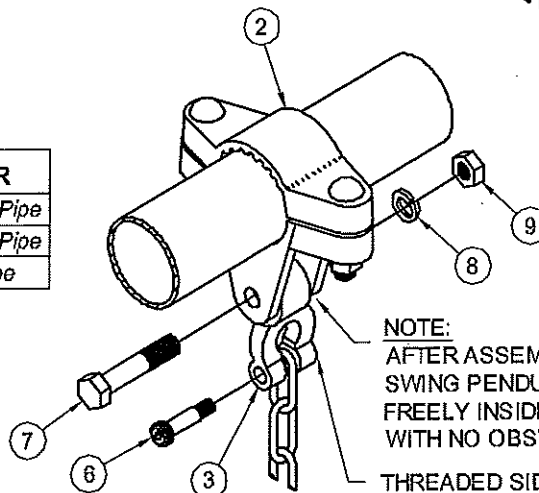
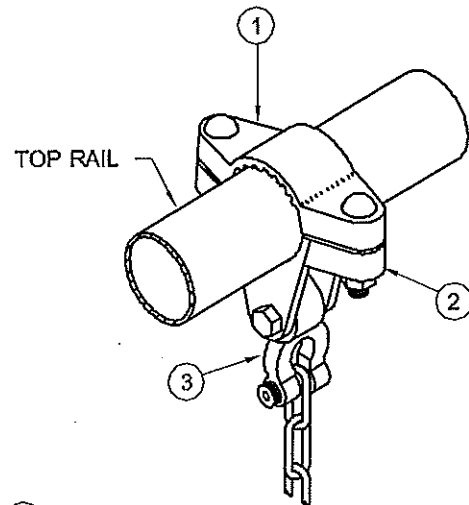
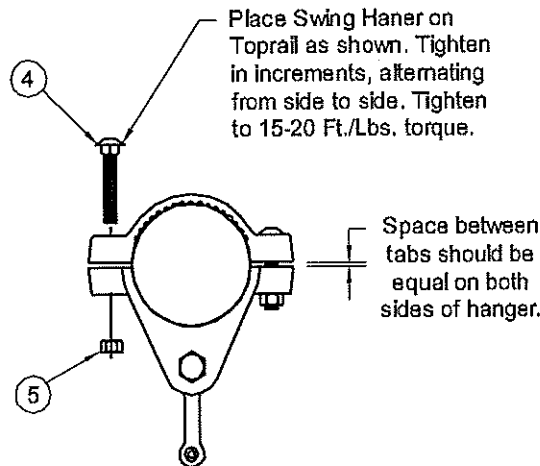
HARDWARE: All Carriage bolts, lockwashers, hex nuts, and shoulder bolts shall be zinc plated with a clear chromate coating.

FINISH: All top and bottom clevis parts shall be galvanized or powder coated. The swing pendulum shall be galvanized only.

CONSTRUCTION: The swing hanger shall consist of a top clevis, bottom clevis, and swing pendulum. The top clevis shall have a non-slip-serrated surface. The pendulum shall incorporate a factory installed bronze bushing. The pendulum shall be attached to the bottom clevis with 1/2" x 2-1/2" hex bolt, 1/2" lockwasher, and 1/2" hex nut. The top and bottom clevis shall be attached with 3/8" carriage bolt and 3/8" lock nut.

SPECIFICATIONS: GAMETIME has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

| PAINTED | GALVANIZED | PIPE DIAMETER |
|---------|------------|---------------------------|
| 1485 | 1461 | 2-3/8" [6.03cm] O.D. Pipe |
| 1486 | 1462 | 3-1/2" [8.89cm] O.D. Pipe |
| 1463 | 1487 | 5" [12.70cm] O.D. Pipe |



NOTE:
AFTER ASSEMBLY IS COMPLETE,
SWING PENDULUM SHOULD PIVOT
FREELY INSIDE OF BOTTOM CLEVIS
WITH NO OBSTRUCTION.

THREADED SIDE
OF PENDULUM

PARTS LIST

| Ref. NO. | DESCRIPTION | NO. REQUIRED | | | | | | PART NO. |
|-------------|-----------------------------|--------------|------|------|------|------|------|-------------|
| | | 1461 | 1462 | 1463 | 1485 | 1486 | 1487 | |
| 1 | Top Clevis | 1 | 0 | 0 | 0 | 0 | 0 | 157000 |
| 1 | Top Clevis | 1 | 1 | 0 | 0 | 0 | 0 | 157002 |
| 1 | Top Clevis | 0 | 0 | 1 | 0 | 0 | 0 | 157382 |
| 1 | Top Clevis | 0 | 0 | 0 | 1 | 0 | 0 | 158223 |
| 1 | Top Clevis | 0 | 0 | 0 | 0 | 1 | 0 | 158221 |
| 1 | Top Clevis | 0 | 0 | 0 | 0 | 0 | 1 | 157005 |
| 2 | Bottom Clevis | 1 | 0 | 0 | 0 | 0 | 0 | 157011 |
| 2 | Bottom Clevis | 0 | 1 | 0 | 0 | 0 | 0 | 157012 |
| 2 | Bottom Clevis | 0 | 0 | 1 | 0 | 0 | 0 | 157383 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 1 | 0 | 0 | 158233 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 0 | 1 | 0 | 158230 |
| 2 | Bottom Clevis | 0 | 0 | 0 | 0 | 0 | 1 | 157013 |
| 3 | Swing Pendulum | 1 | 1 | 1 | 1 | 1 | 1 | 157010 |
| 4 | 3/8" x 2" Carriage Bolt | 2 | 2 | 0 | 2 | 2 | 0 | 800256 |
| 4 | 3/8" x 1-3/4" Carriage Bolt | 0 | 0 | 2 | 0 | 0 | 2 | 800290 |
| 5 | 3/8" Lock Nut | 2 | 2 | 2 | 2 | 2 | 2 | 804353 |
| 6 | 3/8" x 1" Shoulder Bolt | 1 | 1 | 1 | 1 | 1 | 1 | 811226 |
| 7 | 1/2" x 2-1/2" Hex Bolt | 1 | 1 | 1 | 1 | 1 | 1 | 801200 |
| 8 | 1/2" Lockwasher | 1 | 1 | 1 | 1 | 1 | 1 | 817342 |
| 9 | 1/2" Hex Nut | 1 | 1 | 1 | 1 | 1 | 1 | 804055 |

Unless otherwise specified, all units of measure are each.

Power Scape®

A PLAYCORE COMPANY
GameTime®

Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 11/8/10



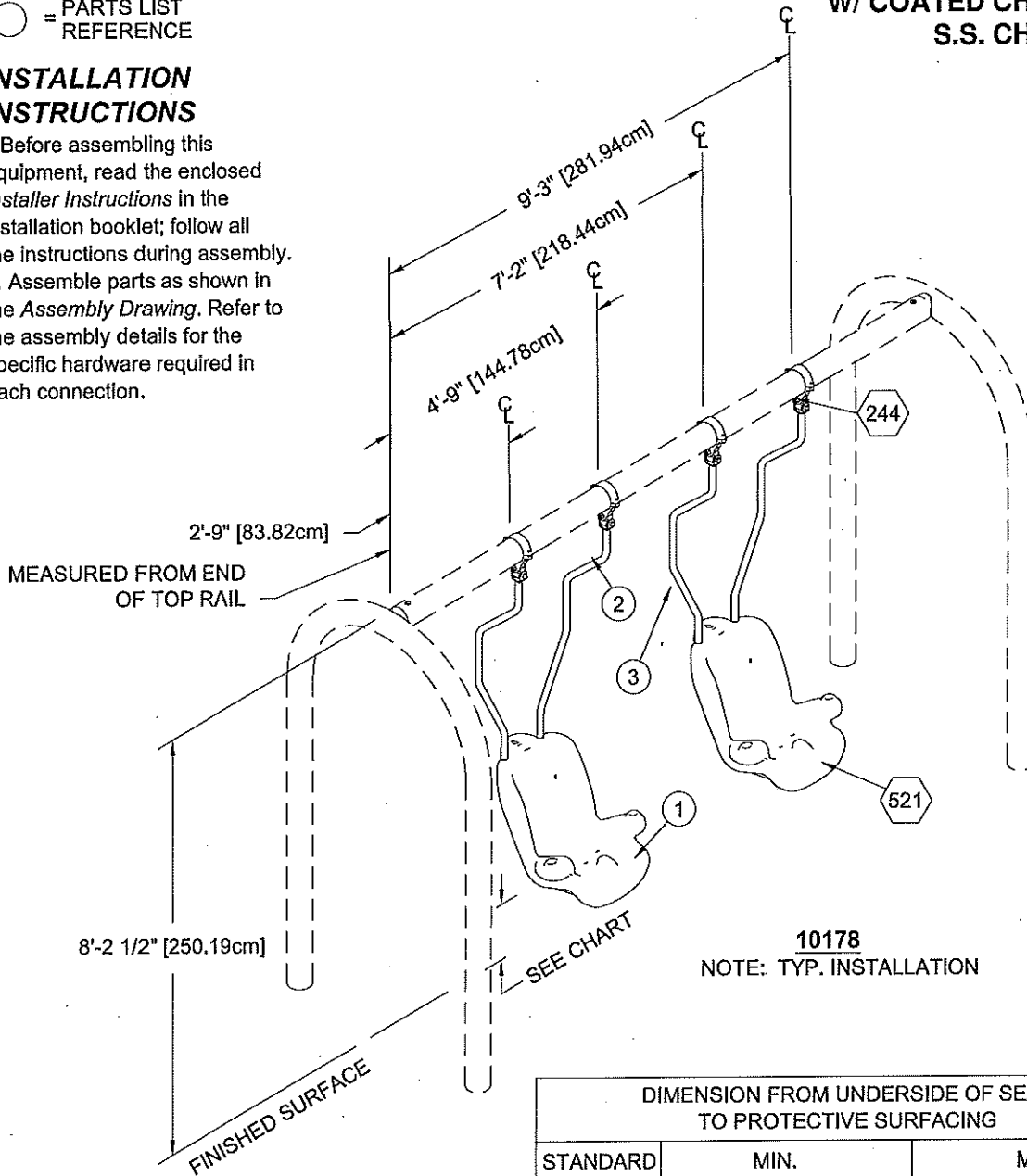
10178 ADAPTIVE SWING

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

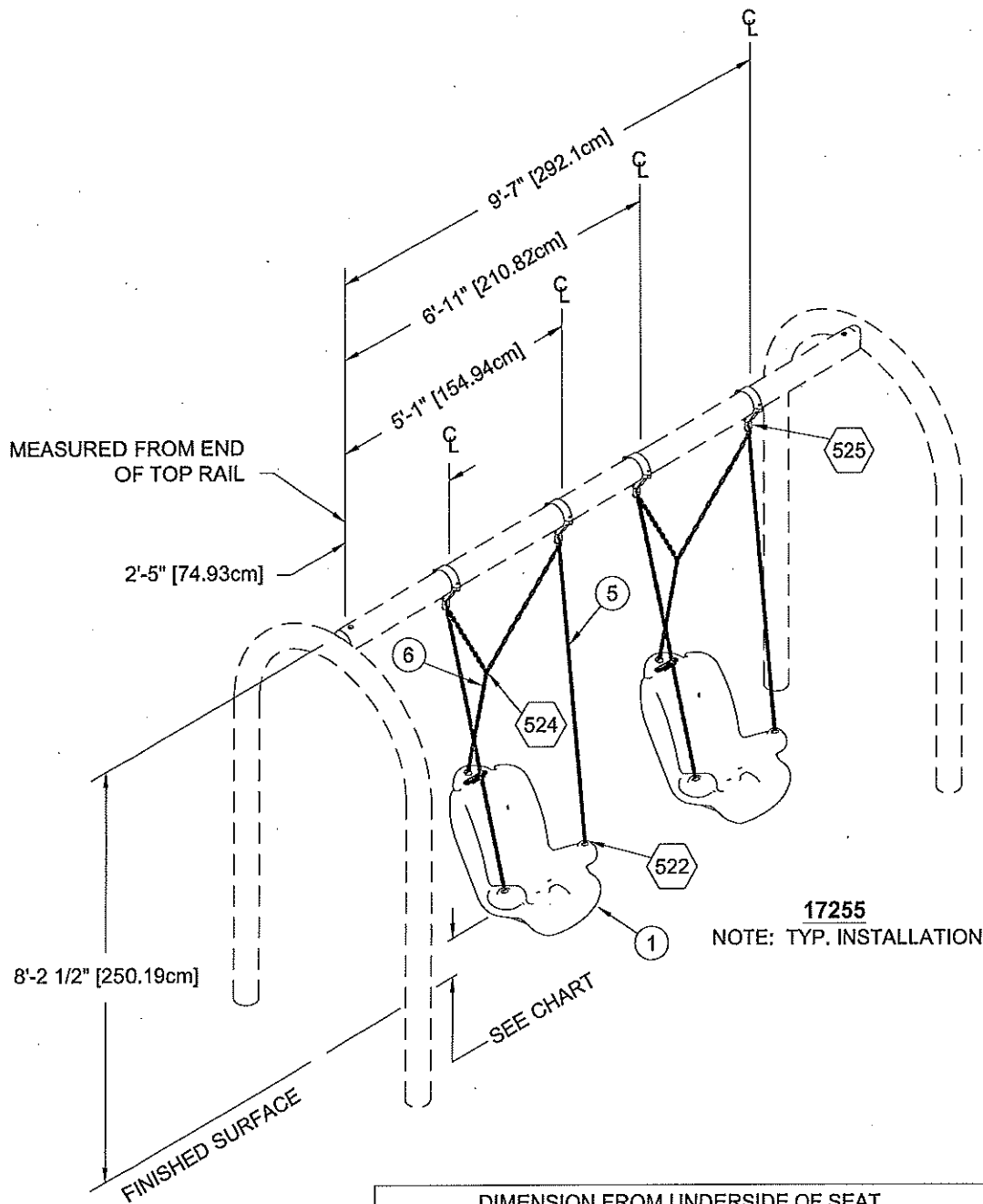
- W/ RUNGS 10178
- W/ CHAIN 17255
- W/ COATED CHAIN 17256
- S.S. CHAIN SS7255



10178
NOTE: TYP. INSTALLATION

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|--|---------------------|-----------------|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 1'-2" [35.56cm] | 1'-6" [45.72cm] |
| ASTM | 1'-0" [30.48cm] | N/A |
| DIN | 1'-3 3/4" [40.00cm] | N/A |
| CPSC | N/A | N/A |

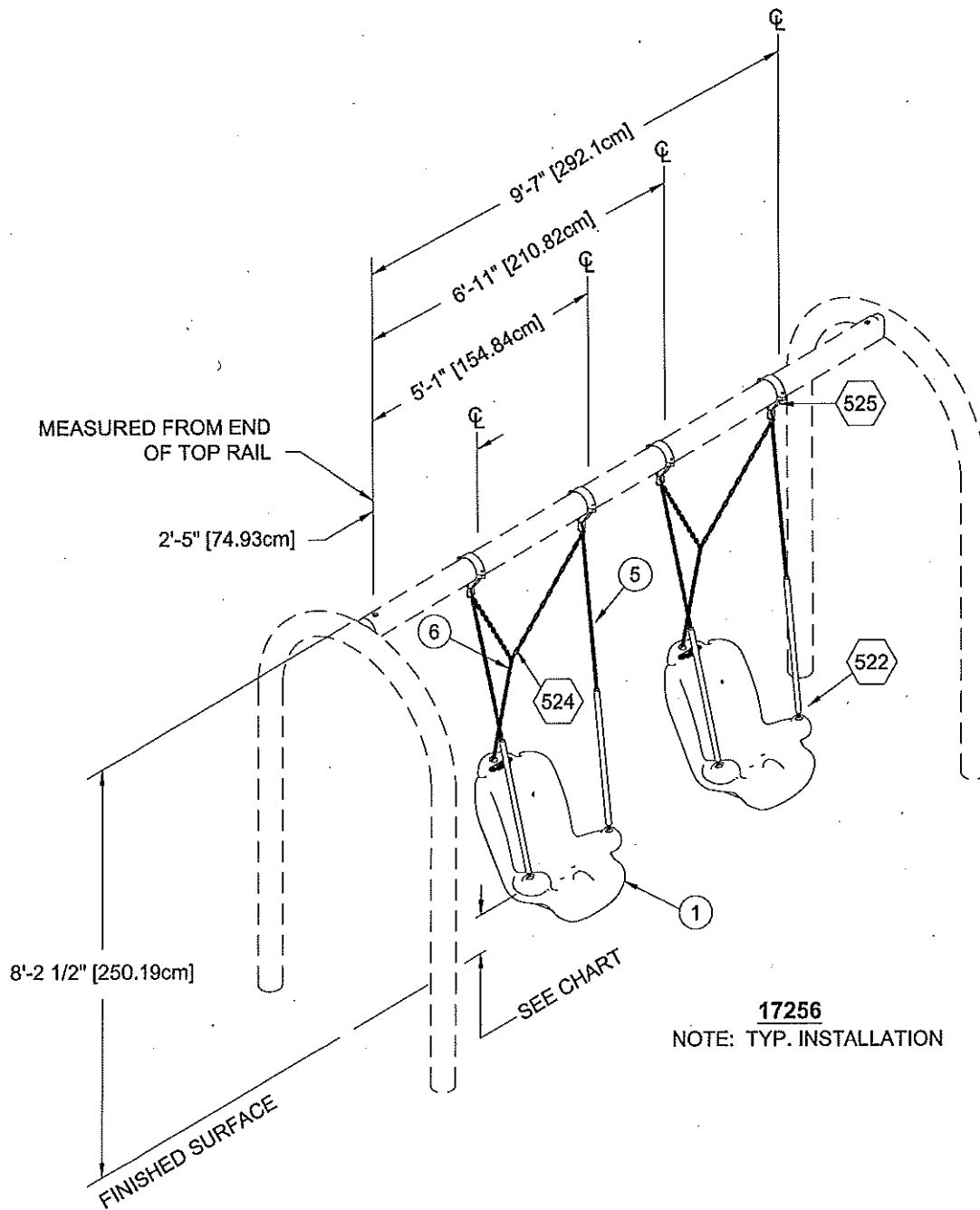
* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]



17255
NOTE: TYP. INSTALLATION

| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|--|---------------------|-----------------|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 1'-2" [35.56cm] | 1'-6" [45.72cm] |
| ASTM | 1'-0" [30.48cm] | N/A |
| DIN | 1'-3 3/4" [40.00cm] | N/A |
| CPSC | N/A | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]



| DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING | | |
|--|---------------------|-----------------|
| STANDARD | MIN. | MAX. |
| *CANADIAN | 1'-2" [35.56cm] | 1'-6" [45.72cm] |
| ASTM | 1'-0" [30.48cm] | N/A |
| DIN | 1'-3 3/4" [40.00cm] | N/A |
| CPSC | N/A | N/A |

* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

PARTS LIST

| REF. NO. | DESCRIPTION | NO. REQ'D. | | | | PART NUMBER |
|-------------|-----------------------------|------------|-------|-------|--------|----------------|
| | | 10178 | 17255 | 17256 | SS7255 | |
| 1 | Adaptive Swing Seat | 1 | 1 | 1 | 1 | 166082 |
| 2 | Right Support Arm | 1 | 0 | 0 | 0 | 200637 |
| 3 | Left Support Arm | 1 | 0 | 0 | 0 | 200634 |
| 4 | Safe-T-Grip Chain, 94" Lg. | 0 | 0 | 2 | 0 | 167451 |
| | Hardware Complete | 1 | 0 | 0 | 0 | 200684 |
| | Hardware Complete | 0 | 1 | 0 | 0 | 166924 |
| | Hardware Complete | 0 | 0 | 1 | 0 | 166881 |
| | Hardware Complete | 0 | 0 | 0 | 1 | 178034 |
| 5 | Chain, 94" Lg. | 0 | 2 | 0 | 0 | 166921* |
| 6 | Chain, 24 5/8" Lg. | 0 | 1 | 1 | 0 | 166922* |
| 5 | Chain, 94" Lg. | 0 | 0 | 0 | 2 | 177999* |
| 6 | Chain, 24 5/8" Lg. | 0 | 0 | 0 | 1 | 177989* |
| | Swing Clevis | 0 | 1 | 1 | 1 | 166683* |
| | 1/4" x 2 3/4" B.H.C.S | 4 | 0 | 0 | 0 | 811021* |
| | 1/4" Lockwasher | 4 | 0 | 0 | 0 | 817326* |
| | 1/4" Flatwasher 5/8" O.D. | 4 | 0 | 0 | 0 | 817408* |
| | 1/4" Tee Nut | 4 | 0 | 0 | 0 | 804559* |
| | 3/8" x 1 1/4" B.H.C.S. | 0 | 3 | 3 | 3 | 811051* |
| | 3/8" Hex Nut | 0 | 3 | 3 | 3 | 804053* |
| | Swing Hanger | 0 | 2 | 2 | 2 | 1487 |
| | Chain Plug Insert | 0 | 6 | 6 | 6 | 179799* |
| | 1/2" Pin-In Hex Bit (5/16") | 0 | 1 | 1 | 1 | 812644* |
| | Top Clevis | 2 | 0 | 0 | 0 | 157005* |
| | Bottom Clevis | 2 | 0 | 0 | 0 | 157013* |
| | 1/2" x 2 1/2" Hex Bolt | 4 | 0 | 0 | 0 | 801200* |
| | 1/2" Hex Nut | 4 | 0 | 0 | 0 | 804055* |
| | 1/2" Lockwasher | 4 | 0 | 0 | 0 | 817342* |
| | Pendulum | 2 | 0 | 0 | 0 | 200195* |
| | 3/8" x 1 3/4" Carriage Bolt | 4 | 0 | 0 | 0 | 800290* |
| | 3/8" Lock Nut | 4 | 0 | 0 | 0 | 804353* |

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

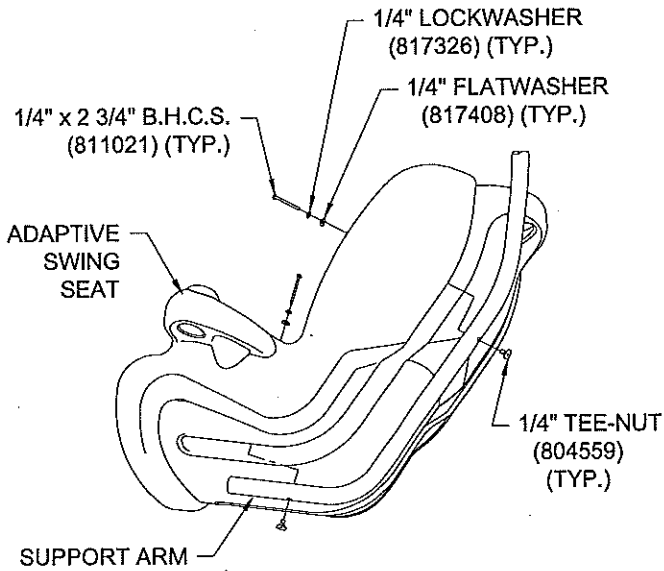
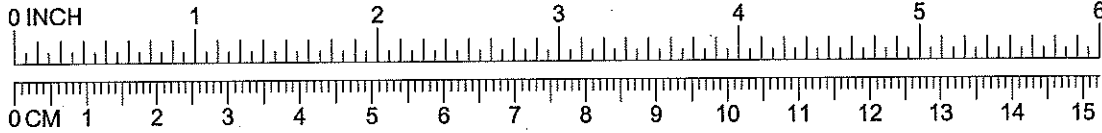
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 10178, 17255, 17256 & SS7255

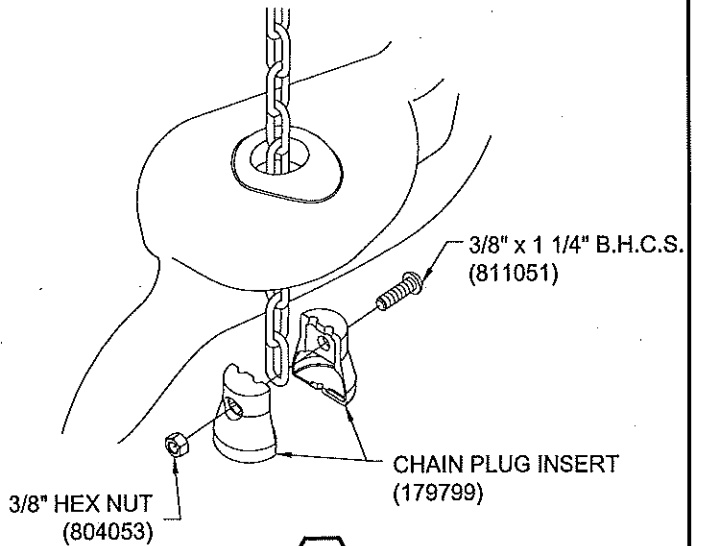
IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

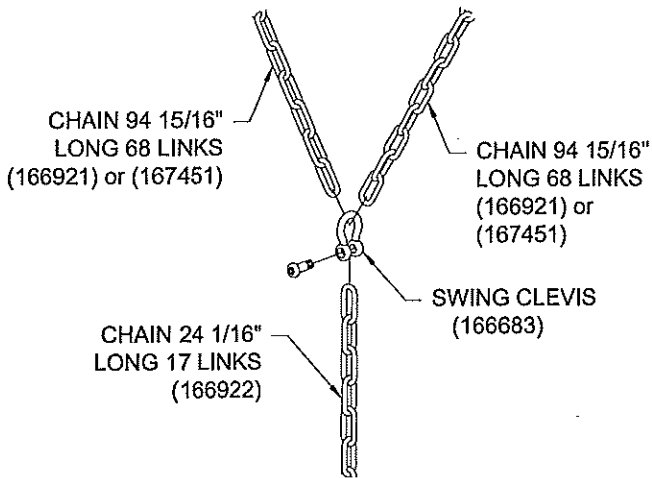
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



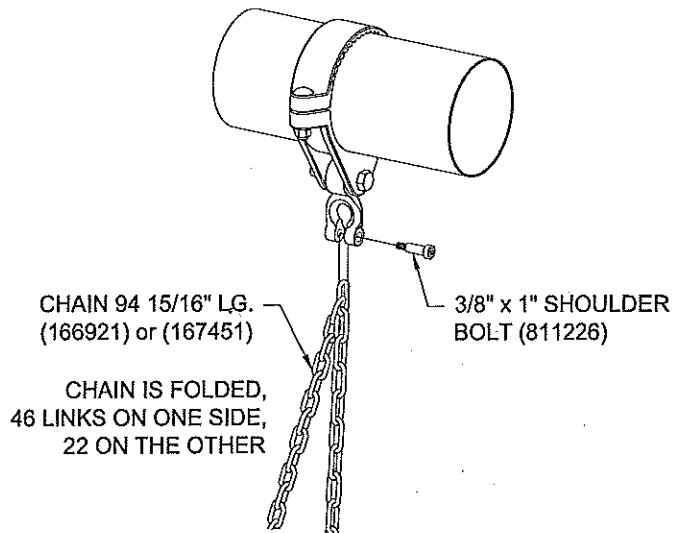
521



522



524



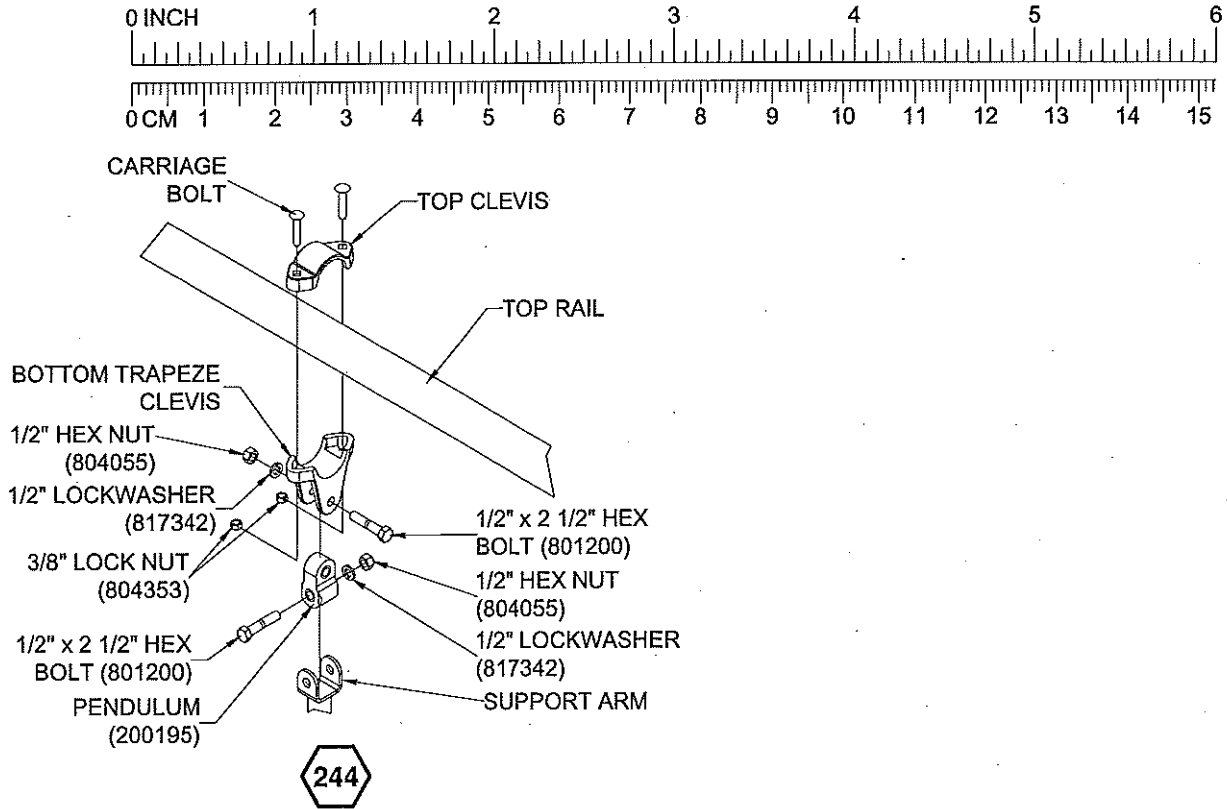
525

DETAILS -for- 10178, 17255, 17256 & SS7255

IMPORTANT

To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.







A PLAYCORE Company

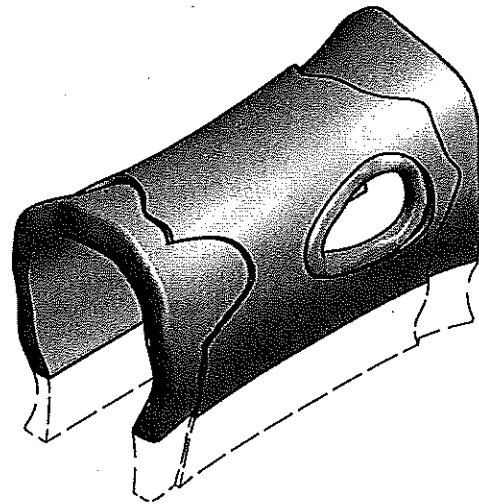
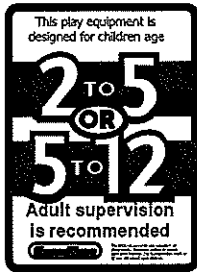
1-800-235-2440

ISSUED/REVISED: 10/4/11

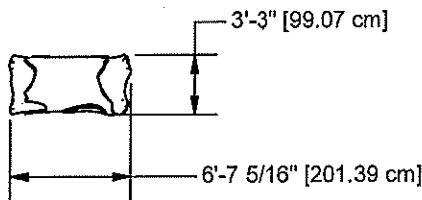
38112

LOG CRAWL THROUGH

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC): A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1" - 2" lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1 1/2" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers; for filling the irregular voids between mold-cast panels and/or special themed features. **Backup Material:** Shall be galvanized steel "diamond lath", tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.

| Parts List | | |
|------------|---|-----|
| REF. | DESCRIPTION | QTY |
| 1 | LOG CRAWL THROUGH | 1 |
| | 1/2" ANCHOR BOLT | 2 |
| | 1/2" x 4 1/4" WEDGE ANCHOR | 4 |
| | 1/2" HEX NUT | 2 |
| | 1/2" LOCKWASHER | 2 |
| | 2-5 OR 5-12 PLAY TRAILS AGE APPR. LABEL | 1 |

Unless Otherwise Specified, All Units of Measure are Each

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- All protruding nuts and bolts should be covered.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- Never add components not intended for use with this product.
- Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not over tighten bolts. To over tighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly.

STEP 1: Excavate for required footing size. 84"x42"x8" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Concrete rating 3000 psi min.

STEP 3: Carefully guide Fork Lift blades through center of

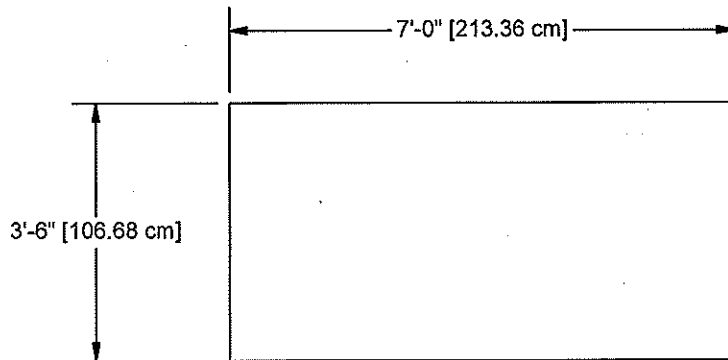
Log Crawl Through, or thread lifting strap through center and secure free ends to lifting machinery.

NOTE: Use included foam padding on fork blades or under the strap to prevent damage to GFRC finish.

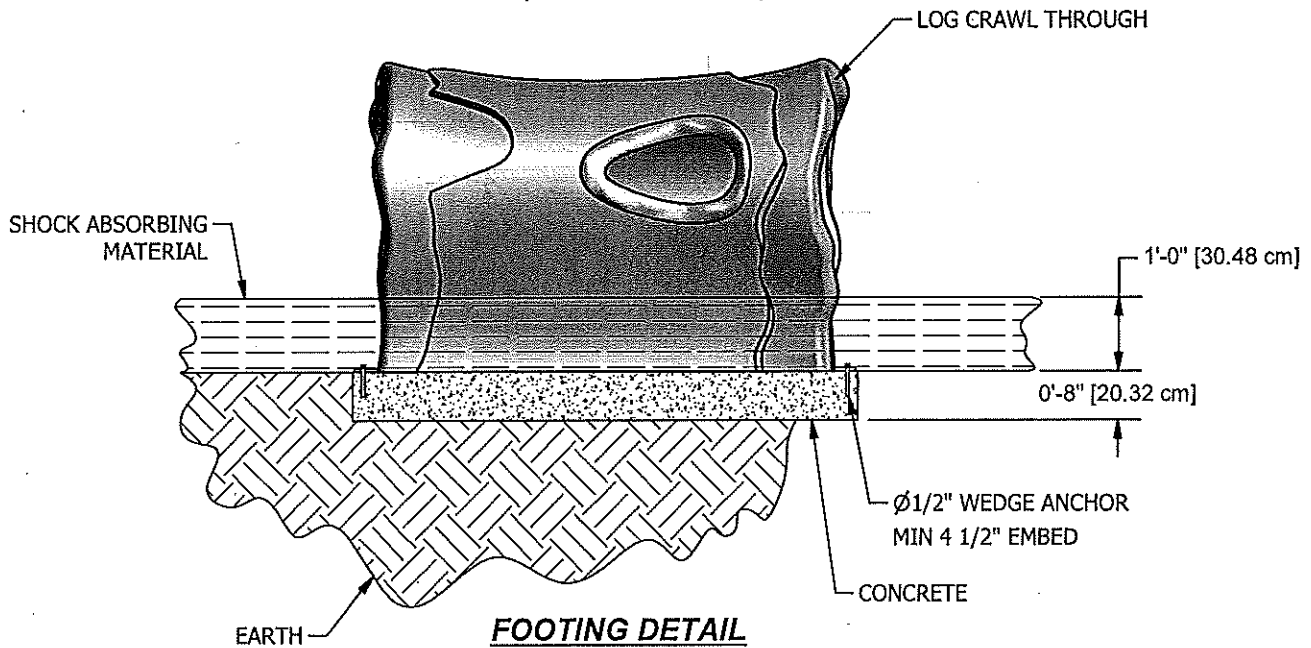
NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

STEP 4: Carefully place and center play feature onto fully cured concrete footing. Secure with wedge anchors (QTY 4)

STEP 5: Once concrete is fully cured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as need



GROUND PLAN
(SLAB FOOTING)



FOOTING DETAIL
(SLAB FOOTING LOOSE FILL)

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED (38110):
.61 CUBIC YARDS
.47 CUBIC METERS

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not over tighten bolts. To over tighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly.

STEP 1: Excavate for required footing size. 84"x42"x8" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Concrete rating 3000 psi min.

STEP 3: Carefully guide Fork Lift blades through center of

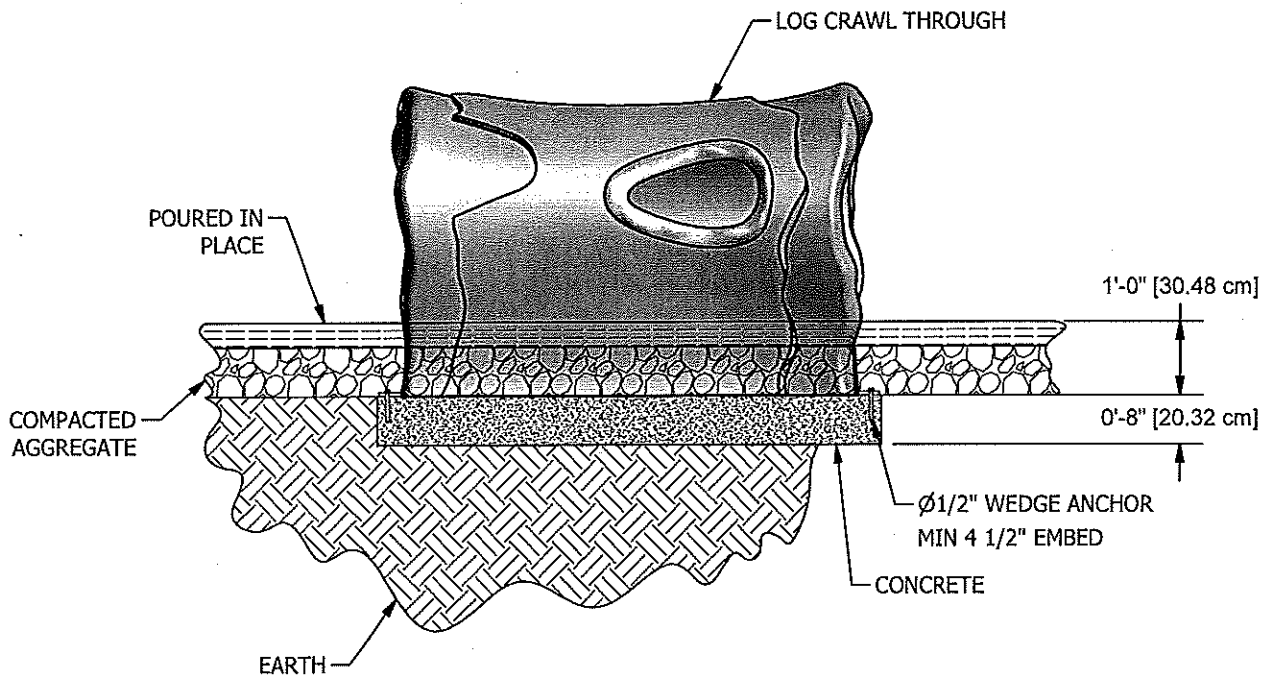
Log Crawl Through, or thread lifting strap through center and secure free ends to lifting machinery.

