



PROJECT:
Willa D. Johnson Recreation Center
Project MP-0533

GENERAL ESTIMATE

WLM Job Number: #998 COR #19
DATE: 3/17/22

| ASI #011 Solatube Skylight Clarifications | | | MATERIAL | | LABOR | | SUBCONTRACTOR | |
|---|----------|------|----------|------|--------|--------|---------------|----------|
| DESCRIPTION | QUANTITY | UNIT | UNIT | COST | UNIT | COST | UNIT | COST |
| Specialties Plus | | | | | | | | |
| Price to provide the Solatube skylights with the dimmers and transformer as shown in ASI#011 as the originally spec'd Solatubes did not include this. | 1 | Bid | | 0 | 0.00 | 0.00 | 2192.13 | 2192.13 |
| Prime Electric | | | | 0 | 0.00 | 0.00 | | 0 |
| Price for labor, materials, and equipment to install and connect the dimmers and switches for the Solatubes as shown in ASI #011 | 1 | Bid | | 0 | 0.00 | 0.00 | 8904 | 8904 |
| | | | | 0 | 0.00 | 0.00 | | 0 |
| | | | | 0 | 0.00 | 0.00 | | 0 |
| General Conditions | | | | 0 | 0.00 | 0.00 | | 0 |
| As-Built drawings | 1 | hrs | | 0 | 71.02 | 71.02 | | 0 |
| Estimating | 0 | hrs | | 0 | 63.92 | 0.00 | | 0 |
| Supervision Full | 0 | days | | 0 | 390.61 | 0.00 | | 0 |
| Scheduling / Coordination | 1 | days | | 0 | 106.53 | 106.53 | | 0 |
| Pump water | 0 | days | | 0 | 177.55 | 0.00 | | 0 |
| Clean up (Full) | 0 | day | | 0 | 142.04 | 0.00 | | 0 |
| Clean up (1/2) | 0 | day | | 0 | 71.02 | 0.00 | | 0 |
| Cleaning Misc. Material | 0 | sf | 0.025 | 0 | 0.00 | 0.00 | | 0 |
| Dumpster (40 yd) | 0 | ea | 450 | 0 | 0.00 | 0.00 | | 0 |
| Punch List | 0 | day | | 0 | 390.61 | 0.00 | | 0 |
| Misc. Material | 0 | sf | 0.025 | 0 | 0.00 | 0.00 | | 0 |
| Job Trailer | 0 | mo | 350 | 0 | 0.00 | 0.00 | | 0 |
| Job Container | 0 | mo | 85 | 0 | 0.00 | 0.00 | | 0 |
| Site Office Phone/Fax | 0 | mo | 150 | 0 | 0.00 | 0.00 | | 0 |
| Site Cell Phone | 0 | wks | 12.5 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Toilet | 0 | wks | 150 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Utilities | 0 | mo | 250 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Construction Fence | 0 | mo | 595 | 0 | 0.00 | 0.00 | | 0 |
| Builder's Risk | 0 | mo | 1162 | 0 | 0.00 | 0.00 | | 0 |
| | | | | 0 | 0.00 | 0.00 | | 0 |
| subtotal | | | | 0 | | 177.55 | | 11096.13 |
| taxes | | | | 0 | | | | |
| total | 11273.68 | | | 0 | | 177.55 | | 11096.13 |

| | | | | |
|---|-----|-----|-----------|---|
| General Contractor Material & Labor Total | | | 177.55 | Scope of work: Install Solatube Skylights with dimmers as shown in ASI#011. |
| Subcontractor Material & Labor Total | | | 11096.13 | |
| Overhead on Work Performed | 10% | | 1127.37 | |
| Profit on Work Performed | 5% | | 563.68 | |
| Total Project Cost to be insured | | | 12964.73 | |
| General Liability, Bonds | | | 346.03 | Pricing and Added Time subject to change if not approved by: 3/31/22 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| subtotal | | | 13310.76 | This work impacts the project completion date. If accepted, this Change Order Request will increase the project by: 35 Day(s) |
| | | | | |
| | | | | |
| Total Change Order | | ADD | \$ 13,311 | |

Acceptance by an Authorized Representative

Signature

By accepting this Proposed Cost Change, authorization is being given to proceed with this proposed scope of work and the change in contract time as noted above is approved.





Quote Number: Quote-57720-w
 Date: 2/7/2022
 Quote Expiration Date: 5/8/2022

Authorized Distributor: Specialties Plus

Quote-57720-w

Quote Issued by: Kevin Davis
 Email: kevinldavis@sbcglobal.net
 Phone: 918-663-4254
 Fax: 918-663-4281

Project Name: Willa D Johnson Rec Center
 Quote Issued To: W. L. McNatt & Co.
 Project City: Oklahoma City
 Project State: Oklahoma
 Architect Name: FSB
 Architect City: Oklahoma City
 Architect State: Oklahoma

| Product and Description | Unit Price | Qty. | Ext. Unit Price |
|---|-------------|------------|-----------------------|
| S330DSO-DA - FC -E2 TA R - L2 D1 -I | \$ 1,134.36 | 4 | Subtotal: \$ 4,537.44 |
| Consists of: | | Qty | |
| 330 DS DOME & TUBE RING KIT | | 1 | |
| 330/750 FLASHING CURB CAP | | 1 | |
| ROOFING SEALANT - BLACK | | 1 | |
| 330/750 EXT TUBE 24" LENGTH | | 2 | |
| 330/750 TOP TUBE ANGLE 16" | | 1 | |
| 330/750 0-10V LOW VOLT DAYLIGHT DIMMER | | 1 | |
| 330/750 DS-O TRIM RING | | 1 | |
| 330/750 DS-O DIFFUSER PRISMATIC | | 1 | |
| S330DSO-DA - FC -E2 TA R - L2 -I | \$ 785.33 | 1 | Subtotal: \$ 785.33 |
| Consists of: | | Qty | |
| 330 DS DOME & TUBE RING KIT | | 1 | |
| 330/750 FLASHING CURB CAP | | 1 | |
| ROOFING SEALANT - BLACK | | 1 | |
| 330/750 EXT TUBE 24" LENGTH | | 2 | |
| 330/750 TOP TUBE ANGLE 16" | | 1 | |
| 330/750 DS-O TRIM RING | | 1 | |
| 330/750 DS-O DIFFUSER PRISMATIC | | 1 | |
| 560070 - 0-10V WALL SWITCH CONTROLLER | \$ 153.86 | 2 | \$ 307.70 |
| 560060 - TRANSFORMER 24VAC, RATED 20VA CL-2 | \$ 31.06 | 1 | \$ 31.06 |
| 220270 - 290/300/330/750 DS Metal Ins. Curb 26" x 26" x 20" | \$ 410.47 | 5 | \$ 2,052.35 |

Comment:

Labor does not include cutting of holes in roofing/roof decking, installation of curbs (to be installed by qualified roofing contractor) and installation of dimmer switches/transformers (to be installed by qualified electrical contractor).

Quote Number: Quote-57720-w
Date: 2/7/2022
Quote Expiration Date: 5/8/2022

| (All BOM Parts) Subtotal: | | \$ 7,713.88 |
|---------------------------|-------------------|---------------------|
| Description | Amount/Percentage | Price |
| Estimated Labor | \$ 1,986.00 | \$ 1,986.00 |
| Estimated Freight | \$ 460.00 | \$ 460.00 |
| Tax | 0% | \$ 0.00 |
| TOTAL | | \$ 10,159.88 |

Their original contract amount was for \$7967.75, the difference of \$2192.13 is reflected as item no 1.



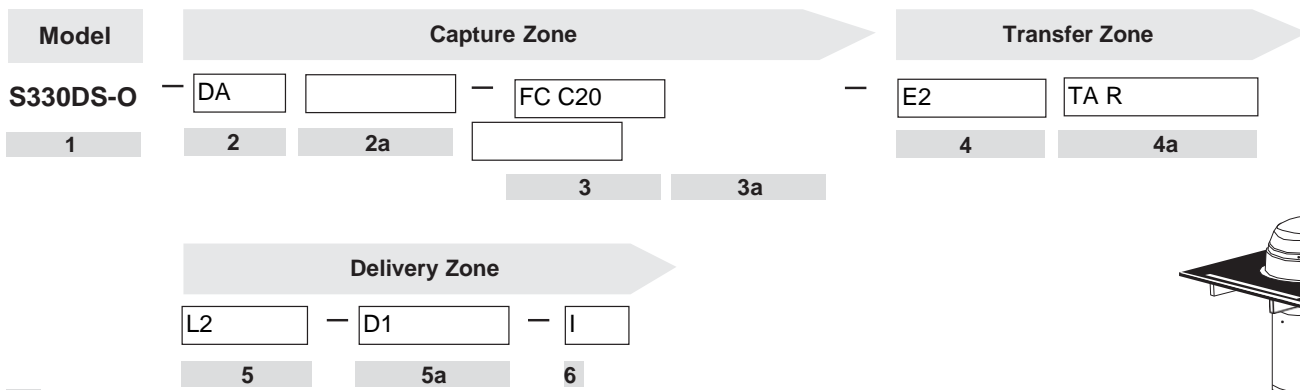
Model: Solatube 330 DS-O Open Ceiling (21 in./530 mm Daylighting System)

Project: Willa D Johnson Recreation Center

Location: Oklahoma City, OK

Type: Commercial

Product Specifications Appear in CSI Division 08, Section 08 62 23. For budgeting and quotations use only. Qty: 4



1 Model

330 DS-O SolaMaster® Solatube 330 DS-O (21 in./530 mm Daylighting System) Open Ceiling

Capture Zone

2 Dome

DA Dome Acrylic (Meets UFC-ATFP)

DP Dome Polycarbonate (FM Only**)

2a Dome Options (Leave blank if not desired)

B Security Bar

PB Dome Edge Protection Band (Required for FM**)

FG Rooftop Fire Glazing

SK Dome Security Kit

SS Secondary Diffuser

Required for High Fire Zones

3 Flashings

F4 4 in. (102 mm)
Self Mounted



C12** Metal Insulated Curb
26 in. x 26 in. x 12 in.
(673 mm x 673 mm x 305 mm)



CXX** Metal Insulated Curb
26 in. x 26 in. x XX in.
(673 mm x 673 mm x XX mm)



XX: Custom curb height determined
by bidding contractor

F8 8 in. (203 mm)
Self Mounted
(FM Approved**)



C14** Metal Insulated Curb
26 in. x 26 in. x 14 in.
(673 mm x 673 mm x 355.5 mm)



F11 11 in. (279 mm)
Self Mounted
(FM Approved**)



C16** Metal Insulated Curb
26 in. x 26 in. x 16 in.
(673 mm x 673 mm x 406.5 mm)



FC Curb Cap
(FM Approved**)



C20** Metal Insulated Curb
26 in. x 26 in. x 20 in.
(673 mm x 673 mm x 508 mm)



** Only product that is FM approved. Must use Dome Polycarbonate (DP). It is required that a Dome Edge Protection Band (PB) is used with FM approved flashings.

