

PROJECT SCOPE

MLK RECREATION CENTER ROOF REPLACEMENT PROJECT INCLUDES COMPLETE REMOVAL OF ALL EXISTING ROOF MEMBRANES, INCLUDING BUILT-UP, MODIFIED BITUMEN, AND METAL MANSARD PANELS. WORK INCLUDES REMOVAL OF ALL ASSOCIATED FLASHING, INSULATION, AND ROOF BOARDS IN ORDER TO PROVIDE A CLEAN EXISTING DECK. THE REC CENTER INCLUDES THREE MAIN ROOF AREAS OVER GYM , LOBBY, AND REC CENTER, AS WELL AS SMALLER BUILDING SPACES AND CANOPIES. NEW ROOF ASSEMBLIES INCLUDE PVC MEMBRANE, MODIFIED BITUMEN MEMBRANE, LIQUID APPLIED MEMBRANE, AND METAL MANSARD PANELS. ALL EXISTING ROOFTOP EQUIPMENT SHALL BE MAINTAINED AND WILL RECEIVE NEW FLASHING ASSEMBLIES IN PLACE OR ON RAISED CURBS AS REQUIRED TO COORDINATE WITH NEW ROOF ASSEMBLY DIMENSIONS. ACCESSORIES INCLUDE BUT ARE NOT LIMITED TO FLASHING, INSULATION, COVERBOARD, EXTERIOR SHEATHING, ROOF UNDERLAYMENT, EDGE METAL, AND FASTENERS. PROJECT ALSO INCLUDES NEW BRICK MASONRY AND REPAIRS TO EXISTING MASONRY.

DRAWING LIST

A - 505

A - 506

COVER SHEET CODE SYNOPSIS GENERAL SAFETY AND SECURITY NOTES SITE PLAN STAGING AND PHASING ROOF PLAN DEMOLITION ROOF ASSEMBLY TYPES ROOF PLAN ENLARGED ROOF PLANS ENLARGED ROOF PLANS - AREAS 4, 5, 6 & RCP ROOF PLAN DRAINAGE BUILDING ELEVATION & SECTIONS ELEVATIONS CHIMNEY AND STAIR TOWERS MANSARD SECTIONS A-500.1 ROOF DRAIN DETAILS A - 500.2TYPICAL DETAILS MANSARD ROOF DETAILS - ROOFS 1A, 1C A-501 A - 502MANSARD ROOF DETAILS - ROOFS 1B 1C MANSARD ROOF DETAILS - ROOFS 3A, 3B A - 503A-504 ROOF DETAILS - ROOFS 4, 5, 6

STAIR TOWER DETAILS - 3C, 3D

ROOF DETAILS - ROOF 2

ROOF DETAILS - ROOFS 8, 9

CITY OF PHILADELPHIA DEPARTMENT OF RECREATION

MAYOR - JAMES F. KENNEY

MANAGING DIRECTOR - BRIAN ABERNATHY

COMMISSIONER OF PUBLIC PROPERTY - BRIDGET COLLINS-GREENWALD

M.L.K REC CENTER - ROOF REPLACEMENT PROJECT 2101 CECIL B. MOORE AVE, PHILADELPHIA, PA 19121 PROJECT NO. xxx

ARCHITECT:

CONVERSE WINKLER ARCHITECTURE, LLC. 331 MONTGOMERY AVE BALA CYNWYD, PA 19004 610-664-0806

BUILDING ENVELOPE:

RJF CONSULTANTS
32 WOODLAND CIRCLE
DOWNINGTOWN, PA 19335
610-389-0933

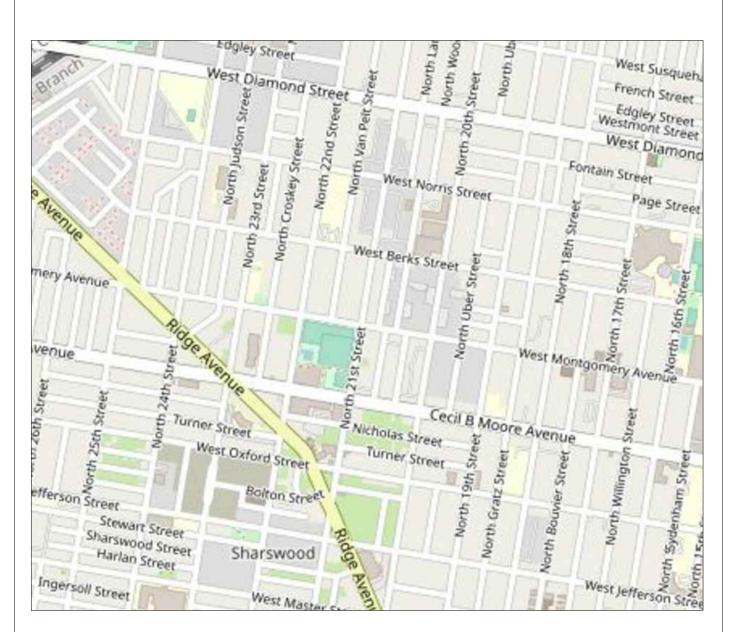
COST ESTIMATOR:

ICI
CHESTNUT STREET
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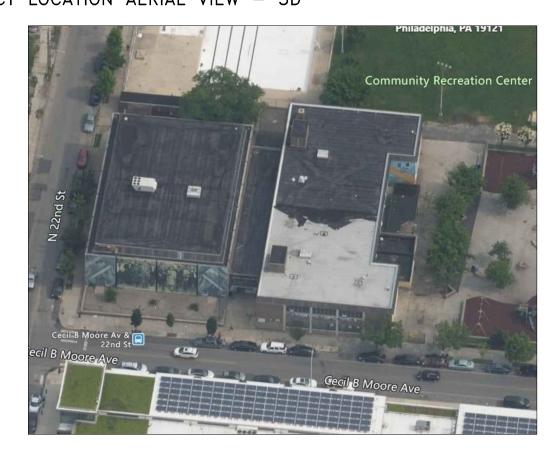
PROJECT LOCATION AERIAL VIEW - 2D



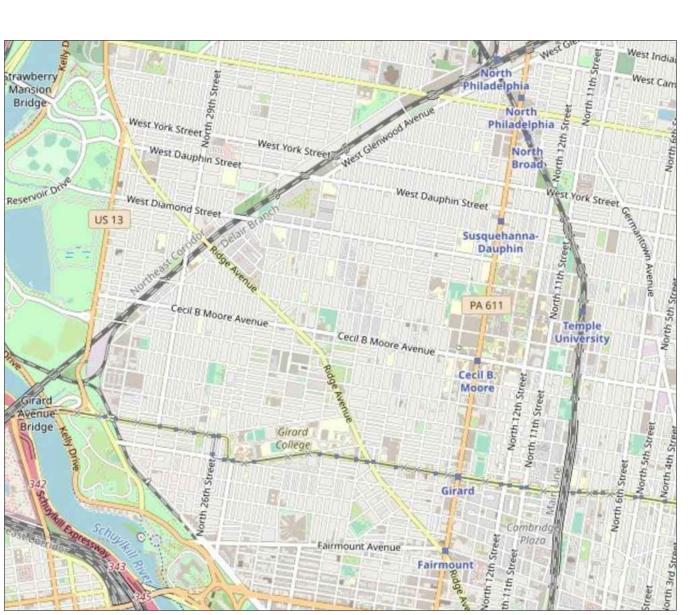
PROJECT LOCATION MAP



PROJECT LOCATION AERIAL VIEW - 3D



PROJECT LOCATION — CITY OF PHILADELPHIA MAP



PROJECT APPROVED

COMMISSIONER/DEPARTMENT OF RECREATION

DEPUTY COMMISSIONER/DEPARTMENT OF RECREATION

PROJECT DIRECTOR

· · · · · · · · CONVERSE · WINKLER · · ARCHITECTURE

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

SEALS

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET

11TH FLOOR, ONE PARKWAY BUILDING

DENINSYLVANIA

PROJECT NO.

16366E-02-02

CW-1909.02

DATE SEPT. 4, 2020

CHECKED B,

G-000

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

ABBREVIATIONS

ALUMINUM CAP BOD BASIS OF DESIGN BUR **BUILT-UP ROOFING** CJ CONTOL JOINT CW CHILLED WATER

DIV-MTL DIVIDING CURB WITH COPING OR METAL EDGE DIV-ROOF DIVIDING CURB WITH ROOF MATERIAL APPLIED

DS DOWN SPOUT

EQPT

EXISTING ELECTRICAL CONDUIT EXHAUST FAN

EXP JT **EXPANSION JOINT** EXP JT/CURB DIVIDING CURB WITH EXPANSION JOINT

EQUIPMENT

GAS **GREASE GUARD GUARD POST GUARDRAIL GRAVITY VENT** HOT WATER LIGHTPOST

LWC LIGHTWEIGHT CONCRETE FILL LIGHTWEIGHT INSULATING CONCRETE LWIC

MODIFIED BITUMEN METAL EDGE

MPC MULTIPLE PENETRATION CAP MRE MULTIPLE ROOF EQUIPMENT

PARP-FLASH PARAPET WALL WITH BUILT-IN COUNTERFLASHING PARP-ME PARAPET WALL WITH METAL EDGE

PARP-MTL PARAPET WALL WITH METAL COPING PARP-TERM PARAPET WALL WITH TERMINATION BAR

ΡJ PANEL JOINT PITCH POCKET

PPR PHILADELPHIA PARKS AND RECREATION

PVC POLYVINYL CHLORIDE **ROOF DRAIN ROOF PENETRATION** SCUPPER SECURITY CAMERA

SATELLITE DISH ON SLED STYRENE BUTADIENE STYRENE

SIMILAR

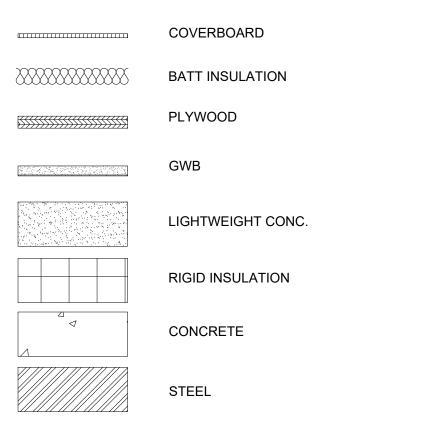
SLOPE

SS STAINLESS STEEL SSC STAINLESS STEEL CAP

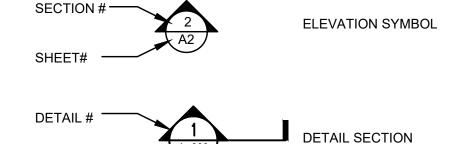
SSPC SOCIETY FOR PROTECTIVE COATINGS

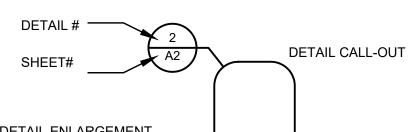
TYP TYPICAL V.I.F. **VERIFY IN FIELD** VS VENT STACK

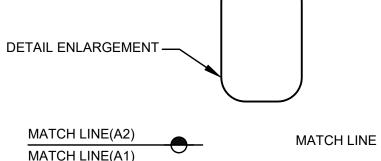
KEY TO MATERIALS IN SECTION



SYMBOLS





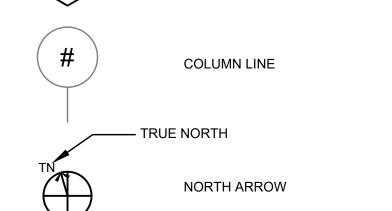


ELEVATION T.O.WALL 3'-0" REVISION SYMBOL

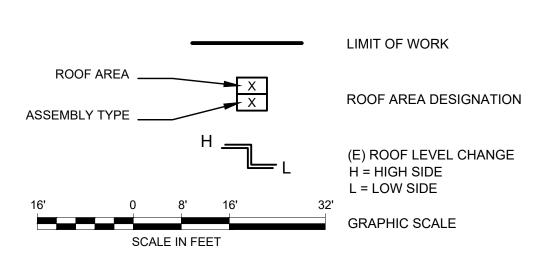
> ROOM 001 ROOM NAME AND NO.

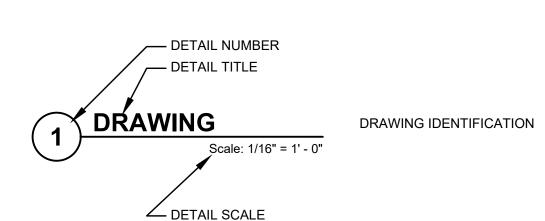
KEYNOTE - DEMOLITION KEYNOTE - ROOF CONSTRUCTION

KEYNOTE - CEILING CONSTRUCTION









ROOFING GENERAL NOTES

THE FOLLOWING NOTES APPLY TO ALL DRAWINGS:

- 1. CONTRACTOR SHALL COORDINATE ALL DEMOLITION ACTIVITIES WITH REBUILD / PPR / TENANT.
- 2. ALL ROOFS ARE TO BE MAINTAINED IN WATERTIGHT CONDITION FROM START OF DEMOLITION UNTIL NEW WORK IS COMPLETE.
- CONTRACTOR SHALL COORDINATE ALL GROUND OPERATIONS, INCLUDING LOCATIONS FOR EQUIPMENT SETUP, MATERIAL STORAGE DEBRIS STORAGE AND REMOVAL, ETC., WITH REBUILD / PPR / TENANT.
- 4. CONTRACTOR SHALL PROTECT ALL BUILDING EXITS AND SIDEWALKS FROM OVERHEAD ROOF WORK.
- 5. CONTRACTOR SHALL COORDINATE REMOVAL / MAINTENANCE / RELOCATION OF ROOF LIGHTS, ANTENNA, SATELLITE & CAMERAS WITH REBUILD / PPR / TENANT
- 6. ALL DETAILS SHALL INCORPORATE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR WARRANTY APPROVAL
- 7. REFER TO ROOF LEGEND THIS SHEET FOR ROOF EQUIPMENT AND PENETRATIONS.
- 8. COORDINATE IN FIELD EXACT LOCATION OF EXISTING PIPE/DUCT PENETRATIONS UNDER DUNNAGE. NOTIFY REBUILD / PPR / ARCHITECT IN WRITING IF PIPE OR DUCT PENETRATIONS VARY FROM PLAN.
- 9. PROVIDE PITCH POCKETS FOR ALL 2" OR SMALLER PIPE/CONDUIT PENETRATIONS.
- 10. ALL NOTES REFER TO NEW WORK UNLESS DESIGNATED (E) EXISTING.
- 11. ALL DETAILS, INSTRUCTIONS, NOTES, FINISHES, MATERIALS AND DIMENSIONS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS. UNLESS NOTED OTHERWISE.
- 12. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ALL DISCREPANCIES TO REBUILD / PPR OR ARCHITECT.
- 13. CONTRACTOR SHALL PERFORM CORE TESTS AT EACH DESIGNATED ROOF AREA TO VERIFY EXISTING SUBSTRATE.

EXISTING SURFACE PREPARATION NOTES:

- 1. ALUMINUM SUBSTRATE PREP FOR LIQUID FLASHING: CLEAN AS PER SSPC SURFACE PREPARATION STANDARD NO. 15. DO NOT DAMAGE ALUMINUM
- 2. STEEL SUBSTRATE PREP FOR LIQUID FLASHING: CLEAN AS PER SSPC SURFACE PREPARATION STANDARD NO. 11. DO NO PERMIT STAINS TO REMAIN ON SURFACE.
- 3. PVC SUBSTRATE PREP FOR LIQUID FLASHING: USE 20 GRIT SANDPAPER TO REMOVE ALL EPDM GLUE RESIDUE AND TO ROUGHEN UP SURFACE. DO NOT USE POWER TOOL.
- 4. GALVANIZED STEEL PREP FOR PAINTING: SOLVENT CLEAN PER SSPC-SP1 THEN PRIME AS REQUIRED. IF ADHESION IS POOR, BRUSH BLAST PER SSPC-SP7. DO NOT DAMAGE STEEL SUBSTRATE.

CORRECTIVE WORK TO BE PAID FOR UNDER PROJECT CONTINGENCY:

- REMOVAL AND REPLACEMENT OF DAMAGED LIGHTWEIGHT INSULATING CONCRETE (LWIC). ARCHITECT / CONSULTANT SHALL DETERMINE CONDITION OF LWIC IN FIELD AT TIME OF ROOF REMOVAL.
- REMOVAL AND REPLACEMENT IN KIND OF DAMAGED OR DETERIORATED WOOD BLOCKING AND SHEATHING, ARCHITECT / CONSULTANT SHALL DETERMINE CONDITION OF WOOD IN FIELD AT TIME OF ROOF REMOVAL.
- 3. OTHER UNFORESEEN CORRECTIVE WORK. CONTRACTOR SHALL BRING TO IMMEDIATE ATTENTION OF REBUILD / PPR / ARCHITECT.

