RESTORATION OF THE NORTH CAROLINA STATE CAPITOL BUILIDNG

1 EAST EDENTON STREET RALEIGH, NORTH CARLINA 27601

FOR

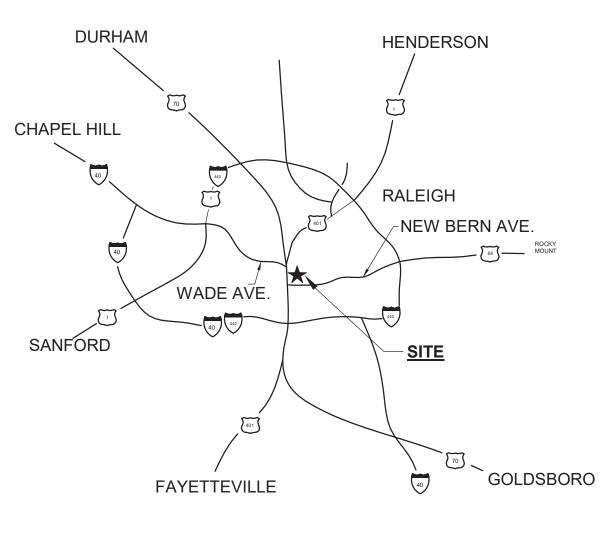
STATE OF NORTH CAROLINA LEGISLATIVE SERVICES COMMISSION

16 WEST JONES STREET RALEIGH, NORTH CAROLINA 27601

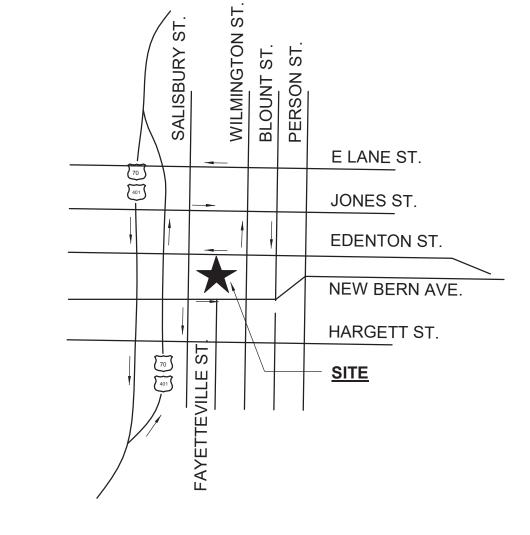
CONSTRUCTION DOCUMENTS

APRIL 14, 2023

SCO#: 23-26138-01A



VICINITY MAP



LOCATION MAP

PROJECT TEAM:



CONSTRUCTION MANAGER

MUTER CONSTRUCTION 111 EAST VANCE STREET ZEBULON, NORTH CAROLINA 25797 919.404.8330



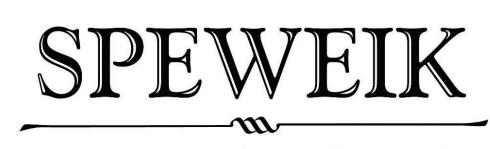
ARCHITECTURAL & STRUCTURAL

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MECHANICAL & ELECTRICAL

DEWBERRY 2610 WYCLIFF ROAD, SUITE 410 RALEIGH, NORTH CAROLINA 27607 919.881.9939



Preservation Consultants, Inc.

HISTORIC MASONRY CONSULTANT

SPEWEIK PRESERVATION CONSULTANTS, INC. 3163 HERITAGE PARKWAY ELGIN, ILLINOIS 60124 224.856.7449

RAYMOND

316 WEST MILLBROOK ROAD, SUIT
RALEIGH, NORTH CAROLINA 276
919.872.7866
COA# C4282, LICENSE 53143

MUTER CONSTRUCTION

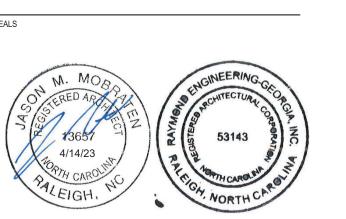
111 EAST VANCE STREET
ZEBULON, NORTH CAROLINA 25797
919 404 8330

Dewberry

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ELGIN, ILLINOIS 60124



ROLINA

RESTORATION OF THE NORTH CAROLIN
STATE CAPITOL BUILDING

SHEET ISSUE:

CONSTRUCTION DOCUMENTS

SCO#: 23-26138-01A

APRIL 14, 2023

DESIGNED BY: SENIOR REVIEW: DRAWN BY:

COVER SHEET

EET NO.

G-000

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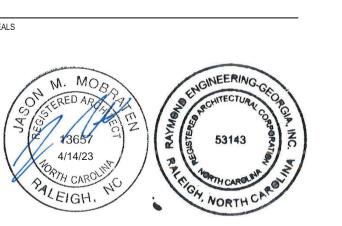
| | SHEET INDEX | | | | |
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RESTORATION OF THE NORTH CAROLINA STATE CAPITOL BUILDING

SHEET ISSUE:

NO. DATE DESCRIPTION

CONSTRUCTION DOCUMENTS APRIL 14, 2023

SCO#: 23-26138-01A

DESIGNED BY: SENIOR REVIEW: DRAWN BY:

SHEET TITLE:
SHEET INDEX

PROJ. NO. RAL1188.001

G-001

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Name of Project: Restoration of the North Carolina State Capitol Building Address: 1 East Edenton Street, Raleigh, North Carolina Zip Code: <u>27601</u> Owner/Authorized Agent: Paul Coble, Legislative Services Office Phone #: (919) 733 – 7044 E-Mail: Paul.Coble@ncleg.gov

Owned By: State Code Enforcement Jurisdiction: State

DESIGNER TELEPHONE # E-MAIL (919) 607-3773 jason.mobraten@raymondllc.com Architectural Electrical / Fire Alarm (919) 881-9939 <u>twinokur@dewberry.com</u> (919) 881-9939 jteeter@dewberry.com Mechanical Raymond Engineering David Willers (919) 607-3773 david.willers@raymondllc.com Structural

2018 NC BUILDING CODE: Renovation

2018 NC EXISTING BUILDING CODE: Historic Property

CONSTRUCTED: (date) 1840 **RENOVATED:** (date) 2000 – Mechanical Renovation (date) 1967 – Roof Replacement

CURRENT OCCUPANCY(S) (Ch. 3): Assembly Group A PROPOSED OCCUPANCY(S) (Ch. 3): Unchanged

RISK CATEGORY (Table 1604.5): Current: III

Proposed: N/A

BASIC BUILDING DATA Construction Type: \underline{IV} Sprinklers: <u>Partial</u> <u>N/A</u>

Standpipes: N/A Primary Fire District: Yes

Mixed Occupancy: No

Flood Hazard Area: No **Special Inspections Required:** No

| | | Gross Building Area T | Cable |
|-----------------------|------------------|-----------------------|-----------|
| FLOOR | EXISTING (SQ FT) | New (sqft) | SUB-TOTAL |
| Attic | 12,800 | Unchanged | |
| 3 rd Floor | 7,810 | Unchanged | |
| 2 nd Floor | 12,800 | Unchanged | |
| 1 st Floor | 12,800 | Unchanged | |
| Basement | | - | |

ALLOWABLE AREA

Primary Occupancy Classification(s): Assembly - A-3 Accessory Occupancy Classification(s): Business - B Incidental Uses (Table 509): NA Special Uses (Chapter 4 – List Code Sections): NA Special Provisions: (Chapter 5 – List Code Sections): NA

| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER | (B) TABLE 506.2 ⁴ | I STATE OF THE PARTY OF THE PAR | (C) R FRONTAGE | (D) allowable area Pe |
|--------------|------------------------|----------------------|---------------------------------|--|----------------------|--------------------------|
| | | STORY (ACTUAL) | AREA | INCI | REASE ^{1,5} | STORY OR UNLIMITED |
| | | TEX | ZICTINI | $\overline{}$ | | |
| | | E_2 | KISTIN (| J | | |
| | | UNC | CHANG | ED | | |
| | | UNC | JANU | ED | | |

a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____(F)

b. Total Building Perimeter = _____(P)
c. Ratio (F/P) = ____(F/P)
d. W = Minimum width of public way = _____(W)

e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ _____ (%) ² Unlimited area applicable under conditions of Section 507. ³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).

⁴ The maximum area of open parking garages must comply with Table 406.5.4. ⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

EXISTING UNCHANGED

EXISTING

UNCHANGED

| | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE ¹ |
|--|-----------|----------------|-----------------------------|
| lding Height in Feet (Table 504.3) ² | | | |
| lding Height in Stories (Table 504.4) ³ | | | |

¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. ² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

EXISTING UNCHANGEI

| BUILDING ELEMENT | FIRE | | RATING | DETAIL# | DESIGN# | SHEET # FOR | SHEET# |
|---|----------------------------------|-------|---------------------------|---------------|--------------------------|----------------------|------------------------|
| | SEPARATION DISTANCE (FEET) | REQ'D | PROVIDED (W/ * REDUCTION) | AND SHEET# | FOR RATED ASSEMBLY | RATED PENETRATION | FOR RATED JOINTS |
| Structural Frame, including columns, girders, trusses | | | | | | | |
| Bearing Walls | | | | | | | |
| Exterior | | | | | | | |
| North | | | | | | | |
| East | | | | d. | | | |
| West | | | | | | | |
| South | | | | | | | |
| Interior | | | | | | | |
| Nonbearing Walls and Partitions Exterior walls | | | | | | | |
| North | | | | | | | |
| East | | | | | | | |
| West | | | | | | | |
| South | ; ;- | | | | | | |
| Interior walls and partitions | | | | | | | |
| Floor Construction Including supporting beams and joists | | | | | | | |
| Floor Ceiling Assembly | | | | | | | |
| Columns Supporting Floors | | | | | | | |
| Roof Construction, including supporting beams and joists | | | | | | | |
| Roof Ceiling Assembly | | | | 4 | | | |
| Columns Supporting Roof | | | | | | | |
| Shaft Enclosures - Exit | | | | ÿ. | | | |
| Shaft Enclosures - Other | | | | | | | |
| Corridor Separation Occupancy/Fire Barrier Separat | ion | | | | | | |
| Party/Fire Wall Separation | 7.537 | | | à | | | |
| Smoke Barrier Separation | | | | - | | | |
| Smoke Partition | | | | | | | |
| Tenant/Dwelling Unit/ Sleeping Unit Separation | | | | | | | |
| Incidental Use Separation | | | | | | | |

PERCENTAGE OF WALL OPENING CALCULATIONS

EXISTING UNCHANGED

RAYMOND

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COA# C4282, LICENSE 53143

CONSTRUCTION

111 EAST VANCE STREET

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Dewberry

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Preservation Consultants, Inc.

