



State of Oklahoma
Division of Capital Asset Management
Construction and Properties Department

Project Name:	State of Oklahoma Roofing Maintenance Contract	CAP Project Num	15034
Project Location:	Area 1	Bid Opening Date	10/7/2014
Using Agency:	OMES/DCAM Construction and Properties	Project Manager	Bill Harrell

Bidder's Name:	UNIVERSAL ROOFING AND SHEETMETAL, INC.		
City, State:	MOORE, OK		
Completion:	Date of work order to June 30, 2015		
	Bid Scty	X	Affidavits
	Days	As Specified	Addendums
			X
			4

TOTAL Base Bid \$2,752,328.00

2.1 WATERPROOFING AND DAMP PROOFING

Description	Est. Qty.	Unit Price	Totals
2.1 10 100 Pressure Cleaning	10,000	\$0.23	\$2,300.00
2.1 10 150 Bio-algaecide, one application	10,000	\$0.53	\$5,300.00
2.1 10 200 Waterproofing, asphalt emulsion coating, brush applied, per coat	1,000	\$0.65	\$650.00
2.1 10 300 Waterproofing, ruberized coating, brush applied, per coat	1,000	\$0.40	\$400.00
2.1 10 400 Waterproofing, vinyl/acrylic, brush applied (smooth), per coat	1,000	\$2.70	\$2,700.00
2.1 10 500 Waterproofing, non-pigmented synthetic resin, sprayed on, 1 coat	1,000	\$2.35	\$2,350.00
2.1 10 600 Waterproofing, premium clear cladding 1 coat flooded	1,000	\$2.48	\$2,480.00
2.1 10 700 Waterproofing, above and below grade, per coat	1,000	\$6.00	\$6,000.00
2.1 10 800 Waterproofing, Elastomeric Joint Sealant 1/4" x 1/4"	500	\$3.15	\$1,575.00
2.1 10 801 Urethane injection at 1" expansion joint in wall	1,000	\$4.50	\$4,500.00
2.1 10 900 Masonry cleaning, walls	5,000	\$1.20	\$6,000.00
2.1 20 100 Caulking, removing existing, clean and prime joint	5,000	\$2.00	\$10,000.00
2.1 20 200 Caulking, epoxy urethane 1/4" x 1/4" compound, 2 component, in place	1,000	\$1.25	\$1,250.00
2.1 20 300 Caulking, polyurethane, 1/4" x 1/4" 1 component, in place	1,000	\$0.58	\$580.00
2.1 20 400 Caulking, polyurethane, 1/2" x 1/2" 1 component, in place	1,000	\$0.60	\$600.00
2.1 20 500 Caulking, silicone rubber, 1/4" x 1/4" in place	1,000	\$1.25	\$1,250.00
2.1 20 600 Caulking, silicone rubber, 3/4" x 3/8" in place	1,000	\$1.35	\$1,350.00
2.1 30 100 Backer rod, polyethylene, 3/8" diameter installed in pre-prepared opening	2,000	\$0.15	\$300.00
2.1 30 200 Backer rod, polyethylene, 1/2" diameter installed in pre-prepared opening	2,000	\$0.17	\$340.00
2.1 30 300 Backer rod, polyethylene, 3/4" diameter installed in pre-prepared opening	2,000	\$0.20	\$400.00
2.1 30 400 Backer rod, polyethylene, 1" diameter installed in pre-prepared opening	2,000	\$0.23	\$460.00
2.1 40 100 Building paper, asphalt felt sheathing paper, 30 # in place	15,000	\$0.32	\$4,800.00
2.1 40 200 Building paper, red rosin paper, 5 sq. rolls, 4 lbs. per sq., in place	15,000	\$0.19	\$2,850.00
2.1 50 100 Vapor retarder, 2 ply inorganic, applied in Type III asphalt, in place	1,000	\$1.28	\$1,280.00
2.1 60 100 Prime deck using asphalt primer	5,000	\$0.38	\$1,900.00
TOTAL Unit Prices:			\$61,615.00

