

Project Name: Lewton - Bid Package 2 - New Build
Project No.: 221125-100
Architect: Kingscott
Date: 11/07/2025

Bid Package No.: 2
Bid Due Date: 11/20/2025 @ 2:00PM

This Addendum is issued to inform the bidders of modifications in the scope of work being bid for this project.

A. Documents included in this Addendum:

- Pre-Bid RFIs (to date)
 - i. Attached list of pre-bid RFIs that have been responded to as of 11/06/2025
 - ii. All pre-bid RFIs are due TODAY, Friday November 7th at 5PM
- Schedule of Allowances
 - i. Attached schedule of allowances for each Work Category
- Specification Section 116813 – Playground Equipment
 - i. Revised specifications along with the basis of design for playground equipment

B. Other modifications:

- *Please review WC Allowances, some have changed in this Addendum*

C. Bids are due 11/20/2025 @ 2:00PM.

- **Include in your bid the increase or decrease for all materials, labor, supervision, overhead and profit required to properly and completely execute the work described in this Addendum.**
- **Acknowledge receipt of this Addendum on the Bid Proposal Form.**

The applicable provisions of the Contract Documents shall govern all work included herein unless specifically noted otherwise.

END OF ADDENDUM NO. [#3]



The Christman Company

RFI LOG

#	Subject	Status	Responsible Contractor	Received From	Date Initiated	RFI Manager	Assignee	Ball In Court	Due Date	Closed Date	Location	Schedule Impact	Cost Impact	Cost Code	Sub Job	RFI Stage	Distribution List	Private
76	CL 52 vs CL 54	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Austin Brown Sent Thu Nov 6, 2025 at 04:57 pm EST Sheet C4.1 note 4 calls for class 52 for watermain. On the drawing, at the building it is noted to install CL54. Please verify which is required.																		
75	Substitution Request - Navien Tankless Water Heaters	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Austin Brown Sent Thu Nov 6, 2025 at 04:54 pm EST Please see attached substitution request for Navien Water Heaters for consideration. 07-06-22 Why Navien Tankless Water Heaters.docx Navien Substitution Request.pdf																		
74	Storm Sewer Structures - Boots and HDPE Pipe	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Austin Brown Sent Thu Nov 6, 2025 at 04:52 pm EST Are storm sewers structures required to have boots for HDPE pipe?																		
73	Pro-Mec - TAB Qualification Request for Consideration	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Austin Brown Sent Thu Nov 6, 2025 at 04:48 pm EST Please see attached request for Pro-Mec to be approved to provide TAB services for the Lewton project. PMES SOQ TAB Contractor Lewton Elem..pdf																		
72	Substitution Request - Carlisle EPDM Assembly	Open		None	11/06/2025	Austin Brown	Szeszulski, Sami ... Singh, Romica (Ki...	Brown, Austin (Th...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Austin Brown Sent Thu Nov 6, 2025 at 04:42 pm EST Please see attached substitution request regarding a Carlisle assembly for consideration.																		

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	substitution-request.pdf																	
	A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 06:40 pm EST Carlisle white EPDM is acceptable.																	
71	Nailers and Roof Insulation	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Austin Brown Sent Thu Nov 6, 2025 at 04:39 pm EST Regarding details 2, 3, and 4 / A4.1, 2/A4.2, and 1 & 2 / A4.3: Is it the intention to attach lumber nailers to insulation?																	
70	RE: RFI 14 - FRP Door Selection	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Austin Brown Sent Thu Nov 6, 2025 at 12:00 pm EST In response to the answer provided in RFI 14; Aluminum faced doors are more delicate and show wear and tear more easily than FRP faced aluminum. Please verify if Aluminum Face is the final intent for type F and N8 doors, or if there is any desire to revise the selection to FRP faced aluminum doors.																	
69	Thermal Tublite TU24000 - Frame Type 1, 3, 4, 5	Open		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/10/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Austin Brown Sent Thu Nov 6, 2025 at 11:50 am EST Please confirm if immediate Aluminum Frames type 1, 3, 4, and 5 can be standard profile Non-Thermal at exterior openings, or if these are required to be Thermal matching Tubelite TU24000 series? Typically, these immediate frames are not thermal, and the design basis FRP Vale Door does not offer a thermal series immediate frame.																	
68	Substitution Request - EPDM Roofing - Johns Manville	Closed		None	11/06/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...		11/10/2025	11/06/25							Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Austin Brown Sent Thu Nov 6, 2025 at 11:47 am EST Please see attached Product Data for Johns Manville - White EPDM for consideration of a substitute manufacturer for the roofing membrane. JM White EPDM Substitution Request_New Lewton Elementary School.pdf																	
	A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 11:50 am EST Johns Manville white EPDM is approved.																	
67	Substitution Request - Division 5 - Metal Ladder/Metal	Closed		None	11/06/2025	Austin Brown	Szeszulski, Sami ... Singh,		11/10/2025	11/06/25							Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No

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	Fabrication						Romica (Ki...										Company (LAN))	
	Austin Brown Sent Thu Nov 6, 2025 at 11:35 am EST Attached product data for Metal Ladder / Metal Fabrications, a request to add O'Keeffe's Inc to the list of approved manufacturers to provide Division 5 - Ladders. New Lewton Magnet Elementary School - OK Substitution Request.pdf OKeeffes-Ladder-Brochure-6.14.2021-small - Copy.pdf Access Details.zip Aluminum vs Steel Brochure.pdf Access Ladders.pdf																	
	A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 11:48 am EST O'Keeffe's Inc is approved.																	
66	Substitution Request - Phenolic Partitions - Hadrian	Closed		None	11/05/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...		11/09/2025	11/06/25							Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Austin Brown Sent Wed Nov 5, 2025 at 12:54 pm EST Please see attached substitution request to approve Hadria as an alternative phenolic toilet partition vendor on this project. New Lewton Magnet Elementary - Hadrian Phenolic Submittal Package.pdf																	
	A: Romica Singh (Kingscott) Responded Wed Nov 5, 2025 at 02:25 pm EST Hadrian phenolic toilet partitions are approved.																	
65	Substitution Request - Dynamic Wood Solutions	Open		None	11/05/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/09/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Austin Brown Sent Wed Nov 5, 2025 at 12:52 pm EST We would like to propose adding Dynamic Wood Solutions to the list of approved casework manufactures for this project. Attached are qualification info, references, examples of completed K12 projects, and other information. DWS Qualification Info.pdf																	
64	Mechanical Controls - Carbon Monoxide Detectors	Open		None	11/05/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Kettenbeil, Brand...	11/09/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Brandon Kettenbeil Sent Wed Nov 5, 2025 at 11:41 am EST The Heating Hot Water System Control Diagram on M8.5 (Monitor and Alarm - Note #11) calls for: "STANDALONE GAS DETECTION SYSTEM (CO SENSOR, STROBE, AND HORN) SHALL MONITOR CO LEVELS IN THE BOILER ROOM. UPON TRIGGER, THE GAS DETECTION SYSTEM SHALL ALERT THE BAS IF SYSTEM IS IN ALARM." and in the graphic above denotes "CARBON MONOXIDE (CO) DETECTOR & ALARM PANEL - TO ALL GAS FIRED EQUIPMENT."																	
	Q: Question - Please give details on what is required to satisfy these comments. Please clarify the following: 1. Is the intent for a fully integrated system with the BAS or a standalone system with BAS monitoring only? 2. Is a sequence of operations required, or is this strictly a monitor/alarm function?																	

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3. Please confirm the required quantity and locations of CO sensors, strobes, and horns.																		
A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 06:46 pm EST Fully integrate CO detector and alarm into BAS. The gas detection system shall alert the BAS if system is in alarm. Refer to HHW System control diagrams for more info. Provide CO sensors, strobes, and horns, quantity and locations as recommended by supplier/MFR. 2025-11-05 RFI #64_SES Response 11-6-25.pdf																		
63	Mechanical Controls - Cabinet Unit Heater Wiring	Open		None	11/05/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/09/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Wed Nov 5, 2025 at 11:26 am EST The Hot Water Cabinet Unit Heater Schedule on M6.1 calls for both CUHs to have 120v controls wiring. Will the thermostat and control valve wiring be by WC 27 or by WC 28? Should these CUHs be tied into the BMS?																		
62	Mechanical Controls - Exhaust Fan Schedule - EC Motor	Open		None	11/05/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Kettenbeil, Brand...	11/09/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Wed Nov 5, 2025 at 11:17 am EST The Exhaust Fan Schedule on M6.0 (Note #3) calls for: "WHERE 'VG' IS INDICATED IN MODEL NUMBER, PROVIDE WITH EC MOTOR WITH 0-10 VDC INPUT FOR CONNECTION TO BMS AND CONTROL DIAL FOR BALANCING." Question - There is usually only one 0-10 vdc input, do you want it for BMS or for balancing? I would leave it for balancing as there is not SOO for the controls to use it. Please advise.																		
A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 06:45 pm EST EC motor with 0-10 VDC input required for balancing. 2025-11-05 RFI #62_SES Response 11-6-25.pdf																		
61	Mechanical Controls - RTU Schedule - Duct Detectors	Open		None	11/05/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Kettenbeil, Brand...	11/09/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Wed Nov 5, 2025 at 11:14 am EST The RTU schedule on M6.0 (Note #1) calls for: " DUCT SMOKE DETECTORS ON UNIT SUPPLY AND RETURN FOR AIRFLOW OVER 1900 CFM. DETECTORS SHALL BE BY DIVISION 28. TCC SHALL WIRE FROM DETECTOR TO UNIT SHUTOFF." Question - Should all fire alarm wiring be done by the fire alarm contractor (WC 28)? Why would TCC have to do this for the RTU's and not for the rest of the HVAC equipment? Please advise.																		
A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 06:45 pm EST GC to coordinate and delegate scope of work during construction as required. 2025-11-05 RFI #61_SES Response 11-6-25.pdf																		
60	Mechanical Controls - Kitchen Hood - Make-Up Air Unit	Open		None	11/05/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Kettenbeil, Brand...	11/09/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No

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	Brandon Kettenbeil Sent Wed Nov 5, 2025 at 11:10 am EST The MAU schedule on M6.0 (Note #2) calls for "TEMPERATURE CONTROLS BY TCC (WC 27) AND COORDINATED WITH KITCHEN HOOD CONTROLLER. REFER TO CONTROLS DIAGRAM AND SOO." Q: The Sequence of Operations for the Kitchen MAU and Exhaust Fan on M8.5 calls for "CONTROLS TO BE SUPPLIED BY THE TEMPERATURE CONTROLS CONTRACTOR AND COORDINATED WITH THE FOOD SERVICE CONTRACTOR." Question - This is all usually done through the MAU factory controller and the kitchen hood controller to which WC 27 integrates via BACnet. Please confirm that this is the design intent. A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 06:44 pm EST MAU with packaged controls and BACnet connection is also acceptable. If this approach is followed, TCC shall integrate into BAS and coordinate with FSC as required. Coordinate kitchen hood and MAU controls with equipment submittal prior to ordering. 2025-11-05 RFI #60_SES Response 11-6-25.pdf																	
59	Mechanical Controls - VAV Sequence - Co2 Sensors	Open		None	11/05/2025	Brandon Kettenbeil	Szeszulski, Sami ... Singh, Romica (Ki...	Kettenbeil, Brand...	11/09/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Brandon Kettenbeil Sent Wed Nov 5, 2025 at 10:44 am EST M8.1: VAV In the VAV Sequence some of the VAV's are in need of Co2 Sensors, Question - What areas will be needing Co2 Sensors? A: Romica Singh (Kingscott) Responded Thu Nov 6, 2025 at 06:43 pm EST VAVs with CO2 sensors shall be typical for all VAVs serving classrooms, Cafeteria, and Conference rooms. Refer to Controls Diagrams for additional info. 2025-11-05 RFI #59_SES Response 11-6-25.pdf																	
58	Roofing Membrane Substitution Request - White PVC Duro-Last	Closed		None	11/05/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...		11/09/2025	11/05/25							Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Austin Brown Sent Wed Nov 5, 2025 at 10:01 am EST Attached is the substitution request for approval of Duro Last - Duro Tuff PVC roof system. There are no proposed changes to the roof assembly other than using 60 mil - white - PVC in lieu of 60 mil -white -epdm Q: lewton spec.pdf sub request Lewton.pdf lewton product data.zip DL vs other single ply.pdf A: Romica Singh (Kingscott) Responded Wed Nov 5, 2025 at 10:07 am EST No approved per district.																	
57	Schneider Electric - Request to be Added to Approved Manufacturers	Open		None	11/05/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/09/2025								Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Austin Brown Sent Wed Nov 5, 2025 at 09:22 am EST For section 262713 2.1 - MANUFACTURERS, under B. Electricity Meters; Q: Please consider adding Schneider Electric to the list of approved manufacturers as noted below;																	