3163 HERITAGE PARKWAY

224.856.7449

ELGIN, ILLINOIS 60124

| Fire Separation Distance (Feet) from Property lines | Degree of openings Protection (Table 705.8) | Allowable area (%) | ACTUAL SHOWN ON PLANS (%) |
|--|---|-----------------------|---------------------------|
| | | | |
| | | | |
| | | | |

LIFE SAFETY SYSTEM REQUIREMENTS

Select one Select one Select one Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Carbon Monoxide Detection:

EXISTING UNCHANGED

EXISTING

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: G-003

UNCHANGED Fire and/or smoke rated wall locations (Chapter 7) Assumed and real property line locations (if not on the site plan)

Exterior wall opening area with respect to distance to assumed property lines (705.8) Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) Occupant loads for each area

Exit sign locations (1013) Exit access travel distances (1017)

Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))

Dead end lengths (1020.4)

Clear exit widths for each exit door

Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)

Actual occupant load for each exit door A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy

Location of doors with panic hardware (1010.1.10)

Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)

Location of doors with electromagnetic egress locks (1010.1.9.9)

Location of doors equipped with hold-open devices

Location of emergency escape windows (1030) The square footage of each fire area (202)

☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

EXISTING UNCHANGED

| Unit Classification | Total Units | Accessible Units Required | Accessible Units Provided | Type A Units Required | TYPE A UNITS PROVIDED | Type B Units Required | TYPE B Units Provided | TOTAL ACCESSIBLE UNITS PROVIDED |
|------------------------|----------------|---------------------------------|---------------------------------|-----------------------------|-----------------------|-----------------------------|-----------------------------|---------------------------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | , | | | | |

ACCESSIBLE PARKING (SECTION 1106)

EXISTING UNCHANGED

| | | | 8 | | | |
|--------------------|---------------|--------------|-------------------|----------------|--------------------|--|
| OT OR PARKING AREA | TOTAL # OF PA | RKING SPACES | # of accessible s | PACES PROVIDED | TOTAL # ACCESSIBLE | |
| | REQUIRED | PROVIDED | 96" spaces | 132" SPACES | PROVIDED | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | P | |
| | | | | | | |
| TOTAL | | | | | | |

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

EXISTING UNCHANGED OLINA LEGISLATIVE

| | | | | | | | | | | | 2 |
|-------|---------|--------------|--------|---------|------------|------|---------|--------------------|-------|---------|------------|
| USE | | WATERCLOSETS | | URINALS | LAVATORIES | | SHOWERS | DRINKING FOUNTAINS | | | |
| W. C. | | MALE | FEMALE | UNISEX | | MALE | FEMALE | UNISEX | /TUBS | REGULAR | ACCESSIBLE |
| CE | EXIST'G | | | | | | | | | | |
| | NEW | | | | | | | Î | | 7 | |
| | REQ'D | | | | | | | | | | |

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: No

Exempt Building: Yes Provide code or statutory reference: 2018 North Carolina Energy Conservation Code:

No provisions of this code relating to the construction, repair, alteration, restoration and movement of structures, and change of

C501.6 Historic Buildings

occupancy shall be mandatory for historic buildings.

Chapter 2 Definitions HISTORIC BUILDING. Any building or structure that is one or more of the following:

Listed, or certified as eligible for listing by the State Historic Preservation Officer or the Keeper of the National Register of Historic Places, in the National Register of Historic Places.

Designated as historic under an applicable state or local law.

Certified as a contributing resource within a National Register-listed, state-designated or locally designated historic district.

North Carolina State Capitol Historic Building Chapter 2 Definition Compliance:

1. Listed on National Register of Historic Places, listed on February 26, 1970. #70000476. City of Raleigh designated Historic Properties and Landmark on May 1, 1990. Ordinance #555. 3. Contributing resource to the Capitol Area Historic District listed on the National Register on April 1, 1978.

STRUCTURAL DESIGN REFER TO STRUCTURAL DRAWINGS

MECHANICAL DESIGN

ELECTRICAL DESIGN

REFER TO MECHANICAL DRAWINGS

REFER TO ELECTRICAL DRAWINGS

APPENDIX B

SENIOR REVIEW: DRAWN BY:

CONSTRUCTION

DOCUMENTS

APRIL 14, 2023

SCO#:

23-26138-01A

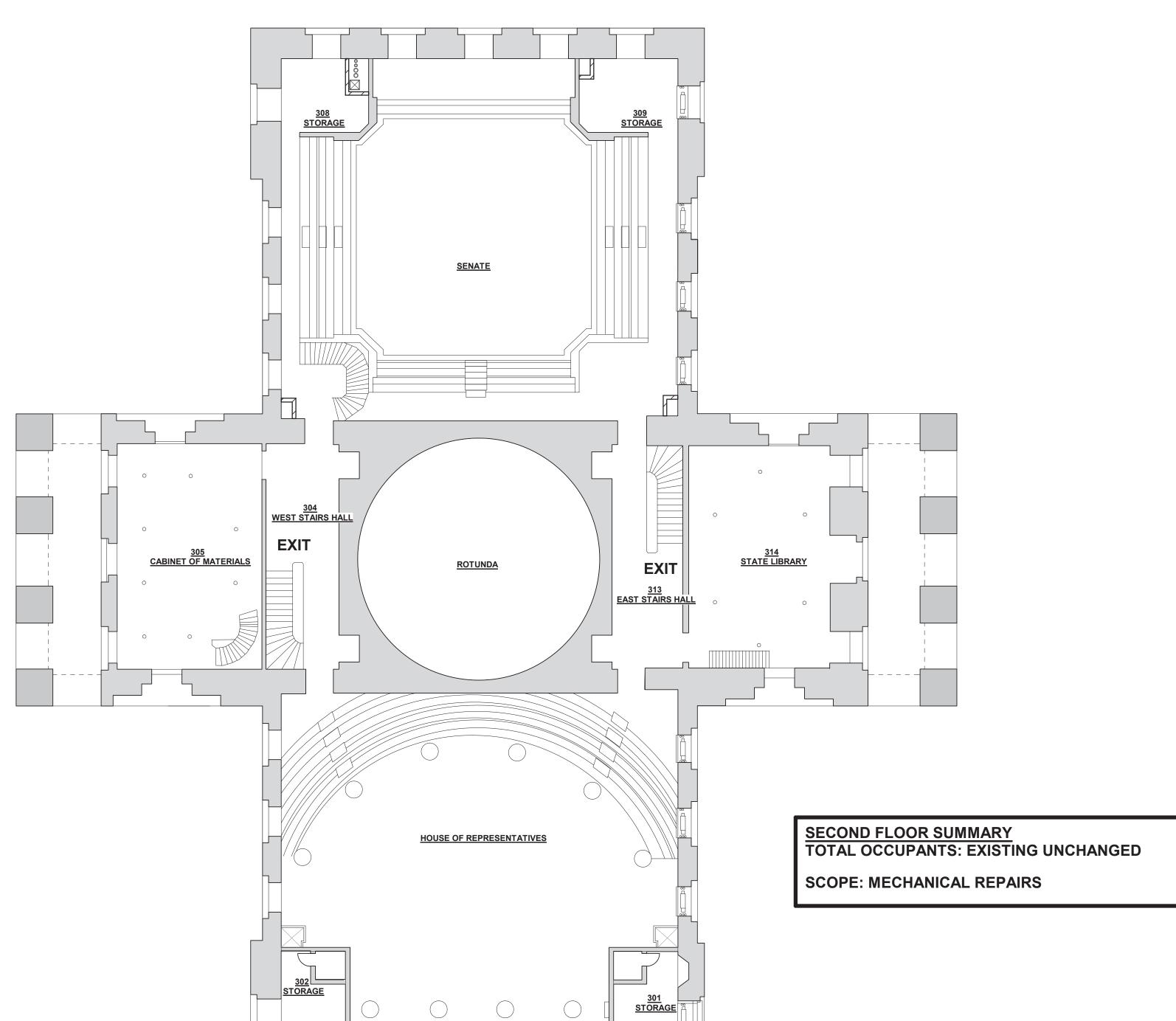
DESCRIPTION

PROJ. NO. RAL1188.001

4 ATTIC PLAN - LIFE SAFETY

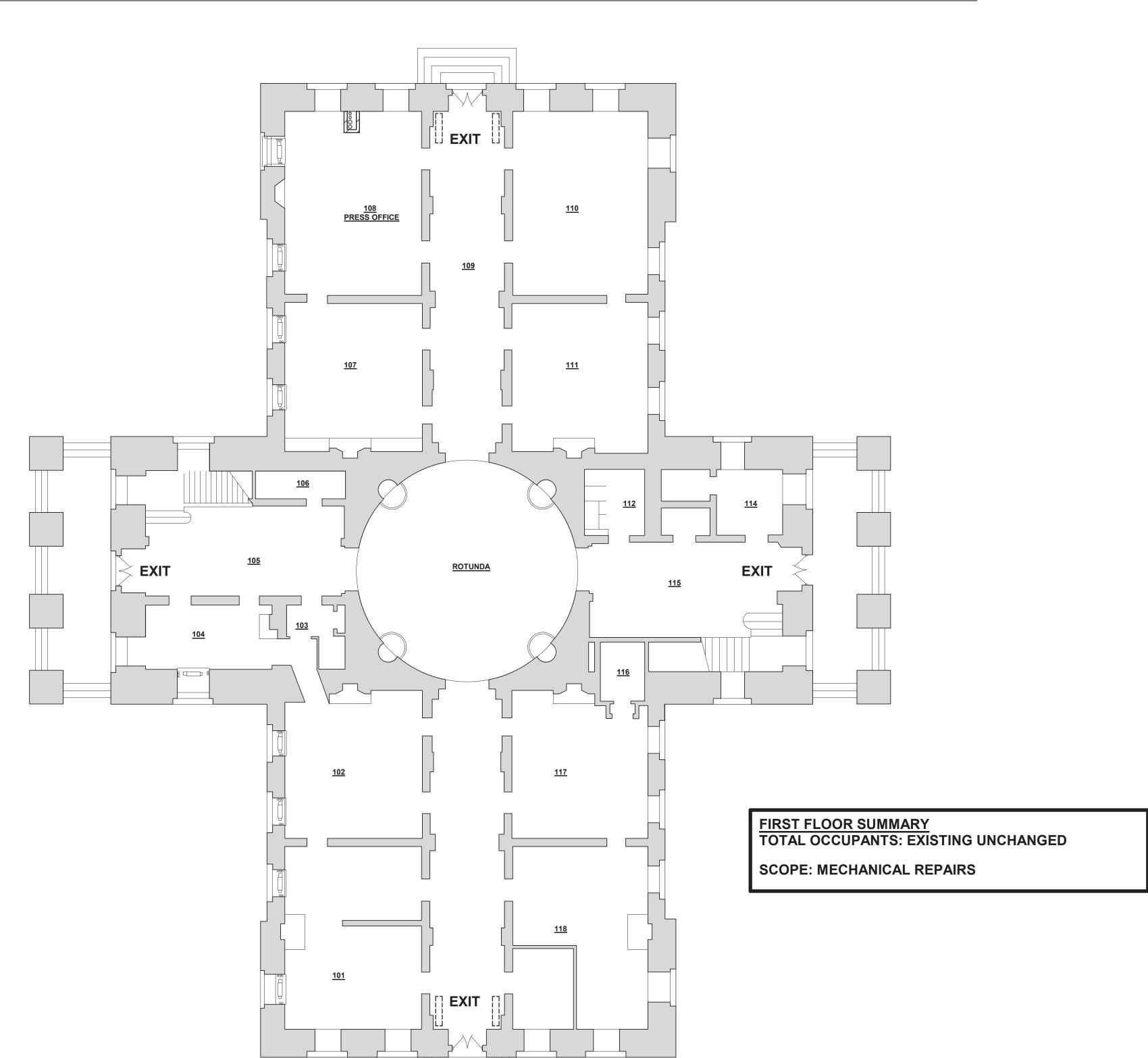
THIRD FLOOR PLAN - LIFE SAFETY

3
3/32" = 1'-0"



ROTUNDA SECOND FLOOR SUMMARY
TOTAL OCCUPANTS: EXISTING UNCHANGED SCOPE: MECHANICAL REPAIRS

SECOND FLOOR PLAN - LIFE SAFETY



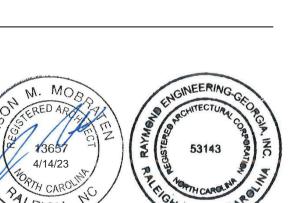
FIRST FLOOR PLAN - LIFE SAFETY

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DESCRIPTION

CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

SCO#: 23-26138-01A

DESIGNED BY: SENIOR REVIEW: DRAWN BY:

LIFE SAFETY PLANS

PROJ. NO.