** Curbs designed for single-ply roofing, lightweight fill or tapered insulation low slope roof types.

3a Flashing Options (Leave blank if not desired)

T12* Roof Flashing Turret Extension 12 in./305 mm
T24* Roof Flashing Turret Extension 24 in./610 mm
T36* Roof Flashing Turret Extension 36 in./914 mm
T48* Roof Flashing Turret Extension 48 in./1219 mm

* Specify additional extension tubes in #4

MCF Membrane Counter Flashing (use with F8 or F11)

FI Flashing Insulator

CI Curb Insulator

CCI Curb Cap Insulation

Transfer Zone

4 Extension Tubes Required*

Run measured from top of flashing to diffuser along centerline of tubing using 24" lengths. See 4a for optional 48" length.

E1** One Extension Tube – Max Run = 24 in. (610 mm)

E2** Two Extension Tubes – Max Run = 46 in. (1169 mm)

E3** Three Extension Tubes – Max Run = 68 in. (1728 mm)

E4** Four Extension Tubes – Max Run = 90 in. (2286 mm)

E5** Five Extension Tubes – Max Run = 112 in. (2845 mm)

E6** Six Extension Tubes – Max Run = 134 in. (3404 mm)

E7** Seven Extension Tubes – Max Run = 156 in. (3963 mm)

E8** Eight Extension Tubes – Max Run = 178 in. (4522 mm)

E9** Nine Extension Tubes – Max Run = 200 in. (5080 mm)

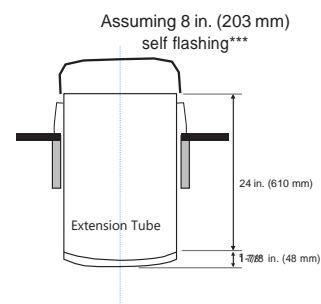
E10** Ten Extension Tubes – Max Run = 222 in. (5639 mm)

EXX** Total Run Length to be Determined by
Bidding Contractor

*At least one 24 in. (610 mm) or 48 in. (1219 mm) extension tube required for diffuser

**Compatible with dome ring to be used as a top tube or extension tube

***Total tube run will vary depending on flashing used



4a Product Options (Leave blank if not desired)

A1 One 0-90 Degree Extension Tube (Angle Adapter)

A2 Two 0-90 Degree Extension Tubes (Angle Adapter)

E Wire Suspension Kit (50 ft./15 m)

EL Optional 48 in. (1219 mm) Extension Tube
(Substitute one 48 in./1219 mm for
two 24 in./610 mm above)

TIP Thermal Insulation Panel

R Trim Ring

AK 16 in. (406 mm) Top Tube Angle Adapter and
16 in. (406 mm) Bottom Tube Angle Adapter

TA 16 in. (406 mm) Top Tube Angle Adapter

BA 16 in. (406 mm) Bottom Tube Angle Adapter

Delivery Zone

5 Diffuser Lens

L2 Prismatic Diffuser



L5 Optiview Wide
L6 Optiview Superwide
L7 Optiview Narrow



5a Options (Leave blank if not desired)

D1 0-10V Daylight Dimmer™

LED 75W 100-277V, 1.1A, 50/60Hz

6 Measurement Standard

M Metric

I Imperial

Accessories (Order separately)

(2) Switches & (1) Transformer

S1 Low voltage 0-10V switch (white) required to operate Solatube 0-10V Daylight Dimmers. Only one switch is required per forty-eight (48) synchronously controlled dimmers. (For 'D1' only) Note: For use when no controls have been specified and customer is looking for an off-the-shelf solution. If different controls have been specified please source those from others.

TR20 UL Listed Class 2 Transformer 24 VAC, Rated 20 VA (For 'D1' only)

TR96 UL Listed Class 2 Transformer 24 VAC, Rated 96 VA (For 'D1' only)

Example

S330 DS-O-DA-F8-E2-L2-D1-M

SolaMaster Series® 330 DS-O (21 in./530 mm Daylighting System), Acrylic Dome, 8 in. (203 mm) High Self Mounted Flashing, Two Extension Tubes, Prismatic Diffuser and 0-10V Daylight Dimmer. For metric installations.



Model: Solatube 330 DS-O Open Ceiling (21 in./530 mm Daylighting System)

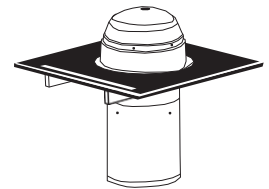
Project: Willa D Johnson Recreation Center

Location: Oklahoma City, OK

Type: Commercial

Product Specifications Appear in CSI Division 08, Section 08 62 23. For budgeting and quotations use only. Qty: 1

| Model | Capture Zone | | | Transfer Zone | |
|----------|---------------|----|--------|---------------|------|
| S330DS-O | DA | | FC C20 | E2 | TA R |
| 1 | 2 | 2a | | 4 | 4a |
| | | | 3 | | 3a |
| | Delivery Zone | | | | |
| | L2 | | I | | |
| | 5 | 5a | 6 | | |



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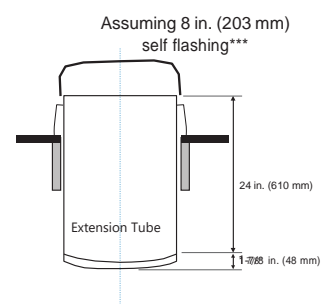
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(Substitute one 48 in./1219 mm for
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Delivery Zone

5 Diffuser Lens

L2 Prismatic Diffuser



L5 Optiview Wide
L6 Optiview Superwide
L7 Optiview Narrow



5a Options (Leave blank if not desired)

D1 0-10V Daylight Dimmer™ **LED** 75W 100-277V, 1.1A, 50/60Hz

6 Measurement Standard

M Metric **I** Imperial

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TR20 UL Listed Class 2 Transformer 24 VAC, Rated 20 VA (For 'D1' only)

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Example

S330 DS-O-DA-F8-E2-L2-D1-M

SolaMaster Series® 330 DS-O (21 in./530 mm Daylighting System), Acrylic Dome, 8 in. (203 mm) High Self Mounted Flashing, Two Extension Tubes, Prismatic Diffuser and 0-10V Daylight Dimmer. For metric installations.

PRIME ELECTRIC CO. / 300 Vista Lane, Edmond, OK 73034 • (405) 359-9190

TO: W.L. McNatt & Co.
Project Willa D. Johnson Recreation Center
COR No. 6
COR Title ASI-011 Add Solatube Power & Controls

Expires 3/31/2022
COR Date 3/15/2022
Revision Date

| COR | | | Material | Labor | | | |
|---|---|-----|-------------|-------|-------------|-----|-----------|
| Item No | Description | Qty | | Hours | Costs | | |
| 1 | Material & Labor (Breakdown Attached) | | \$ 1,495.99 | 50.81 | \$ 2,540.70 | DJE | \$ 127.04 |
| 2 | Lutron Equipment | | \$ 250.00 | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | 1. Proposal excludes all Solatube equipment, dimmers, junction boxes, transformer, etc. that are shown | | | | | | |
| 6 | to be provided with the Solatubes. | | | | | | |
| 7 | 2. Proposal excludes installation of any Solatube equipment that is not specifically listed on the breakdown. | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| Material Handling, Logistics, & Staging | | | | 5.59 | \$ 279.48 | DJE | \$ 13.97 |
| Overtime | | | | 0.00 | | | |
| Plan Reproduction/Copying/Printing | | | | | | | |
| COVID-19 Precautions | | | \$ 45.91 | | | | |
| Digital Documentation | | | \$ 44.22 | | | | |
| | | | | | | | |
| Supervision | | | | 14.23 | \$ 711.40 | DJE | \$ 35.57 |
| | | | | | | | |
| Totals | | | \$ 1,836.12 | 70.63 | \$ 3,531.57 | | \$ 176.58 |
| Labor Burden | | | | | \$ 1,483.26 | | |
| Sales Tax - (On Consumables Only) | | | \$ 19.04 | | | | |
| Total Raw Costs (Labor+Labor Burden+Material+DJE+Tax) | | | | | | \$ | 7,046.57 |
| Project Design & Engineering | | | | | | \$ | - |
| General Conditions | | | | | | \$ | 662.38 |
| Overhead @ 10% | | | | | | \$ | 770.89 |
| Profit @ 5% | | | | | | \$ | 423.99 |
| Bonds - No | | | | | | \$ | - |
| GRAND TOTAL | | | | | | \$ | 8,904.00 |

NOTES (in addition to those above):

- 1) Proposal excludes cutting, patching, or painting of any surface unless specifically included above.**
- 2) Proposal assumes all work to be performed during normal working hours and does not include any overtime unless shown.**
- 3) No work to begin until written authorization for this proposal.**
- 4) Proposal valid until expiration date - subject to recalculation following that date.**

Job Name: WILLA JOHNSON REC CENTER ASI-011 ADD SOLATUBE POWER & CONTROLS

| Item # | Item Name | | Quantity | Price 1 | Ext Price 1 | Bid Lbr | Bid Lbr Ext |
|--------------------------|------------|-----|----------|-----------|-------------|---------|-------------|
| Category: Ccode = <none> | | | | | | | |
| 3/4" | EMT | LF | 340.00 | \$2.145 | \$729.30 | 0.059 | 20.060 |
| 3/4" | FLEX | LF | 16.00 | \$0.830 | \$13.28 | 0.042 | 0.672 |
| 3/4" | FLEX CONN. | EA | 8.00 | \$1.950 | \$15.60 | 0.144 | 1.152 |
| 2-#16 AWG THHN | CU (24VAC) | LF | 200.00 | \$0.434 | \$86.80 | 0.012 | 2.400 |
| 2-#16 AWG THHN | CU (0-10V) | LF | 350.00 | \$0.434 | \$151.90 | 0.012 | 4.200 |
| 3-#12 AWG THHN | CU | LF | 100.00 | \$1.209 | \$120.90 | 0.020 | 2.000 |
| POWER J-BOX | | EA | 8.00 | \$12.643 | \$101.14 | 0.825 | 6.600 |
| CB TERM <50A | | PL | 1.00 | \$1.375 | \$1.38 | 0.330 | 0.330 |
| DAYLIGHT SENSOR (MINOR) | | EA | 2.00 | \$9.700 | \$19.40 | 1.200 | 2.400 |
| CONNECT SOLATUBE XFMR | | EA | 1.00 | \$3.000 | \$3.00 | 1.000 | 1.000 |
| CONNECT SOLATUBE JBOX | | EA | 4.00 | \$6.000 | \$24.00 | 1.000 | 4.000 |
| INSTALL SOLATUBE DIMMER | | EA | 2.00 | \$14.643 | \$29.29 | 1.500 | 3.000 |
| LUTRON PROGRAMMING | | LOT | 1.00 | \$200.000 | \$200.00 | 3.000 | 3.000 |
| Totals for Ccode | | | | | \$1,495.99 | | 50.814 |