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3. Schneider Electric: https://www.se.com/us/en/																		
56	Site Conditions at Project Start	Closed		None	11/04/2025	Brandon Kettenbeil	Kettenbeil, Brand...		11/08/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Tue Nov 4, 2025 at 11:26 am EST When this project starts, it will be an empty lot correct? All existing structures, concrete, paving will have already been removed?																		
A: Brandon Kettenbeil (The Christman Company (LAN)) Responded Tue Nov 4, 2025 at 11:26 am EST This is correct, please refer to the WC02 highlighted drawing for coordination between WC02 - Earthwork and WC01 - Demolition (awarded in BP1) for demolition tasks between BP1 and BP2.																		
55	Metal Lockers - Recessed Trim	Closed		None	11/04/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/08/2025	11/06/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Tue Nov 4, 2025 at 09:36 am EST Section 1.15.G: Recessed Trim: All lockers in Corridors (72" tall) receive recessed trim and not slope top. Please confirm																		
A: Romica Singh (Kingscott) Responded Wed Nov 5, 2025 at 02:53 pm EST Correct, no slope tops at the lockers. There is a soffit above.																		
54	Metal Lockers - Combination Locks	Closed		None	11/04/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/08/2025	11/06/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Tue Nov 4, 2025 at 09:07 am EST Section 1.13.K: Calls for all locks to be Built-in Combination Locks. Please confirm this is correct.																		
A: Romica Singh (Kingscott) Responded Wed Nov 5, 2025 at 02:54 pm EST Correct, recessed built-in combination locks.																		
53	Metal Lockers - Base Material	Open		None	11/04/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/08/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Tue Nov 4, 2025 at 09:06 am EST Section 1.10.A: Call for wood bases for metal lockers, but Section 1.13.L.6: Call for factory provided Z-Base. Please clarify if wood base or Z-base is to be provided.																		
52	Metal Lockers - Fastening	Open		None	11/04/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/08/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No

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	Q: Brandon Kettenbeil Sent Tue Nov 4, 2025 at 09:03 am EST Section 1.2.A: Call for Welded Lockers, but Section 1.13.G: Call for body of lockers assembled by rivets or bolts. Section 1.15.D: Call for lockers to be welded. Please clarify whether the lockers are to be welded or riveted/bolted.																	
51	Underground Detention System Outlet	Closed		None	11/03/2025	Brandon Kettenbeil	Kettenbeil, Brand...		11/07/2025	11/03/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Brandon Kettenbeil Sent Mon Nov 3, 2025 at 12:16 pm EST Drawing C4.2 calls for the earthwork contractor to field verify the condition of the existing manhole which will connect to a 30" storm outlet. Contractor to provide a price to provide and install a 6' I.D. structure. There does not appear to be a bid item for this work. How do we include this?																	
	A: Brandon Kettenbeil (The Christman Company (LAN)) Responded Mon Nov 3, 2025 at 12:19 pm EST This item should not be included in the contractor's base bid, as the scope and associated cost cannot be accurately determined at this time. The intent of this requirement is for the work to be funded through the Earthwork Contractor's (WC 02) allowance, should the installation of the 6' I.D. structure be deemed necessary following field verification of the existing manhole condition.																	
50	Underground Detention System - Manhole Sizing	Closed		None	11/03/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/07/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Brandon Kettenbeil Sent Mon Nov 3, 2025 at 12:06 pm EST Drawing C4.2 indicates manhole and catch basin sizing to be used in the proposed underground detention system. Given the proposed pipe sizes required, please confirm the inside diameters of MH 5 and MH 3. Currently it is felt that these manholes may need to be upsized.																	
	A: Romica Singh (Kingscott) Responded Tue Nov 4, 2025 at 11:58 am EST Manhole #5 should be 5ft dia. Instead of 4ft dia. This will be included in the next addendum. MH #3 should remain 5ft dia.																	
49	Televising of Existing Sewer Lead	Closed		None	11/03/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/07/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q: Brandon Kettenbeil Sent Mon Nov 3, 2025 at 11:39 am EST Drawing C4.2 calls for WC 02 to excavate and locate the existing sewer lead. Should the sewer lead also be televised at this time to determine pipe condition?																	
	A: Romica Singh (Kingscott) Responded Tue Nov 4, 2025 at 11:16 am EST The contractor should televise the existing sewer lead to determine condition. this is assuming the sewer lead is 6"+, and it is deeper than 864.50 at manhole 1. Note to be added to the plans for the next addendum.																	
48	Sewer Lead Replacement to MH 11	Closed		None	11/03/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/07/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No

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	Q:	Brandon Kettenbeil Sent Mon Nov 3, 2025 at 11:33 am EST Drawing C4.2 calls for the earthwork contractor to verify the depth and sizing of the existing sewer lead and replace said lead within the right-of-way to MH 11. What inlet invert will be used at MH 11? Will a drop connection be required?																
		Romica Singh (Kingscott) Responded Tue Nov 4, 2025 at 11:09 am EST The east invert of the existing sanitary sewer lead needs to be 6" and at or below the east invert called out for manhole 1 (864.50').																
	A:	If the existing invert of sanitary sewer lead is above 864.50 or smaller than 6", please replace the existing sewer lead with 6" PVC SDR 23.5 at 1% slope. It is not anticipated that an internal drop will be required as the drop at the existing manhole should be less than 1.5'. Lewton RFI 48.png																
47	Alternate - Sewer Lead Replacement	Closed		None	11/03/2025	Brandon Kettenbeil	Kettenbeil, Brand...		11/07/2025	11/03/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q:	Brandon Kettenbeil Sent Mon Nov 3, 2025 at 11:27 am EST Drawing C4.2 calls for the earthwork contractor to field verify the size and depth of the existing sewer lead to MH 11. Replacement of this existing lead to MH 11 in the right-of-way to be funded from the contractors allowance. There is no bid item on the bid form for the requested sewer lead replacement if required. How do we include?																
		Brandon Kettenbeil (The Christman Company (LAN)) Responded Mon Nov 3, 2025 at 11:30 am EST A separate bid item for this work is not required, as the cost to perform the sewer lead replacement cannot be determined until the exploratory excavation is completed. Contractors shall include only the cost to perform the exploratory excavation in their bids. If replacement of the existing sewer lead to MH 11 within the right-of-way is deemed necessary based on the results of the exploratory excavation, the associated work shall be funded through the Earthwork Contractor's (WC 02) allowance.																
46	Post Indicator Valve Clarification	Closed		None	11/03/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/07/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN)), Brandon Kettenbeil (The Christman Company (LAN))	No
	Q:	Brandon Kettenbeil Sent Mon Nov 3, 2025 at 10:31 am EST There does not appear to be a post indicator valve required for the new 6" water main prior to entering the building. Can it be assumed a post indicator valve is not required?																
		Romica Singh (Kingscott) Responded Tue Nov 4, 2025 at 11:05 am EST A post indicator valve is not required.																
45	Water Main Tie-In Clarification	Closed		None	11/03/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/07/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
	Q:	Brandon Kettenbeil Sent Mon Nov 3, 2025 at 10:28 am EST It appears the new 6" water main tie - in to the existing 10" water main is to be accomplished by live tap method. Is this correct?																
		Romica Singh (Kingscott) Responded Tue Nov 4, 2025 at 11:05 am EST The plans indicate a live tap with the use of a 6"x10" stainless-steel tapping sleeve. Does the contractor foresee an issue that prompted this question?																
44	Scope Requirements for Topsoil - WC 02 and WC 08	Closed		None	11/03/2025	Brandon Kettenbeil	Kettenbeil, Brand...		11/07/2025	11/03/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No

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#	Subject	Status	Responsible Contractor	Received From	Date Initiated	RFI Manager	Assignee	Ball In Court	Due Date	Closed Date	Location	Schedule Impact	Cost Impact	Sub Code	RFI Job Stage	Distribution List	Private
43	Crane Pad Installation by Earthwork Contractor	Closed	None	11/03/2025	Brandon Kettenbeil	Kettenbeil, Brandon...			11/07/2025	11/03/25						Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
42	Cutting, Patching and Repair of Existing Curb/Asphalt	Closed	None	11/03/2025	Brandon Kettenbeil	Kettenbeil, Brandon...			11/07/2025	11/03/25						Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
41	Union/non-union	Closed	None	11/03/2025	Austin Brown	Brown, Austin (Th...			11/07/2025	11/03/25						Bidding	No
40	Substitution Request - DuroTuff-Membrane 60 mil	Closed	None	10/30/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski,			11/03/2025	11/04/25						Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No

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#	Subject	Status	Responsible Contractor	Received From	Date Initiated	RFI Manager	Assignee	Ball In Court	Due Date	Closed Date	Location	Schedule Impact	Cost Impact	Cost Code	Sub Job	RFI Stage	Distribution List	Private
							Sami ...											
							Brandon Kettenbeil Sent Thu Oct 30, 2025 at 03:35 pm EDT The Lewton Elementary Schools is spec'd with fully adhered White epdm. Could we get 60 mil Duro Tuff - adhered approved for this project? The Duro Last system will be a savings over white EPDM. DT60_Membrane_PDS.pdf											
							Romica Singh (Kingscott) Responded Mon Nov 3, 2025 at 03:57 pm EST Not approved per district.											
39	Site Concrete - Detail PG and PF on C5.2	Closed		None	10/30/2025	Brandon Kettenbeil	Szeszulski, Sami ... Singh, Romica (Ki...		11/03/2025	10/30/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
							Brandon Kettenbeil Sent Thu Oct 30, 2025 at 11:09 am EDT Are there any maintenance strips beneath the fence at the Pre-K playground? These do not appear to be noted on the drawings.											
							Romica Singh (Kingscott) Responded Thu Oct 30, 2025 at 01:04 pm EDT The strip is shown graphically but it is missing a callout. We need to have this included.											
38	Site Concrete - Detail Discrepancy	Closed		None	10/30/2025	Brandon Kettenbeil	Szeszulski, Sami ... Singh, Romica (Ki...		11/03/2025	11/03/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
							Brandon Kettenbeil Sent Thu Oct 30, 2025 at 11:06 am EDT Detail PG and PF from C5.2 are called out on C5.1 after review of C5.2 these details were not found and appear to be shown on C5.3. Please confirm these callouts are for C5.3 in lieu of C5.2											
							Romica Singh (Kingscott) Responded Thu Oct 30, 2025 at 07:34 pm EDT I believe the RFI is referring to the callout for the fence and gate around the pre-k playground area. This is privacy fence and gate, and the callout should read PG/PF, C5.3.											
37	Site Concrete - Transformer/Generator Pads	Open		None	10/30/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	11/03/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
							Brandon Kettenbeil Sent Thu Oct 30, 2025 at 10:56 am EDT There does not appear to be any detail shown for both the transformer and generator. How should this concrete be figured?											
36	Concrete Maintenance Strip - Basketball Court	Closed		None	10/30/2025	Brandon Kettenbeil	Kettenbeil, Brand...		11/03/2025	10/30/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
							Brandon Kettenbeil Sent Thu Oct 30, 2025 at 10:50 am EDT The asphalt for the basketball court will be installed prior to the concrete maintenance strip being installed. Who is responsible for cutting of the asphalt prior to the maintenance strip being poured? Refer to Detail MS on C5.2 this detail is called out on C5.1.											
							Brandon Kettenbeil (The Christman Company (LAN)) Responded Thu Oct 30, 2025 at 10:50 am EDT Saw cutting of the asphalt basketball court prior to maintenance strip installation will be the responsibility of the site concrete contractor (WC 05).											
35	Site Concrete - Bike	Closed		None	10/30/	Brandon	Singh,		11/	11/03/						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake	No

