INVITATION FOR BIDS
IFB2022-RWR01
GENERAL CONTRACTOR FOR
THE RENAISSANCE AT WASHINGTON RIDGE, THE MANOR AT WASHINGTON RIDGE AND LAKE RIDGE COMMUNITY

The Housing Authority of the City of Lakeland (also known as the Lakeland Housing Authority or LHA) acting for itself and/or for its various instrumentalities and affiliates will accept sealed bids from licensed general contractors for the **Repainting of 54 Previously Painted Exteriors (excluding the senior building) and the Reroofing of 55 Buildings within The Renaissance at Washington Ridge and Lake Ridge Communities** located at 1500 N. New York Avenue, Lakeland, FL. 33805. The bidding contractor must have, at least, five (5) years' experience in reroofing and repainting in commercial and/or multi-family structures to be considered for this bid. The complete Bid Package may be obtained by emailing your request to ***Leyer@lakelandhousing.org***.

All bids must be submitted by **10:00 a.m., Eastern Time,** on **August 29, 2022,** at which time, bids will be publicly opened and read aloud at **The Lakeland Housing Authority** located at 430 Hartsell Ave. Lakeland, Florida 33815. Any bid received after this closing time will not be considered.

Minority and Woman Business Enterprises (MBE/WBE) and Section 3 firms are strongly encouraged to respond to this and all LHA projects, programs, and services.

There will be a Pre-Bid Conference on **Wednesday, August 17, 2022, at 9:am.,Eastern Time.** The conference will be held at the **Emma Turner Center** located at 1500 N. New York Ave, Lakeland Florida 33805.

PROJECT OVERVIEW

The Housing Authority of the City of Lakeland (also known as the Lakeland Housing Authority or LHA) is a public body corporate and politic established in 1939 under the U.S. Housing Act of 1937 and Chapter 421, Florida Statutes. The LHA acting for itself and/or its various instrumentalities and affiliates will accept sealed bids from General Contractors for the following projects:

- Installation of new roofs at 55 buildings.
- Exterior Painting of 54 buildings. ***Note that the 3-story Senior Building is not included within the statement of work Exterior Painting***.

The Project consist of a 196-unit apartment complex comprised of semi-detached multifamily buildings, walkup multifamily buildings, a 3-story elevator building for seniors, and a 1-story community center. Accordingly, the Project has four (4) separate service locations as listed within the following Tables.

RENAISSANCE AT WASHINGTON RIDGE, LTD., LLLP Lake Ridge Community				
Item #	**Building**	**Building/Unit Name**	**Address**	**Units**
1	000	Site	Not Applicable	0
2	001	001	420 5th St	1
3	002	002	1181 – 1187 MLK Blvd	4
4	003	003	1175 – 1177 MLK Blvd	2
5	004	004	491 – 493 4th St	2
6	005	005	492 – 494 4th St	2
7	006	006	484 – 486 4th St	2
8	007	007	1141 – 1147 MLK Blvd	4
9	008	008	1133 – 1135 MLK Blvd	2
10	009	009	1123 – 1129 MLK Blvd	4
11	010	010	421 – 423 W. 2nd St	2
12	011	011	415 – 417 W. 2nd St	2
13	012	012	407 – 409 W. 2nd St	2
			Total Lake Ridge Units	**29**

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RENAISSANCE AT WASHINGTON RIDGE, LTD., LLLP Renaissance Family				
Item #	**Building**	**Building/Unit Name**	**Address**	**Units**
1	000	Site	Not Applicable	0
2	012	Office Bldg.	1500 N. New York Ave **(Emma Turner Community Center)**	0
3	013	013	1515 – 1517 N. New York Ave	2
4	014	014	1525 – 1527 N. New York Ave	2
5	015	015	1540 – 1542 Hawkins Way	2
6	016	016	1562 – 1564 Hawkins Way	2
7	017	017	245 Whitehurst St	1
8	018	018	249 West 14 St	1
9	019	019	1420 N. New York Ave	1
10	020	020	1536 Hawkins Way	1
11	021	021	1550 Hawkins Way	1
12	022	022	311 – 313 W. 10th St	2
13	023	023	231 – 233 W. 14th St	2
14	024	024	240 – 242 W. 14 St	2
15	025	025	263 – 265 W. 14th St	2
16	026	026	1556 – 1558 Hawkins Way	2
17	027	027	1433 – 1435 N. New York Ave	2
18	028	028	1453 – 1455 N. New York Ave	2
19	029	029	1473 – 1475 N. New York Ave	2
20	030	030	1505 – 1507 N. New York Ave	2
21	031	031	1535 – 1537 N. New York Ave	2
22	032	032	231 – 233 Whitehurst St	2
23	033	033	232 – 234 Whitehurst St	2
24	034	034	242 – 244 Whitehurst St	2
25	035	035	110 – 116 W. Crawford St	4
26	036	036	111 – 117 W. 14th St	4
27	037	037	121 – 127 W. 14th St	4
28	038	038	201 – 207 W. 10th St	4
29	039	039	202 – 208 Whitehurst St	4
30	040	040	211 – 217 W. 10th St	4
31	041	041	301 – 307 W. 10th St	4
32	B-00019	B-00019	1450 – 1452 N. New York Ave	2
33	B-0002	B-0002	202 – 204 W. Crawford St.	2
34	B-00024	B-00024	1460 – 1462 N. New York Ave	2
35	B-0003	B-0003	241 – 243 W. 14th St.	2
36	B-0004	B-0004	255 – 257 W. 14th St.	2
37	B-0005	B-0005	317 – 319 W. 10th St.	2
38	B-0007	B-0007	1423 – 1425 N. New York Ave	2
39	B-0008	B-0008	1440 – 1442 N. New York Ave	2
40	B-00029	B-00029	1463 – 1465 N. New York Ave	2
41	B-0006	B-0006	1413 – 1415 N. New York Ave	2
42	B-0009	B-0009	1443 – 1445 N. New York Ave	2
			Total Renaissance Family Units	**89**

RENAISSANCE AT WASHINGTON RIDGE, LTD., LLLP The Manor at Washington Oaks				
Item #	**Building**	**Building/Unit Name**	**Address**	**Units**
1	000	Site	Not Applicable	0
2	001	Senior Building	1450	78
			Total The Manor at Washington Oaks Units	**78**

TOTAL RENAISSANCE AT WASHINGTON RIDGE, LTD., LLLP	**196**

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EXTERIOR REROOFING OF 55 BUILDINGS STATEMENT OF WORK	
Service Locations:	**Lake Ridge Community, Renaissance Family, The Manor at Washington Oaks, and Emma Turner Community Center**

1. The successful bidder(s), in a professional manner, will provide the following specifications as well as any other tasks and materials usual and customary to this type of work. The existing roof system, insulation, flashings, and related trims shall be completely removed to the original decking and legally disposed.

    - Metal roof on the main office known as the Emma Turner Community Center located at 1500 N. New York Avenue, Lakeland, Florida.
    - Layout, fabricate, overlap, and secure asphalt shingles per manufacturer instructions on remaining buildings.
    - Install drip edge/eave trim.
    - Install valley flashing.
    - Install roofing paper/membrane.
    - Replace deteriorated wood, framing, and sheathing.
    - Clean work area of job-related debris upon completion of project.
    - Load and haul-off job-related debris.
    - Provide a written 20-year manufacturer's warranty on the metal roof.
    - Provide a written 15-year manufacturer's warranty on the shingles.
    - Provide 10-year labor warranty.
      ** The color, which will be the same for each building, will be LHA's choice.*

2. The successful bidder(s) shall upgrade the existing roof to comply with all of the latest governmental codes and regulations. The costs of these upgrades shall be included in the total bid price indicated on the bidder's submitted Bid Form.

3. The successful bidder(s) will provide all customary and necessary services whether or not indicated herein.

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PREVIOUSLY PAINTED EXTERIOR OF 54 BUILDINGS STATEMENT OF WORK	
Service Locations:	**Lake Ridge Community, Renaissance Family, and Emma Turner Community Center**

1. The work in general includes: surface preparation, surface repairs, caulking, sealants, patching, and application of the paint coating to the substrates and systems as outlined in the attached **Sherwin Williams Specifications**.
    - The painting contractor shall purchase all paint and associated products to complete the specified job and will pay for all materials purchased for the specified job.
    - The contractor shall execute the work in accordance with label directions.
    - All materials to be used are from the Sherwin-Williams Company or an LHA approved equivalent. **The Bidder must submit the specifications of the desired substitute product(s) for the LHA's approval with its submitted Bid Form**.
    - The contractor will be responsible for site-clean up as well as hauling-off any painting-related debris including but not limited to paint containers, tape, plastic sheeting, etc.
    - All paints shall be delivered to the property in the original container with the manufacturer's label intact.
    - Color scheme will be provided in the award contract.

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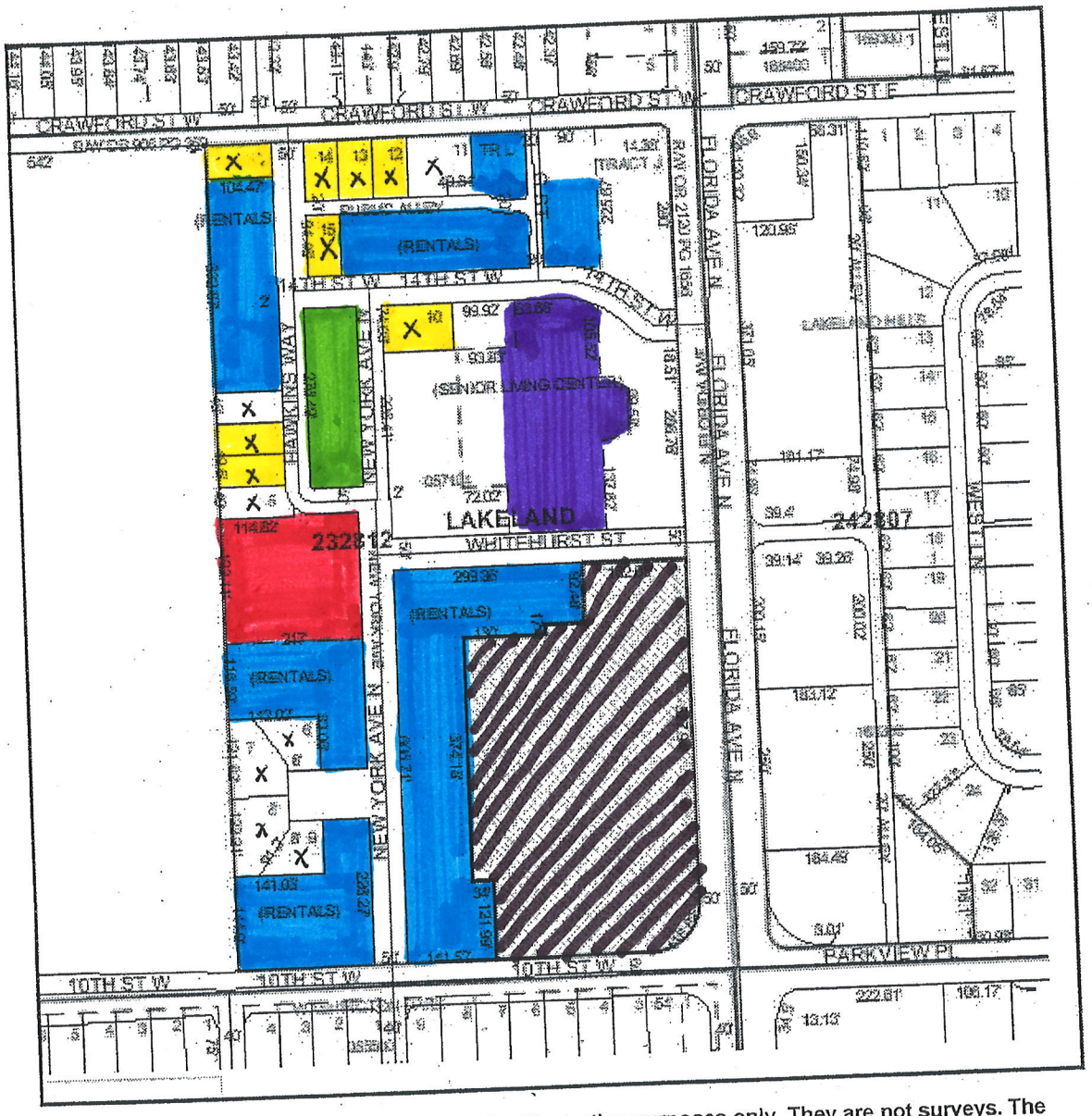
Polk County Property Appraiser :: Internet Mapping

Polk County Property Appraiser

Internet Mapping



DISCLAIMER: All maps are worksheets used for illustrative purposes only. They are not surveys. The information is provided "as is."

"X" on Vacant parcels

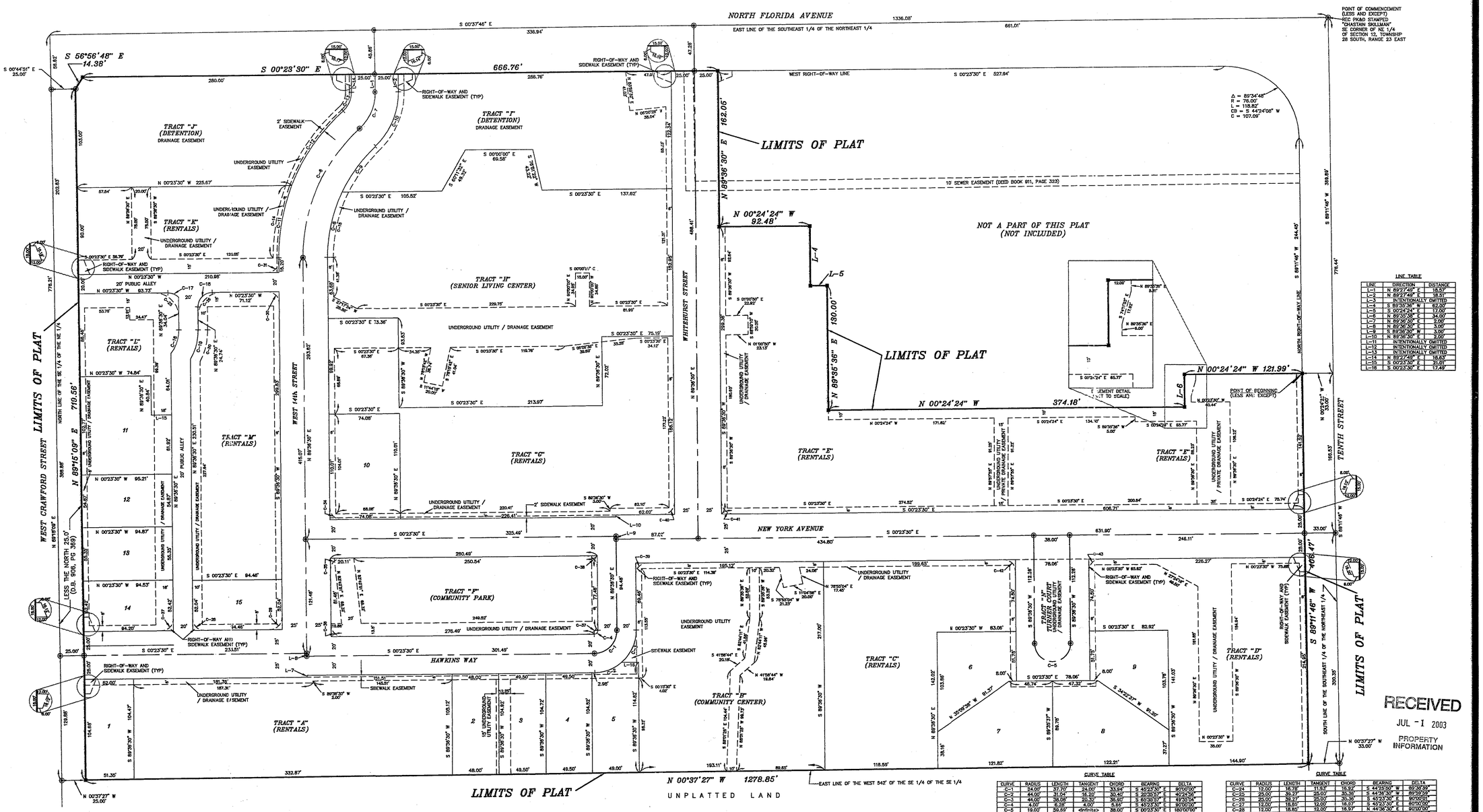
- The Manor at Washington Oaks (Senior Facility)
- Vacant Parcels for Alternative Development (ADP) Phase
- Washington Oaks Rental Units
- Emma Turner Community Center
- Community Park
- Commerical Corner

WASHINGTON PARK RENAISSANCE

PLAT BOOK 122
PAGE 17
SHEET 2 OF 2

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

A SUBDIVISION BEING A PORTION OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 28 SOUTH, RANGE 23 EAST, CITY OF LAKELAND, POLK COUNTY, FLORIDA



LINE TABLE

LINE	DIRECTION	DISTANCE
L-1	N 89°27'49" E	18.57'
L-2	N 89°27'49" E	18.01'
L-3	INTENTIONALLY OMITTED	
L-4	S 89°36'36" W	69.00'
L-5	S 00°24'24" E	17.00'
L-6	N 89°36'36" E	34.00'
L-7	N 89°36'30" E	2.00'
L-8	S 89°36'30" W	5.00'
L-9	S 89°36'30" W	3.00'
L-10	N 89°36'30" E	2.00'
L-11	INTENTIONALLY OMITTED	
L-12	INTENTIONALLY OMITTED	
L-13	INTENTIONALLY OMITTED	
L-14	N 89°27'49" E	18.63'
L-15	S 00°23'30" E	31.01'
L-16	S 00°23'30" E	17.49'

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-1	44.00'	37.70'	24.50'	33.64'	S 48°23'30" E	90°00'00"
C-2	44.00'	31.04'	16.21'	30.41'	S 20°32'57" E	40°24'56"
C-3	44.00'	38.08'	20.32'	36.60'	S 60°23'30" E	49°35'04"
C-4	4.00'	6.28'	4.00'	5.66'	S 45°23'30" E	90°00'00"
C-5	19.00'	29.83'	19.00'	26.87'	S 45°23'30" E	180°00'00"
C-6	180.00'	150.13'	79.74'	145.82'	S 16°29'06" E	47°47'30"
C-7	51.00'	42.57'	22.67'	41.43'	S 66°34'16" E	47°48'01"
C-8	155.00'	59.70'	30.49'	59.30'	S 77°29'06" E	22°04'48"
C-9	155.00'	59.49'	30.12'	59.13'	S 53°30'06" E	21°59'19"
C-10	76.00'	63.59'	33.78'	61.74'	S 66°34'16" E	47°56'01"
C-11	205.00'	75.51'	38.24'	75.12'	S 78°41'36" E	21°06'47"
C-12	205.00'	94.43'	48.06'	93.59'	S 55°47'06" E	26°23'00"
C-13	26.00'	21.75'	11.56'	21.12'	S 66°34'16" E	47°56'01"
C-14	211.00'	78.46'	38.85'	78.04'	S 80°00'18" E	21°18'46"
C-15	149.00'	70.00'	35.66'	69.36'	S 76°52'59" E	26°55'00"
C-16	40.00'	20.31'	13.65'	20.84'	S 71°32'00" E	29°05'00"
C-17	15.00'	12.35'	8.55'	12.00'	N 23°11'07" E	47°09'13"
C-18	15.00'	23.56'	15.00'	21.21'	N 45°23'30" W	90°00'01"
C-19	60.00'	52.02'	28.40'	51.84'	N 73°36'06" W	49°40'48"
C-20	70.00'	34.53'	17.61'	34.18'	N 76°12'37" W	28°15'24"
C-21	13.00'	18.63'	12.02'	17.02'	S 40°34'10" E	90°01'21"
C-22	12.00'	18.78'	11.93'	16.92'	N 44°25'50" E	89°58'39"
C-23	12.00'	18.82'	12.07'	17.02'	S 45°34'10" E	90°01'21"

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-24	12.00'	18.78'	11.93'	16.92'	S 44°25'50" W	89°36'39"
C-25	25.00'	39.27'	25.00'	35.36'	S 44°36'30" W	89°59'59"
C-26	25.00'	39.27'	25.00'	35.36'	S 45°23'30" E	90°00'01"
C-27	12.00'	18.85'	12.00'	16.97'	S 45°23'30" E	90°00'00"
C-28	12.00'	18.85'	12.00'	16.97'	N 44°36'30" E	90°00'00"
C-29	13.00'	20.42'	13.00'	18.39'	N 45°23'30" W	90°00'00"
C-30	12.00'	18.85'	12.00'	16.97'	N 44°36'30" E	90°00'00"
C-31	13.00'	18.85'	12.00'	16.97'	S 45°23'30" E	90°00'00"
C-32						
C-33						
C-34	12.00'	18.85'	12.00'	16.97'	N 44°36'30" E	90°00'00"
C-35	12.00'	18.85'	12.00'	16.97'	S 45°23'30" E	90°00'00"
C-36	12.00'	18.85'	12.00'	16.97'	S 44°36'30" W	90°00'00"
C-37	12.00'	18.85'	12.00'	16.97'	S 45°23'30" E	90°00'00"
C-38	12.00'	18.85'	12.00'	16.97'	S 44°36'30" W	90°00'00"
C-39	12.00'	18.85'	12.00'	16.97'	S 45°23'30" E	90°00'00"
C-40	13.00'	20.42'	13.00'	18.39'	S 45°23'30" E	90°00'00"
C-41	13.00'	20.42'	13.00'	18.39'	N 44°36'30" E	90°00'00"
C-42						
C-43	12.00'	18.85'	12.00'	16.97'	S 44°36'30" W	90°00'00"
C-44	12.00'	18.85'	12.00'	16.97'	S 45°23'30" E	90°00'00"

LEGEND:

■ = Permanent Reference Monument (P.R.M.) stamped "CHASTAIN-SKILLMAN PRM LB-262"
◉ = Permanent Control Point (P.C.P.) stamped "CHASTAIN-SKILLMAN LB-262"
Δ = Delta
R = Radius
⌒ = Arc Length
CB = Chord Bearing
C = Chord Distance

SURVEYOR'S NOTES:

Bearings based on the south line of the Southeast 1/4 of the Northeast 1/4 of Section 12, Township 28 South, Range 23 East, Polk County, Florida, being assumed South 89°11'46" West.