ROOF EQUIPMENT LEGEND



(E) EXHAUST FAN, REMOVABLE UNIT



(E) VENT STACK



ROOF DRAIN, WITH NEW TAPERED SUMP



(E) ROOF PÉNETRATION



AREA OF WALKWAY PAD



(E) PITCH POCKET



(E) AIR HANDLER, NON-REMOVABLE UNIT, MOUNTED ON CURB



(E) CONTROL PANEL OR ELECTRICAL PANEL



(E) GRAVITY VENT



(E) MISCELLANEOUS **ROOFTOP EQUIPMENT**



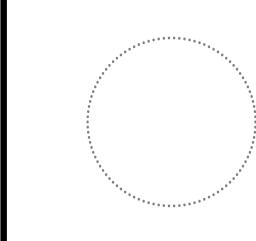
(E) CHIMNEY



(E) ELECTRICAL CONDUIT

APPROVED: ARCHITECT/ENGINEER OF RECORD DATE **APPROVED FOR BID: REBUILD PROJECT MANAGER** DATE





| REVISION | DESCRIPTION | DATE |
|----------|-------------|------|
| Proiect: | | |

MLK RECREATION CENTER ROOF REPLACEMENT

> **GENERAL** INFORMATION

FINAL PRICING SET TARA RASHEED CONVERSE WINKLER ARCHITECTURE

SEPT. 4, 2020 AB

> 16366E-02-02 G-001 CW-1909.02

WOOD BLOCKING

PHILADELPHIA CODE B-1504.9: REFLECTANCE

ANALYSIS OF USE AND OCCUPANCY CLASSIFICATIONS:

IBC 308.4 ASSEMBLY GROUP A4 INCLUDES INDOOR SPORTING EVENTS AND ACTIVITIES WITH SPECTATOR SEATING

ANALYSIS OF CONSTRUCTION TYPE:

IBC 602.2 TYPE II B

TYPES I AND II CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS LISTED IN TABLE 601 ARE OF NONCOMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603

IBC 603.1 COMBUSTIBLE MATERIALS PERMITTED IN TYPE I AND II CONSTRUCTION IN FOLLOWING APPLICATIONS: 1.1. NONBEARING PARTITIONS WHERE THE REQUIRED

FIRE-RESISTANCE RATING IS 2 HOURS OR LESS.

1.2. NONBEARING EXTERIOR WALLS WHERE FIRE-RESISTANCE-RATED CONSTRUCTION IS NOT REQUIRED.

1.3. ROOF CONSTRUCTION, INCLUDING GIRDERS, TRUSSES, FRAMING AND DECKING.

4. ROOF COVERINGS THAT HAVE AN A,B, OR C

CLASSIFICATION. 5. INTERIOR FLOOR FINISH AND FLOOR COVERING

MATERIALS 6. MILLWORK SUCH AS DOORS, DOOR FRAMES, WINDOW

SASHES AND FRAMES. 7. INTERIOR WALL AND CEILING FINISHES

10. FINISH FLOORING 15. BLOCKING SUCH AS FOR HANDRAILS, MILLWORK, CABINETS AND WINDOW AND DOOR FRAMES.

16. MASTICS AND CAULKING MATERIALS APPLIED TO PROVIDE FLEXIBLE SEALS BETWEEN COMPONENTS OF EXTERIOR WALL CONSTRUCTION

IBC TABLE 516.1(2) FIRE WALLS AND FIRE BARRIERS HAVING A REQ'D FIRE RESISTANCE RATING OF 2 SHALL HAVE MIN FIRE DOOR ASSEMBLY RATING OF 1.5 HRS

ANALYSIS OF ALTERATIONS:

BUILDING IS EQUIPPED WITH AN APPROVED AUTOMATED SPRINKLER SYSTEM.

GOVERNING CODE: INTERNATIONAL EXISTING BUILDING CODE 2018

IEBC 602.1 LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT. OR FIXTURES THAT SERVE THE SAME PURPOSE.

IEBC 701.2 CONFORMANCE. AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

IEBC 703.1 ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

IEBC 704.1 ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

IEBC 705.1 EXCEPTION:

1.ROOF REPLACEMENT OR ROOF COVER OF EXISTING LOW-SLOPE ROOF COVERINGS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN SLOPE REQUIREMENT OF ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) IN SECTION 1507 OF THE INTERNATIONAL BUILDING CODE FOR ROOFS THAT PROVIDE POSITIVE ROOF DRAINAGE. 2. RECOVERING OR REPLACING AN EXISTING ROOF COVERING SHALL NOT BE REQUIRED TO MEET THE REQUIREMENT FOR SECONDARY (EMERGENCY OVERFLOW) DRAINS OR SCUPPERS IN SECTION 1502 OF THE INTERNATIONAL BUILDING CODE FOR ROOFS THAT PROVIDE FOR POSITIVE ROOF DRAINAGE. FOR THE PURPOSES OF THE EXCEPTION, EXISTING SECONDARY DRAINAGE OR SCUPPER SYSTEMS REQUIRED IN ACCORDANCE WITH THIS CODE SHALL NOT BE REMOVED UNLESS THEY ARE REPLACED BY SECONDARY DRAINS OR SCUPPERS DESIGNED AND INSTALLED IN ACCORDANCE WITH SECTION 1502.

IEBC 705.3.1.1 EXCEPTIONS:

1.WHERE THE EXISTING ROOF OR ROOF COVERING IS WATER SOAKED OR HAS DETERIORATED TO THE POINT THAT THE EXISTING ROOF OR ROOF COVERING IS NOT ADEQUATE AS A BASE FOR ADDITIONAL ROOFING. 3.WHERE THE EXISTING ROOF HAS TWO OR MORE APPLICATIONS OF ANY TYPE OR ROOF COVERING.

ANALYSIS OF REROOFING:

IBC 1511.1 EXCEPTION:

1.ROOF REPLACEMENT OR ROOF RECOVER OF EXISTING LOW-SLOPE ROOF COVERINGS SHALL NOT BE REQUIRED TO MEET THE MINIMUM DESIGN SLOPE REQUIREMENT OF ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) IN SECTION 1507 FOR ROOFS THAT PROVIDE POSITIVE ROOF DRAINAGE

ANALYSIS OF ENERGY CODE COMPLIANCE PER IEBC 2018: IECC ENERGY CONSERVATION - 2018

IECC TABLE 301.1 PHILADELPHIA, PA: ZONE 4A.

IECC 402 BUILDING ENVELOPE REQUIREMENTS GENERAL (PRESCRIPTIVE) IECC 402.1

1.THE OPAQUE PORTION OF THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH THE SPECIFIC INSULATION REQUIREMENTS OF SECTION C402.2 AND THE THERMAL REQUIREMENTS OF EITHER R-VALUE BASED METHOD OF SECTION C402.1.3; THE U-,C-AND F-FACTOR-BASED METHOD OF SECTION C402.1.4; OR THE COMPONENT PERFORMANCE ALTERNATIVE OF SECTION C402.1.5. 2.ROOF SOLAR REFLECTANCE AND THERMAL EMITTANCE

SHALL COMPLY WITH SECTION C402.3. EXCEPTION: SEE PHILADELPHIA CODE SECTION B-1504.0

REFLECTANCE 3.FENESTRATION IN BUILDING ENVELOPE ASSEMBLIES SHALL COMPLY WITH SECTION C402.5

- WHERE BUILDINGS HAVE VERTICAL FENESTRATION AREA OR SKYLIGHT ARE EXCEEDING THAT ALLOWED IN SECTION C402.4, THE BUILDING AND BUILDING THERMAL ENVELOPE SHALL COMPLY WITH SECTION C401,2. ITEM 1 OR SECTION C401.2 ITEM 3.

IECC TABLE 402.1.3 OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, R-VALUE METHOD ROOFS: INSULATION ENTIRELY ABOVE ROOF DECK:

> R-30ci WALLS, ABOVE GRADE: METAL FRAMED: R-1 + R-7.5ci

IECC TABLE402.1.4 OPAQUE THERMAL ENVELOPE ASSEMBLY MAXIMUM REQUIREMENTS, U-FACTOR METHOD

ROOFS: INSULATION ENTIRELY ABOVE ROOF DECK: U-0.032 WALLS, ABOVE GRADE: METAL FRAMED: U-0.064

IECC 402.2 **ROOF ASSEMBLY**

THE MINIMUM THERMAL RESISTANCE (R-VALUE) OF THE INSULATING MATERIAL INSTALLED EITHER BETWEEN THE ROOF FRAMING OR CONTINUOUSLY ON THE ROOF ASSEMBLY SHALL BE AS SPECIFIED IN TABLE C402.1.3, BASED ON CONSTRUCTION MATERIAL USED IN THE ROOF ASSEMBLY... CONTINUOUS INSULATION BOARD SHALL BE INSTALLED IN NOT LESS THAN 2 LAYERS AND THE EDGE JOINTS BETWEEN EACH LAYER OF INSULATION SHALL BE STAGGERED.

> **EXCEPTIONS:** 1.CONTINUOUSLY INSULATED ROOF ASSEMBLIES WHERE THE THICKNESS OF INSULATION VARIES 1 INCH (25MM) OR LESS AND WHERE THE AREA-WEIGHTED U-FACTOR IS EQUIVALENT TO THE SAME ASSEMBLY WITH THE R-VALUE SPECIFIED IN TABLE C402.1.3

2.WHERE TAPERED INSULATION IS USED WITH INSULATION ENTIRELY ABOVE DECK, THE R-VALUE WHERE THE INSULATION THICKNESS VARIES 1 INCH (25MM) OR LESS FROM MINIMUM THICKNESS OF TAPERED INSULATION SHALL COMPLY WITH THE R-VALUE SPECIFIED IN TABLE C402.1.3 3. TWO LAYERS OF INSULATION ARE NOT REQUIRED WHERE INSULATION TAPERS TO THE ROOF DECK, SUCH AS AT ROOF DRAINS. THE PHILADELPHIA BUILDING CODE COMPLIANCE:

PBC B-1504.9

PBC CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES PBC 1504 PERFORMANCE REQUIREMENTS

> REFLECTANCE: ROOF COVERINGS OVER CONDITIONED SPACES ON LOW-SLOPE ROOFS (ROOF SLOPE <2:12) ON NEWLY CONSTRUCTED BUILDINGS AND ADDITIONS TO EXISTING BUILDINGS SHALL BE ENERGY STAR RATED AS HIGHLY REFLECTIVE. **EXCEPTIONS:**

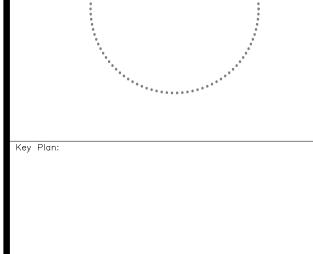
> > 2.ROOF AREA USED AS OUTDOOR RECREATION SPACE BY THE OCCUPANTS OF THE BUILDING. 5.A ROOF, THE AREA OF WHICH IS LESS THAN THREE (3) PERCENT OF THE GROSS FLOOR ARE OF THE BUILDING.