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#	Subject	Status	Responsible Contractor	Received From	Date Initiated	RFI Manager	Assignee	Ball In Court	Due Date	Closed Date	Location	Schedule Impact	Cost Impact	Sub Code	RFI Job	RFI Stage	Distribution List	Private
	Racks				2025	Kettenbeil	Romica (Ki... Szeszulski, Sami ...		03/2025	25							Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	
Q: Brandon Kettenbeil Sent Thu Oct 30, 2025 at 10:41 am EDT Detail BR on C5.3 shows both embedded and surface mounted (bolted) installations. Which is preferred? Can the contractor pick one over the other?																		
A: Romica Singh (Kingscott) Responded Mon Nov 3, 2025 at 08:02 am EST Embedded is preferred.																		
34	Underground Sanitary Piping	Closed		None	10/30/2025	Brandon Kettenbeil	Szeszulski, Sami ... Singh, Romica (Ki...		11/03/2025	10/30/25					Bidding		Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Thu Oct 30, 2025 at 10:25 am EDT Is Schedule 40 PVC an acceptable piping material for underground sanitary?																		
A: Romica Singh (Kingscott) Responded Thu Oct 30, 2025 at 10:51 am EDT Sch 40 PVC is acceptable within the building footprint only. Site PVC piping is to be only allowed where specifically indicated in utility notes for sanitary sewer and roof drains of certain diameters.																		
33	Slab on Grade - Admixtures	Closed		None	10/30/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/03/2025	11/03/25					Bidding		Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Thu Oct 30, 2025 at 10:22 am EDT Will the concrete slabs on grade have Vaporloc 20/20 in the mix?																		
A: Romica Singh (Kingscott) Responded Fri Oct 31, 2025 at 10:09 am EDT Refer to spec 033000 under 2.5 Admixtures (#6 covers moisture-vapor-reducing admixture such as Vapor Lock 20/20).																		
32	Temporary Heat	Closed		None	10/30/2025	Brandon Kettenbeil	Kettenbeil, Brand...		11/03/2025	10/30/25					Bidding		Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Thu Oct 30, 2025 at 10:02 am EDT Is temporary building heat the responsibility of WC 27 or the responsibility of The Christman Company?																		
A: Brandon Kettenbeil (The Christman Company (LAN)) Responded Thu Oct 30, 2025 at 10:03 am EDT Temporary building heat will be the responsibility/provided by The Christman Company once the structure is fully enclosed.																		
31	Building Sanitary - PVC	Closed		None	10/30/2025	Austin Brown	Singh, Romica (Ki... Szeszulski, Sami ... Brown, Austin (Th...		11/03/2025	10/30/25								No

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	Q:	Austin Brown Sent Thu Oct 30, 2025 at 08:38 am EDT Is Sch. 40 PVC acceptable for underground sanitary within the building footprint?																
		Is Sch. 40 PVC acceptable for underground sanitary outside the building footprint?																
		A: Austin Brown (The Christman Company (LAN)) Responded Thu Oct 30, 2025 at 08:40 am EDT Sch 40 PVC is acceptable within the building footprint only. Site PVC piping is to be only allowed where specifically indicated in utility notes for sanitary sewer and roof drains of certain diameters.																
30	WC05 - Site Concrete - Winter Conditions	Closed		None	10/29/2025	Austin Brown	Brown, Austin (Th...		11/02/2025	10/29/25								No
	Q:	Austin Brown Sent Wed Oct 29, 2025 at 03:44 pm EDT It is noted in WC05 in note 8 that this work category is to furnish winter conditions, including all costs. Is this scope of work going to be conducted in the winter, or what span of work at what time will be done?																
		Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 03:47 pm EDT Current construction schedule indicates Sidewalks & Maintenance Strips to be installed in January, 2027. Please provide at bid time costs which are included in the base bid proposal for winter conditions (include heat, and frost protection for a complete installation), and a voluntary alternate cost to exclude all winter conditions for project consideration.																
		A: Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 03:47 pm EDT Current construction schedule indicates Sidewalks & Maintenance Strips to be installed in January, 2027. Please provide at bid time costs which are included in the base bid proposal for winter conditions (include heat, and frost protection for a complete installation), and a voluntary alternate cost to exclude all winter conditions for project consideration.																
29	Footing Requirement for Dumpster Enclosure	Closed		None	10/29/2025	Austin Brown	Brown, Austin (Th...		11/02/2025	10/29/25								No
	Q:	Austin Brown Sent Wed Oct 29, 2025 at 03:38 pm EDT Work Category 10 note 6 notes; 6. Provide and install all exterior footings for service yard CMU walls. This WC to coordinate with WC 11.																
		Service yard appears to be a decorative fence, please clarify.																
		A: Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 03:43 pm EDT Service yard is to receive a privacy fence - furnished and installed by WC 07A, including footings at fence posts. There are no footing requirements for WC10 to furnish and install in this assembly, and note 6 will be removed in a future addendum.																
28	DAS Scope Requirement	Closed		None	10/29/2025	Austin Brown	Brown, Austin (Th...		11/02/2025	10/29/25								No
	Q:	Austin Brown Sent Wed Oct 29, 2025 at 03:35 pm EDT Is the DAS component in Section 27 5319.11 being carried by the EC for this project?																
		Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 03:36 pm EDT DAS components are under the Work Category 28, Electrical scope of work.																
		A: Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 03:36 pm EDT DAS components are under the Work Category 28, Electrical scope of work.																
27	Prevailing Wages	Closed		None	10/29/2025	Austin Brown	Brown, Austin (Th...		11/02/2025	10/29/25								No
	Q:	Austin Brown Sent Wed Oct 29, 2025 at 01:31 pm EDT Is there a requirement for Prevailing Wages on this project?																
		Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 01:32 pm EDT There is not a requirement for prevailing wages on this project. Additionally, there are no requirements for certified payroll.																
		A: Austin Brown (The Christman Company (LAN)) Responded Wed Oct 29, 2025 at 01:32 pm EDT There is not a requirement for prevailing wages on this project. Additionally, there are no requirements for certified payroll.																
26	AWP3 & 4 - Unika Vaev Ecooustic Foliar -	Open		None	10/29/2025	Austin Brown	Singh, Romica	Singh, Romica	11/02/									No

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	Discontinued						(Ki... Szeszulski, Sami ...	(Ki... Szeszulski, Sami ...										
	Q: Austin Brown Sent Wed Oct 29, 2025 at 11:24 am EDT AWP 3 and AWP 4 are Unika Vaev Ecooustic Foliar, this has been discontinued. Please provide an alternative. A: Austin Brown (The Christman Company (LAN)) Responded Fri Nov 7, 2025 at 06:51 am EST With the discontinuation of the AWP 3 and 4, bidders shall include the installation of these size panels, with hardware typically required only. The material cost only for these wall panels will be included in the WC 21 allowance, which has increased to fund the material only on the revised selection of wall panels.																	
25	Metal Lockers - Substitution Request	Closed		None	10/28/2025	Brandon Kettenbeil	Szeszulski, Sami ... Singh, Romica (Ki...		11/01/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
	Q: Brandon Kettenbeil Sent Tue Oct 28, 2025 at 04:10 pm EDT Please see the attached substitution request for LockersMFG. Please advise if LockerMFG is an acceptable substitution. Lewton School substitution request.pdf A: Romica Singh (Kingscott) Responded Mon Nov 3, 2025 at 12:17 pm EST Not approved, knockdown not acceptable.																	
24	Proposed EPDM Manufacturer - Versico Roofing Systems	Closed		None	10/28/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/01/2025	10/30/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
	Brandon Kettenbeil Sent Tue Oct 28, 2025 at 04:01 pm EDT I viewed the above project on the GRBX site and I wanted to reach out to see if I could get Versico Roofing Systems added to the Low Slope roofing specs as a manufacturer. I have a couple of contractors who are interested in this project. I am attaching a brochure showing the roofing systems that Versico offers. If you are interested, I can also send a submittal packet so you can view some of our products. Should you have any questions or need additional information, please don't hesitate to contact any of the following representatives: Q: • Bill Rivet - (989) 415-3920 • Marc Treat - (616) 502-0230 • Marc Russell - (989) 225-0188 You can also learn more about our roofing systems by visiting Versico.com. Thank you for your time and consideration. I look forward to hearing from you. Versico All Systems Brochure.pdf A: Romica Singh (Kingscott) Responded Tue Oct 28, 2025 at 04:14 pm EDT Versico is approved.																	
23	Acoustical Glass Alternate	Closed		None	10/28/2025	Brandon Kettenbeil	Singh, Romica (Ki...		11/01/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No

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							Szeszulski, Sami ...											
							Brandon Kettenbeil Sent Tue Oct 28, 2025 at 03:50 pm EDT Alternate # 2 for Acoustic Glass at some windows is called in the specification to be 2-5/8" thick glass with an STC-45 rating. The Aluminum Storefronts specified can only hold 1-1/8" thick glass maximum.											
							Q: Please specify a glass make-up and STC rating that will fit in the called for Aluminum System, or specify a new Aluminum system to be bid on this alternate. Also, so far 2" thick glass unit is the largest my suppliers can make, FYI.											
							A: Romica Singh (Kingscott) Responded Mon Nov 3, 2025 at 12:13 pm EST Acoustic glass to be updated in upcoming addendum to 1-17/32" thick glass with a double laminate with an STC-40 rating in a 6" frame.											
22	Substitute Controls Contractor - Johnson Controls	Closed		None	10/28/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		11/01/2025	11/06/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
							Brandon Kettenbeil Sent Tue Oct 28, 2025 at 03:33 pm EDT Per Spec section 230925-3 Johnson controls is a approved controls system installer. Andy Egan is a authorized Johnson Controls Building Controls Specialist. Which mean we have full support from Johnson controls to install and service Johnson controls products and get the same field support as JCI gets from internal field support team. Because of our partnership with Johnson Controls we are just an extension of Johnson controls. Because of this partner ship can we provide a control price under the Johnson Control approved system installers? RFI001 Approved control installers.pdf											
							A: Romica Singh (Kingscott) Responded Wed Nov 5, 2025 at 05:38 pm EST Andy Egan would not be accepted as an equal to Johnson Controls. We would request this to be approved by the owner/District first, and then Andy Egan to provide proof of at least 10 years of experience providing and installing projects of similar size and scope with Johnson Controls products for approval. Bid as a voluntary alternate.											
21	Protect-All Flooring - (Z-Strip)	Closed		None	10/27/2025	Brandon Kettenbeil	Brown, Austin (Th...		10/31/2025	10/27/25						Bidding		No
							Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:45 pm EDT What is meant by provide and install Z-strip where shown in transitions from protect all flooring wall base to wall protection, line 1 on specific notes and details?											
							A: Brandon Kettenbeil (The Christman Company (LAN)) Responded Mon Oct 27, 2025 at 03:46 pm EDT I'll add this detail to our sort-set if not already in there- the protect-all-flooring will be the requirement of the flooring contractor, including wall base, up to FRP protection, including caulking at the wall base.											
20	Spray on Fireproofing	Closed		None	10/27/2025	Brandon Kettenbeil	Brown, Austin (Th...		10/31/2025	10/27/25						Bidding		No
							Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:44 pm EDT Who is responsible for spray on fireproofing if any?											
							A: Brandon Kettenbeil (The Christman Company (LAN)) Responded Mon Oct 27, 2025 at 03:44 pm EDT WC21 is responsible to infill and spray the transition of drywall to decking where necessary, this is included in the project manual WC 21 notes.											