2.2 INSULATION

Description	Est. Qty.	Unit Price	Totals
2.2 10 100 Demolition of roof insulation, per inch of depth	100,000	\$0.28	\$28,000.00
2.2 10 200 Demolition of lightweight cementitious fill, per inch of depth	10,000	\$0.22	\$2,200.00
2.2 20 100 Roof deck insulation, isocyanurate in 4' x 4' or 4' x 8' sheets, 1 1/2" thick, R-10.0, applied in Type IV asphalt	10,000	\$1.40	\$14,000.00
2.2 20 200 Roof deck insulation, isocyanurate in 4' x 4' or 4' x 8' sheets, 2 1/2" thick, R-15.3, applied in Type IV asphalt	50,000	\$1.75	\$87,500.00
2.2 20 300 Roof deck insulation, isocyanurate in 4' x 4' or 4' x 8' sheets, 1 1/2" thick, R-10.0, mechanically fastened	10,000	\$1.30	\$13,000.00
2.2 20 400 Roof deck insulation, iso- cyanurate in 4' x 4' or 4' x 8' sheets, 1 1/2" thick, R-15.3.0, mechanically fastened	50,000	\$1.60	\$80,000.00
2.2 30 100 Roof deck insulation, fiberboard in 4' x 4' or 4' x 8' sheets, 1/2" thick, R-1.39, applied in Type IV asphalt	10,000	\$1.22	\$12,200.00

2.2 30 200 Roof deck insulation, fiberboard in 4' x 4' sheets, 1" thick, R-2.78, applied in Type IV asphalt	10,000	\$1.30	\$13,000.00
2.2 30 300 Roof deck insulation, fiberboard in 4' x 4' sheets, 1/2" thick, R-1.39, mechanically fastened	10,000	\$0.64	\$6,400.00
2.2 30 400 Roof deck insulation, fiberboard in 4' x 4' sheets, 1" thick, R-2.78, mechanically fastened	10,000	\$0.85	\$8,500.00
2.2 30 500 Roof deck insulation, 4' x 9' x 1/4" adhered or fastened, equivalent to Dens Deck	10,000	\$0.95	\$9,500.00
2.2 30 600 Roof deck insulation, 4' x 9' x 1/2" adhered or fastened, equivalent to Dens Deck	10,000	\$0.95	\$9,500.00
2.2 40 100 Roof deck insulating concrete mixed with Portland, R-valued depending on thickness per in. of depth per sq. ft.	10,000	\$1.25	\$12,500.00
2.2 50 100 Roof deck insulation, isocyanurate (black face only), tapered 1/4" per ft. slope, applied in Type IV asphalt	10,000	\$1.85	\$18,500.00
2.2 50 200 Roof deck insulation, perlite, tapered 1/8" applied in asphalt, per sq. ft., per in. of thickness	10,000	\$1.40	\$14,000.00
2.2 60 100 Roof deck insulation, cold insulation adhesive, per layer per sq. ft.	10,000	\$0.30	\$3,000.00
2.2 60 200 Roof deck insulation, foam adhesive per layer per sq. ft.	10,000	\$0.52	\$5,200.00
TOTAL Unit Prices:			\$337,000.00

2.3 SHINGLES, SHAKES AND ROOFING TILES

Description	Est. Qty.	Unit Price	Totals
2.3 10 100 Remove composition shingles and felts to decking (for 1 layer of shingles and felt)	50,000	\$0.38	\$19,000.00
2.3 10 200 Remove roof tiles of clay, concrete, or slate for 1 layer of tiles and felt	5,000	\$0.90	\$4,500.00
2.3 10 300 Remove wood shingles or shakes for 1 layer of wood shingles/shakes and felt	5,000	\$0.40	\$2,000.00
2.3 20 100 Shingles, fiberglass, Class A, 25-year standard strip shingles	5,000	\$1.85	\$9,250.00
2.3 20 200 Shingles, fiberglass, Class A, 30-year laminated multi-layered shingles	25,000	\$2.10	\$52,500.00
2.3 20 300 Shingles, fiberglass, Class A, 40-year laminated multi-layered shingles	2,000	\$2.30	\$4,600.00
2.3 30 100 Replace roof tiles (clay, slate)	50	\$45.00	\$2,250.00
2.3 40 100 No.1 Blue label tapersawn and kiln-dried western red cedar shingles, 16" length	2,000	\$3.10	\$6,200.00
2.3 40 200 No.1 Blue label tapersawn and kiln-dried western red cedar shakes, 24" length, 5/8" butt	2,000	\$3.45	\$6,900.00
2.3 40 300 Ice and water shield underlayment	2,000	\$0.75	\$1,500.00
2.3 50 100 Additional cost for over 9/12 pitch	5,000	\$0.10	\$500.00
TOTAL Unit Prices:			\$109,200.00

