CITY OF PHILADELPHIA
DEPARTMENT OF RECREATION

MAYOR - JAMES F. KENNEY
MANAGING DIRECTOR - JOHN ALBRECHT

COMMISSIONER OF RECREATION - BRUCE COLLINS-GRINNELL

MLK REC CENTER - ROOF REPLACEMENT PROJECT
2101 CECIL B. MOORE AVE, PHILADELPHIA, PA 19123
PROJECT NO. xxx

CONVERSE WINKLER ARCHITECTURE
331 MONTGOMERY AVENUE, BALA CYNWYD, PA 19004
T: 610-664-0806   F: 610-664-1075

PROJECT LOCATION

ALL REMAINING EXISTING ROOF REPLACEMENT PROJECT INCLUDES COMPLETE REMOVAL OF ALL EXISTING ROOF MEMBRANES, INCLUDING BUILT-UP, MODIFIED BITUMEN, AND METAL ROOF PANELS. WORK INCLUDES REMOVAL OF ALL ASSOCIATED FLASHING, INSULATION, AND ROOF DEBRIS IN ORDER TO PROVIDE A CLEAN EXISTING DECK. THE REC CENTER INCLUDES THREE MAIN ROOF AREAS OVER THE LUNCH, SNACK, AND REC CENTER ALONG WITH SMALLER BUILDING SPACES AND CANDIDS. NEW ROOF MEMBRANES INCLUDE ISO BATT INSULATION OVER ELECTRONIC MEMBRANE. ALL ROOF DECKS AND ROOF AREAS SHALL BE RENOVATED AND WELD NEW FLASHING ASSEMBLIES IN PLACE OF THE EXISTING. ACTION ITEMS AND ACCESSORIES INCLUDE BUT ARE NOT LIMITED TO FLASHING, INSULATION, ROOFING, EXTERIOR SHEATHING, ROOF DECK MATERIALS, AND FABRICATION. PROJECT ASSEMBLIES INCLUDE METAL ROOFING AND ALL REPAIRS TO EXISTING Wallpaper.
CODE SYNOPTIS

GOVERNING CODES:

INTERNATIONAL BUILDING CODE 2018
INTERNATIONAL ENERGY CONSUMPTION CODE 2016
PHILADELPHIA CODE & LOCAL ORNAMENTS

ANALYSIS OF CONSTRUCTION TYPES:

IBC 404.1

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS. ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS, UNLESS THEY ARE REPLACED TO DETECT SHEAR FRACTIONS BASED ON THE EXISTING ROOF DECK. ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS, UNLESS THEY ARE REPLACED TO DETECT SHEAR FRACTIONS BASED ON THE EXISTING ROOF DECK.

IBC 404.1.1

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.2

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.3

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.4

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.5

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.6

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.7

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.8

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.9

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.10

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.11

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.12

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.13

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.14

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.15

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.16

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.17

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.18

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.19

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.

IBC 404.1.20

1. ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING ROOF DECKS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN-LOAD REQUIREMENTS OF SECTION 1604.9 FOR ROOF DECKS.
**PROPOSED ROOF CONSTRUCTION**

- **(E) 1 1/2" METAL ROOF DECKING**
- **(E) PRE-CAST CONCRETE ROOF**
- **1/2" HD BOARD**
- **2" MIN. - 2 3/4" MAX.) METAL ROOF DECK**
- **VAPOR BARRIER (ADHERED)**
- **INSULATION (ADHERED)**
- **SBS MB GRANULATED CAP SHEET**
- **SBS MB ANCHOR SHEET**
- **MEMBRANE (ADHERED)**
- **LIQUID APPLIED MEMBRANE**
- **LIQUID APPLIED MEMBRANE**
- **BASE COAT**

**EXISTING ROOF CONSTRUCTION**

- **(E) 4-PLY (BUR) BUILT-UP ROOF ASSEMBLY**
- **REMOVE (E) 4-PLY BUR ROOF ASSEMBLY, (E) TAPERED + FLAT INSULATION**
- **EXISTING 2X4 WOOD BLOCKING**
- **FIBERBOARD, (E) METAL ROOF DECKING.**
- **(E) 1.9" THK. TAPERED + FLAT BOARD INSULATION**
- **(E) METAL ROOF DECKING**
- **ASSEMBLY AND ALL MEMBRANE LAYERS DOWN TO EXTERIOR SPACE.**