Totals:

\$1,495.99

50.814

Report Totals:

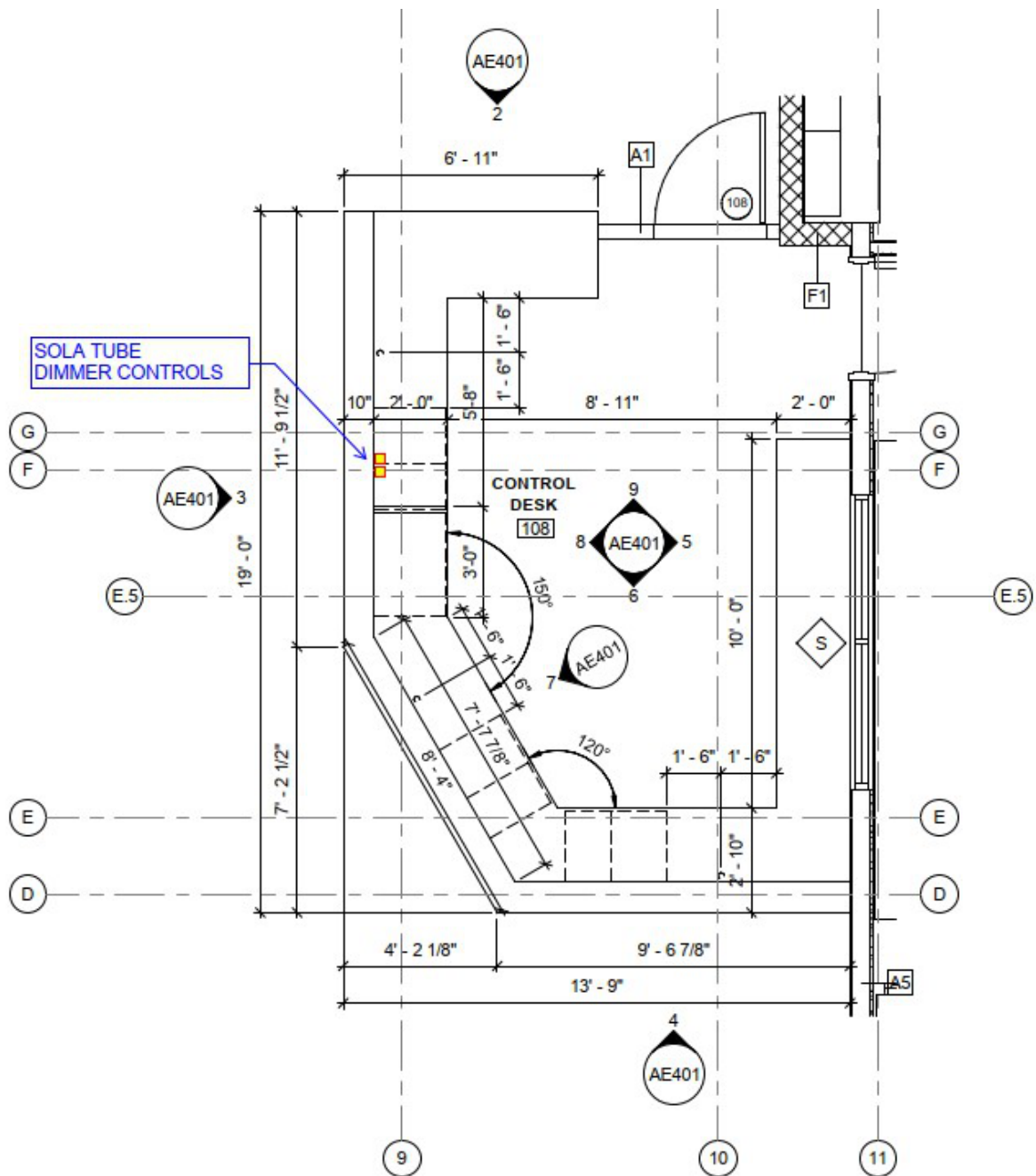
Items+ByProducts

| | |
|-------------|-------------|
| Ext Price 1 | Bid Lbr Ext |
| \$1,495.99 | 50.814 |

From: austin@wlmcnatt.com
To: [Russel Hughes](#)
Cc: [Jimmy Bradford](#)
Subject: Willa D. Johnson Pricing
Date: Tuesday, February 8, 2022 11:31:40 AM
Attachments: [image002.png](#)
[951907_Combined_0-10V_Daylight_Dimmer_Installation_Instructions_v1.0.pdf](#)
[WDJRC RCP - SECTOR A.pdf](#)

Good morning Russ,

Can you please put together some pricing for the cost to install and hook up these two dimmer switches to four dimmers on skylight tubes? We would need you to install the switches, transformer, and provide and install the wiring to connect the switches to the transformer and then the transformer to the four dimmers. The switches and transformer would be provided and the dimmers will already be in place. I have attached the location of the dimmers which are numbered, they are wanting tubes 1&2 on one switch, tubes 3&4 on the other switch, and then tube 5 will not have a dimmer so ignore that. I have also attached the installation guide for the dimmers and the location of the switches. If you want to call and discuss further let me know or if you have any questions.



1 ENLARGED RECEPTION DESK PLAN
 SCALE: 3/8" = 1'-0"

Thank you,

Austin Benefield
 Assistant Project Manager
 W.L. McNatt & Company



AIA[®] Document G710[™] – 2017

Architect's Supplemental Instructions

PROJECT: *(name and address)*
Douglass Park Enhancements &
Willa D. Johnson Recreation Center
Oklahoma City, Oklahoma

CONTRACT INFORMATION:
Contract For: Douglass Park
Enhancements & WDJ Recreation Ctr.
Date: November 04, 2020

ASI INFORMATION:
ASI Number: 011
(RFI-63.1 Clarification Response)
Date: February 25, 2022

OWNER: *(name and address)*
The City of Oklahoma City
420 West Main
Oklahoma City, OK 73102

ARCHITECT: *(name and address)*
Frankfurt-Short-Bruza Associates, P.C.
5801 Broadway Extension, Ste 500
Oklahoma City, OK 73118

CONTRACTOR: *(name and address)*
W.L. McNatt & Company
217 East Sheridan
Oklahoma City, OK 73104

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.

(Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific exhibits.)

SOLATUBE SKYLIGHT CLARIFICATIONS

AE121 REFLECTED CEILING PLAN -SECTOR A

- Remove sheet in its entirety and replace with attached sheet, revision dated 02/16/2022. Added sheet keynotes for identifying the sola tube skylights that are to be equipped with low voltage dimmer controls.

AE401 ENLARGED PLANS & MILLWORK ELEVATIONS

- Remove sheet in its entirety and replace with attached sheet, revision dated 02/16/2022. Added locatino of dimmer control switches for TS-1 and TS-2 as well as TS-3 and TS-4 in Reception Desk, Eleation 8.

EL101 ELECTRICAL LIGHTING PLAN-SECTOR A

- Remove sheet in its entirety and replace with attached sheet, revision dated 02/16/2022. Added clarificatoin on how to add power for the low voltage dimmer controls.

EL502 ELECTRICAL DETAILS

- Added new sheet dated 02/16/2022. Provides a daylight dimmer wiring schematic.

EL602 LIGHTING CONTROL SCHEDULE

- Remove sheet in its entirety and replace with attached sheet, revision dated 02/16/2022. Updated Lighting Control Schedule.

EP701 SCHEDULES

- Remove sheet in its entirety and replace with attached sheet, revision dated 02/16/2022. Added solatube dimmer control to Branch Panel: HPB circuit 31.

ATTACHMENTS:

1. AE121 REFLECTED CEILING PLAN - SECTOR A - Revised 02/16/2022
2. AE401 ENLARGED PLANS & MILLWORK ELEVATIONS - Revised 02/16/2022
3. EL101 ELECTRICAL LIGHTING PLAN-SECTOR A - Revised 02/16/2022
4. EL502 ELECTRICAL DETAILS - Added 02/16/2022
5. EL602 LIGHTING CONTROL SCHEDULE - Revised 02/16/2022
6. EP701 SCHEDULES - Revised 02/16/2022

END OF ASI-011

ISSUED BY THE ARCHITECT:

Frankfurt-Short-Bruza Associates, P.C.

ARCHITECT *(Firm name)*

SIGNATURE

Bernie W. Whitlow, P.M.

PRINTED NAME AND TITLE

February 25, 2022

DATE





PROJECT:
Willa D. Johnson Recreation Center
Project MP-0533

GENERAL ESTIMATE

WLM Job Number: #998 COR #20
DATE: 5/3/22

| Price for changing the RAF1a, RAF1b, & RAF2 flooring. | | | MATERIAL | | LABOR | | SUBCONTRACTOR | |
|--|----------|------|----------|------|--------|------|--|-------|
| DESCRIPTION | QUANTITY | UNIT | UNIT | COST | UNIT | COST | UNIT | COST |
| Performance Surfaces | | | | | | | | |
| Price to change the RAF1a & RAF1b to Mondo 10mm flooring per RFI Response due to the spec'd Connors Sports Powerdek Fleck no longer being available. | 1 | Bid | | 0 | 0.00 | 0.00 | New bid 43,679 33301 | 33301 |
| Substitution Request for RAF2 Gym Flooring. This substitution request is to use PolyFlex 5+2 poured urethane gym flooring keeping the gym floor at 7mm as originally specified. To upgrade to the 7+2 connors gym floor as previously requested, cost increase will add an additional \$28,700.00. | 1 | Bid | | 0 | 0.00 | 0.00 | Credit (10,378) New bid 78,004 14104 | 14104 |
| General Conditions | | | | | | | | |
| As-Built drawings | 0 | hrs | | 0 | 71.02 | 0.00 | Credit (63,900) | 0 |
| Estimating | 0 | hrs | | 0 | 63.92 | 0.00 | | 0 |
| Supervision Full | 0 | days | | 0 | 390.61 | 0.00 | | 0 |
| Scheduling / Coordination | 0 | days | | 0 | 106.53 | 0.00 | | 0 |
| Pump water | 0 | days | | 0 | 177.55 | 0.00 | | 0 |
| Clean up (Full) | 0 | day | | 0 | 142.04 | 0.00 | | 0 |
| Clean up (1/2) | 0 | day | | 0 | 71.02 | 0.00 | | 0 |
| Cleaning Misc. Material | 0 | sf | 0.025 | 0 | 0.00 | 0.00 | | 0 |
| Dumpster (40 yd) | 0 | ea | 450 | 0 | 0.00 | 0.00 | | 0 |
| Punch List | 0 | day | | 0 | 390.61 | 0.00 | | 0 |
| Misc. Material | 0 | sf | 0.025 | 0 | 0.00 | 0.00 | | 0 |
| Job Trailer | 0 | mo | 350 | 0 | 0.00 | 0.00 | | 0 |
| Job Container | 0 | mo | 85 | 0 | 0.00 | 0.00 | | 0 |
| Site Office Phone/Fax | 0 | mo | 150 | 0 | 0.00 | 0.00 | | 0 |
| Site Cell Phone | 0 | wks | 12.5 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Toilet | 0 | wks | 150 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Utilities | 0 | mo | 250 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Construction Fence | 0 | mo | 595 | 0 | 0.00 | 0.00 | | 0 |
| Builder's Risk | 0 | mo | 1162 | 0 | 0.00 | 0.00 | | 0 |
| | | | | 0 | 0.00 | 0.00 | | 0 |
| subtotal | | | | 0 | | 0.00 | | 47405 |
| taxes | | | | 0 | | | | |
| total | 47405 | | | 0 | | 0 | | 47405 |