NOTICE: This plat, as recorded in its graphic form, is the official depiction of the subdivided lands described hereon and will in no circumstances be supplanted in authority by any other graphic or digital form of the plat. There may be additional restrictions that are not recorded in this plat that may be found in the public records of this county.

SURVEYOR'S NOTES: (continued)

The RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC., shall be responsible for maintenance of vegetation in the road right-of-way. Lands in the vicinity of the road right-of-way, drainage swales and drainage easements may be subject to temporary standing water when conditions decrease the rate of percolation and drainage run-off.

All lot lines are not radial unless noted otherwise.

SURVEYOR'S NOTES: (continued)

The property shown herein lies in Zone "X" (area determined to be outside 500-year floodplain) as shown on the flood insurance rate map number 12105C0315 F, per Community Panel Number 120267 0315 F and map number 12105C0304 F, per Community Panel Number 120267 0304 F, as prepared by the Federal Emergency Management Agency, effective date December 20, 2000.

Maintenance of all Tracts "A" through "N", inclusive, is to be the responsibility of the RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC.

All utility easements shown hereon are "public utility easements".

PLAT PREPARED BY:
CHASTAIN-SKILLMAN, INC.
Danny R. Gann, P.S.M.
4705 OLD STATE ROAD 37
LAKELAND, FLORIDA 33813
(863) 646-1402

WASHINGTON PARK RENAISSANCE

PLAT BOOK 122
PAGE 16
SHEET 1 OF 2

A SUBDIVISION BEING A PORTION OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 28 SOUTH, RANGE 23 EAST, CITY OF LAKELAND, POLK COUNTY, FLORIDA

DEDICATION:

STATE OF FLORIDA
COUNTY OF POLK

Know all men by these presents that THE HOUSING AUTHORITY OF THE CITY OF LAKELAND, owner of the lands described hereon, has caused this plat of "WASHINGTON PARK RENAISSANCE" to be made and by the authority of its board of directors hereby dedicates, except as otherwise indicated herein, to the perpetual use of the public forever, all public utility and drainage easements shown hereon, subject to the restrictions of record. Roadways and alleys depicted on this plat are dedicated to the public. THE HOUSING AUTHORITY OF THE CITY OF LAKELAND expressly reserves the right to grant or dedicate additional easements, including easements for the construction, installation, maintenance and operation of cable television services in the manner and subject to the provisions of Section 177.091(29) of Florida Statues, (1994), provided, however, to the extent allowable by such Section 177.091(29), only cable television service providers specifically authorized by the Developer to serve the land shown on the plat shall have the benefit of said cable service easements, within and beneath the dedication areas, provided any facilities used or installed pursuant to such additional grants or dedications do not unreasonably interfere with the rights and easements herein dedicated to the public.

The RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC. shall be responsible for maintenance of the drainage system, parking areas, and driveways. The City shall be responsible for maintenance of the roadway, sidewalks, and alleys located in public right of ways. No permanent parking spaces shall be allowed in the right of way. While the City is not responsible for maintenance of the drainage system they shall retain the right to enter drainage easements or tracts and perform maintenance on the system, as needed, to protect the roadways from damage or flooding. The RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC. will be responsible to maintain the drainage system and vegetation in the areas designated as retention areas, drainage swales, and drainage easements and for retaining the design unchanged where not on private property. Private property owners will be responsible to maintain vegetation in drainage easements and for retaining the design unchanged on the portion of the drainage system within their property.

Witness the corporation name and seal of said corporation this 20 day of May A.D. 2003.

Signed, sealed and delivered in the presence of:

Witness

Witness

The Housing Authority of the City of Lakeland
By:
Herbert Hernandez
Executive Director

ACKNOWLEDGEMENT:

STATE OF FLORIDA
COUNTY OF POLK

The foregoing instrument was acknowledged before me this 20 day of MAY, 2003, by Herbert Hernandez, Executive Director of The Housing Authority of the City of Lakeland, who is personally known to me or who has produced _____, as identification and who did (did not) take an oath.

LINDA K. VITALE
My Comm Exp. 6/18/04
No. CC 946193
Personally Known ( ) Other I.D.

Notary Public
Name: Linda K. Vitale
Commission Expires: 6/18/04
Commission No.: CC 946193

CLERK OF CIRCUIT COURT CERTIFICATE:

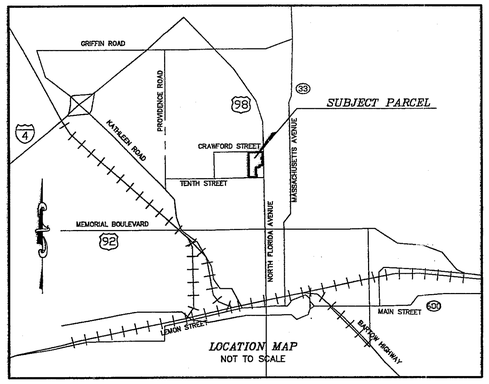
STATE OF FLORIDA
COUNTY OF POLK

I, Richard M. Weiss, Clerk of the Circuit Court of Polk County, Florida, do hereby certify that this plat has been accepted for recording this _____ day of _____, A.D. 2003.

Clerk of Circuit Court

PLAT PREPARED BY:

CHASTAIN-SKILLMAN, INC.
Danny R. Gann, P.S.M.
4705 OLD STATE ROAD 37
LAKELAND, FLORIDA 33813
(863) 646-1402



FIRST MORTGAGE LENDER'S APPROVAL

STATE OF GEORGIA
COUNTY OF FULTON

This plat is hereby approved by SunTrust Bank, a Georgia banking corporation, this 30 day of May, 2003.

SUNTRUST BANK, a Georgia banking corporation

BY: Ed Fahy
Print Name: ED FAHY
Title: Vice President

SECOND MORTGAGE LENDER'S APPROVAL

STATE OF FLORIDA
COUNTY OF POLK

This plat is hereby approved by The Housing Authority of the City of Lakeland, Florida, a public body corporate and politic organized under the laws of the State of Florida, this 20 day of May, 2003.

THE HOUSING AUTHORITY OF THE CITY OF LAKELAND, FLORIDA

BY: _____
Print Name: Herbert Hernandez
Title: Executive Director

DESCRIPTION:

The Southeast 1/4 of the Northeast 1/4 of Section 12, Township 28 South, Range 23 East, Polk County, Florida, LESS the West 542 feet, and also LESS a strip of land off the East and being 50 feet wide at the South end and 44.03 feet wide on the North and having a length of 1335.46 feet. said land being situate in Polk County, Florida.

LESS AND EXCEPT property conveyed to City of Lakeland in Deed Book 906, Page 369, Public Records of Polk County, Florida.

LESS AND EXCEPT

A parcel of land being a portion of the Southeast 1/4 of the Northeast 1/4 of Section 12, Township 28 South, Range 23 East, Polk County, Florida, being described as follows:

Commence at the southeast corner of said Southeast 1/4 of the Northeast 1/4; thence South 89°11'46" West, along the south line of said Southeast 1/4 of the Northeast 1/4, a distance of 369.89 feet; thence North 00°24'23" West, 33.00 feet to a point on the north right-of-way line of Tenth Street and the Point of Beginning; thence continue North 00°24'24" West, 121.99 feet; thence South 89°35'38" West, 34.00 feet; thence North 00°24'24" West, 374.18 feet; thence North 89°35'36" East, 130.00 feet; thence North 00°24'24" West, 17.00 feet; thence North 89°35'36" East, 62.00 feet; thence North 00°24'24" West, 92.48 feet; thence North 89°36'30" East, 162.05 feet to a point on the west right-of-way line of North Florida Avenue; thence South 00°23'30" East, along said west right-of-way line, 527.94 feet to a point on a non-tangent curve to the right having a radius of 76.00 feet, a central angle of 89°34'48", a chord bearing of South 44°24'08" West, and a chord distance of 107.09 feet; thence southwesterly along the arc of said curve and west right-of-way line, 118.82 feet to the north right-of-way line of Tenth Street; thence South 89°11'46" West, along said north right-of-way line, 244.45 feet to the Point of Beginning.

LESS AND EXCEPT right-of-way for Tenth Street as recorded in Official Records Book 1292, Page 648, Public Records of Polk County, Florida.

LESS AND EXCEPT the right-of-way for State Road 35/700 (North Florida Avenue) as recorded in Official Records Book 2120, Page 1656, Public Records of Polk County, Florida.

TOGETHER WITH that parcel of land recorded in Official Records Book 4833, Page 1617, Public Records of Polk County, Florida.

GROUND LEASE TENANT'S APPROVAL:

DISTRICT OF COLUMBIA

This plat is hereby approved by Renaissance at Washington Ridge, Ltd., LLLP, a Florida limited liability limited partnership, this 7th day of May, 2003.

RENAISSANCE AT WASHINGTON RIDGE, LTD., LLLP, A FLORIDA LIMITED LIABILITY LIMITED PARTNERSHIP

BY: TCG WASHINGTON RIDGE, LLC, A FLORIDA LIMITED LIABILITY COMPANY

BY: _____
Jaime Bordenave, Manager

CORPORATION

SURVEYOR

CITY COMMISSION

CLERK OF CIRCUIT COURT

CITY OF LAKELAND APPROVAL:

STATE OF FLORIDA
COUNTY OF POLK
CITY OF LAKELAND

This plat is hereby approved by the City of Lakeland Planning and Zoning Board this 6 day of JUNE, A.D. 2003.

Vice Chairman

CITY MANAGER APPROVAL:

STATE OF FLORIDA
COUNTY OF POLK
CITY OF LAKELAND

This plat is hereby approved on behalf of the Lakeland City Commission, pursuant to City Ordinance No. 3412 This 6th day of JUNE A.D. 2003.

Roger D. Haar, City Manager

SURVEYOR'S CERTIFICATE:

STATE OF FLORIDA
COUNTY OF POLK

I hereby certify that this plat entitled " WASHINGTON PARK RENAISSANCE" is a true and correct representation of the lands surveyed and platted under my direction and supervision, and this plat complies with the State of Florida Department of Business and Professional Regulation, Board of Professional Land Surveyors, Chapter 177, Florida Statutes. I also certify that the Permanent Reference Monuments have been set and that Permanent Control Points have been set or will be set in accordance with Chapter 177, Florida Statutes.

6 MAY 2003
Date of Certification

Danny R. Gann, P.S.M.
Florida Registration #6188
CHASTAIN-SKILLMAN, INC.
Certificate Number LB 262
4705 Old Highway 37
Lakeland, Florida 33813
(863) 646-1402

CITY SURVEYOR'S CERTIFICATE:

STATE OF FLORIDA
COUNTY OF POLK
CITY OF LAKELAND

This Plat has been reviewed and found to be substantially in compliance with the provisions of Chapter 177, Florida Statutes, relating to the making of maps and plats. This 29th day of May, 2003.

Henley Lee Burton, P.L.S.
Florida Registration # 4389
City Surveyor -- City of Lakeland
228 S. Massachusetts Avenue
Lakeland, Florida 33801

APPLICANT: The Housing Authority of the City of Lakeland
Mr. Herbert Hernandez, Executive Director
430 South Hartsell Avenue
Lakeland, Florida 33802-1009
(863) 687-2911

OWNER: The Housing Authority of the City of Lakeland
Mr. Herbert Hernandez, Executive Director
430 South Hartsell Avenue
Lakeland, Florida 33802-1009
(863) 687-2911

L A K E R I D G E

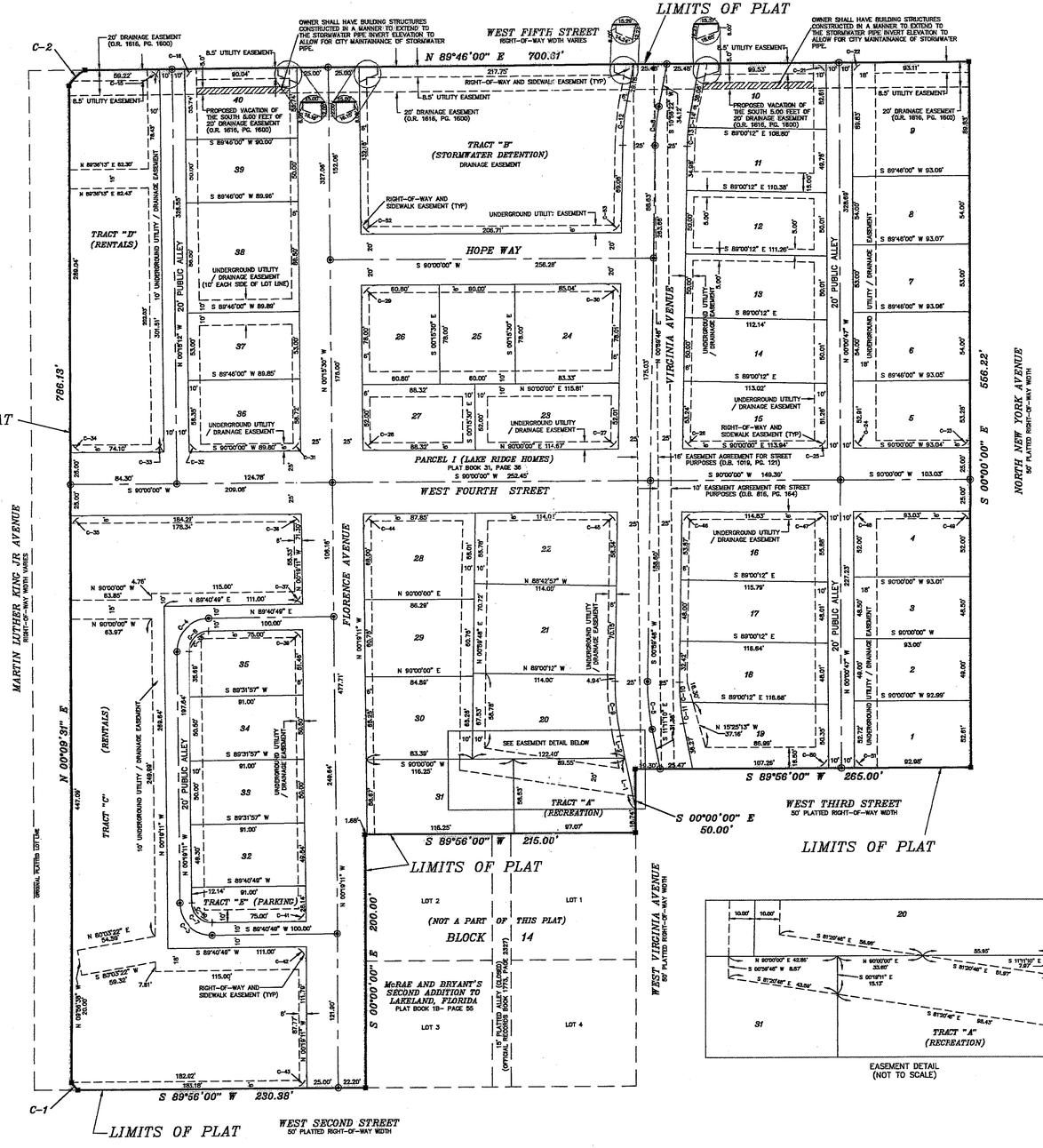
A REPLAT OF LAKE RIDGE HOMES, RECORDED IN PLAT BOOK 31, PAGE 36, PUBLIC RECORDS OF POLK COUNTY, FLORIDA, BEING IN SECTION 12, TOWNSHIP 28 SOUTH, RANGE 23 EAST, CITY OF LAKELAND, POLK COUNTY, FLORIDA

PLAT BOOK 122
PAGE 15
SHEET 2 OF 2

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



EASEMENT DETAIL
(NOT TO SCALE)

LEGEND:

- ■ = Permanent Reference Monument (P.R.M.) stamped "CHASTAIN-SKILLMAN PRM LB-262"
- ⊕ = Permanent Control Point (P.C.P.) stamped "CHASTAIN-SKILLMAN LB-262"
- Δ = Delta
- R = Radius
- L = Arc Length
- CB = Chord Bearing
- C = Chord Distance
- O.R. = Official Records Book
- D.B. = Deed Book
- PG. = Page

SURVEYOR'S NOTES:

Bearings based on the north line of the plat of LAKE RIDGE HOMES, as recorded in Plat Book 31, Page 36, Public Records of Polk County, Florida, being North 89°46'00" East.

NOTICE: This plat, as recorded in its graphic form, is the official depiction of the subdivided lands described hereon and will in no circumstances be supplanted in authority by any other graphic or digital form of the plat. There may be additional restrictions that are not recorded in this plat that may be found in the public records of this county.

The RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC. shall be responsible for maintenance of vegetation in the road right-of-way. Lands in the vicinity of the road right-of-way, drainage swales and drainage easements may be subject to temporary standing water when conditions decrease the rate of percolation and drainage run-off.

All lot lines are not radial unless noted otherwise.

The property shown herein lies in Zone "X" (area determined to be outside 500-year floodplain) as shown on the flood insurance rate map number 1210SC0315 F, per Community Panel Number 120267 0315 F as prepared by the Federal Emergency Management Agency, effective date December 20, 2000.

Maintenance of all Tracts "A" through "E", inclusive, is to be the responsibility of the RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC.

All utility easements shown hereon are "public utility easements".