**REFERENCES**

- **REFER TO DWG A-501 & A-502.**

**DEMONSTRATION**

- **DEMO- & (E) FIBERBOARD.**
- **EXISTING ROOF CONSTRUCTION**
- **REMOVE SLOPED BATTEN SEAM METAL PANEL**
- **RIGID INSULATION. LWC TO REMAIN.**
- **ASSEMBLY AND ALL MEMBRANE LAYERS DOWN TO EXTERIOR SPACE.**

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**AREA KEY PLAN**

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- AREA 3
- AREA 4
- AREA 5
- AREA 6
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- AREA 9

**ASSEMBLY TYPE 1**

- **(E) 4-PLY (BUR) BUILT-UP ROOF ASSEMBLY**
- **(E) 2" CONCRETE ROOF PLANKS**
- **DRAINS, +/- 5" MAX. @ HIGH POINT, (+/-1/8"/FT SLOPE)**
- **(E) 4-PLY (BUR) BUILT-UP ROOF ASSEMBLY**

**ASSEMBLY TYPE 2**

- **(E) PRE-CAST CONCRETE ROOF**
- **1/2" FIBERBOARD**
- **(E) ±1" RIGID INSULATION**
- **(MECHANICALLY FASTENED) INSULATION**

**ASSEMBLY TYPE 3**

- **(E) 2" FLAT POLYISO (ADHERED)**
- **(E) 2.6" THK FLAT POLYISO (ADHERED)**
- **2" MIN. - 2 3/4" MAX.) METAL ROOF DECK**

**ASSEMBLY TYPE 4**

- **(E) TAPERED LWC**
- **(MECHANICALLY FASTENED) INSULATION**
- **1/4"/FT TAPERED + FLAT POLYISO**

**ASSEMBLY TYPE 5**

- **(E) SBS MB GRANULATED CAP SHEET**
- **SBS MB BASE PLY**
- **SBS MB ANCHOR SHEET**
- **SBS MB GRANULATED CAP SHEET**

**ASSEMBLY TYPE 6**

- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**

**ASSEMBLY TYPE 7**

- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**

**ASSEMBLY TYPE 8**

- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
- **1/4" COVER BOARD (ADHERED)**
CONSTRUCTION GENERAL NOTES:
1. REFER TO ROOF LEGEND ON SHEET G-001 FOR ASSEMBLY TYPE IDENTIFICATION OF EXISTING AND NEW ROOF MATERIALS.
2. REFER TO ROOF LEGEND ON SHEET G-001 FOR ASSEMBLY TYPE IDENTIFICATION OF RELATED ROOFING DETAILS.
3. REFER TO ROOF LEGEND ON SHEET G-001 FOR ASSEMBLY TYPE IDENTIFICATION OF RELATED ROOFING DETAILS.
4. REFER TO ROOF LEGEND ON SHEET G-001 FOR ASSEMBLY TYPE IDENTIFICATION OF RELATED ROOFING DETAILS.
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10. REFER TO ROOF LEGEND ON SHEET G-001 FOR ASSEMBLY TYPE IDENTIFICATION OF RELATED ROOFING DETAILS.

CONSTRUCTION KEY NOTES:
1. REPLACE EXISTING LEADER PIPE AND NEW DRAIN DOME. SEE DWG 3/A-500.2.
2. PROVIDE NEW DRAIN ASSEMBLY ABOVE AND BELOW DECK. PROVIDE ALL NEW DRAIN PARTS BETWEEN DECK AND EXHAUST DOME.
3. PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-504.
4. PROVIDE NEW EDGE MTL FASCIA. SEE DWG A-505.
5. PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-504.
6. REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW DRAIN DOME, CLAMP RING, EXTENSION, AND SURFACE PREPARATION.
7. PROVIDE NEW FLASHINGS AT EXHAUST FAN/GOOSE VENT PENETRATION, TYP. SEE DETAIL 3/A500.2.
8. PROVIDE NEW BACKER ROD, SEALANT @ COPING JOINT, TYP. SEE DETAIL 3/A-504.
9. PROVIDE NEW EDGE MTL FASCIA. SEE DWG A-505.
10. PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-504.