| | | | | |
|---|-----|-----|-----------|---|
| General Contractor Material & Labor Total | | | 0.00 | Scope of work: |
| Subcontractor Material & Labor Total | | | 47405.00 | Change the RAF1a & RAF1b to Mondo 10mm flooring and change the RAF2 to PolyFlex 5+2 poured urethane. |
| Overhead on Work Performed | 10% | | 4740.50 | |
| Profit on Work Performed | 5% | | 2370.25 | |
| Total Project Cost to be insured | | | 54515.75 | |
| General Liability, Bonds | | | 1455.03 | |
| | | | | Pricing and Added Time subject to change if not approved by: 5/17/22 |
| | | | | This work impacts the project completion date. If accepted, this Change Order Request will increase the project by: 30 Day(s) |
| | | | | |
| | | | | |
| | | | | |
| subtotal | | | 55970.78 | |
| | | | | |
| Total Change Order | | ADD | \$ 55,971 | + base bid of \$65,712.00 now totals = \$121,683.00 for approved flooring |

Acceptance by an Authorized Representative

Signature

By accepting this Proposed Cost Change, authorization is being given to proceed with this proposed scope of work and the change in contract time as noted above is approved.



821 W Wilshire Blvd
Oklahoma City, OK 73116

Home Office: 405.463.0505
Fax : 405.607.4014
www.performancesurfaces.com



Q6UJ9A00PKD0

Rev# 3

Estimate: Willa D. Johnson Recreation Center

Quote: Mondo ONLY - RAF1a & RAF1b w/ Alternates

Customer Name: W. L. McNatt & Company
Address: 2000 East Britton Road
City, State, Zip Oklahoma City OK 73131
Phone: (405) 232-7245
Fax: (405) 232-7259
Primary Contact:

Ship To: Willa D. Johnson Recreation Center
Address: 909 Fredrick Douglass Ave.
City, State, Zip Oklahoma City OK 73117
Phone: () -
Fax: () -
Primary Contact:

| Quote #: | Date: | Salesman: | FOB: | Manufacturer: | Terms: | Quote Valid For : |
|--------------|----------|---------------|---------|---------------------|---------------------------|-------------------------|
| Q6UJ9A00PKD0 | 5/2/2022 | Ryan McCaslin | Factory | Mondo America, Inc. | 30 Days from Invoice Date | 30 Days from Quote Date |

| Item | Name Family | Type Description | Model | Color | Qty | Price | Extended Price |
|------|----------------------|--|--------------|---------------|-------|----------|----------------|
| 1 | Sport Impact O55-10R | Impact Resistant Flooring 10mm | | O55-Orange | 1,826 | \$9.69 | \$17,694.00 |
| | Mondo RAF1a | Premium rubber weight and skate resistant flooring, two layer 10mm rolls | | | | | |
| 2 | Sport Impact O18-10R | Impact Resistant Flooring 10mm | | O18-Dark Grey | 1,274 | \$9.69 | \$12,346.00 |
| | Mondo RAF1b | Premium rubber weight and skate resistant flooring, two layer 10mm rolls | | | | | |
| 3 | PU440 | Adhesive | Polyurethane | Standard | 18 | \$186.67 | \$3,361.00 |
| | Mondo | One Part modified urethane Adhesive, RH up tp 100% | | | | | |

Comments: Assumes installation over new or clean concrete. Assumes slab conditions meet manufacturer's guidelines.
Excludes wall base. Excludes RAF2 & RAF3

| | | |
|---------------------|-------------------------------|-----------------------------------|
| | Sub-Total: | \$33,401.00 |
| Tax Rate | 8.625% | Tax Amount: \$2,882.00 |
| | Shipping and Handling: | \$2,230.00 |
| | Total Material Only: | \$38,513.00 |
| | Installation: | \$8,048.00 |
| | Total Price: | \$46,561.00 |
| | | \$43,679.00 |

TERMS: Material 30 days net. Labor 90% monthly estimate, balance upon completion. Sales and Use Taxes Not Included, unless specifically stated above. All orders, contracts and deliveries subject to credit approval. Quotation is made for acceptance within 30 days of date of quotation and subject to price changes caused by government regulations, or other causes beyond our control. Deliveries are contingent on strike accidents, delays of common carriers, or other causes beyond our control. All deliveries date from date of complete and accurate data from factory. Claims for damages or shortages must be noted on delivery papers or freight bill. 1 1/2% per month to be charged on past due amounts.

Difference is
shown price
breakout

Accepted by: _____

Date: _____

821 W Wilshire Blvd
Oklahoma City, OK 73116

Home Office: 405.463.0505
Fax : 405.607.4014
www.performancesurfaces.com



Performance
S U R F A C E S

Q6UJ9A00PKDJ

Rev# 2

Estimate: Willa D. Johnson Recreation Center

Quote: POLYFLEX ONLY

Customer Name: W. L. McNatt & Company
Address: 2000 East Britton Road
City, State, Zip Oklahoma City OK 73131
Phone: (405) 232-7245
Fax: (405) 232-7259
Primary Contact:

Ship To: Willa D. Johnson Recreation Center
Address: 909 Fredrick Douglass Ave.
City, State, Zip Oklahoma City OK 73117
Phone: () -
Fax: () -
Primary Contact:

| Quote #: | Date: | Salesman: | FOB: | Manufacturer: | Terms: | Quote Valid For : |
|--------------|----------|---------------|---------|---------------------|---------------------------|-------------------------|
| Q6UJ9A00PKDJ | 5/2/2022 | Ryan McCaslin | Factory | Mondo America, Inc. | 30 Days from Invoice Date | 30 Days from Quote Date |

| Item | Name Family | Type Description | Model | Color | Qty | Price | Extended Price |
|---|----------------|---------------------|-------|-------|--------|--------|----------------|
| 1 | | | | | 11,550 | \$3.13 | \$36,152.00 |
| Notes | | | | | | | |
| PolyFlex 5+2 poured urethane gym flooring | | | | | | | |
| RAF2 | | | | | | | |
| Total thickness 7mm | | | | | | | |
| Color to be selected from manufacturer's standards | | | | | | | \$11,116.00 |
| Game line colors to be selected from manufacturer's standards as shown on IN100 | | | | | | | |

Comments: Assumes installation over new or clean concrete. Assumes slab conditions meet manufacturer's guidelines.
Excludes wall base.

| | | |
|------------------------|-------------------|-----------------------------------|
| Sub-Total: | | \$47,268.00 |
| Tax Rate | 8.625% | Tax Amount: \$4,078.00 |
| Shipping and Handling: | | \$1,593.00 |
| Total Material Only: | | \$43,679.00 |
| Installation: | | \$29,143.00 |
| Total Price: | | \$78,004.00 |

TERMS: Material 30 days net. Labor 90% monthly estimate, balance upon completion. Sales and Use Taxes Not Included, unless specifically stated above. All orders, contracts and deliveries subject to credit approval. Quotation is made for acceptance within 30 days of date of quotation and subject to price changes caused by government regulations, or other causes beyond our control. Deliveries are contingent on strike accidents, delays of common carriers, or other causes beyond our control. All deliveries date from date of complete and accurate data from factory. Claims for damages or shortages must be noted on delivery papers or freight bill. 1 1/2% per month to be charged on past due amounts.

Difference is
shown price
breakout

Accepted by: _____

Date: _____

SPORT IMPACT

WEIGHT AND SKATE
RESISTANT RUBBER FLOORING



SPORT IMPACT

Premium weight and skate resistant rubber flooring with unsurpassed resistance to abrasions, tears and impacts.

SPORT IMPACT

CSCC_a

iHRSA

NIRSA



SPECIFICATIONS

Texture: Sealskin
Thickness: 15/64" (6 mm)
Roll Width: 6' 1" (1.86 m)
Roll Length: 42' 7" (13 m)*

Thickness: 25/64" (10 mm)
Roll Width: 6' 1" (1.86 m)
Roll Length: 29' 6" (9 m)*

Tile Dimensions: 3' x 3'
(0.91 m x 0.91 m)

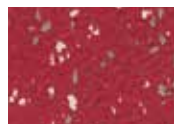
COLORS**



Sand
062



Brown
136



Red
141



Purple
026



Orange
055



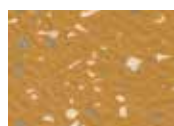
Green
114



Blue
110



Dark Blue
073



Gold
154



Medium Grey
011



Dark Grey
018



Black
008

VULCANIZED ADVANTAGE

Mondo's vulcanization process permanently amalgamates individual layers, using high heat and pressure; the product will never separate, and its biomechanical and physical properties will be consistent. Each vulcanized layer offers individual characteristics and benefits.