LINE TABLE

LINE	DIRECTION	DISTANCE
L-1	S 11°11'10" E	40.45'
L-2	S 11°11'10" E	17.86'

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-1	24.50'	7.65'	3.86'	7.62'	N 39°47'32" W	17°53'47"
C-2	29.50'	17.74'	9.15'	17.47'	N 45°34'43" E	34°27'10"
C-3	26.00'	40.84'	26.00'	36.77'	N 45°19'11" W	90°00'00"
C-4	26.00'	40.84'	26.00'	36.77'	N 44°40'49" E	90°00'00"
C-5	180.00'	38.27'	19.21'	38.20'	S 05°05'41" E	12°10'58"
C-6	180.00'	31.24'	15.66'	31.20'	N 05°58'05" E	09°56'34"
C-7	16.00'	25.13'	16.00'	22.63'	N 45°19'11" W	90°00'00"
C-8	16.00'	25.13'	16.00'	22.63'	N 44°40'49" E	90°00'00"
C-9	205.00'	43.33'	21.75'	43.25'	S 08°07'51" E	12°06'37"
C-10	155.00'	15.61'	7.81'	15.60'	S 01°57'53" E	05°46'07"
C-11	155.00'	17.09'	8.56'	17.09'	S 08°00'30" E	06°19'06"
C-12	205.00'	35.57'	17.83'	35.53'	N 05°58'05" E	09°56'34"
C-13	155.00'	14.79'	7.40'	14.78'	N 03°43'48" E	05°28'00"
C-14	155.00'	12.11'	6.06'	12.11'	N 08°42'08" E	04°28'34"
C-15	12.00'	18.83'	11.99'	16.96'	S 45°16'06" E	89°55'48"
C-16	12.00'	18.86'	12.01'	16.98'	N 44°43'54" E	90°04'12"
C-17			INTENTIONALLY OMITTED			
C-18			INTENTIONALLY OMITTED			
C-19			INTENTIONALLY OMITTED			
C-20			INTENTIONALLY OMITTED			
C-21	12.00'	18.90'	12.05'	17.00'	S 45°07'24" E	90°13'13"
C-22	12.00'	18.80'	11.95'	16.94'	N 44°52'36" E	89°46'47"
C-23	12.00'	18.85'	12.00'	16.97'	S 45°00'00" W	90°00'00"
C-24	12.00'	18.85'	12.00'	16.97'	N 45°00'24" W	89°59'13"
C-25	12.00'	18.85'	12.00'	16.97'	S 44°59'36" W	90°00'47"
C-26	13.00'	20.65'	13.23'	18.54'	N 44°30'06" W	90°59'48"
C-27	13.00'	20.19'	12.78'	18.22'	N 45°29'54" E	89°00'12"
C-28	13.00'	20.36'	12.94'	18.34'	N 45°07'45" W	89°44'30"
C-29	13.00'	20.48'	13.06'	18.43'	N 44°52'15" E	90°15'30"
C-30	13.00'	20.65'	13.23'	18.54'	S 44°30'06" E	90°59'48"
C-31	13.00'	20.48'	13.06'	18.43'	S 44°52'15" W	90°15'30"
C-32	13.00'	20.35'	12.93'	18.34'	N 45°09'06" W	89°41'48"
C-33	13.00'	20.49'	13.07'	18.43'	N 44°50'54" E	90°18'12"
C-34	13.00'	20.46'	13.04'	18.41'	N 44°55'15" W	90°09'31"
C-35	12.00'	18.82'	11.97'	16.95'	S 45°04'45" W	89°50'29"
C-36	13.00'	20.35'	12.93'	18.33'	S 45°05'35" E	89°40'50"
C-37	12.00'	18.85'	12.00'	16.97'	S 44°40'49" W	90°00'00"
C-38	21.00'	32.99'	21.00'	29.70'	S 44°40'49" W	90°00'00"
C-39	12.00'	18.85'	12.00'	16.97'	S 45°19'11" E	90°00'00"
C-40	21.00'	32.99'	21.00'	29.70'	N 45°19'11" W	90°00'00"
C-41	12.00'	18.85'	12.00'	16.97'	N 44°40'49" E	90°00'00"
C-42	12.00'	18.85'	12.00'	16.97'	N 45°19'11" W	90°00'00"
C-43	12.00'	18.90'	12.05'	17.01'	N 44°48'25" E	90°15'11"
C-44	13.00'	20.49'	13.07'	18.44'	N 44°50'25" E	90°19'10"
C-45	13.00'	20.65'	13.23'	18.54'	S 44°30'06" E	90°59'48"
C-46	13.00'	20.19'	12.78'	18.22'	N 45°29'54" E	89°00'12"
C-47	12.00'	18.85'	12.00'	16.97'	N 45°00'24" W	89°59'13"
C-48	12.00'	18.85'	12.00'	16.97'	S 44°59'36" W	90°00'47"
C-49	12.00'	18.85'	12.00'	16.97'	S 45°00'00" E	90°00'00"
C-50	12.00'	18.84'	11.99'	16.96'	N 44°57'38" E	89°58'47"
C-51	12.00'	18.86'	12.01'	16.98'	N 45°02'22" W	90°03'13"
C-52	13.00'	20.36'	12.94'	18.34'	S 45°07'45" E	89°44'30"
C-53	13.00'	20.19'	12.78'	18.22'	N 45°29'54" E	89°00'12"

PLAT PREPARED BY:

CHASTAIN-SKILLMAN, INC.
Danny R. Gann, P.S.M.
4705 OLD STATE ROAD 37
LAKELAND, FLORIDA 33813
(863) 646-1402

L A K E R I D G E

A REPLAT OF LAKE RIDGE HOMES, RECORDED IN PLAT BOOK 31, PAGE 36, PUBLIC RECORDS OF POLK COUNTY, FLORIDA, BEING IN SECTION 12, TOWNSHIP 28 SOUTH, RANGE 23 EAST, CITY OF LAKELAND, POLK COUNTY, FLORIDA

PLAT BOOK 122
PAGE 14
SHEET 1 OF 2

DEDICATION:

STATE OF FLORIDA
COUNTY OF POLK

Know all men by these presents that THE HOUSING AUTHORITY OF THE CITY OF LAKELAND, owner of the lands described hereon, has caused this plat of "L A K E R I D G E" to be made and by the authority of its board of directors hereby dedicates, except as otherwise indicated herein, to the perpetual use of the public forever, all public utility and drainage easements shown hereon, subject to the restrictions of record. Roadways and alleys depicted on this plat are dedicated to the public. THE HOUSING AUTHORITY OF THE CITY OF LAKELAND expressly reserves the right to grant or dedicate additional easements, including easements for the construction, installation, maintenance and operation of cable television services in the manner and subject to the provisions of Section 177.091(29) of Florida Statues, (1994), provided, however, to the extent allowable by such Section 177.091(29), only cable television service providers specifically authorized by the Developer to serve the land shown on the plat shall have the benefit of said cable service easements, within and beneath the dedication areas, provided any facilities used or installed pursuant to such additional grants or dedications do not unreasonably interfere with the rights and easements herein dedicated to the public.

The RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC. shall be responsible for maintenance of the drainage system, parking areas, and driveways. The City shall be responsible for maintenance of the roadway, sidewalks, and alleys located in public right of ways. No permanent parking spaces shall be allowed in the right of way. While the City is not responsible for maintenance of the drainage system they shall retain the right to enter drainage easements or tracts and perform maintenance on the system, as needed, to protect the roadways from damage or flooding. The RENAISSANCE AT WASHINGTON RIDGE MASTER ASSOCIATION, INC. will be responsible to maintain the drainage system and vegetation in the areas designated as retention areas, drainage swales, and drainage easements and for retaining the design unchanged where not on private property. Private property owners will be responsible to maintain vegetation in drainage easements and for retaining the design unchanged on the portion of the drainage system within their property.

Witness the corporation name and seal of said corporation this 20 day of MAY A.D. 2003.

Signed, sealed and delivered in the presence of:

Witness

Witness

The Housing Authority of the City of Lakeland
By:
Herbert Hernandez
Executive Director

ACKNOWLEDGEMENT:

STATE OF FLORIDA
COUNTY OF POLK

The foregoing instrument was acknowledged before me this 20 day of MAY 2003, by Herbert Hernandez, Executive Director of The Housing Authority of the City of Lakeland, who is personally known to me or who has produced _____, as identification and who did (did not) take an oath.

LINDA K. VITALE
My Comm Exp. 6/18/04
No. CC 945193
(Personally Known) (Other I.D.

Notary Public
Name: Linda K Vitale
Commission Expires: 6/18/04
Commission No.: CC945193

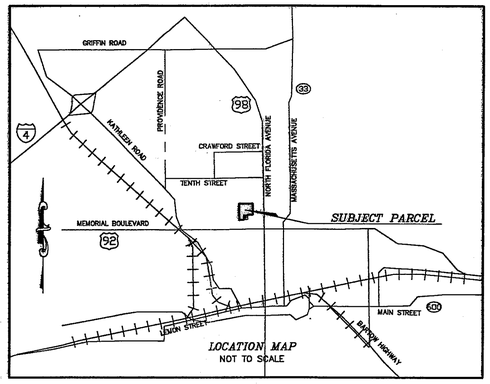
CLERK OF CIRCUIT COURT CERTIFICATE:

STATE OF FLORIDA
COUNTY OF POLK

I, Richard M. Weiss, Clerk of the Circuit Court of Polk County, Florida, do hereby certify that this plat has been accepted for recording this _____ day of _____, A.D. 2003.

Clerk of Circuit Court

PLAT PREPARED BY:
CHASTAIN-SKILLMAN, INC.
Danny R. Gann, P.S.M.
4705 OLD STATE ROAD 37
LAKELAND, FLORIDA 33813
(863) 646-1402



LOCATION MAP
NOT TO SCALE

FIRST MORTGAGE LENDER'S APPROVAL

STATE OF GEORGIA
COUNTY OF FULTON

This plat is hereby approved by SunTrust Bank, a Georgia banking corporation, this 2 day of June, 2003.

SUNTRUST BANK, a Georgia banking corporation
By:
Print Name: Courtney Callahan
Title: Vice President

SECOND MORTGAGE LENDER'S APPROVAL

STATE OF FLORIDA
COUNTY OF POLK

This plat is hereby approved by The Housing Authority of the City of Lakeland, Florida, a public body corporate and politic organized under the laws of the State of Florida, this 20 day of May, 2003.

THE HOUSING AUTHORITY OF THE CITY OF LAKELAND, FLORIDA
BY:
Print Name: Herbert Hernandez
Title: Executive Director

DESCRIPTION:

Lake Ridge Homes, according to the Plat thereof, as recorded in Plat Book 31, Page 36, Public Records of Polk County, Florida.

LESS AND EXCEPT property conveyed to State of Florida Department of Transportation as recorded in O.R. Book 1292, Page 660.

Parcel containing 10.69 aces, more or less.

GROUND LEASE TENANT'S APPROVAL:

DISTRICT OF COLUMBIA

This plat is hereby approved by Renaissance at Washington Ridge, Ltd., LLLP, a Florida limited liability limited partnership, this 9th day of May, 2003.

RENAISSANCE AT WASHINGTON RIDGE, LTD., LLLP, A FLORIDA LIMITED LIABILITY LIMITED PARTNERSHIP

BY: TCG WASHINGTON RIDGE, LLC, A FLORIDA LIMITED LIABILITY COMPANY

BY:
Jaime Bordenave, Manager

CITY OF LAKELAND APPROVAL:

STATE OF FLORIDA
COUNTY OF POLK
CITY OF LAKELAND

This plat is hereby approved by the City of Lakeland Planning and Zoning Board this 6 day of JUNE, A.D. 2003.

Vice Chairman

CITY MANAGER APPROVAL:

STATE OF FLORIDA
COUNTY OF POLK
CITY OF LAKELAND

This plat is hereby approved on behalf of the Lakeland City Commission, pursuant to City Ordinance No. 3412 This 6th day of June, A.D. 2003.

Roger D. Haar, City Manager

SURVEYOR'S CERTIFICATE:

STATE OF FLORIDA
COUNTY OF POLK

I hereby certify that this plat entitled "L A K E R I D G E" is a true and correct representation of the lands surveyed and platted under my direction and supervision, and this plat complies with the State of Florida Department of Business and Professional Regulation, Board of Professional Land Surveyors, Chapter 177, Florida Statutes. I also certify that the Permanent Reference Monuments have been set and that Permanent Control Points have been set or will be set in accordance with Chapter 177, Florida Statutes.

6 MAY 2003
Date of Certification

Danny R. Gann, P.S.M.
Florida Registration #6188
CHASTAIN-SKILLMAN, INC.
Certificate Number LB 262
4705 Old Highway 37
Lakeland, Florida 33813
(863) 646-1402

CITY SURVEYOR'S CERTIFICATE:

STATE OF FLORIDA
COUNTY OF POLK
CITY OF LAKELAND

This Plat has been reviewed and found to be substantially in compliance with the provisions of Chapter 177, Florida Statutes, relating to the making of maps and plats. This 29th day of May, 2003.

Henley Lee Burton, P.L.S.
Florida Registration # 4399
City Surveyor - City of Lakeland
228 S. Massachusetts Avenue
Lakeland, Florida 33801

CORPORATION *SURVEYOR* *CITY COMMISSION* *CLERK OF CIRCUIT COURT*

APPLICANT: The Housing Authority of the City of Lakeland
Mr. Herbert Hernandez, Executive Director
430 South Hartsell Avenue
Lakeland, Florida 33802-1009
(863) 687-2911

OWNER: The Housing Authority of the City of Lakeland
Mr. Herbert Hernandez, Executive Director
430 South Hartsell Avenue
Lakeland, Florida 33802-1009
(863) 687-2911

RECEIVED
JUL -1 2003
PROPERTY INFORMATION

INVITATION FOR BIDS
NO: IFB2022-RWR01
GENERAL CONTRACTOR FOR
THE RENAISSANCE AT WASHINGTON RIDGE, THE MANOR AT WASHINGTON RIDGE AND LAKE RIDGE COMMUNITY

I. SCOPE OF REQUIRED SERVICES

The Housing Authority of the City of Lakeland (also known as the Lakeland Housing Authority or LHA) is a public body corporate and politic established in 1939 under the U.S. Housing Act of 1937 and Chapter 421, Florida Statutes. The LHA acting for itself and/or its various instrumentalities and affiliates will accept sealed bids from General Contractors for reroofing 55 buildings and the painting of 54 exterior buildings (**excluding the Senior Building**) within The Renaissance at Washington Ridge 1500 N. New York Ave and Lake Ridge community located directly off Martin Luther King, Lakeland, Florida 33805. The bidding contractor must have at least (5) years' experience in reroofing and painting of commercial and/or multi-family structures to be considered for this bid.

It is the bidder's responsibility to visit the site and familiarize itself with the conditions of each building. The bidder is responsible for conducting its own field measurements to determine the amount and type of necessary: equipment, tools, materials, labor, fuel, transportation, and supervision required. Such inspections may be made during normal business hours 8:00 a.m. to 5:00 p.m., Monday through Friday. If assistance is required, please contact **Vanessa Johnson**, The Renaissance at Washington Ridge Community Manager, at 863-682-7611.

Note: In order to encourage as many potential bidders to respond to this Invitation for Bids (IFB), the Lakeland Housing Authority did not specify *start* and *end dates* in this Invitation for Bids. Rather, LHA is requesting that the bidder indicate on its submitted Bid Form its earliest anticipated *start* and *end dates* if awarded the project. However, since the roof at The Manor at Washington Ridge (Senior building) is currently experiencing some leaking, LHA reserves the right to award the bid to that bidder whose bid proposal is most favorable to LHA.

A. Specifications-Reroofing of 55 Buildings

1. The successful bidder(s), in a professional manner, will provide the attached specifications as well as any other tasks and materials usual and customary to this type of work. The existing roof system, insulation, flashings, and related trims shall be completely removed to the original decking and legally disposed.

- Metal roof on the main office
- Layout, fabricate, overlap, and secure asphalt shingles per manufacturer instructions on remaining buildings
- Install drip edge/eave trim
- Install valley flashing
- Install roofing paper/membrane
- Replacement of deteriorated wood, framing and sheathing
- Clean work area of job-related debris upon completion of project
- Load and haul-off job related debris
- Provide a written 15-year manufacturer's warranty on the shingles
- Provide a written 10-year labor warranty
  * *The color, which will be the same for each building, will be LHA's choice.*

2. The successful bidder shall upgrade the existing roof to comply with all of the latest governmental codes and regulations. The costs of these upgrades shall be included in the total bid price indicated on the bidder's submitted Bid Form.

3. The successful bidder(s) will provide all customary and necessary services whether or not indicated herein.

B. Specifications- Previously Painted Exterior of 54 Buildings (excluding Senior Building)

1. The work in general includes: surface preparation, surface repairs, caulking, sealants, patching, and application of the paint coating to the substrates and systems outlines in the attached **Sherwin Williams Specifications**.
   - The painting contractor shall purchase all paint and associated products to complete the specified job and will pay for all materials purchased for the specified job.
   - The contractor shall execute the work in accordance with label directions.
   - All materials to be used are from the Sherwin-Williams Company or an LHA approved equivalent. **The Bidder must submit the specifications of the desired substitute product(s) for the LHA's approval with its submitted Bid Form.**
   - The contractor will be responsible for site-clean up as well as hauling-off any painting-related debris including but not limited to paint containers, tape, plastic sheeting, etc.
   - All paints shall be delivered to the property in the original container with the manufacturer's label intact.
   - Color scheme will be provided in the award contract.

II. OTHER CONDITIONS

The other conditions that will apply to the bidder who is awarded a contract.

A. **Insurance**—To the satisfaction of LHA, the successful bidder will be required to provide LHA with a current certificate(s) of:

- *General Liability* insurance and *Automotive Liability* insurance with LHA, Lakeland-Polk Housing Corporation, and West Lake Management, LLC named as an *additional insured* on each type of liability insurance. The General Liability insurance must contain a minimum of $1,000,000 coverage per occurrence.
- *Workers' Compensation* coverage for all of the bidder's staff employed on the site of this project. The Workers' Compensation coverage must be, at least, the State of Florida required minimum.
- *Umbrella Liability* insurance with LHA, Lakeland-Polk Housing Corporation, and West Lake Management, LLC named as an *additional insured* and contain a minimum of $2,000,000.

The successful bidder shall maintain the above insurances in-force during the term of the contract.

B. **Permits, Fee, and Licenses--**The successful bidder shall secure, maintain, and pay all permits, fees, and licenses necessary for the proper execution and completion of work. Copies of the above documents must be provided to **Lori Halula-Eyer**, Sr. Program Manager, **prior to** commencement of the work. Failure to provide the above documents prior to the beginning the work may result in a start delay or a stop-work order.

C. **Modifications**—In its best interest, LHA reserves the right to modify this Invitation for Bids. Modifications may include, but are not limited to, increasing, or deleting any items contained in this Invitation for Bid.

Any such modification or amendment will be made available via the email address provided by the potential bidder. It is the responsibility of the potential bidder to access any such modifications or amendments.

D. **Section 3**—*If applicable*, the successful bidder will comply with the requirements of the HUD Act of 1968, Section 3, attached to this Invitation for Bids as well as *LHA's Section 3 and Minority and Woman Business Enterprise* Policy, which can be accessed at: http://uploads.lakelandhousing.org/MWBE-Section-3-Policy.pdf

E. **Non-Discrimination**--The successful bidder must ensure that employees and applicants for employment are not discriminated against because of race, color, religion, disability, gender, or national origin.

F. **Security and Safety--**The successful bidder shall protect and secure its materials, vehicles, and equipment, and shall assume full responsibility for loss, theft,

vandalism, and any other damage for the duration of the contract. LHA will not assume responsibility for vandalism, theft, fire, and/or personal injury claims arising from or relating to the work to be performed. The successful bidder must exercise extreme caution and safety at all times to protect the work area and to eliminate accidents occurring at the work site. The successful bidder must also protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by the contracted work. Since residents may be occupying the buildings to be reroofed and repainted as well as adjoining buildings during the project, the successful bidder must conduct its activities in a respectful manner that will cause the least disruption to the residents. This respectful manner includes, but is not limited to, refraining from playing loud music or other unnecessary loud noises.

Note:

- Work on this project is prohibited on Saturdays, Sundays, and legal holidays.
- On other days, work is prohibited between the hours of 8:00 p.m. and 7:00 a.m.

G. **Review and Inspection--**LHA may at its sole discretion and from time-to-time review and inspect the services provided including but not be limited to: site observations, review of time records, daily and other logs and records of activities, and supervisors' reports.

H. **Payment--**Payment shall be made within thirty (30) calendar days after submission of an invoice acceptable to LHA for the satisfactory performance of the contracted work.

Note: LHA reserves the right to process only those invoices submitted with corresponding weekly certified payroll(s). (A copy of the certified payroll form, WH-347, is attached for reference.) LHA will not process any invoice lacking the appropriate certified payroll(s) until the relevant certified payroll(s) is received and approved by LHA. Also, LHA is required by HUD to conduct on-site wage interviews with the small sample of the successful bidder's staff using the attached Form HUD-11. This form is used to confirm certain information contained in the submitted certified payroll form.

I. **Term**—LHA recognizes that this is a busy time of the year for contractors. Therefore, each bidder will be requested to indicate on its submitted Bid Form the anticipated *start* and *end date* of the project.

J. **Required Forms**—The bidder will only submit its bid on the Bid Form provided with this Invitation for Bids. Bids submitted in another format may be rejected as non-responsive. At a minimum, the contract awarded under this Invitation for Bids will contain with the following HUD forms: 5369-C and 5370-EZ. (Copies are attached for reference.)

K. **Federal Labor Standards Provisions**— Due to the nature of the funding to be used

by LHA for this project, certain Federal requirements apply such as the **Federal Labor Standards Provisions** which include the Davis-Bacon Act, the Copeland Act, and Contract Works Hours and Safety Standards Act. This document as well as the document **Making Davis-Bacon Work, A Contractor's Guide to Prevailing Wage Requirements** may be accessed electronically on the LHA web site, http://lakelandhousing.org/Procurement/#. Also, attached is a copy of the current Davis Bacon **wage determination** information for *residential* building repair in Polk County: FL20220082 07/01/2022.

L. **Communications**--In order to maintain a fair and impartial competitive process, LHA shall avoid private communication concerning this procurement with prospective proposers during the entire procurement process. Please respect this policy and do not attempt to query LHA, LPHC, or West Lake Management personnel regarding this Invitation for Bids.

Ex parte communication regarding this solicitation is prohibited between a potential or current proposer and any Lakeland Housing Authority (LHA) Board of Directors member, LPHC or West Lake Management staff, or any other person serving as an evaluator during this procurement process. A respondent directly contacting any LHA Board of Directors member, LHA staff, or West Lake Management staff, or evaluators regarding this solicitation risks the elimination of its bid from consideration. Email correspondence with **Lori Halula-Eyer,** Sr. Program Manager, does not constitute *ex parte* communication. Oral instructions or information concerning the specifications of this procurement given out by any LHA Board of Directors member, LHA, or West Lake Management employee, or agent to a prospective respondent shall not bind LHA.