SURFACE PREPARATION NOTES:
1. REFER TO DRAWING G-001 FOR EXISTING DESIGNATED (E) EXISTING.
2. PROVIDE NEW DRAIN ASSEMBLY ABOVE AND BELOW DECK. PROVIDE ALL NEW DRAIN PARTS BETWEEN DECK AND EXHAUST DOME.
3. REPLACE COMPLETE ROOF DRAIN ASSEMBLY ABOVE AND BELOW DECK. PROVIDE ALL NEW DRAIN PARTS BETWEEN DECK AND EXHAUST DOME.
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DUCT EXTENSION WITH NEW CURB SIM TO 3/A-500.2. RAISE EXISTING GOOSE NECK VENT DUCTWORK. PROVIDE CONVERSE WINKLER ARCHITECTURE DRAIN. PROVIDE FILLPATCH OF EXISTING DECK @ ABANDONED TARA RASHEED. PROVIDE THRU WALL SCUPPER. FINAL PRICING SET PROVIDE NEW DOOR & DOOR HARDWARE. SEE DWG A505. LIMESTONE COPINGS, TYP ALL JOINTS. RAKE OUT & PROVIDE NEW BACKER ROD & SEALANT @ ROOF PLAN - STAIR 3 OVERRUN. PROVIDE NEW EDGE MTL FASCIA. SEE DWG A-505. ROOF REPLACEMENT ALL SIDES. PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DETAIL 2/A-504 PENETRATION, TYP. REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW BACKER ROD, SEALANT @ COPING JOINT, TYP. CLEAN LIMESTONE COPING, TYP. REPLACE DAMAGED GRAVITY VENT WITH NEW GRAVITY SIDE DRAIN. PROVIDE NEW CURB FLASHINGS AT EXISTING HEIGHT. PROVIDE NEW FLASHINGS. SEE DWG 3,5/A-500.2 RAISE EXHAUST FAN/ MECH UNIT AND EXTEND UNIT CURB SUPPORTS WITH WALKWAY PAD PROTECTION BELOW. WITH PPR. PROVIDE NON-PENETRATING CONDUIT REMOVAL/REINSTALLATION AND DISRUPTIONS TO TENANT ROOF INSTALLATION. COORDINATE TEMPORARY RAISE RIGID ELECTRICAL CONDUIT TO ACCOMMODATE AHU/ MECH UNIT. SEE DWG 4/A-500.2. PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1. REPLACE COMPLETE ROOF DRAIN ASSEMBLY ABOVE AND BELOW. PROVIDE NEW EXHAUST FAN GOOSE NECK DUCTWORK. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.

CONSTRUCTION GENERAL NOTES
1. REFER TO ROOF (SHOWING DRAINAGE PLAN) FOR EXHAUST FAN/MECH UNIT. SEE ROOF PLAN - STAIR 3 OVERRUN AND RELATED ROOF DRAIN DETAILS.
2. SEE A.11 FOR ROOF ASSEMBLY TYPES.
3. SEE A.10 FOR ROOF DRAIN PLAN.
4. SEE A.11 FOR DRAINAGE, REGULATION LAYOUTS.
5. ALL NOTES REFER TO NEW WORK UNLESS OTHERWISE NOTED.
6. REFER TO DRAWING GLO B/E FOR EXISTING SURFACE PREPARATION NOTES.

CONSTRUCTION SHEET NOTES
3.1 PROVIDE FILLPATCH, CLEAN MORTAR, EXTEND AND REPAIR AS NECESSARY. CLEAN DRAIN BOWL. SEE DWG 1,2,3/A-500.1.
3.2 REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW PVC UPVC, CONDUCTOR-AND DRAIN-EXTENDING WITH BACKER ROD & SEALANT. SEE DETAIL 1/A-505. PROVIDE COMPLETE ROOF DRAIN ASSEMBLY ABOVE AND BELOW. PROVIDE NEW EXHAUST FAN GOOSE NECK DUCTWORK. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.3 RAISE EXHAUST FAN/MECH UNIT AND EXTEND UNIT CURB SUPPORTS WITH WALKWAY PAD PROTECTION BELOW. WITH PPR. PROVIDE NON-PENETRATING CONDUIT REMOVAL/REINSTALLATION AND DISRUPTIONS TO TENANT ROOF INSTALLATION. COORDINATE TEMPORARY RAISE RIGID ELECTRICAL CONDUIT TO ACCOMMODATE AHU/MECH UNIT. SEE DWG 4/A-500.2. PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.4 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.5 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.6 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.7 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.8 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.9 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.10 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.11 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.12 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.13 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.14 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.15 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
3.16 PROVIDE NEW CURB FLASHINGS AT EXISTING PENETRATION. SEE DETAIL 2/A-505. REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. CLEAN LEADER PIPE AND NEW DRAIN DOME. SEE DWG 1,2,3/A-500.1.
1. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF EQUIPMENT AND FOR REFERENCE KEY TO RELATED ROOFING DETAILS.