PERFORMANCE LAYER

- 3 mm homogeneous wear layer for high performance under heavy use, traffic from ice skate blades, as well as strength and conditioning equipment
- Straightforward maintenance, requires no finishes or coatings

KEY BENEFITS

- 20+ years life expectancy
- Low cost of ownership

HEALTH AND SAFETY

- GREENGUARD Gold certified, the most stringent indoor air quality requirement testing
- 100% recyclable; contains pre-consumer, post-consumer recycled content and rapidly renewable material
- Fire resistant
- Meets ADA requirements

IMPACT LAYER

- Protects against heavy impact and high intensity training
- Glued down installation eliminates bacteria or mold growth

- Provides shock absorption and dimensional stability
- Withstands static loads such as weights and cardio equipment

- Free of halogens, isocyanates, formaldehyde, asbestos, bisphenol (BPA), halogenated flame retardant-free, heavy metals, phthalates, polychlorinated biphenyls (PCBS), perfluorinated compounds (PFCS)
- Excellent fungal, bacterial and microbial resistance throughout



Printed in Canada - Revised 02/2020

*Average length from production

**Custom colors available; minimum quantity required.

WWW.MONDOWORLDWIDE.COM
UNITED STATES 800.361.3747 CANADA 800.663.8138 mondo@mondousa.com

Specifier Note: This Specification has been created to assist in preparing a Project or Master Specification. In accordance with Construction Specifications Institute (CSI)'s MasterFormat®, this Specification can be used with most Master Specifications following simple editing.

*Specifier Note: **The enclosed requirements are intended for indoor installations over concrete** (or in some cases over wood). If the provisions described herein are adopted for installations outdoors or over asphalt, Mondo's Warranty will be null and void and the Specifier will be held liable.*

Specifier Note: This Specification describes the resilient athletic flooring to be installed. The number and title of the section may be changed, if the Specifier deems necessary, but in any circumstance it will belong to the general CSI Section 09 65 00: Resilient Flooring.

SECTION 09 65 66

Resilient Athletic Flooring

1 PART 1 – GENERAL

1.1 SUMMARY

1.1.1 Products Supplied

- A. Resilient athletic flooring.
- B. Accessories required for installation, maintenance and repair.

1.1.2 Related Requirements

Specifier Note: The following CSI sections serve as a guide to what is essential information needed to determine the acceptability of the site conditions required for the installation of resilient athletic flooring. The Specifier may choose to include other sections he/she deems necessary.

- A. Section 02 25 00 – Existing Material Assessment
- B. Section 03 05 00 – Common Work Results for Concrete
- C. Section 06 05 00 – Common Work Results for Wood, Plastics, and Composites
- D. Section 07 05 00 – Common Work Results for Thermal and Moisture Protection
- E. Section 07 10 00 – Dampproofing and Waterproofing

1.2 REFERENCES

1.2.1 ASTM International (ASTM)

- A. ASTM D412: Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension.
- B. ASTM D2047: Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as measured by the James Machine.
- C. ASTM D2240: Standard Test Method for Rubber Property (Durometer Hardness).
- D. ASTM D3389: Standard Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader).
- E. ASTM E492: Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine.

- F. ASTM E648: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- G. ASTM E1643: Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.
- H. ASTM E1745: Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs.
- I. ASTM E2180: Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials.
- J. ASTM F386: Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces.
- K. ASTM F710: Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
- L. ASTM F925: Standard Test Method for Resistance to Chemicals of Resilient Flooring.
- M. ASTM F970: Standard Test Method for Measuring Recovery Properties of Floor Coverings after Static Loading.
- N. ASTM F1514: Standard Test method for Measuring Heat Stability of Resilient Flooring by Color Change.
- O. ASTM F1515: Standard Test Method for Measuring Light Stability of Resilient Flooring by Color Change.
- P. ASTM F1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- Q. ASTM F2170: Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.

1.2.2 State of California (CA)

- A. CA Section 01350. Standard Method for the Testing and Evaluation of Volatile Organic Compound Emissions from Indoor Sources Using Environmental Chambers.

1.2.3 Grenelle Environment Forum

- A. Decree № 2011-321. French decree on labeling requirement for construction materials, wall and floor coverings, and paint and varnishes, as it pertains to their emissions of volatile pollutants.

1.2.4 GREENGUARD Environmental Institute (GEI)

- A. GREENGUARD Certification. Compliant with stringent emission levels for over 360 VOCs, plus a limit on the total of all chemical emissions combined (TVOC).
- B. GREENGUARD Gold. Compliant with safety factors to account for sensitive individuals (such as children and the elderly) and ensures that a product is acceptable for use in environments such as schools and healthcare facilities.

1.2.5 International Organization for Standardization (ISO)

- A. ISO 9001: Quality management systems – Requirements.
- B. ISO 16000-9: Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method.
- C. ISO 22196: Measurement of antibacterial activity on plastics and other non-porous surfaces.

1.3 SUBMITTALS

Specifier Note: The following are typical submittals. The Specifier may choose to include other submittals he/she deems necessary. Technical and warranty information is available for download at www.mondoworldwide.com or

may be obtained from the Technical Department at Mondo America, Inc. (United States 1-800-361-3747 • Canada 1-800-663-8138).

1.3.1 Action Submittals

- A. Provide copies of Original Equipment Manufacturer (OEM)'s ISO 9001 certification.
- B. Provide current printed data sheets for all Products Supplied.
- C. Provide samples, 6 inches x 6 inches, for verification of such characteristics as color and surface texture for each Manufactured Product specified.
- D. As necessary, provide shop drawings prepared for project illustrating layouts, details, dimensions and other pertinent data.

1.3.2 Informational Submittals

- A. Provide Manufacturer's current printed substrate surface preparation guidelines.
- B. Provide Manufacturer's current printed installation guidelines for Products Supplied.

1.3.3 Closeout Submittals

- A. Provide Manufacturer's current printed maintenance guidelines for Manufactured Product.
- B. Provide Manufacturer's current printed standard warranty for Manufactured Product.

1.3.4 Maintenance Material Submittals

- A. Provide extra stock materials from original dye lots, for use in facility operations and maintenance (approximately 2% of the total floor surface for each color, surface texture and format of Manufactured Product specified).

1.4 QUALITY ASSURANCE

- A. Manufacturer must be certified ISO 9001.
- B. Manufacturer must have a minimum of fifteen (15) years of experience in the manufacturing of prefabricated resilient rubber flooring.
- C. Manufactured Product must have undergone a vulcanization process; factory lamination should not be accepted as equivalent.
- D. Surfacing Contractor to be recognized and approved by the Manufacturer.
- E. Surfacing Contractor shall be fully acquainted with the existing facility and utilities and shall fully understand the difficulties and restrictions attending the execution of the work under contract. Surfacing Contractor to advise the Owner of any restrictions or anticipated difficulty, in writing and before submitting bids.
- F. Installer must be approved by the Surfacing Contractor and must have performed installations of the same scale in the last three (3) years.

Specifier Note: Specify mock-up dimensions as instructed by Owner or Architect.

- G. A mock-up installation is highly recommended; always follow the same procedures and use the same materials that have been specified for the actual project. The Owner or Architect will be responsible for deeming the mock-up acceptable.

- Mock-up size: [XXin x XXin (XX cm x XX cm)].

1.5 DELIVERY, STORAGE AND HANDLING

- A. Products Supplied must be delivered in Manufacturer's original, unopened and undamaged packaging with identification labels intact.
- B. Products Supplied must be protected from exposure to harmful weather conditions and must be safely stored on a clean, dry, flat surface. Store rolls of resilient athletic flooring upright; store tiles of resilient athletic flooring on a flat surface, carefully protecting corners and edges.
- C. Climate controlled storage is recommended. Storage temperature must not be below 40°F (4°C) and must not exceed 100°F (38°C). Materials must be delivered to site a minimum of 24 hours before work is scheduled to begin so that they may acclimate.
- D. Avoid storing Manufactured Product for extended periods of time or additional material trimming may be required.
- E. Products Supplied need not suffer damage during delivery, storage and handling (i.e. dents/scratches, excessive compression or warping, chipped edges, etc.).

1.6 SITE CONDITIONS

- A. The General Contractor or Construction Manager shall be responsible for ensuring all site conditions meet the requirements of the Manufacturer, as referenced herein at sections 3.2 and 3.3. Refer to current version of ASTM F710 for additional information.
- B. Concrete slabs, on or below grade, must be installed over a permanent effective vapor retarder, respecting current versions of the standard practice ASTM E1643 and the standard specification ASTM E1745. The vapor retarder must be placed directly underneath the concrete slab, above the granular fill, per Manufacturer's instructions. The vapor retarder must have a perm rating of 0.1 or less and must have a minimum thickness of 10 mil (0.010 in).
- C. No sealers or curing compounds are applied to or mixed into the concrete (refer to Section 03 05 00 – Common Work Results for Concrete of Division 3).
- D. Installation of the resilient athletic flooring to be carried out no sooner than the specified curing time of the concrete (normal density concrete curing time is approximately 28 days for development of design strength, having a minimum 3500 psi or 25 MPa in compressive strength).
- E. Substrate surface must be free of all contaminants that can inhibit bond (paint, wax, dust, oil or grease, sealer, curing compound, solvent, asphalt, old adhesive residues, etc.). All contaminants must be removed from the surface via mechanical abatement. Use of abatement chemicals is not recommended.
- F. Concrete must have a smooth finish, proper density and be highly compacted with a tolerance of 1/8th of an inch in a 10-foot radius (3.2 mm in 3.05 m radius). Floor Flatness (FF) and Floor Levelness (FL) numbers are not recognized.
- G. Moisture and alkalinity tests must be performed on all concrete substrates, under in-service conditions. It is recommended to turn on the HVAC unit prior to performing moisture testing, in order to ensure stable testing conditions and accurate results. The concrete's surface pH should be between 7 and 10. Relative humidity of the concrete slab must not exceed the tolerance of the adhesive specified, in accordance with the current version of ASTM F2170 (in situ probes). Moisture vapor emissions from the concrete slab must not exceed the tolerance of the adhesive specified, in accordance with the current version of ASTM F1869 (anhydrous calcium chloride).
- H. Maintain stable room and substrate temperatures prior to moisture testing and flooring installation, during the flooring installation, as well as a minimum of 48 hours after the flooring has been completely installed. Recommended ambient temperature range is between 65°F and 86°F (18°C and 30°C) and recommended ambient humidity range is between 35% and 55%.
- I. If installing over wood substrates, ensure exterior grade plywood with at least one good side, such as: APA (Engineered Wood Association) Exterior grade plywood (A-A Exterior, A-B Exterior or A-C Exterior) and CANPLY (Canadian Plywood Association) Exterior certified plywood (Canada: Grade G2S A-A or G1S A-C. USA: G2S A-A, A-B, B-B, or G1S A-C, B-C). There must be proper underfloor ventilation, plywood must be

dry and should have a moisture content ranging between 6 and 12%, when measured with a quality wood moisture meter (electronic hygrometer).

- J. Installation of resilient athletic flooring will not commence until the building is enclosed and all other trades have completed their work. It is the General Contractor or Construction Manager's responsibility to maintain a secure and clean working area before, during and after the installation of the resilient athletic flooring.