See bid sheet

2.4 ROOFING AND ROOF RESTORATION

Description	Est. Qty.	Unit Price	Totals
2.4 10 100 Remove built-up roofing, multi-ply with aggregate (1 layer 4-ply built-up roofing)	100,000	\$0.28	\$28,000.00
2.4 10 110 Spud embedded aggregate	25,000	\$0.30	\$7,500.00
2.4 10 120 Sweep loose aggregate from membrane	25,000	\$0.25	\$6,250.00
2.4 10 130 Wet vacuum loose aggregate from membrane	25,000	\$0.12	\$3,000.00
2.4 10 200 Remove single ply roof, ballast and membrane only	25,000	\$0.05	\$1,250.00
2.4 10 210 Remove single ply roof, membrane (partially or fully adhered) only	25,000	\$0.05	\$1,250.00
2.4 10 220 Remove single ply roof, membrane (mechanically attached) only	25,000	\$0.05	\$1,250.00
2.4 10 300 Remove copper sheet roofing	10,000	\$0.15	\$1,500.00
2.4 10 400 Flood coat and gravel surface, asphalt	50,000	\$0.85	\$42,500.00
2.4 10 500 Flood coat and gravel surface, coal tar pitch	10,000	\$1.60	\$16,000.00
2.4 10 600 Flood coat and gravel surface, modified cold process coal tar adhesive	5,000	\$2.00	\$10,000.00
2.4 10 700 Flood coat with white marble and white low-VOC adhesive, Energy Star	5,000	\$2.25	\$11,250.00
2.4 20 100 3-ply fiberglass, Type IV asphalt	25,000	\$1.35	\$33,750.00
2.4 20 150 3-ply type IV TC fiberglass felt, coal tar pitch, 10 year warranty	25,000	\$1.65	\$41,250.00
2.4 30 100 4-ply Type IV fiberglass felt, Type IV asphalt, 20 year warranty	25,000	\$2.20	\$55,000.00
2.4 30 200 4-ply, type IV TC fiberglass felt, coal tar pitch, 20 year warranty	25,000	\$2.45	\$61,250.00
2.4 30 300 3-ply type VI fiberglass felts, 1-ply polyester in asphalt, equiv. to Hickman 101	25,000	\$1.90	\$47,500.00
2.4 30 400 2-ply modified system with energy star cap ply per square foot	25,000	\$2.75	\$68,750.00
2.4 30 500 2-ply modified bitumen roof system with bottom ply in asphalt	25,000	\$4.10	\$102,500.00
2.4 30 600 2-ply modified bitumen roof system, asphalt flood coat, gravel surfacing, 30 year warranty	5,000	\$5.70	\$28,500.00
2.4 30 700 2-ply modified bitumen roof equal to Garland Stress Ply Plus	5,000	\$5.45	\$27,250.00
2.4 40 100 Siplast 20/30 FR with Eco Active Noxite Granules. Pollutant absorbing, 20 year or equal sys.	2,000	\$5.10	\$10,200.00