NOTE: Use included foam padding on fork blades or under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

STEP 4: Carefully place and center play feature onto fully cured concrete footing. Secure with wedge anchors (QTY 4)

STEP 5: Once concrete is fully cured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as need



FOOTING DETAIL
(SLAB FOOTING POURED IN PLACE)

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED (38110):
.42 CUBIC YARDS
.32 CUBIC METERS

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not over tighten bolts. To over tighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly.

STEP 1: Excavate for required footing holes. 18" dia x 18" depth min. Qty=2.

STEP 2: Carefully guide Fork Lift blades through center of Log Crawl Thru, or thread lifting strap through center and secure free ends to lifting machinery.

NOTE: Use included foam padding on fork blades or under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

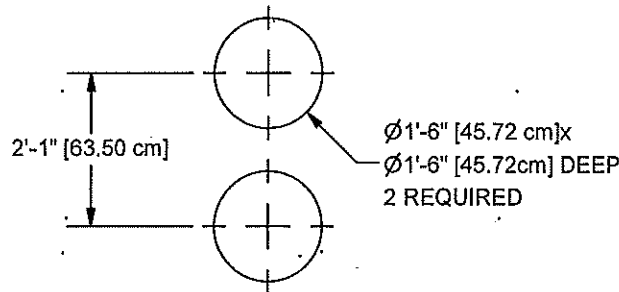
STEP 3: Carefully place Log Crawl Thru so that the threaded inserts are centered over footing holes.

STEP 4: Thread included J-bolts into inserts. Qty=2

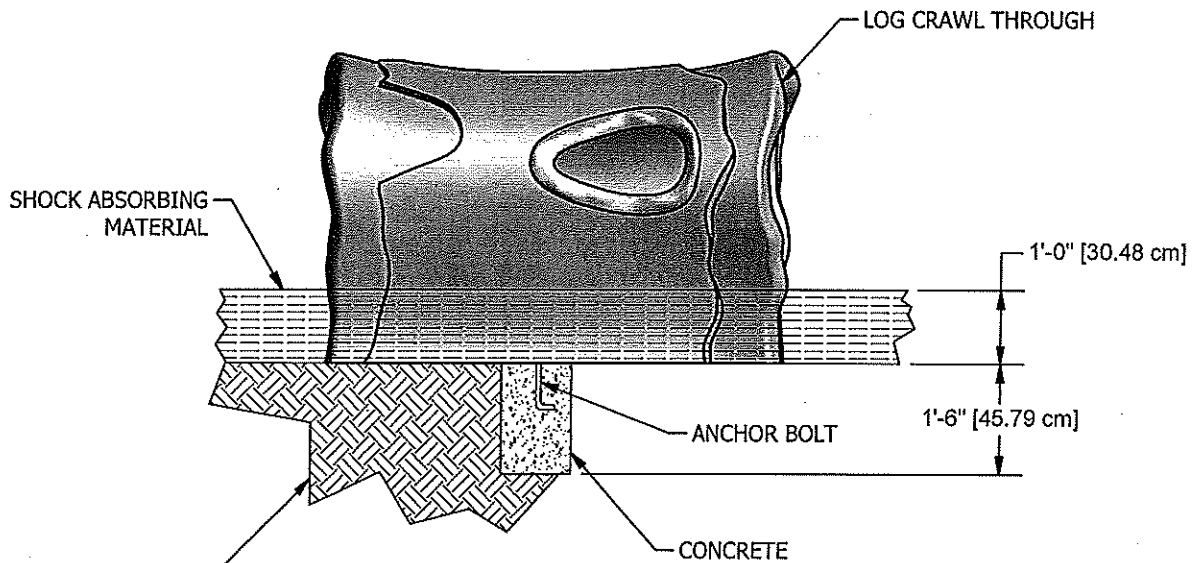
STEP 5: Fill footing holes with concrete.

NOTE: Concrete rating 3000 psi min.

STEP 6: Once concrete is fully cured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as needed.



GROUND PLAN
(AUGER FOOTING)



FOOTING DETAIL
(AUGER FOOTING LOOSE FILL)

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED (38110):

.20 CUBIC YARDS
.15 CUBIC METERS

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not over tighten bolts. To over tighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly.

STEP 1: Excavate for required footing holes. 18" dia x 18" depth min. Qty=2.

STEP 2: Carefully guide Fork Lift blades through center of Log Crawl Thru, or thread lifting strap through center and secure free ends to lifting machinery.

NOTE: Use included foam padding on fork blades or under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

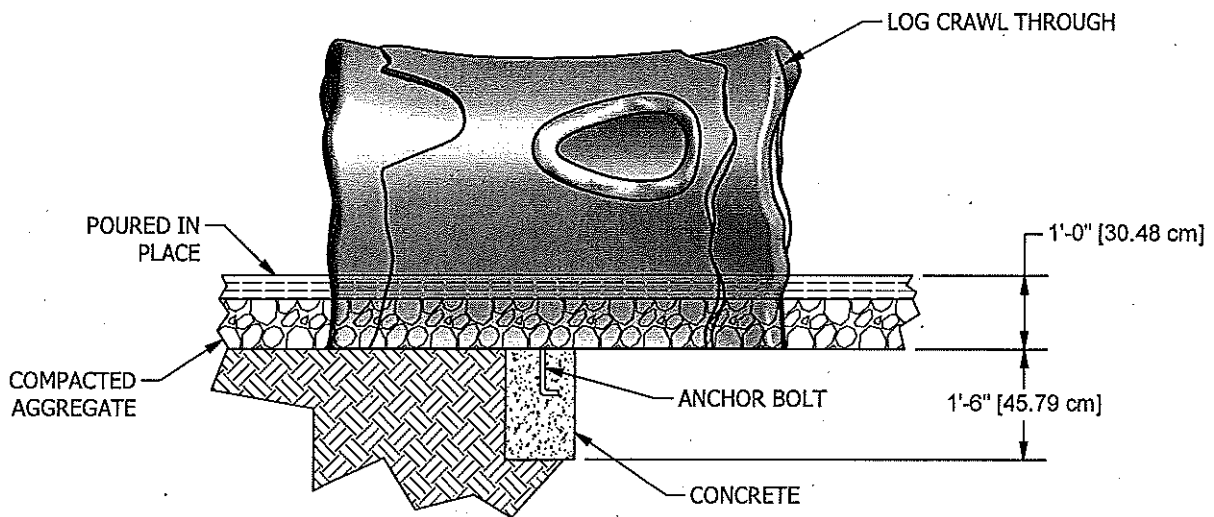
STEP 3: Carefully place Log Crawl Thru so that the threaded inserts are centered over footing holes.

STEP 4: Thread included J-bolts into inserts. Qty=2

STEP 5: Fill footing holes with concrete.

NOTE: Concrete rating 3000 psi min.

STEP 6: Once concrete is fully cured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as needed.



FOOTING DETAIL **(AUGER FOOTING POURED IN PLACE)**

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED (38110):
.20 CUBIC YARDS
.15 CUBIC METERS



SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



Enriching Childhood Through Play
1-800-235-2440

ISSUED/REVISED: 10/26/10

38012 SPINNING MUSHROOM

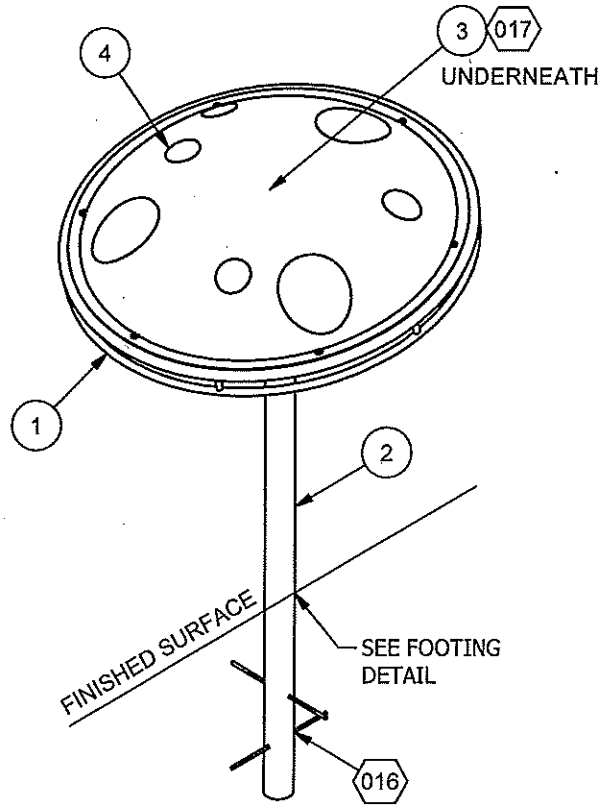
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

| | |
|-------------------------|-------|
| RED SPINNING MUSHROOM | 38012 |
| GREEN SPINNING MUSHROOM | 38013 |
| BROWN SPINNING MUSHROOM | 38014 |

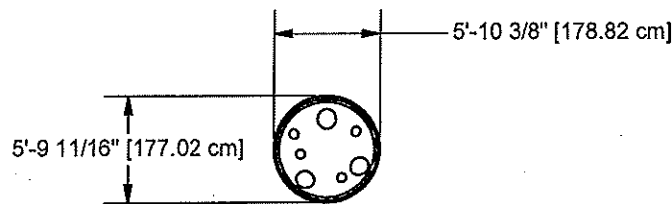


INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.



**ASSEMBLY DRAWING
(38012 SHOWN)**



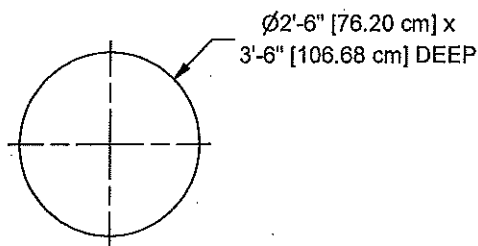
TOP VIEW

| Parts List | | | | | |
|------------|--|-------|-------|-------|-------------|
| REF. | DESCRIPTION | 38012 | 38013 | 38014 | PART NUMBER |
| 1 | SPINNING MUSHROOM HANDHOLD BEARING ASS'Y | 1 | 1 | 1 | 201663 |
| 2 | UPRIGHT WELD ASS'Y | 1 | 1 | 1 | 201672 |
| 3 | CAP PLATE | 1 | 1 | 1 | 201863 |
| 4 | RED MUSHROOM SPINNING DECAL ASS'Y | 1 | 0 | 0 | 201860 |
| 4 | GREEN MUSHROOM SPINNING DECAL ASS'Y | 0 | 1 | 0 | 201861 |
| 4 | BROWN MUSHROOM SPINNING DECAL ASS'Y | 0 | 0 | 1 | 201862 |
| | HARDWARE COMPLETE | 1 | 1 | 1 | 201689 |
| | 3/8" x 1" P.B.H.C.S. w/ PATCH | 2 | 2 | 2 | 812050* |
| | 3/8" x 1 3/4" P.B.H.C.S. w/PATCH | 6 | 6 | 6 | 812054 |
| | 3/8" LOCKWASHER | 2 | 8 | 8 | 817334* |
| | 3/8" FLAT WASHER (1 1/4" O.D.) | 6 | 6 | 6 | 817424* |
| | 3/8" T-NUT | 6 | 6 | 6 | 804556* |
| | 22" ANCHOR ROD | 2 | 2 | 2 | 156063* |

Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

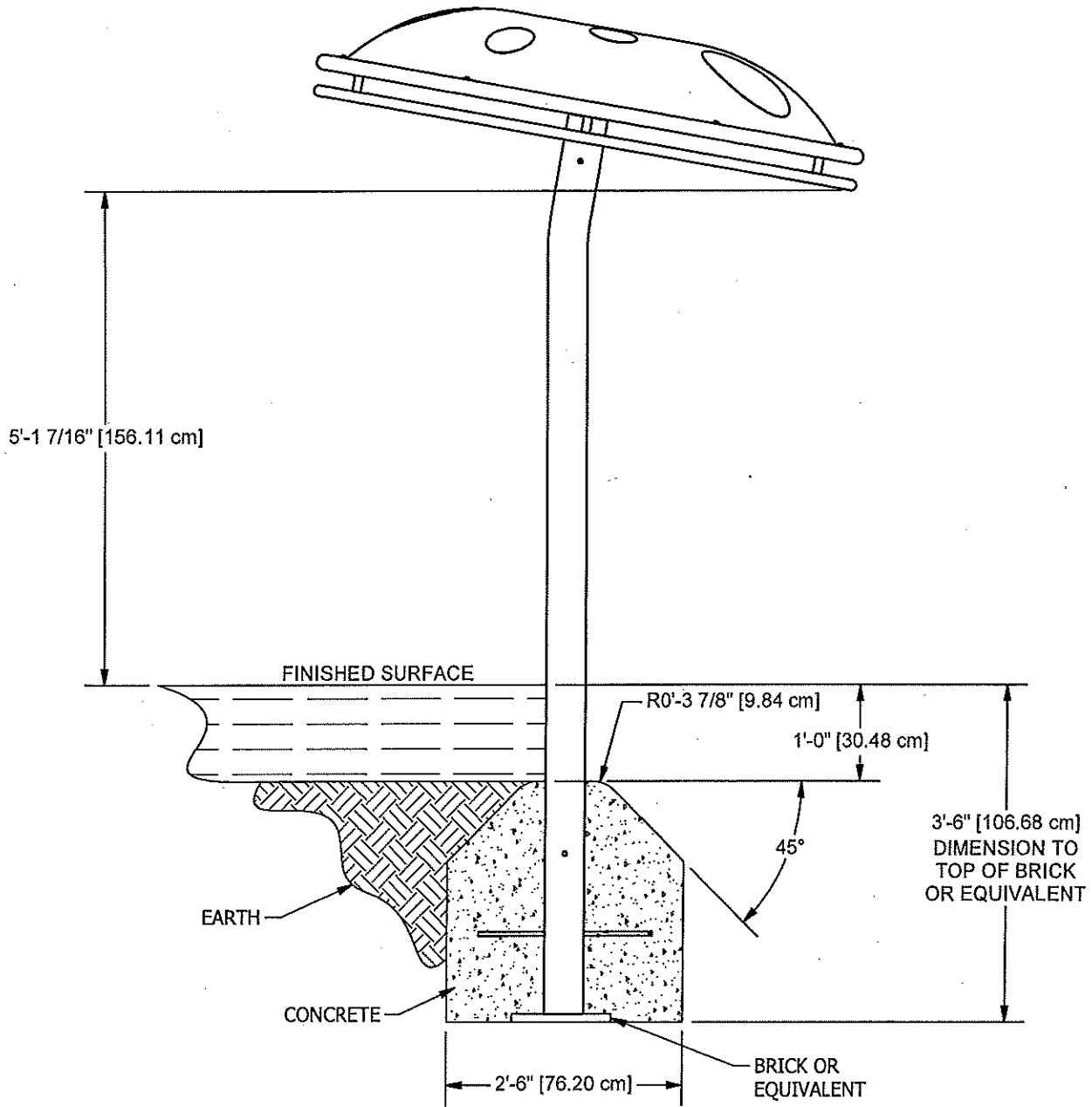


CONCRETE REQUIRED
45 CUBIC YARDS
(.35 CUBIC METERS)

GROUND PLAN

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH BEFORE APPLYING SURFACING.

CONCRETE REQUIREMENTS:
 APPROXIMATELY .45 CUBIC YARDS
 (.35 CUBIC METERS) OF CONCRETE REQUIRED
 SUGGESTED MINIMUM CONCRETE RATING 3000PSI
 SLOPED FOOTING IS A REQUIREMENT OF
 EUROPEAN STANDARD EN1176-1.



SPECIFICATIONS

SPINNING MUSHROOM HANDHOLD ASSEMBLY: Shall be an all welded assembly constructed of formed 1-1/2" L.W. galvanized steel pipe (1.9" O.D.), formed 1" L.W. galvanized steel pipe (1.315" O.D.), 1.029" O.D. galvanized steel pipe, machined 5.500" O.D. x .500" wall D.O.M. MEC. tube, and 3/16" thick H.R. steel plate. Two bearings shall be press fit into the weld assembly.

UPRIGHT WELD ASSEMBLY: Shall be an all welded assembly constructed of 5", 7 gauge steel pipe, 1/4" thick H.R. steel plate, and a shaft machined from 2 3/4" O.D. C.R. black steel.

CAP PLATE: Shall be manufactured from 3/16" thick H.R. steel plate.

PUNCHED SPINNING: Shall be formed from one piece of 14 gauge galvanized steel, 67 3/16" in diameter.

FINISH: The assemblies, Cap Plate, and Spinning shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

HARDWARE: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate

applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

POWDER COAT FINISH

Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- Check for and repair damage caused by wear or vandalism; a major factor in injury-causing situations.
- GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- Never add components not intended for use with this product.
- Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.
- All equipment should be free of rust and repainted whenever necessary to deter rusting.
- Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.
- Check for loose spring castings and tighten.
- A soft, resilient surface should be placed under all equipment, extending at least six feet in all directions surrounding the equipment. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

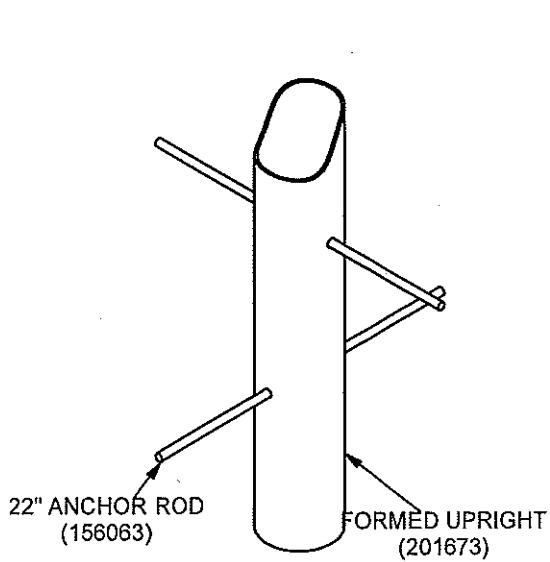
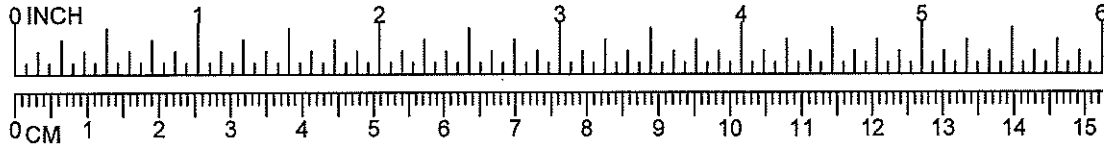
DETAILS -for- 38012

IMPORTANT

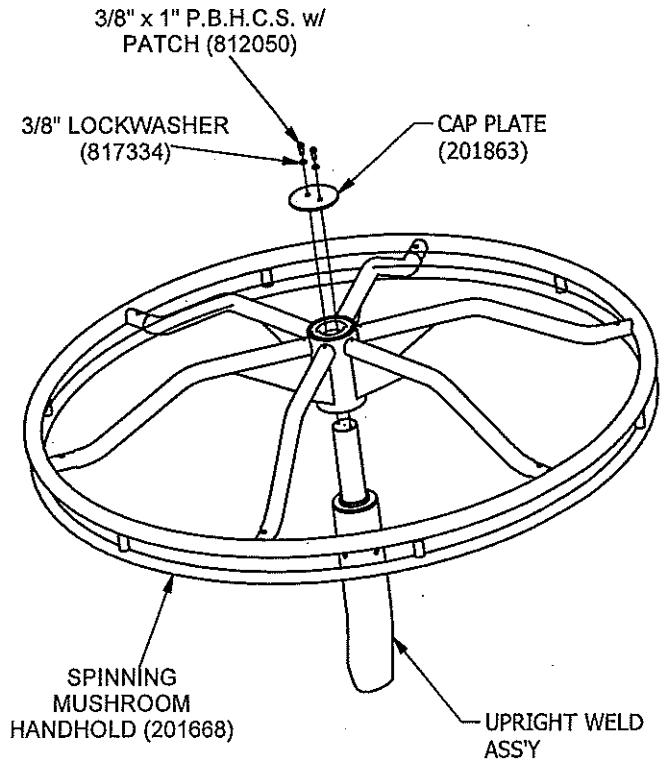
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