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19	Post-Tensioning Concrete	Closed		None	10/27/2025	Brandon Kettenbeil	Brown, Austin (Th...		10/31/2025	10/27/25						Bidding		No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:42 pm EDT Is there post-tensioning concrete on this project?																		
A: Brandon Kettenbeil (The Christman Company (LAN)) Responded Mon Oct 27, 2025 at 03:43 pm EDT I believe you are likely meaning post-tensioning for concrete pours? If so, no I don't recall finding that in any of the structural notes.																		
18	Window Film Types	Closed		None	10/27/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		10/31/2025	10/28/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:30 pm EDT Section 088700-Window Films covers security type films. Where are these films used? We don't find this film called for on the drawings?																		
A: Romica Singh (Kingscott) Responded Mon Oct 27, 2025 at 07:16 pm EDT Refer to Architectural General Notes on the Floor Plans.																		
17	Approved Controls Installer - SC Technologies	Open		None	10/27/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	10/31/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:19 pm EDT Please Add SC Technologies as an approved Installer for Controls 23 0925 1.7 APPROVED CONTROL SYSTEMS INSTALLERS																		
Q: SCT Currently provides HVAC controls to the majority of the districts buildings. - Brian Lapham (SCT)																		
16	Basis of Design - Privacy Fence	Open		None	10/27/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...	Singh, Romica (Ki... Szeszulski, Sami ...	10/31/2025							Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:17 pm EDT On Sheet C5.3 there is a detail of a privacy fence but there is no manufacturer listed nor any mention of this fence in the specs., please clarify. Scan_1414.pdf																		
15	Vehicle Access Gate	Closed		None	10/27/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		10/31/2025	11/04/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:16 pm EDT Please see the attached. On Sheet C5.1 there is a note that "14' Vehicle Access Gate", but there isn't an arrow pointing to anything, nor a description, please clarify.																		

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Pages from Scan_1414.pdf																		
A: Romica Singh (Kingscott) Responded Tue Nov 4, 2025 at 11:04 am EST This note references the adjacent callout for the privacy gate detail PG which is on C5.3																		
14	FRP Door Clarification	Closed		None	10/27/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		10/31/2025	10/28/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:05 pm EDT There are several exterior doors type "F" and "N8" that are called to be Aluminum on the Door Schedule, should all exterior doors be FRP faced Doors. Please advise.																		
A: Romica Singh (Kingscott) Responded Mon Oct 27, 2025 at 07:16 pm EDT Only main entrance doors are FRP. Secondary exterior doors are aluminum doors.																		
13	Door Type Clarification	Closed		None	10/27/2025	Brandon Kettenbeil	Singh, Romica (Ki... Szeszulski, Sami ...		10/31/2025	10/28/25						Bidding	Andrew Dobbs (The Christman Company (LAN)), Blake Burkhardt (The Christman Company (LAN)), Austin Brown (The Christman Company (LAN))	No
Q: Brandon Kettenbeil Sent Mon Oct 27, 2025 at 03:00 pm EDT Section 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS calls for Aluminum Wide-Stile Doors but all type-FG2 Doors are called to be FRP on the Door Schedule. Please clarify if these door types are to be aluminum or FRP faced?																		
A: Romica Singh (Kingscott) Responded Mon Oct 27, 2025 at 07:15 pm EDT all FG2 doors are FRP. FRP door is specified in the same spec.																		
12	Stabilized Construction Accesses	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:28 pm EDT Will the demolition contractor be responsible for providing stabilized construction entrances?																		
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:29 pm EDT Yes, as indicated on the SESC drawings, all measures including provision of stabilized construction accesses in 3 locations shall be provided by, and maintained by the demolition work category during the course of demolition until future earthwork contractor has begun work on site.																		
11	Clearing and Grubbing Responsibility	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
Q: Austin Brown Sent Tue Jun 10, 2025 at 04:25 pm EDT Are demolition contractors required to clear and grub the entire site, or will this be handled in another bid package by a site worker?																		
A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:28 pm EDT Similar to stripping and stockpiling all topsoil, the only requirement for clearing and grubbing is for all significantly disturbed areas. Note that all tree and stump removal is to be performed by the demolition contractor. All other areas which are not disturbed may remain until future earthwork contractor can strip the site of all topsoil.																		
10	Universal Waste Report	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No

The Christman Company

#	Subject	Status	Responsible Contractor	Received From	Date Initiated	RFI Manager	Assignee	Ball In Court	Due Date	Closed Date	Location	Schedule Impact	Cost Impact	Cost Code	Sub Job	RFI Stage	Distribution List	Private
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:21 pm EDT Is there a universal / hazardous waste report to accompany the asbestos report?																
		Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:23 pm EDT There is no universal waste report available for this project. The drawings, specifications, BDN's Hazardous Material Report, and project manual shall be the only sources for identifying all hazardous materials to be removed for bidding purposes.																
9	BDN and Christman bid form	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:18 pm EDT Are bidders required to submit both Christman and BDN bid forms?																
		Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:19 pm EDT The only required bid form to be filled and submitted is the Christman bid form.																
8	Demolition Permit Responsibility	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:17 pm EDT Who is responsible for issuing the demolition permit?																
		Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:18 pm EDT The demolition contractor shall submit for, and pay all associated costs with the permitting requirements for abatement and demolition, with the exception for the SESC permit only.																
7	Clarification on WC01 Fencing	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:13 pm EDT Work Category 01 states that the fencing in Work Category 07 is by others. Can you please verify that demolition contractors do not have to include any temporary fencing?																
		Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:15 pm EDT It shall be assumed that there is absolutely no fencing required to be provided by the Demolition contractor, and the fencing is entirely under the Work Category 07 responsibility, with the specific exception of any guardrails or temporary measures necessary for safe work to take place during the abatement & demolition progress.																
6	Topsoil Removal	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:09 pm EDT Will topsoil only be required to be stripped the width of a dozer bucket around disturbed areas and stockpiled for later use? Or will demolition contractors be required to strip and stockpile topsoil within the entire work boundaries? It is our opinion that stripping and stockpiling topsoil outside of disturbed areas should be handled by the site contractor along with providing new topsoil at unknown extents for build back purposes to eliminate unnecessary overlap in costs.																
		Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:12 pm EDT Demolition contractor shall strip topsoil in areas where the site has been significantly disturbed (footing excavations, equipment removal, etc.), and stockpiled for future use. All areas where no work has taken place may remain for future removal by earthwork contractor.																
5	SESC Maintenance	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No

The Christman Company

#	Subject	Status	Responsible Contractor	Received From	Date Initiated	RFI Manager	Assignee	Ball In Court	Due Date	Closed Date	Location	Schedule Impact	Cost Impact	Cost Code	Sub Job	RFI Stage	Distribution List	Private
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:06 pm EDT Who is responsible for maintaining SESC measures after WC 01 is complete and demobilized from the site in December 2025? Specs state that maintenance of SESC measures is to extend until March 2026.																
		A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:08 pm EDT SESC measures are to be maintained by the demolition contractor from the start of the project in August/September until the future earthwork contractor is on site, assumed time at this moment is in March 2026.																
4	Contract insurance requirements	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 04:05 pm EDT Are the insurance requirements provided in the sample subcontract accurate for this project?																
		A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 04:06 pm EDT Yes, contracts issued for this project will have the same insurance requirements as found in the sample contract in the project manual.																
3	Backfill Compaction Testing	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 03:57 pm EDT Who is responsible for backfill compaction testing?																
		A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 03:58 pm EDT The owner will supply a 3rd party testing agency to verify compaction & fill material.																
2	3rd Party Asbestos Testing	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 03:50 pm EDT Will the owner handle 3 rd party clearance testing after asbestos abatement?																
		A: Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 03:56 pm EDT Yes, the owner will handle 3rd party clearance testing, this is to be provided by BDN.																
1	Slide Gates Sizing Requirements	Closed		None	06/10/2025	Austin Brown	Brown, Austin (Th...		06/14/2025	06/10/25								No
	Q:	Austin Brown Sent Tue Jun 10, 2025 at 02:57 pm EDT Good afternoon, I was measuring out your gates for the project and I found that there are 2- 40' slide gates and 1- 30' slide gates. Is this correct?																
		Also do you need any walk gates for this project?																
	A:	Austin Brown (The Christman Company (LAN)) Responded Tue Jun 10, 2025 at 03:49 pm EDT Work Category 07 Fencing shall assume 3 separate gates sized at 30' in length per project manual, WC07 Specific Notes and Details-Item 1.																

**Lewton Elementary School
221125-100**

Work Category	Allowance
WC 02 – Earthwork	\$ 100,000
WC 05 – Site Concrete	\$ 5,000
WC 06 – Asphalt Paving	\$ 5,000
WC 07A – Fencing	\$ 0
WC 08 – Landscaping	\$ 0
WC 10 – Structural Concrete	\$ 50,000
WC 11 – Masonry	\$ 20,000
WC 12 – Structural Steel	\$ 10,000
WC 14 – Roofing	\$ 15,000
WC 15 – Metal Siding	\$ 0
WC 18 – Glass, Glazing, and Aluminum Entrances	\$ 0
WC 20 – General Trades	\$ 50,000
WC 21 – Walls and Ceilings	\$ 55,000
WC 22 – Hard Tile	\$ 5,000
WC 23 – Carpet and Resilient Flooring	\$ 5,000
WC 24 – Painting and Wallcovering	\$ 15,000
WC 25 – Playground Equipment	\$ 0
WC 26 – Fire Protection	\$ 0
WC 27 – Mechanical and Plumbing Systems	\$ 25,000
WC 28 – Electrical Systems	\$ 20,000
WC 29 – Food Service Equipment	\$ 0

SECTION 116813 PLAYGROUND AND PARK EQUIPMENT

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

Provide playground equipment as shown on the drawings and as specified. Work shall include age appropriate equipment, age appropriate signage, protective safety surfacing, geotextile fabric, wear pads, edging, sub-drainage under the equipment, installation, future inspection, future maintenance and guaranties.

1.02 STANDARDS

All play equipment shall be specified to meet or exceed the 1997 Consumer Product Safety Commission (CPSC) Guidelines, the American Society for Testing and Materials (ASTM F1487-01) Standards, the Americans with Disabilities Act (ADA), Uniform Federal Accessibility Standards (UFAS) and Michigan's Barrier Free Design Law.

If a conflict occurs between any two or more of the above listed standards, guidelines and/or data, the stricter shall take precedence.

If any part of the proposed playground is not supported by the standards, guidelines and or test data listed above, the manufacturer shall provide all of the following to the Owner and to the Owner's Representative(s):

1. Test data to support the proposed product(s) compliance and safety with the standards and guidelines listed above.
2. A signed waiver holding the Owner and Owner's Representative(s) harmless.

1.02 SUBMITTALS

- A. Shop Drawings - Detailed construction drawings shall be furnished for each play structure and for the age appropriate signage. Drawings shall include technical data necessary for correct assembly.
- B. Detailed Specifications - Manufacturer Specifications for decks, uprights, clamps, barrier/railing tubing, hardware, footings, safety surfacing, surface retainer, wear pads and powder coated finish must be submitted with bid.

1.03 DELIVER AND STORAGE

Equipment delivered and stored at the site shall be immediately piled in stacks to insure drainage and free circulation. No two pieces in contact; lay on skids, placed to give slope of not less than 1/2" per foot to the stack and minimum clearance of 6" above grade. Cover stacks with suitable roof covering tarpaulins. Contractor responsible for inventory of manufactured play equipment delivered to the site and checking material for cracks, warping, scratches or other defects and arranging with the manufacturer for replacements, if necessary. The Landscape Architect has the right to reject any material which is defective or in generally poor condition. Contractor responsible for proper and secure storage. Owner shall not be held responsible for theft vandalism or damage to equipment regardless of storage location, manufacturer assumes all responsibility.

1.05 MEASUREMENTS

Verify all measurements required for the proper execution and fit of work. Includes manufacturer's equipment relative to CPSC safety zones, heights, decks, platforms, rails, spacing, gaps, protrusions, entrapments, access ramps, vertical or horizontal obstructions and all potential hazards. All dimensions

shall be checked and verified with field conditions. Any discrepancies and/or conflicts including choice between different installations involving changes shall be reported to the Landscape Architect for correction and adjustment before materials are fabricated.

1.06 WORKMANSHIP

All fabrication and installation work required under this section of the Specifications shall be executed in accordance with the best standard of practice for each type of work. Only new materials shall be used. All construction shall be of the best quality to ensure durability. All edges, surfaces, connections and exposed fittings shall be finished to avoid sharp edges and similar hazards.

1.07 JOB CONDITIONS

A. Site Information

The Contractor shall make an onsite investigation prior to the bid opening. Data on surface or subsurface conditions is not intended as representation or warranties of accuracy or continuity of actual site conditions. It is expressly understood that the Owner and project consultants employed as representatives of the work will not be responsible for interpretations or conclusions drawn there from by the Contractor. Data made available by the Landscape Architect or Owner for the Contractor to utilize and verify independently.