2.4 40 200 3-ply Type 5 in Type 3 asphalt w/white mod bit w/white adhesive Energy Star, fire rated	10,000	\$2.35	\$23,500.00
2.4 40 300 3-ply triamine BUR in low-solvent/low-odor adhesive with gravel	10,000	\$2.20	\$22,000.00
2.4 50 100 Built-up roof, 2 ply Type IV fiberglass 1-ply modified bitumen sheet, Type IV asphalt, 10 yr. war.	25,000	\$2.30	\$57,500.00
2.4 50 200 Built-up roof, 1-ply modified bitumen base sheet and cap sheet, Type IV asphalt, 10 yr. war.	25,000	\$2.60	\$65,000.00
2.4 50 225 Built-up roof, added cost mechanically attached G2 fiberglass base sheet	25,000	\$0.35	\$8,750.00
2.4 50 250 Built-up roof, added cost Type IV asphalt attached G2 fiberglass base sheet	25,000	\$0.35	\$8,750.00
2.4 50 289 Venting base sheet, installed in asphalt per square foot	25,000	\$0.70	\$17,500.00
2.4 50 285 Venting base sheet, mechanically attached per square foot	25,000	\$1.00	\$25,000.00
2.4 50 300 Built-up roof, prem. asphalt equiv. to Garland mod. millennium, added cost per ply per sq. ft.	5,000	\$8.55	\$42,750.00
2.4 50 310 Built-up roof system, 4" hail total system 20, two ply mod bit with flood and gravel, year war.	5,000	\$6.55	\$32,750.00
2.4 50 320 Fluid applied reinforced roof system, two base coats, three finish coats, 20 year warranty	15,000	\$3.20	\$48,000.00
2.4 50 400 Built-up roof, perma mop asphalt, added cost per ply per square foot.	25,000	\$0.32	\$8,000.00
2.4 50 450 Built-up roof, demi-mop asphalt, added cost per ply per square foot	25,000	\$0.25	\$6,250.00
2.4 50 500 Built-up roof, elastomeric mod. asphalt, elongation 128-150 %, added cost per ply per sq. ft.	25,000	\$0.30	\$7,500.00
2.4 50 501 S85 modified bitumen cap sheet overlay, cold applied, hot air welded laps	25,000	\$4.25	\$106,250.00
2.4 50 550 Cold process adhesive added cost per ply, per sq. ft.	15,000	\$0.25	\$3,750.00
2.4 50 600 Cold process adhesive, added cost per ply, per sq. ft., low fume/solvent.	15,000	\$0.60	\$9,000.00
2.4 50 650 Built-up roof, surface with cold asphaltic adhesive and gravel	15,000	\$0.25	\$3,750.00
2.4 50 700 Built-up roofing, surface with emulsion and granules.	10,000	\$0.20	\$2,000.00
2.4 50 750 Built-up roof, surface with emulsion and aluminum coating	5,000	\$0.20	\$1,000.00
2.4 50 800 Energy Star coating over smooth surface roofing, per sq. ft.	5,000	\$1.50	\$7,500.00
2.4 50 850 Built-up roof, surface with aluminum coating or paint	10,000	\$0.28	\$2,800.00
2.4 60 100 Built-up roofing repairs, fibered asphalt mastic (trowel grade) with fiberglass mesh.	5,000	\$1.25	\$6,250.00
2.4 60 200 Built-up roofing repairs, fibered asphalt mastic (brush grade) with fiberglass mesh	5,000	\$0.50	\$2,500.00
2.4 60 300 Built-up roofing repairs, pitch-based mastic with fiberglass mesh.	5,000	\$0.20	\$1,000.00
2.4 60 400 Built-up roofing repairs, elastomeric mastic with fiberglass mesh.	5,000	\$0.40	\$2,000.00
2.4 70 100 Single-ply roof, EPDM, 60 mils, mechanically fastened	10,000	\$1.70	\$17,000.00
2.4 70 200 Single-ply roof, EPDM, 60 mils, fully adhered.	10,000	\$1.80	\$18,000.00
2.4 70 300 Single-ply roof, EPDM 120 mils, fully adhered, fleece back	10,000	\$2.25	\$22,500.00
2.4 70 400 Single-ply roof, TPO, 80 mils reinforced, fully adhered	10,000	\$2.40	\$24,000.00
2.4 70 420 Single-ply roof, TPO prefabricated pipe boot flashing	50	\$55.00	\$2,750.00
2.4 70 500 Single-ply roof, PVC 60 mils, fully adhered	5,000	\$2.30	\$11,500.00
2.4 80 100 Flashing membrane, aluminum, foil clad, modified bitumen membrane	5,000	\$5.00	\$25,000.00
2.4 80 200 Flashing membrane, 1-ply polyester and 1-ply modified bitumen.	5,000	\$3.75	\$18,750.00
2.4 80 300 Flashing membrane, base ply and granular surface modified cap.	5,000	\$5.25	\$26,250.00
2.4 80 400 Flashing membrane, PVC	2,000	\$5.00	\$10,000.00
2.4 80 500 Premium flashing membrane, equiv. to Hickman Pikaply MS-4	2,000	\$3.00	\$6,000.00
2.4 80 600 Flashing membrane, EPDM	2,000	\$5.00	\$10,000.00
2.4 80 700 Flashing membrane, TPO fleece back	2,000	\$5.00	\$10,000.00

See bid sheet

2.4 80 800 Flashing membrane, 2-ply modified bitumen, cold mod. asphalt, flashing adhesive.	2,000	\$8.25	\$16,500.00
2.4 90 100 Polyurethane foam roofing 1" thick	15,000	\$0.99	\$14,850.00
2.4 90 200 Polyurethane foam, low rise adhesive, equiv. to Carlisle Fast 100	5,000	\$0.50	\$2,500.00
2.4 90 300 Polyurethane foam roofing, DFT, min. 30 mils, acrylic.	25,000	\$0.35	\$8,750.00
2.4 90 400 Polyurethane foam roofing, DFT, min. 22 mils, silicone	25,000	\$0.40	\$10,000.00