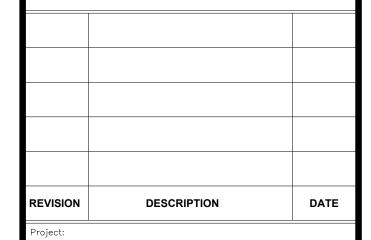
APPROVED: ARCHITECT/ENGINEER OF RECORD DATE **APPROVED FOR BID:**

DATE

CONVERSE

REBUILD PROJECT MANAGER





MLK RECREATION CENTER ROOF REPLACEMENT

CODE SYNOPSIS **GENERAL SAFETY** & SECURITY NOTES

FINAL PRICING SET

TARA RASHEED

CONVERSE WINKLER ARCHITECTURE SEPT. 4, 2020

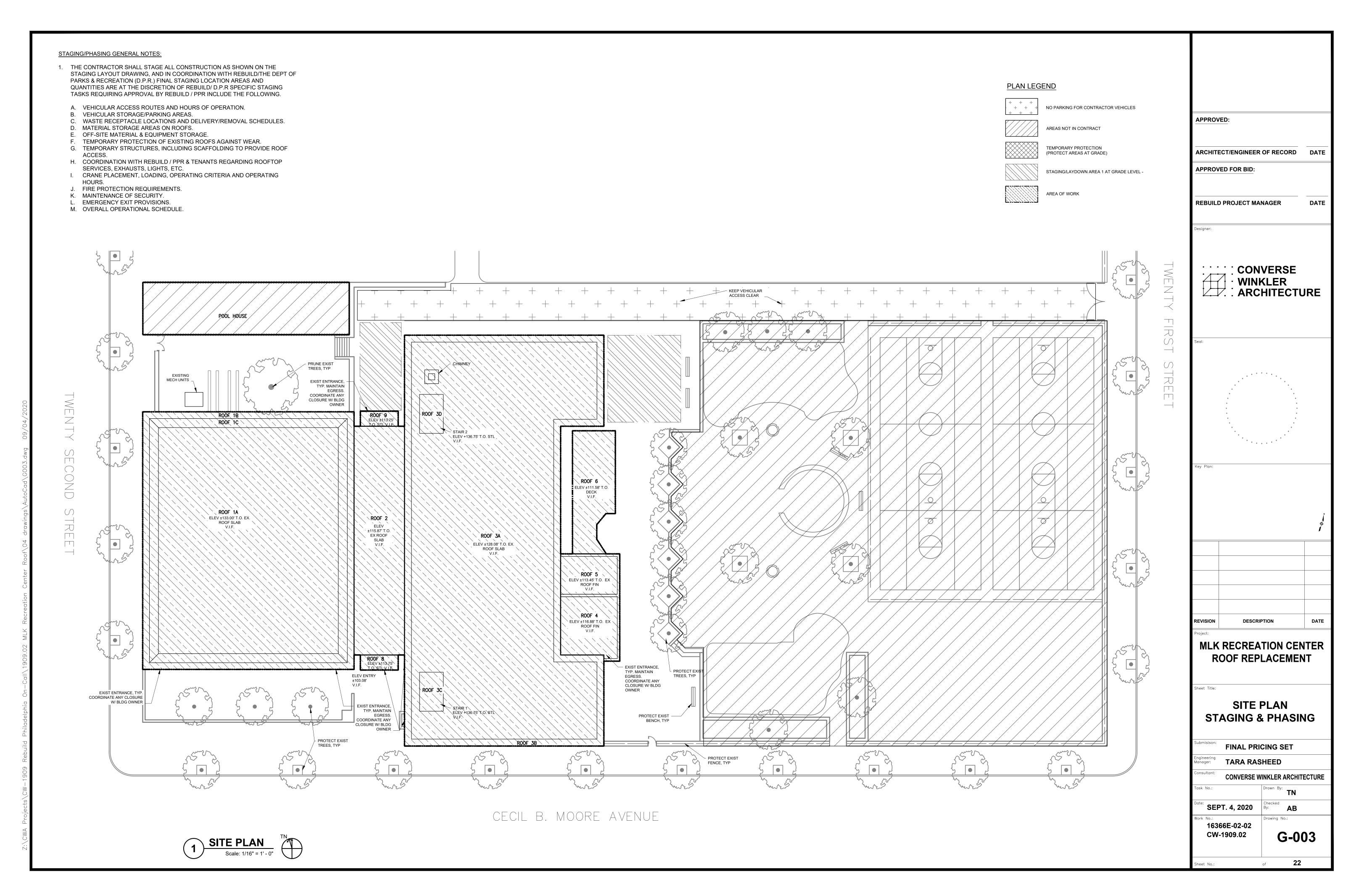
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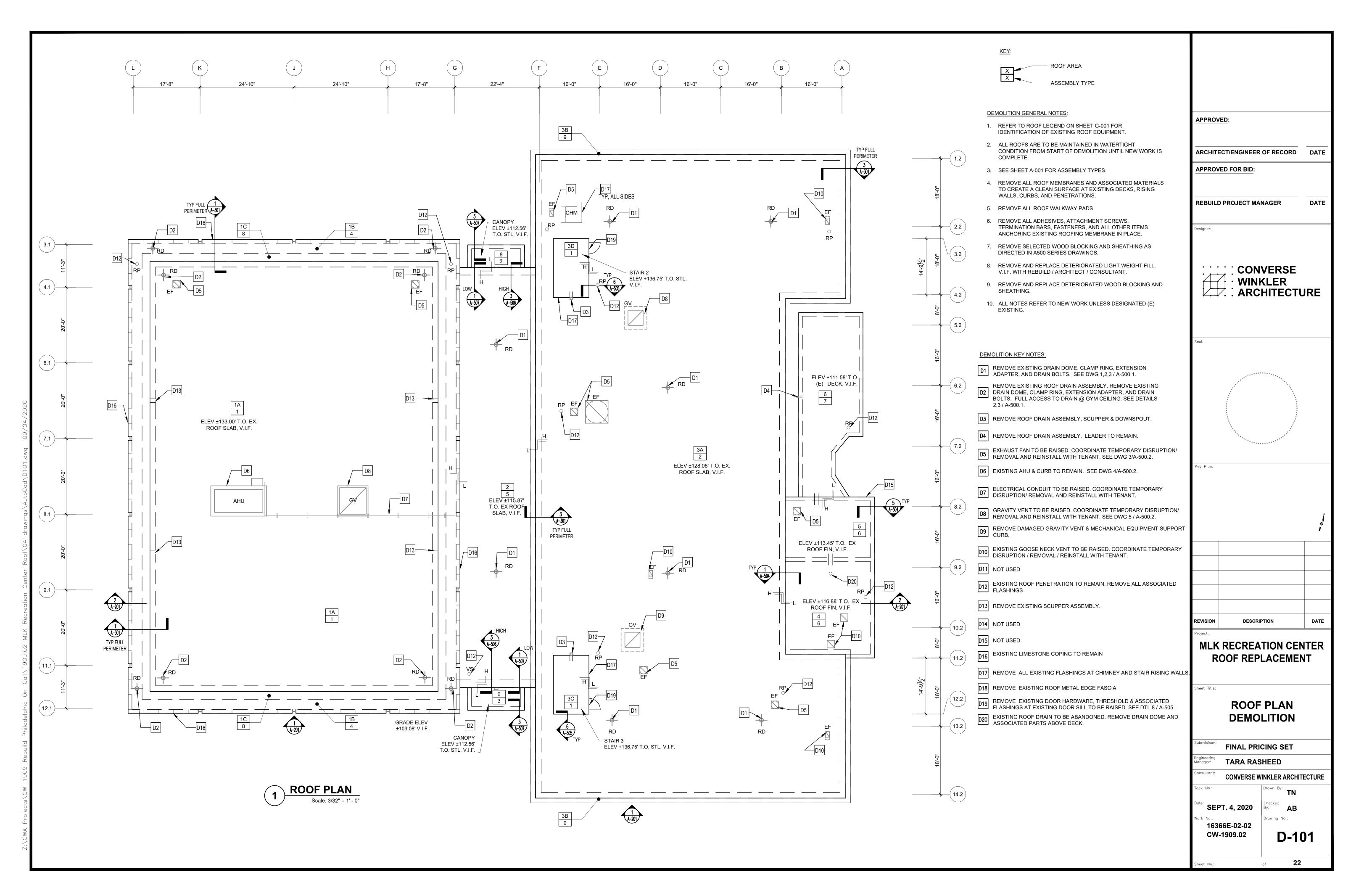
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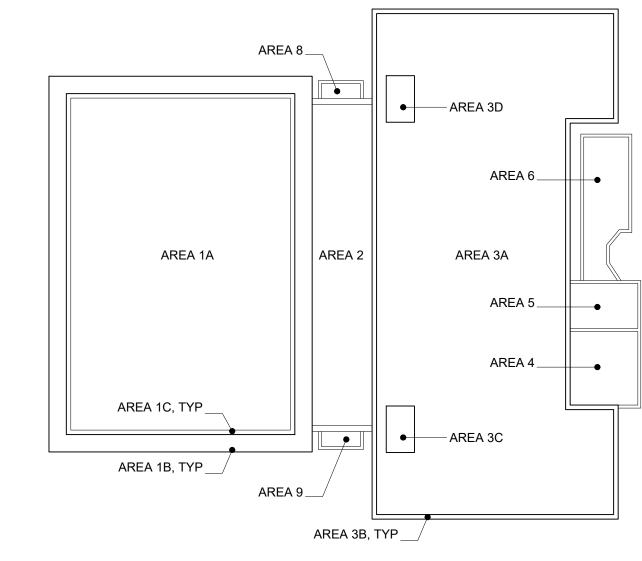
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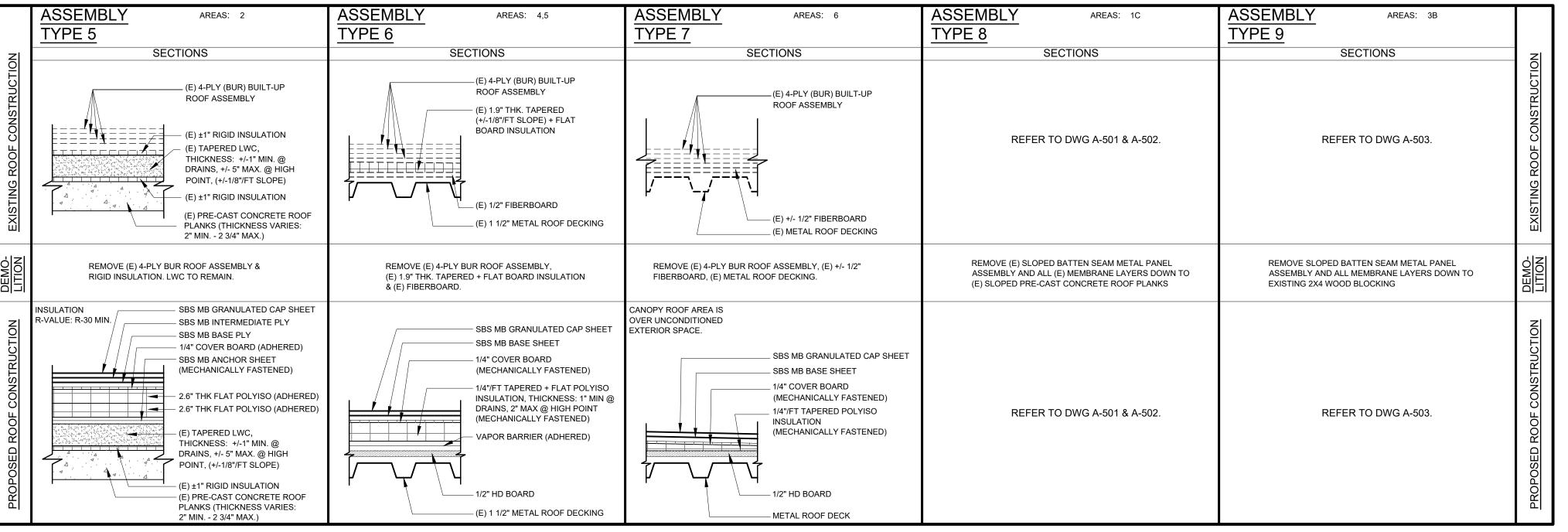
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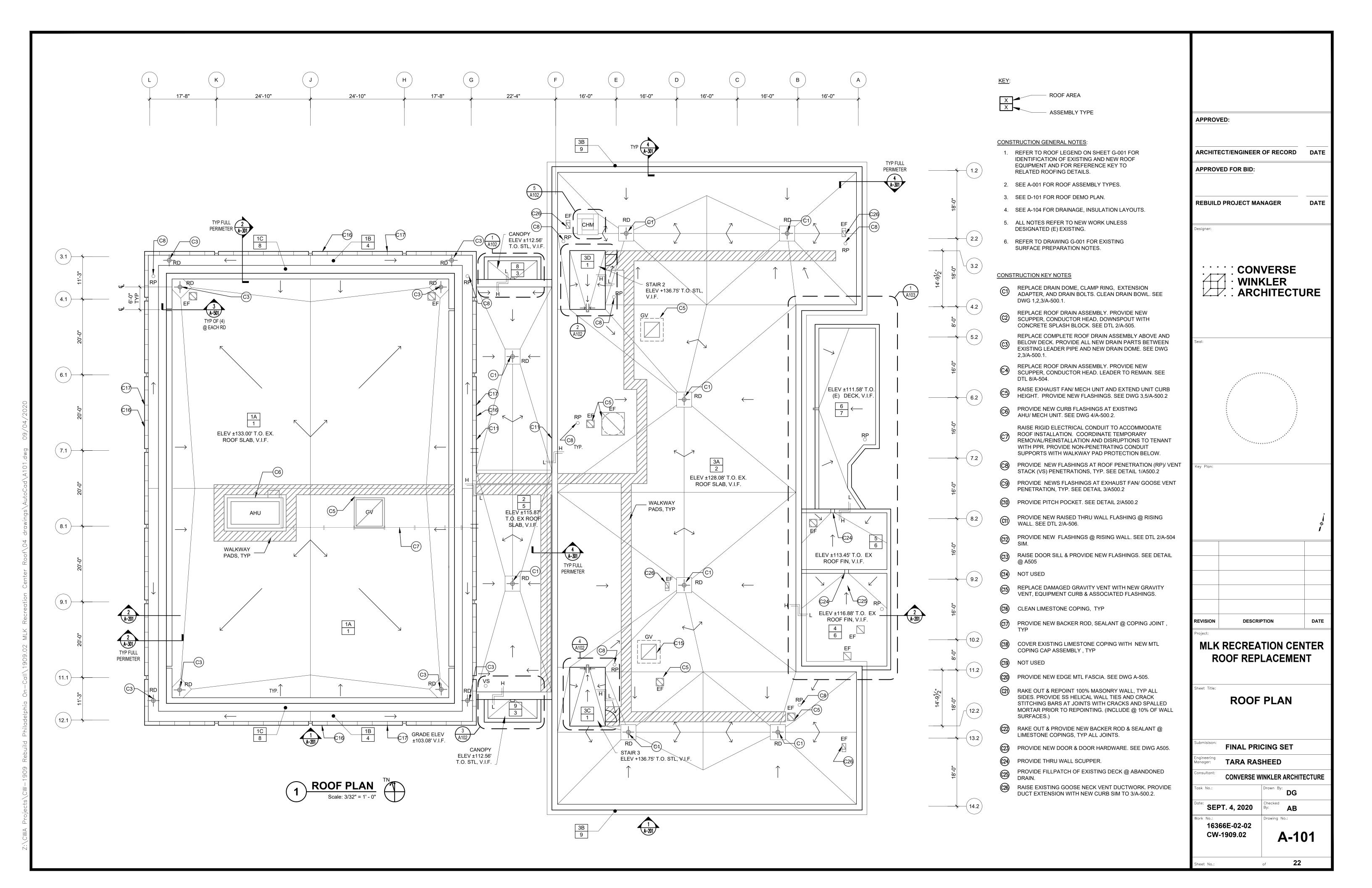


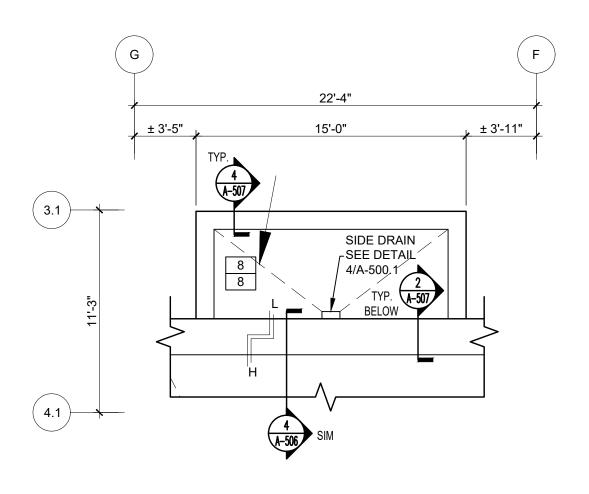


ROOF AREA KEY PLAN

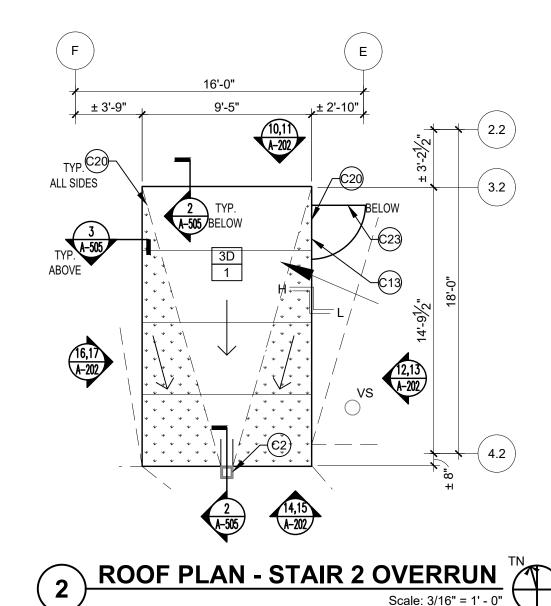


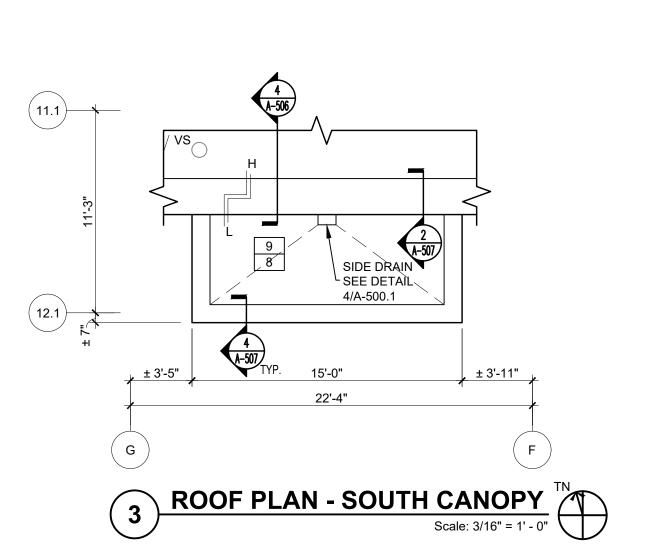
APPROVED: ARCHITECT/ENGINEER OF RECORD DATE **APPROVED FOR BID: REBUILD PROJECT MANAGER** DATE CONVERSE REVISION DESCRIPTION MLK RECREATION CENTER ROOF REPLACEMENT **ROOF ASSEMBLY TYPES** FINAL PRICING SET TARA RASHEED **CONVERSE WINKLER ARCHITECTURE SEPT. 4, 2020** AB 16366E-02-02 A-001 CW-1909.02 22

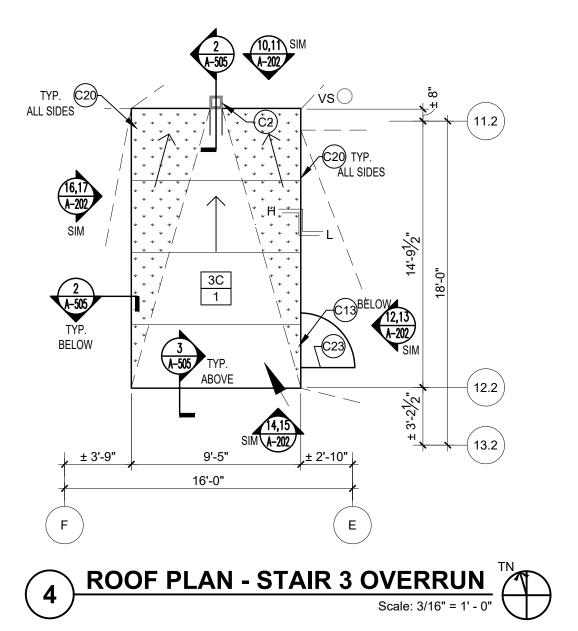


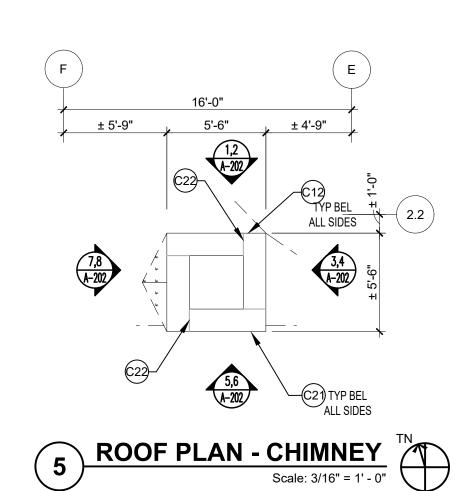


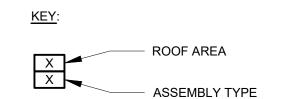
ROOF PLAN - NORTH CANOPY











CONSTRUCTION GENERAL NOTES:

- 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 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 DTL 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
- REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW SCUPPER, CONDUCTOR HEAD. LEADER TO REMAIN. SEE
- RAISE EXHAUST FAN/ MECH UNIT AND EXTEND UNIT CURB RAISE EXHAUST FAN/ MECH UNIT AND EATEND ONLY COLD HEIGHT. PROVIDE NEW FLASHINGS. SEE DWG 3,5/A-500.2
- PROVIDE NEW CURB FLASHINGS AT EXISTING AHU/ MECH UNIT. SEE DWG 4/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 FLASHINGS AT ROOF PENETRATION (RP)/ VI STACK (VS) PENETRATIONS, TYP. SEE DETAIL 1/A500.2
- PROVIDE NEWS FLASHINGS AT EXHAUST FAN/ GOOSE VEN PENETRATION, TYP. SEE DETAIL 3/A500.2
- PROVIDE PITCH POCKET. SEE DETAIL 2/A500.2
- PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-506.
- PROVIDE NEW FLASHINGS @ RISING WALL. SEE DTL 2/A-504 SIM.
- RAISE DOOR SILL & PROVIDE NEW FLASHINGS. SEE DETAIL
- @ A505 (14) NOT USED
- REPLACE DAMAGED GRAVITY VENT WITH NEW GRAVITY VENT, EQUIPMENT CURB & ASSOCIATED FLASHINGS.
- C16 CLEAN LIMESTONE COPING, TYP
- PROVIDE NEW BACKER ROD, SEALANT @ COPING JOINT,
- COVER EXISTING LIMESTONE COPING WITH NEW MTL COPING CAP ASSEMBLY , TYP
- (19) NOT USED
- 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
- RAISE EXISTING GOOSE NECK VENT DUCTWORK. PROVIDE DUCT EXTENSION WITH NEW CURB SIM TO 3/A-500.2.