B. Existing Utilities

Locate existing underground utilities in the work area. At least 48 hours prior to excavation - call Miss Dig. If utilities are to remain in place, provide adequate means of protection during earthwork operations. Should uncharted, or incorrectly charted, piping or other utilities be encountered during excavation, consult the utility owner immediately for direction. Cooperate with the Owner and utility companies in keeping respective services and facilities in operation. Repair damaged utilities to the satisfaction of the utility owner. Do not interrupt existing utilities serving facilities occupied and used by the Owner or others, except when permitted in writing by the Architect or utility company, and then only after acceptable temporary utility services have been provided.

C. Protection of Persons and Property

Barricade open excavations occurring as part of this work. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washouts and other hazards created by this work.

1.08 DESIGN REQUIREMENTS

A. All proposed equipment must meet the requirements as listed below.

1. All play areas are to be designed according to the Plans and where it is necessary substitutions may be made. All designs and substitutions will be evaluated against the intent of the original design and approved by owner.
2. For Platforms that are adjacent to each other with different elevations, they are to have a differentiation in color.
3. All uprights are to be aluminum unless otherwise noted on the drawings or bid forms.
4. All slides shall have hoods or means to channel user into a sitting position.
5. Bridge railings/barriers shall curve, following the line of the bridge surface unless otherwise approved.
6. Tops of post caps shall be rounded.
7. All decks are to be a single piece of sheet steel, which is PVC coated and slip resistant unless otherwise approved.
8. Decks shall have barriers at event entrances with a maximum 15" opening.

9. All Slides are to have a connecting platform 16” above adjacent platforms, for slides that have ramp access.
10. Wear pads are to be placed under engineered wood fiber surfacing in the following situations: 3’x3’ wear pads are to be placed at the end of all slides, 6” below the engineered wood fiber, and beneath all single rail swings except tot. 4’x6’ wear pads are to be placed under tire swings and 2-4’x6’ wear pads are to be placed around whirls.
11. Age appropriate signage is to be located in an area as designated by the Architect. The sign should include the age group of the intended user and a note about supervision.

PART 2 – PRODUCTS

2.01 MAXIMUM EQUIPMENT HEIGHTS

Equipment heights are not to exceed those, which have been tested by CPSC and ASTM to be above the Critical Fall Height for safety surfacing (head impact attenuation). If the equipment exceeds the critical fall height, the manufacturer will provide test data to support the proposed safety surfacing material’s product safety and compliance with the standards and guidelines. A waiver shall be written and signed by the manufacturer to the Owner and the Owner’s Representative(s) holding them harmless from any future litigation.

PART 3 - EXECUTION

3.01 PRE-CONSTRUCTION

Prior to any excavation, installation or any other related work on site, the manufacturers sales representative, installation contractor and all sub-contractors will meet at the Owner and the Owner’s Representative(s) request on site for a pre-construction meeting.

3.02 ASSEMBLY

To avoid transport damage, all playground and park equipment shall be unpacked from shipping containers and assembled on each playground site. Exceptions must be approved in writing by Owner or Landscape Architect.

3.03 FOOTINGS

Bottom depth of concrete footings shall be installed at a minimum depth of 3’6" (42”) below the finish grade.

3.04 CONSTRUCTION INSPECTION

During the course of construction, the contractor, manufacturer, supplier and manufacturer’s designer shall supervise the installation. The Architect is to be notified 48 hours in advance for footing inspections and once the installation is complete, the manufacturer shall certify in writing to the Owner that the installation has been completed in strict accordance with the manufacturers specifications and requirements.

The Owner and Owner’s Representative(s) shall at all times have access to the work wherever work is in progress or preparation, and the Contractor shall provide proper facilities for such access and inspection.

If any work or material was not observed during construction and covered without approval or consent of the Owner or Owner’s Representative, it must, if required by the Owner or Owner’s Representative(s), be uncovered for examination at the Contractor’s expense.

No inspection shall relieve the Contractor from any obligation to furnish materials and equipment and to perform the work strictly in accordance with the Contract Documents. Any Material or workmanship or equipment which may be discovered to be defective, prior to the final acceptance of the work, shall be removed and made good by the Contractor regardless of previous inspection.

The Contractor shall promptly remove from the site all materials condemned by the Owner or Owner's Representative(s) as failing to conform to the Contract.

The manufacturer/ supplier shall conduct a site inspection of the installation one year and two years following the completion of the work. A written inspection report shall be provided to the Owner regarding the condition of the installation and any special problems, which need to be addressed. Contractor must correct any latent defects.

3.05 WARRANTY

- A. All aluminum posts, clamps, hardware and caps shall have a minimum 50-year warranty against structural failure due to corrosion, deterioration or workmanship.
- B. All decks shall have a minimum 15-year warranty against failure due to corrosion, deterioration, or workmanship.
- C. All rotationally molded parts, steel components, polyethylene timbers, rubber or plastic coated components shall have a minimum 10-year warranty against failure due to corrosion, deterioration or workmanship.
- D. All other parts shall be warranted for a period of one year.
- E. The manufacturer must carry at least 2 million dollars in product liability insurance.

3.06 MAINTENANCE

The manufacturer/supplier shall provide a written maintenance plan to the Owner, which describes in detail any and all maintenance requirements, inspections, etc. which will need to be accomplished during the life of the equipment (for the purpose of this project the term "life" shall be defined as for a period of seven years from the date of substantial completion).

Following the installation, the manufacturer/supplier shall provide a maintenance kit. The kit is to include touch up paint in colors, which match the structure and are compatible with the powder coating, a chemical cleanser of adequate strength to remove paint, ink and other common forms of graffiti from most material surfaces on the structure. The manufacturer shall provide wrenches or other tools needed to adjust or replace special vandal-resistant fasteners - not commonly found in local stores.

The manufacturer/supplier shall provide As Builts for the Project.

3.07 DISPOSAL OF EXCESS AND WASTE MATERIALS

Remove excess excavated material, pea stone, trash, debris and waste materials and legally dispose of off the property, except as otherwise specifically noted. Excess topsoil is to be stockpiled on site in a location specified by the Owner.



Lewton School - Freestanding Play Events

Freestanding play equipment and accessories as manufactured by GameTime, a PlayCore Company, P.O. Box 680121, Fort Payne, Alabama 35968-0121, Phone: 1-800-235-2440, www.GameTime.com, shall adhere to the following specifications:

- A. Molded Polyethylene – Products are to be rotationally molded plastic with a ¼" nominal wall thickness. All plastic is to be U.V. stabilized with optional graphics molded into the component during the molding process. Molded products shall have an anti-static additive and be available in any of the manufacturer's standard colors.
- B. High Density Polyethylene shall be made from either ½" or ¾" thick (depending on application used) high density, UV-stabilized and color impregnated polyethylene.
- C. Cables - shall be 18mm polyester twisted type with the following properties: calculated tensile strength of >60kN, quantity 6 strands 2.8mm diameter each, steel strands shall have QTY 19 steel wires diameter .62mm each, quantity 3 fiber core 2.7mm diameter each, UV protected polyester impregnated. Terminations shall be made of the following materials: Aluminum forks, stainless steel D-shackles, stainless steel lifting eye nuts. Connections shall be made of the following: Aluminum connector eggs, aluminum 2-piece T-joints, aluminum T-joints, aluminum in-line connector, aluminum ferrules.
- D. Hardware – All nuts, bolts, screws, inserts, and lock washers 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 topcoat 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. PowerScape Plus stainless-steel fasteners shall be button pin-in head, socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

FINISHES

- A. Polyester (Powder) Coating – The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Architect from the manufacturer's standard and/or custom color selection charts. The paint process must adhere to the Powder Coat Institute 4000 Certification.
- B. Galvanized Finish – All components shall have a galvanized finish prior to powder coating and shall be protectively coated with ZRP, a zinc primer that forms a rust-resistant barrier layer. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

Individual Product Specifications

Balancing:

6232 – Pod

- 2.375" O.D. x .095" and 1.9" O.D. x .095" galvanized steel tubing
- .109" hot rolled steel
- Linear low-density polyethylene
- UV-stabilized color
- Anti-static compound additive
- All-weld assembly
- Coated after fabrication with a powder coat finish

Early Childhood:

39040I – ECHO Preschool

- 2 3/8" O.D. x .095"
- 1-5/16" O.D. x .083"
- 1-1/16" O.D. x .072"
- 1-5/16" O.D. x .133"
- 1-5/8" O.D. x .109"
- 1-5/8" O.D. x .083"
- and 1-5/8" O.D. x .140" wall galvanized steel tubing
- 11 gauge
- 14 gauge
- 12 gauge
- 3/16"
- 16 gauge
- 1/8"
- and 1/4" hot rolled steel
- 1/2" and 3/4" thick high density
- UV-stabilized and color-impregnated polyethylene
- 1/8" and 1/4" thick clear polycarbonate
- Linear
- low-density polyethylene
- UV-stabilized color
- Anti-static compound additive
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

6299 – Inclusive Seesaw

- 11-13/16" x 7-7/8" x 1/4"
- 6-5/8" O.D. x 3/16"
- and 1-5/16" O.D. x .083" wall galvanized steel tubing
- .120"
- 9/16"
- 3/8"
- 3/16"
- and 1/4"-thick hot rolled steel

- 1/2" and 3/4"-thick high density
- UV-stabilized and color-impregnated polyethylene
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Motion:

91778 – 35' SkyRun Zip Track with Zip Seat

- 5" O.D. x .120" and 2 3/8" O.D. x .134" galvanized steel tubing
- 5"-diameter steel
- 6005 T5 extruded aluminum alloy
- 3/16" hot rolled steel
- Punched steel
- Linear low-density polyethylene
- 7/32"-diameter steel wire chain
- 1/8"-thick 3003-H14 aluminum alloy
- One-piece weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating and a matte PVC coating

Swings:

5287 – Belt Seat 8'

- Galvanized triangular hangers
- EPDM rubber
- #50 Stainless steel chain
- Coated in a custom formula of TGIC polyester powder

5317 – PrimeTime Swing Frame 3.5" x 8' AAB

- 3-1/2" O.D. x .120" wall galvanized steel tubing
- Malleable or ductile iron castings
- Molded nylon
- 1/2" I.D. bronze bushing
- Coated in a custom formula of TGIC polyester powder

5320 – PrimeTime ADA Swing Frame 3.5" x 8'

- 3-1/2" O.D. x .120" wall galvanized steel tubing
- Malleable or ductile iron castings
- Molded nylon
- 1/2" I.D. bronze bushing
- Coated in a custom formula of TGIC polyester powder

5321 – PrimeTime ADA Swing Frame 3.5" x 8' AAB

- 3-1/2" O.D. x .120" wall galvanized steel tubing
- Malleable or ductile iron castings
- Molded nylon
- 1/2" I.D. bronze bushing
- Coated in a custom formula of TGIC polyester powder

5378 – Zero-G (5-12) - Beige

- 1-1/2" diameter high-density polyethylene



- Linear
- low-density polyethylene
- #50 stainless steel chain
- Electrostatically applied custom formula of TGIC polyester powder

Tot's Nature:

39012 – Tot's Leaf

- 1-7/8" O.D. x .095 wall galvanized steel tubing
- color-impregnated
- linear
- low-density polyethylene
- 2" SCH 40 galvanized steel pipe
- 1/4" thick hot rolled steel plate
- Black butyl rubber with a durometer of 60
- All-weld assembly



Ionix Play Systems

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes composite structure, stand-alone play events and accessories.
- B. Basis of design is **Ionix®** modular play structures, free-standing play equipment and accessories as manufactured by GameTime, a PlayCore Company, P.O. Box 680121, Fort Payne, Alabama 35968-0121, Phone: 1-800-235-2440, www.GameTime.com.

1.02 SUBMITTALS

- A. Product Data: Include physical characteristics such as shape, dimensions, gauge and material for each component. Provide finish information and available colors.
- B. Shop Drawings: Include plans, elevations, details, and installation instructions for each component.
- C. Warranty: Include sample of manufacturer's standard warranty.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Equipment components shall be certified by IPEMA's third party product certification service. Equipment and structural components shall bear the IPEMA certification seal. IPEMA validation is available at www.ipema.org.
- B. Installer: Must be certified by the manufacturer.
- C. Safety Standards: Comply with requirements of ASTM F 1487.