TOTAL Unit Prices: \$1,381,100.00

2.5 MASONRY

Description	Est. Qty.	Unit Price	Totals
2.5 10 100 Brick remove and reset (quantity 1-50 sq. ft.)	50	\$11.00	\$550.00
2.5 10 200 Brick, remove and reset (quantity over 50 sq. ft.)	100	\$13.00	\$1,300.00
2.5 10 250 Patch limestone spill to match existing	10	\$250.00	\$2,500.00
2.5 10 275 Repair limestone cracks	50	\$38.00	\$1,900.00
2.5 10 280 Reset/Resecure limestone panel	1	\$2,800.00	\$2,800.00
2.5 10 285 Replace limestone panel, per 1" thickness	5	\$750.00	\$3,750.00
2.5 10 290 Anchor stones with Helifix anchors	10	\$75.00	\$750.00
2.5 10 295 Swing stage, per 10' section per month	5	\$525.00	\$2,625.00
2.5 10 300 Block, remove and reset	5	\$150.00	\$750.00
2.5 10 400 Coping stones, remove and reset.	5	\$200.00	\$1,000.00
2.5 20 100 Tuck pointing brick, 8 ft. high wall	250	\$5.00	\$1,250.00
2.5 20 150 Tuck point stone, 8 ft. high wall	250	\$5.00	\$1,250.00
2.5 20 170 Repair of 1" expansion joint by urethane injection	250	\$18.00	\$4,500.00
2.5 20 200 Excav. of dirt, price ID per L' by 8" deep and sloped or shored to meet OSHA req.	250	\$225.00	\$56,250.00

TOTAL Unit Prices: \$81,175.00

2.6 METAL WORK

Description	Est. Qty.	Unit Price	Totals
2.6 10 100 Remove standard metal decking	5,000	\$0.95	\$4,750.00
2.6 10 200 Install metal deck	5,000	\$4.00	\$20,000.00
2.6 20 100 Remove metal counter flashing	2,000	\$0.40	\$800.00
2.6 20 200 Counter flashing, galvanized, 24-gauge galvanized, 6" wide.	2,000	\$2.85	\$5,700.00
2.6 20 300 Counter flashing, copper, 16 oz., 6" wide, 24-gauge galvanized	1,000	\$4.00	\$4,000.00
2.6 20 400 Receiver flashing, 24-gauge, galvanized	1,000	\$3.00	\$3,000.00
2.6 30 100 Remove metal edge, gravel stop, eave strip or coping.	2,000	\$0.35	\$700.00
2.6 30 200 Metal edge, galvanized 6" face, hemmed.	2,000	\$4.50	\$9,000.00
2.6 30 300 Gravel stop, galvanized steel, 24-gauge, 6" face.	2,000	\$6.00	\$12,000.00
2.6 30 400 Gravel stop, galvanized steel, ANSI SPRI ES1	2,000	\$6.90	\$13,800.00
2.6 40 100 Remove metal gutter	1,500	\$0.35	\$525.00
2.6 40 200 Gutter, galvanized steel, 24-gauge 5" box or ogee, mill finish.	2,500	\$10.25	\$25,625.00
2.6 40 300 Gutter, galvanized steel, 24-gauge 5" box or ogee, Kynar finish	2,000	\$12.50	\$25,000.00
2.6 40 400 Gutter, copper, 16 oz., half round, 5" wide.	1,000	\$13.75	\$13,750.00
2.6 40 500 Gutter, copper, 16 oz., half round, 6" wide.	1,000	\$14.25	\$14,250.00
2.6 50 100 Remove metal downspout	500	\$0.40	\$200.00
2.6 50 200 Downspout, galvanized, 24-gauge 3" x 4", Kynar finished	500	\$13.00	\$6,500.00
2.6 50 300 Downspout, galvanized, 24-gauge 3" x 4".	500	\$7.00	\$3,500.00
2.6 50 400 Downspout, GI, 24-gauge, 4" round, Kynar finished.	500	\$5.50	\$2,750.00
2.6 50 500 Downspout, copper, 16 oz, 6" rounds	500	\$14.00	\$7,000.00