2. SEE A-001 FOR ROOF ASSEMBLY TYPES.

3. SEE D-101 FOR ROOF DEMO PLAN.

4. SEE A-104 FOR DRAINAGE, INSULATION LAYOUTS.

5. ALL NOTES REFER TO NEW WORK UNLESS DESIGNATED (E) EXISTING.

6. REFER TO DRAWING G-001 FOR EXISTING SURFACE PREPARATION NOTES.

CONSTRUCTION GENERAL NOTES:

CONSTRUCTION KEY NOTES:

REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. SEE DWG 1,2,3/A-500.1.

REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW SCUPPER, CONDUCTOR HEAD, DOWNSPOUT WITH CONCRETE SPLASH BLOCK. SEE DWG 2/A-505.

REPLACE COMPLETE ROOF DRAIN ASSEMBLY ABOVE AND BELOW DECK. PROVIDE ALL NEW DRAIN PARTS BETWEEN EXISTING LEADER PIPE AND NEW DRAIN DOME. SEE DWG 2,3/A-500.1.

REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW SCUPPER, CONDUCTOR HEAD. LEADER TO REMAIN. SEE DTL 8/A-504.

RAISE EXHAUST FAN/MECH UNIT AND EXTEND UNIT CURB HEIGHT. PROVIDE NEW FLASHINGS. SEE DWG 3,5/A-500.2

RAISE RIGID ELECTRICAL CONDUIT TO ACCOMMODATE ROOF INSTALLATION. COORDINATE TEMPORARY REMOVAL/REINSTALLATION AND DISRUPTIONS TO TENANT WITH PPR. PROVIDE NON-PENETRATING CONDUIT SUPPORTS WITH WALKWAY PAD PROTECTION BELOW.

PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-506.

RAISE DOOR SILL & PROVIDE NEW FLASHINGS. SEE DETAIL @ A505

CLEAN LIMESTONE COPING, TYP.

PROVIDE NEW BACKER ROD, SEALANT @ COPING JOINTS, TYP.

COVER EXISTING LIMESTONE COPING WITH NEW MTL COPING CAP ASSEMBLY, TYP.

PROVIDE NEW EDGE MTL FASCIA. SEE DWG A-505.

RAKE OUT & REPOINT 100% MASONRY WALL, TYP ALL SIDES. PROVIDE SS HELICAL WALL TIES AND CRACK STITCHING BARS AT JOINTS WITH CRACKS AND SPALLED MORTAR PRIOR TO REPOINTING. (INCLUDE @ 10% OF WALL SURFACES.)

RAKE OUT & PROVIDE NEW BACKER ROD & SEALANT @ LIMESTONE COPINGS, TYP ALL JOINTS.

PROVIDE NEW DOOR & DOOR HARDWARE. SEE DWG A505.

PROVIDE THRU WALL SCUPPER.

PROVIDE FILLPATCH OF EXISTING DECK @ ABANDONED DRAIN.

RAISE EXISTING GOOSE NECK VENT DUCTWORK. PROVIDE DUCT EXTENSION WITH NEW CURB SIM TO 3/A-500.2.

PROVIDE NEW  FLASHINGS @ RISING WALL. SEE DTL 2/A-504 SIM.

PROVIDE NEW RAISED THRU WALL FLASHING. TYP.

NEW LIGHT FIXTURE. BOD: HUBBEL LSQ1-40.

INSTALL NEW PAINTED STEEL ROOF DECK THROUGHOUT PER DELEGATED DESIGN.
RAISE EXISTING GOOSE NECK DUCTWORK. PROVIDE DRAIN.

PROVIDE THRU WALL SCUPPER.

PROVIDE NEW DOOR & DOOR HARDWARE. SEE DWG A505.

PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-504

STAIR 2 OVERRUN - WEST ELEV
DEMO (STAIR 3 SIM, TYP)

PROVIDE NEW  FLASHINGS @ RISING WALL. SEE DTL 2/A-506.