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MLK RECREATION CENTER ROOF REPLACEMENT

ENLARGED ROOF PLANS

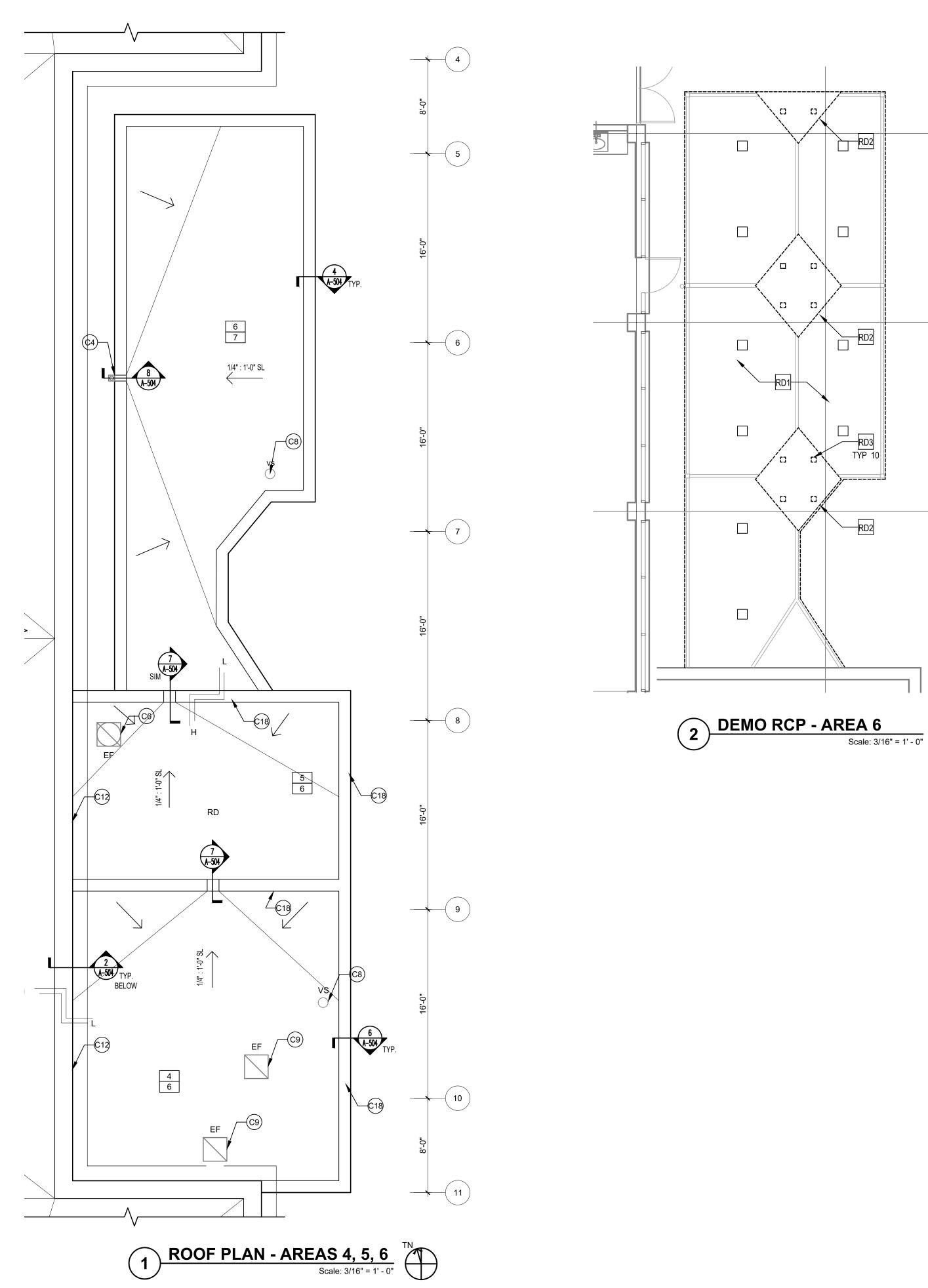
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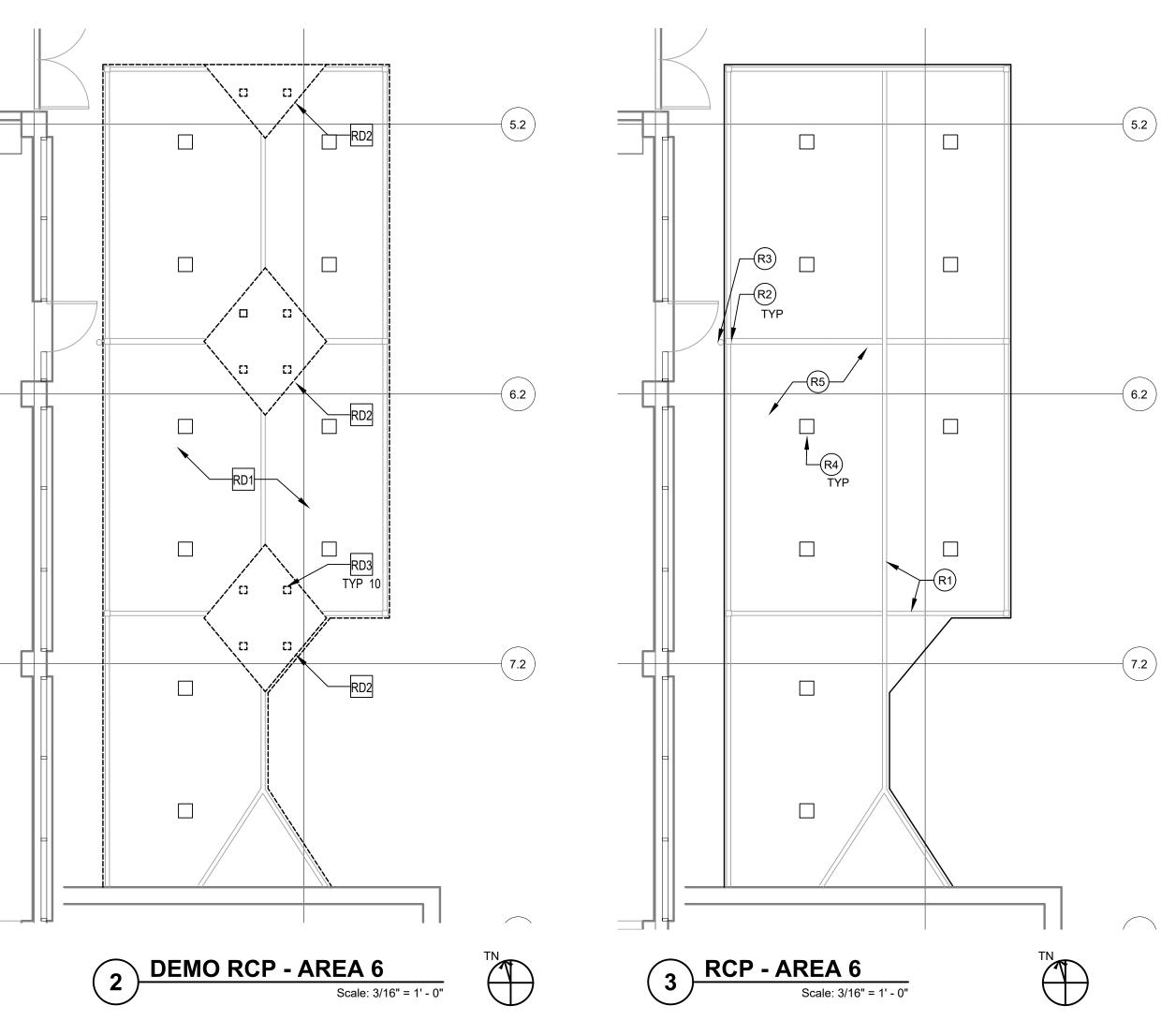
TARA RASHEED

CONVERSE WINKLER ARCHITECTURE

DG **SEPT. 4, 2020** AB 16366E-02-02

A-102 CW-1909.02





RCP DEMOLITION KEY NOTES:

RD1 REMOVE EXISTING MTL ROOF DECK. SEE DWG A001 FOR NEW ROOF ASSEMBLY

RD2 REMOVE EXISTING PLYWOOD CEILING PANEL

RD3 REMOVE EXISTING LIGHT FIXTURE. COORDINATE TEMPORARY DISRUPTION/ REMOVAL AND REINSTALL WITH TENANT.

- STRIP EXIST PNT & PROVIDE NEW PNT FIN AT EXISTING MTL ROOF FRAMING MEMBERS (6"x2" C CHANNEL)
- STRIP EXIST PNT & PROVIDE NEW PNT FIN AT
- EXISTING HSS POST (4" x 4" x 7'-10")
- NEW SCUPPER & CONDUCTOR HEAD. PNT FIN LEADER TO
- NEW LIGHT FIXTURE. BOD: HUBBEL LSQ1-40.
- INSTALL NEW PAINTED STEEL ROOF DECK THROUGHOUT PER DELEGATED DESIGN.

CONSTRUCTION GENERAL NOTES:

- 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 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 DTL 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
- PROVIDE NEW CURB FLASHINGS AT EXISTING AHU/ MECH UNIT. SEE DWG 4/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 FLASHINGS AT ROOF PENETRATION (RP)/ VENT STACK (VS) PENETRATIONS, TYP. SEE DETAIL 1/A500.2
- PROVIDE NEWS FLASHINGS AT EXHAUST FAN/ GOOSE VENT PENETRATION, TYP. SEE DETAIL 3/A500.2
- PROVIDE PITCH POCKET. SEE DETAIL 2/A500.2
- PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL. SEE DTL 2/A-506.
- PROVIDE NEW FLASHINGS @ RISING WALL. SEE DTL 2/A-504
- RAISE DOOR SILL & PROVIDE NEW FLASHINGS. SEE DETAIL
- (C14) NOT USED
- REPLACE DAMAGED GRAVITY VENT WITH NEW GRAVITY VENT, EQUIPMENT CURB & ASSOCIATED FLASHINGS.
- CLEAN LIMESTONE COPING, TYP
- PROVIDE NEW BACKER ROD, SEALANT @ COPING JOINT , TYP
- COVER EXISTING LIMESTONE COPING WITH NEW MTL COPING CAP ASSEMBLY , TYP
- NOT USED
- 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
- RAKE OUT & PROVIDE NEW BACKER ROD & SEALANT @ LIMESTONE COPINGS, TYP ALL JOINTS.
- PROVIDE NEW DOOR & DOOR HARDWARE. SEE DWG A505.
- PROVIDE THRU WALL SCUPPER.
- DUCT EXTENSION WITH NEW CURB SIM TO 3/A-500.2.

PROVIDE FILLPATCH OF EXISTING DECK @ ABANDONED DRAIN. RAISE EXISTING GOOSE NECK VENT DUCTWORK. PROVIDE APPROVED: ARCHITECT/ENGINEER OF RECORD DATE APPROVED FOR BID: DATE **REBUILD PROJECT MANAGER** CONVERSE **WINKLER** . : ARCHITECTURE DESCRIPTION REVISION

MLK RECREATION CENTER **ROOF REPLACEMENT**

> **ENLARGED ROOF PLANS - AREAS** 4,5,6& RCP

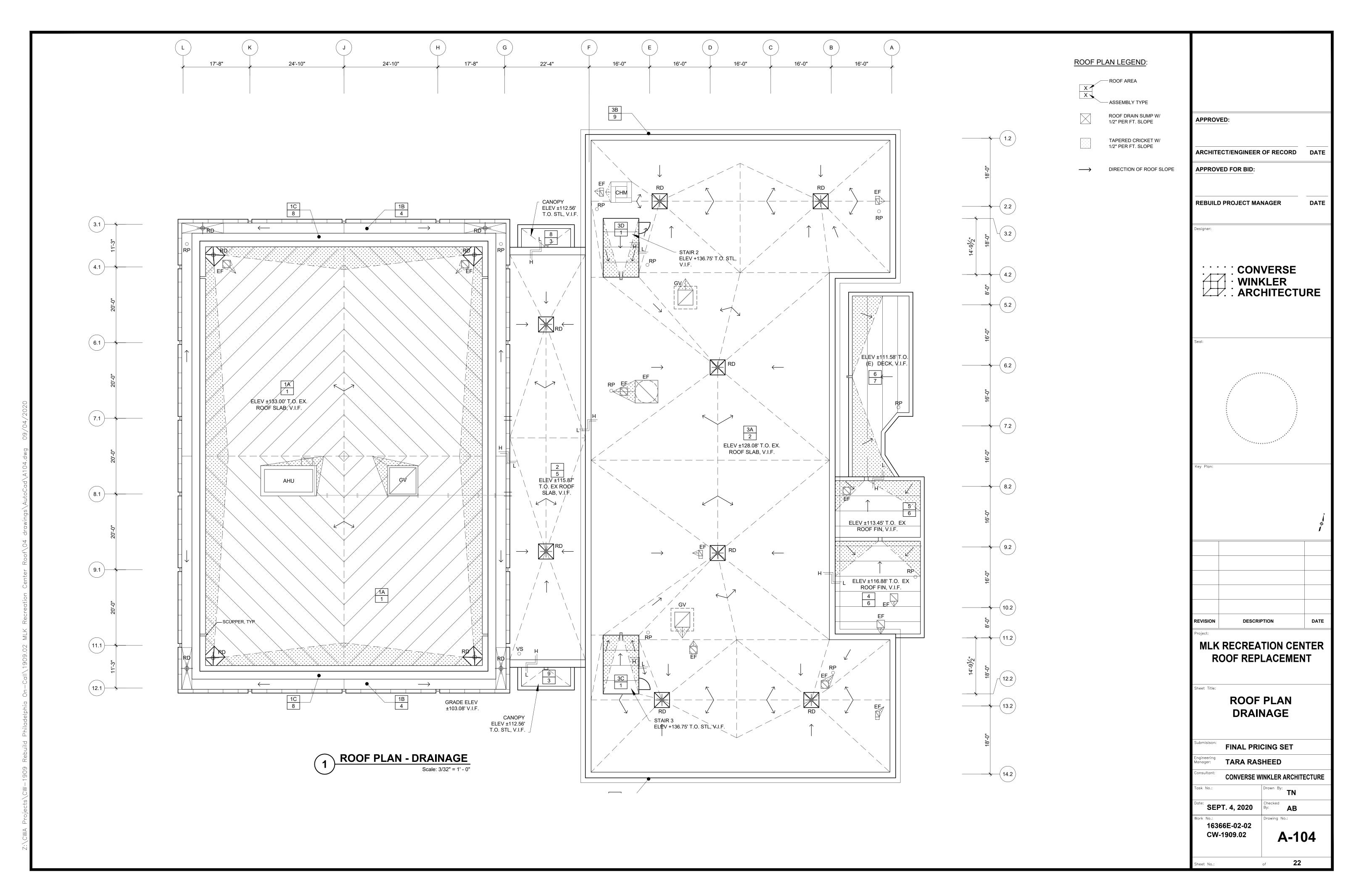
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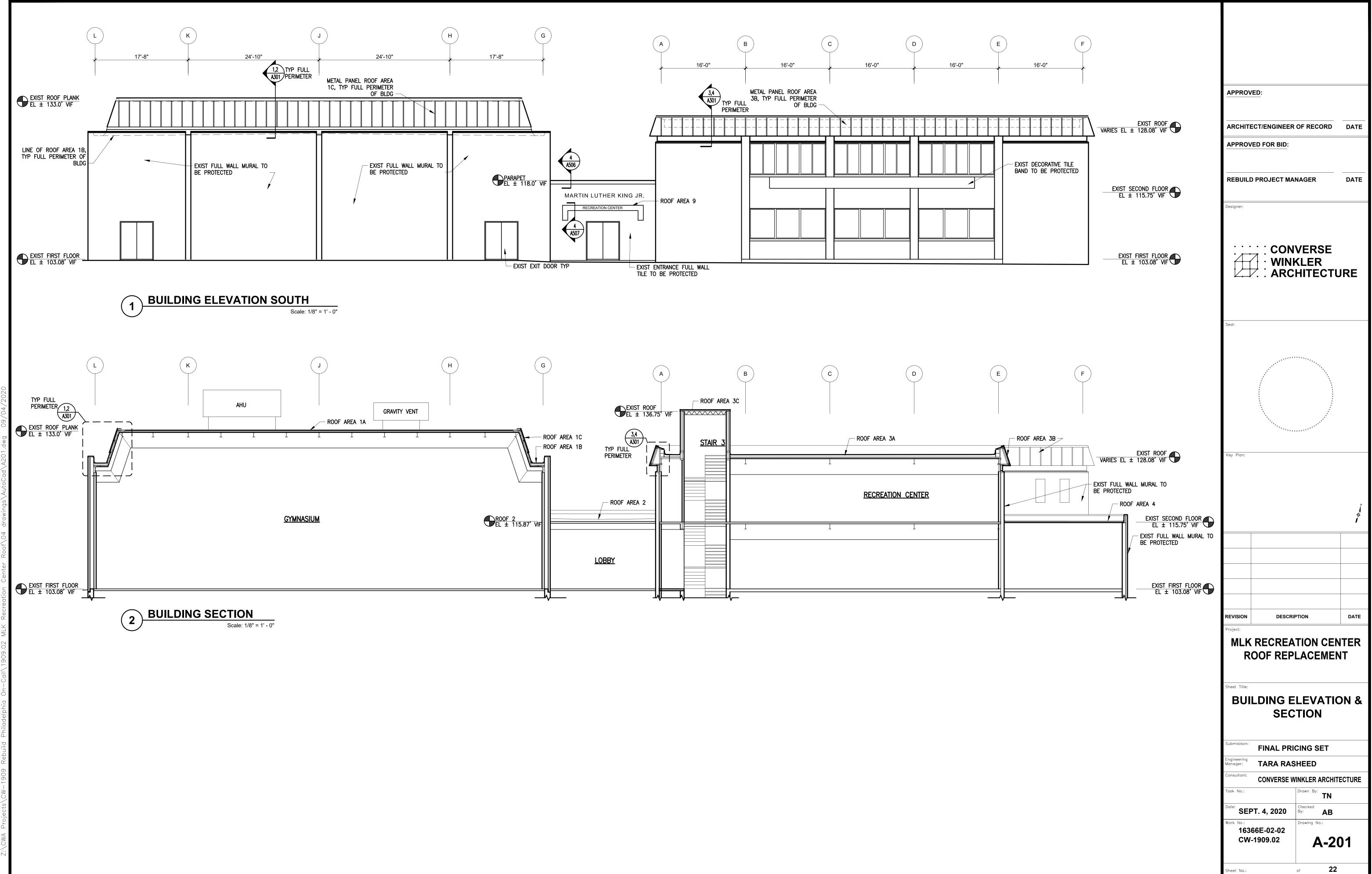
TARA RASHEED