G-003

| ۱.F. | ACCESS FLOORING | GA. | GAGE OR GAUGE | RAF | RAISED ACCESS FLOOR |
|-------------------|---|----------------------|--|---------------------|--|
| A.F.F. | ABOVE FINISHED FLOOR | GALV. | GALVANIZED | RECEP. | RECEPTIONIST |
| .CC. DR. .DAAG | ACCESS DOOR / PANEL AMERICAN WITH DISABILITIES ACCESSIBILITY GUIDELINES | G.B.F. G.L. | GYPSUM BOARD FURRING GIRT LINE | REF. REINF. | REFERENCE REINFORCEMENT |
| CCESS. | ACCESSORIES | G.P. | GLOSSY PAINT | REQ'D. | REQUIRED |
| DJ. | ADJUST/ ADJUSTABLE | GL. | GLASS | REV. | REVISIONS / REVISED |
| COUST. B. | ACOUSTICAL ANCHOR BOLT | GOVT. GYP. | GOVERNMENT GYPSUM | R.D. RH | ROOF DRAIN RIGHT HAND |
| CT | ACOUSTICAL CEILING TILE | GYP. BD. (GWB) | GYPSUM BOARD | RHR | RIGHT HAND REVERSE |
| CM | ASBESTOS CONTAINING MATERIAL | | HOOKO | RM. | ROOM |
| NOD. .C. | ANODIZED AIR CONDITIONING | HKS HR. | HOOKS HANDRAIL | R.O. RB | ROUGH OPENING RUBBER BASE |
| L / ALUM. | ALUMINUM | HDW. | HARDWARE | | |
| | AND | HGT. | HEIGHT | SC | SEALED CONCRETE |
| PP. | ANGLE APPROVED | H. H.P. | HIGH HIGH POINT | SCW SCHED. | SOLID CORE WOOD SCHEDULE |
| PPROX. | APPROXIMATE | H.M. | HOLLOW METAL | SECT. | SECTION |
| RCH. | ARCHITECTURAL AT | HORIZ. HB | HORIZONTAL HOSE BIBB | S.G.P. SSK | SEMI-GLOSS PAINT SERVICE SINK |
|) T / FP | ANTI TERRORISM / FORCE PROTECTION | пь H.V.A.C. | HEATING VENTILATION & AIR CONDITIONING | SHT. MET. | SHEET METAL |
| VG. | AVERAGE | | | SIM. | SIMILAR |
| .W.I. | ARCHITECTURAL WOODWORK INSTITUTE | IN. I.D. | INCH INSIDE DIAMETER | STC SPEC(S) | SOUND TRANSMISSION CLASS SPECIFICATION |
| .H.M.I. | BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION, INC. | INSUL. | INSULATION | SFRM | SPRAYED FIRE RESISTIVE MATERIAL |
| M. | BEAM | INT. | INTERIOR | SQ. | SQUARE |
| LKG. D. | BLOCKING BOARD | JAN. | JANITOR | ST. S.S. | STAIN STAINLESS STEEL |
| TM. | BOTTOM | J.C. | JANITOR JANITOR'S CLOSET | STD. | STANDARD |
| LDG. | BUILDING | JT. | JOINT | STL. | STEEL |
| .U.R. | BUILT-UP ROOFING | JST. | JOIST | STOR. STRUCT. | STORAGE STRUCTURAL |
| FCI | CONTRACTOR FURNISHED CONTRACTOR INSTALLED | K.P. | KICK PLATE | SUSP. | SUSPENDED |
| H. | CHANNEL | 1 0 8 4 | LANGINIATE | TOU / TI T | TOUET |
| PT. LG. | CARPET CEILING | LAM. LDG. | LAMINATE LANDING | TOIL. / TLT TEL. | TOILET TELEPHONE |
| LG. HT. | CEILING HEIGHT | LAV. | LAVATORY | THK. | THICK |
| TR. | CENTER | L.H. | LEFT HAND | T'HOLD | THRESHOLD |
| TO C. | CENTER LINE CENTER TO CENTER | LHR LT. | LEFT HAND REVERSE LIGHT | TG T/ | TEMPERED GLASS TOP OF |
| i.T. | CERAMIC TILE | LTG. | LIGHTING | TOB | TOP OF BEAM |
| CLR. C.O. | CLEAR CLEANOUT | LONG. LVR. | LONGITUDINAL LOUVER | TOC T/C | TOP OF CONCRETE TOP OF CURB |
| CLOS. | CLOSET | L.P. | LOW POINT | TOS | TOP OF CORB |
| O. | COMPANY | | | T/W | TOP OF WALL |
| OL. ONC. | COLUMN CONCRETE | MAS. M.O. | MASONRY MASONRY OPENING | TU TYP. | TOUCH-UP TYPICAL |
| ORR. | CORRIDOR | MGR. | MANAGER | III. | TIFICAL |
| OTR | CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE | MANUF. | MANUFACTURER | U.L. | UNDERWRITERS LABORATORIES |
| MU ONF. | CONCRETE MASONRY UNIT CONFERENCE | MATL. MAX. | MATERIAL MAXIMUM | UNFIN U.N.O. | UNFINISHED UNLESS NOTED OTHERWISE |
| ONST. | CONSTRUCTION | MECH. | MECHANICAL | 0.14.0. | ONLEGO NOTED OTHERWISE |
| ONT. | CONTINUOUS | MTL. | METAL | VERT. | VERTICAL |
| ONTR. .J. | CONTRACTOR CONTROL JOINT | M.W.P. MIN. | METAL WALL PANEL MINIMUM | VEST. VCT | VESTIBULE VINYL COMPOSITION TILE |
| .Y. | CUBIC YARD | MISC. | MISCELLANEOUS | VCB | VINYL COVE BASE |
| ET. | DETAIL | NIC | NOT IN CONTRACT | V.T.R. | VENT THRU ROOF |
| LI. IA. | DIAMETER | N.I.C. NO. (#) | NUMBER | W. | WIDTH |
| IM. | DIMENSION | NTS | NOT TO SCALE | W/ | WITH |
| ISP. R. | DISPENSER DOOR | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION | W.C. WCO | WATER CLOSET WALL CLEAN OUT |
| N. | DOWN | O.C. | ON CENTER | WD. | WOOD |
|).S. | DOWNSPOUT | OFCI | OWNER FURNISHED CONTRACTOR INSTALLED | WDW. | WINDOW |
| ESC. WG. | DESCRIPTION DRAWING | OFGI O.H. | OWNER FURNISHED GOVERNMENT INSTALLED OPPOSITE HAND | W.M.P. W/O | WIRE MESH PARTITION WITHOUT |
| VVO. | DIAWING | OPNG. | OPENING | W.R.G.B. | WATER RESISTANT GYPSUM BOARD |
| A. | EACH | O.W. | OPEN WEB | W.S. | WEATHERSTRIPPING |
| LEC. L. | ELECTRICAL OR ELECTRIC ELEVATION | OPP. O.D. | OPPOSITE OUTSIDE DIAMETER | W.R.O. | WINDOW ROUGH OPENING |
| .W.C. | ELECTRIC WATER COOLER | O.D. OSHA | OCCUPATIONAL SAFETY AND HEALTH ACT | YD. | YARD |
| .R.D. | EMERGENCY ROOF DRAIN | OVHD | OVERHEAD | | |
| .P. NGR. | EPOXY PAINT ENGINEER | PDU | POWER DISTRIBUTION UNIT | | |
| QUIP. | EQUIPMENT | PT | PAINT | | |
| Q. | EQUAL | PR. | PAIR | | |
| XIST. XP. | EXISTING EXPANSION / EXPOSED | PNL. PART. | PANEL PARTITION | | |
| .J. (EXP. JT.) | EXPANSION JOINT | PLAS. | PLASTER OR PLASTIC | | |
| XT. TD | EXTERIOR ESTIMATED TRAVEL DISTANCE | PL DI VWD | PLATE PLYWOOD | | |
| טו | ESTIMATED TRAVEL DISTANCE | PLYWD. LBS. OR # | PLYWOOD POUNDS | | |
| AC. | FACTORY | PSF | POUNDS / SQUARE FOOT | | |
| DC r | FIRE DEPARTMENT CONNECTION | PSI DM LE | POUNDS / SQUARE INCH | | |
| Г. Е. | FEET FIRE EXTINGUISHER | P.M.J.F. PRE-FAB. | PRE-MOLDED JOINT FILLER PREFABRICATED | | |
| .E.C. | FIRE EXTINGUISHER CABINET | | | | |
| H.C. | FIRE HOSE CABINET | Q.T. | QUARRY TILE | | |
| IN. .P. | FINISH FLAT PAINT | | | | |
| .F. | FINISHED FLOOR | | | | |
| • | | | | | |

SYMBOLS:

FLOOR DRAIN **FLUORESCENT** FACE OF GIRT FOOTING FOUNDATION FIELD VERIFY

DWG. NO. WHERE SECTION IS DRAWN WALL SECTION MARK DETAIL SECTION MARK NUMBER (TYP.) NUMBER (TYP.) **ELEVATION IS** EXTERIOR ELEVATION MARK INTERIOR ELEVATION MARK

PLAN SYMBOLS:

| LANS | | <u>o.</u> | PARTITION TY | PF | |
|-----------|----------|------------------------|---------------------------|----------------|---------------------------------------|
| ROOM NAME | 101 | Â | SUBSCRIPT TYPE (AS REQ | | |
| ROOM TAG | DOOR TAG | WINDOW & LOUVER TAG | PARTITION TYPE | KEYNOTE TAG | DEMOLITION KEYNOTE TAC (NAVFAC) |
| | | | | TRUE | TRUE |

CEILING TYPE CEILING HGT. CEILING TAG CEILING TAG EQUIPMENT REVISION NORTH ARROWS

(HEIGHT) (TYPE & HEIGHT) TAG TAG

VIEW TITLES:

DETAIL IDENTIFIER (MODULE LETTER AND NUMBER) ELEVATIONS, DETAILS & CALLOUTS FLOOR PLANS, ELEVATIONS OR DETAIL VIEWS TITLE

GENERAL NOTES:

1. THE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK. THE DRAWINGS ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

2. THE ENUMERATION OF PARTICULAR ITEMS OF WORK IN ONE PORTION OF THE CONTRACT DOCUMENTS SHALL NOT BE CONSTRUED TO EXCLUDE OTHER ITEMS NECESSARY OR IMPLIED THEREFROM.

3. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR INCOMPLETE CONDITION.

4. ALL WORK SHALL CONFORM TO APPLICABLE INDUSTRY AND MANUFACTURER'S PUBLISHED STANDARDS FOR QUALITY OF MATERIALS AND WORKMANSHIP, AS WELL AS, ALL REQUIREMENTS IN THESE DRAWINGS AND SPECIFICATIONS. ANY CONFLICTING

5. THE CONTRACTOR SHALL PROTECT ANY EXISTING, IN-PLACE, AND NEW WORK.

DESIGNER'S ATTENTION PRIOR TO PROCEEDING WITH THE WORK.

REQUIREMENTS OF THE SOURCES LISTED ABOVE SHALL BE BROUGHT TO THE

6. ALL WORK NOTED "N.I.C." IS NOT MEANT TO BE PART OF THE CONSTRUCTION SCOPE OF WORK AGREEMENT.

7. THE CONTRACTOR SHALL PAY FOR AND COORDINATE THE REMOVAL AND LEGAL DISPOSAL OF MATERIALS AND RUBBISH.

8. ONCE ON SITE, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SHALL VERIFY ALL NEW AND EXISTING CONDITIONS, SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DIFFERING CONDITIONS BEFORE COMMENCEMENT OF WORK.

9. DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN, LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DIFFERING CONDITIONS BEFORE COMMENCEMENT OF WORK.

10. PROVIDE EXPANSION AND CONTROL JOINTS IN ALL WORK AS PER PRODUCT MANUFACTURER'S STANDARDS.

11. ALL INTERIOR FINISH MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES AND REGULATORY AGENCIES.

12. ALL DISSIMILAR METALS SHALL BE ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.

13. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON INDIVIDUAL SHEETS SHALL BE APPLIED TO RELATED DRAWINGS AND DETAILS.

14. A FINISH INDICATION ON A WALL SHALL MEAN THE ENTIRE LENGTH AND HEIGHT OF WALL IS TO BE FINISHED OR FIRE-RATED AS INDICATED.

15. WHEN NON-DIMENSIONED PARTITIONS APPEAR IN CONJUNCTION WITH DOOR OPENINGS, THE DOOR WIDTH AND THE DOOR FRAME DETAILS DETERMINE THE LOCATION OF ADJACENT WALLS AND FRAMES.

16. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

17. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL FLOOR AND WALL SLEEVES INCLUDING CONDUITS WITH ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL AND ARCHITECTURAL DRAWINGS.

18. DO NOT CUT INTO, REMOVE OR ALTER ANY STRUCTURAL MEMBER OR PORTION OF THE FLOOR SYSTEM UNLESS IT IS SPECIFICALLY NOTED OR SHOWN ON THE STRUCTURAL DRAWINGS.

19. THE CONTRACTOR SHALL PLAN HIS/HER WORK TO PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES, AND EXECUTE THE WORK IN SUCH A MANNER TO AVOID ANY HAZARD TO PERSONS AND PROPERTY AS NECESSARY.







COA# C4282, LICENSE 53143



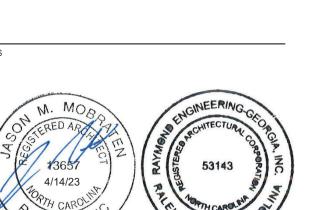
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DESCRIPTION

CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

SCO#: 23-26138-01A

DESIGNED BY: SENIOR REVIEW:

ARCHITECTURAL GENERAL NOTES

A-001

NOTE 1: ROOF REPLACEMENT DESIGN IS IN PROGRESS, ALL ASSEMBLIES LISTED BELOW ARE THE MOST TYPICAL ASSEMBLIES IN THE ROOF REPLACEMENT SCOPE, NOT ALL ASSEMBLY INFORMATION IS LISTED FOR SPECIFIC LOCATIONS AND REPAIR SCOPE AT THIS TIME. SEE ROOF DETAILS AND STRUCTURAL DRAWINGS FOR MORE INFORMATION

TYP. GUTTER SEPARATION AND EXPANSION JOINT -

NOTE 2: ASSEMBLY LAYERS LISTED BELOW ARE FROM THE FINISH MATERIAL TO DECK.

NOTE 3:SEE STRUCTURAL DRAWINGS FOR COMPENTENT CLADDING, WIND UP-LIFT DESIGN AND MORE INFORMATION.

ALL ROOFS (UNLESS OTHERWIDE NOTED PENETRATIONS AT FIELD CONDITIONS:

ROOF TYPE 1 - EAST AND WEST:

RENOVATION ROOF PLAN

• LAYER 1: COPPER FLASHING. DOUBLE-LOCK FLAT SEAM WITH BUTYL WITHIN THE SEAM AT ALL CONNECTIONS. LAYER 2: RED ROSIN PAPER

• LAYER 3: HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT IS TO BE CONTINUOUSLY, ALL ROOFS. LAYER 4: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS).

• LAYER 5: EXISTING TONGUE AN GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

FIELD CONDITION: • LAYER 1: COPPER DOUBLE-LOCK STANDING SEAM WITH TRANSVERSE SEAM. BUTYL TO BE INSTALLED IN STANDING SEAMS AND PAN LOCK TERMINATIONS. STANDING SEAM SPACED A MAXIMUM OF 20" O.C. SEE ROOF PLAN FOR TRANSVERSE SEAM SPACING. EXPANSION JOINTS ARE TO BE INSTALLED EVER7 15'-0" IN THE HORIZONTAL AND VERTICAL

LAYER 2: RED ROSIN PAPER OVER CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYENT.

• LAYER 3: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS). LAYER 4: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

VALLEYS: • LAYER 1: COPPER VALLEY FLASHING.

• LAYER 2: RED ROSIN PAPER. • LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT

• LAYER 4: EXISTING TO REMAIN OR NEW 1/2" - 3/4" PLYWOOD DECK REPLACEMENT(SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS).

LAYER 5: EXISTING TONGUE AN GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6"). **TERMINATIONS:**

• LAYER 1: REGLET COPPER BASE FLASHING, 6-12" VERTICAL BASE WITH 6-8" TYPICAL CONCEALED APRON FLASHING WITH CONTINUOUS STAINLESS STEEL CLEAT, COUNTER FLASHING VARIES FROM 4-8" OVERLAPS OF BASE FLASHING. ALL REGLETS ARE TO BE INSTALLED IN EXISITNG MASONRY MORTAR JOINTS BETWEEN MASONRY UNITS AND ABOVE ANY PREVIOUSLY INSTALLED REGLET JOINTS CUT INTO THE FACE OF THE MASONRY. CUT, PATCH AND REPAIR MASONRY AS REQUIRED AT ALL PREVIOUS AND RELOCATED REGLET INSTALLATION LOCATIONS. SEE MASONRY REPAIR DETAILS AND SPECIFICATIONS.

• LAYER 2: RED ROSIN PAPER • LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT

• LAYER 4: EXISTING TO REMAIN OR NEW 1/2" - 3/4" PLYWOOD DECK. REPLACEMENT(SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR

 LAYER 5: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6"). **INTERNAL GUTTER:**

• LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL GUTTER WITH BUTYL. SEE PLAN AND SECTIONS FOR SPACING AND DIMENSIONS. SLOPE TO MATCH EXISTING AND BE CONTINUOUSLY POSITIVE TO DRAIN.

 LAYER 2: RED ROSIN PAPER. LAYER 3: LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM WTH TRAFFIC COATING.

 LAYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS. • LAYER 5: EXISTING MASONRY WITH MORTAR JOINT REPAIRS, PREPPED, PRIMED AND DETAILED AT JOINTS AND MATERIAL TRANSITIONS AS REQUIRED BY WATERPROOFING MANUFACTURER.

• RESTORE EXISTING VENTING COPPER SKYLIGHT. SKYLIGHT TO BE RESTORED WTIH NEW GLAZING TO MATCH EXISTING THICKNESS AND NEW COPPER SILL FLASHINGS. NEW COPPER VENT TO BE INSTALLED TO MATCH EXISTING. • INTERIOR REPAIRS AND PAINTING AS REQUIRED

OVAL SKYLIGHT:

ASSEMBLY AT SKYLIGHT CURB: • LAYER 1: COPPER DOUBLE- LOCK FLAT SEAM WITH BUTYL WITHIN THE SEAM AT ALL CONNECTIONS.

• LAYER 2: RED ROSIN PAPER. LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

LAYER 4: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS)

ROOF TYPE 2A (FLAT ROOF)- NORTH AND SOUTH: FIELD CONDITION:

• LAYER 1: COPPER DOUBLE-LOCK FLAT SEAM ROOF WITH INTEGRAL HORIZONTAL CRUSHED HEM REVEALS (NO JOINT). SEAM SPACING IS A MAXIMUM OF 20" O.C. STAINLESS STELL CLETAS AS DETAILED. VENTED/WEEP TERMINATIONS.

ROOF PLAN LEGEND

LAYER 2: RED ROSIN PAPER.

LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT. AYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS.

LAYER 5: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION • LAYER 6: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

TERMINATIONS: • LAYER 1: COPPER FLASHING. DOUBLE-LOCK FLAT SEAM WITH BUTYL WITHIN THE SEAM AT ALL CONNECTIONS.

• LAYER 2: RED ROSIN PAPER • LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

BRIDGING SUBSTRATE SURFACES:

• LAYER 4: RED ROSIN PAPER LAYER 5: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT

• LAYER 7: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6"). PENETRATIONS:

• LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL BOX GUTTER. SEE PLAN AND SECTIONS FOR SPACING AND DIMENSIONS. • LAYER 2: RED ROSIN PAPER LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

• LAYER 4: EXISTING WOOD SUBSTRATE AND MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED.

ROOF TYPE 2B NORTH AND (STEEP SLOPE): FIELD CONDITION:

• LAYER 1: DOUBLE-LOCK STANDING SEAM WITH TRANSERVSE SEAM METAL ROOF WITH BUTYL WITHIN THE SEAM AT ALL CONNECTIONS. SEE PLAN FOR SEAM SPACING. • LAYER 2: RED ROSIN PAPER OVER CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

• LAYER 3: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS).

• LAYER 4: EXISTING OR NEW (REPLACED) TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6"). **TERMINATIONS:**

• LAYER 1: COPPER FLASHING. DOUBLE-LOCK FLAT SEAM WITH BUTYL WITHIN THE SEAM AT ALL CONNECTIONS.

 LAYER 2: RED ROSIN PAPER LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

INTERNAL GUTTER:

• LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL BOX GUTTER. SEE PLAN AND SECTIONS FOR SPACING AND DIMENSIONS. SLOPE TO MATCH EXISTING AND BE CONTINUOUSLY POSITIVE TO DRAIN. • LAYER 2: RED ROSIN PAPER FELT PAPER

• LAYER 3: LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM • LAYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS.

 LAYER 5: EXISTING MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED. INTERNAL DRAINS (IRD), SCUPPERS(SC) AND DOWNSPOUTS (DS)

• LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL GUTTER WITH BUTYL. SEE PLAN AND SECTIONS FOR SPACING AND DIMENSIONS. • LAYER 2: RED ROSIN PAPER .

• LAYER 3: LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM • LAYER 4: MANFUFACTURERED REQUIRED PREP AND SUBSTRATE DETAIL REQUIREMENTS.