016



017

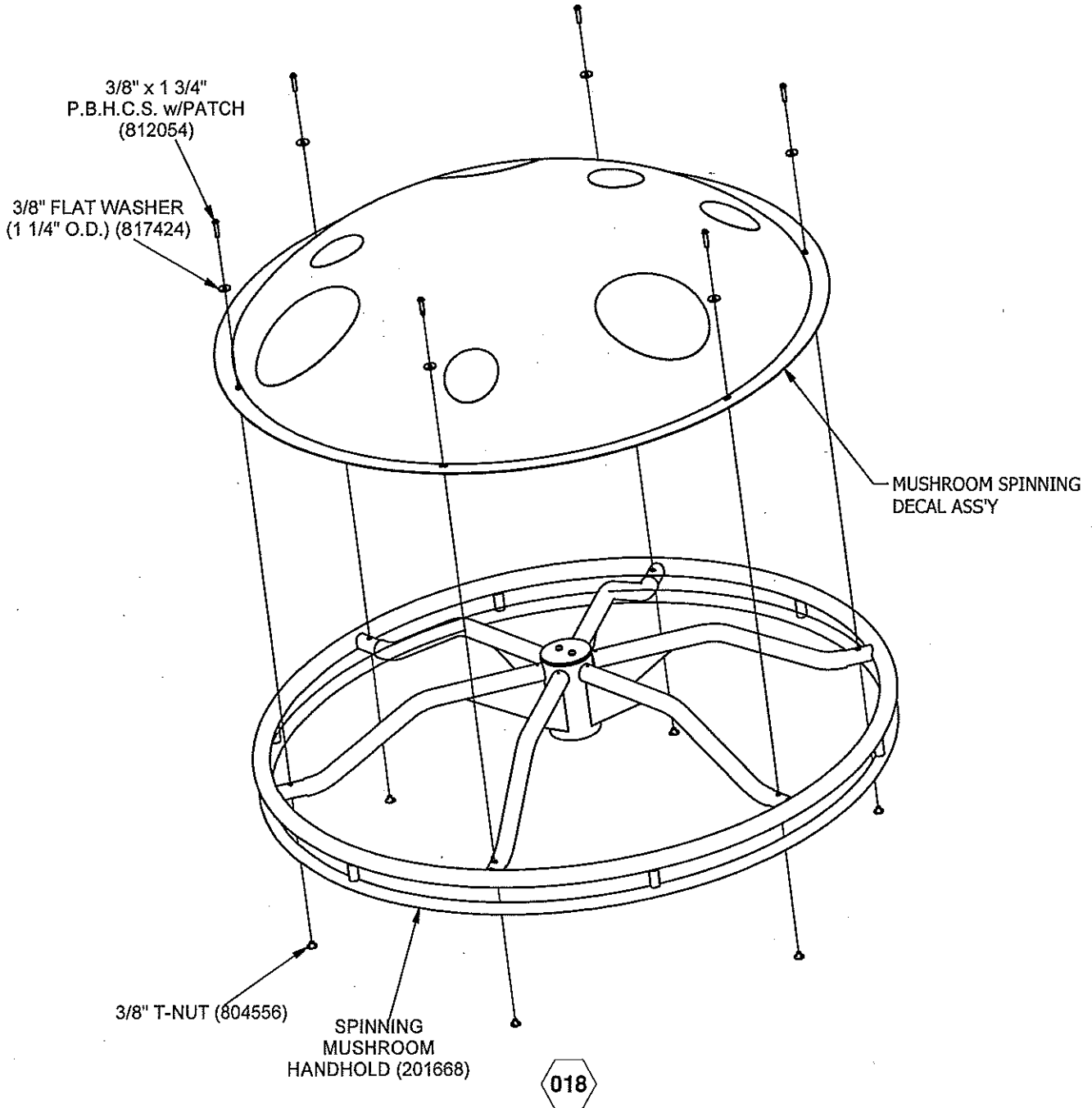
**DETAILS -for-
38012**

IMPORTANT

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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.







Enriching Childhood Through Play.
1-800-235-2440

ISSUED/REVISED: 10/15/10

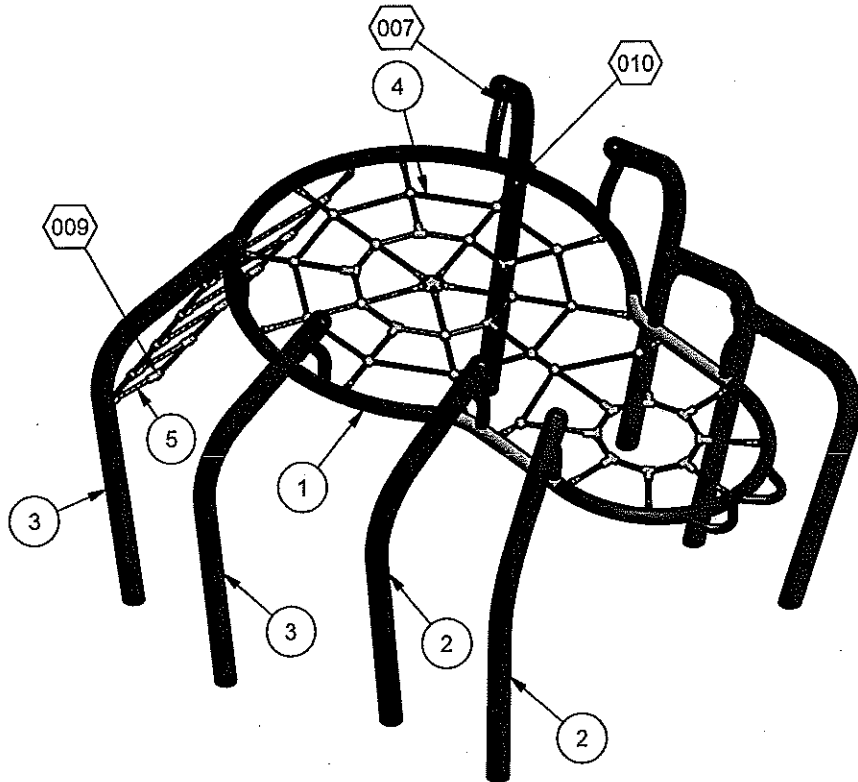
38002 THE SPIDER

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

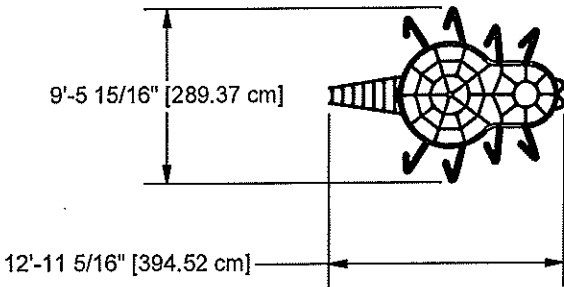


INSTRUCTIONS

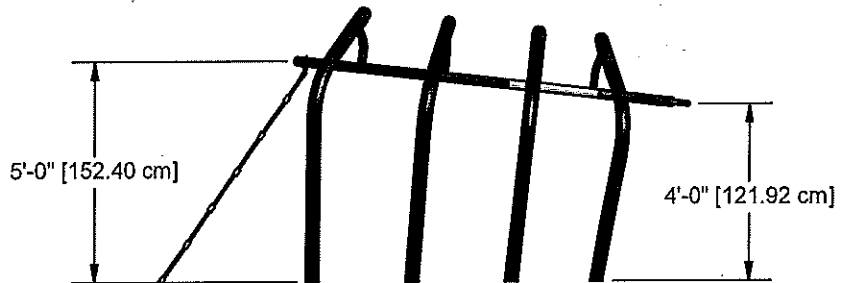
1. Before assembling this equipment, read the enclosed **INSTALLATION INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.



ASSEMBLY VIEW



TOP VIEW



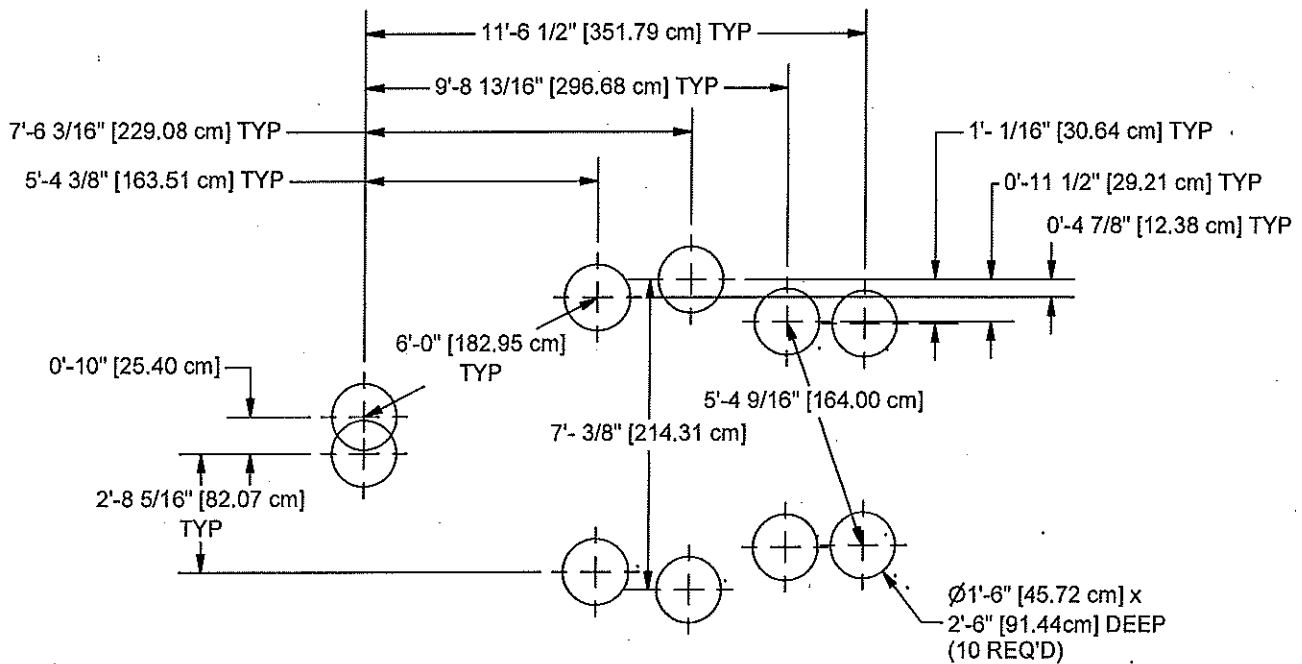
SIDE ELEVATION

| Parts List | | | |
|------------|----------------------------------|-----|-------------|
| REF. | DESCRIPTION | QTY | PART NUMBER |
| 1 | SPIDER BODY | 1 | 201601 |
| 2 | SPIDER FRONT LEGS | 4 | 201699 |
| 3 | SPIDER BACK LEGS | 4 | 201701 |
| 4 | WEB ASSEMBLY | 1 | 201526 |
| 5 | WEB TAIL | 1 | 201527 |
| | HARDWARE COMPLETE | 1 | 201638 |
| | 3/8" x 1 1/4" P.B.H.C.S. w/PATCH | 16 | 812051* |
| | 3/8" X 2 1/2" P.B.H.C.S. w/PATCH | 2 | 812057* |
| | 3/8" LOCKWASHER | 18 | 817334* |
| | 3/8" FLAT WASHER | 2 | 817410* |
| | GROUND STAKE | 2 | 107921* |
| | CHAIN | 2 | 201599* |

Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



CONCRETE REQUIRED
.99 CUBIC YARDS
(.76 CUBIC METERS)

GROUND PLAN

SPECIFICATIONS

SPIDER LEGS

The Spider Legs shall be fabricated from 3.5" outside diameter, 13 gauge (.095") galvanized round tubing and an aluminum cap, cast from a 383 alloy. The Spider Legs shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

SPIDER BODY

The Spider Body shall be fabricated from 1-5/16" O.D. x 14 gauge (.083") wall, 1-7/8" O.D. x 13 gauge (.095") wall and 2 -3/8" O.D. x 13 gauge (.095") wall Galv. Steel Pipe with 3/16" Hot Rolled Steel mounting tabs. The Spider Body shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

SPIDER WEB / WEB TAIL

The Spider Web and Web Tail assemblies shall be 18MM dia. polyimide (nylon) rope cable with UV protection: 6 strands each containing 19 steel reinforcing (0.6mm) strands within a polyamide sleeve wrapped around a reinforcing steel core. Each assembly shall have stainless steel connectors and attachment ends.

POWDER COAT FINISH

Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating.

The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability. 100% at 400 degrees Fahrenheit.

HARDWARE

All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. All primary stainless steel fasteners shall be Button Head Socket Caps.

SPECIFICATIONS

GAMETIME © has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
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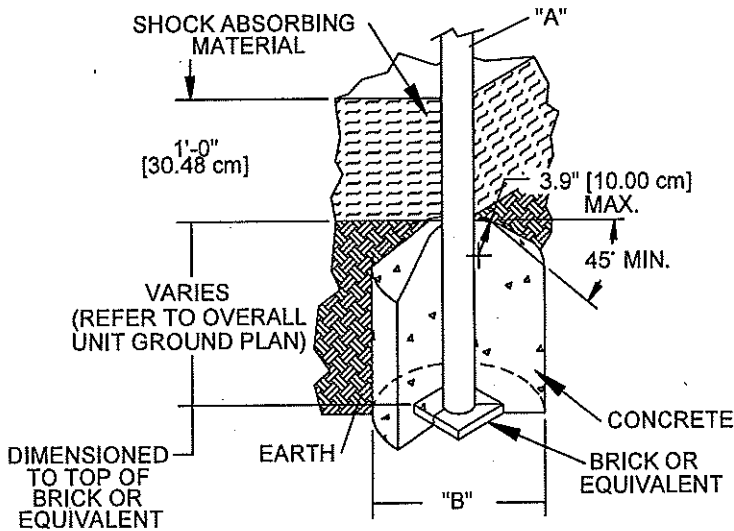
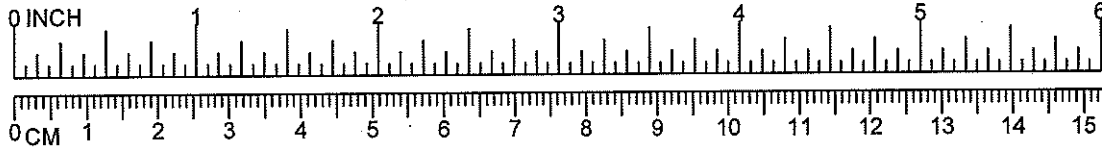
DETAILS -for- 38002

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



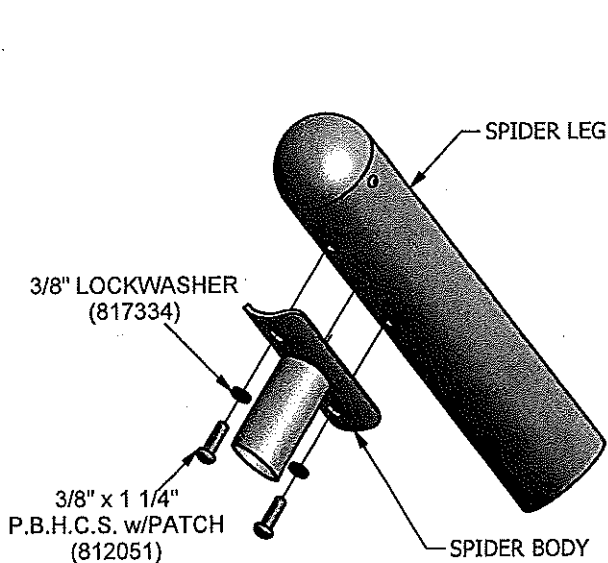
| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|-------------------------|----------------------------|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72 cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:

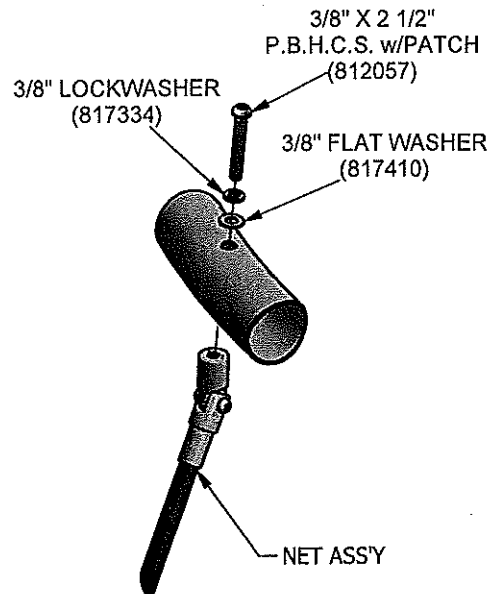
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



007



008

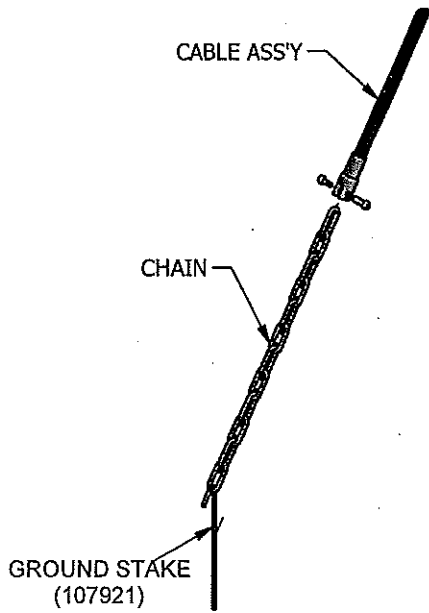
DETAILS -for- 38002

IMPORTANT

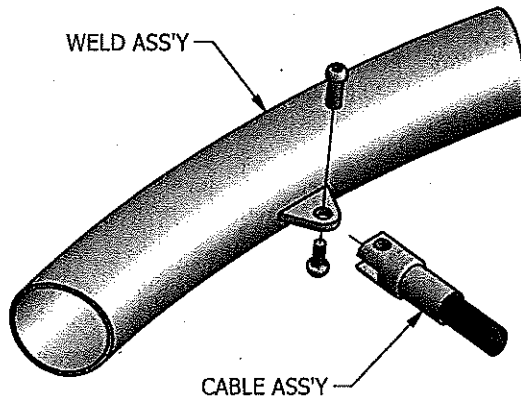
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.