PROVIDE PITCH POCKET. SEE DETAIL 2/A500.2

CLEAN LIMESTONE COPING, TYP

PROVIDE NEW BACKER ROD, SEALANT @ COPING JOINT , TYP

PROVIDE NEW EDGE MTL FASCIA. SEE DWG A-505.

PROVIDE NEW EDGE MTL FASCIA. SEE DWG A-505.

STAIR 2 OVERRUN - EAST ELEV
DEMO (STAIR 3 SIM, TYP)

STAIR 2 OVERRUN - SOUTH ELEV
DEMO (STAIR 3 SIM, TYP)

STAIR 2 OVERRUN - WEST ELEV
DEMO (STAIR 3 SIM, TYP)

CONSTRUCTION DRAWING

1. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
2. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
3. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
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6. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
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13. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
14. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
15. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
16. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.
17. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF ASSEMBLY TYPE.

CONSTRUCTION KEY NOTES

1. REPLACE ROOF DRAIN ASSEMBLY, EQUIPMENT CURB, AND ASSOCIATED FLASHINGS.
2. REPLACE ROOF DRAIN ASSEMBLY, EQUIPMENT CURB, AND ASSOCIATED FLASHINGS.
3. REPLACE ROOF DRAIN ASSEMBLY, EQUIPMENT CURB, AND ASSOCIATED FLASHINGS.
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17. REPLACE ROOF DRAIN ASSEMBLY, EQUIPMENT CURB, AND ASSOCIATED FLASHINGS.
MLK RECREATION CENTER
ROOF REPLACEMENT

MANSARD
SECTIONS

1. GYM MANSARD ROOF & GUTTER EAST/WEST - DEMO
   Scale: 1" = 1' - 0"

2. GYM MANSARD ROOF & GUTTER EAST/WEST - PROPOSED
   Scale: 1" = 1' - 0"

3. REC CENTER MANSARD ROOF - DEMO
   Scale: 1" = 1' - 0"

4. REC CENTER MANSARD ROOF - PROPOSED
   Scale: 1" = 1' - 0"
NOTICE: LIQUID REINFORCED FLASHING ASSEMBLY AS FOLLOWS, TYP.:  
1. LIQUID APPLIED FLASHING BASE COAT  
2. REINFORCING FLEECE MEMBRANE  
3. LIQUID APPLIED FLASHING TOP COAT  

EXTEND FLEECE 4" MIN. INTO DRAIN BOWL

1/4" PER 1'-0" ROOF ASSEMBLY. SEE A001 FOR ASSEMBLY TYPES TYP.

(E) RIGID EPS INSULATION

(E) PRECAST CONCRETE PLANK

(E) TAPERED LWC

LIQUID APPLIED REINFORCED FLASHING ASSEMBLY

CAP PLY (TERMINATE AT EDGE OF DRAIN SUMP)