1.04 WARRANTY

- A. Warranty shall meet or exceed the warranty provisions of GameTime as follows:

Lifetime limited warranty on PowerScape®, PrimeTime®, Modern City®, Xscape® & IONiX® uprights.

Lifetime limited warranty on Tru-Loc® connections and upright bolt-through connections.

Lifetime limited warranty on all hardware.

20 Year limited warranty on Timber Décor™ & Timbers recycled plastic lumber.

15 Year limited warranty on metal decks, pipes, rungs, rails, loops, braces, and footbucks.

15 Year limited warranty on rotationally molded products.



- 15-Year** limited warranty on VistaRope nylon bearings and ring junction pieces.
- 10 Year** limited warranty on GTFit, THRIVE and Challenge Course posts & bars.
- 10 Year** limited warranty on site furnishings against structural failure.
- 10-Year** limited warranty on SunBlox® products.
- 10 Year** limited warranty on integrated GTShade® products.
- 10 Year** limited warranty on fiberglass and DHPL signage.
- 10-Year** limited warranty on VistaRope WeaveTech cables.
- 5 Year** limited warranty on TuffForms® structures, including TuffCrete™ and PolyShield.
- 5 Year** limited warranty on nylon covered cable net climbers and components.
- 5 Year** limited warranty on GT Symphony Freenotes™ Harmony Park components.
- 5 Year** limited warranty on Super Seats™.
- 5-Year** limited warranty on premature wear of VistaRope cables.
- 3 Year** limited warranty on Everybody Plays polyurea coated foam & rubber strips.
- 3 Year** limited warranty on SaddleMates® rubber and “C” springs.
- 3-Year** limited warranty on SureGrip Material
- 2 Year** limited warranty on Challenge Course timing components.
- 1 Year** limited warranty on all other GameTime products.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Main Structural Uprights

1. *Shall be 3.5” outside diameter, 13 gauge (nominal .095”) galvanized round tubing, manufactured to ASTM A-500 Grade B tolerances from cold-formed steel conforming to ASTM A-1011 Sheet Spec for steel coil. Minimum yield strength shall be 45,000 psi and minimum tensile strength shall be 48,000 psi. The exterior surface is In line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion coated, and a clear high performance organic polymer is applied. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 91% minimum zinc dust content in organic resin, as per ASTM F-1043. All upright posts shall be coated with a custom formula TGIC.*



A PLAYCORE Company

- B. Component Attachment – Must be factory preset to the uprights to ensure full field compliance with current safety standards. Hinges, or any clamps, that require field locating or field drilling or installation are not acceptable, due to the susceptibility of installation out of compliance with safety standards.
- C. Plastisol Coated Steel – Products including platforms, steps, and bridges shall be fabricated from 12-gauge perforated steel with a .08" minimum thickness, textured slip-resistant polyvinyl chloride plastisol dipped coating. Platforms must attach directly to threaded inserts factory installed to uprights, using (2) 3/8" bolts at each upright connection point to eliminate the possibility of deck slipping. Plastisol coating shall be free of latex and tested to meet California standards for phthalate levels and safe for children. Available in manufacturers standard colors.
- D. Molded Polyethylene – Products are to be rotationally molded plastic with a 1/4" nominal wall thickness. All plastic is to be U.V. stabilized with optional graphics molded into the component during the molding process. Molded products shall have an anti-static additive and be available in any of the manufacturer's standard colors.
- E. High Density Polyethylene shall be made from either 1/2" or 3/4" thick (depending on application used) high density, UV-stabilized and color impregnated polyethylene.
- F. Metal Climbers and Enclosures – Products shall be fabricated from 1 5/16" OD x .083" (14 gauge) wall galvanized steel tubing with frames fabricated of 2 3/8" OD x .134 (10 gauge) wall galvanized steel tubing. All tubing used shall be an electrical resistance welded, cold rolled, high strength steel tubing. The exterior coating will consist of an in-line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion, and acrylic over-coating. The interior coating will consist of a special organic acrylic modified polyester. All climbers shall be coated with a custom formula TGIC.
- G. Cables - shall be 18mm polyester twisted type with the following properties: calculated tensile strength of >60kN, quantity 6 strands 2.8mm diameter each, steel strands shall have QTY 19 steel wires diameter .62mm each, quantity 3 fiber core 2.7mm diameter each, UV protected polyester impregnated. Terminations shall be made of the following materials: Aluminum forks, stainless steel D-shackles, stainless steel lifting eye nuts. Connections shall be made of the following: Aluminum connector eggs, aluminum 2-piece T-joints, aluminum T-joints, aluminum in-line connector, aluminum ferrules.
- H. Hardware – All nuts, bolts, screws, inserts, and lock washers 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 topcoat 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.

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2.02 REQUIRED COMPONENTS

- A. In addition to the requirements contained in this section, refer to layout drawings and schedules of components and accessories on drawings.
- B. All components, accessories, hardware, and other items required for a complete and usable system shall be provided.

2.03 FINISHES

- A. Polyester (Powder) Coating – The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Architect from the manufacturer's standard and/or custom color selection charts. The paint process must adhere to the Powder Coat Institute 4000 Certification.
- B. Galvanized Finish – All components shall have a galvanized finish prior to powder coating and shall be protectively coated with ZRP, a zinc primer that forms a rust-resistant barrier layer. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. General – Comply with manufacturer's written installation instructions.
- B. Uprights – Set posts in concrete footings. Protect finish during installation. Comply with locations, height, and plumb requirements.

3.02 FIELD QUALITY CONTROL

- A. Installation shall be performed by factory certified technicians with at least 3 years' experience installing playground equipment

3.03 COMPLETION

- A. Protect installed products until completion of project.
- B. Touch up, repair, or replace damaged products before substantial completion.
- C. Installer shall turn over all installation instructions, parts lists, maintenance instructions, tool kits, and spare materials to the owner upon completion.

Individual Product Specifications

Balancing:

32022 – Hex Pod

- 3.5" O.D. and .095" galvanized round tubing
- 3/16" hot rolled steel
- 3/4"-thick high density
- UV-stabilized
- laminated
- and color-impregnated polyethylene
- Color-impregnated
- linear
- low-density polyethylene
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating



Modern City Play Systems

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes composite structure, stand-alone play events and accessories.
- B. Basis of design is **Modern City®** modular play structures, free-standing play equipment and accessories as manufactured by GameTime, a PlayCore Company, P.O. Box 680121, Fort Payne, Alabama 35968-0121, Phone: 1-800-235-2440, www.GameTime.com.

1.02 SUBMITTALS

- A. Product Data: Include physical characteristics such as shape, dimensions, gauge and material for each component. Provide finish information and available colors.
- B. Shop Drawings: Include plans, elevations, details, and installation instructions for each component.
- C. Warranty: Include sample of manufacturer's standard warranty.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Equipment components shall be certified by IPEMA's third party product certification service. Equipment and structural components shall bear the IPEMA certification seal. IPEMA validation is available at www.ipema.org.
- B. Installer: Must be certified by the manufacturer.
- C. Safety Standards: Comply with requirements of ASTM F 1487.

1.04 WARRANTY

- A. Warranty shall meet or exceed the warranty provisions of GameTime as follows:

Lifetime limited warranty on PowerScape®, PrimeTime®, Modern City®, Xscape® & IONiX® uprights.

Lifetime limited warranty on Tru-Loc® connections and upright bolt-through connections.

Lifetime limited warranty on all hardware.

20 Year limited warranty on Timber Décor™ & Timbers recycled plastic lumber.

15 Year limited warranty on metal decks, pipes, rungs, rails, loops, braces, and footbucks.

15 Year limited warranty on rotationally molded products.



- 15-Year** limited warranty on VistaRope nylon bearings and ring junction pieces.
- 10 Year** limited warranty on GTFit, THRIVE and Challenge Course posts & bars.
- 10 Year** limited warranty on site furnishings against structural failure.
- 10-Year** limited warranty on SunBlox® products.
- 10 Year** limited warranty on integrated GTShade® products.
- 10 Year** limited warranty on fiberglass and DHPL signage.
- 10-Year** limited warranty on VistaRope WeaveTech cables.
- 5 Year** limited warranty on TuffForms® structures, including TuffCrete™ and PolyShield.
- 5 Year** limited warranty on nylon covered cable net climbers and components.
- 5 Year** limited warranty on GT Symphony Freenotes™ Harmony Park components.
- 5 Year** limited warranty on Super Seats™.
- 5-Year** limited warranty on premature wear of VistaRope cables.
- 3 Year** limited warranty on Everybody Plays polyurea coated foam & rubber strips.
- 3 Year** limited warranty on SaddleMates® rubber and “C” springs.
- 3-Year** limited warranty on SureGrip Material
- 2 Year** limited warranty on Challenge Course timing components.
- 1 Year** limited warranty on all other GameTime products.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Main Structural Uprights shall be fabricated from 5” x 5” x .120” (11 Gauge) wall 1/4” hot rolled steel plate. Upright insert assemblies shall be all weld assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein
- B. Component Attachments – Must be factory preset to the uprights to ensure full field compliance with current safety standards. Hinged, or any clamps, that require field locating or field drilling or installation are not acceptable, due to the susceptibility of installation out of compliance with safety standards.

- C. Plastisol Coated Steel – Products including decks, platforms, steps, and bridges shall be fabricated from 11-gauge perforated steel with a .08" minimum thickness, textured slip-resistant polyvinyl chloride plastisol dipped coating. Decks must attach directly to threaded inserts factory installed to uprights, using (2) 3/8" bolts at each upright connection point to eliminate the possibility of deck slipping. Plastisol coating must be free of latex and tested to meet California standards for phthalate levels and safe for children.
- D. Molded Polyethylene – Products are to be rotationally molded plastic with a ¼" nominal wall thickness. All plastic is to be U.V. stabilized with optional graphics molded into the component during the molding process. Molded products shall have an anti-static additive and be available in any of the manufacturer's standard colors.
- E. High Density Polyethylene shall be made from either ½" or ¾" thick (depending on application used) high density, UV-stabilized and color impregnated polyethylene.
- F. Metal Climbers and Enclosures – Products shall be fabricated from 1 5/16" OD x .083" (14 gauge) wall galvanized steel tubing with vertical members fabricated of 1 1/16" OD x .075 (15 gauge) wall galvanized steel tubing. All tubing used shall be an electrical resistance welded, cold rolled, high strength steel tubing. The exterior coating will consist of an In-line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion, and acrylic over-coating. The interior coating will consist of a special organic acrylic modified polyester.
- G. Cables - shall be 18mm polyester twisted type with the following properties: calculated tensile strength of >60kN, quantity 6 strands 2.8mm diameter each, steel strands shall have QTY 19 steel wires diameter .62mm each, quantity 3 fiber core 2.7mm diameter each, UV protected polyester impregnated. Terminations shall be made of the following materials: Aluminum forks, stainless steel D-shackles, stainless steel lifting eye nuts. Connections shall be made of the following: Aluminum connector eggs, aluminum 2-piece T-joints, aluminum T-joints, aluminum in-line connector, aluminum ferrules.
- H. Wire Mesh shall be fabricated from .306" Steel Wire. Wire Mesh Welded Panels shall be an all-weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.
- I. Chain assembly shall be 4/0 straight link coil stainless steel chain, cut to length.
- J. Hardware – All nuts, bolts, screws, inserts, and lock washers 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 topcoat 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. PowerScape Plus stainless-steel fasteners shall be button pin-in head, socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

2.02 REQUIRED COMPONENTS

- A. In addition to the requirements contained in this section, refer to layout drawings and schedules of components and accessories on drawings.
- B. All components, accessories, hardware, and other items required for a complete and usable system shall be provided.

2.03 FINISHES

- A. Polyester (Powder) Coating – The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Architect from the manufacturer's standard and/or custom color selection charts. The paint process must adhere to the Powder Coat Institute 4000 Certification.
- B. Galvanized Finish – All components shall have a galvanized finish prior to powder coating and shall be protectively coated with ZRP, a zinc primer that forms a rust-resistant barrier layer. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. General – Comply with manufacturer's written installation instructions.
- B. Uprights – Set posts in concrete footings. Protect finish during installation. Comply with locations, height, and plumb requirements.