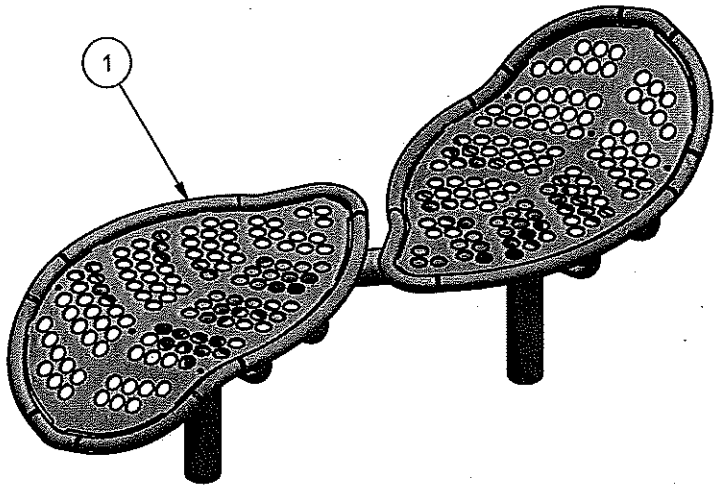
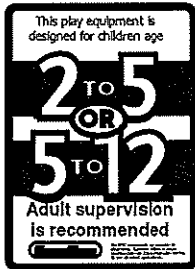
009



010

NATURE BENCH

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

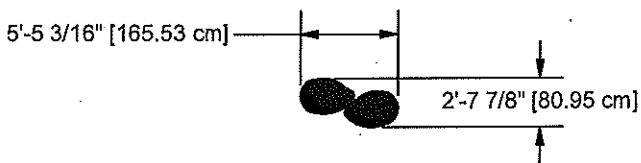


ASSEMBLY VIEW

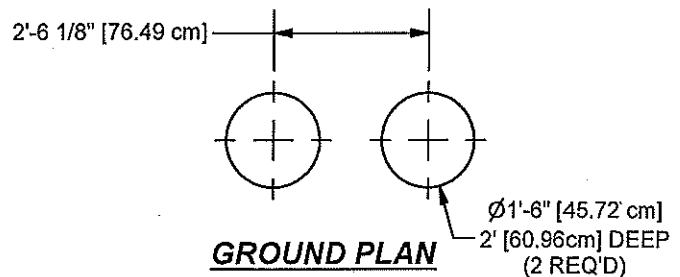
INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.

CONCRETE REQUIRED
.26 CUBIC YARDS
[.20 CUBIC METERS]



TOP VIEW



GROUND PLAN

| Parts List | | |
|---------------------|-----|-------------|
| DESCRIPTION | QTY | PART NUMBER |
| LEAF BENCH ASSEMBLY | 1 | 201847 |

Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

SPECIFICATIONS

LEAF BENCH WELD ASSEMBLY

The Leaf Bench Weld Assembly shall be fabricated from 2-7/8" O.D. x 10 gauge (.134") wall, 1-5/16" O.D. x 14 gauge (.083") wall Galv. Steel Pipe, 1" O.D. x 15 gauge (.072") wall Galv. Pipe and 11 gauge punched steel. The Leaf Bench Weld Assembly shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

POWDER COAT FINISH

Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating.

The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristic

Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

HARDWARE

All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. All primary stainless steel fasteners shall be Button Head Socket Caps.

SPECIFICATIONS

GAMETIME © has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- Never add components not intended for use with this product.
- Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.
- All equipment should be free of rust and repainted whenever necessary to deter rusting.
- Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.
- Check for loose spring castings and tighten.
- A soft, resilient surface should be placed under all equipment, extending at least six feet in all directions surrounding the equipment. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

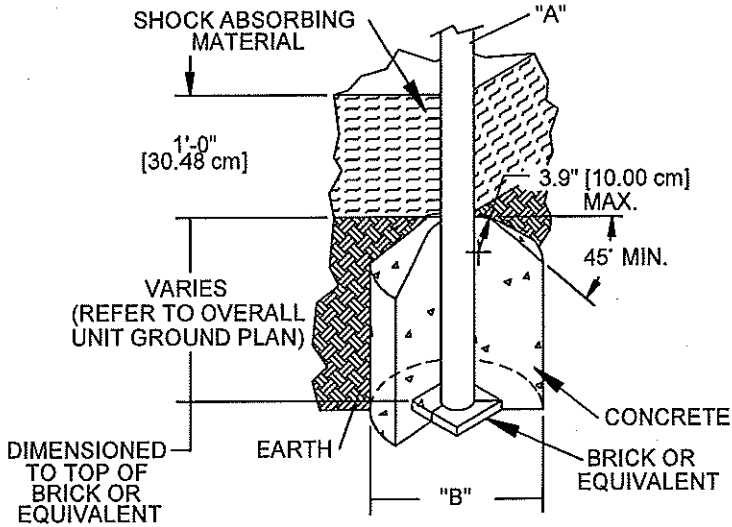
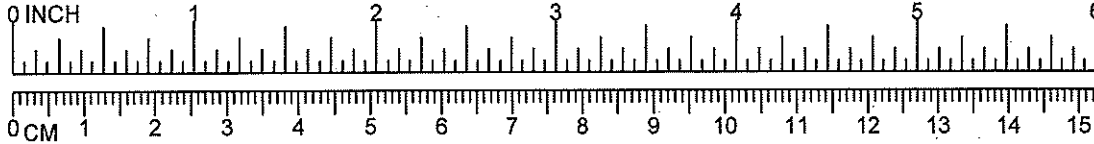
DETAILS -for- 38043

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



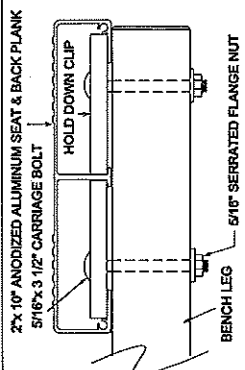
| DIA. "A" (PIPE SIZE) | DIA. "B" (FOOTING SIZE) |
|-------------------------|----------------------------|
| 1 1/16" [2.70 cm] | 1'-2" [35.56 cm] |
| 1 5/16" [3.33 cm] | 1'-2" [35.56 cm] |
| 1 5/8" [4.13 cm] | 1'-2" [35.56 cm] |
| 1 7/8" [4.83 cm] | 1'-2" [35.56 cm] |
| 2 3/8" [6.03 cm] | 1'-2" [35.56 cm] |
| 3 1/2" [8.89 cm] | 1'-6" [45.72 cm] |
| 5" [12.70 cm] | 1'-6" [45.72 cm] |
| TRACK RIDE & SWINGS | |
| 5" [12.70 cm] | 2'-0" [60.96 cm] |
| TREE SCAPE | |
| 5" [12.70 cm] | 4'-0" [121.92 cm] |

NOTES:

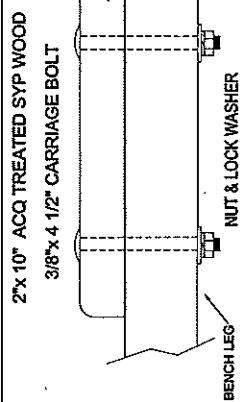
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



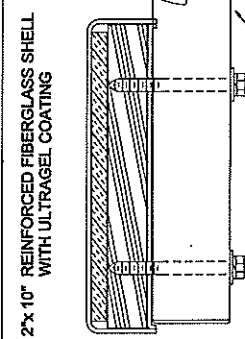
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



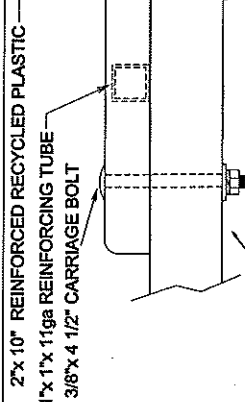
62PGA



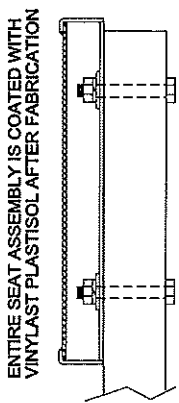
62PGP



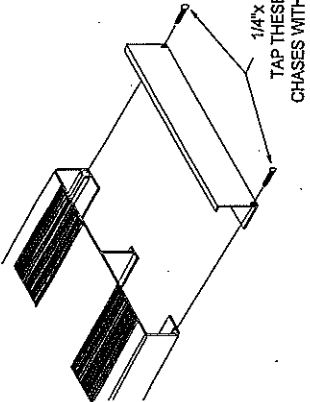
62PGF



62PGRRP

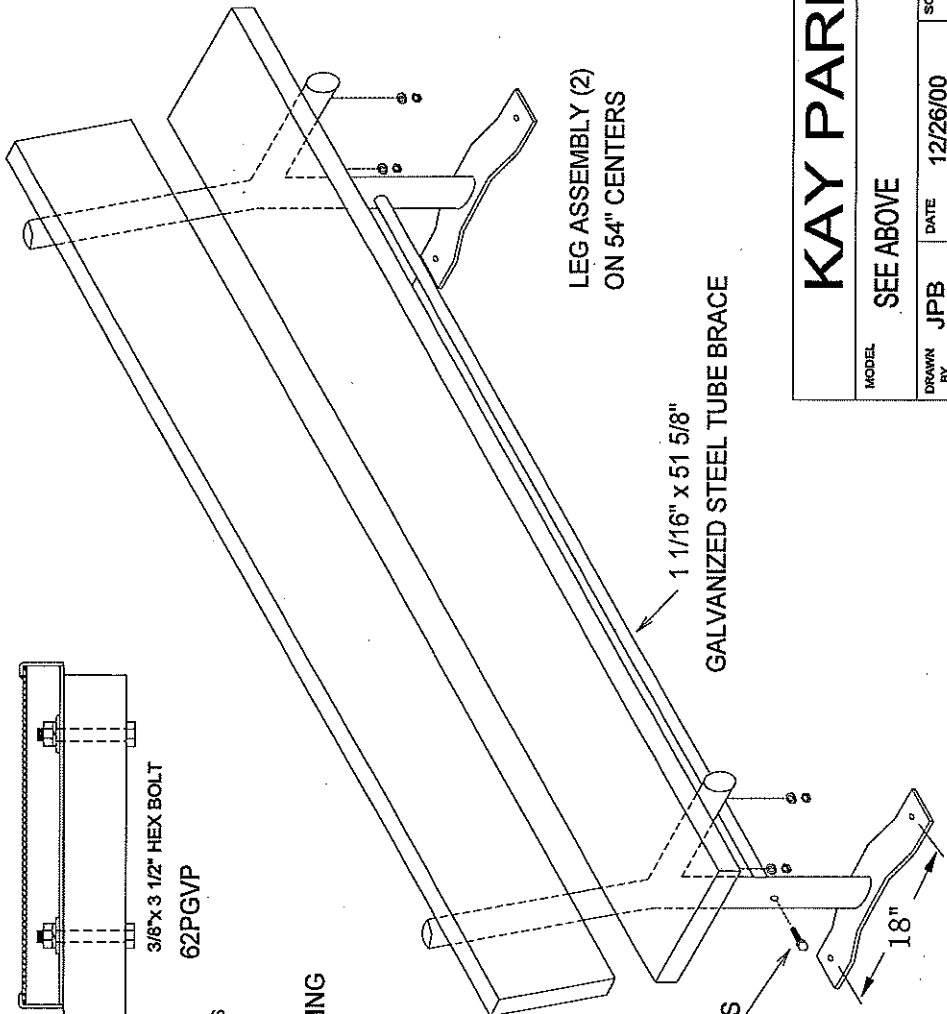


62PGVP



1/4"x 3/4" DRIVE SCREWS
TAP THESE INTO THE SCREW
CHASES WITH A SMALL HAMMER

ATTACH THE LEG ASSEMBLIES TO THE PLANKING
WITH HARDWARE AS SHOWN ABOVE



Ground and soil conditions may vary. See local codes.
Recommended minimum connections would be
3/8" x 3 1/2" wedge type anchor in concrete or asphalt.

THIS 3" x 1/2" HEX BOLT GOES
THROUGH THE LEG AND
SCREWS INTO THE BRACE

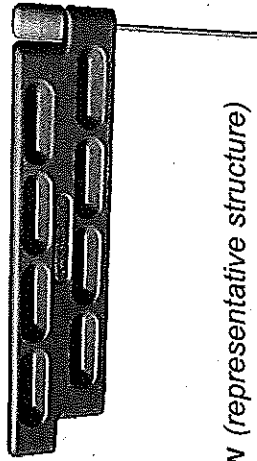
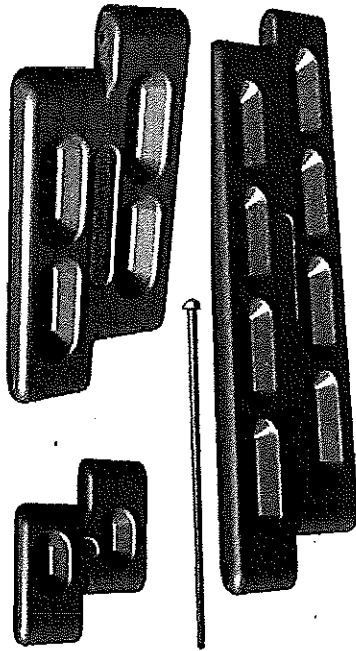
KAY PARK

| | | | |
|----------|-----------|-------|----------|
| MODEL | SEE ABOVE | WT. | |
| DRAWN BY | JPB | DATE | 12/26/00 |
| | | SCALE | NONE |

REV 12/00
FILE NO. 62Madison ALL PLANK



The world needs play.™



Assembly View (representative structure)

| Model | Length | Weight |
|----------|--------------|-------------------|
| ZZXX9409 | 1' (305 mm) | 6 lbs. (2,7 kg) |
| ZZXX9410 | 2' (610 mm) | 7.8 lbs. (3,5 kg) |
| ZZXX9430 | 4' (1220 mm) | 13.2 lbs. (6 kg) |
| ZZXX9450 | 4" (102 mm) | 9.4 lbs. (4,3 kg) |

Installation Instructions

Playworld Systems® Models XX9409, XX9410, XX9430, & XX9450

1 ft. (305 mm), 2 ft. (610 mm), 4 ft. (1219 mm)
 Border Timbers with Stakes
 & Border Timber Retro-Fit

Installation Preparation

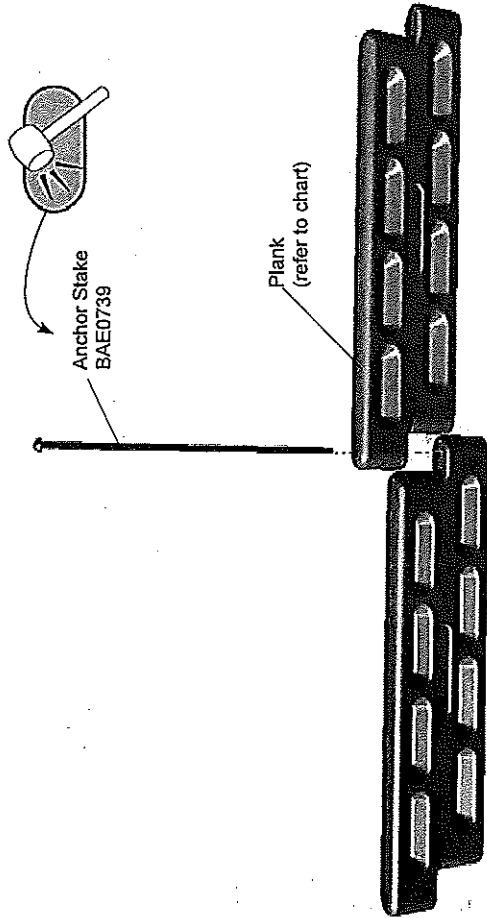
Recommended Crew: One (1) adult
 Installation Time: 0.25 man-hour
 Weight: (refer to chart)
 Use Zone: Refer to Master Drawing

| ICON KEY | |
|----------|---------------------------------------|
| | Fully Tighten Hardware |
| | Do Not Fully Tighten Hardware |
| | Drill |
| | Hammer |
| | Add 1 Drop of Thread Locking Adhesive |
| | Pour Concrete |
| | Dig Footing Holes |
| | Critical Fall Height |



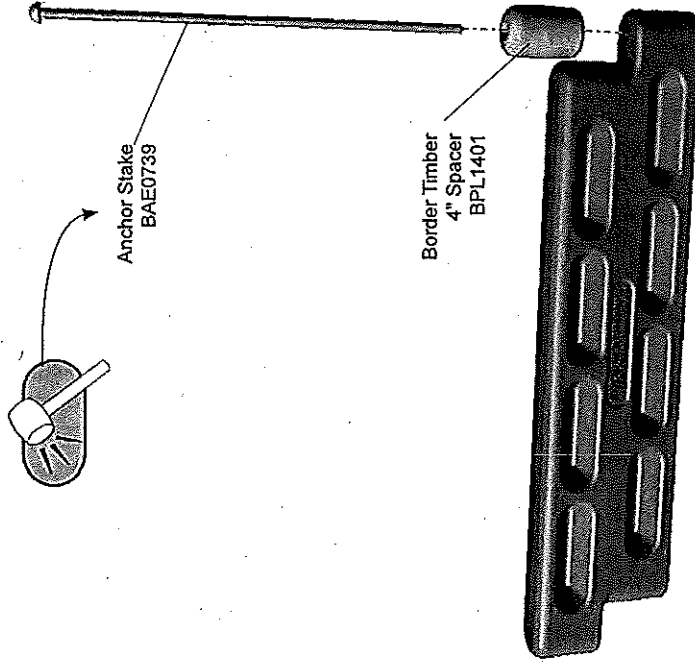
Installation Instructions

Follow the details in alphabetical order. For clarification, each detail references the step description. The step descriptions start on page 3.



Detail A
Steps 4 & 5

| Model | Length | Plank Part Number |
|----------|--------------|-------------------|
| ZZXX9409 | 1' (305 mm) | BPL1404 |
| ZZXX9410 | 2' (610 mm) | BPL1405 |
| ZZXX9430 | 4' (1220 mm) | BPL1415 |



Detail B
Step 8



Installation Instructions

___ **Notes Before You Begin:** Do not over tighten bolts during assembly, only snug tighten them until assembly is complete.

Carefully read and understand these installation instructions before you begin.

___ **Step 1:** Before attempting to assemble your equipment, please review all installation information carefully. Should you experience any difficulty during the installation process, please call us at the phone number shown on the last page of these instructions.

___ **Step 2:** Separate and identify all components and hardware.

Position border timbers.

___ **Step 3:** Refer to your structure drawing to locate appropriate position in which your equipment is to be assembled. Prepare a base around perimeter of area shown in the composite structure master diagram. Measure and mark the boarder location.

Note: If soil conditions are loose or unstable, other base arrangements may be required. Inquire with local contractors for appropriate recommendations.

___ **Step 4:** Begin by placing a timber at a starting point. Be sure that the counterbore is on the top of the plank. See **Detail A**. Choose another timber. Orient and place the timber as shown. Align the holes.

Note: There should be no mulch or fill below the timber. It should be flat on the ground.

Anchor border timbers.

___ **Step 5:** Anchor the border timbers. See **Detail A**. Strike the head of the spike with a hammer until it is flush with the boarder timber. Continue this around the perimeter.

Important Hint: It is helpful to connect all or a portion of the timbers with the pins (align a side or complete a circle) before driving them into the ground.

___ **Step 6:** Repeat these steps until border wall is complete.

CAUTION: When backfilling the area around the border timbers, care must be taken not damage timbers by driving over the timbers with heavy equipment.

Refer to **Step 7** for retro-fitting instructions if applicable.

Retro-fit the border timbers.

Step 7: See **Detail B**. Orient the spacer with the counterbore facing upward. Align the hole of the spacer with the hole of the end plank. Strike the head of the spike with a hammer until it is flush with the spacer.