1.7 WARRANTY

- A. The resilient athletic flooring is warranted to be free from manufacturing defects for a period of one (1) year from the date that is 30 days from shipment from the Manufacturer, per the terms and conditions of the Manufacturer's written Limited Warranty.
- B. For standard applications, the resilient athletic flooring is warranted against excessive wear under normal usage for a period of ten (10) years from the date that is 30 days from shipment from the Manufacturer, per the terms and conditions of the Manufacturer's written Limited Warranty. For applications in ice arenas/ice skate use, the resilient athletic flooring is warranted against excessive wear under normal usage for a period of five (5) years from the date that is 30 days from shipment from the Manufacturer, per the terms and conditions of the Manufacturer's written Limited Warranty.
- C. Refer to current copy of Manufacturer's written Limited Warranty for all terms and conditions, which shall be obtained directly from Manufacturer. In no event shall any warranties provided by any third parties (including distributors, insurance and/or private label providers) be considered a valid.

2 PART 2 – PRODUCTS

2.1 MANUFACTURED PRODUCT

2.1.1 Manufacturer

- A. Mondo Luxembourg S.A.: Z.I. Foetz - Rue de l'Industrie, L-3895 Foetz, Luxembourg.

2.1.2 Description

Specifier Note: Specify required color(s) and format(s).

- A. Sport Impact is prefabricated resilient athletic flooring, calendered and vulcanized, with a base of natural and synthetic rubbers, stabilizing agents and pigmentation, as manufactured by Mondo Luxembourg S.A. or approved equal.
- B. Dual durometer construction, vulcanized into a single prefabricated sheet/tile for optimal performance and durability. The Shore hardness of the top layer (wear layer) will be greater than that of the bottom layer (backing); Shore hardness of layers to be recommended by the Manufacturer and to respect limits specified.
- C. Health-Conscious Production: Sport Impact is free from red listed ingredients (LBC Red List) and is manufactured without bisphenol A (BPA), formaldehyde, halogens, heavy metals, isocyanates, phthalates and polyvinyl chloride (PVC).
- D. Thickness: 0.394" (10 mm).
- E. Colors: Provided in standard, solid background colors with randomly dispersed colored chips throughout the wear layer's entire depth.
- F. Surface Texture: Sealskin.

- G. Formats: Available in sheets that are 6'1" (1.86 m) wide and 29'6" (9 m) long [min. 19'8" (6 m)/max. 36'1" (11 m)]; available in tiles that are 36" x 36" (91.35 cm x 91.35 cm).

2.1.3 Performance

Specifier Note: Results may vary slightly between production runs, due to manufacturing tolerances and testing methods/equipment used by laboratories during analysis. However, Manufactured Product must always meet the minimum requirements listed.

- A. Performance of the Manufactured Product to conform to the following criteria:

| Performance Criterion | Test Method | Requirement | Result* |
|---|---------------|-------------------------------------|-----------------------------------|
| Elongation at Break | ASTM D412 | ≥100% | ≥120% |
| Tensile Strength | ASTM D412 | ≥300 psi | ≥550 psi |
| Static Coefficient of Friction (neolite heel) | ASTM D2047 | ≥0.50 (dry) | ≥0.80 (dry) |
| Hardness of Top Layer (Shore A) | ASTM D2240 | 80 ± 5 | 80 |
| Hardness of Bottom Layer (Shore A) | ASTM D2240 | 70 ± 8 | 75 |
| Abrasion Resistance (H18 wheel, 1000g, 1000 cycles) | ASTM D3389 | ≤1.0 g | ≤0.4 g |
| Impact Insulation Class | ASTM E492 | - | ≈ 59 dB (IIC) |
| Critical Radiant Flux | ASTM E648 | ≥0.22 W/cm ² (Class 2) | ≥0.45 W/cm ² (Class 1) |
| Reduction of Bacterial Activity - MRSA (ATC 43300) | ASTM E2180 | - | ≥99,99% reduction |
| Thickness | ASTM F386 | 10 mm (±0.2 mm) 0.394" (±0.008") | Compliant |
| Resistance to Chemicals | ASTM F925 | ≤Slight Change | Compliant ** |
| Static Loading (Tested at 250psi) | ASTM F970 | ≤0.008 in | 0.002 in |
| Heat Resistance | ASTM F1514 | ΔE ≤8.0 | Compliant |
| Light Resistance | ASTM F1515 | ΔE ≤8.0 | Compliant |
| Reduction of Bacterial Activity - MRSA (ATC 43300) | ISO 22196 | - | ≥99,999% reduction |
| Indoor Air Quality (IAQ) Certifications | | | |
| CA Section 01350 | CA: V1.1-2010 | - | Compliant |
| Greenguard Gold | Greenguard | - | Compliant |
| Greenguard Certification | Greenguard | - | Compliant |
| French Decree № 2011-321 | ISO 16000-9 | - | Compliant (Class A+) |

*Results obtained from manufacturing controls can vary between production lots and do not constitute representations or warranties as to any particular production lot. Mondo reserves the right to modify product design and/or specifications at any time without notice.

**For complete list of chemicals tested, concentration and contact time, please communicate with Mondo's Technical Department.

2.1.4 Limitations

- A. For areas subject to surface impacts, such as designated free weight areas, it is recommended to adhere the resilient athletic flooring directly to the concrete substrate for optimal performance. Whenever possible, avoid installing resilient athletic flooring on weaker surfaces that may offer less resistance to continuous impacts.

2.1.5 Materials

- A. Provide Sport Impact rubber flooring manufactured by Mondo Luxembourg S.A. or approved equal.
 B. Provide Manufactured Product as specified in section 2.1.2 Description.

2.2 ACCESSORIES

Specifier Note: Accessories should be specified in accordance with the project requirements.

- A. Provide adhesive certified by Manufacturer: Mondo PU 105 (polyurethane) adhesive is recommended for installations over concrete. For suitability, recommendations and use, please refer to Manufacturer's current printed adhesive data sheets. In some cases, Mondo EP 55 (epoxy) may be used in areas that have not been specified for use of Mondo Everlay products, and that will not be subject to surface impacts or heavier dynamic loads (bleachers, equipment, etc.). For acceptable installations over wood or Mondo Everlay products (where surface impacts are not a concern), please consult Mondo's Technical Department for current adhesive recommendations.
- B. Portland cement based patching or leveling compound to be supplied or recommended/approved by Manufacturer.

3 PART 3 – EXECUTION

3.1 INSTALLERS

- A. Refer to section 1.4 of this document for information on installers.

3.2 EXAMINATION

Specifier Note: The following must be ensured prior to resilient athletic flooring installation.

- A. Prior to resilient athletic flooring installation, ensure substrate is ready to receive resilient flooring and has been prepared according to Manufacturer's current substrate surface preparation guidelines. Refer to current version of ASTM F710 for additional information.
- B. Ensure that concrete slabs, on or below grade, are installed over a permanent effective vapor retarder, respecting current versions of the standard practice ASTM E1643 and the standard specification ASTM E1745. The vapor retarder must be placed directly underneath the concrete slab, above the granular fill, per Manufacturer's instructions. The vapor retarder must have a perm rating of 0.1 or less and must have a minimum thickness of 10 mil (0.010 in).
- C. Ensure that no concrete sealers or curing compounds have been applied to or mixed into the concrete (refer to Section 03 05 00 – Common Work Results for Concrete of Division 3).
- D. Installation of the resilient athletic flooring to be carried out no sooner than the specified curing time of the concrete (normal density concrete curing time is approximately 28 days for development of design strength, having a minimum 3500 psi or 25 MPa in compressive strength).
- E. Ensure that concrete surface is free of any contaminant that could inhibit bond (paint, wax, dust, oil or grease, sealer, curing compound, solvent, asphalt, old adhesive residues, etc.). All contaminants must be removed from the surface via mechanical abatement. Use of abatement chemicals is not recommended.
- F. Confirm concrete has a smooth finish, proper density and is highly compacted with a tolerance of 1/8th of an inch in a 10-foot radius (3.2 mm in a 3.05 m radius). Floor Flatness (FF) and Floor Levelness (FL) numbers are not recognized.
- G. Moisture and alkalinity tests must be performed on all concrete substrates, under in-service conditions. It is recommended to turn on the HVAC unit prior to performing moisture testing, in order to ensure stable testing conditions and accurate results. The concrete's surface pH should be between 7 and 10. Relative humidity of the concrete slab must not exceed the tolerance of the adhesive specified, in accordance with the current version of ASTM F2170 (in situ probes). Moisture vapor emissions from the concrete slab must

not exceed the tolerance of the adhesive specified, in accordance with the current version of ASTM F1869 (anhydrous calcium chloride).

- H. Ensure room and substrate temperatures are maintained prior to moisture testing and flooring installation, during the flooring installation, as well as a minimum of 48 hours after the flooring has been completely installed. Recommended ambient temperature range is between 65°F and 86°F (18°C and 30°C) and recommended ambient humidity range is between 35% and 55%.
- I. If installing over wood substrates, ensure exterior grade plywood with at least one good side, such as: APA (Engineered Wood Association) Exterior grade plywood (A-A Exterior, A-B Exterior or A-C Exterior) and CANPLY (Canadian Plywood Association) Exterior certified plywood (Canada: Grade G2S A-A or G1S A-C. USA: G2S A-A, A-B, B-B, or G1S A-C, B-C). There must be proper underfloor ventilation, plywood must be dry and should have a moisture content ranging between 6 and 12%, when measured with a quality wood moisture meter (electronic hygrometer).
- J. Installation of resilient athletic flooring will not commence until the building is enclosed and all other trades have completed their work. It is the General Contractor or Construction Manager's responsibility to ensure that a secure and clean working area is maintained before, during and after the installation of the resilient athletic flooring.

3.3 PREPARATION

Specifier Note: The surface of the concrete (or wood when specified) is to be prepared according to Manufacturer's current printed guidelines; it is recommended that the Specifier review said guidelines. A copy of the substrate surface preparation guidelines can be obtained from the Technical Department at Mondo America, Inc. (United States 1-800-361-3747 • Canada 1-800-663-8138). The guidelines are considered common practice for the preparation and verification of substrates that will be receiving resilient flooring, and as such should not be omitted or altered in any case.

- A. Prepare substrate surface in accordance with Manufacturer's current printed guidelines.