• LAYER 5: EXISTING MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED. **BRIDGING SUBSTRATE SURFACES:**

• LAYER 4: RED ROSIN PAPER LAYER 5: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

• LAYER 6: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS).

• LAYER 7: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

RG-4 MECHANICAL EQUIPMENT AND ALL PENETRATIONS ARE NOT SHOWN AT THIS TIME.

RG-7 STANDING SEAMS ARE TO BE UNIFORMILY SPACED 20" MAXIMUM BETWEEN SEAMS.

SCOPE NOT INDICATED IN THE ROOF REPAIR AND REPLACEMENT DESIGN.

EXISTING/ORIGINAL T&G WOOD ROOF DECK AND FRAMING REPAIR NOTES

UNDERLAYMENT AND LAP DETAILS FOR MORE INFORMATION

RM-2 PRIME AND PREPARE METAL FLASHING PER MANUFACTURER REQUIREMENTS

WOOD DECK AND FRAMING REPLACEMENT NOTES:

MANUFACTURER REQUIREMENTS.

RG-8 CUT AND REPOINT ALL CONCEALED MASONRY JOINTS BELOW EXISTING ROOF SYSTEM

ROOF PLAN GENERAL NOTES:

FRAMING AND OTHER RELATED SCOPE.

FOR MORE INFORMATION.

RMR EXISTING MASONRY REPAIR NOTES:

ADJACENT SURFACES.

RM-1 SIKA ROOF PRO SYSTEM

AS REQUIRED MODIFY AND MAY BE NEEDED.

RG-1 THE PROGRESS ROOF PLAN IS IN DEVELOPMENT, REFER TO ROOF INVESTIGATION SCOPE OUTLINE FOR ENTIRE SCOPE OF WORK.

RG-2 SEE STRUCTURAL ENGINEERING AND MEMBRANE MANUFACTURER REQUIREMENTS FOR WIND UPLIFT AND COMPONENTS AND CLADDING PERFORMANCE DESIGN REQUIREMENTS, FASTENERS, NEW STRUCTURAL FRAMING SCOPE AND REQUIREMENTS, REPAIRS AND REPLACEMENTS TO EXISTING WOOD DECK AND

RG-3 EXISTING ROOF ELEMENTS TO REMAIN AND BE PROTECTED AND TIED INTO NEW WORK AS REQUIRED

RG-5 NEW HATCH OPENINGS AT ROOF TYPE 2A (FLAT ROOF) NORTH AND SOUTH ARE NOT SHOWN. ASSUME AT

RG-6 ALL COPPER ROOF CLADDING, FLASHING IS TO BE REPLACED IN ITS ENTIRETY UNLESS OTHERWISE NOTED.

RMR-1 CUT AND REPOINT EXISTING EXPOSED AND CONCEALED MASONRY JOINTS, DEPTH TO BE 2.5 TIMES THE

EW-1 PREVENT DAMAGE TO THE EXISTING ASSEMBLIES TO REMAIN, ALL PLYWOOD REQUIRED TO BE REMOVED

WD-1 FIT PLYWOOD AT ALL PENETRATIONS AND PROJECTIONS. PLYWOOD SHALL BE SECURED WITH JOINTS NO GREATER THAN 1/4". FILL ALL JOINTS AND GAPS WITH SEALANT PER MANUFACTURER REQUIREMENTS. MEMBRANE TO BE FULLY SUPPORTED, STRIP ALL PLYWOOD JOINTS WITH FLEECE REINFORCEMENT PER

EW-2 SEE STRUCTURAL DRAWINGS FOR DECK REPAIR AND REPLACEMENT DETAILS. SEE TYPICAL FOR

ROOF WATERPROOFING NOTES (LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM)

AND REPLACED TO FACILITATE WORK IS REQUIRED TO BE REMOVED BY THE ENTIRE INTACT SHEET INSTALLED AT THOSE LOCATIONS, <u>NOT</u> CUT. PLYWOOD TO BE REPLACED IN-KIND TO BE FLUSH WITH

LEAST A 12'-0" X 16'-0" REINFORCED OPENING. SEE STRUCTURAL DRAWING AND MECHANICAL DRAWINGS

COPPER STANDING SEAMS ARE SHOWN AS THEY ARE IN THEIR EXISTING CONDITIONS. ASSUME ALL NEW

WIDTH OF THE JOINT BUT NOT LESS THAN 5/8". SEE ARCHITECTURAL ELEVATIONS FOR MASONRY REPAIR

UNLESS OTHERWISE NOTED. RAISE EXISTING CURBS WITH 8" NEW BLOCKING, REPAIR EXISTING CONDITION

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RS ROOF SUBSTRATE REPAIR AND REPLACEMENT

RS-2 RED ROSIN PAPER IS TO BE INSTALLED AS A SHEET SEPARATION BELOW ALL COPPER SHEET METAL AND BETWEEN NEW AND EXISTING ASSEMBLIES WHICH INCLUDES: WOOD SUBSTRATES, MASONRY, HIGH TEMPERATURE SELF-ADHERED BITUMOUS UNDERLAYMENT AND OTHER WATERPROOFING MEMBRANES UNLESS OTHERWISE NOTED.

RS-3 HIGH TEMPERATURE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED AT ALL ROOF AREAS WITH EXCEPTION TO THE AREAS TO RECEIVE LIQUID APPLIED. RED ROSIN PAPER IS TO BE INSTALLED AS A SEPARATION SHEET BETWEEN SELF-ADHERED BITUMOUS UNDERLAYMENT AND COPPER

COPPER NOTES (SEE STRUCTURAL DRAWINGS FOR MORE REQUIREMENTS):

C-1 COPPER IS TO BE 20 oz

C-2 STANDING SEAMS ARE TO BE DOUBLE-LOCK 1" TALL WITH CONTINUOUS BUTYL SEALANT WITHIN THE SEAM.

SPACING IS TO BE 20" MON. BETWEEN STANDING SEAMS UNLESS OTHERWISE NOTED.

C-3 COPPER CLEATS ARE TO BE 2" WIDE AND INSTALLED AT A SPACING 12" MIN., UNLESS OTHERWISE NOTED. **C-4** EXPANSION JOINT SPACING:

ROOF PLAN LEGEND

EDGE OF HIGH-TEMPERATURE SELF-ADHERED UNDERLAYMENT EDGE OF LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM

VERTICAL: EVERY 15'-0" MIN. HORIZONTAL: EVERY 15'-0" MIN.

ROOF SLOPE (U.O.N.) TYPICAL 1/4"/12" GUTTER DOWNSLOPE DIRECTION ROOF DOWNSLOPE DIRECTION OF STRUCTURALLY SLOPED ROOF

EXISTING SCUPPER INTERNAL ROOF DRAIN

NEW COPPER ACCESS HATCH AT EXISTING OPENING, 12" CURB MECHANICAL VENT, 12" CURB **NEW FLAT ROOF ACCESS OPENING/** HATCH, 12" CURB

TRANSVERSE SEAM COPPER ROOF SYSYEM TRANSVERSE SEAM/ EXPANSION JOINT OR FOLD SEAM AS REQUIRED. DOUBLE-LOCK STANDING SEAM WITH BUTYL SEALANT COPPER FLASHING SEAM EDGE BELOW ROOF SYSTEM FALL PROTECTION ANCHOR, DELEGATED

DESIGN BY OTHERS EXISTING VENT TO BE CAPPED IF NOT IN USE BELOW NEW COPPER (VIF) FALL PROTECTION CATWALK SYSTEM, DELEGATED DESIGN BY OTHERS

EXISTING INTERNAL ROOF DRAIN TO DOWNSPOUT EXISTING DOWNSPOUT TO REMAIN (VIF WORKING CONDITION AND REPAIR AS REQUIRED)

SKYLIGHT SEE SHEETS A-504 AND A-501.2 EXISTING FLAG POLE, SEE STRCUTURAL SHEETS

COPPER 1" DOUBLE-LOCKK STANDING WITH

LAYER 1: COPPER FLAT SEAM DOUBLE-LOCK ROOF WITH BUTYL IN VERTICAL SEAMS. SEE PLAN FOR SEAM SPACING. LAYER 3: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR • LAYER 4: EXISTING OR NEW (REPLACED) TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

 LAYER 1:REGLET COPPER BASE FLASHING, 8" VERTICAL BASE WITH 8" TYPICAL CONCEALED APRON FLASHING WITH CONTINUOUS STAINLESS STEEL CLEAT LAYER 2: RED ROSIN PAPER FELT PAPER. LAYER 3: HIGH TEMPERATURE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED 24" BEYOND STANDING SEAM ROOF TERMINATIONS. ALL

ROOF PENETRATIONS AND CHANGES IN SLOPE AND ADJACENT CONSTRUCTION. RED ROSIN PAPER IS TO BE INSTALLED AS A SEPARATION SHEET BETWEEN SELF-ADHERED BITUMOUS UNDERLAYMENT AND COPPER FLASHING. **BRIDGING SUBSTRATE SURFACES:** • LAYER 1: RED ROSIN PAPER

 LAYER 2: HIGH TEMPERATURE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED 24" BEYOND STANDING SEAM ROOF TERMINATIONS, ALL ROOF PENETRATIONS AND CHANGES IN SLOPE AND ADJACENT CONSTRUCTION.

• LAYER 3: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS)

• LAYER 4: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

FIELD CONDITION, INTERNAL PARAPET WALL, ROOF AND GUTTER SYSTEM: LAYER 1: COPPER DOUBLE-LOCK FLAT SEAM AT COPING AND AS REQUIRED AT SKYLIGHT. • LAYER 2: RED ROSIN PAPER LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

ROOF TYPE 3 (DOME): FIELD CONDITION:

LAYER 2: RED ROSIN PAPER OVER #30LB FELT PAPER

 LAYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS. • LAYER 5: EXISTING MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED. **BRIDGING SUBSTRATE SURFACES:**

• LAYER 4: RED ROSIN PAPER LAYER 5: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

• LAYER 6: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR • LAYER 7: EXISTING TONGUE AND GROOVE DECK (1-3/4" -2.25" THICK, VARYING WIDTHS FROM 3" TO 6").

ROUND SKYLIGHT: RESTORE EXISTING VENTING COPPER SKYLIGHT. SKYLIGHT TO BE RESTORED WTIH NEW GLAZING TO MATCH EXISTING THICKNESS AND NEW COPPER SILL FLASHINGS. NEW COPPER VENT TO BE INSTALLED TO MATCH EXISTING. • INTERIOR REPAIRS AND PAINTING AS REQUIRED.

ASSEMBLY AT SKYLIGHT CURB:

• LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL BOX GUTTER. SEE PLAN AND SECTIONS FOR SPACING AND DIMENSIONS. • LAYER 2: RED ROSIN PAPER .

• LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

LAYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS.

• LAYER 5: EXISTING MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED. • LAYER 6: NEW OR EXISTING 1/2" - 3/4" PLYWOOD DECK (SEE STRUCTURAL PLANS AND ROOF REPLACEMENT INVESTIGATION SCOPE REPORT FOR LOCATIONS).

INTERNAL ROOF DRAINS (IRD), SCUPPERS(SC) AND DOWNSPOUTS (DS) • LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL BOX GUTTER. SEE PLAN AND SECTIONS FOR SPACING AND DIMENSIONS.

