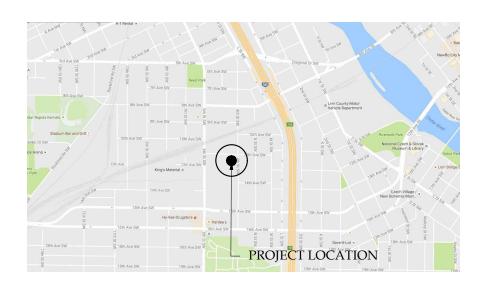
CITY OF CEDAR RAPIDS **BUILDING 16 ROOF REPLACEMENT** CITY SERVICES CENTER - 913-934 4th STREET SW CEDAR RAPIDS, IOWA CIP # 085103-01





AND TRAFFIC. CONTRACTOR TO MAINTAIN PEDESTRIAN AND OCCUPANT ACCESS AND EGRESS TO AND FROM BUILDING AT ALL TIMES. CONTRACTOR TO PROVIDE ANY PROTECTIVE MEASURES TO MAINTAIN ACCESS. COORDINATE LOCATION OF DUMPSTER CHUTE WITH OWNER'S STAFF.

- DRAWINGS ARE PRODUCED AT TABLOID (11-INCHES X 17-INCHES) SIZE. ANY SCALE SHOWN IS APPLICABLE WHEN PRINTED AT THIS SIZE. NOTE THAT ROOF PLANS AND OTHER PROJECT DRAWINGS PRODUCED OR PRINTED AT OTHER PAPER SIZES WILL NOT BE CORRECTLY SCALED WHERE APPLICABLE.
- CONTRACTOR RESPONSIBLE FOR ALL BUILDING PERMITS REQUIRED.
 CONTRACTOR RESPONSIBLE FOR PROTECTING EXISTING ADJACENT LAWN AREAS
- ABOVE GROUND AND UNDERGROUND UTILITIES, PAVING, AND EXTERIOR BUILDING WALLS FROM DAMAGE. ANY DAMAGE DUE TO CONTRACTOR OPERATIONS SHALL BE REPAIRED TO MATCH EXISTING CONDITIONS AT CONTRACTOR'S EXPENSE.
- CONTRACTOR TO REMOVE EXISTING STACK (DISCONNECTED BY CITY) AND CURB AND $INSTALL\ NEW\ HIGH\ SHEAR\ 1.5\ INCH\ DEEP\ GALVANIZED\ 18\ GUAGE\ METAL\ DECKING\ (SEE\ NOTE\ 4)\ IN\ VOID$ AND RE-ROOF OVER DECKING. FLASHING/SEALANT MATERIAL CONTAINS ASBESTOS THAT WILL NEED TO
- INSTALL NEW TAPERED POLYISOCYANURATE INSULATION SADDLES BETWEEN EXISTING ROOF DRAINS. MECHANICALLY FASTEN SADDLE INSULATION WITH NEW 0.5 INCH HIGH DENSITY COVERBOARD ADHERED WITH INSULATION ADHESIVE. CROSS SLOPE OF SADDLE INSULATION TO BE 0.25 INCH PER FOOT LENGTH TO WIDTH RATIO TO BE APPROXIMATELY 2:1 FOR EACH TRIANGULAR SECTION OF SADDLE



DRAWING INDEX

DRAWING TITLE COVER PAGE ROOF PLAN ROOF DETAIL





| | I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT |
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| ı | WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL |
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License number is 11460

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ROOF CONSTRUCTION NOTES

- 1. EXISTING ROOFING SYSTEM AS FOLLOWS PER CORE CUTS -
- UPPER ROOF (LEVEL A)- METAL DECK WITH ASPHALT (COAL TAR PITCH) RESIDUE ON DECK, 2.3 ± INCH THICK POLYISO, TWO LAYERS OF 0.5 INCH FIBERBOARD INSULATION (ONE INCH TOTAL) FULLY ADHERED 60 MIL THICK EPDM SHEET. AROUND ROOF DRAINS THERE IS ORIGINAL BUILT-UP ROOF FELTS (ASBESTOS CONTAINING MATERIAL- ACRM) AND ASPHALT ALONG WITH ADDITIONALTORCH APPLIED MODIFIED BITUMEN PATCH MATERIAL ON SURFACE.