3.4 INSTALLATION

Specifier Note: Select appropriate installation guidelines for resilient athletic flooring format required for the project. Products Supplied are to be installed following their current printed guidelines; it is recommended that the Specifier review said guidelines. Copies of all installation guidelines for Products Supplied can be obtained from the Technical Department at Mondo America, Inc. (United States 1-800-361-3747 • Canada 1-800-663-8138). Installation procedures may be altered to accommodate special project needs, as deemed necessary by the Specifier and after he/she has consulted the Technical Department at Mondo America, Inc. to ensure suitability.

- A. Install sheets of resilient athletic flooring following Manufacturer's current printed guidelines.
- B. Install tiles of resilient athletic flooring following Manufacturer's current printed guidelines.
- C. Install all accessories following Manufacturer's current printed guidelines.

3.5 REPAIR

- A. Refer to section 1.3.4 for extra stock materials. Repair material must come from the same original dye lot as the Manufactured Product initially installed.
- B. Repairs are to be performed by Surfacing Contractor's qualified installers/technicians only.

3.6 CLEANING

- A. Always wait at least a minimum of 72 hours after the resilient athletic flooring has been completely installed before performing initial maintenance. Always maintain the resilient athletic flooring following Manufacturer's current printed guidelines.

3.7 PROTECTION

- A. As needed, protect resilient athletic flooring with 1/8" Masonite during and after the installation, prior to its acceptance by the Owner.
- B. Preserve the integrity of the installation and protect against direct sunlight/UV exposure; always ensure that windows and glass doors have inherent UV protection and/or are fitted with blinds/UV film.

PolyFlex

Polyflex is a seamless indoor sports flooring system, composed of prefabricated recycled rubber mat adhered to the substrate and coated with a minimum 2mm premium polyurethane wear coat. Finished with two layers of premium polyurethane matte top coats.

| | |
|-----------|------------|
| Thickness | 6mm (4+2) |
| | 7mm (5+2) |
| | 8mm (6+2) |
| | 9mm (7+2) |
| | 10mm (8+2) |

Performance SURFACES

www.performancesurfaces.com

821 W Wilshire Blvd

Oklahoma City, OK 73116

info@performancesurfaces.com











800.682.5192

@perf_surf



Oklahoma | Arkansas | Colorado | Wyoming | Montana

PRODUCT FEATURES

| | CLASSIC |
|---|---------|
|  Excellent Sports & Multi-functional surface | ■ |
|  Consistent ball bounce | ■ |
|  Injury reduction | ■ |
|  IHF certified | ■ |
|  ISO 9001 certified & ISO 14001 Certified | ■ |
|  High Shock absorption | ■ |
|  Extreme wear resistance | ■ |
|  High load bearing and tensile strength | ■ |
|  Proven, simple maintenance processes | ■ |
|  Totally re-coatable system | ■ |

DIVISION 9 Finishes - SECTION 096566 - Synthetic Athletic Flooring

PART 1.0- GENERAL

1.1 DESCRIPTION

A. Scope

1. The complete installation of synthetic sports surfacing system including striping.

B. Related work specified under other sections.

1. CONCRETE MOISTURE VAPOR EMISSION AND pH TESTING - SECTION 01450

- a. Moisture vapor emission and pH of concrete shall be tested. Concrete substrates must comply with limitations of moisture and alkalinity, with Calcium Chloride MVE test per ASTM F 1869 not to exceed 5 lbs. per thousand and/or in-situ Relative Humidity (RH) per ASTM F2170 not to exceed 85%, and substrate pH readings between 7.0–9.0.

2. CONCRETE SUBFLOORS - SECTION 03__ _

- a. The general contractor shall furnish install the concrete subfloors
- b. The slab shall be steel troweled and finished smooth to a tolerance of 1/8" in any 10' radius. **Polished and/or burnished slabs will not be accepted and will require diamond grinding or shot blasting prior to installation commencing.**
- c. Floor flatness and floor levelness (FF and FL) numbers are not recognized.
- d. High spots shall be ground level and low spots filled with approved leveling compound.
- e. **No concrete curing, hardening, or sealing agents shall be applied or mixed with the concrete subfloor.**

3. MEMBRANE WATERPROOFING - SECTION 07__ _

- a. Concrete subfloors on or below grade shall be installed over a suitable moisture retardant membrane. Water vapor membrane shall comply with ASTM E 1745-97 (2004).

4. GAME STANDARD INSERTS - SECTION 11__ _

1.2 REFERENCES

A. The following standards have been utilized:

- i. ASTM D 412
- ii. ASTM D 624
- iii. ASTM E 1745-97
- iv. ASTM F 2170
- v. ASTM F 1869
- vi. ASTM F 2772
- vii. ASTM E 648
- viii. ASTM F 386
- ix. EN ISO 2813
- x. EN ISO 5470
- xi. EN 1516
- xii. EN 1517
- xiii. EN 1569
- xiv. DIN 53455
- xv. CA 01350

1.3 SUBMITTALS

- A. Product specifications.
- B. One sample of the specified system, if requested by Architect.
- C. Maintenance Guide.
- D. Current installation instructions.

1.4 QUALITY ASSURANCE

A. Manufacturer/Supplier Qualifications:

- i. A minimum of twenty (10) years active experience with indoor resilient athletic flooring
- ii. Have extensive experience in manufacturing and the installation of the specified athletic flooring system.
- iii. Provide detailed training and qualification for all Installation Technicians
- iv. **All system components are to be strictly manufactured in the U.S.A. confirmation of such shall be confirmed in writing.**
- v. Formulator shall be ISO-9001 certified for quality control and will provide copy of Certification document upon request.

B. INSTALLER (Flooring Contractor):

- i. The complete installation of the flooring system, as described in these specifications,
- ii. Installation of sports flooring shall be done by factory trained technicians (Flooring Contractor), and shall be performed in strict accordance with current installation instructions.
- iii. Installer shall have experience on at least five projects of similar size, type and complexity as this project.
- iv. Installer shall be liable for all matters related to the installation for a period of one year after the floor has been accepted.

1.5 ENVIRONMENT AND INDOOR AIR QUALITY (IAQ)

A. LEED™ Documentation:

- i. MR Credits: For products having recycled content, indicate percentage by weight of post-consumer and pre-consumer recycled content.
- i. IEQ Credits: For adhesives and flooring, including a statement of VOC content.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Materials must be delivered in original, unopened and undamaged packaging with identification labels intact.
- B. Store material in a secured, enclosed, Climate Controlled area protected from exposure to harmful weather conditions and on a clean, dry, flat surface. Do not stack pallets.
- C. Storage conditions shall be 60°F to 85°F with 80% or less ambient RH.

1.7 SITE CONDITIONS

- A. Installation of synthetic materials shall not commence until **all** other finishes and trades have completed their work in the areas to receive the athletic flooring including but not limited to painting and basketball goals.
- B. Area to receive the athletic flooring shall be completely closed to all trades and foot traffic until completion of work and acceptance by owner.
- C. Permanent windows, lockable doors, heat, lights, and ventilation must be installed

- and operating during and after installation.
- D. Subfloors shall be clean, dry, and free from dirt, dust, oil, grease, paint, old adhesive residue, or any other foreign materials.
- E. Moderate room temperature of 60° F to 80° F with 75% or less ambient Relative Humidity shall be maintained for one week prior to, during and 72 hours after installation.
- F. Flooring installation shall not begin until moisture vapor emissions, pH level, and levelness of concrete subfloors have been met. The installation area shall be closed to all traffic and activity for a period to be set by the flooring contractor.
- G. Adhere to all SDS requirements.
- H. After the synthetic floors are completed, the area will be closed to all trades and foot traffic for 7 days to allow curing.

1.8 WARRANTY

- A. Performance Surfaces provides a limited warranty of one (1) year on the PolyFlex materials it has supplied. (A copy of the full warranty, with its Terms and Exclusions, is available from the authorized Performance Surfaces dealer. This warranty is expressly limited to the flooring materials (goods) supplied by Performance Surfaces. This warranty does not cover floor damage caused (wholly or in part) by fire, winds, floods, moisture, or other unfavorable atmospheric conditions or chemical action, nor does it apply to damage caused by ordinary wear, misuse, abuse, negligent or intentional misconduct, aging, faulty building construction, concrete slab separation, faulty or unsuitable subsurface or site preparation, settlement of the building walls, not maintaining floor per Performance Surfaces printed maintenance instructions, moisture migration from any source, including but not limited to from above, from perimeter, and/or from below floor, or unprofessional installation.
- B. Performance Surfaces shall not be liable for incidental or consequential losses, damages or expenses directly or indirectly arising from the sale, handling or use of the materials (goods) or from any other cause relating thereto, and their liability hereunder in any case is expressly limited to the replacement of materials (goods) not complying with this agreement or, at their election, to the repayment of, or crediting buyer with, an amount equal to the purchase price of such materials (goods), whether such claims are for breach of warranty or negligence

PART 2.0 - PRODUCTS

2.1 MATERIALS – PolyFlex by Performance Surfaces

- A. All flooring components shall be non-hazardous, and shall not contain ANY lead, mercury, heavy metals, PCB, or formaldehyde, and shall be supplied by Performance Surfaces.
- B. Physical Properties

| | | |
|-----------------------|---------------------|-------------|
| i. Surface Hardness | 81 Shore A +/- | |
| ii. System Type | Point Elastic | ASTM F 2772 |
| iii. Gloss | 3% to 7% | EN ISO 2813 |
| iv. Nominal Thickness | 6mm, 8mm, 9mm, 11mm | ASTM F 386 |
| v. Shock absorption | | |
| | 4+2 | 12 % |
| | 6+2 | 16 % |
| | 7+2 | 20 % |
| | | ASTM F 2772 |

- | | | | |
|-------|-----------------------------|-----------------------|---------------|
| | 9+2 | 28 % | ASTM F 2772 |
| vi. | Vertical Deformation | Pass-All Thicknesses | ASTM F 2772 |
| vii. | Coefficient of Friction | 86 | ASTM F 2772 |
| viii. | Ball rebound | 98% | ASTM F 2772 |
| ix. | Abrasion Resistance | ,26 grams | EN ISO 5470-1 |
| x. | Impact resistance | Pass- All Thicknesses | EN 1517 |
| xi. | Resistance to Indentation | Pass- All Thicknesses | EN 1516 |
| xii. | Resistance to rolling loads | 1500 N | EN 1569 |
| xiii. | Tensile strength | 2267 psi | DIN 53455 |
| xiv. | Elongation at break | 700% | DIN 53455 |
| xv. | Tear strength | 410 pli | DIN 53455 |
- C. Basemat Adhesive – Two-component polyurethane. NO SOLVENT CONTENT.
 - D. Basemat (Shock-pad) – Specially formulated prefabricated resilient basemat
Composed of recycled rubber and foam granules bound with MDI polyurethane and a consistent thickness.
 - 1. Basemat standard thickness – 7mm
 - i. Optional thicknesses
4mm, 5mm, 6mm, 7mm, 9mm
 - E. Seal Coat – Two-component, thixotropic polyurethane compound.
 - F. Wear Coat – Two-component, pigmented, seamless self-leveling polyurethane.
 - 1. Total thickness – 2 mm average throughout the floor.
 - G. Topcoat (matte finish) – Three-component waterborne urethane.
 - 1. Select from standard colors.
 - H. Game Line Paint – Three-component water-based urethane.
 - 1. Select from standard colors.