LAYER 5: EXISTING MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED.

• LAYER 2: RED ROSIN PAPER . LAYER 3: CONTINUOUSLY INSTALLED HIGH TEMPERATURE SELF-ADHERED UNDERLAYMENT.

LAYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS.

LAYER 4: MANFUFACTURER'S PREP AND SUBSTRATE DETAIL REQUIREMENTS.

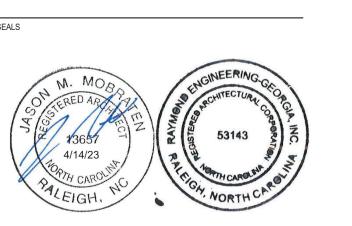
• LAYER 3: LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM

 LAYER 5: EXISTING WOOD SUBSTRATE AND MASONRY WITH MORTAR JOINT REPAIRS PREPPED AND PRIMED AS REQUIRED. **CAST IRON CROWN ON PARAPET:**

• CROWN TO REMAIN IN-PLACE, CONTRACTOR SHALL CAREFULLY REMOVE EXISTING WATERPROOFING TO EXPOSE CROWN ATTACHMENT. NOTIFY DESIGNER WHEN EXPOSED AND READY FOR EXAMINATION. • LAYER 1: COPPER DOUBLE LOCK FLAT SEAM INTERNAL COPING CAP. • LAYER 2: RED ROSIN PAPER .

RALEIGH, NORTH CAROLINA 27609 COA# C4282, LICENSE 53143

919.404.8330



DESCRIPTION

CONSTRUCTION DOCUMENTS

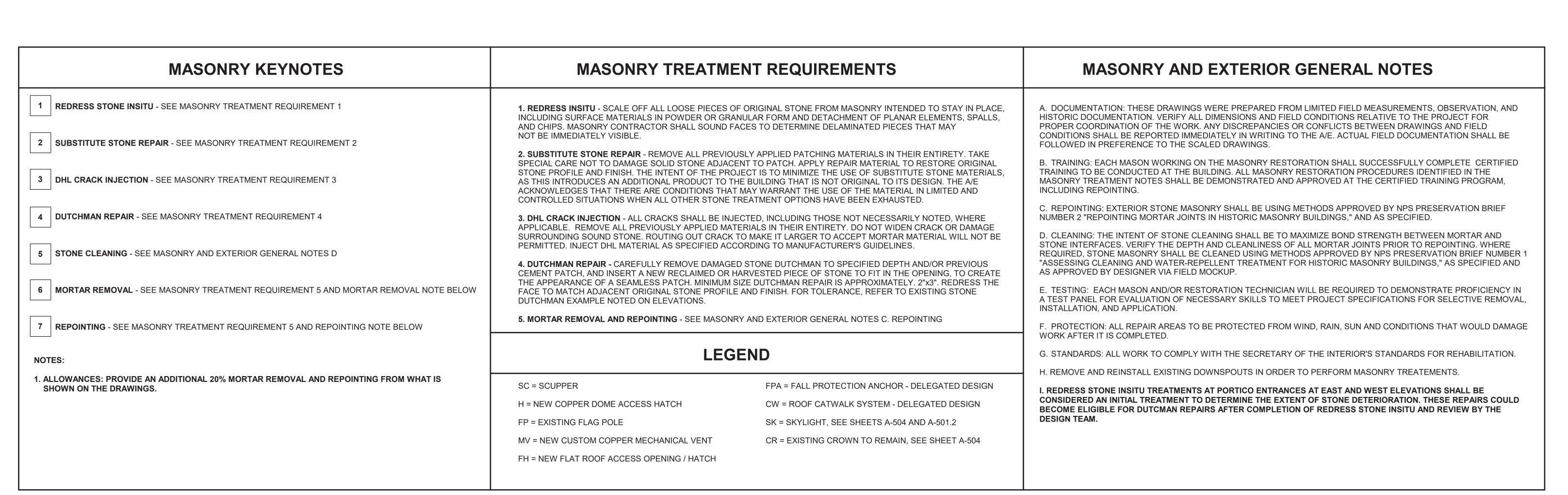
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APRIL 14, 2023

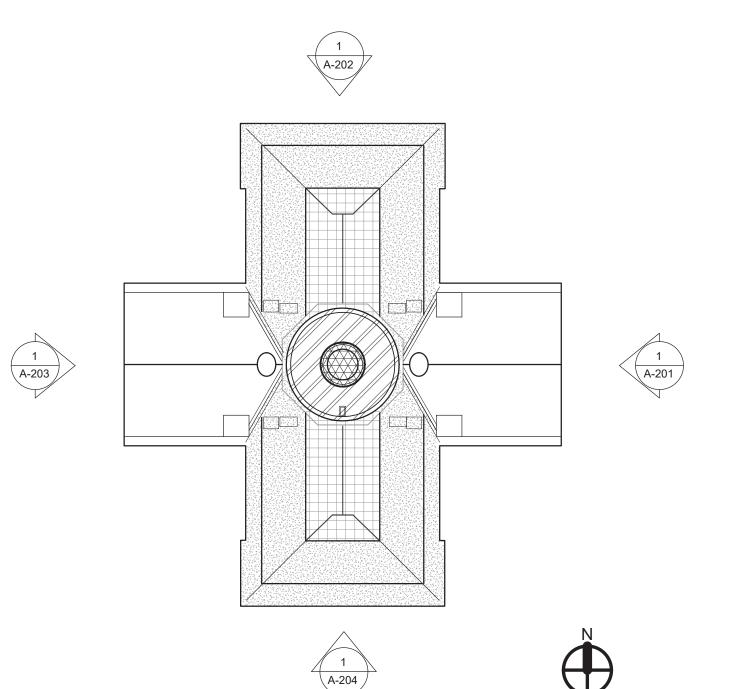
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PROJ. NO.

SHEET NO. RAL1188.001



EAST ELEVATION - MASONRY TREATMENTS



316 WEST MILLBROOK ROAD, SUITE 201 RALEIGH, NORTH CAROLINA 27609 919.872.7866 COA# C4282, LICENSE 53143

MUTER CONSTRUCTION 111 EAST VANCE STREET ZEBULON, NORTH CAROLINA 25797 919.404.8330

Dewberry 2610 WYCLIFF ROAD, SUITE 410 RALEIGH, NORTH CAROLINA 27607 919.881.9939

> Preservation Consultants, Inc 3163 HERITAGE PARKWAY ELGIN, ILLINOIS 60124 224.856.7449



DESCRIPTION

CONSTRUCTION **DOCUMENTS**

SCO#: 23-26138-01A

APRIL 14, 2023

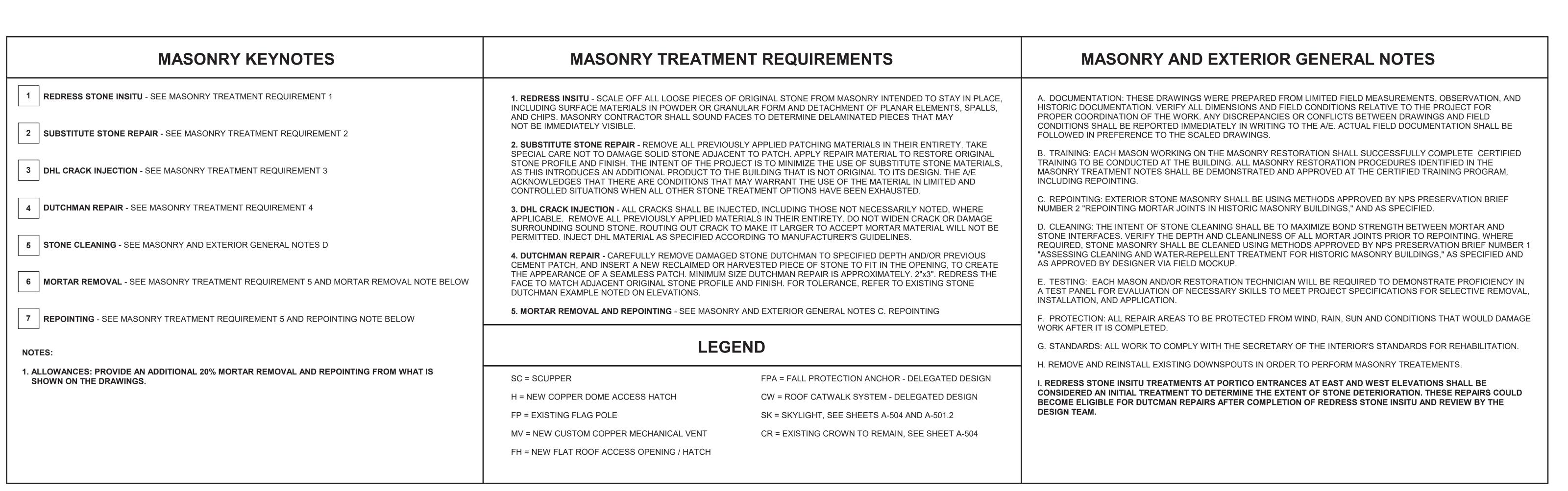
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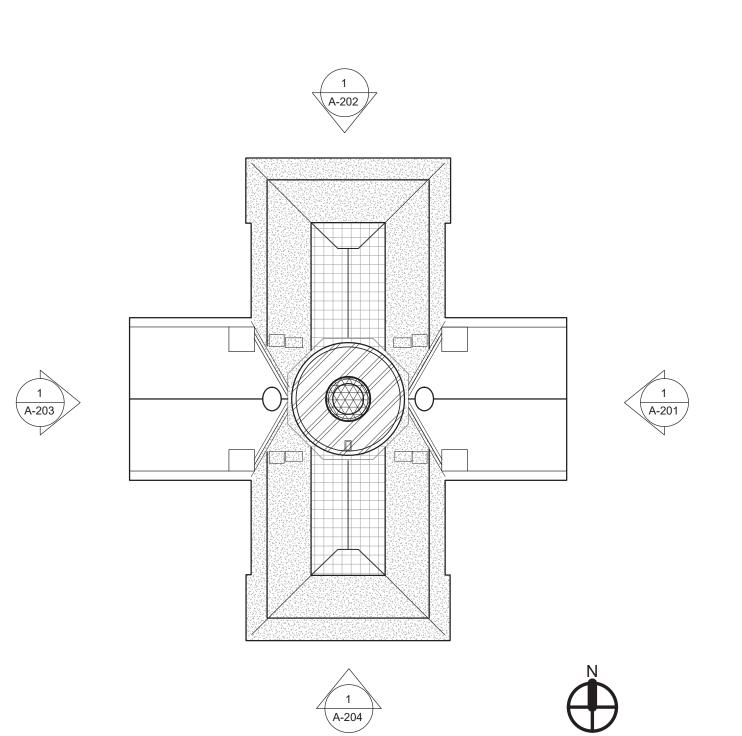
EAST ELEVATION -RESTORATION

SHEET NO. PROJ. NO. RAL1188.001

NORTH ELEVATION - MASONRY TREATMENTS

| A-202| 3/16" = 1'-0"