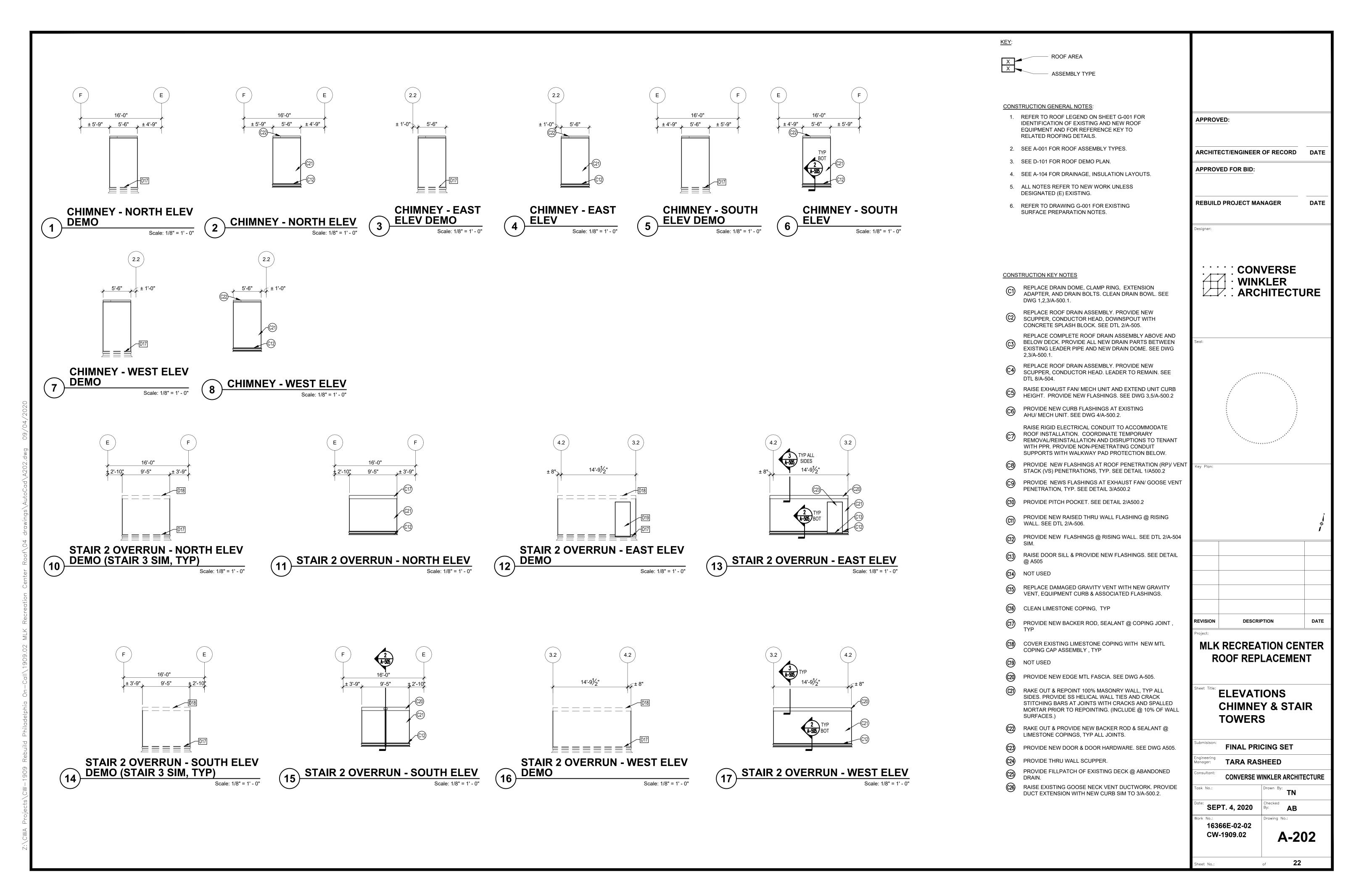
CONVERSE WINKLER ARCHITECTURE

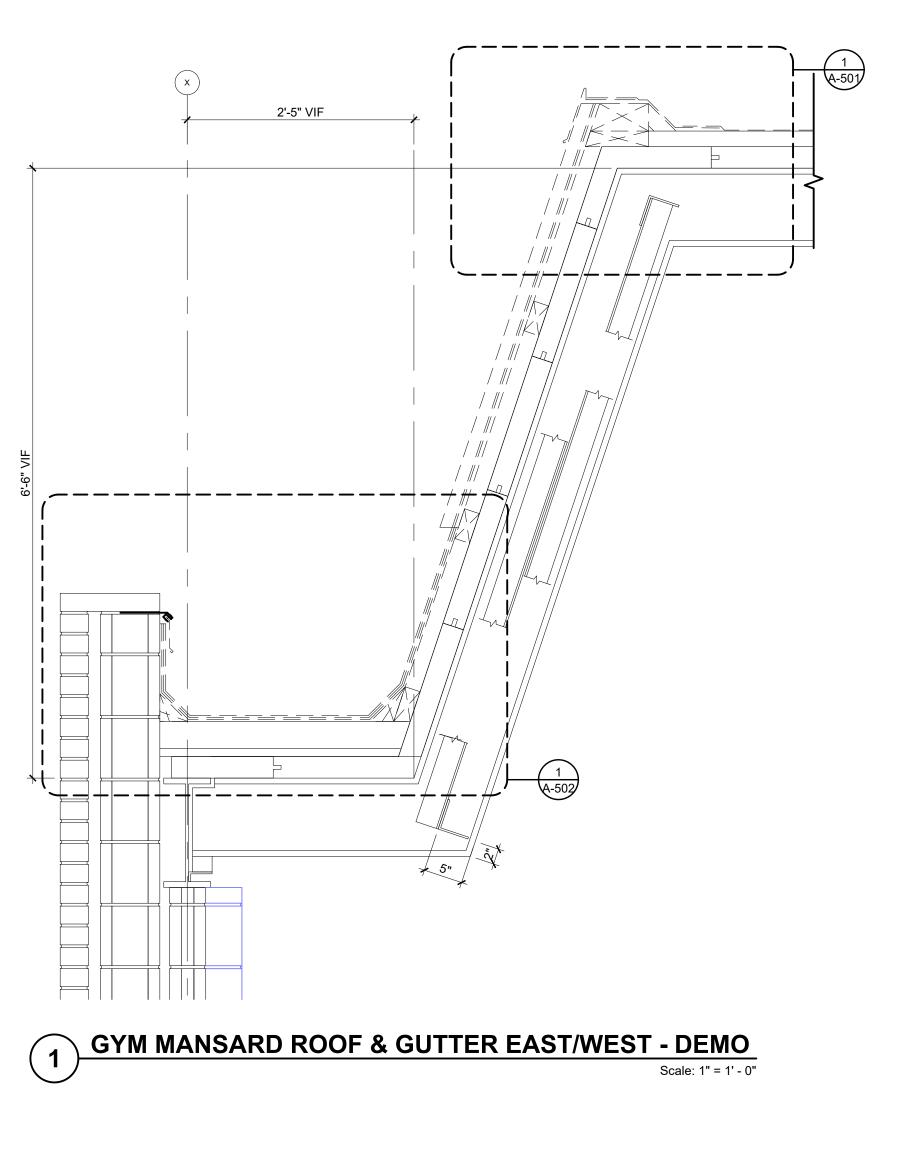
TN **SEPT. 4, 2020** AB 16366E-02-02

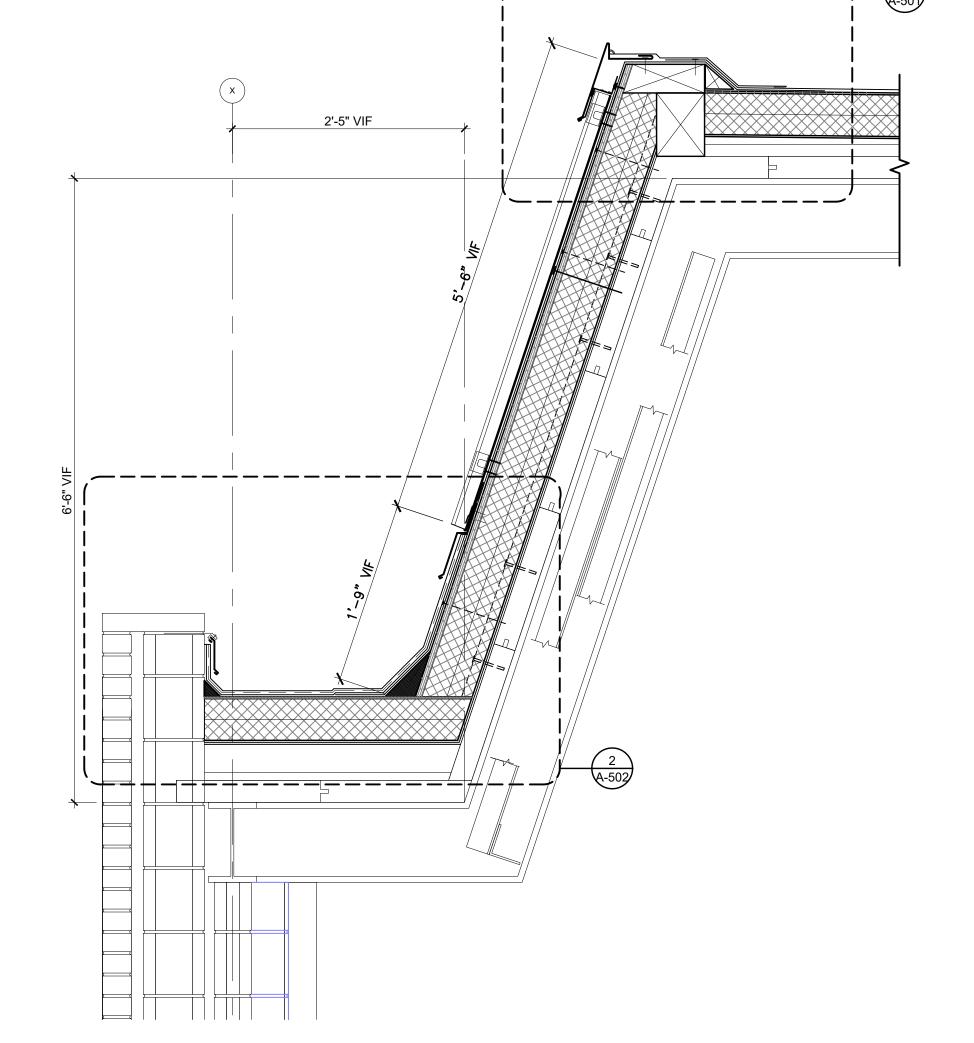
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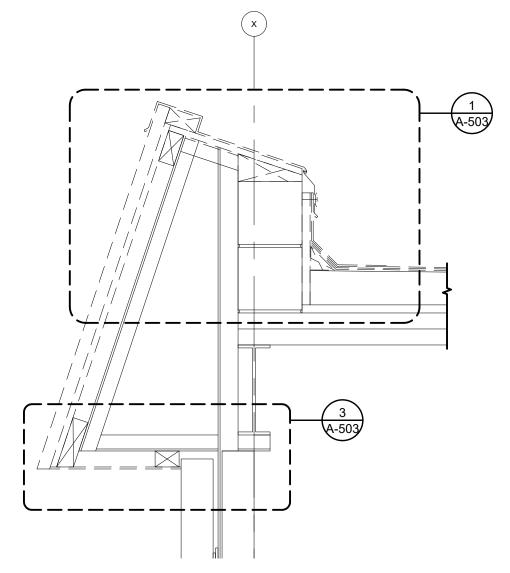




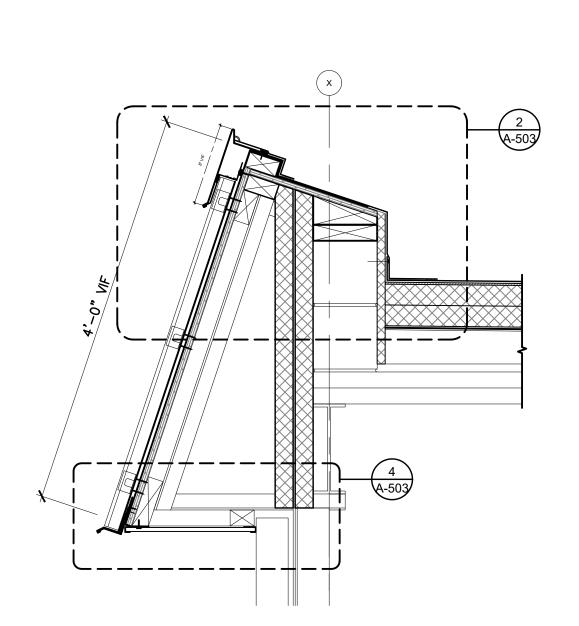




GYM MANSARD ROOF & GUTTER EAST/WEST - PROPOSEDScale: 1" = 1' - 0"