Bill of Materials

ZZXX9409 - 1 ft. (305 mm) BORDER TIMBER w/ STAKE

| PART NO. | DESCRIPTION | QTY. |
|----------|---------------------------------|------|
| BAE0739 | ANCHOR - 30 STAKE | 1 |
| BPL1404 | PLANK - 11.75" x 4.00" x 16.00" | 1 |

ZZXX9410 - 2 ft. (610 mm) BORDER TIMBER w/ STAKE


| PART NO. | DESCRIPTION | QTY. |
|----------|---------------------------------|------|
| BAE0739 | ANCHOR - 30 STAKE | 1 |
| BPL1405 | PLANK - 11.75" x 4.00" x 28.00" | 1 |

ZZXX9430 - 4 ft. (1219 mm) BORDER TIMBER w/ STAKE

| PART NO. | DESCRIPTION | QTY. |
|----------|---------------------------------|------|
| BAE0739 | ANCHOR - 30 STAKE | 1 |
| BPL1415 | PLANK - 11.75" x 4.00" x 52.00" | 1 |

ZZXX9450 - BORDER TIMBER RETRO-FIT w/ STAKE

| PART NO. | DESCRIPTION | QTY. |
|----------|---------------------------|------|
| BAE0739 | ANCHOR - 30 STAKE | 1 |
| BPL1401 | SPACER - 4" BORDER TIMBER | 2 |



PLAYWORLD SYSTEMS
 The world needs play.[™]
 For Customer Service, Call
 800-233-8404 or
 570-522-9800 OUTSIDE U.S.
 1000 Buffalo Road • Lewisburg, PA 17837
www.playworldsystems.com





Product Specifications

©Playworld Systems, Inc. Wednesday, February 22, 2012

4ft BORDER TIMBERS w/STAKE

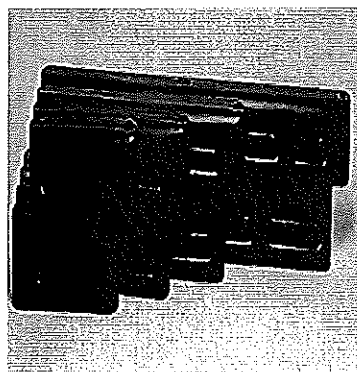
Blowmolded Component

Shall be blow molded from linear polyethylene.

Anchor Stake

Shall be fabricated of A-36 galvanized steel bar having a tensile strength of 80,000 psi. and a yield strength of 36,000 psi.

ZZXX9430



* See Note

| | |
|-------------------------------|-------------------|
| Component Number: | ZZXX9430 |
| Specification Rev: | ECN1842 |
| Component Weight: | 10.31 Lbs. |
| Pre-Consumer Recycle: | 7.00 Lbs. |
| Post-Consumer Recycle: | 0.00 Lbs. |
| CO2e Footprint: | 23.40 Kgs. |

* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



The world needs play.[™]

Spikes

- Inspect for loose spikes.
- Inspect for missing, worn or broken spikes. If any missing, worn or broken spikes are found, refer to the installation instructions for proper replacement spikes. If any damage is detected, barricade equipment to prevent use until repair is completed. Contact your sales representative immediately for a replacement part.

Plastic Parts

- Inspect all plastic surfaces for sharp points, cracks or jagged edges. If any damage is detected and is determined to be unsafe, barricade equipment to prevent use until repair is completed. Minor burrs or sharp edges may be removed by using a sharp utility knife or block plane to remove sharp burr.

Surfacing

- Refer to the specific surfacing maintenance detail sheet for additional information.

Replacement Parts

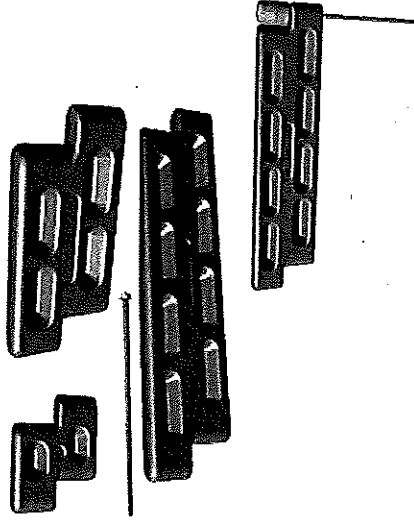
- Refer to your installation instructions to obtain replacement part number.
- Contact your sales representative or call Playworld Systems' Customer Service for a replacement part.

Equipment Maintenance

Playworld Systems[®] Models XX9409, XX9410, XX9430, & XX9450

1 ft. (305 mm), 2 ft. (610 mm),

4 ft. (1219 mm) Border Timbers with Stakes & Border Timber Retro-Fit



**PLAYWORLD
SYSTEMS.**

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For Customer Service, Call
800-233-8404 or

570-522-9800 OUTSIDE U.S.

1000 Buffalo Road • Lewisburg, PA 17837
www.playworldsystems.com



Inspection Form

Preventive Maintenance

... for Safety's Sake!

- Be sure that you are using a copy of this Inspection Form and not your original.
- Use the Inspection Codes listed below and record condition of equipment at time of examination on the Inspection Checklist.
- Document any item from the Inspection Checklist that will require maintenance along with any corrective action on the Maintenance Schedule.
- Be sure to include appropriate dates and signatures on each section to properly document maintenance procedure.

INSPECTION CHECKLIST

| | Frequency | Inspection Code | Inspection Date | Date Repairs Completed |
|--|-----------|-----------------|-----------------|------------------------|
| Inspect plastic parts for damage. | Medium | | | |
| Inspect surfacing to insure proper depth and distribution. | High | | | |
| Inspect for loose, missing, worn, or broken spikes. | High | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Inspection Codes
 P = Pass F = Fail
 NA = Not Applicable

Inspector: Name (Please Print) _____ Signature: _____ Date: ___/___/___

MAINTENANCE SCHEDULE

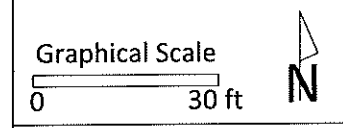
| Item in Question | Description of Problem | Corrective Action | Date |
|------------------|------------------------|-------------------|------|
| | | | |
| | | | |
| | | | |
| | | | |

Repairer: Name (Please Print) _____ Signature: _____ Date: ___/___/___



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987

play
**MADISON
 PARKS**



PROJECT:
**CHEROKEE PARK
 PLAYGROUND
 Improvements**

*Cherokee Park
 1000 Burning
 Wood Way
 Madison, WI 53704*

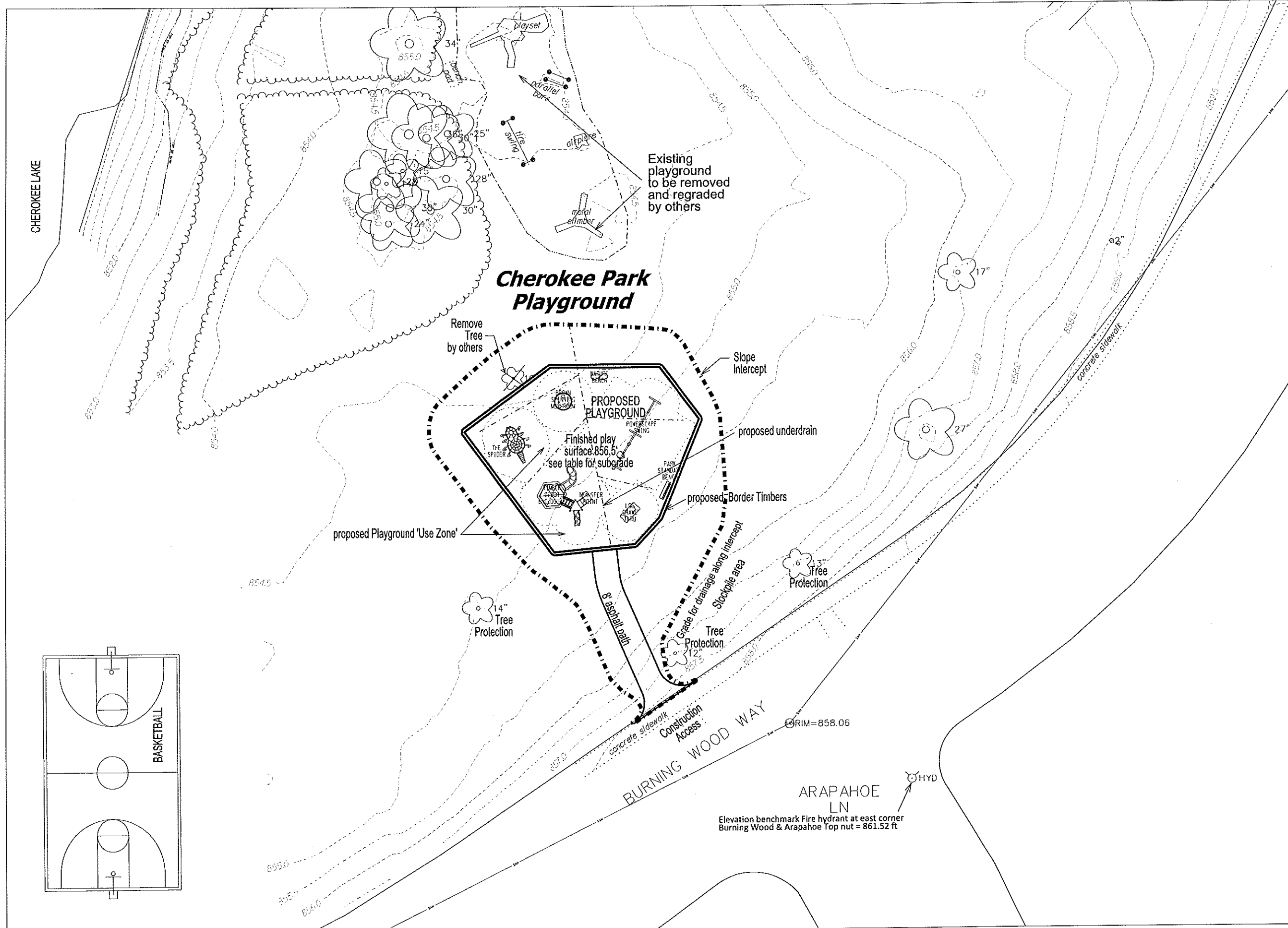
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

| ITEM | DATE |
|-------------------------------|------------|
| Drawn by: DCR, checked by WAB | 09.27.2011 |
| Revised | 11.29.2011 |
| Revised | 1.30.2012 |

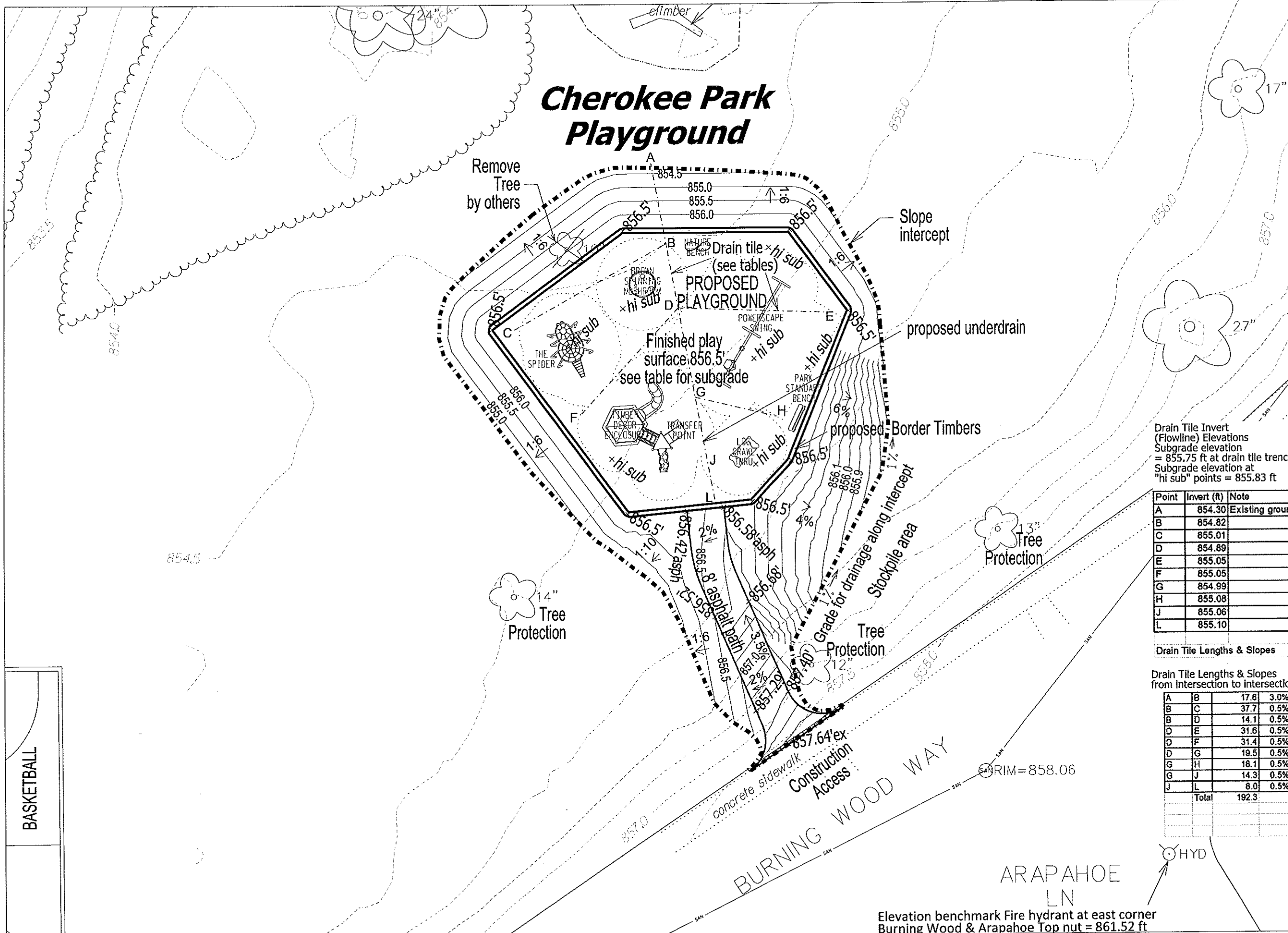
PUBLIC WORKS PROJECT #:
 53W1404 / Contract #6864

SHEET TITLE:
SITE PLAN

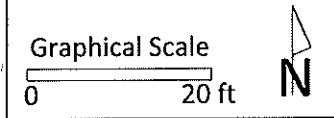
SHEET NUMBER:
1



Cherokee Park Playground



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987
play MADISON PARKS



PROJECT:
CHEROKEE PARK PLAYGROUND Improvements

*Cherokee Park
 1000 Burning
 Wood Way
 Madison, WI 53704*

Drain Tile Invert (Flowline) Elevations
 Subgrade elevation = 855.75 ft at drain tile trenches
 Subgrade elevation at "hi sub" points = 855.83 ft

| Point | Invert (ft) | Note |
|-------|-------------|-----------------|
| A | 854.30 | Existing ground |
| B | 854.82 | |
| C | 855.01 | |
| D | 854.89 | |
| E | 855.05 | |
| F | 855.05 | |
| G | 854.99 | |
| H | 855.08 | |
| J | 855.06 | |
| L | 855.10 | |

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

| ITEM | DATE |
|-------------------------------|------------|
| Drawn by: DCR, checked by WAB | 09.27.2011 |
| Revised | 11.29.2011 |
| Revised | 1.30.2012 |

Drain Tile Lengths & Slopes from intersection to Intersection

| Point | Point | Length | Slope |
|-------|-------|--------|-------|
| A | B | 17.6 | 3.0% |
| B | C | 37.7 | 0.5% |
| B | D | 14.1 | 0.5% |
| D | E | 31.6 | 0.5% |
| D | F | 31.4 | 0.5% |
| D | G | 19.5 | 0.5% |
| G | H | 18.1 | 0.5% |
| G | J | 14.3 | 0.5% |
| J | L | 8.0 | 0.5% |
| Total | | 192.3 | |

PUBLIC WORKS PROJECT #:
 53W1404 / Contract #6864

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
1

Elevation benchmark Fire hydrant at east corner
 Burning Wood & Arapahoe Top nut = 861.52 ft

| Cherokee Park Playground Improvements | | Contract 6864 | | |
|---------------------------------------|--|---------------|------|------------------|
| Bid Item # | IMPROVEMENTS | Quantity est. | Unit | Unit Price Bid |
| | | | | Contract Dollars |
| 10713 | Tree Protection | 1 | l.s. | \$ - |
| 10911 | Mobilization | 1 | l.s. | \$ - |
| 20109 | Finish Grading | 1 | l.s. | \$ - |
| 20130 | 4" PVC 'sock' covered underdrain w/ 3/4" granular backfill | 176 | l.f. | \$ - |
| 20140 | Geotextile Fabric | 355 | s.y. | \$ - |
| 20201 | Furnish and Place additional Fill | 209 | c.y. | \$ - |
| 20221 | Strip and place topsoil | 92 | c.y. | \$ - |
| 20701 | Site Turf restoration | 855 | s.y. | \$ - |
| 21011 | Construction Access / Tracking Pad | 1 | l.s. | \$ - |
| 21024 | Erosion Control / Silt Sock | 620 | l.f. | \$ - |
| 40101 | Path Base | 20 | ton | \$ - |
| 40201 | Path HMA Pavement Type E-0.3 (3") | 6.1 | ton | \$ - |
| 90002 | Accessible surface installation ('Super Sacks') | 38 | ea. | \$ - |
| 90003 | Install Playground Structure with roof and components | 1 | l.s. | \$ - |
| 90003 | Install PowerScape Swing with seats | 1 | l.s. | \$ - |
| 90003 | Install Log Crawl | 1 | l.s. | \$ - |
| 90003 | Install Spinning Mushroom | 1 | l.s. | \$ - |
| 90003 | Install Spider Climber | 1 | l.s. | \$ - |
| 90004 | Temporary Construction fencing | 400 | l.f. | \$ - |
| 90005 | Assemble and Install bench | 2 | ea. | \$ - |
| 90006 | Install Playground Border Timbers | 54 | ea. | \$ - |
| GRAND TOTAL AMOUNT ESTIMATED | | | | \$ - |

SECTION F: BID BOND

KNOW ALL MEN BY THESE PRESENT, THAT _____
(a corporation of the State of _____) (individual), (partnership), hereinafter referred to as the "Principal") and _____, a corporation of the State of _____ (hereinafter referred to as the "Surety") and licensed to do business in the State of Wisconsin, are held and firmly bound unto the City of Madison, (hereinafter referred to as the "Obligee"), in the sum of five per cent (5%) of the amount of the total bid or bids of the Principal herein accepted by the Obligee, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that, whereas the Principal has submitted, to the City of Madison a certain bid, including the related alternate, and substitute bids attached hereto and hereby made a part hereof, to enter into a contract in writing for the construction of:

CHEROKEE PARK PLAYGROUND IMPROVEMENTS CONTRACT NO. 6864

1. If said bid is rejected by the Obligee, then this obligation shall be void.
2. If said bid is accepted by the Obligee and the Principal shall execute and deliver a contract in the form specified by the Obligee (properly completed in accordance with said bid) and shall furnish a bond for his/her faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

If said bid is accepted by the Obligee and the Principal shall fail to execute and deliver the contract and the performance and payment bond noted in 2. above executed by this Surety, or other Surety approved by the City of Madison, all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to forfeit to the Obligee as liquidated damages the sum mentioned above, it being understood that the liability of the Surety for any and all claims hereunder shall in no event exceed the sum of this obligation as stated, and it is further understood that the Principal and Surety reserve the right to recover from the Obligee that portion of the forfeited sum which exceed the actual liquidated damages incurred by the Obligee.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by an extension of the time within which the Obligee may accept such bid, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

Seal

Principal

Date

By:

Name of Surety

By:

Date

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. _____ for the year _____, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

Date

Agent

Address

City, State and Zip Code

Telephone Number

NOTE TO SURETY & PRINCIPAL

The bid submitted which this bond guarantees may be rejected if the following instrument is not attached to this bond:

Power of Attorney showing that the agent of Surety is currently authorized to execute bonds on behalf of the Surety, and in the amounts referenced above.

Certificate of Biennial Bid Bond

| |
|---|
| TIME PERIOD - VALID (FROM/TO) |
| NAME OF SURETY |
| NAME OF CONTRACTOR |
| CERTIFICATE HOLDER <p style="text-align: center;">City of Madison, Wisconsin</p> |

This is to certify that a biennial bid bond issued by the above-named Surety is currently on file with the City of Madison.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the biennial bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing Surety will give thirty (30) days written notice to the certificate holder indicated above.