- a. UPPER ROOF (LEVEL A) TOTAL TEAR-OFF TO DECK. REMOVE EXISTING ACRM AROUND ROOF DRAINS PER OSHA STANDARDS AND DISPOSE OF PER IDNR REQUIREMENTS. INSTALL NEW BASE LAYER 4.5 INCHES (2 LAYERS) POLYISO INSULATION WITH MECHANICAL FASTENERS. FIELD AND PERIMETER OF ROOF ONE FASTENER PER 2.67 S.F. (12 FASTENERS PER 4 FT. X 8 FT. BOARD) AND CORNERS ONE FASTENER PER 2 S.F. PERIMETER AND CORNER DEFINED AS 12 FEET EACH. INSTALL ONE-HALF HIGH DENSITY POLYISO INSULATION COVERBOARD IN INSULATION ADHESIVE OVER BASE LAYER INSULATION. (12 INCH BEAD SPACING - FIELD, 9 INCH BEAD SPACING - 12 FOOT PERIMETER, 6 INCH BEAD SPACING - CORNER 12 FT. X 12
- INSTALL NEW FULLY ADHERED 90 MIL BLACK EPDM. ALL NEW ROOF CONSTRUCTION TO OBTAIN 30
- YEAR EPDM MANUFACTURERS' WARRANTED SYSTEM

 SEE ASBESTOS SURVEY REPORT SUMMARY IN APPENDIX REGARDING SEALANT, FLASHING AND TRANSITE PIPE MATERIAL ON ROOFS THAT CONTAIN ASBESTOS. REMOVAL OR DRILLING INTO SUCH MATERIALS (IF REQUIRED AND PERFORMED) WILL REQUIRE PROPER ABATEMENT PROCEDURES BY QUALIFIED STAFF PER OSHA AND DISPOSAL PER IDNR REQUIREMENTS. PROVIDE TO ENGINEER/OWNER BEFORE CONTRACT SIGNING THE CERTIFICATION OF ABATEMENT CONTRACTOR/PERSONNEL FOR APPROVAL. ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NOTICES, CHAIN OF CUSTODY AND DISPOSAL DOSCUMENTS PER IDNR AND OSHA. PROVIDE ALL SUCH
- DOCUMENTATION TO ENGINEER/OWNER AT PROJECT CLOSE-OUT AND PRIOR TO FINAL PAYMENT.
 4. LEVEL A REMOVE ANY DETERIORATED METAL DECKING AND REPLACE WITH NEW HIGH SHEAR 1.5 INCH DEEP GALVANIZED 18 GUAGE DECK TO MATCH EXISTING DECKING (6 INCH WIDE FLUTES) AS CLOSE AS POSSIBLE. VERIFY NEW DECK TYPE PRIOR TO INSTALLING NEW. INCLUDE IN BASE BID REPACLEMENT OF 500 SQUARE FEET. EXISTING PURLIN SPAN - EAST WEST DIRECTION 8 FEET +. COLUMN SPACING IS 20 FEET NORTH-SOUTH DIRECTION.
- ON UPPER ROOF- LEVEL A INSTALL NEW MIRO PIPE SUPPORTS (MATCH THOSE ON LOWER AND PROTECTIVE PAD UNDER SUPPORTS.
- ACCESS TO ALL ROOFS FOR CONSTRUCTION SHALL BE AS DESIGNATED BY OWNER. STORAGE AREA FOR MATERIALS SHALL BE IN PARKING LOT AS DESIGNATED BY OWNER, CONTRACTOR TO PROVIDE BARRICADES, DETOUR SIGNS AND FENCING AS REQUIRED AND PROTECTION FOR MATERIALS

ADDENDUM 1