See bid sheet

2.6 50 600 Downspout, strainer	50	\$3.00	\$150.00
2.6 60 100 Metal flashing, copper, 16 oz., apron flashing, 9" wide	250	\$5.00	\$1,250.00
2.6 60 200 Metal flashing, copper, 16 oz., step flashing	10	\$20.00	\$200.00
2.6 60 225 Flashing, pipe penetration, single-ply PVC	5	\$53.00	\$265.00
2.6 60 300 Metal splash pan, copper, 16 oz.	10	\$25.00	\$250.00
2.6 60 350 Metal splash pan, 24-gauge, galvanized	10	\$22.00	\$220.00
2.6 60 400 Metal trim, aluminum, painted	500	\$8.25	\$4,125.00
2.6 60 500 Metal storm collar	10	\$35.00	\$350.00
2.6 60 600 Metal coping, galvanized steel, 24-gauge	1,000	\$8.25	\$8,250.00
2.6 60 650 Metal coping, galvanized steel, 24-gauge ANSI SPRI ES1	1,000	\$9.50	\$9,500.00
2.6 60 700 Standing seam panels, 24-gauge prefinished	5,000	\$4.70	\$23,500.00
2.6 60 750 R Panels, 26 galvanized, pre-finished	5,000	\$3.75	\$18,750.00
2.6 60 800 Panel batten covers, standing seam	7,500	\$0.90	\$6,750.00
2.6 60 900 Hat channels, galvanized	7,500	\$1.00	\$7,500.00
2.6 60 950 Standing seam, continuous clip	7,500	\$1.00	\$7,500.00
2.6 60 975 Standing seam 4" clips	10	\$7.00	\$70.00
2.6 60 980 Standing seam panels, 18" wide	5,000	\$7.00	\$35,000.00
2.6 60 990 Head wall flashing	200	\$7.00	\$1,400.00
2.6 70 100 Ridge cap flashing	200	\$7.25	\$1,450.00
2.6 70 200 4" metal stud, 16-gauge, galvanized	10,000	\$1.75	\$17,500.00
2.6 70 300 6" metal stud, 16-gauge, galvanized	10,000	\$2.10	\$21,000.00
2.6 70 400 Roof jack, galvanized 24-gauge	10	\$145.00	\$1,450.00
2.6 70 500 Ice dams, standing seam roofs	10	\$42.00	\$420.00
2.6 70 600 Snow retention systems standing seam roofs	10	\$52.00	\$520.00
2.6 70 700 Zees, 14-gauge	10	\$90.00	\$900.00
TOTAL Unit Prices:			\$341,120.00

2.7 WOODWORK

Description	Est. Qty.	Unit Price	Totals
2.7 10 100 Demolition of plywood or standard 1" x 6" decking	10,000	\$0.50	\$5,000.00
2.7 10 200 Demolition of standard 2" x 6" tongue and groove decking	10,000	\$0.65	\$6,500.00
2.7 20 100 Plywood decking, CDX 1/2" thick	5,000	\$1.35	\$6,750.00
2.7 20 200 Plywood decking, CDX, 5/8" thick	20,000	\$1.40	\$28,000.00
2.7 20 300 Plywood decking, CDX, 3/4" thick	10,000	\$1.70	\$17,000.00
2.7 20 400 Standard 1" x 6" decking	10,000	\$0.45	\$4,500.00
2.7 20 500 Standard 2" x 6" tongue and groove decking	5,000	\$2.10	\$10,500.00
2.7 30 100 Cants, wood fiber, trapezoidal, 1 1/2" x 5 5/8"	1,000	\$1.20	\$1,200.00
2.7 30 200 Cants, treated wood, 4" x 4" diagonal	2,000	\$0.85	\$1,700.00
2.7 40 100 Nailer, treated wood, 1" x 4"	1,000	\$2.00	\$2,000.00
2.7 40 200 Nailer, treated wood, 2" x 4"	1,000	\$3.70	\$3,700.00
2.7 40 300 Nailer, treated wood, 2" x 6"	1,000	\$4.00	\$4,000.00
2.7 50 Curbing, treated wood, 2" x 12"	1,000	\$4.30	\$4,300.00
2.7 60 100 Joist, fir, 2" x 6"	1,000	\$2.75	\$2,750.00
2.7 60 200 Joist, fir, 2" x 10"	1,000	\$3.00	\$3,000.00
2.7 60 300 Facia board, 1" x 10", treated board	1,000	\$3.00	\$3,000.00
TOTAL Unit Prices:			\$103,900.00