PART 3.0 – EXECUTION

3.1 INSPECTION

- A. Prior to inspection the area to receive PolyFlex shall be free from all construction materials and the concrete slab shall be broom cleaned by the general contractor.
 - 1. Concrete flatness and levelness: no deviations in excess of 1/8" when checked with a 10-foot straightedge. Report any discrepancies to the general contractor.
 - i. It shall be the responsibility of the General Contractor to grind high spots and fill low spots with an approved Portland Based Patching Compound to bring the slab within tolerance.
 - ii. Do not start installation until moisture test results are within requirements
- C. Installer (Flooring Contractor) shall document all working conditions and report any discrepancies to the General Contractor.

3.2 INSTALLATION

- A. Prepare the concrete to receive the flooring material in accordance with the PolyFlex installation instructions.
- B. Game Lines
 - 1. Use only high-quality masking tape.
 - 2. Layout and tape game lines and mask logos as indicated on drawings.
 - 3. Apply BLANK Gameline paint and Immediately pull tape

- C. Remove all excess and waste materials from the work area. Dispose of empty containers in accordance with federal and local statutes.

END OF SECTION 096566



PROJECT:
Willa D. Johnson Recreation Center
Project MP-0533

GENERAL ESTIMATE

WLM Job Number: #998 COR #21
DATE: 5/3/22

| PR#007 Pricing, RTU-3, and PEMB Fixes | | | MATERIAL | | LABOR | | SUBCONTRACTOR | |
|---|-----------|------|----------|------|--------|---------|---------------|----------|
| DESCRIPTION | QUANTITY | UNIT | UNIT | COST | UNIT | COST | UNIT | COST |
| Black Iron | | | | | | | | |
| Price for material and labor to install supports for RTU-07 ash shown in PR#007 | 1 | Bid | 0 | 0 | 0.00 | 0.00 | 2700 | 2700 |
| Price to fabricate and install RTU-3 Knifeplates as per RFI #085R | 1 | Bid | 0 | 0 | 0.00 | 0.00 | 540 | 540 |
| Price for material and labor to perform PEMB fixes due to the PEMB and the structural steel not aligning due to plan conflicts as per RFI#079 | 1 | Bid | 0 | 0 | 0.00 | 0.00 | 7200 | 7200 |
| Waggoners | | | | | | | | |
| Price for rerouting ductwork to accommodate rotating RTU-7 and changing the duct drops. | 1 | Bid | 0 | 0 | 0.00 | 0.00 | 6,830.49 | 6830.49 |
| WLM | | | | | | | | |
| Price for two workers for two days to take down PEMB girts | 32 | Hrs | 0 | 0 | 28.41 | 909.06 | 0 | 0 |
| General Conditions | | | | 0 | 0.00 | 0.00 | | 0 |
| As-Built drawings | 0 | hrs | | 0 | 71.02 | 0.00 | | 0 |
| Estimating | 0 | hrs | | 0 | 63.92 | 0.00 | | 0 |
| Supervision Full | 0 | days | | 0 | 390.61 | 0.00 | | 0 |
| Scheduling / Coordination | 0 | days | | 0 | 106.53 | 0.00 | | 0 |
| Pump water | 0 | days | | 0 | 177.55 | 0.00 | | 0 |
| Clean up (Full) | 0 | day | | 0 | 142.04 | 0.00 | | 0 |
| Clean up (1/2) | 0 | day | | 0 | 71.02 | 0.00 | | 0 |
| Cleaning Misc. Material | 0 | sf | 0.025 | 0 | 0.00 | 0.00 | | 0 |
| Dumpster (40 yd) | 0 | ea | 450 | 0 | 0.00 | 0.00 | | 0 |
| Punch List | 0 | day | | 0 | 390.61 | 0.00 | | 0 |
| Misc. Material | 0 | sf | 0.025 | 0 | 0.00 | 0.00 | | 0 |
| Job Trailer | 0 | mo | 350 | 0 | 0.00 | 0.00 | | 0 |
| Job Container | 0 | mo | 85 | 0 | 0.00 | 0.00 | | 0 |
| Site Office Phone/Fax | 0 | mo | 150 | 0 | 0.00 | 0.00 | | 0 |
| Site Cell Phone | 0 | wks | 12.5 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Toilet | 0 | wks | 150 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Utilities | 0 | mo | 250 | 0 | 0.00 | 0.00 | | 0 |
| Temp. Construction Fence | 0 | mo | 595 | 0 | 0.00 | 0.00 | | 0 |
| Builder's Risk | 0 | mo | 1162 | 0 | 0.00 | 0.00 | | 0 |
| | | | | 0 | 0.00 | 0.00 | | 0 |
| subtotal | | | | 0 | | 909.06 | | 17270.49 |
| taxes | | | | 0 | | | | |
| total | 18179.546 | | | 0 | | 909.056 | | 17270.49 |

| | | | | |
|---|-----|-----|-----------|--|
| General Contractor Material & Labor Total | | | 909.06 | Scope of work: |
| Subcontractor Material & Labor Total | | | 17270.49 | Install structural steel and ductwork as per |
| Overhead on Work Performed | 10% | | 1817.95 | PR#007, RFI#085 and RFI#079 |
| Profit on Work Performed | 5% | | 908.98 | |
| Total Project Cost to be insured | | | 20906.48 | |
| General Liability, Bonds | | | 557.99 | |
| | | | | Pricing and Added Time subject to change |
| | | | | if not approved by: 5/17/22 |
| | | | | |
| | | | | This work impacts the project completion date. |
| | | | | If accepted, this Change Order Request will |
| | | | | increase the project by: 30 Day(s) |
| subtotal | | | 21464.47 | |
| | | | | |
| Total Change Order | | ADD | \$ 21,464 | |

Acceptance by an Authorized Representative

Signature

By accepting this Proposed Cost Change, authorization is being given to proceed with this proposed scope of work and the change in contract time as noted above is approved.





Change Order

TO: Austin Benefield

DATE: Friday, April 29th, 2022

RE: Willa D Johsnon Rec Facility

Reason for Request:

RTU-7 - Labor

| | |
|-------|------------|
| 1 | \$2,000.00 |
| | |
| | |
| | |
| Total | \$2,000.00 |



Change Order

TO: Austin Benefield

DATE: Friday, April 29th, 2022

RE: Willa D Johsnon Rec Facility

Reason for Request:

RTU - 7 - 40' 6x4x3/8 material

| | |
|-------|----------|
| 1 | \$700.00 |
| | |
| | |
| | |
| Total | \$700.00 |



Change Order

TO: Austin Benefield

DATE: Friday, April 29th, 2022

RE: Willa D Johsnon Rec Facility

Reason for Request:

RTU-3 Moved Clips

| | |
|--------------|-----------------|
| 6 hours | \$540.00 |
| | |
| | |
| | |
| Total | \$540.00 |



Change Order

TO: Austin Benefield

DATE: Friday, April 29, 2022

RE: Willa D Johsnon Rec Facility

Reason for Request:

East side metal building modifications.

| | |
|--------------|-------------------|
| 80 hrs | \$7,200.00 |
| | |
| | |
| | |
| Total | \$7,200.00 |



Change Order

TO: Austin Benefield

DATE: Tuesday, May 3, 2022

RE: Willa D Johnson Rec Facility

Reason for Request:

PEMB Modifications

| | |
|---------------|-----------------|
| 14-Apr | 6 hours |
| 15-Apr | 8 hours |
| 22-Apr | 20 hours |
| 25-Apr | 20 hours |
| 26-Apr | 26 hours |
| Total | 80 hours |

Ph: 405-515-8200
 www.Waggonershvac.com
 1351 E. Indian Hills,
 Norman OK



Mechanical Services LLC

Change Order

| Job Name | Date: | CO # | Revision | | | |
|---|-------|-------------|---------------|-------------------|---------------|---------------|
| Willa D Johnson Rec Center | 3-May | 5 | n/a | | | |
| Per RFI 085- reroute of ductwork to accommodate rotation if RTU-7 changing the duct drops. | | | | | | |
| Labor | Hrs | Rate | Subtotal | P/O 15% | Total | |
| Rerouted Ductwork | | | | | | |
| Journeyman | 45.0 | \$ 55.00 | \$ 2,475.00 | \$ 371.25 | \$ 2,846.25 | |
| Apprentice | 45.0 | \$ 30.00 | \$ 1,350.00 | \$ 202.50 | \$ 1,552.50 | |
| Deducted Ductwork | | | | | | |
| Journeyman | -24.2 | \$ 55.00 | \$ (1,331.00) | \$ (199.65) | \$ (1,530.65) | |
| Apprentice | -24.2 | \$ 30.00 | \$ (726.00) | \$ (108.90) | \$ (834.90) | |
| Administrative | | | | | | |
| Foreman | 5.0 | \$ 65.00 | \$ 325.00 | \$ 48.75 | \$ 373.75 | |
| Office | 3.0 | \$ 40.00 | \$ 120.00 | \$ 18.00 | \$ 138.00 | |
| Material | Qty | Unit Price | Tax | Subtotal | P/O 15% | Total |
| Sheet Metal Duct | 1.0 | \$ 7,027.43 | \$ - | \$ 7,027.43 | \$ 1,054.12 | \$ 8,081.55 |
| Sheet Metal Duct Credit | -1.0 | \$ 3,475.87 | \$ - | \$ (3,475.87) | \$ (521.39) | \$ (3,997.26) |
| Admin | | Rate | | Subtotal | P/O 15% | Subtotal |
| Shop Drawings | | \$ 175.00 | | \$ 175.00 | \$ 26.25 | \$ 201.25 |
| | P/O | 15% | \$ 891.00 | SubTotal | | \$ 6,830.49 |
| Total | | | | \$6,830.49 | | |
| The following items, unless specifically included above are EXCLUDED from this proposal: | | | | | | |
| General Exclusions: | | | | | | |
| ***Same as Contract Drawings*** | | | | | | |
| To accept this Proposal, Sign and Return: | | | | | | |
| Authorized Representative: | | | | | Date: | |
| All work to be completed in to industry standards. Any items excluded are not considered part of this Change Order. Price is valid for 30 days. | | | | | | |