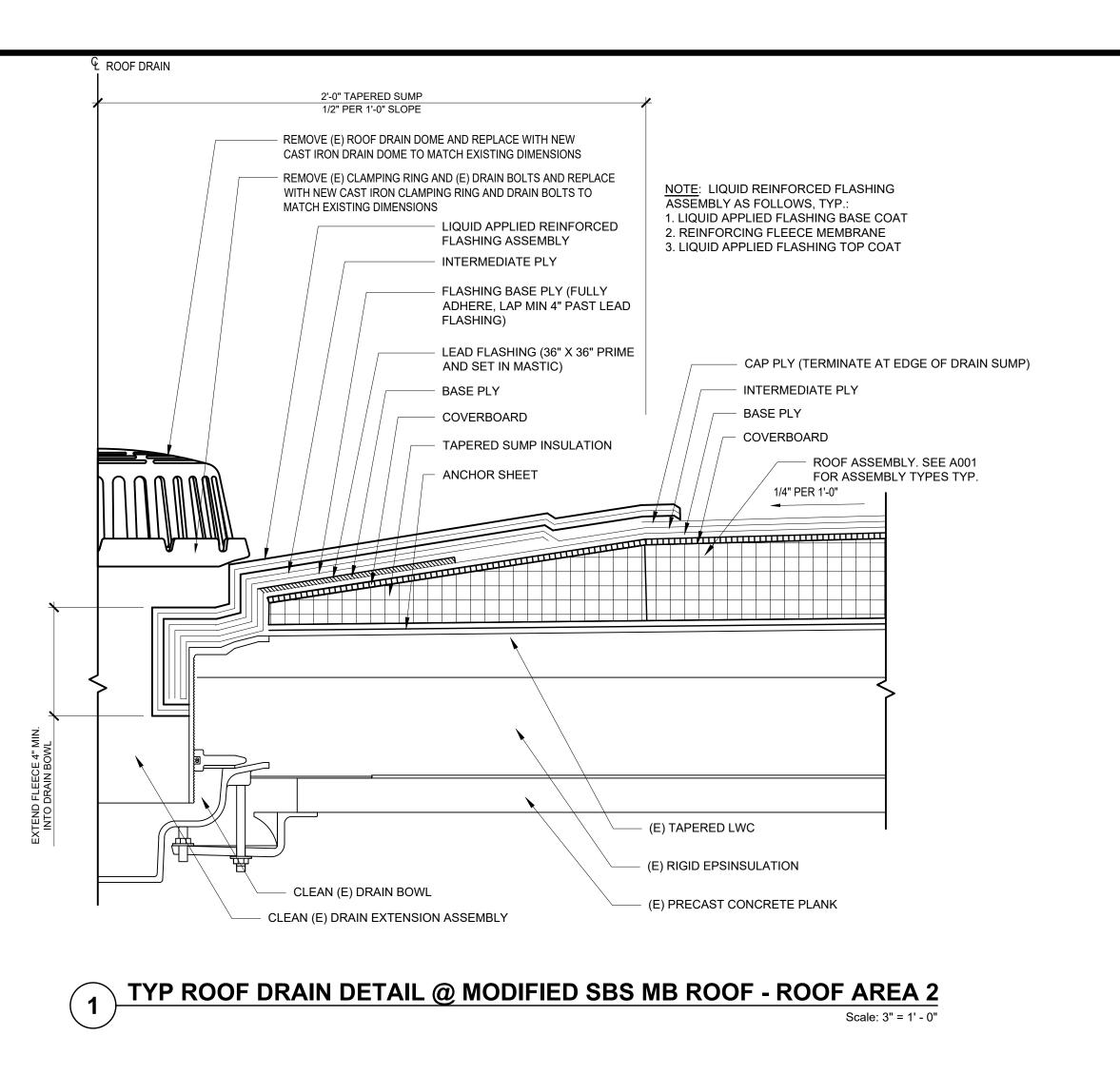
3 REC CENTER MANSARD ROOF - DEMO
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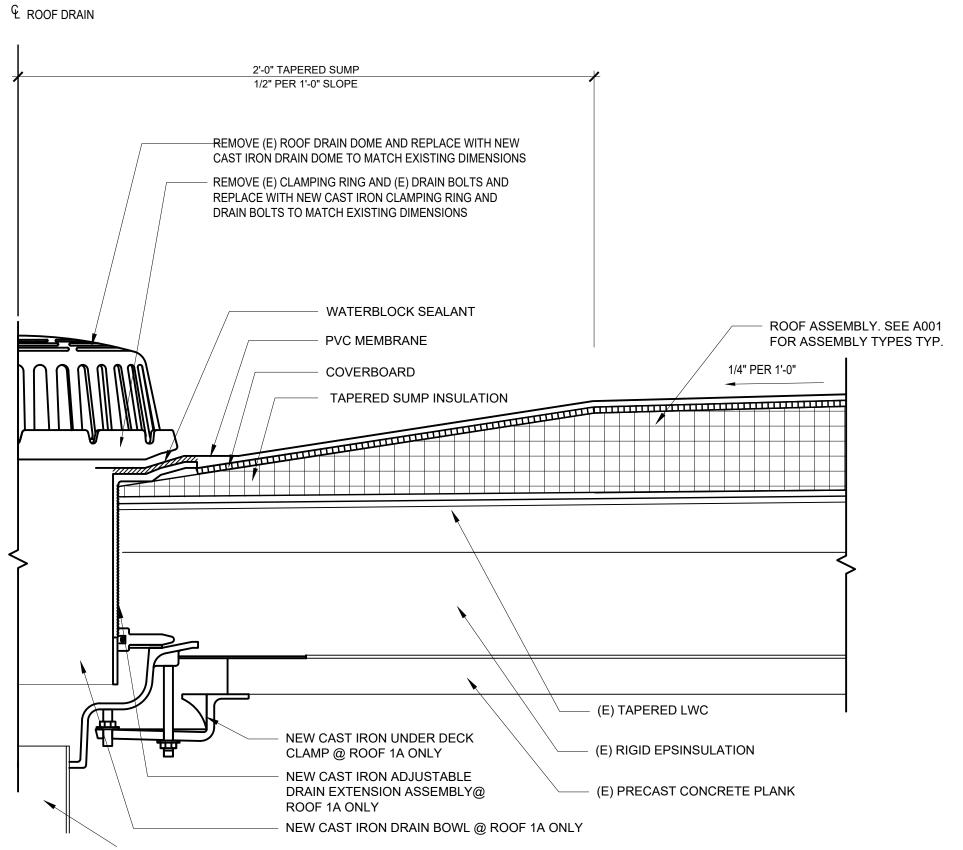


REC CENTER MANSARD ROOF - PROPOSED

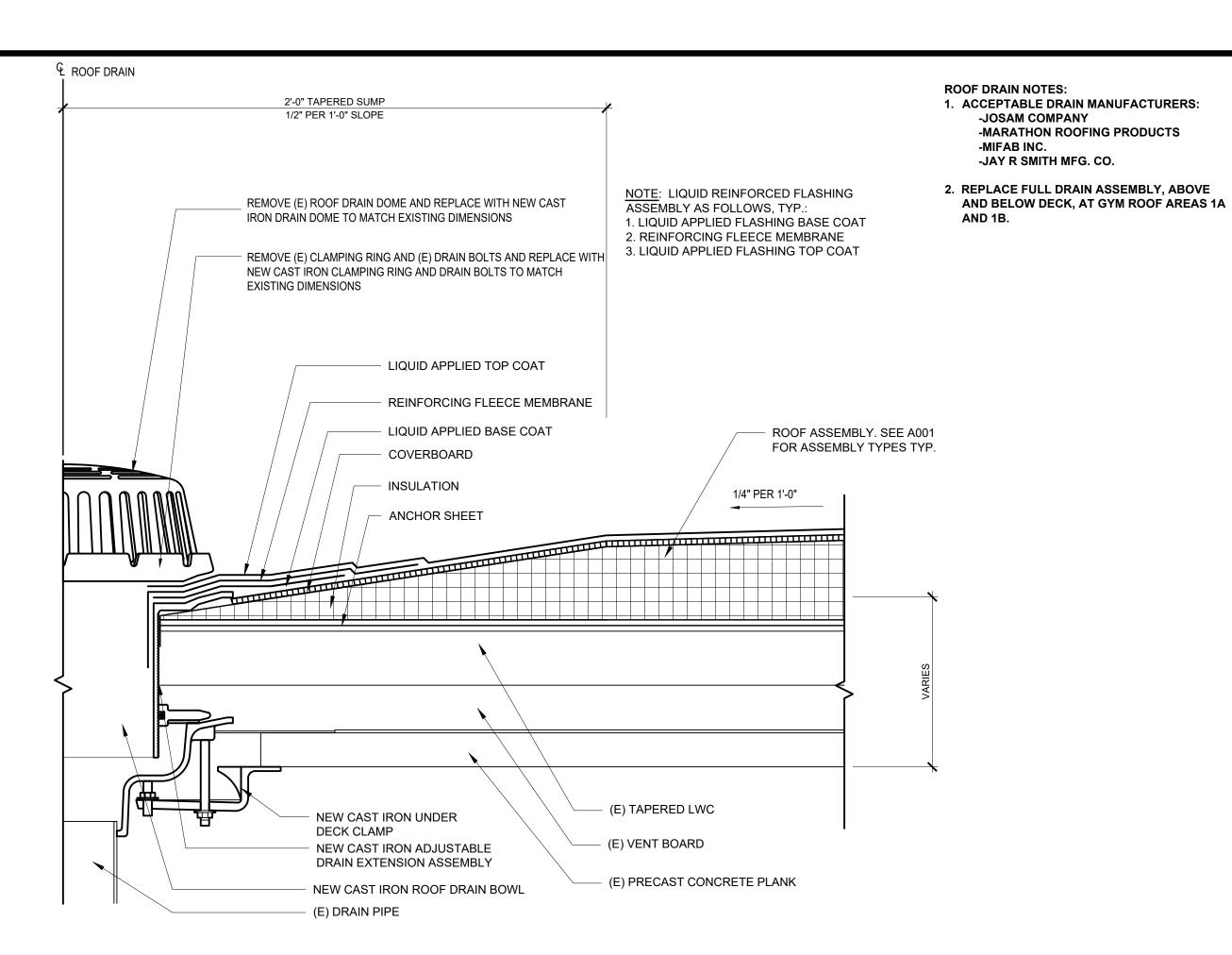
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APPROVED: ARCHITECT/ENGINEER OF RECORD DATE APPROVED FOR BID: REBUILD PROJECT MANAGER DATE CONVERSE
WINKLER
ARCHITECTURE DESCRIPTION MLK RECREATION CENTER **ROOF REPLACEMENT MANSARD SECTIONS FINAL PRICING SET** TARA RASHEED CONVERSE WINKLER ARCHITECTURE Drawn By: SEPT. 4, 2020 16366E-02-02 CW-1909.02 A-301



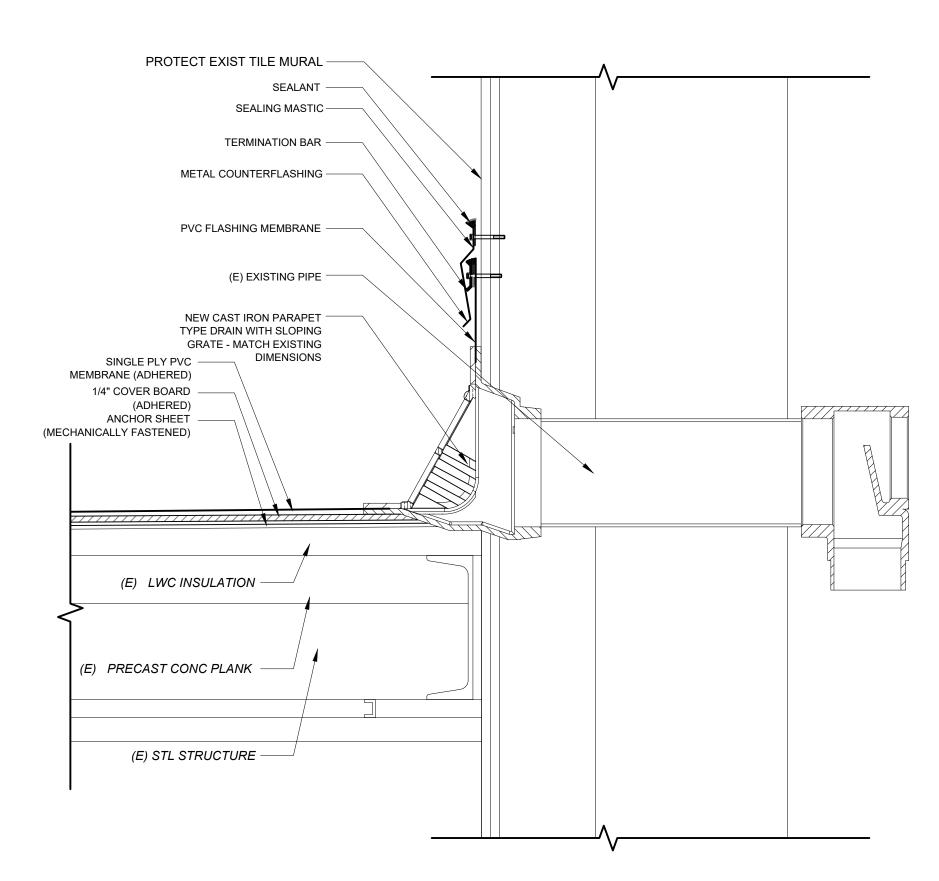


TYP ROOF DRAIN DETAIL @ PVC ROOF - ROOF AREAS 1A AND 3A



TYP ROOF DRAIN DETAIL @ LIQUID APPLIED MEMBRANE ROOF - ROOF AREA 1B

Scale: 3" = 1' - 0"



PARAPET TYPE DRAIN DETAIL @ PVC ROOF - ROOF AREAS 8 AND 9

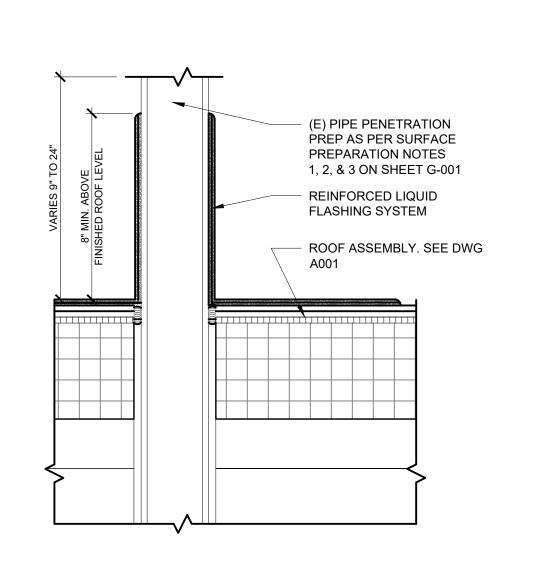
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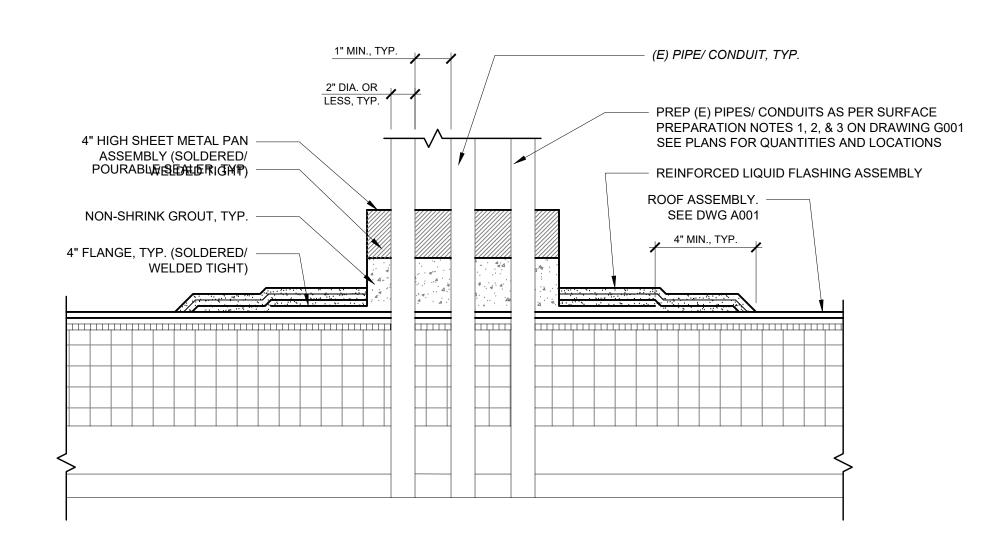
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16366E-02-02