2.8 ROOF SPECIALTIES AND ACCESSORIES

Description	Est. Qty.	Unit Price	Totals
2.8 10 100 Remove roof hatch	1	\$400.00	\$400.00
2.8 10 200 Roof hatch, 16-gauge or heavier, 2' x 6" x 3' x 0"	1	\$1,350.00	\$1,350.00
2.8 10 300 Roof hatch railing	1	\$2,200.00	\$2,200.00
2.8 10 400 Tectum roof deck tile, 1" thick	2,000	\$4.00	\$8,000.00
2.8 20 100 Remove existing roof drain, except plumbing	5	\$250.00	\$1,250.00
2.8 20 200 Install new roof drain, except plumbing	5	\$900.00	\$4,500.00
2.8 20 225 Install interior roof drain, single-ply PVC	5	\$400.00	\$2,000.00
2.8 20 250 Install new roof drain cover	5	\$75.00	\$375.00
2.8 20 300 Flash existing roof drain	5	\$450.00	\$2,250.00
2.8 20 400 Plumbing stack, 4# lead flashing	5	\$110.00	\$550.00
2.8 20 500 Scupper, GI, 24-gauge, match existing configuration	50	\$100.00	\$5,000.00
2.8 20 525 Scupper, metal coated for single-ply PVC	5	\$125.00	\$625.00
2.8 20 600 Conductor head	50	\$100.00	\$5,000.00
2.8 30 100 Remove existing walkway, built-up roofs	5,000	\$0.15	\$750.00
2.8 30 200 Walkway, built-up roofs	5,000	\$3.00	\$15,000.00
2.8 40 100 Roof ventilators, per 2000 CFM	1	\$1,100.00	\$1,100.00
2.8 40 200 Install roof curb, 3' x 6' with flashing nailer	5	\$1,000.00	\$5,000.00
2.8 40 300 Skylight, meets OSHA fall protection, meets class 4 hail, 20 year warranty	5	\$2,150.00	\$10,750.00
2.8 40 400 Furnish and install skylight, 4' x 4'	5	\$800.00	\$4,000.00
2.8 40 500 Install temporary fall protection per 8 linear feet	200	\$200.00	\$40,000.00
2.8 50 100 Roof ladder, steel, bolted to concrete, up to 20 ft., without cage.	1	\$2,000.00	\$2,000.00
2.8 50 150 Pipe supports, 1/2" - 1 1/2" pipe	50	\$36.00	\$1,800.00
2.8 50 175 Pipe supports, 2" - 3 1/2" pipe	50	\$47.00	\$2,350.00
2.8 50 200 Roof ladder, steel, bolted to concrete, 20 ft and up with cage	1	\$3,300.00	\$3,300.00
2.8 50 300 Roof ladder, security ladder guard	1	\$800.00	\$800.00
2.8 60 100 Termination bar, aluminum, 1/4" x 1"	2,000	\$1.90	\$3,800.00
2.8 70 100 Pitch pocket, GI, 24-gauge, 4" x 4" with storm collar	25	\$70.00	\$1,750.00
2.8 70 150 Pre-built form with filler, 6" round	25	\$60.00	\$1,500.00
2.8 70 200 Pitch pocket, GI 24-gauge, 8" x 8" with storm collar	25	\$70.00	\$1,750.00
2.8 70 210 Pre-built form with filler, 8" round	25	\$65.00	\$1,625.00
2.8 70 300 Pitch pocket, resurface top only	50	\$32.00	\$1,600.00
2.8 70 325 Pitch pocket, single-ply PVC	5	\$68.00	\$340.00
2.8 70 340 Resin-based reinforced penetration flashing per 12" x 12" penetration	1	\$1,250.00	\$1,250.00
2.8 80 100 Expansion joint, butyl or neoprene bellows	500	\$12.50	\$6,250.00
2.8 80 200 Expansion joint, 24-gauge, G90 metal	500	\$11.00	\$5,500.00
2.8 90 100 Reflective coating applied, metal roof, Energy Star rated	2,000	\$3.65	\$7,300.00
2.8 90 200 Reflective coating applied, single-ply/BUR, Energy Star rated	2,000	\$3.65	\$7,300.00
TOTAL Unit Prices:			\$160,315.00

See bid sheet

See bid sheet

2.9 ROOF SERVICES

Description	Est. Qty.	Unit Price	Totals
2.9 10 100 Asbestos core testing, 2" x 2"	1	\$1,500.00	\$1,500.00
2.9 10 200 Core analysis, 14" x 14"	1	\$350.00	\$350.00
2.9 20 100 Non-destructive roof scan, 0-50,000 sq. ft. full service	1	\$2,000.00	\$2,000.00
2.9 20 200 Non-destructive roof scan, 0-50,000 sq. ft. limited service	1	\$1,900.00	\$1,900.00
2.9 30 100 On-site construction services, basic service	10,000	\$0.06	\$600.00
2.9 30 200 On-site construction services, full service	10,000	\$0.12	\$1,200.00
2.9 40 100 Field/shop drawings, 0-10,000 sq. ft.	5,000	\$0.05	\$250.00
2.9 40 200 Field/shop drawings, 10,000 - up sq. ft.	10,000	\$0.03	\$300.00
2.9 40 300 Structural engineer plans and specifications with professional seal	5,000	\$0.18	\$900.00