INTERMEDIATE PLY

BASE PLY

COVERBOARD

TAPERED SUMP INSULATION

ANCHOR SHEET

(E) STL STRUCTURE

(E) PRECAST CONC PLANK

(E) LWC INSULATION

PROTECT EXIST TILE MURAL

NEW CAST IRON PARAPET TYPE DRAIN WITH SLOPING GRATE - MATCH EXISTING DIMENSIONS

(REPLACE FULL DRAIN ASSEMBLY, ABOVE AND BELOW DECK, AT GYM ROOF AREAS 1A AND 1B.)
VARIES 9" TO 24" 8" MIN. ABOVE FINISHED ROOF LEVEL (E) PIPE PENETRATION PREP AS PER SURFACE PREPARATION NOTES 1, 2, & 3 ON SHEET G-001 REINFORCED LIQUID FLASHING SYSTEM ROOF ASSEMBLY. SEE DWG A001 4" MIN., TYP. REINFORCED LIQUID FLASHING ASSEMBLY ROOF ASSEMBLY. SEE DWG A001 4" FLANGE, TYP. (SOLDERED/ WELDED TIGHT) NON-SHRINK GROUT, TYP. POURABLE SEALER, TYP. 4" HIGH SHEET METAL PAN ASSEMBLY (SOLDERED/ WELDED TIGHT) PREP (E) PIPES/ CONDUITS AS PER SURFACE PREPARATION NOTES 1, 2, & 3 ON DRAWING G001, SEE PLANS FOR QUANTITIES AND LOCATIONS (E) PIPE/ CONDUIT, TYP. 1" MIN., TYP. 2" DIA. OR LESS, TYP. 4" MIN. (VARIES) 1'-6" MIN. TO 2'-6" MAX. (V.I.F.) ROOF ASSEMBLY. SEE DWG A001 (E) PREFAB. GALVANIZED STEEL CURB WITH INSULATION VIF COVER BOARD ROOF BASE FLASHING ROOF CAP FLASHING SPLICE METAL (8" WIDE MIN.) COUNTER FLASHING TERMINATION BAR, SEALANT, AND GASKETED FASTENER, TYP. GASKETED FASTENER (8" O.C. MIN.) (E) HVAC UNIT AND FRAME VARIES (V.I.F.) VARIES V.I.F VARIES V.I.F WOOD BLOCKING WOOD BLOCKING VIF WOOD BLOCKING CURB EXTENSION SEALANT GASKETED FASTENER ROOF MEMBRANE & CAP FLASHING OVER CURB (E) EXHAUST FAN & UNIT CURB CAP EXTENDED SECTION AS REQUIRED ROOF MEMBRANE & CAP FLASHING OVER CURB GASKETED FASTENER BRAILANT GRID BLOCKING CURB EXTENSION (E) GRID BLOCKING UP 10' FLASHING MEMBRANE ROOF BRAILANT ROOF MEMBRANE SEE ASSEMBLY FOR ROOF ASSEMBLY (E) UNIT CURB (E) WOOD BLOCKING 2X WOOD BLOCKING COVER BOARD ROOF BASE FLASHING ROOF CAP FLASHING 2X WOOD BLOCKING REMOVE AND REINSTALL (E) EQUIPMENT GASKETED FASTENER, TYP. SEAL ALL (E) FASTENER HOLE LOCATIONS

1'-0" ABOVE FINISHED ROOF ELEVATION MIN

1'-0" ABOVE FINISHED ROOF ELEVATION MIN

SEE A001 FOR ROOF ASSEMBLY

ROOF MEMBRANE

EDGE SEALANT

CAP FLASHING MEMBRANE (E)

TAPERED LWC OR CONC PLANK. SEE DWG A001 ROOF ASSEMBLY TYPES (E)

WOOD BLOCKING VIF (E)

WOOD BLOCKING VIF

WOOD BLOCKING CURB EXTENSION

SEALANT

GASKETED FASTENER

ROOF MEMBRANE & CAP FLASHING OVER CURB (E)

EXHAUST FAN/ GOOSENECK VENT CURB EXTENSION

CURB EXTENSION @ REMOVABLE UNIT

ROOF DTL @ NON REMOVABLE UNIT

3 EXHAUST FAN/ GOOSENECK VENT CURB EXTENSION

5 CURB EXTENSION @ REMOVABLE UNIT

2 PITCH POCKET DETAIL

4 ROOF DTL @ NON REMOVABLE UNIT

1 FLASHING @ ROOF PENETRATION

ARCHITECT/ENGINEER OF RECORD

DATE

REBUILD PROJECT MANAGER

APPROVED:

APPROVED FOR BID:

CONVERSE WINKLER ARCHITECTURE

TYPICAL DETAILS

MLK RECREATION CENTER

ROOF REPLACEMENT

FINAL PRICING SET

TARA RASHEED

CONVERSE WINKLER ARCHITECTURE

SEPT. 4, 2020

CW-1909.02

16366E-02-02

22

22
1. **REC CENTER MANSARD ROOF - DEMO**

   - Remove (E) 3 X 2 1/2 X 1/4 STEEL ANGLE
   - Remove (E) STEEL STRUCTURE
   - 4" CONCRETE BLOCK
   - Remove (E) 1/4" CEMENT BOARD SOFFIT
   - 4" LIMESTONE