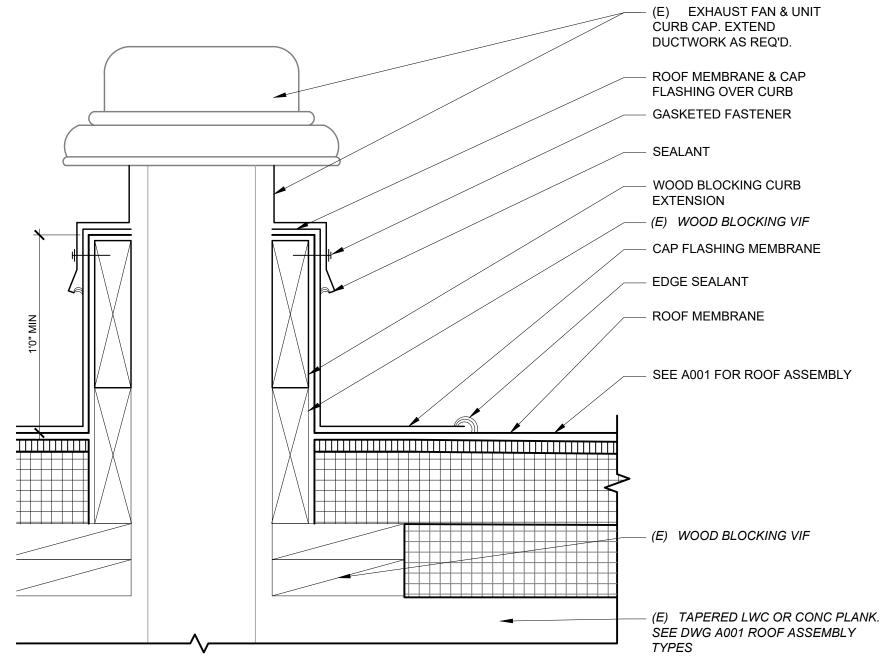
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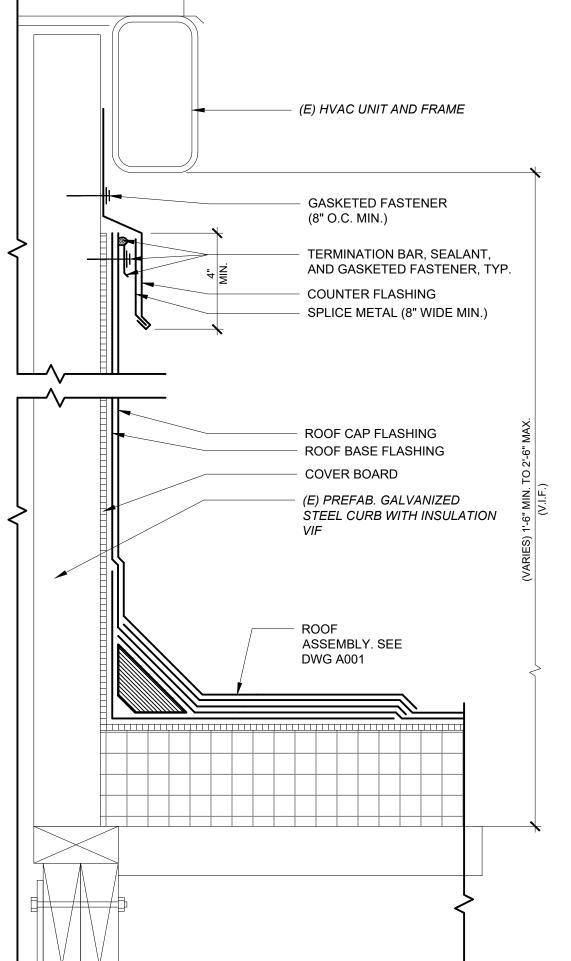


PITCH POCKET DETAIL

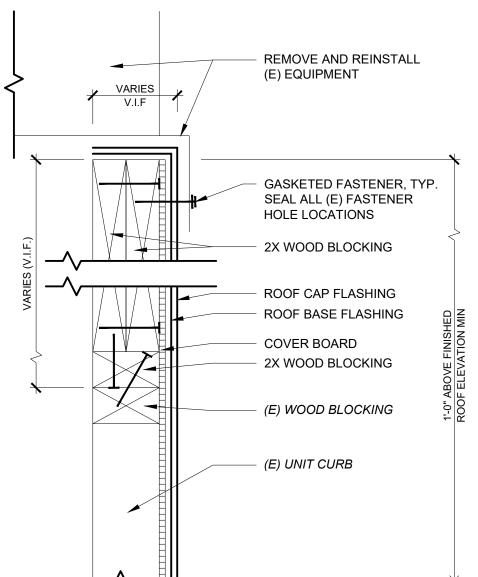


EXHAUST FAN/ GOOSENECK VENT CURB EXTENSION

FLASHING @ ROOF PENETRATION Scale: 3" = 1' - 0" (E) HVAC UNIT AND FRAME

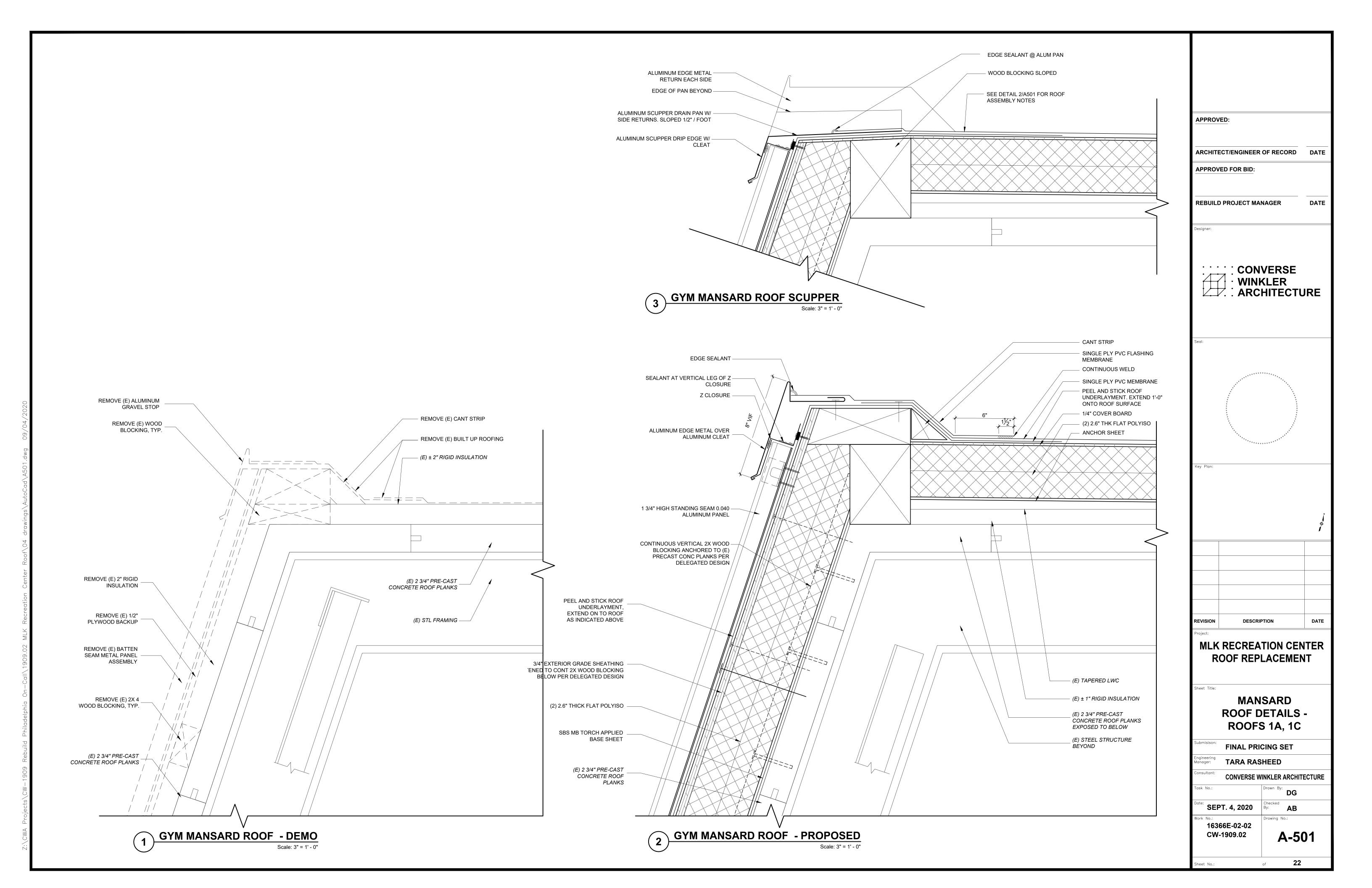


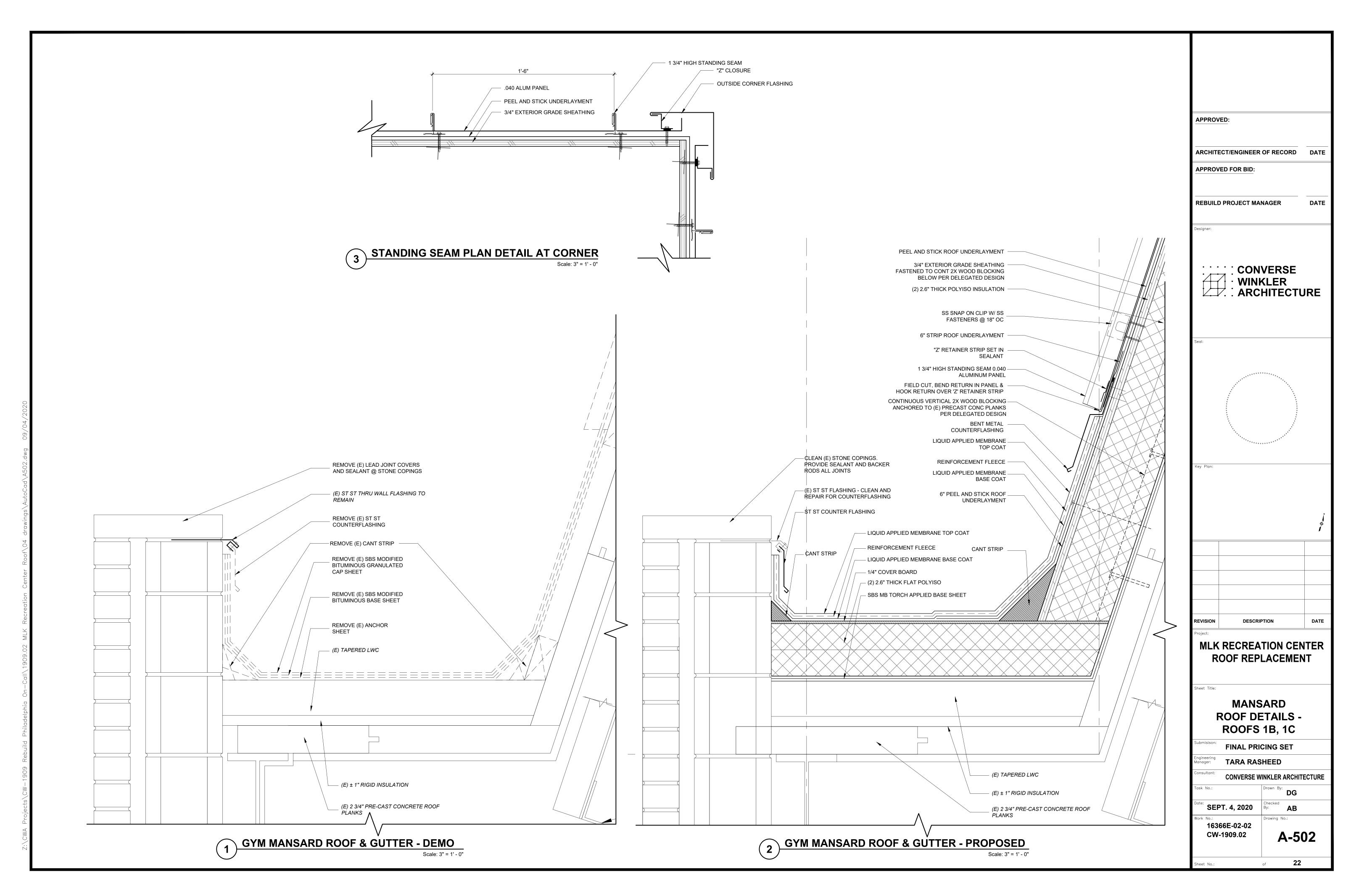
4 ROOF DTL @ NON REMOVABLE UNIT Scale: 3" = 1' - 0"