3.02 FIELD QUALITY CONTROL

- A. Installation shall be performed by factory certified technicians with at least 3 years experience installing playground equipment

3.03 COMPLETION

- A. Protect installed products until completion of project.
- B. Touch up, repair, or replace damaged products before substantial completion.
- C. Installer shall turn over all installation instructions, parts lists, maintenance instructions, tool kits, and spare materials to the owner upon completion.



Powerscape Playground System

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes composite structure, stand-alone play events and accessories.
- B. Basis of design is **PowerScape®** modular play structures, free-standing play equipment and accessories as manufactured by GameTime, a PlayCore Company, P.O. Box 680121, Fort Payne, Alabama 35968-0121, Phone: 1-800-235-2440, www.GameTime.com.

1.02 SUBMITTALS

- A. Product Data: Include physical characteristics such as shape, dimensions, gauge and material for each component. Provide finish information and available colors.
- B. Shop Drawings: Include plans, elevations, details, and installation instructions for each component.
- C. Warranty: Include sample of manufacturer's standard warranty.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Equipment components shall be certified by IPEMA's third party product certification service. Equipment and structural components shall bear the IPEMA certification seal. IPEMA validation is available at www.ipema.org.
- B. Installer: Must be certified by the manufacturer.
- C. Safety Standards: Comply with requirements of ASTM F 1487.

1.04 WARRANTY

- A. Warranty shall meet or exceed the warranty provisions of GameTime as follows:

Lifetime limited warranty on PowerScape®, PrimeTime®, Modern City®, Xscape® & IONiX® uprights.

Lifetime limited warranty on Tru-Loc® connections and upright bolt-through connections.

Lifetime limited warranty on all hardware.

20 Year limited warranty on Timber Décor™ & Timbers recycled plastic lumber.

15 Year limited warranty on metal decks, pipes, rungs, rails, loops, braces, and footbucks.

15 Year limited warranty on rotationally molded products.

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- 15-Year** limited warranty on VistaRope nylon bearings and ring junction pieces.
- 10 Year** limited warranty on GTFit, THRIVE and Challenge Course posts & bars.
- 10 Year** limited warranty on site furnishings against structural failure.
- 10-Year** limited warranty on SunBlox® products.
- 10 Year** limited warranty on integrated GTShade® products.
- 10 Year** limited warranty on fiberglass and DHPL signage.
- 10-Year** limited warranty on VistaRope WeaveTech cables.
- 5 Year** limited warranty on TuffForms® structures, including TuffCrete™ and PolyShield.
- 5 Year** limited warranty on nylon covered cable net climbers and components.
- 5 Year** limited warranty on GT Symphony Freenotes™ Harmony Park components.
- 5 Year** limited warranty on Super Seats™.
- 5-Year** limited warranty on premature wear of VistaRope cables.
- 3 Year** limited warranty on Everybody Plays polyurea coated foam & rubber strips.
- 3 Year** limited warranty on SaddleMates® rubber and “C” springs.
- 3-Year** limited warranty on SureGrip Material
- 2 Year** limited warranty on Challenge Course timing components.
- 1 Year** limited warranty on all other GameTime products.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Main Structural Uprights

1. *Shall be 5” outside diameter tubing, 1/8” wall thickness, extruded from 6005A-T61 aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specification outlined herein.*

(AND/OR)

2. *Shall be 5” outside diameter, 11 gauge (nominal .120”) galvanized round tubing, manufactured to ASTM A-1011 Grade B tolerances from cold-formed steel conforming to ASTM A-569 Sheet Spec for steel coil. Minimum yield strength shall be 45,000 psi and*

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minimum tensile strength shall be 48,000 psi. The exterior surface is In line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion coated, and a clear high performance organic polymer is applied. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 91% minimum zinc dust content in organic resin, as per ASTM F-1043. All upright posts shall be coated with a custom formula TGIC.

- B. Tru Loc Connectors – Must attach directly to factory preset threaded insert in the uprights to ensure full field compliance with current safety standards. Hinged, or any clamps, that require field locating or field drilling or installation are not acceptable, due to the susceptibility of installation out of compliance with safety standards.
- C. Plastisol Coated Steel – Products including decks, platforms, steps, and bridges shall be fabricated from 11-gauge perforated steel with a .08" minimum thickness, textured slip-resistant polyvinyl chloride plastisol dipped coating. Square deck size must be at least 49" x 49" (2,401 square inches), and triangular decks must be equally 49" on all sides (1,040 square inches) and bolt through the uprights. Decks must attach directly to threaded inserts factory installed to uprights, using (2) 3/8" bolts at each upright connection point to eliminate the possibility of deck slipping. Plastisol coating must be free of latex and tested to meet California standards for phthalate levels and safe for children.
- D. Molded Polyethylene – Products are to be rotationally molded plastic with a 1/4" nominal wall thickness. All plastic is to be U.V. stabilized with optional graphics molded into the component during the molding process. Molded products shall have an anti-static additive and be available in any of the manufacturer's standard colors.
- E. High Density Polyethylene shall be made from either 1/2" or 3/4" thick (depending on application used) high density, UV-stabilized and color impregnated polyethylene.
- F. Metal Climbers and Enclosures – Products shall be fabricated from 1 5/16" OD x .083" (14 gauge) wall galvanized steel tubing with vertical members fabricated of 1 1/16" OD x .075 (15 gauge) wall galvanized steel tubing. All tubing used shall be an electrical resistance welded, cold rolled, high strength steel tubing. The exterior coating will consist of an In-line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion, and acrylic over-coating. The interior coating will consist of a special organic acrylic modified polyester.
- G. Cables - shall be 18mm polyester twisted type with the following properties: calculated tensile strength of >60kN, quantity 6 strands 2.8mm diameter each, steel strands shall have QTY 19 steel wires diameter .62mm each, quantity 3 fiber core 2.7mm diameter each, UV protected polyester impregnated. Terminations shall be made of the following materials: Aluminum forks, stainless steel D-shackles, stainless steel lifting eye nuts. Connections shall be made of the following: Aluminum connector eggs, aluminum 2-piece T-joints, aluminum T-joints, aluminum in-line connector, aluminum ferrules.
- H. Hardware – All nuts, bolts, screws, inserts, and lock washers 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

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an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate topcoat 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. PowerScape Plus stainless-steel fasteners shall be button pin-in head, socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

2.02 REQUIRED COMPONENTS

- A. In addition to the requirements contained in this section, refer to layout drawings and schedules of components and accessories on drawings.
- B. All components, accessories, hardware, and other items required for a complete and usable system shall be provided.

2.03 FINISHES

- A. Polyester (Powder) Coating – The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Architect from the manufacturer's standard and/or custom color selection charts. The paint process must adhere to the Powder Coat Institute 4000 Certification.
- B. Galvanized Finish – All components shall have a galvanized finish prior to powder coating and shall be protectively coated with ZRP, a zinc primer that forms a rust-resistant barrier layer. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. General – Comply with manufacturer's written installation instructions.
- B. Uprights – Set posts in concrete footings. Protect finish during installation. Comply with locations, height, and plumb requirements.

3.02 FIELD QUALITY CONTROL

- A. Installation shall be performed by factory certified technicians with at least 3 years experience installing playground equipment



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3.03 COMPLETION

- A. Protect installed products until completion of project.
- B. Touch up, repair, or replace damaged products before substantial completion.
- C. Installer shall turn over all installation instructions, parts lists, maintenance instructions, tool kits, and spare materials to the owner upon completion.

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Individual Product Specifications

Access Components:

90033 – Transfer Platform with Barrier

- 10 gauge (.135"-thick) and 3/8" x 3-1/2" hot rolled steel
- 2 3/8" O.D. x .095"
- 1-5/16" O.D. x .083"
- and 2" square x 3/16" wall galvanized steel tubing
- 11-gauge punched steel
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder

90336 – Climber Offset Archway w/ Barrier

- 1-5/16" O.D. x .083" and 1-1/16" O.D. x .075" wall galvanized steel tubing
- 3/16" hot rolled steel
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

90673 – Ramp (Guardrail)

- 1-5/16" O.D. x .083" and 1- 1/16" O.D. x .075" wall galvanized steel tubing
- 2" square x 3/16" wall tubing
- 3/8" x 3-1/2" hot rolled steel
- Matte PVC coating
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder

91146 – Entryway - Guardrail

- 1-5/16" O.D. x .083" wall galvanized steel tubing
- 3/16" hot rolled steel
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

91150 – Entryway - Timbers

- 1-5/16" O.D. x .083 and 1-1/16" O.D. x .075" wall galvanized steel tubing
- 3/16" hot rolled steel
- High-density polyethylene (HDPE) derived from post-consumer bottle waste (NOTE: Bottle waste is cleaned through a decontamination process to a purity level of over 99% HDPE then compounded into a rigid board stock material)
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Attachments:

4962 – Echo Chamber

- Injection molded from color-impregnated Polypropylene
- Polycarbonate
- color-impregnated ABS plastic
- or ABS plastic with a mirror finish applied

81691 – Steering Wheel

- 13-3/4" in diameter
- Withstand an impact of over 250 foot-pounds
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

81699 – Bongos

- color-impregnated linear low density polyethylene

90151 – Double Vine Climber

- 5" outside diameter
- 1-1/16" O.D. x .072"
- and 1-5/16" O.D. x .083" galvanized steel pipe
- color-impregnated rotationally molded linear low density polyethylene
- 3/16" hot rolled steel
- All-weld assembly
- Coated with a custom formula of TGIC polyester powder coating

91507 – Olympus Climber Offset

- 5" Outside Diameter x .120" and 1-5/16" O.D. x .083" galvanized round tubing
- 1/8" and 3/16"-thick hot rolled steel
- 3/4"-thick (solid) high-density
- UV-stabilized and color-impregnated polyethylene
- Cold-formed steel
- Hot dip galvanized
- Chromate conversion coated
- Clear high performance organic polymer
- 81% minimum zinc rich primer
- Stainless steel
- yellow dichromate plated steel
- blue-coat plated steel
- mechanically galvanized or powder coated/yellow dichromate plated steel
- 300 series stainless steel
- Electro deposited
- 99.9% pure zinc substrate applied from a specially formulated solution
- All weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Decks:

80000 – Square Deck - 49"

- 3/16" x 3-1/2"
- 1/4" x 3-1/2"
- and 1/8" x 2-1/2" hot rolled steel
- Minimum surface area of 2
- 381 square inches
- 49" center to center spacing on the upright posts
- 12" support grid underneath the entire deck surface
- One-piece welded assembly
- Coated after fabrication with an oven cured matte finish polyvinyl chloride (PVC) coating
- Directly bolted to the upright posts with eight 3/8" diameter button-pin-in-head

- hex socket cap screws

80001 – Punched Steel Deck

- 3/16" x 3-1/2"
- 1/4" x 3-1/2"
- and 1/8" x 2-1/2" hot rolled steel
- Minimum surface area of 1
- 039 square inches
- 49" center to center spacing on the upright posts
- 12" support grid underneath the entire deck surface
- One-piece welded assembly
- Coated after fabrication with an oven cured matte finish polyvinyl chloride (PVC) coating
- Directly bolted to the upright posts with six 3/8" diameter button-pin-in-head
- hex socket cap screws

90005 – Two Piece Hex Deck, Ada Ramp Access

- 1/8" x 3-1/2" and 1/8" x 2-1/2" hot rolled steel
- Minimum surface area of 3
- 117 square inches
- 49" center to center spacing on the upright posts
- 12" support grid underneath the entire deck surface
- One-piece welded assembly
- Coated after fabrication with an oven cured matte finish polyvinyl chloride (PVC) coating
- Directly bolted to the upright posts with twelve 3/8" diameter button-pin-in-head
- hex socket cap screws

Links:

90020 – Transfer System with Barrier

- 1-5/16" O.D. x .083" and 1-1/16" O.D. x .075"
- and 2" square x 3/16" wall galvanized steel tubing
- 11 gauge punched steel
- Matte PVC coating
- Protective P&O finish
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

91201 – Timbers Transfer System

- 1-5/16" O.D. x .083"
- 1-1/16" O.D. x 15 gauge
- and 2" square x 3/16" wall galvanized steel tubing
- 11 gauge punched steel
- Matte PVC coating
- High-density polyethylene (HDPE) derived from post-consumer bottle waste (NOTE: Bottle waste is cleaned through a decontamination process to a purity level of over 99% HDPE then compounded into a rigid board stock material)
- UV-inhibited pigment systems
- Foaming compounds
- Proprietary strengthening additives
- Selected process additives
- Protective P&O finish

- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

91203 – Transfer System (Timbers) - 3' 0"

- 1-5/16" O.D. x .083"
- 1-1/16" O.D. x 15 gauge
- and 2" square x 3/16" wall galvanized steel tubing
- 11 gauge punched steel
- Matte PVC coating
- High-density polyethylene (HDPE) derived from post-consumer bottle waste (NOTE: Bottle waste is cleaned through a decontamination process to a purity level of over 99% HDPE then compounded into a rigid board stock material)
- UV-inhibited pigment systems
- Foaming compounds
- Proprietary strengthening additives
- Selected process additives
- Protective P&O finish
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

91204 – Timbers Transfer System

- 1-5/16" O.D. x .083"
- 1-1/16" O.D. x 15 gauge
- and 2" square x 3/16" wall galvanized steel tubing
- 11 gauge punched steel
- Matte PVC coating
- High-density polyethylene (HDPE) derived from post-consumer bottle waste (NOTE: Bottle waste is cleaned through a decontamination process to a purity level of over 99% HDPE then compounded into a rigid board stock material)
- UV-inhibited pigment systems
- Foaming compounds
- Proprietary strengthening additives
- Selected process additives
- Protective P&O finish
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Panels:

90176 – Accessible Crow's Nest w/ Gizmo

- 1-5/16" O.D. x .083" and 1-1/16" O.D. x .075" wall galvanized steel tubing
- 3/16" x 3-1/2" and 1/8" x 2-1/2" hot rolled steel
- Punched steel
- 2-1/2"-thick color-impregnated linear low density polyethylene
- Minimum surface area of 501 square inches
- All-welded assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

90186 – Ashiko & Djembe Panel

- color-impregnated linear low density polyethylene
- All-weld assembly

- Coated after fabrication with a custom formula of TGIC polyester powder coating

90226 – Decorative Panel w/ Thunderring

- 2-1/2"-thick
- color-impregnated linear low density polyethylene
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

90466 – Maze Panel

- 1-5/16" O.D. x .083" wall galvanized steel tubing
- 3/4"-thick high-density color-impregnated polyethylene
- UV stabilized
- Coated after fabrication with a custom formula of TGIC polyester powder coating

90713 – Frog Slide Puzzle-Gadget Pnl Above Dk

- 3/4"-thick high-density
- UV-stabilized and color-impregnated polyethylene
- Color-impregnated linear low density polyethylene

90715 – Twist Ball Run Gadget Panel

- 3/4"-thick high-density
- UV-stabilized and color-impregnated polyethylene
- Color-impregnated linear low density polyethylene

91340 – Timbers Enclosure w/ Thunderring

- 1-5/16" O.D. x .083" and 1-1/16" O.D. x .075" wall galvanized steel tubing
- High-density polyethylene (HDPE) derived from post-consumer bottle waste (NOTE: Bottle waste is cleaned through a decontamination process to a purity level of over 99% HDPE then compounded into a rigid board stock material)
- UV-inhibited pigment systems
- Foaming compounds
- Proprietary strengthening additives
- Selected process additives
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

91805 – Communication Panel

- 3/4" thick digital high pressure laminate
- Aluminum casting

Playground Covers:

91663 – Umbra Square Roof

- Linear low-density polyethylene
- UV-stabilized color
- Anti-static compound additive
- One-piece assembly

91664 – Umbra Hex Roof

- Linear low-density polyethylene
- UV-stabilized color
- Anti-static compound additive

- One-piece assembly

Slides:

90504 – Single Zip Slide - 4'

- Color-impregnated linear low-density polyethylene
- Minimum .25" wall thickness
- Minimum inside bed width of 17.5"
- Minimum 40" radius
- Maximum of 4°
- Integrated drain at 5°

90506 – Single Wave Zip Slide - 6'

- Color-impregnated linear low-density polyethylene
- Minimum .25" wall thickness
- Minimum inside bed width of 17.5"
- Minimum 40" radius
- Maximum of 4°
- Integrated drain at 5°

90510 – Dueling Wave Zip Slide - 6'

- Color-impregnated linear low-density polyethylene
- Minimum .25" wall thickness
- Minimum inside bed width of 17.5"
- Minimum 40" radius
- Maximum of 4°
- Integrated drain at 5°



Xscape Play Systems

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes composite structure, stand-alone play events and accessories.
- B. Basis of design is **Xscape®** modular play structures, free-standing play equipment and accessories as manufactured by GameTime, a PlayCore Company, P.O. Box 680121, Fort Payne, Alabama 35968-0121, Phone: 1-800-235-2440, www.GameTime.com.

1.02 SUBMITTALS

- A. Product Data: Include physical characteristics such as shape, dimensions, gauge and material for each component. Provide finish information and available colors.
- B. Shop Drawings: Include plans, elevations, details, and installation instructions for each component.
- C. Warranty: Include sample of manufacturer's standard warranty.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Equipment components shall be certified by IPEMA's third party product certification service. Equipment and structural components shall bear the IPEMA certification seal. IPEMA validation is available at www.ipema.org.
- B. Installer: Must be certified by the manufacturer.
- C. Safety Standards: Comply with requirements of ASTM F 1487.

1.04 WARRANTY

- A. Warranty shall meet or exceed the warranty provisions of GameTime as follows:

Lifetime limited warranty on PowerScape®, PrimeTime®, Modern City®, Xscape® & IONiX® uprights.

Lifetime limited warranty on Tru-Loc® connections and upright bolt-through connections.

Lifetime limited warranty on all hardware.

20 Year limited warranty on Timber Décor™ & Timbers recycled plastic lumber.

15 Year limited warranty on metal decks, pipes, rungs, rails, loops, braces, and foot bucks.

15 Year limited warranty on rotationally molded products.



- 15-Year** limited warranty on VistaRope nylon bearings and ring junction pieces.
- 10 Year** limited warranty on GTFit, THRIVE and Challenge Course posts & bars.
- 10 Year** limited warranty on site furnishings against structural failure.
- 10-Year** limited warranty on SunBlox® products.
- 10 Year** limited warranty on integrated GTShade® products.
- 10 Year** limited warranty on fiberglass and DHPL signage.
- 10-Year** limited warranty on VistaRope WeaveTech cables.
- 5 Year** limited warranty on TuffForms® structures, including TuffCrete™ and PolyShield.
- 5 Year** limited warranty on nylon covered cable net climbers and components.
- 5 Year** limited warranty on GT Symphony Freenotes™ Harmony Park components.
- 5 Year** limited warranty on Super Seats™.
- 5-Year** limited warranty on premature wear of VistaRope cables.
- 3 Year** limited warranty on Everybody Plays polyurea coated foam & rubber strips.
- 3 Year** limited warranty on SaddleMates® rubber and “C” springs.
- 3-Year** limited warranty on SureGrip Material
- 2 Year** limited warranty on Challenge Course timing components.
- 1 Year** limited warranty on all other GameTime products.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Main Structural Uprights *shall be 3.5” outside diameter, 13 gauge (nominal .095”) galvanized round tubing, manufactured to ASTM A-500 Grade B tolerances from cold-formed steel conforming to ASTM A-1011 Sheet Spec for steel coil. Minimum yield strength shall be 45,000 psi and minimum tensile strength shall be 48,000 psi. The exterior surface is In line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion coated, and a clear high performance organic polymer is applied. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 91% minimum zinc dust content in organic resin, as per ASTM F-1043. All upright posts shall be coated with a custom formula TGIC.*
- B. Component Attachment – Must be factory preset to the uprights to ensure full field compliance with current safety standards. Hinges, or any clamps, that require field locating

or field drilling or installation are not acceptable, due to the susceptibility of installation out of compliance with safety standards.

- C. Plastisol Coated Steel – Platforms and steps shall be fabricated from 12-gauge perforated steel with a .08" minimum thickness, textured slip-resistant polyvinyl chloride plastisol dipped coating. Platforms must attach directly to support frame, using 3/8" bolts at each connection point. Plastisol coating shall be free of latex and tested to meet California standards for phthalate levels and safe for children. Available in manufacturers standard colors.
- D. Molded Polyethylene – Products are to be rotationally molded plastic with a 1/4" nominal wall thickness. All plastic is to be U.V. stabilized with optional graphics molded into the component during the molding process. Molded products shall have an anti-static additive and be available in any of the manufacturer's standard colors.
- E. High Density Polyethylene - Products shall be made from either 1/2" or 3/4" thick (depending on application used) high density, UV-stabilized and color impregnated polyethylene.
- F. Metal Climbers and Enclosures – Products shall be fabricated from 1 5/16" OD x .083" (14 gauge) wall galvanized steel tubing with frames fabricated of 2 3/8" OD x .134 (10 gauge) wall galvanized steel tubing. All tubing used shall be an electrical resistance welded, cold rolled, high strength steel tubing. The exterior coating will consist of an in-line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion, and acrylic over-coating. The interior coating will consist of a special organic acrylic modified polyester. All climbers shall be coated with a custom formula TGIC.
- G. Cables - shall be 18mm polyester twisted type with the following properties: calculated tensile strength of >60kN, quantity 6 strands 2.8mm diameter each, steel strands shall have QTY 19 steel wires diameter .62mm each, quantity 3 fiber core 2.7mm diameter each, UV protected polyester impregnated. Terminations shall be made of the following materials: Aluminum forks, stainless steel D-shackles, stainless steel lifting eye nuts. Connections shall be made of the following: Aluminum connector eggs, aluminum 2-piece T-joints, aluminum T-joints, aluminum in-line connector, aluminum ferrules.
- H. Hardware – All nuts, bolts, screws, inserts, and lock washers 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 topcoat 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.

2.02 REQUIRED COMPONENTS

- A. In addition to the requirements contained in this section, refer to layout drawings and schedules of components and accessories on drawings.
- B. All components, accessories, hardware, and other items required for a complete and usable system shall be provided.

2.03 FINISHES

- A. Polyester (Powder) Coating – The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Architect from the manufacturer's standard and/or custom color selection charts. The paint process must adhere to the Powder Coat Institute 4000 Certification.
- B. Galvanized Finish – All components shall have a galvanized finish prior to powder coating and shall be protectively coated with ZRP, a zinc primer that forms a rust-resistant barrier layer. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. General – Comply with manufacturer's written installation instructions.
- B. Uprights – Set posts in concrete footings. Protect finish during installation. Comply with locations, height, and plumb requirements.

3.02 FIELD QUALITY CONTROL

- A. Installation shall be performed by factory certified technicians with at least 3 years' experience installing playground equipment

3.03 COMPLETION

- A. Protect installed products until completion of project.
- B. Touch up, repair, or replace damaged products before substantial completion.
- C. Installer shall turn over all installation instructions, parts lists, maintenance instructions, tool kits, and spare materials to the owner upon completion.

Individual Product Specifications

Attachments:

26063 – Bubble Climbing Wall

- 3.5" O.D. x .095"
- 2 3/8" O.D. x .095"
- 2 3/8" O.D. SCH 40 x .13"
- and 1 5/6" O.D. x .083" galvanized pipe
- 3/16" stainless steel
- 3/4"-thick high density
- UV-stabilized
- laminated and color-impregnated polyethylene
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Connectors:

26142 – Single Support with Step

- Linear
- low-density polyethylene
- EPDM 90-A
- 3-1/2" O.D. x .095"
- 2-3/8" O.D. x .134"
- and 3-1/2" O.D. x .120" wall galvanized steel tubing
- 3/16" thick H.R. steel
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Links:

26078 – Arched Loop Ladder

- 2 3/8" O.D. SCH 40 x .165" and 1-1/16" O.D. x .072" galvanized round pipe
- 3/16" x 4 1/2" stainless steel
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

27075 – 90 Degree Trapezoid Overhead Ladder

- 2-3/8" O.D. x .095" and 1-5/16" O.D. x .083" wall galvanized steel tubing
- 3/16 hot rolled steel
- All-weld assembly
- Coated after fabrication with a custom formula of TGIC polyester powder coating

Miscellaneous:

26094 – Triangular Shroud

- EPDM 90-Durometer