A Bid Bond or Cashier's Check in the amount of five percent (5%) of the amount of the bid must be submitted with the bid.

A Pre-Bid conference will be held on:

Wednesday 17, 2022 at 9:00 a.m., Eastern Time, in the Emma Turner Center located at 1500 N. New York Ave., Lakeland, Florida 33805. The site visit of the property will follow.

Although this is not a mandatory meeting, all potential bidders are *strongly* encouraged to attend this bidders' meeting conference and site visit. In the event that a potential bidder is unable to attend this meeting but has questions that he/she would like to have addressed at the bidders' meeting, the potential bidder may email questions to ***Leyer@lakelandhousing.org*** prior to **9:00 a.m. Eastern Time, on Tuesday, August 16, 2022.** Receipt of request will be acknowledged. **Prior to 5:00 p.m.**, Eastern Time, on **August 19, 2022,** the responses to the submitted

questions will be sent by email to all potential respondents who received this Invitation for Bids directly from LHA. It is the potential respondent's responsibility to monitor his/her email for any additional information related to this procurement.

III. SUBMISSION OF BIDS

A. Original Bid

An **original bid** shall be delivered by mail or hand-delivered addressed to:

Lori Halula-Eyer, Sr. Program Manager
RE:General Contractor-Reroofing and Repainting of The Renaissance at Washington Ridge Community
Lakeland Housing Authority
430 Hartsell Avenue
Lakeland, Florida 33815

The outside of the envelope must indicate the name and address of the firm submitting the bid as well as the title of the bid being submitted.

Any bid transmitted by facsimile, electronic mail, or not in compliance with the above instructions will not be considered. All bids and accompanying material will become the property of LHA and will not be returned to the bidder.

Submitted bids will be opened and publicly read aloud on **August 29, 2022, at 10:00 a.m., Eastern Time**, at The Lakeland Housing Authority located at 430 Hartsell Ave., Lakeland, Florida 33815. All interested parties are invited to attend.

B. **Validity**--Bids may be held by LHA for a period not to exceed thirty (30) calendar days from the date of opening for the purpose of reviewing them and investigating the qualifications of the respondent prior to awarding the work.

C. **Withdrawals**--No bid shall be withdrawn subsequent to the stated opening of the bids without the written consent of LHA. LHA reserves the right to accept or reject any and all bids or any part of any bid and to waive any informalities or irregularities in the bid or in the procurement process.

D. **Conflict of Interest**--No LHA Board member, officer, employee of LHA, LPHC or West Lake Management or member of the City of Lakeland City Commission shall, during his/her tenure or for one (1) year thereafter, shall have any interest, direct or indirect, in this contract or the proceeds thereof.

E. **Award of Contract--**

1. LHA reserves the right: to accept or reject any and all bids or any part of any bid and to waive informalities and minor irregularities and technicalities.

2. LHA also reserves the right to award any bid if deemed to be in the best interest of LHA if that bid is consistent with LHA's policies and/or the laws governing the U.S. Department of Housing and Urban Development (HUD) and/or the State of Florida programs.

3. The bid award will be made to that fully qualified, *responsive*,* and *responsible** bidder(s) whose offer conforms to this Invitation for Bids and is in the best interest of LHA.
**(as defined by HUD.)*

F. Disputes

In case of any doubt or differences of opinions as to the items or service to be furnished hereunder or the interpretation of the provisions of the Bid Package, the decision of LHA shall be final and binding upon all parties.

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DAVIS-BACON PREVAILING WAGE RATES

GENERAL DECISION NUMBER: FL20220082 07/01/2022

"General Decision Number: FL20220082 07/01/2022

Superseded General Decision Number: FL20210082

State: Florida

Construction Type: Residential

County: Polk County in Florida.

RESIDENTIAL CONSTRUCTION PROJECTS (consisting of single family homes and apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at https://www.dol.gov/agencies/whd/government-contracts.

Modification Number	Publication Date
0	01/07/2022
1	02/25/2022
2	07/01/2022

ENGI0925-008 06/01/2013

	Rates	Fringes
POWER EQUIPMENT OPERATOR:		
Crawler Cranes; Truck Cranes; Pile Driver Cranes; Rough Terrain Cranes; and Any Crane not otherwise described below...	$ 29.61	11.50
Hydraulic Cranes Rated 100 Tons or Above but Less Than 250 Tons; and Lattice Boom Cranes Less Than 150 Tons if not described below.	$ 30.61	11.50
Lattice Boom Cranes Rated at 150 Tons or Above; Friction Cranes of Any		

Size; Mobile Tower Cranes or Luffing Boom Cranes of Any Size; Electric Tower Cranes; Hydraulic Cranes Rated at 250 Tons or Above; and Any Crane Equipped with 300 Foot or More of Any Boom Combination.....$ 31.61 11.50
Oiler.....$ 22.91 11.50

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* IRON0397-003 07/01/2022

	Rates	Fringes
IRONWORKER, REINFORCING AND STRUCTURAL	$ 32.60	16.97

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* SUFL2009-121 06/08/2009

	Rates	Fringes
BRICKLAYER	$ 20.00	0.00
CARPENTER, Includes Cabinet Installation	$ 11.37 **	0.00
CEMENT MASON/CONCRETE FINISHER	$ 15.14	0.00
ELECTRICIAN	$ 12.66 **	0.00
IRONWORKER, ORNAMENTAL	$ 12.60 **	0.00
LABORER: Common or General	$ 9.85 **	0.00
LABORER: Mason Tender - Brick	$ 11.51 **	0.00
LABORER: Mason Tender - Cement/Concrete	$ 10.46 **	0.00
LABORER: Pipelayer	$ 11.79 **	0.00
LABORER: Roof Tearoff	$ 9.00 **	0.00
LABORER: Landscape and Irrigation	$ 8.26 **	0.00
OPERATOR: Asphalt Paver	$ 12.07 **	0.00
OPERATOR: Backhoe Loader Combo	$ 17.04	0.00
OPERATOR: Backhoe/Excavator	$ 12.56 **	0.00
OPERATOR: Bulldozer	$ 12.14 **	0.00
OPERATOR: Distributor	$ 11.57 **	0.00
OPERATOR: Forklift	$ 17.38	0.00
OPERATOR: Grader/Blade	$ 15.50	0.00
OPERATOR: Loader	$ 11.59 **	0.00
OPERATOR: Roller	$ 11.02 **	0.00
OPERATOR: Screed	$ 11.08 **	0.00
OPERATOR: Trackhoe	$ 15.68	0.00
OPERATOR: Tractor	$ 10.20 **	0.00
PLUMBER	$ 13.22 **	0.00
ROOFER, Includes Built Up, Modified Bitumen, and Shake & Shingle Roofs (Excludes Metal Roofs)	$ 13.33 **	0.00
ROOFER: Metal Roof	$ 16.99	0.00
SHEET METAL WORKER, Excludes Metal Roof Installation	$ 9.50 **	0.00

TRUCK DRIVER, Includes Dump
Truck.....$ 10.22 ** 0.00

TRUCK DRIVER: Lowboy Truck.....$ 12.10 ** 0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 ($15.00) or 13658 ($11.25). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates

the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

BID FORM

NO: IFB2022-RWR01
GENERAL CONTRACTOR FOR
THE RENAISSANCE AT WASHINGTON RIDGE, THE MANOR AT WASHINGTON RIDGE AND LAKE RIDGE COMMUNITY

*From: (Name of Business)*_____, a(n) *(circle one of the following)* corporation/partnership/individual hereinafter referred to as the "Bidder."

To: **The Lakeland Housing Authority** (hereinafter referred to as the "LHA")

The Bidder, in compliance with your Invitation for Bids for **Reroofing of 55 Buildings and Repainting of 54 Buildings in The Renaissance at Washington Ridge Community**, having examined the *Scope of Required Services* and being familiar with all of the conditions surrounding the proposed project, including the availability of labor, proposes to furnish the necessary labor, supervision, equipment, materials, fuel, and supplies to perform the work in accordance with the *Scope of Required Services* and the *Other Conditions* contained in the Invitation for Bids, within the time set forth herein, and at the prices stated below.

The Bidder acknowledges receipt of the following addendums/modifications: _____.

OFFERED BID:
The Bidder offers to provide the reroofing services as requested in Item I, **Scope of Required Services,** of the Invitation for Bids at the following prices.

Total Price to reroof:

- *3- story Senior Building (priority)*
- *1 metal roof for main office*
- *53 buildings- residential*

$_____

Total Price Repainting of 54 exterior buildings
(Excluding the Senior building)

$_____

If awarded this bid, prior to September 1, 2022, the Bidder anticipates that it will begin the contracted work on/before *(date)* _____ and complete the contract work on/before *(date)* _____ .

THESE DOCUMENTS MUST BE INCLUDED WITH THE SUBMITTED BID IN THE FOLLOWING ORDER. ***Please verify your submittal with a checkmark or similar mark.***

- This required BID FORM: _____
- Bid Bond or Cashier's Check equal to 5% percent of the total bid amount _____
- Consent of Surety (Original from a surety company starting that it will issue the necessary performance & payments bonds should the bidder enter into a contract with *The Housing Authority of the City of Lakeland.*_____-
- Copy of the Bidder's current registered or certified *State of Florida* General Contractor license: _____
- Contract Pricing Form _____
- Schedule of Values _____
- Sub-contractor list and license numbers _____
- Materials Suppliers List _____
- Proof of existing workers' compensation coverage and general and automobile liability insurances: ____
- A list--*including* contact information **and completion dates**--of, at least, ten past *multi-family* and/or *commercial* projects that received similar services from the Bidder prior to July 2017: _____
- Statement of Bidder's Qualifications form _____
- That the Bidder completed, signed, and enclosed:
  - Non-collusion Certification form*: _____
  - Public Entity Crime Statement*: _____
  - HUD-50070, Certification for a Drug-Free Workplace*: _____
  - HUD Form 5369-C, Representations, Certifications and Other Statements of Bidders*: _____
  - HUD Form 5370- EZ *: _____
  - Section 3 Business certification*: _____

    **(A blank copy is provided with this Bid Package.)*

All documents set forth above have been properly executed and notarized, as required _____

Failure to provide *any* of the above information may render the submitted bid as *non-responsive* and may cause the bid to be rejected.

WITHIN (10) TEN WORKING DAYS AFTER AWARD OF THE BID, THE SUCCESSFUL CONTRACTOR MUST SUBMIT THE FOLLOWING:

- 100% Performance Bond in favor of *The Housing Authority of the City of Lakeland*

- 100% Payment Bond in favor of *The Housing Authority of the City of Lakeland*
- Construction Progress Schedule HUD-5372
- Equal Employment Opportunity Certification HUD-9210
- Utilization of section 3 Project Businesses
- Section 3 Certification attachments
- Certificate(s) of Insurance (COI) naming *The Housing Authority of the City of Lakeland, LPHC and West Lake Management, LLC as an additional insured.*

In submitting this bid, I hereby certified that I checked my email after **5:00 p.m.**, Eastern Time, on **August 19, 2022,** to obtain any modifications or updates to this Invitation for Bids.

Submitted By: _____ Title: _____

Signature: _____

Business Name: _____

Business Address: _____

Business Phone Number: _____ Email address: _____

ATTACHED FORMS

NON-COLLUSION CERTIFICATION
NO: IFB2022-RWR01
GENERAL CONTRACTOR FOR
THE RENAISSANCE AT WASHINGTON RIDGE, THE MANOR AT WASHINGTON RIDGE AND LAKE RIDGE COMMUNITY

The undersigned states that he/she is fully authorized by the entity indicated below to certify that:

- That this bid is made without collusion or fraud with any other person, firm, or corporation making a bid for the same purpose.

- That no officer or employee or person whose salary is paid, in whole or in part, from Lakeland Housing Authority or its affiliates' is, shall be, or will become interested, directly or indirectly, surety or otherwise: in this bid; in the performance of the contract; in the supplies, materials, equipment, and services or labor to which they relate; or in any portion of the profits thereof.

By signing this form, the undersigned affirms that said bid is, in all respects, fair and without collusion or fraud.

Name of Entity: _____

Authorized Signature/Date: _____

Printed Name of Signer: _____

Title of Signer: _____

Corporate Seal, *if appropriate*

Note: *Failure to complete and submit this statement as presented may result in the bid being rejected.*

PUBLIC ENTITY CRIMES STATEMENT
NO: IFB2022-RWR01
GENERAL CONTRACTOR FOR
THE RENAISSANCE AT WASHINGTON RIDGE, THE MANOR AT WASHINGTON RIDGE AND LAKE RIDGE COMMUNITY

By signing this form, the Respondent certifies that it is not currently debarred, suspended, or excluded from or for participation in Federal assistance programs in accordance with: Executive Order 12549, Debarment and Suspension, 45 CFR 1183.35; HUD regulations, 24 CFR 24; or by other federal agencies.

The Respondent also certifies that it is in compliance with Section 287.133, Florida Statutes, as it relates to Public Entity crimes. More specifically, the Respondent certifies that it acknowledges, and it is in compliance with the following:

> A person or an affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, F.S. for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.

Name of Entity: _____

Authorized Signature/Date: _____

Printed Name of Signer: _____

Title of Signer: _____

Corporate Seal, *if appropriate*

Note: *Failure to complete and submit this statement as presented may result in the bid being rejected.*

STATEMENT OF BIDDER'S QUALIFICATIONS

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary add separate sheets for items requiring additional explanation.

1. Name of Bidder _____
2. Permanent Main Office Address _____
   _____
   _____
3. Authorized Person _____
4. Email Address _____
5. Phone Number _____
6. Date Organized _____
7. State incorporated _____

5. How many years have you been engaged in the contracting business under your present firm name?
   _____

6. Listing of current contracts:

Nature of Work	Owner's Representative	Telephone	Gross Amount of Contract	Completion Date	% of completion

7. **General character of work usually performed by your company.**

8. **Have you ever defaulted on a contract? If so, where and why?**

9. **List the three (3) most important projects recently completed by your company**, stating approximate cost of each, month and year completed, and name and telephone number of owner's representative.

Project	Owners' Representative	Phone No.	Cost	Completion Date (mm/yyyyy)

10. List your major **equipment** available for use on this contract (if applicable).

Item	Description	Quantity	Years of Service

11. **Experience in construction work similar in importance to this project.** _____

12. Background and experience of the principal members of your Company, including the officers and proposed construction superintendent.

Name	Position	Years in Construction	Summary of Experience

Certification for a Drug-Free Workplace

U.S. Department of Housing and Urban Development

Applicant Name

Program/Activity Receiving Federal Grant Funding

Acting on behalf of the above named Applicant as its Authorized Official, I make the following certifications and agreements to the Department of Housing and Urban Development (HUD) regarding the sites listed below:

I certify that the above named Applicant will or will continue to provide a drug-free workplace by:

a. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the Applicant's workplace and specifying the actions that will be taken against employees for violation of such prohibition.

b. Establishing an on-going drug-free awareness program to inform employees ---

(1) The dangers of drug abuse in the workplace;

(2) The Applicant's policy of maintaining a drug-free workplace;

(3) Any available drug counseling, rehabilitation, and employee assistance programs; and

(4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.

c. Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph a.;

d. Notifying the employee in the statement required by paragraph a. that, as a condition of employment under the grant, the employee will ---

(1) Abide by the terms of the statement; and

(2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;

e. Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph d.(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer or other designee on whose grant activity the convicted employee was working, unless the Federalagency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;

f. Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph d.(2), with respect to any employee who is so convicted ---

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;

g. Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs a. thru f.

2. Sites for Work Performance. The Applicant shall list (on separate pages) the site(s) for the performance of work done in connection with the HUD funding of the program/activity shown above: Place of Performance shall include the street address, city, county, State, and zip code. Identify each sheet with the Applicant name and address and the program/activity receiving grant funding.)

Check here ☐ If there are workplaces on file that are not identified on the attached sheets.

I hereby certify that all the information stated herein, as well as any information provided in the accompaniment herewith, is true and accurate.
Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties.
(18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Name of Authorized Official	Title
Signature X	Date

Certifications and Representations of Offerors
Non-Construction Contract

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing

This form includes clauses required by OMB's common rule on bidding/offering procedures, implemented by HUD in 24 CFR 85.36, and those requirements set forth in Executive Order 11625 for small, minority, women-owned businesses, and certifications for independent price determination, and conflict of interest. The form is required for nonconstruction contracts awarded by Housing Agencies (HAs). The form is used by bidders/offerors to certify to the HA's Contracting Officer for contract compliance. If the form were not used, HAs would be unable to enforce their contracts. Responses to the collection of information are required to obtain a benefit or to retain a benefit. The information requested does not lend itself to confidentiality.

1. Contingent Fee Representation and Agreement

(a) The bidder/offeror represents and certifies as part of its bid/ offer that, except for full-time bona fide employees working solely for the bidder/offeror, the bidder/offeror:

(1) [ ] has, [ ] has not employed or retained any person or company to solicit or obtain this contract; and

(2) [ ] has, [ ] has not paid or agreed to pay to any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

(b) If the answer to either (a)(1) or (a) (2) above is affirmative, the bidder/offeror shall make an immediate and full written disclosure to the PHA Contracting Officer.

(c) Any misrepresentation by the bidder/offeror shall give the PHA the right to (1) terminate the resultant contract; (2) at its discretion, to deduct from contract payments the amount of any commission, percentage, brokerage, or other contingent fee; or (3) take other remedy pursuant to the contract.

2. Small, Minority, Women-Owned Business Concern Representation

The bidder/offeror represents and certifies as part of its bid/ offer that it:

(a) [ ] is, [ ] is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) [ ] is, [ ] is not a women-owned small business concern. "Women-owned," as used in this provision, means a small business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) [ ] is, [ ] is not a minority enterprise which, pursuant to Executive Order 11625, is defined as a business which is at least 51 percent owned by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals.

For the purpose of this definition, minority group members are:

(Check the block applicable to you)

[ ] Black Americans	[ ] Asian Pacific Americans
[ ] Hispanic Americans	[ ] Asian Indian Americans
[ ] Native Americans	[ ] Hasidic Jewish Americans

3. Certificate of Independent Price Determination

(a) The bidder/offeror certifies that—

(1) The prices in this bid/offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other bidder/offeror or competitor relating to (i) those prices, (ii) the intention to submit a bid/offer, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this bid/offer have not been and will not be knowingly disclosed by the bidder/offeror, directly or indirectly, to any other bidder/offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the bidder/ offeror to induce any other concern to submit or not to submit a bid/offer for the purpose of restricting competition.

(b) Each signature on the bid/offer is considered to be a certification by the signatory that the signatory:

(1) Is the person in the bidder/offeror's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(l) through (a)(3) above; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(l) through (a)(3) above (insert full name of person(s) in the bidder/offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the bidder/offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(l) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the bidder/offeror deletes or modifies subparagraph (a)2 above, the bidder/offeror must furnish with its bid/offer a signed statement setting forth in detail the circumstances of the disclosure.

4. Organizational Conflicts of Interest Certification

(a) The Contractor warrants that to the best of its knowledge and belief and except as otherwise disclosed, it does not have any organizational conflict of interest which is defined as a situation in which the nature of work under a proposed contract and a prospective contractor's organizational, financial, contractual or other interest are such that:

(i) Award of the contract may result in an unfair competitive advantage;

(ii) The Contractor's objectivity in performing the contract work may be impaired; or

(iii) That the Contractor has disclosed all relevant information and requested the HA to make a determination with respect to this Contract.

(b) The Contractor agrees that if after award he or she discovers an organizational conflict of interest with respect to this contract, he or she shall make an immediate and full disclosure in writing to the HA which shall include a description of the action which the Contractor has taken or intends to eliminate or neutralize the conflict. The HA may, however, terminate the Contract for the convenience of HA if it would be in the best interest of HA.

(c) In the event the Contractor was aware of an organizational conflict of interest before the award of this Contract and intentionally did not disclose the conflict to the HA, the HA may terminate the Contract for default.

(d) The Contractor shall require a disclosure or representation from subcontractors and consultants who may be in a position to influence the advice or assistance rendered to the HA and shall include any necessary provisions to eliminate or neutralize conflicts of interest in consultant agreements or subcontracts involving performance or work under this Contract.

5. Authorized Negotiators (RFPs only)

The offeror represents that the following persons are authorized to negotiate on its behalf with the PHA in connection with this request for proposals: (list names, titles, and telephone numbers of the authorized negotiators):

6. Conflict of Interest

In the absence of any actual or apparent conflict, the offeror, by submission of a proposal, hereby warrants that to the best of its knowledge and belief, no actual or apparent conflict of interest exists with regard to my possible performance of this procurement, as described in the clause in this solicitation titled "Organizational Conflict of Interest."