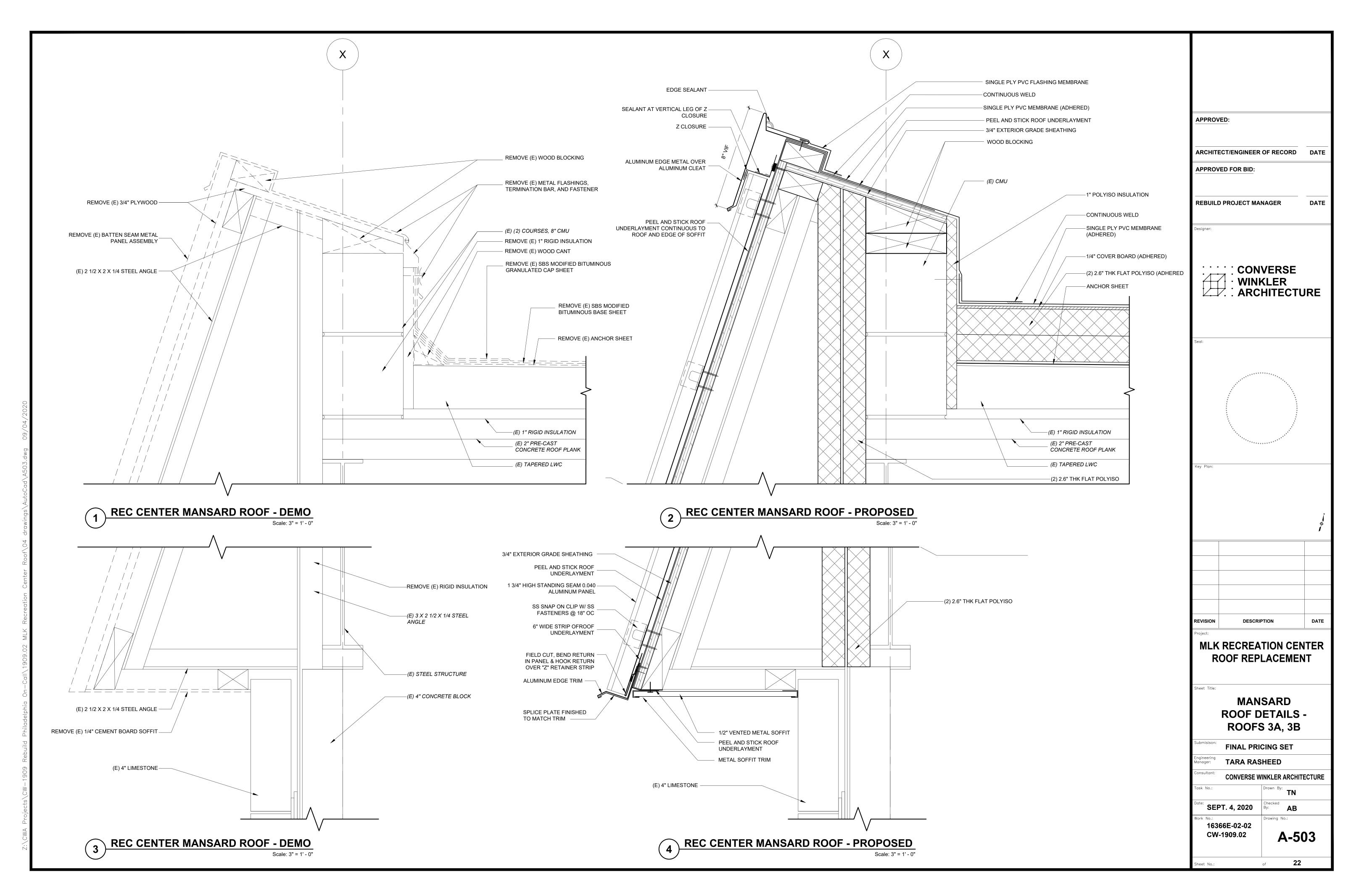


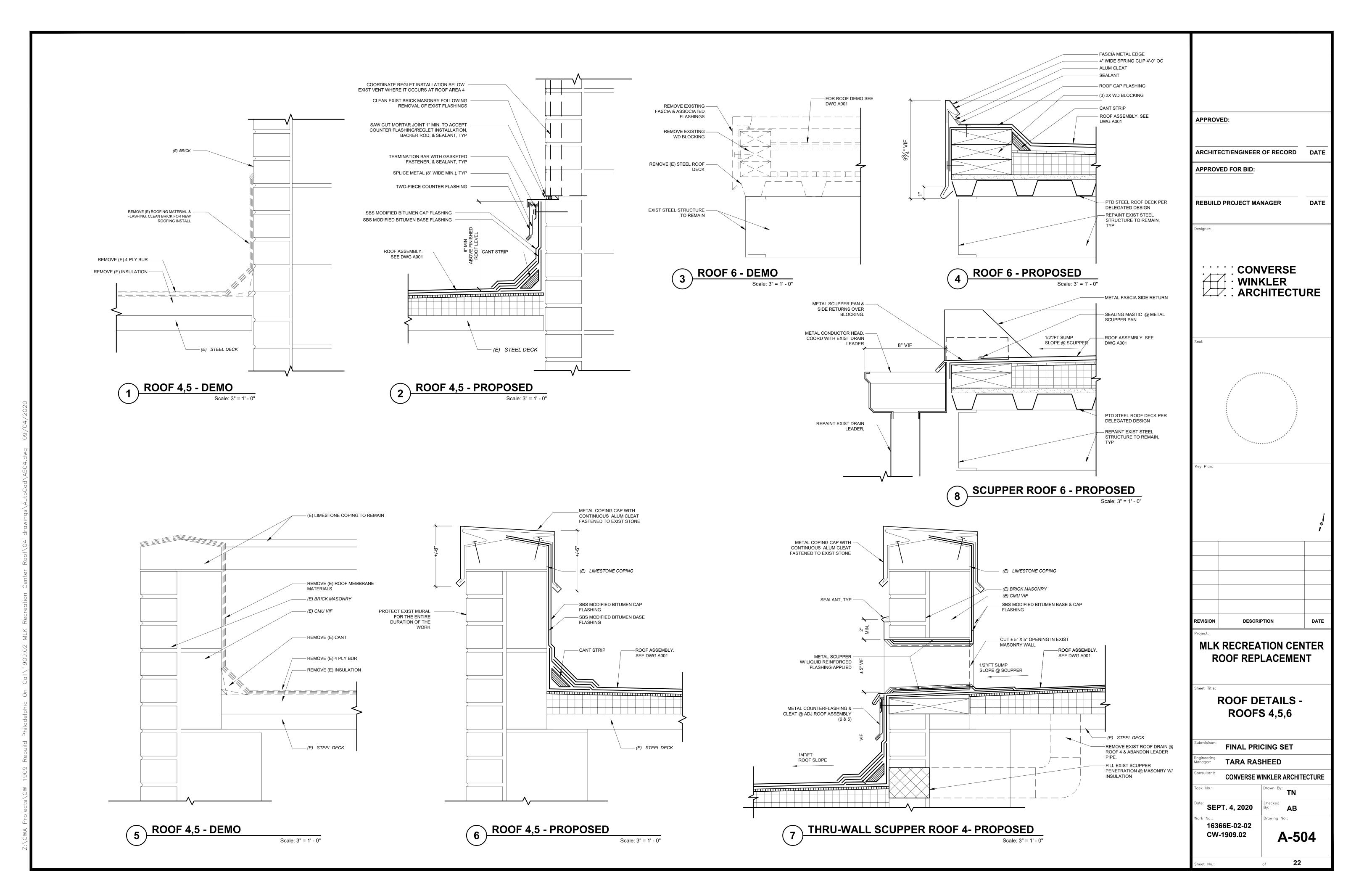
5 CURB EXTENSION @ REMOVABLE UNIT

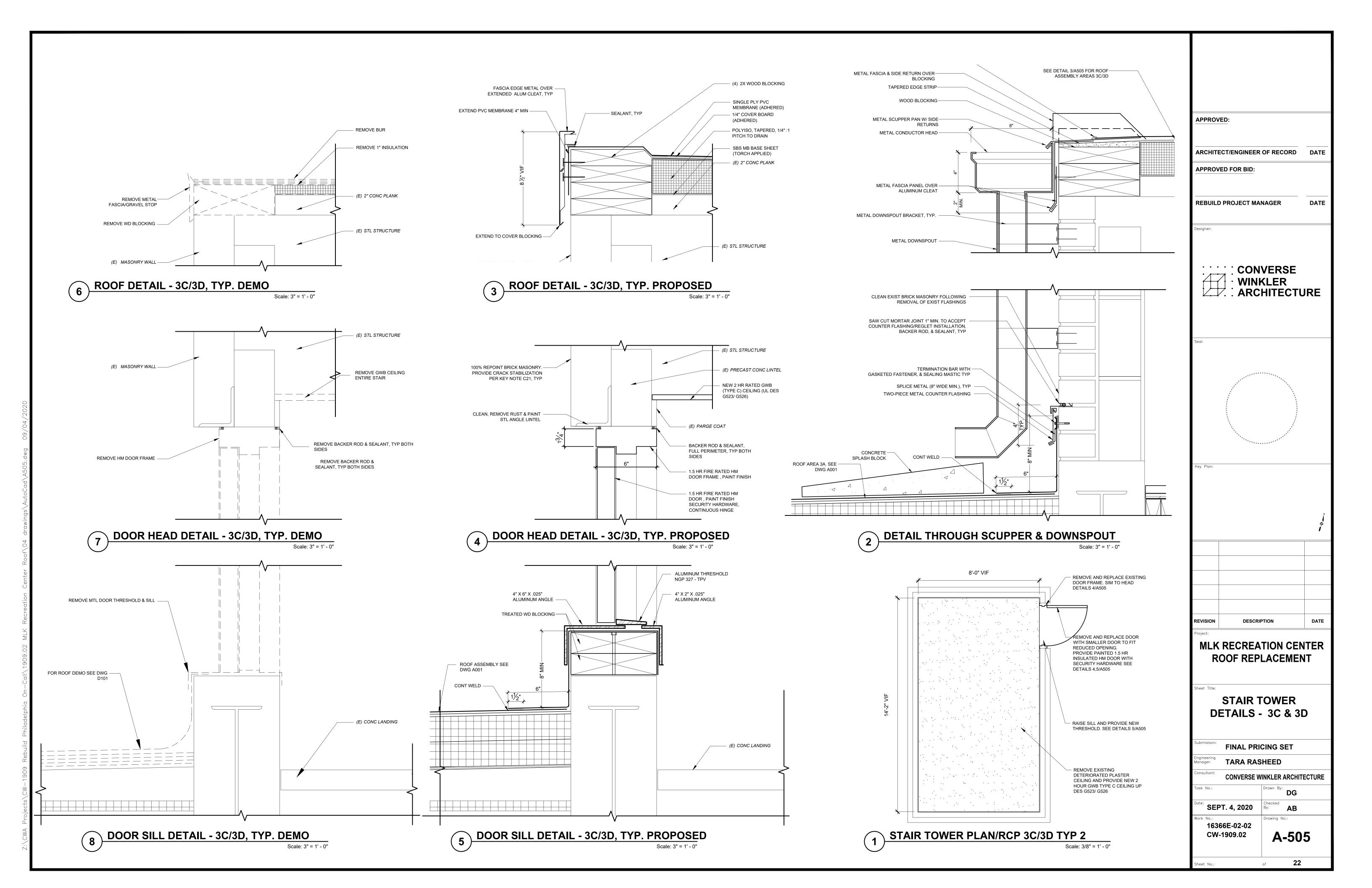
APPROVED: ARCHITECT/ENGINEER OF RECORD DATE APPROVED FOR BID: DATE REBUILD PROJECT MANAGER CONVERSE ARCHITECTURE DESCRIPTION REVISION MLK RECREATION CENTER ROOF REPLACEMENT **TYPICAL DETAILS FINAL PRICING SET** TARA RASHEED CONVERSE WINKLER ARCHITECTURE TN SEPT. 4, 2020 AB 16366E-02-02 A-500.2 CW-1909.02 22

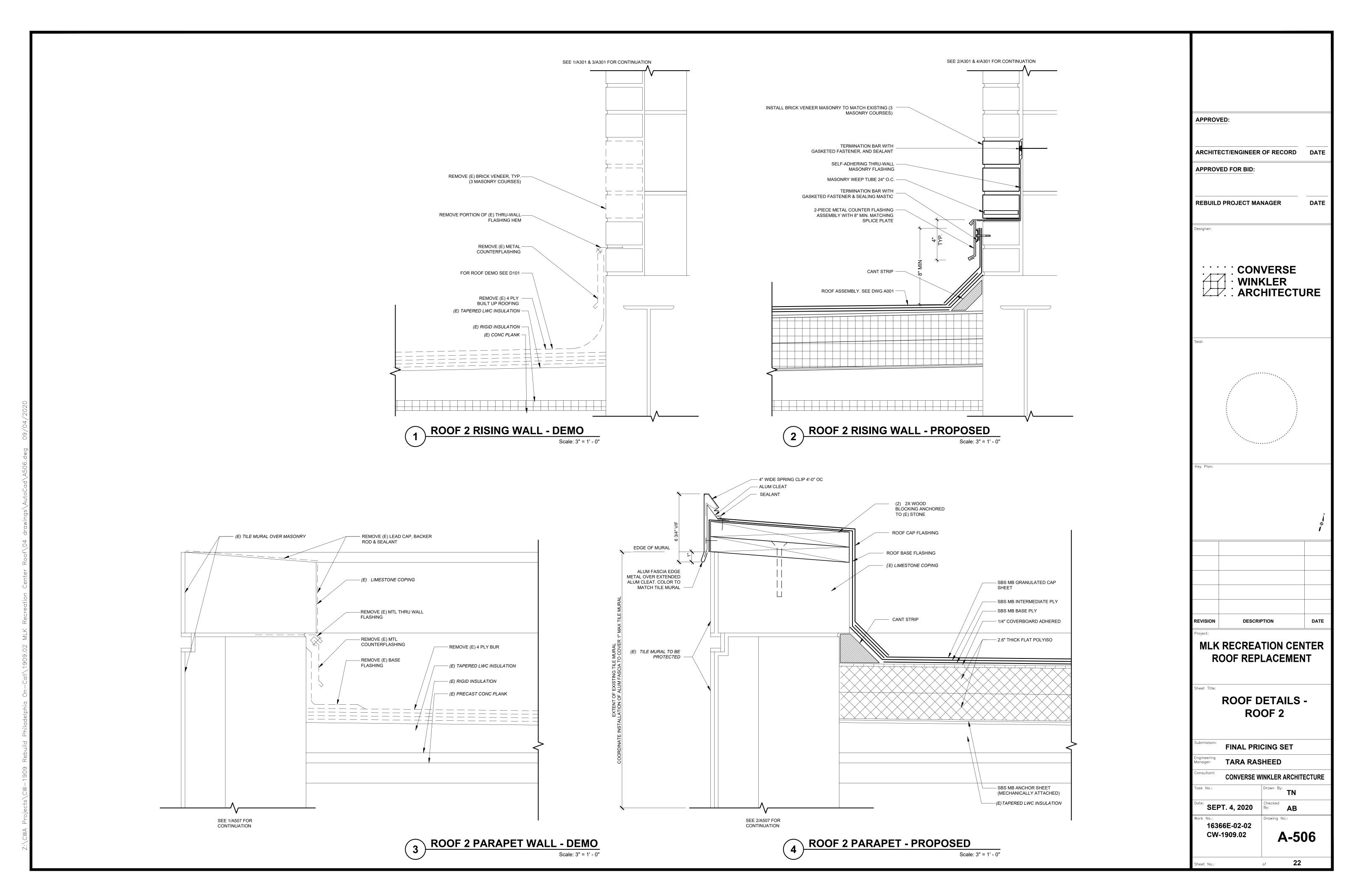


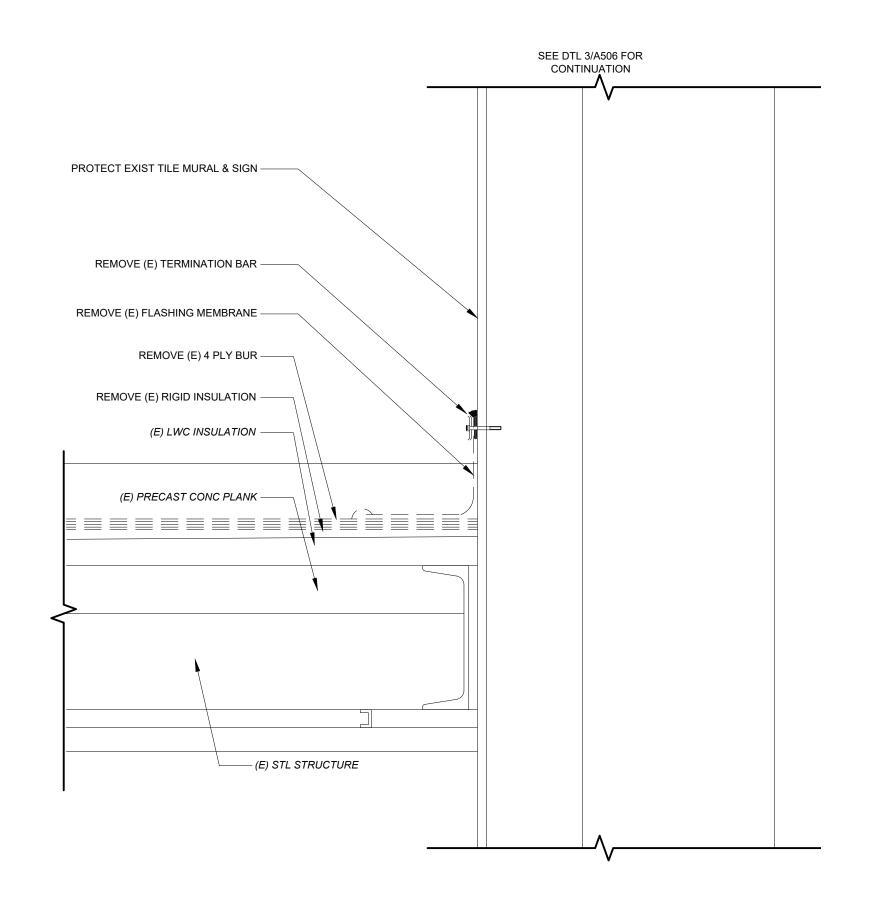










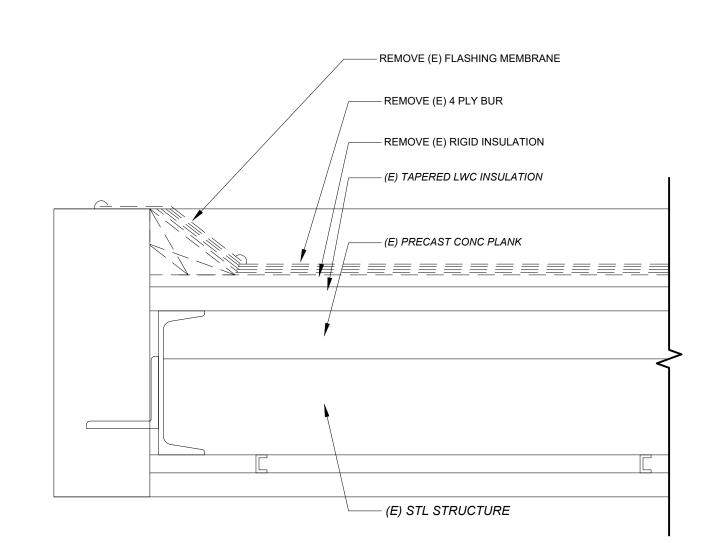


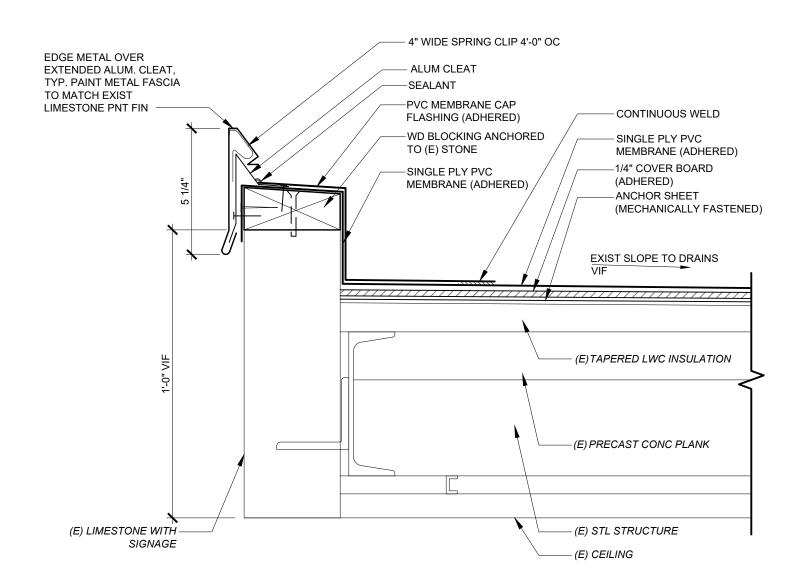
SEE DTL 4/A506 FOR CONTINUATION PROTECT EXIST TILE MURAL & SIGN — SEALANT -SEALING MASTIC -TERMINATION BAR — — ALIGN TOP OF COUNTERFLASHING WITH METAL COUNTERFLASHING -CANOPY ROOF METAL EDGE BEYOND COLOR GRAY TO MATCH MURAL PVC FLASHING MEMBRANE -CONTINUOUS WELD -(ADHERED) 1/4" COVER BOARD (ADHERED) -ANCHOR SHEET (MECHANICALLY FASTENED) (E) TAPERED LWC INSULATION — (E) PRECAST CONC PLANK —— (E) STL STRUCTURE ——

1 ROOF 8,9 RISING WALL - DEMO

ROOF 8,9 RISING WALL - PROPOSED

Scale: 3" = 1' - 0"





ROOF 8,9 COPING - DEMO
Scale: 3'

ROOF 8,9 COPING - PROPOSED

Scale: 3" = 1' - 0"

APPROVED: ARCHITECT/ENGINEER OF RECORD DATE APPROVED FOR BID: REBUILD PROJECT MANAGER DATE REVISION DESCRIPTION MLK RECREATION CENTER ROOF REPLACEMENT **ROOF DETAILS -ROOFS 8, 9 FINAL PRICING SET** TARA RASHEED CONVERSE WINKLER ARCHITECTURE DG SEPT. 4, 2020 AB 16366E-02-02 A-507 CW-1909.02