2.9 40 400 Fire marshal review	3	\$1.00	\$3.00
2.9 40 500 Architectural plans and specifications with professional seal	50,000	\$0.32	\$16,000.00
2.9 40 600 Architectural inspection and project oversight, on location service	25,000	\$0.30	\$7,500.00
2.9 40 700 Additional cost to work prisons and difficult access jobs	20	\$810.00	\$16,200.00
2.9 40 800 Additional cost for fill dirt on difficult access jobs	20	\$9.00	\$180.00
2.9 40 900 Additional cost for sod on difficult access jobs	100	\$1.25	\$125.00
2.9 50 500 Contractors per diem costs for work outside major population areas	100	\$60.00	\$6,000.00
2.9 60 100 Contractors per diem/costs for asbestos abatement planning	10	\$700.00	\$7,000.00
2.9 70 100 Asbestos abatement activities, removal and disposal waste BUR	5,000	\$1.75	\$8,750.00
TOTAL Unit Prices:			\$70,758.00

3.0 ROOF MANAGEMENT SERVICES

Description	Est. Qty.	Unit Price	Totals
3.1 10 100 Annual roof inspection	50,000	\$0.03	\$1,500.00
3.1 20 100 Semi-annual roof inspection	25,000	\$0.04	\$1,000.00
3.1.30 100 Computerized roof management program	25,000	\$0.10	\$2,500.00
3.1 40 100 Leak investigation, two man crew	8	\$130.00	\$1,040.00
TOTAL Unit Prices:			\$6,040.00

5.0 ADDITIONAL ITEMS

Description	Est. Qty.	Unit Price	Totals
5.1 10 100 Dump fees	1		\$0.00
5.1 10 101 0-50 miles round trip	40	\$325.00	\$13,000.00
5.1 10 102 51-100 miles round trip	40	\$340.00	\$13,600.00
5.1 10 103 In excess of 100 miles round trip	40	\$365.00	\$14,600.00
5.1 20 100 Furnish crane, hydraulic 100 foot boom	8	\$200.00	\$1,600.00
5.1 20 200 Furnish forklift, reach	8	\$80.00	\$640.00
5.1 20 300 Furnish man lift, articulated	8	\$80.00	\$640.00
5.1 20 400 Furnish smokeless kettle for job	100	\$3.00	\$300.00
5.1 20 500 Furnish external stair tower, set up and tear down	5	\$1,100.00	\$5,500.00
5.1 20 600 Furnish stockade fence, setup and tear down	50	\$14.00	\$700.00
5.1 20 700 Furnish scaffolding, set up and tear down per 8 foot stage	5	\$270.00	\$1,350.00
5.1 20 800 Furnish safety monitor on roof	40	\$45.00	\$1,800.00
5.1 20 850 Furnish safety monitor for traffic	40	\$45.00	\$1,800.00
5.1 20 901 Furnish mechanical proposal for miscellaneous rooftop services. Subcontractor proposal plus fifteen percent (See specifications. Do not enter any pricing)			
5.1 20 901 Furnish electrical proposal for miscellaneous rooftop services. Subcontractor proposal plus fifteen percent (See specifications. Do not enter any pricing)			
5.1 20 901 Furnish plumbing proposal for miscellaneous rooftop services. Subcontractor proposal plus fifteen percent (See specifications. Do not enter any pricing)			
5.1 30 100 20-year, no dollar limit, State of Oklahoma roof warranty, roofs up to 10,000 sq. ft.	50,000	\$0.15	\$7,500.00
5.1 30 200 20-year, no dollar limit, State of Oklahoma roof warranty, roofs exceeding 10,000 sq. ft.	150,000	\$0.12	\$18,000.00
5.1 40 100 10-year, no dollar limit, State of Oklahoma roof warranty, roofs up to 10,000 sq. ft.	50,000	\$0.10	\$5,000.00
5.1 40 200 10-year, no dollar limit, State of Oklahoma roof warranty, roofs exceeding 10,000 sq. ft.	150,000	\$0.08	\$12,000.00
TOTAL Unit Prices:			\$98,030.00

TOTAL PRICE			\$2,750,253.00
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See bid sheet