7. Offeror's Signature

The offeror hereby certifies that the information contained in these certifications and representations is accurate, complete, and current.

Signature & Date:

Typed or Printed Name:

Title:

General Contract Conditions for Small Construction/Development Contracts

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing
OMB Approval No. 2577-0157 (exp. 3/31/2020)

Applicability. The following contract clauses are applicable and must be inserted into **small construction/development contracts, greater than $2,000 but not more than $150,000.**

1. Definitions

Terms used in this form are the same as defined in form HUD-5370

2. Prohibition Against Liens

The Contractor is prohibited from placing a lien on the PHA's property. This prohibition shall apply to all subcontractors at any tier and all materials suppliers. The only liens on the PHA's property shall be the Declaration of Trust or other liens approved by HUD.

3. Disputes

(a) Except for disputes arising under the **Labor Standards** clauses, all disputes arising under or relating to this contract, including any claims for damages for the alleged breach thereof which are not disposed of by agreement, shall be resolved under this clause.
(b) All claims by the Contractor shall be made in writing and submitted to the Contracting Officer for a written decision. A claim by the PHA against the Contractor shall be subject to a written decision by the Contracting Officer.
(c) The Contracting Officer shall, within 30 days after receipt of the request, decide the claim or notify the Contractor of the date by which the decision will be made.
(d) The Contracting Officer's decision shall be final unless the Contractor (1) appeals in writing to a higher level in the PHA in accordance with the PHA's policy and procedures, (2) refers the appeal to an independent mediator or arbitrator, or (3) files suit in a court of competent jurisdiction. Such appeal must be made within 30 days after receipt of the Contracting Officer's decision.
(e) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

4. Default

(a) If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with the diligence that will insure its completion within the time specified in this contract, or any extension thereof, or fails to complete said work within this time, the Contracting Officer may, by written notice to the Contractor, terminate the right to proceed with the work (or separable part of the work) that has been delayed. In the event, the PHA may take over the work and complete it by contract or otherwise, and may take possession of and use any materials, equipment, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the PHA resulting from the Contractor's refusal or failure to complete the work within the specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the PHA in completing the work.
(b) The Contractor's right to proceed shall not be terminated or the Contractor charged with damages under this clause if –
  (1) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor; and
  (2) The Contractor, within 10 days from the beginning of such delay notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay. If, in the judgment of the Contracting Officer, the findings of Fact warrant such action, time for completing the work shall be extended by written modification to the contract. The findings of the Contracting Officer shall be reduced to a written decision which shall be subject to the provisions of the **Disputes** clause of this contract.
(c) If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligation of the parties will be the same as if the termination had been for convenience of the PHA.

5. Termination for Convenience

(a) The Contracting Officer may terminate this contract in whole, or in part, whenever the Contracting Officer determines that such termination is in the best interest of the PHA. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which the performance of the work under the contract is terminated, and the date upon which such termination becomes effective.
(b) If the performance of the work is terminated, either in whole or in part, the PHA shall be liable to the Contractor for reasonable and proper costs resulting from such termination upon the receipt by the PHA of a properly presented claim setting out in detail: (1) the total cost of the work performed to date of termination less the total amount of contract payments made to the Contractor; (2) the cost (including reasonable profit) of settling and paying claims under subcontracts and material orders for work performed and materials and supplies delivered to the site, payment for which has not been made by the PHA to the Contractor or by the Contractor to the subcontractor or supplier; (3) the cost of preserving and protecting the work already performed until the PHA or assignee takes possession thereof or assumes responsibility therefore; (4) the actual or estimated cost of legal and accounting services reasonably necessary to prepare and present the termination claim to the PHA; and (5) an amount constituting a reasonable profit on the value of the work performed by the Contractor.
(c) The Contracting Officer will act on the Contractor's claim within days (60 days unless otherwise indicated) of receipt of the Contractor's claim.
(d) Any disputes with regard to this clause are expressly made subject to the provisions of the Disputes clause of this contract.

6. Insurance

(a) Before commencing work, the Contractor and each subcontractor shall furnish the PHA with certificates of insurance showing the following insurance is in force and will insure all operations under the Contract:

(1) Workers' Compensation, in accordance with state or Territorial Workers' Compensation laws.

(2) Commercial General Liability with a combined single limit for bodily injury and property damage of not less than $ _____ [Contracting Officer insert amount] per occurrence to protect the Contractor and each subcontractor against claims for bodily injury or death and damage to the property of others. This shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under (3) below. If the Contractor has a "claims-made" policy, then the following additional requirements apply: the policy must provide a "retroactive date" which must be on or before the execution date of the Contract; and the extended reporting period may not be less than five years following the completion date of the Contract.

(3) Automobile Liability on owned and non -owned motor vehicles used on the site(s) or in connection therewith for a combined single limit for bodily injury and property damage of not less than $ _____ [Contracting Officer insert amount] per occurrence.

(b) Before commencing work, the Contractor shall furnish the PHA with a certificate of insurance evidencing that Builder's Risk (fire and extended coverage) Insurance on all work in place and/or materials stored at the building site(s), including foundations and building equipment, is in force. The Builder's Risk Insurance shall be for the benefit of the Contractor and the PHA as their interests may appear and each shall be named in the policy or policies as an insured. The Contractor in installing equipment supplied by the PHA shall carry insurance on such equipment from the time the Contractor takes possession thereof until the Contract work is accepted by the PHA. The Builder's Risk Insurance need not be carried on excavations, piers, footings, or foundations until such time as work on the superstructure is started. It need not be carried on landscape work. Policies shall furnish coverage at all times for the full cash value of all completed construction, as well as materials in place and/or stored at the site(s), whether or not partial payment has been made by the PHA. The Contractor may terminate this insurance on buildings as of the date taken over for occupancy by the PHA. The Contractor is not required to carry Builder's Risk Insurance for modernization work which does not involve structural alterations or additions and where the PHA's existing fire and extended coverage policy can be endorsed to include such work.

(c) All insurance shall be carried with companies which are financially responsible and admitted to do business in the State in which the project is located. If any such insurance is due to expire during the construction period, the Contractor (including subcontractors, as applicable) shall not permit the coverage to lapse and shall furnish evidence of coverage to the Contracting Officer. All certificates of insurance, as evidence of coverage, shall provide that no coverage may be canceled or non-renewed by the insurance company until at least 30 days prior written notice has been given to the Contracting Officer.

7. Contract Modifications

(a) Only the Contracting Officer has authority to modify any term or condition of this contract. Any contract modification shall be authorized in writing.

(b) The Contracting Officer may modify the contract unilaterally (1) pursuant to a specific authorization stated in a contract clause (e.g., Changes); or (2) for administrative matters which do not change the rights or responsibilities of the parties (e.g., change in the PHA address). All other contract modifications shall be in the form of supplemental agreements signed by the Contractor and the Contracting Officer.

(c) When a proposed modification requires the approval of HUD prior to its issuance (e.g., a change order that exceeds the PHA's approved threshold), such modification shall not be effective until the required approval is received by the PHA.

8. Changes

(a) The Contracting Officer may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make changes in the work within the general scope of the contract including changes:
(1) In the specifications (including drawings and designs);
(2) In the method or manner of performance of the work;
(3) PHA-furnished facilities, equipment, materials, services, or site; or,
(4) Directing the acceleration in the performance of the work.

(b) Any other written order or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contracting Officer that causes a change shall be treated as a change order under this clause; provided, that the Contractor gives the Contracting Officer written notice stating (1) the date, circumstances and source of the order and (2) that the Contractor regards the order as a change order.

(c) Except as provided in this clause, no order, statement or conduct of the Contracting Officer shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.

(d) If any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this contract, whether or not changed by any such order, the Contracting Officer shall make an equitable adjustment and modify the contract in writing. However, except for a adjustment based on defective specifications, no proposal for any change under paragraph (b) above shall be allowed for any costs incurred more than 20 days (5 days for oral orders) before the Contractor gives written notice as required. In the case of defective specifications for which the PHA is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Contractor in attempting to comply with the defective specifications.

(e) The Contractor must assert its right to an adjustment under this clause within 30 days after (1) receipt of a written change order under paragraph (a) of this clause, or (2) the furnishing of a written notice under paragraph (b) of this clause, by submitting a written statement describing the general nature and the amount of the proposal. If the facts justify it, the Contracting Officer may extend the period for submission. The proposal may be included in the notice required under paragraph (b) above. No proposal by the Contractor for an equitable adjustment shall be allowed if asserted after final payment under this contract.

(f) The Contractor's written proposal for equitable adjustment shall be submitted in the form of a lump sum proposal supported with an itemized breakdown of all increases and decreases in the contract in at least the following details:
(1) Direct Costs. Materials (list individual items, the quantity and unit cost of each, and the aggregate cost); Transportation and delivery costs associated with materials; Labor

breakdowns by hours or unit costs (identified with specific work to be performed); Construction equipment exclusively necessary for the change; Costs of preparation and/ or revision to shop drawings resulting from the change; Worker's Compensation and Public Liability Insurance; Employment taxes under FICA and FUTA; and, Bond Costs - when size of change warrants revision.

(2) Indirect Costs. Indirect costs may include overhead, general and administrative expenses, and fringe benefits not normally treated as direct costs.

(3) Profit. The amount of profit shall be negotiated and may vary according to the nature, extent, and complexity of the work required by the change.

The allowability of the direct and indirect costs shall be determined in accordance with the Contract Cost Principles and Procedures for Commercial Firms in Part 31 of the Federal Acquisition Regulation (48 CFR 1-31), as implemented by HUD Handbook 2210.18, in effect on the date of this contract. The Contractor shall not be allowed a profit on the profit received by any subcontractor. Equitable adjustments for deleted work shall include a credit for profit and may include a credit for indirect costs. On proposals covering both increases and decreases in the amount of the contract, the application of indirect costs and profit shall be on the net-change in direct costs for the Contractor or subcontractor performing the work.

(g) The Contractor shall include in the proposal its request for time extension (if any), and shall include sufficient information and dates to demonstrate whether and to what extent the change will delay the completion of the contract in its entirety.

(h) The Contracting Officer shall act on proposals within 30 days after their receipt, or notify the Contractor of the date when such action will be taken.

(i) Failure to reach an agreement on any proposal shall be a dispute under the clause entitled Disputes herein. Nothing in this clause, however, shall excuse the Contractor from proceeding with the contract as changed.

(j) Except in an emergency endangering life or property, no change shall be made by the Contractor without a prior order from the Contracting Officer.

9. Examination and Retention of Contractor's Records

The HA, HUD, or Comptroller General of the United States, or any of their duly authorized representatives shall, until three years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.

10. Rights in Data and Patent Rights (Ownership and Proprietary Interest)

The HA shall have exclusive ownership of, all proprietary interest in, and the right to full and exclusive possession of all information, materials, and documents discovered or produced by Contractor pursuant to the terms of this Contract, including but not limited to reports, memoranda or letters concerning the research and reporting tasks of this Contract.

11. Energy Efficiency

The Contractor shall comply with all mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under this contract is performed.

12. Procurement of Recovered Materials

(a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor shall procure items designated in the EPA guidelines that contain the highest percentage of recovered materials practicable unless the Contractor determines that such items: (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology, if applicable to the item; or (3) are only available at an unreasonable price.

(b) Paragraph (a) of this clause shall apply to items purchased under this contract where: (1) the Contractor purchases in excess of $10,000 of the item under this contract; or (2) during the preceding Federal fiscal year, the Contractor: (i) purchased any amount of the items for use under a contract that was funded with Federal appropriations and was with a Federal agency or a State agency or agency of a political subdivision of a State; and (ii) purchased a total of in excess of $10,000 of the item both under and outside that contract.

13. Training and Employment Opportunities for Residents in the Project Area (Section 3, HUD Act of 1968; 24 CFR 135)

(a) The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

(b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 regulations.

(c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the

qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

(d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

(e) The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

(f) Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

14. Labor Standards - Davis-Bacon and Related Acts

(a) Minimum Wages.

(1) All laborers and mechanics employed under this contract in the construction or development of the project(s) involved will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the regular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(2) (i) Any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when all the following criteria have been met:

(a) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(b) The classification is utilized in the area by the construction industry; and

(c) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employee Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.

(iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.

(iv) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (a)(2)(ii) or (iii) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(3) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(4) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part

of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; ***provided***, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(b) Withholding of Funds. HUD or its designee shall, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working in the construction or development of the project, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due.

(c) Payrolls and Basic Records.

(1) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working in the construction or development of the project. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under 29 CFR 5.5(a)(1)(iv), that the wages of any laborer or mechanic include the amount of costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(2) (i) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under subparagraph (c)(1) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1214-0149.)

(ii) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(A) That the payroll for the payroll period contains the information required to be maintained under paragraph (c)(1) of this clause and that such information is correct and complete;

(B) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3; and

(C) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirements for submission of the "Statement of Compliance" required by subparagraph (c)(2)(ii) of this clause.

(iv) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(3) The Contractor or subcontractor shall make the records required under subparagraph (c)(1) available for inspection, copying, or transcription by authorized representatives of HUD or its designee, the Contracting Officer, or the Department of Labor and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(d) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services (OATELS), or with a State Apprenticeship Agency recognized by OATELS, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by OATELS or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(e) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(f) Equal Employment Opportunity. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

(g) Compliance with Copeland Act Requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.

(h) Contract Termination; Debarment. A breach of the labor standards clauses in this contract may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

(i) Compliance with Davis-Bacon and related Act Requirements. All rulings and interpretations of the Davis-Bacon and related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

(j) Disputes Concerning Labor Standards. Disputes arising out of the labor standards provisions of this clause shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the PHA, HUD, the U.S. Department of Labor, or the employees or their representatives.

(k) Certification of Eligibility.

(1) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a United States Government

contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(3) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

(l) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts all the provisions contained in this clause, and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these provisions.

(m) Non-Federal Prevailing Wage Rates. Any prevailing wage rate (including basic hourly rate and any fringe benefits), determined under State law to be prevailing, with respect to any employee in any trade or position employed under the contract, is inapplicable to the contract and shall not be enforced against the Contractor or any subcontractor, with respect to employees engaged under the contract whenever such non-Federal prevailing wage rate exceeds:

(i) the applicable wage rate determined by the Secretary of Labor pursuant to the Davis-Bacon Act (40 U.S.C. 3141 et seq.) to be prevailing in the locality with respect to such trade;

(ii) an applicable apprentice wage rate based thereon specified in an apprenticeship program registered with the U.S. Department of Labor (DOL) or a DOL-recognized State Apprenticeship Agency; or

(iii) an applicable trainee wage rate based thereon specified in a DOL-certified trainee program.

The Housing Authority of the City of Lakeland	SECTION 3 BUSINESS FORM
Company Name.	Employer (IRS) No:
Address:	Type of Business: =i Minority - Owned Business c' Women - Owned Business

THE CONTRACTOR REPRESENTS AND CERTIFIES AS PART OF ITS OFFER THAT IT:

IS A SECTION 3 BUSINESS CONCERN (ATTACHED FOR CERTIFICATION)

- ☐ 51% or more owned by Section 3 residents
- ☐ 30% of your permanent, full-time workforce composed of current Section 3 residents
- ☐ 30% of your permanent, full time workforce employees who, within 3 years employment with your business were Section 3 residents

☐ IS NOT A SECTION 3 BUSINESS CONCERN BUT WHO HAS AND WILL CONTINUE TO SEEK COMPLIANCE WITH SECTION 3 BY CERTIFYING THE ATTACHED FORM, STATING EFFORTS TO AWARD SUBCONTRACTORS TO SECTION 3 CONCERNS.

BACKGROUND:

Section 3 of the Housing and Community Development Act of 1968, as amended, requires that when employment or contract opportunities area generated because a project or activity undertaken by recipient of HUD financial assistance necessitated the employment of additional personnel through individual hiring or the awarding of contracts for work, the recipient must give preference in hiring low and very low-income persons Section 3 requires that recipients not only include low and very low persons in their recruitment and solicitation efforts, but that in fact, extra or great efforts be undertaken to make these persons aware of the existence of economics opportunities, encourage their application for these opportunities, and facilitate the employment of, or award of contracts to these persons

Section 3 covered assistance means:

- Public and Indian Housing Operating Assistance
- Public and Indian Housing Modernization Assistance.
- Assistance provided under any HUD Housing or Community Development program that is expended for work arising in connection with Housing rehabilitation, Housing construction, and other public construction (including other buildings or improvements, regardless of ownership)

A Section 3 resident is defined as: **who 1s:** (a) A Public Housing Resident (b) An individual who resides in the Metropolitan Area and

FY 2021 Income Limit Area	Median Family Income	FY 2021 Income Limit Category	Persons in Family 1	2	3	4	5	6	7	8
Lakeland-Winter Haven FL. MSA	$62,100	Very Low (50%) Income Limits($)	21,600	24,700	27,800	30,850	33,350	33,350	38,300	40,750
		Extremely Low Income Limits($)	12,950	17,420	21,960	26,500	31,040	35,580	38,300	40,750
		Low (80%) Income Limits($)	34,550	39,500	44,450	49,350	53,300	57,250	61,200	65,150

NOTE: Polk County is part of the Lakeland-Winter Haven, FL MSA, so all information presented here applies to all of the Lakeland-Winter Haven, FL MSA.

The **Lakeland-Winter Haven, FL MSA** contains the following areas: Polk County, FL

I hereby certify to the best of my knowledge and belief that the information provided in this document is true and correct.

_____ _____

Name of Authorized Official Signature of Authorized Official and Date

Paint Schedule/Specification

Renaissance at Washington Ridge

Renaissance at Washington Ridge

Presented By:
Martin Joyce
SALES- Sales Representative PC Multi-Segment

(863) 559-8454
martin.j.joyce@sherwin.com

SHERWIN-WILLIAMS
617 S FLORIDA AVE
LAKELAND, FL 33801 5230
(863) 686-4137

June 01, 2022

Paint Schedule/Specification

Project: Renaissance at Washington Ridge

Customer: HOUSING AUTHORITY OF LAKELAND
430 HARTSELL AVE, LAKELAND, FL, 338021009

Dear Lori Halula-Eyer:

Thank you for considering Sherwin-Williams products for the Renaissance at Washington Ridge project. Included in this package is the Sherwin-Williams submittal for the above referenced project.

Should you require assistance or have any questions or concerns, please contact me at (863) 559-8454 or e-mail me at martin.j.joyce@sherwin.com.

Martin Joyce
SALES- Sales Representative PC Multi- Segment

(863) 559-8454
martin.j.joyce@sherwin.com

SHERWIN-WILLIAMS
617 S FLORIDA AVE, LAKELAND, FL 33801 5230

Exterior Finishes

Steel/Ferrous Metal

Primer: B50WZ0001 - Kem Kromik® Universal Metal Primer
- Location: Playground Metal Swing Structure

Notes: Pressure wash all substrates to be painted. Wire brush / wire wheel all rust areas to a tightly adhered surface. Scrape/sand loose paint to well-adhered edges. Prime metal with Kem Kromik Universal Metal Primer.

2 Coats: B54W00151 - Pro Industrial Urethane Alkyd Enamel
- Location: Playground Metal Swing Structure

Previously Coated Surfaces

Primer: B66W01310 - Pro Industrial ProCryl Primer
- Location: Playground Metal Roof Structure

Notes: Pressure wash all substrates to be painted. Prime metal roof with Pro Industrial ProCryl Primer before applying topcoat.

2 Coats: B66W00351 - Sher-Cryl HPA High Performance Acrylic Semi-Gloss Coating
- Location: Playground Metal Roof Structure

Primer: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer
- Location: Entry Doors

Notes: Clean doors with Simple Green Degreaser to remove contaminants. Scuff sand doors to promote adhesion.

Finish: K62W00651 - Latitude Exterior Satin
- Location: Entry Doors

Aluminum

Spot Prime: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer
- Location: Aluminum Trim

Notes: Pressure wash all substrates to be painted. Scrape/Sand loose peeling paint to well-adhered edges. Spot prime bare areas with ProBlock Latex Primer/Sealer

Finish: A89W02151 - SuperPaint® Exterior Latex Satin
- Location: Aluminum Trim

Wood - Exterior

Spot Prime: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer
- Location: Exterior Wood Trim

Notes: Spot prime any bare or repair areas.

Wood Filler Repair: 042853000 - Minwax® Stainable Wood Filler
- Location: Exterior Wood Trim

Notes: Pressure wash all substrates to be painted. Use wood filler to repair any voids on wood trim

Sealant: LX51H0010 - Loxon H1 Polyurethane Sealant
- Location: Exterior Wood Trim

Notes: Sealant for joint areas.