Signature of Authorized Contractor Representative

Date

SECTION G: AGREEMENT

THIS AGREEMENT made this _____ day of _____ in the year Two Thousand and Twelve between _____ hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted _____, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

CHEROKEE PARK PLAYGROUND IMPROVEMENTS CONTRACT NO. 6864

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion 29 June, 2012, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of _____ (\$ _____) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Wage Rates for Employees of Public Works Contractors**

General and Authorization. The Contractor shall compensate its employees at the prevailing wage rate in accordance with section 66.0903, Wis. Stats., DWD 290 of the Wisconsin Administrative Code and as hereinafter provided.

“Public Works” shall include building or work involving the erection, construction, remodeling, repairing or demolition of buildings, parking lots, highways, streets, bridges, sidewalks, street lighting, traffic signals, sanitary sewers, water mains and appurtenances, storm sewers, and the grading and landscaping of public lands.

“Building or work” includes construction activity as distinguished from manufacturing, furnishing of materials, or servicing and maintenance work, except for the delivery of mineral aggregate such as sand, gravel, bituminous asphaltic concrete or stone which is incorporated into the work under contract with the City by depositing the material directly in final place from transporting vehicle.

“Erection, construction, remodeling, repairing” means all types of work done on a particular building or work at the site thereof in the construction or development of the project, including without limitation, erecting, construction, remodeling, repairing, altering, painting, and decorating, the transporting of materials and supplies to or from the building or work done by the employees of the Contractor, Subcontractor, or Agent thereof, and the manufacturing or furnishing of materials, articles, supplies or equipment on the site of the building or work, by persons employed by the Contractor, Subcontractor, or Agent thereof.

“Employees working on the project” means laborers, workers, and mechanics employed directly upon the site of work.

“Laborers, Workers, and Mechanics” include preapprentices, helpers, trainees, learners and properly registered and indentured apprentices but exclude clerical, supervisory, and other personnel not performing manual labor.

Establishment of Wage Rates. The Department of Public Works shall periodically obtain a current schedule of prevailing wage rates from DWD. The schedule shall be used to establish the City of Madison Prevailing Wage Rate Schedule for Public Works Construction (prevailing wage rate). The Department of Public Works may include known increases to the prevailing wage rate which can be documented and are to occur on a future specific date. The prevailing wage rate shall be included in public works contracts subsequently negotiated or solicited by the City. Except for known increases contained within the schedule, the prevailing wage rate shall not change during the contract. The approved wage rate is attached hereto.

Workforce Profile. The Contractor shall, at the time of signature of the contract, notify the City Engineer in writing of the names and classifications of all the employees of the Contractor, Subcontractors, and Agents proposed for the work. In the alternative, the Contractor shall submit in writing the classifications of all the employees of the Contractor, Subcontractors and Agents and the total number of hours estimated in each classification for the work. This workforce profile(s) shall be reviewed by the City Engineer who may, within ten (10) days, object to the workforce profile(s) as not being reflective of that which would be required for the work. The Contractor may request that the workforce profile, or a portion of the workforce profile, be submitted after the signature of the contract but at least ten (10) days prior to the work commencing. Any costs or time loss resulting from modifications to the workforce profile as a result of the City Engineer’s objections shall be the responsibility of the Contractor.

Payrolls and Records. The Contractor shall keep weekly payroll records setting forth the name, address, telephone number, classification, wage rate and fringe benefit package of all the employees who work on the contract, including the employees of the Contractor’s subcontractors and agents. Such weekly payroll records must include the required information for all City contracts and all other contracts on which the employee worked during the week in which the employee worked on the contract. The Contractor shall also keep records of the individual time each employee worked on the project and for each day of the project. Such records shall also set forth the total number of hours of overtime credited to each such employee for each day and week and the amount of overtime pay received in that week. The records shall set forth the full weekly wages earned by each employee and the actual hourly wage paid to the employee.

The Contractor shall submit the weekly payroll records, including the records of the Contractor’s subcontractors and agents, to the City Engineer for every week that work is being done on the contract. The submittal shall be within twenty-one (21) calendar days of the end of the Contractor’s weekly pay period.

Employees shall receive the full amounts accrued at the time of the payment, computed at rates not less than those stated in the prevailing wage rate and each employee's rate shall be determined by the work that is done within the trade or occupation classification which should be properly assigned to the employee.

An employee's classification shall not be changed to a classification of a lesser rate during the contract. If, during the term of the contract, an employee works in a higher pay classification than the one which was previously properly assigned to the employee, then that employee shall be considered to be in the higher pay classification for the balance of the contract, receive the appropriate higher rate of pay, and she/he shall not receive a lesser rate during the balance of the contract. For purposes of clarification, it is noted that there is a distinct difference between working in a different classification with higher pay and doing work within a classification that has varying rates of pay which are determined by the type of work that is done within the classification. For example, the classification "Operating Engineer" provides for different rates of pay for various classes of work and the Employer shall compensate an employee classified as an "Operating Engineer" based on the highest class of work that is done in one day. Therefore, an "Operating Engineer's" rate may vary on a day to day basis depending on the type of work that is done, but it will never be less than the base rate of an "Operating Engineer". Also, as a matter of clarification, it is recognized that an employee may work in a higher paying classification merely by chance and without prior intention, calculation or design. If such is the case and the performance of the work is truly incidental and the occurrence is infrequent, inconsequential and does not serve to undermine the single classification principle herein, then it may not be required that the employee be considered to be in the higher pay classification and receive the higher rate of pay for the duration of the contract. However, the Contractor is not precluded or prevented from paying the higher rate for the limited time that an employee performs work that is outside of the employee's proper classification.

Questions regarding an employee's classification, rate of pay or rate of pay within a classification, shall be resolved by reference to the established practice that predominates in the industry and on which the trade or occupation rate/classification is based. Rate of pay and classification disputes shall be resolved by relying upon practices established by collective bargaining agreements and guidelines used in such determination by appropriate recognized trade unions operating within the City of Madison.

The Contractor, its Subcontractors and Agents shall submit to interrogation regarding compliance with the provisions of this ordinance.

Mulcting of the employees by the Contractor, Subcontractor, and Agents on Public Works contracts, such as by kickbacks or other devices, is prohibited. The normal rate of wage of the employees of the Contractor, Subcontractor, and Agents shall not be reduced or otherwise diminished as a result of payment of the prevailing wage rate on a public works contract.

Hourly contributions. Hourly contributions shall be determined in accordance with the prevailing wage rate and with DWD. 290.01(10), Wis. Admin. Code.

Apprentices and Subjourneypersons. Apprentices and subjourneypersons performing work on the project shall be compensated in accordance with the prevailing wage rate and with DWD 290.02, and 290.025, respectively, Wis. Admin. Code.

Straight Time Wages. The Contractor may pay straight time wages as determined by the prevailing wage rate and DWD 290.04, Wis. Admin. Code.

Overtime Wages. The Contractor shall pay overtime wages as required by the prevailing wage rate and DWD 290.05, Wis. Admin. Code.

Posting of Wage Rates and Hours. A clearly legible copy of the prevailing wage rate, together with the provisions of Sec. 66.0903(10)(a) and (11)(a), Wis. Stats., shall be kept posted in at least one conspicuous and easily accessible place at the project site by the Contractor and such notice shall remain posted during the full time any laborers, workers or mechanics are employed on the contract.

Evidence of Compliance by Contractor. Upon completion of the contract, the Contractor shall file with the Department of Public Works an affidavit stating:

- a. That the Contractor has complied fully with the provisions and requirements of Sec. 66.0903(3), Wis. Stats., and Chapter DWD 290, Wis. Admin. Code; the Contractor has received evidence of compliance from each of the agents and subcontractors; and the names and addresses of all of the subcontractors and agents who worked on the contract.
- b. That full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefor; where these records will be kept and the name, address and telephone number of the person who will be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Evidence of Compliance by Agent and Subcontractor. Each agent and subcontractor shall file with the Contractor, upon completion of their portion of the work on the contract an affidavit stating that all the provisions of Sec. 66.0903(3), Wis. Stats., have been fully complied with and that full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefor; where these records shall be kept and the name, address and telephone number of the person who shall be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Failure to Comply with the Prevailing Wage Rate. If the Contractor fails to comply with the prevailing wage rate, she/he shall be in default on the contract.

5. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications and application procedures and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement

Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: 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 insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Director of Affirmative Action.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.
2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or five thousand dollars (\$5,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract.

**CHEROKEE PARK PLAYGROUND IMPROVEMENTS
CONTRACT NO. 6864**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.

Countersigned:

| | | | |
|---------|------|--------------|------|
| | | Company Name | |
| Witness | Date | President | Date |
| Witness | Date | Secretary | Date |

CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

| | |
|---|--|
| Finance Director | City Attorney |
| Signed this _____ day of _____, 20_____ | |
| Witness | Mayor Date |
| Witness | City Clerk Date |

SECTION H: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____
as principal, and _____
Company of _____ as surety, are held and firmly bound unto the City of
Madison, Wisconsin, in the sum of _____ (\$ _____) Dollars, lawful money of the
United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our
respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully
perform all of the terms of the Contract entered into between him/herself and the City of Madison for the
construction of:

**CHEROKEE PARK PLAYGROUND IMPROVEMENTS
CONTRACT NO. 6864**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the
prosecution of said work, and save the City harmless from all claims for damages because of negligence
in the prosecution of said work, and shall save harmless the said City from all claims for compensation
(under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is
to be void, otherwise of full force, virtue and effect.

Signed and sealed this _____ day of _____,

Countersigned:

Company Name (Principal)

Witness

President

Seal

Secretary

Approved as to form:

Surety

Seal

Salary Employee

Commission

By _____

City Attorney

Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under
License No. _____ for the year 20_____, and appointed as attorney-in-fact with
authority to execute this payment and performance bond which power of attorney has not been revoked.

Date

Agent

MINIMUM WAGE SCALE

FOR

PUBLIC WORKS IMPROVEMENTS

APPROVED BY: BOARD OF PUBLIC WORKS

MADISON, WISCONSIN

February 7, 2012

The attached "Prevailing Wage Rate Determination: (Pages 1 through 30), issued February 7, 2012, is hereby approved as the Minimum Wage Scale of the City of Madison.

State of Wisconsin
Department of Workforce Development
Equal Rights Division

DEPARTMENTAL ORDER

ISSUE DATE: 1/13/2012

PROJECT:

ALL PUBLIC WORKS PROJECTS UNDER SEC 66.0903, STATS. CITY OF MADISON
MADISON CITY, DANE COUNTY, WI
Determination No. 201200105

PROJECT OWNER:

ROBERT F. PHILLIPS, CITY ENGINEER
CITY OF MADISON-ENGINEERING
210 MARTIN L KING JR BLVD, RM 115
MADISON, WI 53703

REQUESTER:

ROBERT F. PHILLIPS, CITY ENGINEER
CITY OF MADISON-ENGINEERING
210 MARTIN L KING JR BLVD, RM 115
MADISON, WI 53703

ADDITIONAL CONTACT:

NORMAN DAVIS, CONTRACT COMPLIANCE
CITY OF MADISON-DEPT OF CIVIL RTS-AA DIV
210 MARTIN L KING JR BLVD, RM 523
MADISON, WI 537033342

The department received an application for prevailing wage rate determination for the above-captioned project. The department conducted a survey to determine the prevailing wage rate for the trade(s) or occupation(s) needed to complete the project. The survey's findings appear in the attached project determination.

If you believe that the wage rate for any trade or occupation does not accurately reflect the prevailing wage rate in the city, village or town where the project is located, you may ask the department to conduct an administrative review of such wage rate. You must submit this request in writing within 30 days from the date indicated above. Additionally, your request must include wage rate information from at least three similar projects in the city, village or town where the proposed project is located and on which some work has been performed by the contested trade(s) during the current survey period and was previously considered by the department in issuing the attached determination. See DWD 290.10 of the Wisconsin Administrative Code and either s. 66.0903(3)(br), s. 66.0904(4)(e), or s. 103.49(3)(c), Stats., for a complete explanation of the administrative review process.

Enclosures

It is hereby ordered that the prevailing wage rates set forth in the attached project determination shall only be applicable to the above referenced project. This order is a **FINAL ORDER** of the department unless a timely request for an administrative review is filed with the department.

ISSUED BY:

Equal Rights Division
Labor Standards Bureau
Construction Wage Standards Section
PO Box 8928 Madison, WI 53708-8928
(608)266-6861

Web Site: <http://dwd.wisconsin.gov/er/>

PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin
Department of Workforce Development
Pursuant to s. 66.0903, Wis. Stats.
Issued On: 1/13/2012

DETERMINATION NUMBER: 201200105

EXPIRATION DATE: Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2012. If NOT, You MUST Reapply.

PROJECT NAME: ALL PUBLIC WORKS PROJECTS UNDER SEC 66.0903, STATS.-CITY OF MADISON

PROJECT LOCATION: MADISON CITY, DANE COUNTY, WI

CONTRACTING AGENCY: CITY OF MADISON-ENGINEERING

| | |
|-------------------------|--|
| CLASSIFICATION: | Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm . |
| OVERTIME: | Time and one-half must be paid for all hours worked: <ul style="list-style-type: none">- over 10 hours per day on prevailing wage projects- over 40 hours per calendar week- Saturday and Sunday- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;- The day before if January 1, July 4 or December 25 falls on a Saturday;- The day following if January 1, July 4 or December 25 falls on a Sunday. Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime. A DOT Premium (discussed below) may supersede this time and one-half requirement. |
| FUTURE INCREASE: | When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation. |
| PREMIUM PAY: | If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable. |
| DOT PREMIUM: | This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination. |
| APPRENTICES: | Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture. |
| SUBJOURNEY: | Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project. |

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place on the site of the project. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.

s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR" for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

s. 66.0903 (11) LIABILITY AND PENALTIES.

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.

3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

BUILDING OR HEAVY CONSTRUCTION

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

SKILLED TRADES

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|---|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 101 | Acoustic Ceiling Tile Installer | 29.06 | 15.16 | 44.22 |
| 102 | Bollermaker | 31.09 | 23.75 | 54.84 |
| 103 | Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$.50/hr on 6/1/2012; Add \$.80 on 6/1/2013 Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 32.26 | 16.60 | 48.86 |
| 104 | Cabinet Installer | 29.06 | 15.16 | 44.22 |
| 105 | Carpenter | 29.06 | 15.16 | 44.22 |
| 106 | Carpet Layer or Soft Floor Coverer | 29.06 | 15.16 | 44.22 |
| 107 | Cement Finisher | 32.03 | 15.13 | 47.16 |
| 108 | Drywall Taper or Finisher | 26.10 | 13.65 | 39.75 |
| 109 | Electrician Future Increase(s): Add \$.50/hr on 6/1/2012. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 32.55 | 18.68 | 51.23 |
| 110 | Elevator Constructor | 43.79 | 25.48 | 69.27 |
| 111 | Fence Erector | 25.50 | 0.26 | 25.76 |
| 112 | Fire Sprinkler Fitter | 36.39 | 16.75 | 53.14 |
| 113 | Glazier | 36.23 | 11.22 | 47.45 |
| 114 | Heat or Frost Insulator | 33.28 | 22.51 | 55.79 |
| 115 | Insulator (Batt or Blown) | 23.62 | 11.55 | 35.17 |
| 116 | Ironworker | 30.90 | 19.11 | 50.01 |
| 117 | Lather | 29.06 | 15.16 | 44.22 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|---|---|---------------------------------------|--------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> | <u>HOURLY FRINGE BENEFITS</u> | <u>TOTAL</u> |
| | | \$ | \$ | \$ |
| 118 | Line Constructor (Electrical) | 35.97 | 18.08 | 54.05 |
| 119 | Marble Finisher | 31.16 | 16.27 | 47.43 |
| 120 | Marble Mason | 32.66 | 16.20 | 48.86 |
| 121 | Metal Building Erector | 22.00 | 4.11 | 26.11 |
| 122 | Millwright | 30.66 | 15.21 | 45.87 |
| 123 | Overhead Door Installer | 18.00 | 4.86 | 22.86 |
| 124 | Painter | 25.65 | 14.11 | 39.76 |
| 125 | Pavement Marking Operator | 26.00 | 0.00 | 26.00 |
| 126 | Piledriver | 29.56 | 15.16 | 44.72 |
| 127 | Pipeline Fuser or Welder (Gas or Utility) | 29.54 | 18.84 | 48.38 |
| 129 | Plasterer | 29.03 | 15.16 | 44.19 |
| 130 | Plumber | 36.20 | 15.02 | 51.22 |
| 132 | Refrigeration Mechanic Future Increase(s): Add \$.85/hr on 12/1/11; Add \$.90/hr on 6/1/12; Add \$.85/hr on 12/1/12. | 40.35 | 16.21 | 56.56 |
| 133 | Roofer or Waterproofer | 28.06 | 0.00 | 28.06 |
| 134 | Sheet Metal Worker | 34.23 | 20.19 | 54.42 |
| 135 | Steamfitter Future Increase(s): Add \$.85/hr on 12/1/11; Add \$.90/hr on 6/1/12; Add \$.85/hr on 12/1/12. | 40.35 | 16.21 | 56.56 |
| 137 | Teledata Technician or Installer | 21.26 | 6.99 | 28.25 |
| 138 | Temperature Control Installer | 32.55 | 18.68 | 51.23 |
| 139 | Terrazzo Finisher | 18.00 | 5.35 | 23.35 |
| 140 | Terrazzo Mechanic | 31.16 | 16.27 | 47.43 |
| 141 | Tile Finisher Future Increase(s): Add \$.50/hr on 6/1/2012; Add \$.80/hr on 6/1/2013. | 23.77 | 16.00 | 39.77 |
| 142 | Tile Setter Future Increase(s): Add \$.50/hr on 6/1/2012; Add \$.80/hr on 6/1/2013. | 29.71 | 16.00 | 45.71 |
| 143 | Tuckpointer, Caulker or Cleaner | 22.00 | 9.75 | 31.75 |
| 144 | Underwater Diver (Except on Great Lakes) | 36.20 | 18.81 | 55.01 |
| 146 | Well Driller or Pump Installer | 25.32 | 15.30 | 40.62 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--|--------------------------------|------------------------------|-------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | \$ | \$ | \$ |
| 147 | Siding Installer | 16.74 | 2.58 | 19.32 |
| 150 | Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY | 32.37 | 16.48 | 48.85 |
| 151 | Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY | 28.78 | 15.16 | 43.94 |
| 152 | Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 17.80 | 9.00 | 26.80 |
| 153 | Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 23.38 | 12.48 | 35.86 |
| 154 | Groundman - ELECTRICAL LINE CONSTRUCTION ONLY | 21.30 | 10.97 | 32.27 |

TRUCK DRIVERS

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--|--------------------------------|------------------------------|-------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | \$ | \$ | \$ |
| 201 | Single Axle or Two Axle | 18.00 | 6.98 | 24.98 |
| 203 | Three or More Axle Future Increase(s): Add \$1.57/hr on 6/1/2012. | 18.00 | 13.83 | 31.83 |
| 204 | Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 31.89 | 17.98 | 49.87 |
| 205 | Pavement Marking Vehicle | 19.25 | 10.84 | 30.09 |
| 207 | Truck Mechanic | 18.00 | 13.68 | 31.68 |

LABORERS

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|---|--------------------------------|------------------------------|-------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | \$ | \$ | \$ |
| 301 | General Laborer Future Increase(s): Add \$.50/hr. on 06/04/2012; Add \$.75/hr. on 06/03/2013 Premium Increase(s): Add \$1.00/hr for certified welder; Add \$.25/hr for mason tender | 24.14 | 13.45 | 37.59 |
| 302 | Asbestos Abatement Worker | 23.96 | 12.88 | 36.84 |
| 303 | Landscaper | 17.00 | 6.36 | 23.36 |
| 310 | Gas or Utility Pipeline Laborer (Other Than Sewer and Water) | 20.39 | 12.20 | 32.59 |
| 311 | Fiber Optic Laborer (Outside, Other Than Concrete Encased) | 16.51 | 0.00 | 16.51 |
| 314 | Railroad Track Laborer | 14.00 | 4.77 | 18.77 |