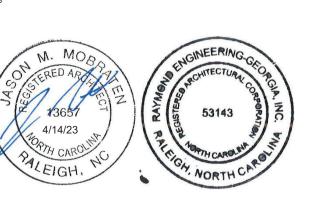








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DESCRIPTION

CONSTRUCTION **DOCUMENTS**

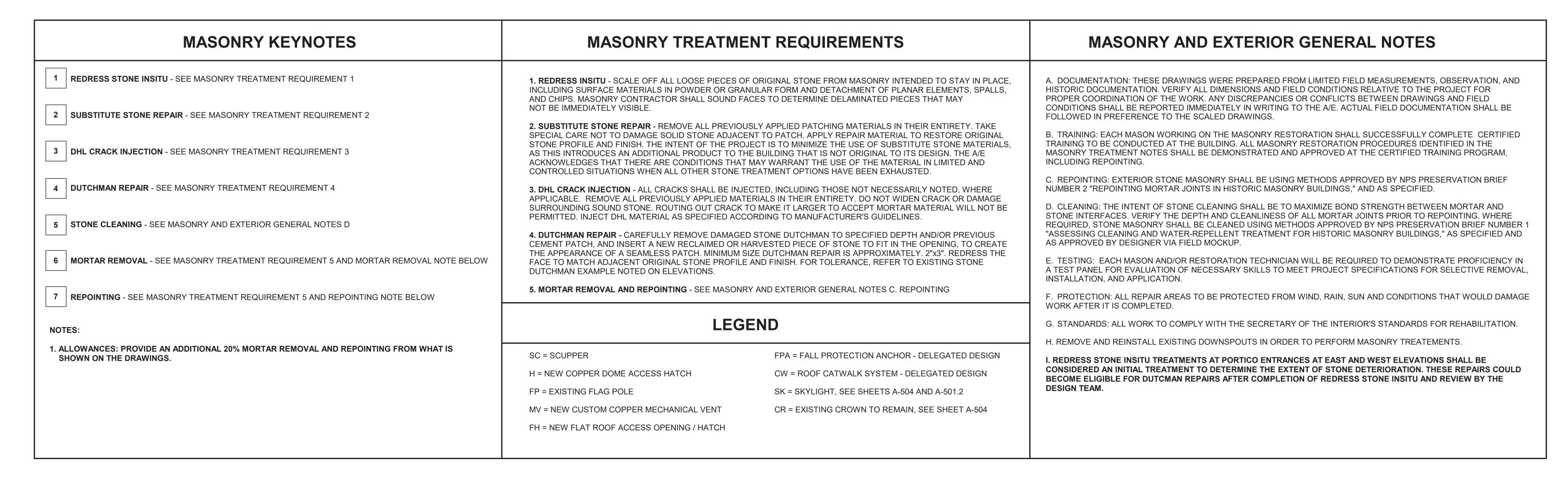
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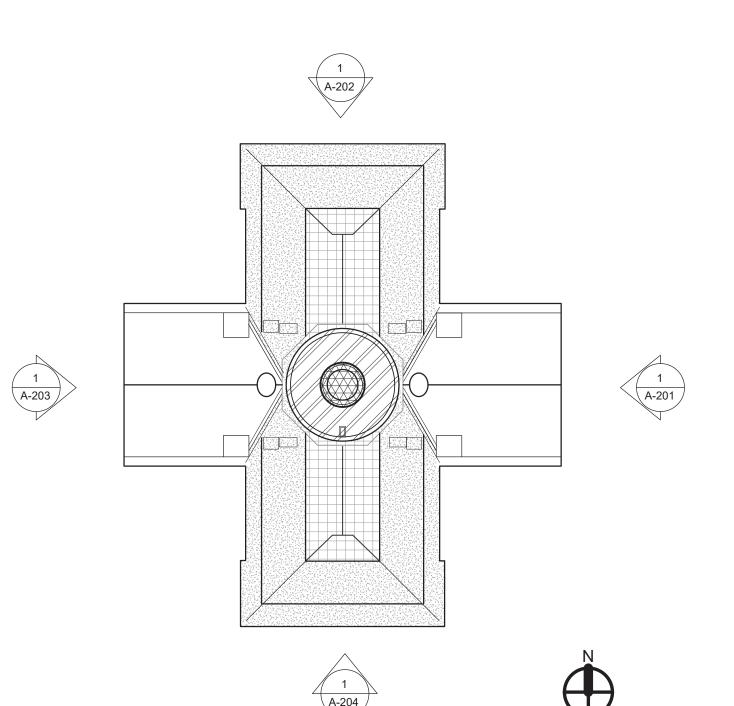
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NORTH ELEVATION -

RESTORATION SHEET NO. PROJ. NO. RAL1188.001



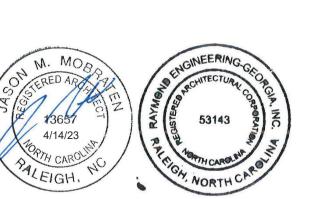


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DESCRIPTION

CONSTRUCTION **DOCUMENTS**

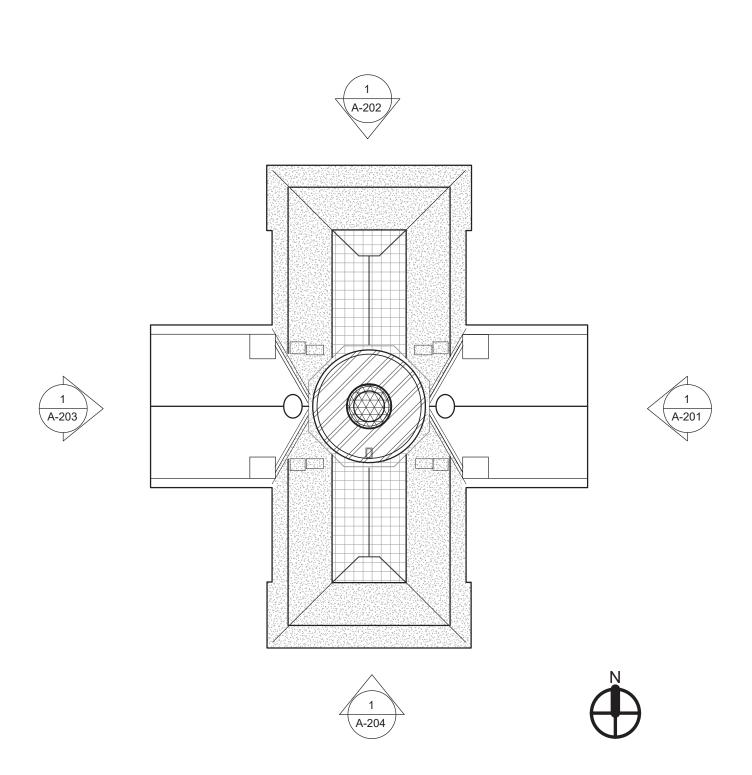
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APRIL 14, 2023

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RESTORATION SHEET NO. PROJ. NO. RAL1188.001