Finish: A89W02151 - SuperPaint® Exterior Latex Satin
- Location: Exterior Wood Trim

Vinyl Siding, Architectural Plastics, PVC and Fiberglass

Spot Prime: B51W00620 - PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer
- Location: Vinyl Siding
Notes: Spot primer for any stain areas. DO NOT TINT primer that will be used on vinyl areas.

Finish: A89W02151 - SuperPaint® Exterior Latex Satin
- Location: Vinyl Siding
Notes: SuperPaint Exterior Satin MUST be tinted with VINYL SAFE COLORANTS for vinyl siding areas!

Touch-Up, Maintenance and Repair

Sealant for doors, windows, & misc repair areas: LX51H0010 - Loxon H1 Polyurethane Sealant
- Location: Sealant for windows, doors, building penetrations, & misc areas that need to be re-sealed.
Notes: Use Loxon Polyurethane Sealant for any doors, windows, building penetrations, or repair areas that need to be sealed. Old sealant must be removed before installtion of new sealant. Backer rod may be required for some areas.

Basic Surface Preparation

Coating performance is directly affected by surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. As high as 80% of all coating failures can be directly attributed to inadequate surface preparation that affects coating adhesion. Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

The majority of paintable surfaces are concrete, ferrous metal, galvanizing, wood and aluminum. They all require protection to keep them from deteriorating in aggressive environments. Selection of the proper method for surface preparation depends on the substrate, the environment, the coating selected, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless the products to be used are designed to be used in those environments.

Aluminum – **S-W 1:** Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

Block (Cinder and Concrete) – **S-W 3:** Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 28 days at 75°F. The pH of the surface should be between 6 and 9. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound (per ASTMD4261).

Brick – **S-W 4:** Must be free of dirt, loose and excess mortar, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Conditioner.

Concrete and Masonry – Concrete, Poured – Exterior or Interior– **S-W 5:** The preparation of new concrete surfaces is as important as the surface preparation of steel. The following precautions will help assure maximum performance of the coating system and satisfactory coating adhesion:
1. Cure – Concrete must be cured prior to coating. Cured is generally defined as concrete poured and aged at a material temperature of at least 75°F for at least 28 days unless specified products are designed for earlier application.
2. Moisture – Reference ASTM F1869-98 Moisture Test by use of Calcium Chloride or ASTM D4263 Plastic Sheet Method Concrete must be free from moisture as much as possible (it seldom falls below 15%). Vapor pressures, temperature, humidity, differentials, and hydrostatic pressures can cause coatings to prematurely fail. The source of moisture, if present, must be located, and the cause corrected prior to coating.
3. Temperature – Air, surface and material temperatures must be in keeping with requirements for the selected product during and after coating application, until coating is cured.

4. Contamination – Remove all grease, dirt, paint, oil, laitance, efflorescence, loose mortar, and cement by the recommendations listed in the surface preparation section.

5. Surface Condition – Hollow areas, bug holes, voids, honeycombs, fin form marks, and all protrusions or rough edges are to be ground or stoned to provide a continuous surface of suitable texture for proper adhesion of the coating. Imperfections may require filling, as specified, with a recommended Sherwin-Williams product.

6. Concrete Treatment – Hardeners, sealers, form release agents, curing compounds, and other concrete treatments should be removed to ensure adequate coating adhesion and performance.

Methods of Surface Preparation on Concrete per SSPC-SP13/NACE 6 or ICRI 03732 Surface Cleaning Methods:
Vacuum cleaning, air blast cleaning, and water cleaning per ASTM D4258.
Used to remove dirt, loose material, and/or dust from concrete.
Detergent water cleaning and steam cleaning per ASTM D4258.
Used to remove oils and grease from concrete. Prior to abrasive cleaning, and after abrasive cleaning, surfaces should be cleaned by one of the methods described above.

Mechanical Surface Preparation Methods:
Dry abrasive blasting, wet abrasive blasting, vacuum assisted abrasive blasting, and centrifugal shot abrasive blasting per ASTM D4259. Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.
High-pressure water cleaning or water jetting per SSPC-SP12-NACE5.
Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.
Impact tool methods per ASTM D4259.
Used to remove existing coatings, laitance, and weak concrete. Methods include scarifying, planing, scabbling, and rotary peening. Impact tools may fracture concrete surfaces or cause microcracking requiring surface repair.
Power tool methods per ASTM D4259.
Used to remove existing coatings, laitance, weak concrete, and protrusions in concrete. Methods include circular grinding, sanding, and wire brushing. These methods may not produce the required surface profile to ensure adequate adhesion of subsequent coatings.

Chemical Surface Preparation Methods:
Acid etching per ASTM D4260. Use to remove some surface contaminants, laitance, and weak concrete, and to provide a surface profile on horizontal concrete surfaces. This method requires complete removal of all reaction products and pH testing to ensure neutralization of the acid. Not recommended for vertical surfaces. Etching with hydrochloric acid shall not be used where corrosion of metal in the concrete is likely to occur. Adequate ventilation and safety equipment required.
1. Clean surface per ASTM D4268
2. Wet surface with clean water
3. Etch with 10-15% muriatic acid solution at the rate of 1 gallon per 75 square feet
4. Scrub with stiff brush
5. Allow sufficient time for scrubbing and until bubbling stops
6. If no bubbling occurs, surface is contaminated. Refer to ASTM D4258 or ASTM D4259
7. Rinse surface two or three times. Remove acid/water each time.
8. Surface should a texture similar to medium grit sandpaper.
9. Neutralize surface with a 3% solution of tri-sodium phosphate and flush with clean water.
10. Allow to dry and check for excess moisture.

Cement Composition Siding/Panels – S-W 6: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, many times the pH may be 10 or higher.

Composition Board (Hardboard) – S-W 9: Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyd primer.

Copper – **S-W 7:** Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP2, Hand Tool Cleaning.

Drywall—Interior and Exterior – **S-W 8:** Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

Galvanized Metal – **S-W 10:** Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

Plaster – **S-W 11:** Must be allowed to dry thoroughly for at least 30 days before painting. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Steel/Ferrous Metal Substrates

SSPC-SP1- Solvent Cleaning: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. Follow manufacturer's safety recommendations when using solvents. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.1. (Refer to each products cleaning instructions. Many acrylic coatings will state; When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.)**

SSPC-SP2 - Hand Tool Cleaning: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.2.

SSPC-SP3 - Power Tool Cleaning: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.3.

SSPC-SP5 / NACE 1 - White Metal Blast Cleaning: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/ NACE No.1.

SSPC-SP6 / NACE 3 - Commercial Blast Cleaning: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE No.3.

SSPC-SP7 / NACE 4 - Brush-Off Blast Cleaning: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mil scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP7/NACE No.4.

SSPC-SP10 / NACE 2 - Near-White Blast Cleaning: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPCSP10/ NACE No.2.

SSPC-SP11 - Power Tool Cleaning to Bare Metal: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC -SP 1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.11.

SSPC-SP12 / NACE 5 - Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating: High- and Ultra -High Pressure Water Jetting for Steel and Other Hard Materials This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only, without the addition of solid particles in the stream. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP12/NACE No.5.

SSPC-SP13 / NACE 6 or ICRI 03732 - Surface Preparation of Concrete: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a dry, sound, uniform substrate suitable for the application of protective coating or lining systems. Depending upon the desired finish and system, a block filler may be required. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP13/NACE No.6 or ICRI 03732

SSPC-SP14 / NACE 8 – Industrial Blast Cleaning: This standard gives requirements for industrial blast cleaning of unpainted or painted steel surfaces by the use of abrasives. This joint standard allows defined quantities of mill scale and/or old coating to remain on the surface. An industrial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, and dirt. Traces of tightly adherent mill scale, rust, and coating residue are permitted to remain on 10% of each unit area of the surface. The traces of mill scale, rust, and coating shall be considered tightly adherent if they cannot be lifted with a dull putty knife. Shadows, streaks, and discolorations caused by stains of rust, stains of mill scale, and stains of previously applied coating may be present on the remainder of the surface.

SSPC-SP16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals: This standard covers the requirements for brush-off blast cleaning of uncoated or coated metal surfaces other than carbon steel by the use of abrasives. These requirements include visual verification of the end condition of the surface and materials and procedures necessary to achieve and verify the end condition. A brush-off blast cleaned non-ferrous metal surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, metal oxides (corrosion products), and other foreign matter. Intact, tightly adherent coating is permitted to remain. A coating is considered tightly adherent if it cannot be removed by lifting with a dull putty knife.

High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials:
SSPC-SP WJ-1/NACE WJ-1: Clean to Bare Substrate (WJ-1) is intended to be similar to the degree of surface cleanliness of SSPC-SP 5/NACE 1, except that stains are permitted to remain on the surface. This standard is used when the objec-tive is to remove every trace of rust and other corrosion products, coating and mill scale.
SSPC-SP WJ-2/NACE WJ-2: Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objec-tive is to remove almost all rust and other corrosion products, coating, and mill scale.
SSPC-SP WJ-3/NACE WJ-3: Thorough Cleaning (WJ-3) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove much of the rust and other corrosion products, coating, and mil scale, leaving tightly adherent thin films.
SSPC-SP WJ-4/NACE WJ-4: Light Cleaning (WJ-4) is intended to be similar to the degree of surface cleanli-ness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to allow as much of the tightly adherent rust and other corro-sion products, coating, and mill scale to remain as possible, Discoloration of the surface may be present.

Water Blasting NACE Standard RP-01-72: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.

Stucco S-W 22 : Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9.

Wood—Exterior – S-W 23: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth. Caulk should be applied after priming.

Wood—Interior – S-W 24: All finishing lumber and flooring must be stored in dry, warm rooms to prevent absorption of moisture, shrinkage, and roughening of the wood. All surfaces must be sanded smooth, with the grain, never across it. Surface blemishes must be corrected and the area cleaned of dust before coating.

Vinyl Siding, Architectural Plastics, PVC & Fiberglass: – S-W 24: Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe® Colors are not used and darker colors lower than an LRV of 56 are, the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Previously Coated Surfaces – S-W 12: Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale dirt, foreign matter, rust, mold, mildew, mortar, efflorescence, and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation, or, wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required per ASTM D4259.

Touch-Up, Maintenance and Repair
For a protective coating system to provide maximum long-term protection, regularly scheduled maintenance is required. Maintenance includes inspection of painted areas, cleaning of surfaces to remove oils, chemicals, and other contaminants, and touch-up of areas where the coatings have been damaged. Highly corrosive areas, such as those subjected to frequent chemical spillage, corrosive fumes, and/or high abrasion or temperature areas should be inspected frequently – every six months, for example. Areas exposed to less severe conditions, such as interiors and exteriors of potable water tanks, may be inspected annually to assess the condition of the coating system.

The SSPC-VIS 2, Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces, can be used as a guide to determine appropriate touch-up and repairs maintenance schedules. Touch-up would be suggested when the surface resembles Rust Grade 5-S (Spot Rusting), 6-G (General Rusting), or 6-P (Pinpoint Rusting). Surface preparation would generally consist of SSPC-SP2, SP3, SP11, or SP12. Overcoating a well protected, but aged steel surface showing no evidence of rusting, may be achieved by Low Pressure Water Cleaning per SSPC-SP12/WJ4, and applying an appropriate coating system.

Full removal of the existing coating system by abrasive blasting would be recommended when the surface resembles Rust Grade 3-S (Spot Rusting), 4-G (General Rusting), or 4-P (Pinpoint Rusting). When the coating system has deteriorated to encompass approximately 33% of the surface area, it is always more economical to consider full removal and reapplication of the appropriate protective coating system.

Mildew –Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.
Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Site Audit

The opinions and recommendations set forth herein are based on observations made by your Sherwin-Williams Representative and are limited to the conditions and circumstances at the time of the site visit. Such observations are subject to change based upon factors beyond the control of Sherwin-Williams and pertain to the product or products offered at the time of the report. Further testing and evaluation of the property may be necessary.

Exterior Siding

Substrate: Vinyl Siding, Architectural Plastics, PVC and Fiberglass

General Condition: Good

Existing Conditions: Mildew, Dirty Surface

Comments: Spot treat mildew areas with a bleach/water solution to neutralize mildew growth. Pressure wash all substrates to be painted.

Substrate: Vinyl Siding, Architectural Plastics, PVC and Fiberglass

General Condition: Fair

Existing Conditions: Large Cracks, Dirty Surface

Comments: Pressure wash all substrates to be painted. Repair damaged siding before repainting.

Exterior Trim

Substrate: Aluminum

General Condition: Good

Existing Conditions: Peeling Paint, Dirty Surface

Comments: Pressure wash all substrates to be painted. Scrape loose/peeling paint to well-adhered edges. Spot prime bare with ProBlock Latex Primer/Sealer.

Exterior Wood Trim

Substrate: Wood - Exterior

General Condition: Fair

Existing Conditions: Large Cracks, Dirty Surface

Comments: Pressure wash all substrates to be painted. Wood trim needs to be repaired to eliminate the current gap that is allowing water to penetrate behind the substrate. After the wood trim is repaired, seal the joint with Loxon Polyurethane Sealant.

Playground Metal

Substrate: Steel/Ferrous Metal

General Condition: Fair

Existing Conditions: Rust Stains, Peeling Paint, Dirty Surface

Comments: Pressure wash all substrates to be painted. Scrape loose/peeling paint to well-adhered edges. Wire brush / wire wheel rust areas to tightly adhered surface.

Playground Metal Roof

Substrate: Previously Coated Surfaces

General Condition: Good

Comments: Spot treat mildew areas with a bleach/water solution to neutralize mildew growth. Pressure wash all substrates to be painted.

Reference Pages

Data Pages

125.20

Kem Kromik®
Universal Metal Primer

B50NZ0006 Brown, B50WZ0001 Off White, B50AZ0006 Gray

CHARACTERISTICS

KEM KROMIK UNIVERSAL METAL PRIMER is a rust inhibiting, modified phenolic alkyd resin primer designed for use over iron and steel substrates. Can be used as a universal primer under high performance topcoats. Suitable as a barrier coat over conventional coatings which would normally be attacked by strong solvents in high performance coatings.

For use on properly prepared: Steel

Features:
- High film build to protect sand blasted steel
- Corrosion resistant
- Universal, can be topcoated with epoxies and urethanes
- Exterior-interior metal primer
- Suitable for use in USDA inspected facilities

Recommended for use in:
- Shopcoat primer
- Maintenance primer
- Structural steel
- Machinery
- Marine vessels
- Barrier coating
- Hand rail
- Storage tanks
- Bar joists
- Steel pipe

Color:	Brown, Off White, Gray

Recommended Spreading Rate per coat:
(B50NZ0006 varies by base)

Wet mils:	6.0-8.0
Dry mils:	3.2-4.2
Coverage sq. ft. per gallon:	202-265
Theoretical coverage: sq. ft. per gallon @ 1 mil dry	850

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

	@40°F	@77°F	@110°F
To touch :	2 hour	30 min.	15 min.
Tack handle:	2.5 hours	1 hour	20 min.
To recoat: with itself and alkyds	2.5 hours	1 hour	45 min.
To recoat:*	36 hours	16 hours	16 hours
To recoat: with acrylic latex paints	48-72 hours	48-72 hours	48-72 hours
Cure time	7 days	7 days	7 days

* Recoat with hot solvent urethane or epoxies or high performance coatings.

Drying, and recoat times are temperature, humidity, and film thickness dependent.

Tinting:	**Do Not Tint**
Finish:	**Flat**

Brown B50NZ0006
(may vary by color)

V.O.C. (less exempt solvents):	408 grams per litre; 3.40 lbs. per gallon As per 40 CFR 59.406
Volume Solids:	53 ± 2%
Weight Solids:	73 ± 2%
Weight per Gallon:	12.70 lb
Flash Point:	80°F PMCC
Shelf Life:	36 months, unopened

COMPLIANCE

As of 06/30/2021, Complies with:

OTC	No
OTC Phase II	No
S.C.A.Q.M.D.	No
CARB	No
CARB SCM 2007	No
CARB SCM 2020	No
Canada	No
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Temperature:

minimum	40°F / 4.4°C
maximum	120°F / 49°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Not recommended Xylene,R2K4
Airless Spray:	
Pressure	1800-3000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015-.019 inch
Filter	60 mesh
Conventional Spray:	Binks 95
Brush	Natural Bristle
Roller Cover	3/8 inch woven with solvent resistant core

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Not recommended for immersion service or exposure to acids, alkalis, or strong solvents.

Intimate contact with the steel surface and primer is necessary for adequate rust inhibition and adhesion.

For maximum adhesion, acrylic topcoats require 48 - 72 hours drying of primer.

SPECIFICATIONS

Steel:
1 coat Kem Kromik Universal Primer
2 coats Topcoat

Acceptable Topcoats:
Acrolon 218 HS Polyurethane
Hi-Solids Polyurethane
Industrial Enamel
Macropoxy 646 Epoxy
Macropoxy HS Epoxy
Metalatex Semi-Gloss Enamel
Pro Industrial Acrylic
Pro Industrial Waterbased Epoxy
Pro Industrial Waterbased Alkyd-Urethane
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy & Urethane
Pro Industrial Urethane Alkyd Enamel
Pro Industrial Waterbased Acrolon 100
Sher-Cryl
Silver-Brite Aluminum
Steel Master 9500
Tile-Clad HS Epoxy

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

continued on back

Kem Kromik®
Universal Metal Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel- Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6-NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Other substrates may or may not be appropriate. If a specific substrate is not listed above, consult your Sherwin-Williams representative for more information**.**

As a "Barrier" Coat - If it is necessary to topcoat a previously painted surface with chemically resistant or strong solvent topcoats, Kem Kromik Universal Metal Primer can be used as a barrier coat to help reduce lifting. Apply a coat of Kem Kromik Universal Metal Primer to a small area to test for adhesion or bleeding. If there is evidence of either poor adhesion or bleeding, clean surface to bare steel and apply recommended system.

Ductile Iron Pipe Atmospheric Service: Minimum surface preparation is power tool clean per National Association of Pipe Fabricators (NAPF) standards. First remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.Then power tool clean per NAPF 500-03-03. All existing coatings must be removed prior to priming. This includes but not limited to shop primers, asphaltic coatings or casting agents. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Ductile Iron Fittings Atmospheric Service: Minimum surface preparation is abrasive blast cleaning per NAPF standards. First remove all oil and grease from surface by Solvent Cleaning NAPF 500-03-01. Then abrasive blast cleaning per NAPF 500-03-05.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Off White B50WZ0001

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP6-NACE 3
Primer: 1 coat Kem Kromik @ 4.5-5 Mils W.F.T.

Adhesion:
Method: ASTM D3359
Result: 4B

Corrosion Resistance:
Method: ASTM D5894, 1008
Result: Pass

Dry Heat Resistance
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 1/4 inch mandrel
Result: Pass

Fineness of grind[1]:
Method: Hegman
Result: 4 Hegman minimum

Sag Test[1]**:**
Method: ASTM D4400
Result: 12 mils minimum

Viscosity[1]**:**
Method: Krebs Units
Result: 84-94 KU

Water Resistance:
Result: Pass

[1] Standard test based on Certificate of Analysis

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDSs) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters & tools with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW	06/30/2021	B50NZ0006	43 408
HOTW	06/30/2021	B50WZ0001	40 389
HOTW	06/30/2021	B50AZ0006	22 387

Pro Industrial
Urethane Alkyd Enamel

B54-150 Series

CHARACTERISTICS

Pro Industrial Urethane Alkyd Enamel is a high gloss coating intended for interior-exterior use in industrial environments. It is easy to brush, roll or spray. Provides performance comparable to silicone alkyds.

For use on properly prepared
Steel, Concrete, Wood, Plaster, Previously painted, Primed Galvanized & Aluminum,

Features:
- Modified with urethane resin for increased exterior durability
- Resistant to chipping and flaking
- Resists premature yellowing compared to conventional alkyds
- Abrasion resistance
- Appropriate for interior and exterior applications
- Excellent application characteristics
- Suitable for use in USDA inspected facilities

Recommended for use in:
• Interior-exterior • New construction • Railings-frames • Machinery • Structural Steel • Steel doors • Steel supports • Equipment • Repaints • Storage tanks • Bar joists • Pipe marking • Fire escapes • Conveyors

Color:	Extra White, Ultradeep, Black and Safety Colors
Recommended Spreading Rate per coat:	
Wet mils:	3.5-7.0
Dry mils:	2.0-4.0
Coverage sq. ft. per gallon:	228-457
Theoretical coverage: sq. ft. per gallon @ 1 mil dry	914

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet, @ 50% RH:

	@45°F	@77°F	@120°F
To touch	4 hours	2.5 hours	30 minutes
Tack free	10 hours	4 hours	2 hours
To recoat	36 hours	18 hours	8 hours
To cure	7 days	7 days	5 days

Drying, and recoat times are temperature, humidity, and film thickness dependent.