**HEAVY EQUIPMENT OPERATORS
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 501 | Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfg's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfg's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Alre Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket). Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 32.42 | 17.98 | 50.40 |
| 502 | Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under). | 31.89 | 14.44 | 46.33 |
| 503 | Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 31.89 | 17.98 | 49.87 |
| 504 | Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer. | 36.20 | 18.81 | 55.01 |
| 505 | Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for friction crane, lattice boom or crane certification (CCO). | 37.45 | 19.45 | 56.90 |

| Fringe Benefits Must Be Paid On All Hours Worked | | | | |
|---|---|---------------------------------|-------------------------------|--------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> | <u>HOURLY FRINGE BENEFITS</u> | <u>TOTAL</u> |
| | | \$ | \$ | \$ |
| 506 | Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery. | 26.80 | 18.52 | 45.32 |
| 507 | Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY. | 27.75 | 19.15 | 46.90 |

**HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

| Fringe Benefits Must Be Paid On All Hours Worked | | | | |
|---|---|---------------------------------|-------------------------------|--------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> | <u>HOURLY FRINGE BENEFITS</u> | <u>TOTAL</u> |
| | | \$ | \$ | \$ |
| 508 | Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jlb Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. Premium Increase(s): Add \$.50/hr at 200 ton; Add \$1.00/hr. at 300 ton; Add \$1.50/hr at 400 ton; Add \$2.00/hr at 500 ton. | 34.62 | 17.98 | 52.60 |
| 509 | Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Calsson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versl Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over). Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. Premium Increase(s): Add \$.25/hr for cranes with lifting capacity of 45 ton or over. | 33.62 | 17.98 | 51.60 |
| 510 | Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type). Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 32.42 | 17.98 | 50.40 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|---|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 511 | Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bldwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 31.89 | 17.98 | 49.87 |
| 512 | Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. | 35.59 | 19.10 | 54.69 |
| 513 | Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 29.19 | 17.98 | 47.17 |
| 514 | Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment). Future Increase(s): Add \$2/hr. on 1/1/2013. | 34.89 | 19.68 | 54.57 |
| 515 | Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). | 30.32 | 17.40 | 47.72 |
| 516 | Fiber Optic Cable Equipment | 22.00 | 7.27 | 29.27 |

SEWER, WATER OR TUNNEL CONSTRUCTION

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

SKILLED TRADES

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|---|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 103 | Bricklayer, Blocklayer or Stonemason | 32.66 | 16.20 | 48.86 |
| 105 | Carpenter Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 33.43 | 19.31 | 52.74 |
| 107 | Cement Finisher Future Increase(s): Add \$1.86 on 6/1/12; Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. | 30.68 | 15.68 | 46.36 |
| 109 | Electrician Future Increase(s): Add \$1.40/hr on 6/1/2012. Add \$1.60/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 31.54 | 20.95 | 52.49 |
| 111 | Fence Erector | 25.50 | 0.26 | 25.76 |
| 116 | Ironworker Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 31.31 | 22.22 | 53.53 |
| 118 | Line Constructor (Electrical) | 35.97 | 18.08 | 54.05 |
| 125 | Pavement Marking Operator | 26.00 | 0.00 | 26.00 |
| 126 | Piledriver | 29.56 | 15.16 | 44.72 |
| 130 | Plumber | 36.20 | 15.02 | 51.22 |
| 135 | Steamfitter | 39.90 | 15.76 | 55.66 |
| 137 | Teledata Technician or Installer | 21.26 | 6.99 | 28.25 |

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 143 | Tuckpointer, Caulker or Cleaner | 22.00 | 9.75 | 31.75 |
| 144 | Underwater Diver (Except on Great Lakes) | 36.20 | 18.81 | 55.01 |
| 146 | Well Driller or Pump Installer | 24.22 | 14.80 | 39.02 |
| 150 | Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY | 32.37 | 16.48 | 48.85 |
| 151 | Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY | 28.78 | 15.16 | 43.94 |
| 152 | Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 17.80 | 9.00 | 26.80 |
| 153 | Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 23.38 | 12.48 | 35.86 |
| 154 | Groundman - ELECTRICAL LINE CONSTRUCTION ONLY | 21.30 | 10.97 | 32.27 |

TRUCK DRIVERS

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 201 | Single Axle or Two Axle | 23.00 | 8.64 | 31.64 |
| 203 | Three or More Axle | 21.17 | 9.51 | 30.68 |
| 204 | Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 22.50 | 16.19 | 38.69 |
| 205 | Pavement Marking Vehicle | 19.25 | 10.84 | 30.09 |
| 207 | Truck Mechanic | 21.17 | 9.51 | 30.68 |

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|---|---------------------------------------|-------------------------------------|--------------------|
| 301 | General Laborer Future Increase(s): Add \$.70/hr. on 06/04/2012; Add \$.80/hr. on 06/03/2013 Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for tunnel work 0-15 lbs. compressed air; Add \$2.00 for over 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air. | 25.28 | 13.44 | 38.72 |

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 303 | Landscaper | 17.00 | 6.36 | 23.36 |
| 304 | Flagperson or Traffic Control Person | 12.00 | 17.89 | 29.89 |
| 311 | Fiber Optic Laborer (Outside, Other Than Concrete Encased) | 16.51 | 0.00 | 16.51 |
| 314 | Railroad Track Laborer | 14.00 | 4.77 | 18.77 |

**HEAVY EQUIPMENT OPERATORS
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|---|---------------------------------------|-------------------------------------|--------------------|
| 521 | Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jlb Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver. Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. Premium Increase(s): Add \$.25/hr for cranes with lifting capacity of 45 ton or over. | 33.62 | 17.98 | 51.60 |
| 522 | Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jlb Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Travelling Crane (Bridge Type). Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 32.42 | 17.98 | 50.40 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 523 | Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Slideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 31.89 | 17.98 | 49.87 |
| 524 | Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. | 30.89 | 17.16 | 48.05 |
| 525 | Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 29.19 | 17.98 | 47.17 |
| 526 | Boiler (Temporary Heat); Forklift; Greaser; Oiler. | 29.19 | 17.96 | 47.15 |
| 527 | Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer. | 36.20 | 18.81 | 55.01 |
| 528 | Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder. | 36.20 | 18.81 | 55.01 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|---|---|---|--------------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
| 529 | Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery. | 26.80 | 18.52 | 45.32 |
| 530 | Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY. | 26.80 | 18.52 | 45.32 |

AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

SKILLED TRADES

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|---|---------------------------------------|-------------------------------------|--------------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
| 103 | Bricklayer, Blocklayer or Stonemason | 32.66 | 15.92 | 48.58 |
| 105 | Carpenter | 30.23 | 15.16 | 45.39 |
| 107 | Cement Finisher Future Increase(s): Add \$1.86 on 6/1/12; Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. | 30.68 | 15.68 | 46.36 |
| 109 | Electrician | 37.25 | 14.68 | 51.93 |
| 111 | Fence Erector | 35.62 | 0.00 | 35.62 |
| 116 | Ironworker | 30.90 | 19.11 | 50.01 |
| 118 | Line Constructor (Electrical) | 35.97 | 18.08 | 54.05 |
| 124 | Painter | 28.00 | 11.15 | 39.15 |
| 125 | Pavement Marking Operator | 26.65 | 14.92 | 41.57 |
| 126 | Piledriver | 29.56 | 15.16 | 44.72 |
| 133 | Roofer or Waterproofer | 28.06 | 0.00 | 28.06 |
| 137 | Teledata Technician or Installer | 21.26 | 6.99 | 28.25 |
| 143 | Tuckpointer, Caulker or Cleaner | 22.00 | 9.75 | 31.75 |
| 144 | Underwater Diver (Except on Great Lakes) | 36.20 | 18.81 | 55.01 |
| 150 | Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY | 35.42 | 12.90 | 48.32 |
| 151 | Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY | 35.50 | 14.27 | 49.77 |
| 152 | Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 25.18 | 14.07 | 39.25 |
| 153 | Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 23.38 | 12.48 | 35.86 |

| | | | | |
|-----|---|-------|-------|-------|
| 154 | Groundman - ELECTRICAL LINE CONSTRUCTION ONLY | 21.30 | 10.97 | 32.27 |
|-----|---|-------|-------|-------|

TRUCK DRIVERS

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|---|---------------------------------------|-------------------------------------|--------------------|
| 201 | Single Axle or Two Axle Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 22.35 | 16.19 | 38.54 |
| 203 | Three or More Axle Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 22.50 | 16.19 | 38.69 |
| 204 | Articulated, Euclid, Dumptor, Off Road Material Hauler | 24.91 | 15.63 | 40.54 |
| 205 | Pavement Marking Vehicle | 23.84 | 14.76 | 38.60 |
| 206 | Shadow or Pilot Vehicle | 24.76 | 15.35 | 40.11 |
| 207 | Truck Mechanic | 24.91 | 15.35 | 40.26 |

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 301 | General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014. Premium Increase(s): Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman); formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 27.20 | 13.45 | 40.65 |
| 302 | Asbestos Abatement Worker | 23.96 | 12.88 | 36.84 |
| 303 | Landscaper Future Increase(s): Add \$1.60/hr on 6/1/12; Add \$1.70/hr on 6/1/13; Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 27.20 | 13.45 | 40.65 |
| 304 | Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. | 23.55 | 13.45 | 37.00 |

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 311 | Fiber Optic Laborer (Outside, Other Than Concrete Encased) | 16.51 | 0.00 | 16.51 |
| 314 | Railroad Track Laborer | 14.00 | 4.77 | 18.77 |

**HEAVY EQUIPMENT OPERATORS
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 531 | Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 34.22 | 18.90 | 53.12 |
| 532 | Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 33.72 | 18.90 | 52.62 |

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|---|---------------------------------------|-------------------------------------|--------------------|
| 533 | <p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (CARRY Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p> | 33.22 | 18.90 | 52.12 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|---|---|---|--------------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
| 534 | Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curling Machine. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 32.96 | 18.90 | 51.86 |
| 535 | Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chlpper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 32.67 | 18.90 | 51.57 |
| 536 | Fiber Optic Cable Equipment. | 22.00 | 7.27 | 29.27 |
| 537 | Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer. | 36.20 | 18.81 | 55.01 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|---|---|---|--------------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
| 538 | Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder. | 36.20 | 18.81 | 55.01 |
| 539 | Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery. | 26.80 | 18.52 | 45.32 |
| 540 | Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY. | 26.80 | 18.52 | 45.32 |

LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

SKILLED TRADES

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|---|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 103 | Bricklayer, Blocklayer or Stonemason | 32.66 | 16.20 | 48.86 |
| 105 | Carpenter | 29.06 | 15.16 | 44.22 |
| 107 | Cement Finisher Future Increase(s): Add \$1.86 on 6/1/12; Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise. | 30.68 | 15.68 | 46.36 |
| 109 | Electrician Future Increase(s): Add \$.50/hr. effective 06/04/2012. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 28.74 | 17.86 | 46.60 |
| 111 | Fence Erector | 25.50 | 0.26 | 25.76 |
| 116 | Ironworker | 30.90 | 19.11 | 50.01 |
| 118 | Line Constructor (Electrical) | 35.97 | 18.08 | 54.05 |
| 124 | Painter | 25.65 | 14.11 | 39.76 |
| 125 | Pavement Marking Operator | 26.00 | 0.00 | 26.00 |
| 126 | Piledriver | 29.56 | 15.16 | 44.72 |
| 133 | Rofer or Waterproofer | 28.06 | 0.00 | 28.06 |
| 137 | Teledata Technician or Installer | 21.26 | 6.99 | 28.25 |
| 143 | Tuckpointer, Caulker or Cleaner | 22.00 | 9.75 | 31.75 |
| 144 | Underwater Diver (Except on Great Lakes) | 36.20 | 18.81 | 55.01 |
| 150 | Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY | 35.42 | 12.90 | 48.32 |

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|---|---------------------------------------|-------------------------------------|--------------------|
| 151 | Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. | 29.64 | 14.64 | 44.28 |
| 152 | Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 25.18 | 13.07 | 38.25 |
| 153 | Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY | 23.38 | 12.48 | 35.86 |
| 154 | Groundman - ELECTRICAL LINE CONSTRUCTION ONLY | 21.30 | 10.97 | 32.27 |

TRUCK DRIVERS

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 201 | Single Axle or Two Axle | 15.00 | 0.00 | 15.00 |
| 203 | Three or More Axle | 19.50 | 4.97 | 24.47 |
| 204 | Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013. | 31.89 | 17.98 | 49.87 |
| 205 | Pavement Marking Vehicle | 19.25 | 10.84 | 30.09 |
| 206 | Shadow or Pilot Vehicle | 15.00 | 0.00 | 15.00 |
| 207 | Truck Mechanic | 19.50 | 4.97 | 24.47 |

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
|-------------|--|---------------------------------------|-------------------------------------|--------------------|
| 301 | General Laborer | 26.15 | 12.29 | 38.44 |
| 303 | Landscaper | 23.71 | 15.07 | 38.78 |
| 304 | Flagperson or Traffic Control Person | 12.00 | 17.89 | 29.89 |
| 311 | Fiber Optic Laborer (Outside, Other Than Concrete Encased) | 16.51 | 0.00 | 16.51 |
| 314 | Railroad Track Laborer | 14.00 | 4.77 | 18.77 |

**HEAVY EQUIPMENT OPERATORS
CONCRETE PAVEMENT OR BRIDGE WORK**

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 541 | Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions. (Including prep time prior to and/or cleanup after such time period). | 34.22 | 18.90 | 53.12 |
| 542 | Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 33.72 | 18.90 | 52.62 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|--|---|---|---------------------------------------|--------------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 543 | Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames. | 33.22 | 18.90 | 52.12 |
| | Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. | | | |
| | Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | | | |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|--|--|---|---|--------------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
| 544 | Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 33.22 | 18.90 | 52.12 |
| 545 | Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. | 30.42 | 17.58 | 48.00 |
| 546 | Fiber Optic Cable Equipment. | 22.00 | 7.27 | 29.27 |
| 547 | Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer. | 36.20 | 18.81 | 55.01 |
| 548 | Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder. | 36.20 | 18.81 | 55.01 |
| 549 | Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery. | 26.80 | 18.52 | 45.32 |
| 550 | Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY. | 26.80 | 18.52 | 45.32 |

**HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK**

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--|---|---------------------------------------|--------------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 551 | Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. | 34.62 | 17.96 | 52.58 |
| 552 | Backhoe (Track Type) Having a Mfr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period). | 33.72 | 18.90 | 52.62 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|--|---|---|--------------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> \$ | <u>HOURLY FRINGE BENEFITS</u> \$ | <u>TOTAL</u> \$ |
| 553 | Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. | 32.67 | 18.55 | 51.22 |
| 554 | Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler. | 31.52 | 17.89 | 49.41 |
| 555 | Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. | 32.67 | 18.55 | 51.22 |
| 556 | Fiber Optic Cable Equipment. | 22.00 | 7.27 | 29.27 |

RESIDENTIAL OR AGRICULTURAL CONSTRUCTION

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

SKILLED TRADES

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|--------------------------------------|--------------------------------|------------------------------|-------|
| CODE | TRADE OR OCCUPATION | \$ | \$ | \$ |
| 101 | Acoustic Ceiling Tile Installer | 27.00 | 2.47 | 29.47 |
| 102 | Boilermaker | 31.09 | 23.75 | 54.84 |
| 103 | Bricklayer, Blocklayer or Stonemason | 32.00 | 3.00 | 35.00 |
| 104 | Cabinet Installer | 22.00 | 2.74 | 24.74 |
| 105 | Carpenter | 27.00 | 3.46 | 30.46 |
| 106 | Carpet Layer or Soft Floor Coverer | 23.95 | 2.78 | 26.73 |
| 107 | Cement Finisher | 21.33 | 4.25 | 25.58 |
| 108 | Drywall Taper or Finisher | 23.80 | 1.55 | 25.35 |
| 109 | Electrician | 22.00 | 9.18 | 31.18 |
| 110 | Elevator Constructor | 43.79 | 25.48 | 69.27 |
| 111 | Fence Erector | 17.64 | 4.33 | 21.97 |
| 112 | Fire Sprinkler Fitter | 36.39 | 16.97 | 53.36 |
| 113 | Glazier | 36.23 | 11.22 | 47.45 |
| 114 | Heat or Frost Insulator | 29.04 | 19.73 | 48.77 |
| 115 | Insulator (Batt or Blown) | 18.95 | 1.70 | 20.65 |
| 116 | Ironworker | 30.90 | 19.11 | 50.01 |
| 117 | Lather | 28.15 | 15.14 | 43.29 |
| 119 | Marble Finisher | 31.16 | 16.27 | 47.43 |
| 120 | Marble Mason | 32.66 | 16.20 | 48.86 |
| 121 | Metal Building Erector | 17.50 | 2.80 | 20.30 |
| 123 | Overhead Door Installer | 17.00 | 0.00 | 17.00 |
| 124 | Painter | 25.65 | 6.33 | 31.98 |
| 125 | Pavement Marking Operator | 26.00 | 0.00 | 26.00 |

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|----------------------------------|--------------------------------|------------------------------|-------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | \$ | \$ | \$ |
| 129 | Plasterer | 19.00 | 0.29 | 19.29 |
| 130 | Plumber | 30.00 | 10.34 | 40.34 |
| 132 | Refrigeration Mechanic | 30.96 | 0.00 | 30.96 |
| 133 | Roofer or Waterproofer | 29.85 | 1.55 | 31.40 |
| 134 | Sheet Metal Worker | 21.03 | 3.40 | 24.43 |
| 135 | Steamfitter | 32.59 | 11.05 | 43.64 |
| 137 | Teledata Technician or Installer | 19.23 | 5.32 | 24.55 |
| 138 | Temperature Control Installer | 22.45 | 4.11 | 26.56 |
| 139 | Terrazzo Finisher | 18.00 | 5.35 | 23.35 |
| 140 | Terrazzo Mechanic | 31.16 | 16.27 | 47.43 |
| 141 | Tile Finisher | 23.96 | 13.36 | 37.32 |
| 142 | Tile Setter | 21.00 | 0.00 | 21.00 |
| 143 | Tuckpointer, Caulker or Cleaner | 23.96 | 12.88 | 36.84 |
| 146 | Well Driller or Pump Installer | 15.10 | 12.38 | 27.48 |
| 147 | Siding Installer | 18.80 | 1.42 | 20.22 |

TRUCK DRIVERS

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|----------------------------|--------------------------------|------------------------------|-------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | \$ | \$ | \$ |
| 201 | Single Axle or Two Axle | 19.86 | 2.54 | 22.40 |
| 203 | Three or More Axle | 19.50 | 14.27 | 33.77 |
| 205 | Pavement Marking Vehicle | 19.25 | 10.84 | 30.09 |
| 207 | Truck Mechanic | 19.00 | 1.75 | 20.75 |

LABORERS

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | HOURLY BASIC RATE OF PAY | HOURLY FRINGE BENEFITS | TOTAL |
|---|----------------------------|--------------------------------|------------------------------|-------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | \$ | \$ | \$ |
| 301 | General Laborer | 16.09 | 7.18 | 23.27 |
| 302 | Asbestos Abatement Worker | 17.00 | 2.21 | 19.21 |
| 303 | Landscaper | 25.00 | 0.54 | 25.54 |

| | | | | |
|-----|--|-------|------|-------|
| 311 | Fiber Optic Laborer (Outside, Other Than Concrete Encased) | 16.51 | 0.00 | 16.51 |
|-----|--|-------|------|-------|

**HEAVY EQUIPMENT OPERATORS
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

| Fringe Benefits Must Be Paid On <u>All</u> Hours Worked | | | | |
|---|--|---|---------------------------------------|--------------|
| <u>CODE</u> | <u>TRADE OR OCCUPATION</u> | <u>HOURLY BASIC RATE OF PAY</u> | <u>HOURLY FRINGE BENEFITS</u> | <u>TOTAL</u> |
| | | \$ | \$ | \$ |
| 557 | Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manholst; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames. | 29.45 | 15.37 | 44.82 |
| 558 | Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack. | 26.45 | 14.35 | 40.80 |

***** END OF RATES *****