2. **REC CENTER MANSARD ROOF - PROPOSED**

   - Single Ply PVC Flashing Underlayment
   - Single Ply PVC Membrane (Adhered)
   - Peel and Stick Roof Underlayment CONTINUOUS TO ROOF AND EDGE OF SOFFIT
   - 1/2" INTERIOR GRAY SHEATHING
   - Edge Seallant
   - Edge Seallant at Vertical Leg of Z Closure
   - Edge Seallant
   - Aluminum Side Metal 0.040 Aluminum Clad
   - Metal Soffit Trim
   - Batten Seam Metal Panel Assembly
   - 3/4" Exteriar Grade Sheathing
   - Splice Plate Finished to Match Trim
   - 1 3/4" High Standing Seam 0.040 Aluminum Panel
   - Peel and Stick Roof Underlayment CONTINUOUS TO ROOF AND EDGE OF SOFFIT
   - Aluminum Edge Trim
   - SS Snap On Clip with SS Fasteners @ 18" OC
   - 1/4" Cover Board (Adhered)
   - Single Ply PVC Membrane (Adhered)
   - 2.6" Flat Polyiso (Adhered)
   - Wood Blocking
   - Wood Blocking
   - Single Ply PVC Membrane (Adhered)
   - Metal Flashings, Termination Bar, and Fastener
   - 1" Rigid Insulation
   - 2" Pre-Cast Concrete Roof Plank
   - 1" Rigid Insulation

3. **REC CENTER MANSARD ROOF - DEMO**

   - Remove (E) 3/4" Plywood
   - (2) 2.6" Thk Flat Polyiso
   - 1/4" Cover Board (Adhered)
   - Single Ply PVC Membrane (Adhered)
   - 1" Polysio Insulation

4. **REC CENTER MANSARD ROOF - PROPOSED**

   - Peel and Stick Roof Underlayment
   - Single Ply PVC Flashing Underlayment
   - Single Ply PVC Membrane (Adhered)
   - Peel and Stick Roof Underlayment CONTINUOUS TO ROOF AND EDGE OF SOFFIT
   - 1/2" Interior Gray Sheathing
   - Edge Seallant
   - Edge Seallant at Vertical Leg of Z Closure
   - Edge Seallant
   - Aluminum Side Metal 0.040 Aluminum Clad
   - Metal Soffit Trim
   - Batten Seam Metal Panel Assembly
   - 3/4" Exterior Grade Sheathing
   - Anchor Sheet
   - Continuous Weld
   - Single Ply PVC Flashing Underlayment
   - Single Ply PVC Membrane (Adhered)
   - 2.6" Flat Polyiso (Adhered)
   - Wood Blocking
   - Wood Blocking
   - Single Ply PVC Membrane (Adhered)
   - Metal Flashings, Termination Bar, and Fastener
   - 1" Rigid Insulation
   - 2" Pre-Cast Concrete Roof Plank
   - 1" Rigid Insulation

**Architect/Engineer of Record**: CONVERSE WINKLER ARCHITECTURE

**Roof Replacement Project Manager**: TARA RASHED

**Date**: SEP. 4, 2020

**Scale**: 3" = 1' - 0"
STEEL DECK

REMOVE (E) INSULATION

REMOVE (E) 4 PLY BUR

REMOVE (E) CANT

LIMESTONE COPING TO REMAIN

CMU VIF

BRICK MASONRY

REMOVE (E) ROOF MEMBRANE MATERIALS

SBS MODIFIED BITUMEN CAP FLASHING

SBS MODIFIED BITUMEN BASE FLASHING

CAT STRIP

ROOF ASSEMBLY.

SEE DWG A001

STEEL DECK

PROTECT EXIST MURAL FOR THE ENTIRE DURATION OF THE WORK

CANT STRIP

8" MIN. ABOVE FINISHED ROOF LEVEL

SAW CUT MORTAR JOINT 1" MIN. TO ACCEPT COUNTER FLASHING/REGLET INSTALLATION, BACKER ROD, & SEALANT, TYP

TWO-PIECE COUNTER FLASHING TERMINATION BAR WITH GASKETED FASTENER, & SEALANT, TYP

SPLICE METAL (8" WIDE MIN.), TYP

SBS MODIFIED BITUMEN CAP FLASHING

SBS MODIFIED BITUMEN BASE FLASHING

CLEAN EXIST BRICK MASONRY FOLLOWING REMOVAL OF EXIST FLASHINGS

COORDINATE REGLET INSTALLATION BELOW EXIST VENT WHERE IT OCCURS AT ROOF AREA

REPAINT EXIST STEEL STRUCTURE TO REMAIN, TYP PTD STEEL ROOF DECK PER DELEGATED DESIGN

ARCHITECT/ENGINEER OF RECORD

DATE

REBUILD PROJECT MANAGER

APPROVED: FOR BID:

CONVERSE WINKLER ARCHITECTURE

A-504