Tinting with BAC, Maxitoner or GIC:

Base	oz. per gallon	Strength
Extra White	%SherColor	SherColor
Ultradeep Base	4-12	SherColor

Check color before using. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Finish: 75°+ @60° Gloss

Extra White B54W00151
(may vary by color)

V.O.C. (less exempt solvents): As mixed

333 grams per litre; 2.78 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	57 ± 2%
Weight Solids:	71 ± 2%
Weight per Gallon:	9.69 lb
Flash Point:	104°F TCC
Shelf Life:	36 months, bases 12 months, colors

COMPLIANCE

As of 07/14/2021, Complies with:

OTC	Yes
OTC Phase II	No
S.C.A.Q.M.D.	No
CARB	No
CARB SCM 2007	No
CARB SCM 2020	No
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	No

APPLICATION

Temperature:	
minimum	40°F / 4.4°C
maximum	120°F / 49°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	No reduction in restricted areas
	Mineral Spirits, R1K4* or Xylene, R2K4
Airless Spray:	
Pressure	1800 p.s.i.
Hose	3/8 inch I.D.
Tip	.017-.019 inch
Filter	60-100 mesh
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63PB
Atomization Pressure	50 p.s.i.
Fluid Pressure	20-25 p.s.i.
Reduction	As needed up to 10% by volume
Brush	Natural Bristle
Roller Cover	1/4-3/8 inch lambswool or synthetic cover

* To maintain VOC compliance of 340 g/L, only a 2% reduction of Mineral Spirits, R1K4 is allowed.

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.
Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas.
When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

SPECIFICATIONS

Steel Alkyd Primer:
1 coat Kem Bond HS Primer
or
1 coat Kem Kromik Universal Metal Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Steel Acrylic Primer:
1 coat Pro Industrial Pro-Cryl Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Aluminum:
1 coat DTM Wash Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Galvanizing:
1 coat DTM Wash Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Concrete Block:
1 coat Pro Industrial Heavy Duty Block Filler
1-2 coats Pro Industrial Urethane Alkyd Enamel

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Interior Plaster & Poured Concrete Walls:
1 coat Loxon Concrete and Masonry Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Wood, Exterior:
1 coat Exterior Oil-Based Wood Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Wood, Interior:
1 coat Premium Wall & Wood Primer
1-2 coats Pro Industrial Urethane Alkyd Enamel

Wood, floors (Foot traffic):
1-2 coats Pro Industrial Urethane Alkyd Enamel

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

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Pro Industrial
Urethane Alkyd Enamel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6-NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Primer required. Primer required.

Galvanizing - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Primer required.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6- ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F(23.9°C). Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat alkali resistant primer, following label recommendations. Primer required.

Drywall - Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Self priming.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Extra White B54W00151

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Primer: 1 coat Kem Bond HS @ 1.9 Mils D.F.T.
Finish: 1 coat Pro Industrial Urethane Alkyd @ 2.0 Mils D.F.T.

Abrasion Resistance:
Method: ASTM D4060
Result: 79 mg loss

Adhesion:
Method: ASTM D4541
Result: 522 p.s.i.

Corrosion Weathering:
Method: ASTM D5894, 10 cycles
Result: Rating 10, per ASTM D714 for Blistering. Rating 10 per ASTM D1654 for corrosion

Direct Impact Resistance:
Method: ASTM D2794
Result: 60 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522,1/4 inch mandrel
Result: Pass

Humidity Resistance:
Method: ASTM D4585, 500 hours
Result: Rating 2 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion

Pencil Hardness:
Method: ASTM-D3363
Result: 2B

Water Vapor Permeance (US) : 5.80 perms
ASTM D1653 grains/(hr ft2 in Hg)

Do not use colorants formulated for interior use only when applying exterior.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDSs) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters & tools with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW	07/14/2021	B54W00151	20 325
HOTW	07/14/2021	B54T00154	12 326

113.05A

Pro Industrial™ Pro-Cryl®
Universal Primer

B66-1300 Series

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

Features:
- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, wood

Finish:	Low Sheen
Color:	Off White, Medium Grey, and Red Oxide

Recommended Spreading Rate per coat:

Wet mils:	5.0-10.0
Dry mils:	1.9-3.8
Coverage:	160-320 sq.ft. per gallon
Theoretical Coverage:	609 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:
Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

Tinting: **DO NOT TINT**

Off White B66W01310
(may vary by base)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	38 ± 2%
Weight Solids:	49 ± 2%
Weight per Gallon:	10.09 lb
Flash Point:	N/A
Shelf Life:	36 months, unopened

COMPLIANCE

As of10/11/2021, Complies with:

OTC	**Yes**
OTC Phase II	**Yes**
S.C.A.Q.M.D.	**Yes**
CARB	**Yes**
CARB SCM 2007	**Yes**
CARB SCM 2020	**Yes**
Canada	**Yes**
LEED® v4 & v4.1 Emissions	**Yes**
LEED® v4 & v4.1 V.O.C.	**Yes**
EPD-NSF® Certified	**Yes**
MIR-Manufacturer Inventory	**Yes**
MPI®	**Yes**

APPLICATION

Temperature:

minimum	40°F
maximum	120°F
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water
Airless Spray:	
Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015 - .019 inch
Filter	60 mesh
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	60 p.s.i.
Fluid Pressure	25 p.s.i.
Reduction:	as needed up to 5 % by volume
Brush	Nylon-polyester
Roller Cover	3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

No painting should be done immediately after a rain or during foggy weather.

For optimal performance, this primer should be topcoated.
For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

SPECIFICATIONS

Acceptable Water Based topcoats:

1-2 coats Pro Industrial Acrylic Coating or
Pro Industrial Acrylic Dryfall
Pro Industrial DTM Acrylic
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy
Pro Industrail Pre-Catalyzed Urethane
Pro Industrial Water Based Acrolon 100
Pro Industrial Water Base Alkyd Urethane
Pro Industrial Water Based Catalyzed Epoxy
Sherwin-Williams Architectural Coatings

Acceptable Solvent Based topcoats:

Pro Industrial High Performance Epoxy
Pro Industrial Series
Industrial Enamels
Steel Master 9500 Silicone Alkyd
Tile-Clad HS Epoxy
Water Based Catalyzed Epoxy

The finishes listed above are representative of the product's use, other finishes may be appropriate.

continued on back

Pro Industrial™ Pro-Cryl®
Universal Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned. Self priming

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 1 coat Pro Industrial Pro-Cryl Off White
1 coat Pro Industrial Acrylic Coating

Adhesion:
Method: ASTM D4541
Result: 500 p.s.i.

Corrosion Weathering:
Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 140 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 180° bend, 1/4 inch mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: B

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Provides performance comparable to products formulated In Lieu of federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.
Refer to the Safety Data Sheets (SDS) before use.
FOR PROFESSIONAL USE ONLY.

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CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	10/11/2021	B66W01310	04 40
HOTW	10/11/2021	B66A01320	05 39
HOTW	10/11/2021	B66N01310	05 40
FRC			

Sher-Cryl™ HPA

High Performance Acrylic

B66-300 Series Gloss, B66-350 Series Semi-Gloss

CHARACTERISTICS

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

Features:
- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

Recommended for use in:
- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

For use on properly prepared:
Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

Finish:	80°+@60° Gloss
	35-45°@60° Semi-Gloss
Color:	Most colors

Recommended Spreading Rate per coat:

Extra White B66W00311 (may vary by base)

Wet mils:	6.0-10.0
Dry mils:	2.0-3.3
Coverage:	160-264 sq.ft. per gallon
Theoretical Coverage:	529 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	30 minutes	5 minutes
To handle	8 hours	5 hour	15 minutes
To recoat	8 hours	5 hour	15 minutes
To cure	30 days	30 days	30 days

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Ultradeep base	10-12	SherColor

Extra White B66W00311
(may vary by base)

V.O.C. (less exempt solvents): As mixed
239 grams per litre; 1.99 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	33 ± 2%
Weight Solids:	42 ± 2%
Weight per Gallon:	9.44 lb
Flash Point:	N/A
Vehicle Type:	Acrylic
Shelf Life:	36 months, unopened

COMPLIANCE

As of 04/09/2021, Complies with:

OTC	**Yes**
OTC Phase II	**Yes**
S.C.A.Q.M.D.	**No**
CARB	**Yes**
CARB SCM 2007	**Yes**
CARB SCM 2020	**Yes**
Canada	**Yes**
LEED® v4 & v4.1 Emissions	**No**
LEED® v4 & v4.1 V.O.C.	**No**
EPD-NSF® Certified	**No**
MIR-Product Lens Certified	**No**
MPI-(Gloss)	**Yes**

APPLICATION

Temperature:	air, surface, and material
minimum	50°F / 10°C
maximum	120°F / 49°C
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water
R8K10 - WB Hot Weather Reducer up to 10%	
Airless Spray:	
Pressure	1500 p.s.i.
Hose	1/4 inch I.D.
Tip	.017 - .021 inch
Filter	60 mesh
Conventional Spray:	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	50 p.s.i.
Fluid Pressure	15-20 p.s.i.
Reduction:	As needed up to 12.5% by volume
Brush	Nylon-polyester
Roller Cover	3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.
Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas.
When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Steel:
1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad XI
2 coats Sher-Cryl HPA

Aluminum:
2 coats Sher-Cryl HPA

Aluminum:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Sher-Cryl HPA

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfacer
2 coats Sher-Cryl HPA

Concrete-Masonry:
1 coat Loxon Concrete & Masonry Primer
or Loxon Conditioner
2 coats Sher-Cryl HPA

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Sher-Cryl HPA

Galvanizing:
2 coats Sher-Cryl HPA

Pre-Finished Siding: (Baked-on finishes)
1 coat DTM Bonding Primer
2 coats Sher-Cryl HPA

Previously Painted:
2 coats Sher-Cryl HPA

Wood, exterior:
1 coat Exterior Wood Primer
2 coats Sher-Cryl HPA

Wood, interior:
1 coat Premium Wall & Wood Primer
2 coats Sher-Cryl HPA

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

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Sher-Cryl™
High Performance Acrylic

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6-ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Sher-Cryl HPA Gloss– 2 coats @ 3.0 mils D.F.T per coat
(unless otherwise noted)

Abrasion Resistance:	
Method:	ASTM D4060, CS17 Wheel, 1000 cycles, 1 kg load
Results:	59.1 mg loss
Adhesion:	
Method:	ASTM D4541
Results:	947 psi
Corrosion Weathering[1]:	
Method:	ASTM D5894, 7 cycles
Results:	Corrosion 8, Blistering 10
Direct Impact Resistance:	
Method:	ASTM D2794
Results:	greater than 176 in. lb
Dry Heat Resistance:	
Method:	ASTM D2485 Method A
Results:	300°F/149°C
Flexibility:	
Method:	ASTM D522, 180° bend, 1/8" mandrel
Results:	Pass
Humidty Resistance[1]:	
Method:	ASTM D4585, 2186 hours
Results:	Corrosion 10, Blistering 10
Pencil Hardness:	
Method:	ASTM D3363
Result:	4B

[1] 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer
Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/09/2021	B66W00311	24 239
HOTW	04/09/2021	B66T00304	21 224
HOTW	04/09/2021	B66W00351	24 235
HOTW	04/09/2021	B66T00354	24 241
FRC			

108.04A

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

B51-600 Series

CHARACTERISTICS

PrepRite ProBlock Interior-Exterior Latex Primer-Sealer:

- Assures uniform appearance of topcoats
- Fast dry
- Apply at temperatures down to 35°F
- Assures adhesion of the topcoat to slick, glossy surfaces
- Seals out solvent sensitive stains - tar, solvent based markers, etc.
- Seals minor dried water stains and tannin
- Provides easy “slip” for positioning of wallpaper

Use on Interior

- Ceiling Tiles • Paneling • Wall Laminate
- Cured Plaster • Varnished Woodwork
- Kitchen Cabinets • Ceramic Wall Tile
- Under wallcovering

Use on Interior and Exterior:

- Wood • Aluminum • Galvanized Metal
- Previously Painted Surfaces • PVC Piping
- Drywall • Concrete and Masonry • Many Plastics
- Glossy Surfaces • Fiberglass • Copper
- Glazed Block

Color: White & Deep Base

For best topcoat color development, use the recommended “P”-shade primer. Check color before use.

Coverage: 400 sq.ft.per gallon @ 4.0 mils wet; 1.4 mils dry

Drying and recoat times are temperature, humidity, and film thickness dependent

Drying Time, @ 77°F, 50% RH:

Touch:	30 minutes
Recoat: as a primer	1 hour
Recoat: as a stain sealer:	4 hours
Recoat: to apply wallcovering:	3 hours
Finish:	5-10 units @85°

Tinting with CCE only:

Base	oz. per gallon	Strength
White	0-4	SherColor
Deep Base	4-12	SherColor

White B51W00620
(may vary by base)

V.O.C. (less exempt solvents):
less than 50 grams per litre; .42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	35 ± 2%
Weight Solids:	52 ± 2%
Weight per Gallon:	10.9 lbs
Flash Point:	N.A.
Vehicle Type:	Styrenated Acrylic Latex
Shelf Life:	36 months unopened

Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film.

COMPLIANCE

As of 05/13/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Air and surface temperatures must not drop below 35°F for 48 hours after application.

Do not reduce for stain blocking

Brush:
Use a nylon-polyester brush.

Roller:
Use a 3/8 inch nap soft woven roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless:

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

For best topcoat color development, use the recommended “P”-shade primer.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd-oil, water based epoxy, or solvent based epoxy coating on architectural applications.

For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.

For better performance when priming an entire house, use Exterior Latex or Oil-Based Primers

PrepRite ProBlock Latex Primer-Sealer can be topcoated in 1 hour in non-stain blocking applications.

SPECIFICATIONS

1 coat PrepRite ProBlock Interior-Exterior Latex Primer-Sealer

2 coats Appropriate topcoat

Recommended Architectural Topcoats:
All Surface Enamels
A-100 Exterior Latex
Duration Exterior & Duration Home Interior
Emerald Exterior & Interior
Emerald Urethane Trim Enamel
SuperPaint Exterior & Interior
ProClassic Interior Enamels
ProMar Series Interior

Recommended Industrial Topcoats:
Pro Industrial Acrylic Coating
Pro Industrial Pre-Cat Epoxy
Pro Industrial Pre-Cat Urethane
Pro Industrial Waterbased Catalyzed Epoxy

continued on back

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Special recommendations - After priming stained areas, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer and allow to dry overnight and retest before topcoating.

Caulking - Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface.

Drywall - Fill cracks and nail holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Fire restoration work - Thoroughly clean the surface before applying to smoke stained areas. Apply one or two coats of PrepRite ProBlock Latex Primer-Sealer and test a small area for bleeding before painting the entire surface.

Testing - Always check for compatibility and adhesion to the surface by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

Tile - laminate, ceramic and plastic tiles, and similar glossy surfaces, must be free of all oil, grease, and soap residue. Do not use this product in areas subject to excessive water, e.g.: in showers, around sinks, on counter tops.

On hard, slick, glossy, or otherwise hard to paint surfaces, after preparing the surface, apply a test area of this primer, allow to dry properly and test for adhesion.

When used as a primer under wallcovering. After wallcovering has been applied and the adhesive has dried and cured, wait at least 21 days before removing the wallcovering to avoid damage to the drywall.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster - Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Wood Exterior - Sand any exposed, weathered wood to a fresh surface. Replace any deteriorated wood. On woods that present potential tannin bleeding, such as redwood and cedar, PrepRite ProBlock Latex Primer-Sealer can be used. Care must be taken to determine if tannins will be activated by the water in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Oil-Based Wood Primer.

For a complete whole house primer outside, use Exterior Latex Wood Primer or Exterior Oil-Based Wood Primer.

CAUTIONS

Protect from freezing.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 05/13/2021 B51W00620 27 00

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

Latitude™

Exterior Acrylic Satin

K62-650 Series

CHARACTERISTICS

Latitude™ Exterior Acrylic Satin gives painters more flexibility in their schedules and extends the painting season. **Latitude** is formulated with ClimateFlex Technology™, providing exceptional early moisture resistance and smooth application and appearance at extreme temperatures (application at 35°F-120°F (1.7°C - 48.8°C) air, surface and material temperatures) and is resistant to early dirt pick up.
Latitude provides outstanding performance on properly prepared aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal.

Key Attributes and Benefits:
ClimateFlex Technology™
Excellent application, flow and leveling
Great dirt pick up resistance

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping and buckling when applied to a sound, stable vinyl substrate.

Color: Most Colors
Coverage: 350-400 sq. ft. per gallon @ 4 mils wet, 1.4 mils dry

Drying Time, @ 50% RH:

	@35-45°F	@45°F+
Touch:	2 Hours	2 Hours
Recoat:	24-48 hours	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 10-20 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon	Strength
Extra White*	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Light Yellow	0-10	SherColor
Vivid Yellow	0-10	SherColor
Real Red*	0-10	SherColor

*Extra White and Real Red bases may be used without the addition of CCE tint.

Extra White K62W00651
(may vary by color)

V.O.C.(less exempt solvents):
Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 34 ±2%
Weight Solids: 49 ±2%
Weight per Gallon: 10.49 lbs
Flash Point: N.A.
Vehicle Type: 100% Acrylic
Shelf Life: 36 months, unopened
WVP Perms (US) 23.49 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 05/23/2022, Complies with :

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N/A
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

When the air temperature is at 35°F (1.7°C), substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F (1.7°C) and at least 5°F above the dew point. Avoid using if rain or snow is expected within 30 minutes.

Do not apply at air or surface temperatures below 35°F (1.7°C) or when air or surface temperatures may drop below 35°F (1.7°C) within 48 hours.

No reduction needed.

Brush:
Use a nylon-polyester brush.

Roller:
Use a high quality 3/8-3/4 inch nap synthetic roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray - Airless:
Pressure .....2000 p.s.i.
Tip .....0 15-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Thoroughly follow the recommended surface preparations. Most coating failures are due to inadequate surface preparation or application. Thorough surface preparation will help provide long term protection with **Latitude** coating.

SPECIFICATIONS

Latitude can be self-priming when used directly over existing coatings, or exterior bare drywall, plaster and masonry (with a cured pH of less than 9). The first coat acts like a coat of primer and the second coat provides the final appearance and performance. Please note that some specific surfaces require specialized treatment.

Use on these properly prepared surfaces:

Aluminum & Aluminum Siding[1], **Galvanized Steel**[1]**:**
2 coats Latitude Exterior Acrylic

Concrete Block, CMU, Split face Block:
1 coat Loxon Acrylic Block Surfacer
2 coats Latitude Exterior Acrylic

Brick, Stucco, Cement, Concrete:
1 coat Loxon Concrete & Masonry Primer (if needed)
or
Loxon Conditioner (if needed)
2 coats Latitude Exterior Acrylic

Cement Composition Siding/Panels:
1 coat Loxon Concrete & Masonry Primer (if needed)
or
Loxon Conditioner (if needed)
2 coats Latitude Exterior Acrylic

Plywood:
1 coat Exterior Latex Primer
2 coats Latitude Exterior Acrylic

***Vinyl Siding:**
2 coats Latitude Exterior Acrylic

Wood (Cedar, Redwood):
1 coat Exterior Oil-Based Wood Primer
2 coats Latitude Exterior Acrylic

Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Wood Composition Board - Hardiboard:
Because of the potential for wax bleeding out of the substrate, apply 1 coat of Exterior Oil-Based Wood Primer and then topcoat.

[1] On large expanses of metal siding, the air, surface, and material temperatures must be 50°F (10°) or higher. Standard latex primers cannot be used below 50°F (10°C) or above 100°F (37.7°C). See specific primer label for that product's application limitations.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Latitude™
Exterior Acrylic Satin

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:
Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method. On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

Cement Composition Siding-Panels:
Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer. After power washing, previously painted masonry may still have a powdery surface that should be sealed with Loxon Conditioner.

Caulking:
Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Masonry, Concrete, Cement, Block:
All new surfaces must be cured according to the supplier's recommendations – usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant. Concrete masonry units (CMU) - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Previously Painted Surfaces:
Spot prime bare areas, wait 4 hours, and paint the entire surface. Some specific surfaces require specialized treatment.

SURFACE PREPARATION

Mildew:
Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Wood:
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed.

Steel:
Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Stucco:
Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

***Vinyl or other PVC Building Products:**
Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, if needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

CAUTIONS

For exterior use only.
Protect from freezing.
Non-Photochemically reactive.

Before using, carefully read **CAUTIONS on label**.

ZINC:
Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection **(NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 05/23/2022 K62W00651 04 36
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CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

SuperPaint®
Exterior Latex Satin

A89-Series

CHARACTERISTICS

SuperPaint Exterior Latex, with resistance to early dirt pick up, provides outstanding performance on properly prepared aluminum and vinyl siding, wood, hardboard, masonry, cement, brick, block, stucco, and metal down to a surface and air temperature of 35°F.

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

Color: Most Colors

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet;1.5 mils dry

Drying Time, @ 50% RH:

	@ 35-45°F	@ 45°F +
Touch:	2 hours	2 hours
Recoat:	24-48 hours	4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 10-20 units @ 60°

Tinting with CCE only:

Base:	oz per gallon	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Light Yellow	2-12	SherColor

Extra White A89W02151
(may vary by color)

VOC (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 37 ± 2%
Weight Solids: 48 ± 2%
Weight per Gallon: 10.06 lbs
Flash Point: N/A
Vehicle Type: 100% Acrylic
Shelf Life: 36 months unopened
WVP Perms (US) 19.76 grains/(hr ft² in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 08/31/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N.A.
LEED® v4 & v4.1 VOC	Yes
EPD-NSF® Certified	N.A.
MIR-Manufacturer Inventory	N.A.
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours.

Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours.

No reduction necessary.

Brush:
Use a nylon-polyester brush.

Roller:

Use a high quality 3/8-3/4 inch nap synthetic roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Thoroughly follow the recommended surface preparations. Most coating failures are due to inadequate surface preparation or application. Thorough surface preparation will help provide long term protection.

SPECIFICATIONS

SuperPaint Exterior Latex can be self-priming when used directly over existing coatings, or bare drywall, plaster and masonry (with a cured pH of less than 9). The first coat acts like a coat of primer and the second coat provides the final appearance and performance. Please note that some specific surfaces require specialized treatment.

Use on these properly prepared surfaces:

Aluminum & Aluminum Siding[1],
Galvanized Steel[1]
2 coats SuperPaint Exterior Latex

Concrete Block, CMU, Split face Block
1 coat Loxon Acrylic Block Surfacer
2 coats SuperPaint Exterior Latex

Brick, Stucco, Cement, Concrete
1 coat Loxon Concrete and Masonry Primer[3]
or
Loxon Conditioner[2]
2 coats SuperPaint Exterior Latex

Cement Composition Siding/Panels
1 coat Loxon Concrete and Masonry Primer[3]
or
Loxon Conditioner[2]
2 coats SuperPaint Exterior Latex

Plywood
1 coat Exterior Latex Primer
2 coats SuperPaint Exterior Latex

***Vinyl Siding**
2 coats SuperPaint Exterior Latex

Wood (Cedar, Redwood)[4]
1 coat Exterior Oil-Based Wood Primer[2]
2 coats SuperPaint Exterior Latex

[1] On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

[2] Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

[3] Not for use at temperatures under 40°F. See specific primer label for that product's application conditions.

[4] Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Other primers may be appropriate. Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

SuperPaint®
Exterior Latex Satin

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding-Panels:

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.

Caulking:

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant. Concrete masonry units (CMU) - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

***Vinyl or other PVC Building Products:**

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, if needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

CAUTIONS

For Exterior use only
Protect from freezing.
Non-photochemically reactive.

Not for use on floors.

Before using, carefully read **CAUTIONS on label**

ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/31/2020 A89W02151 02 39 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

MINWAX® Technical Data Sheet
MINWAX® Stainable Wood Filler

DESCRIPTION:

Minwax® Stainable Wood Filler is a stainable and paintable latex formula specially formulated to accept all Minwax® penetrating stains, including Minwax® Wood Finish, Minwax® Gel Stain and Minwax® Water-Based Stain.

RECOMMENDED USE:

Minwax® Stainable Wood Filler is ideal for repairing cracks, gouges, nail holes, knot holes and other defects in all types of unfinished indoor and outdoor wood surfaces.

SURFACE PREPARATION:

Surface must be clean, dry, and free of dirt, grease, oil and loose particles. For rotted wood use Minwax® High Performance Wood Hardener to strengthen wood fibers before applying Minwax® Stainable Wood Filler.

APPLICATION NOTES:

1. Squeeze a liberal amount of Minwax® Stainable Wood Filler into the area to be filled. Press the filler firmly in place with a putty knife. Fill slightly above surface to allow for sanding while minimizing overspreading on surrounding areas.
2. Allow the filler to dry completely. Dry time will vary depending on depth of area to be filled. Most common shallow repairs will dry within 2 hours. Deeper repairs may need more than one filling and may require 2 - 6 hours to dry. Let dry between fillings.
3. Sand filler smooth and flush to the wood. Remove all sanding residue before staining, top coating, or painting.
   Staining & Finishing:

Choose a Minwax penetrating stain, such as Minwax® Wood Finish, Minwax® Water-Based Stain, or Minwax® Gel Stain and apply according to the label directions. After staining, apply a protective clear finish such as Minwax® Fast Drying Polyurethane or Minwax® Polycrylic Protective Finish for long lasting beauty and protection.

For exterior use apply Helmsman Spar Urethane or Minwax® Clear Shield.

Minwax® Stainable Wood Filler can also be directly topcoated with clear finish or painted.
To obtain a deeper color wet sand Minwax® Wood Finish, Minwax® Water-Based Stain or Minwax® Gel Stain into the pores of Minwax® Stainable Wood Filler with a 120 grit sandpaper.

Clean Up: Use soap and water to clean hands and tools before filler dries.

Note: Not recommended for use with Minwax® Polyshades®. Do not apply in temperatures under 40°F. Keep from freezing.

DRY TIME:

Dry times are based on good ventilation, temperature of 77°F and 50% relative humidity. Lower temperature, higher humidity, lack of ventilation or application of thick coats will extend dry time. Always test tackiness between coats. Do not re-coat if surface is still tacky.

HEALTH & SAFETY:

HMIS Rating: Health = 1; Flammability = 0; Reactivity = 0

CAUTIONS: Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, get medical attention immediately. WARNING: This product contains chemicals known to the State of California to cause cancer.DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

PHYSICAL PROPERTIES:

Appearance: Beige, viscous, homogeneous putty with odor typical of latex paint.

VOC (grams per liter): Not applicable since wood fillers are not regulated as architectural coatings.

Pounds per Gallon: 7.1 to 7.9

% Solids: 74 to 78

pH: 8.9 to 9.7

Satisfaction Guarantee: The Minwax® company guarantees that this product will meet your satisfaction – If not, we will refund the purchase price with proof of purchase. If you are not completely satisfied and wish to obtain a refund, please call 1-800-523-9299 with a brief description of your complaint and a product support specialist will assist you. This guarantee does not include labor or the cost of labor for the application of this product or the direct, incidental, or consequential damages.

LOXON™ H1

One Component Low Modulus Hybrid Sealant

PRODUCT DESCRIPTION

Loxon™ H1 is a one component, low modulus, high performance, high movement, fast-curing, non-sag, gun-grade, moisture cure, hybrid sealant. It is designed for a wide range of sealing and caulking applications. After curing, Loxon™ H1 exhibits a flexible, resilient, rubber-like appearance that adheres to a wide variety of substrates. The combination of extreme flexibility (ASTM C920 Class 50) and very low modulus make this sealant excellent for properly constructed EIFS substrates. 100% extension in EIFS joints with minimal stress on bond line. Loxon™ H1 is VOC compliant in all 50 states.

APPLICATIONS

Expansion joints, vertical or horizontal, interior / exterior, above grade, joints with high movement, aluminum, vinyl and wood window frames, vinyl siding, skylights, doors, foundations, fascia, precast units, store front assemblies, panel walls, roofing, sanitary applications and parapets.

SUBSTRATES

EIFS, cementitious board, masonry, stucco, concrete, wood, vinyl, aluminum, steel, ceramics, clay and concrete roof tiles, stone.

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sherwin Williams®
Product: Loxon™ H1 Low Modulus Hybrid Sealant

C719: Pass ✔ Ext:+50% Comp:-50%

Substrate: Primed Mortar; Unprimed Glass, Aluminum *[Primer Loxon™ Porous Surface Primer was applied to mortar substrate]*

Validation Date: 10/17/17 - 10/16/22

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SEALANT VALIDATION
www.swrionline.org

Meets or exceeds the following specifications:

- ASTM C-920, Type S, Grade NS, Class 50, Use: NT, A, M, O
- Federal Specification TT-S-00230 C, Type II, Class A, Non-Sag
- Federal Specification TT-S-001543A, Type II, Class A, Non-Sag

PRODUCT AVAILABILITY*

Sales #	SKU / REX	Color	Size
650858988	SU51H0010	White	10.1 oz Cartridge
650859002	SU51H4110	Limestone	10.1 oz Cartridge
650859010	SU51H2110	Stone	10.1 oz Cartridge
650859028	SU51H5010	Black	10.1 oz Cartridge
650859036	SU51H3510	Medium Bronze	10.1 oz Cartridge
650859044	SU51H3610	Special Bronze	10.1 oz Cartridge
650859051	SU51H4510	Aluminum Gray	10.1 oz Cartridge
650859069	SU51H2210	Tan	10.1 oz Cartridge
650859077	SU51H0110	Off-White	10.1 oz Cartridge
650858996	SU51H0043	White	20 oz Sausage
650859119	SU51H4143	Limestone	20 oz Sausage
650859127	SU51H2143	Stone	20 oz Sausage
650859135	SU51H5043	Black	20 oz Sausage
650859143	SU51H3543	Medium Bronze	20 oz Sausage
650859150	SU51H3643	Special Bronze	20 oz Sausage
650859168	SU51H4543	Aluminum Gray	20 oz Sausage
650859176	SU51H2243	Tan	20 oz Sausage
650859184	SU51H0143	Off-White	20oz Sausage
651003253	SU51H7143	Redwood Tan	20oz Sausage

* Not all products are stocked in all DSCs.

ASTM TEST DATA

Artificial weathering: no cracking via ASTM G155 xenon arc, 2,000 hrs

TABLE 1: TYPICAL UNCURED PROPERTIES*

Property	Value	Test Method/Note
Tack free Time	90 minutes	ASTM C679
Curing Time @75°F, 50% relative humidity	2-5 days depending on bead size	Varies with relative humidity
Flow, Sag or Slump	Passes	ASTM C639
Staining	Passes	ASTM C510

TABLE 2: TYPICAL PROPERTIES* (After full cure at 75°F & 50% RH)

Property	Value	Test Method/Note
Hardness (Shore A)	16+/- 2	ASTM C661
Tensile Strength	140-180 psi	ASTM D412
Elongation	800-1,000%	ASTM D412
Adhesion in Peel	35 pli	ASTM C794
Stain & Color Change	Passes	ASTM C510
Ozone Resistance	Good	
Joint Movement Capability	+ or - 50%	ASTM C719
Extension	100%	ASTM C1382
UV Resistance	Good	ASTM C793

*Values given above are not intended to be used in specification preparation.

The physical properties of fully cured Loxon™ H1 will remain relatively unchanged over a temperature range of -40°F to 180° F.

LIMITATIONS

Not recommended for:

a) Areas subjected to continuous water immersion.
b) Joints contaminated with grease, wax, corrosion, bitumen or cement laitance.
c) Horizontal joints in floors or decks where abrasion or physical abuse is encountered.
d) Special architectural finishes without proper testing.

LOXON™ H1 sealant should be dry tooled. Tooling techniques using solvents or soapy solutions are not recommended.

All surfaces must be evaluated for adhesion prior to use. Not designed as a glazing sealant. Do not apply on glass or plastic glazing panels.

LOXON™ H1 is exceptional where color retention is critical. Check tack-free time to prevent dirt pickup.

During the cure time of LOXON™ H1, do not expose to other uncured sealants, alcohol based materials or solvents, acids, or solvent-based materials, and certain petroleum based products.

Until the sealant is fully cured, do not expose the sealant to any mechanical stress. Uncured sealant will not respond properly to cyclic expansion and contraction of the joint specified for the cured sealant only.

LOXON™ H1 must not be used to seal narrow joints, fillet joints, and face nail holes.

Smearing and feathering LOXON™ H1 over joints is not recommended.

Lower relative humidity and temperature will extend the curing time. Confined areas, deep joints and moisture barrier substrates may also extend the cure time.

TECHNICAL DATA:

LOXON™ H1 exhibits excellent weatherability when exposed to ultraviolet radiation, atmospheric hydrocarbons and extremes in temperature. Joints designed to accommodate 100% total joint movement will not affect the seal or adhesion bond.

Joints properly designed and sealed will extend and compress a total of 100% of the installation width with no more than 50% movement in a single direction.

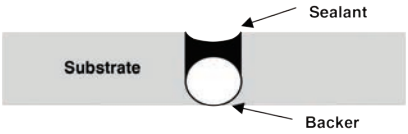
Cured sealant can be painted with emulsion or synthetic enamel paints. LOXON™ H1 will be virtually unaffected by contact with water after cure on non-porous substrates.

On porous substrates, priming is recommended if the sealant will be subjected to sporadic periods of immersion. Not intended for continuous immersion.

PRECAUTIONS: IF THIS PRODUCT IS USED IN DIRECT CONTACT WITH ANY OTHER SEALANT OR ELASTOMER A COMPATIBILITY TEST MUST BE CONDUCTED, BY PURCHASER OR USER, PRIOR TO ACCEPTANCE. LOXON™ H1 SEALANT IS NOT COMPATIBLE WITH OXIME CONTAINING SILICONE SEALANTS.

INSTALLATION: JOINT DESIGN AND PREPARATION

Joint design depends on a variety of factors, such as the maximum expansion and contraction of the substrate from thermal change. Recommended maximum joint width should not exceed 1-1/2" (1.50") (3.81cm) and the maximum joint depth should not exceed ½" (0.500") (12.69mm). Minimum joint width should not be less than ¼" (0.250") (0.34mm). The sealant depth should be ¼" (0.34mm) for joints ¼" in width. For joints over ¼" in width, depth should be ½ of the joint width but should not exceed ½" (0.500") (12.69mm) in depth. In order to obtain the recommended sealant mass, the joint should be filled with closed cell backer rod first, leaving the proper depth to be filled with sealant. Desirable backer rod materials are polyethylene or polyethylene non-gassing foamed rod. Do not prime or puncture the closed cell structure of polyethylene rod as bubbles could form and migrate to the surface of the curing sealant. The use of open cell backer rod is not recommended. In situations where joint depth does not allow for use of backer rod, bond breaker (polyethelene strip) should be used to prevent three-sided adhesion.



SURFACE PREPARATION:

Old sealant should be completely removed. Concrete and masonry surfaces must be free of foreign matter and contaminants. Dust and loose particles should be blown out of joints. A clean, dry, sound and uncontaminated surface is mandatory. Stone surfaces must be cohesively sound, dry and free of contaminants. Granite, limestone, marble and sandstone must be pre-tested for adhesion prior to sealant installation.

When used in conjunction with EIFS systems, Loxon™ H1 should be applied to system base coat to avoid delamination of EIFS finish. Base coat must be cured, of proper depth, well bonded and sound. Some EIFS systems may require a primer. Refer to EIFS manufacturer recommendations.

Mill finish aluminum may contain an invisible oil film or oxide. Clean with an appropriate solvent. The use of solvents may be hazardous to your health. Use only in well ventilated areas. KEEP AWAY FROM OPEN FLAME. Read all labeling before use and follow solvent manufacturer's recommendations and instructions for safe handling. Many high-performance coatings or unusual surface treatments may require abrasion of the surface with steel wool or fine emery paper during preparation.

PRIMING:

Certain situations or substrates may require a primer. Ensure compatibility *before* using primers. See primer PDS for details and proper use (SUPRIQD13 or SUPRIPS13).

a) Priming of masonry or other porous substrate joints with SUPRIPS13 is recommended if the joints will be subjected to intermittent immersion.

b) Some metals and non-porous surfaces may require priming with SUPRIQD13.

c) It is recommended that all surfaces be pre-tested with LOXON™ H1 sealant to determine if cleaning will be necessary to remove surface contamination. In the case of some exotic coatings, priming or other surface treatment may be necessary.

d) LOXON™ H1 Sealant is compatible with most coatings and treatments, but due to the vast numbers of, and types of surface coatings available, Sherwin-Williams recommends pre-testing LOXON™ H1 sealant on the surface in question. Follow manufacturer's recommended recoat times for application of LOXON™ H1 sealant to primers or treatments. Check primer or treatment for surface contaminants prior to application of sealant.

METHOD OF APPLICATION:

All surfaces must be structurally sound, clean, dry, and fully cured. A field adhesion (pull test) in test joints is recommended, before application. Apply LOXON™ H1 sealant in a continuous operation, using a professional grade caulking gun and positive pressure adequate to properly fill and seal the joint.

TOOLING:

LOXON™ H1 sealant should be dry tooled. Tooling techniques using solvents or soapy solutions are not recommended. Tooling of freshly applied sealant is necessary for proper adhesion. Tool the sealant with adequate pressure to spread the sealant against the back-up material and onto the joint surfaces.If joint surfaces have been masked, remove masking tape immediately after tooling.

PAINTING:

Exercise caution if painting. When painting over LOXON™ H1 sealant with primers, top-coats or treatments, cracking or peeling of these coatings could occur because of joint movement. In general, oil-based paints are not recommended because of their relatively poor elastic properties and because of their potential interaction with the sealant chemistry, which may create non-curing conditions for the painted sealant. Do not paint over LOXON™ H1 sealant until it has formed a skin (thin film). Cure is dependent on temperature and humidity.

LOXON™ H1 sealant when applied in a typical 1/2" x 1/4" bead and backed with a suitable bond-breaker at 75°F and 50% RH, will be acceptable for painting with breathable coatings within 24 hours and non-breathable coatings after 72 hours. Warmer, more humid conditions will allow LOXON™ H1 sealant to cure more quickly and conversely, cooler and/or drier conditions will lengthen the cure time. A small test area is strongly recommended.

CLEANING:

Cured sealant is very difficult to remove. Excess sealant and smears should be dry-wiped from all surfaces while still uncured, followed with a commercial solvent such as xylol, toluol or methyl ethyl ketone. The use of these solvents (or other solvents) may be hazardous to your health. KEEP AWAY FROM OPEN FLAME. Read all labeling before use, and follow solvent manufacturer's recommendations and instructions for safe handling. Tool and application equipment may also be cleaned with the same solvents. The dried sealant can be removed by cutting with a sharp-edged tool; thin films by abrading.

CAUTIONS

Danger. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Prevention: Obtain special instructions before use. Avoid breathing dusts/vapours. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves. Wear eye or face protection. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Response: IF exposed or concerned: Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing. Wash contaminated clothing before reuse. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. **Storage**: Store locked up. **Disposal**: Dispose of contents and container in accordance with all local, regional, national and international regulations. **WARNING**: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **FOR INDUSTRIAL USE ONLY.** Please refer to the SDS for additional information. Do not transfer contents to other containers for storage. Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 58%

SHELF LIFE:

LOXON™ H1 sealant will exhibit a 15 month shelf life from the date of manufacture when stored at room temperature.

LIMITED WARRANTY

LIMITED WARRANTY: Sherwin-Williams warrants for one year from date of use if used as directed and within product shelf life (as set forth in the current Sherwin-Williams Product Data Sheet (the "PDS") for this product) that this product will be free from manufacturing defects and meet the specifications set forth in the product PDS. Sherwin-Williams makes no warranty as to appearance or color. If this product fails to meet the foregoing warranty, as your sole remedy, upon proof of purchase, we will replace the product at no cost or refund the original purchase price. Labor or costs associated with labor not included. This warranty is made to the original purchaser and is not transferable. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, WHICH ARE ALL DISCLAIMED AND/OR LIMITED IN DURATION TO THE EXTENT PERMITTED BY LAW. WE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) FROM ANY CAUSE WHATSOEVER.

Coverage in Lineal Feet One cartridge (10.1fl. Oz)				
	Depth in Inches			
Width in inches		1/4"	3/8"	1/2"
	1/4"	24'	-	-
	3/8"	16'	-	-
	1/2"	12'	-	-
	5/8"	10'	7'	-
	3/4"	-	6'	4'
	7/8"	-	5'	4'
	1"	-	4'	3'

When using this reference chart, you MUST consider the physical limitations of the product you are using. Not all products can be used in the gap sizes shown.

Performance Tips:

- Prevent Loxon™ H1 from coming into contact with oil-based sealants, uncured silicone sealants, polysulfides, or fillers that contain oil, tar or asphalt.
- LOXON™ H1 sealant will not adhere to previously applied silcone sealants.
- Protect unopened containers from direct sunlight and heat.
- In cool or cold weather, store container(s) at room temperature for at least 24 hours, before using.
- Loxon™ H1 can be applied below freezing temperatures only if: substrates are completely dry and free of moisture, and clean.
- Do not apply over freshly treated wood; treated wood must have been weathered for at least six months.
- Do not use in swimming pools or other submerged conditions.
- Substrates such as stainless steel, copper, and galvanized steel typically require the use of a primer. Loxon™ Quick Dry primer SUPRIQD13 is acceptable. Loxon™ Quick Dry primer SUPRIQD13 can also be used for Kynar 500 based coatings. An adhesion test is recommended for any questionable substrate.
- Loxon™ H1 should **not** be used in glazing applications. Do **not** apply on glass or plastic glazing panels.