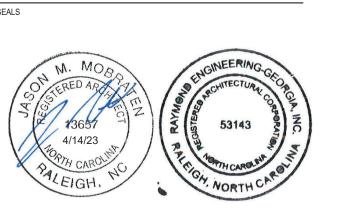


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DESCRIPTION

CONSTRUCTION **DOCUMENTS**

APRIL 14, 2023 SCO#: 23-26138-01A

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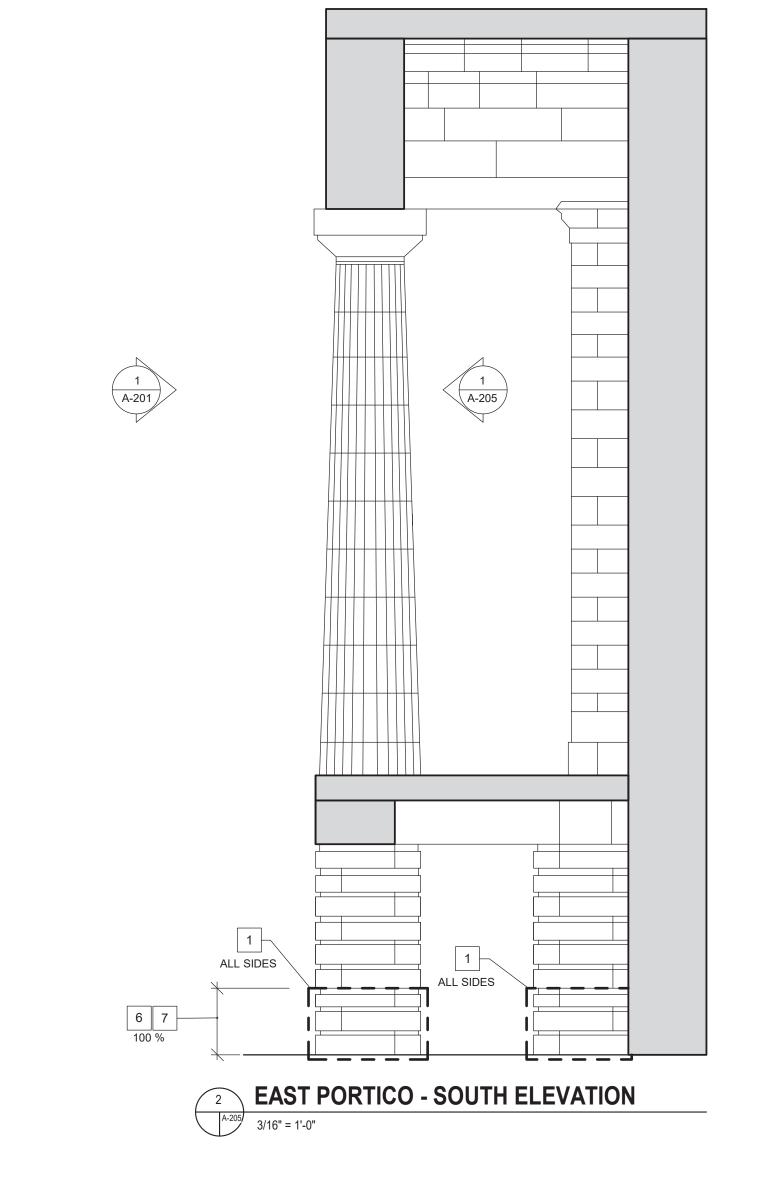
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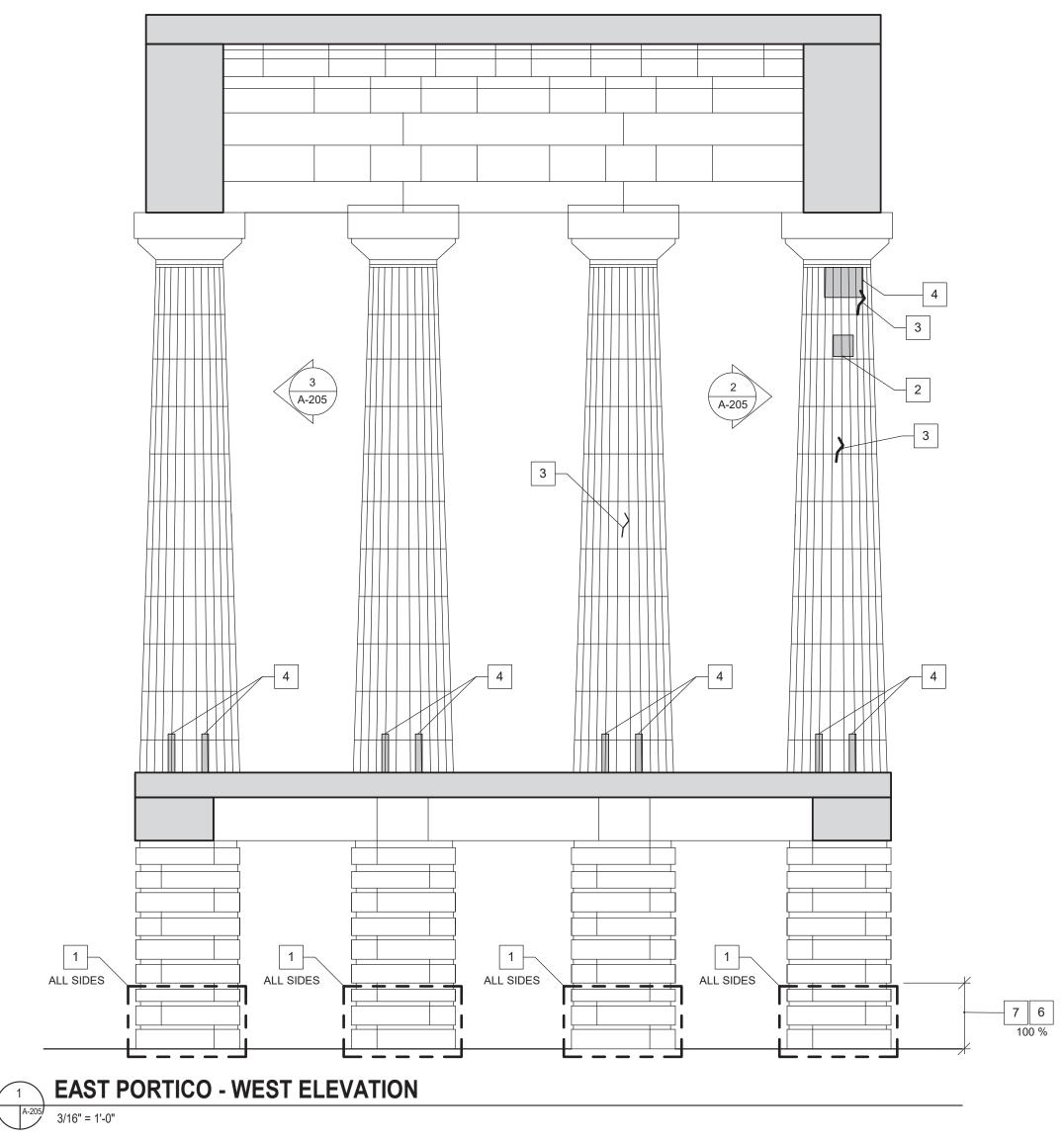
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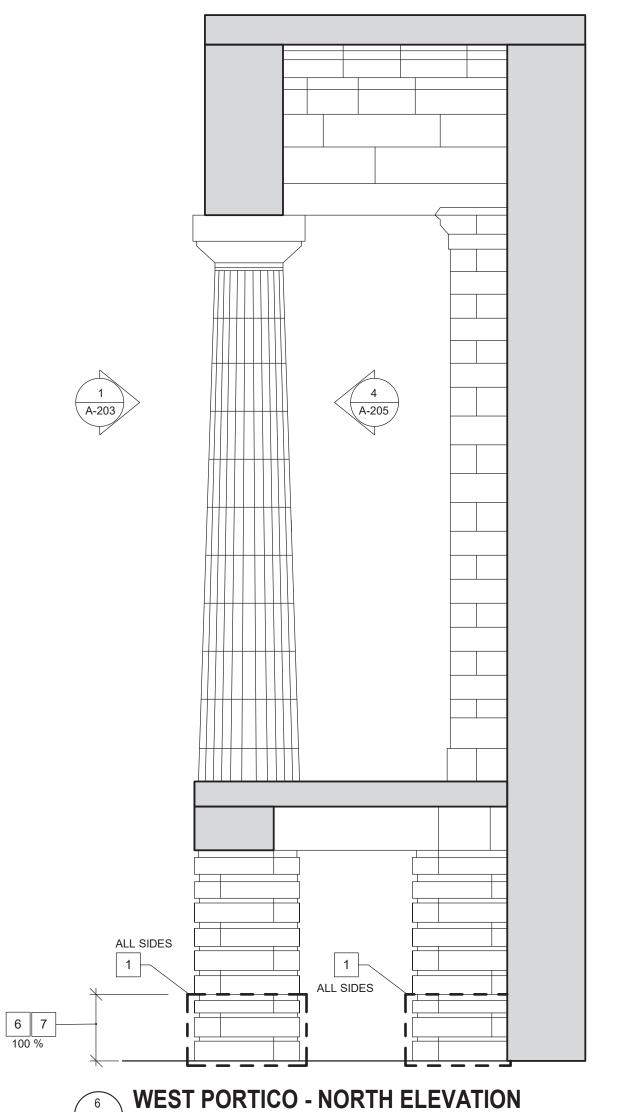
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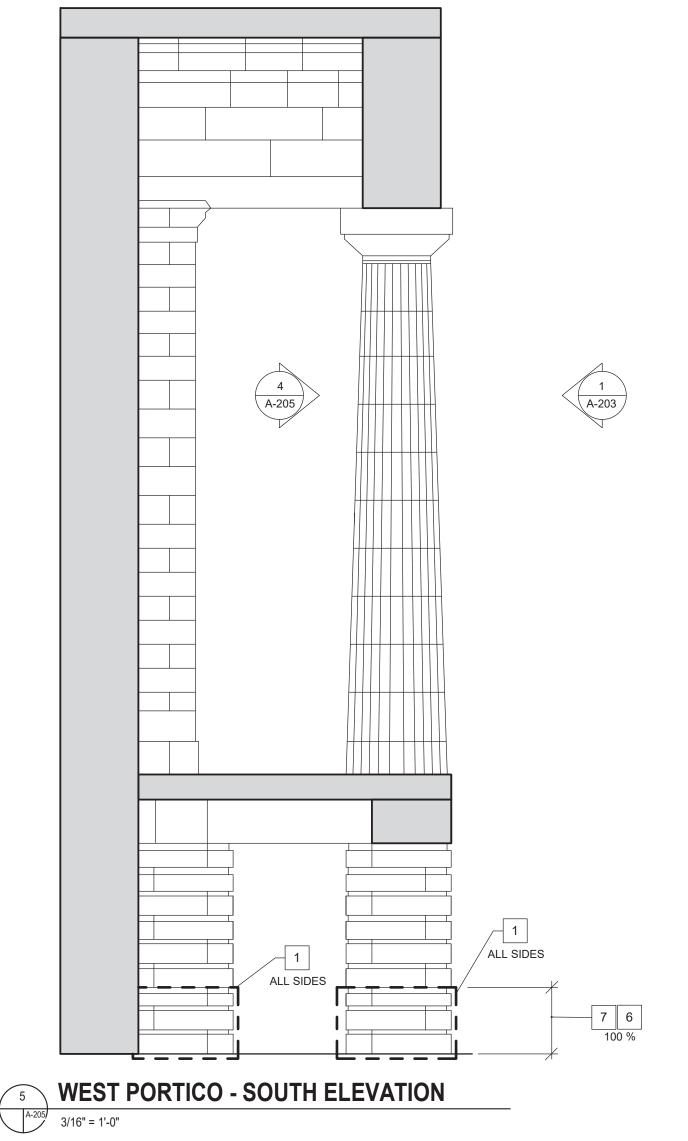
SOUTH ELEVATION - MASONRY TREATMENTS

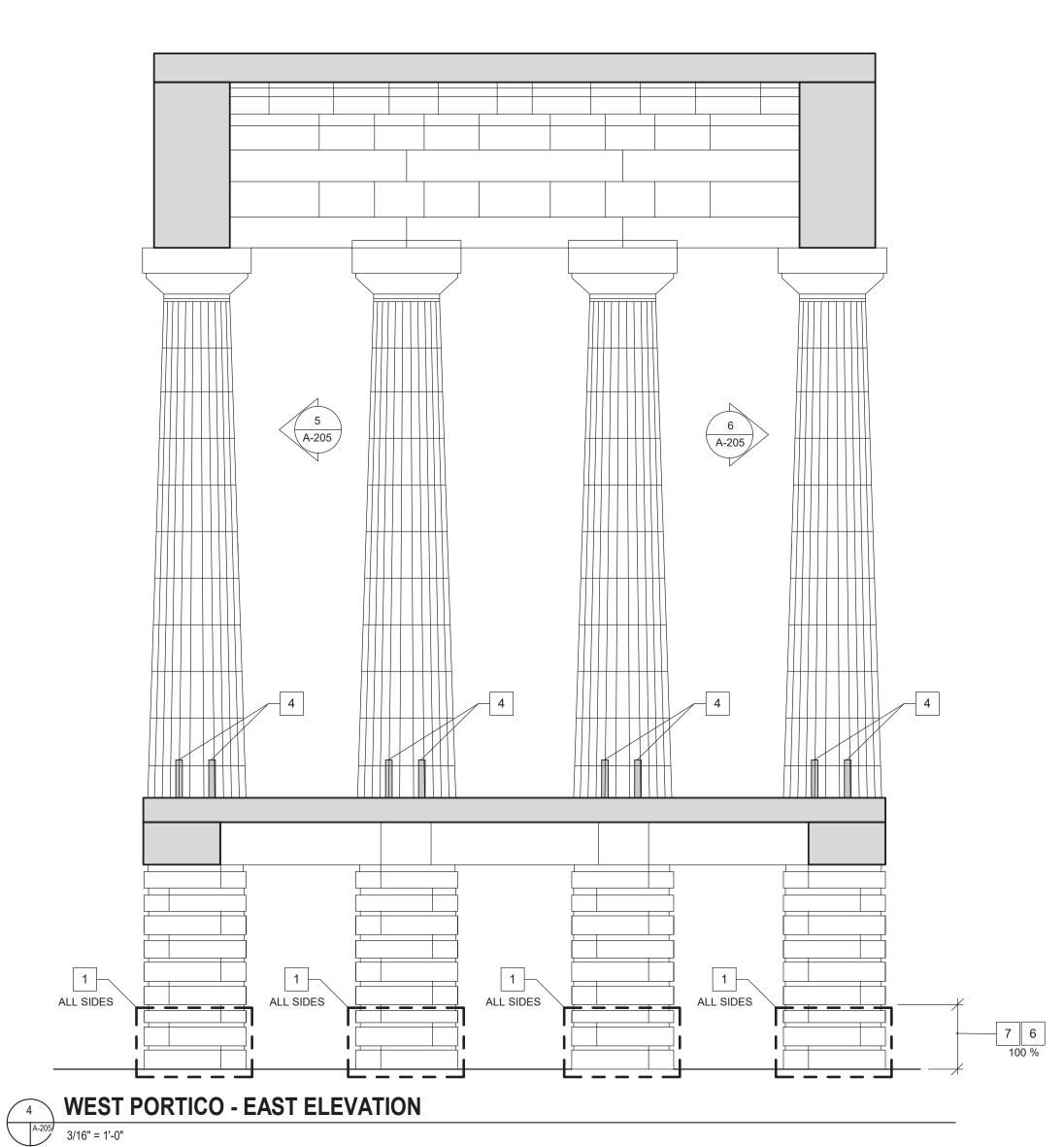
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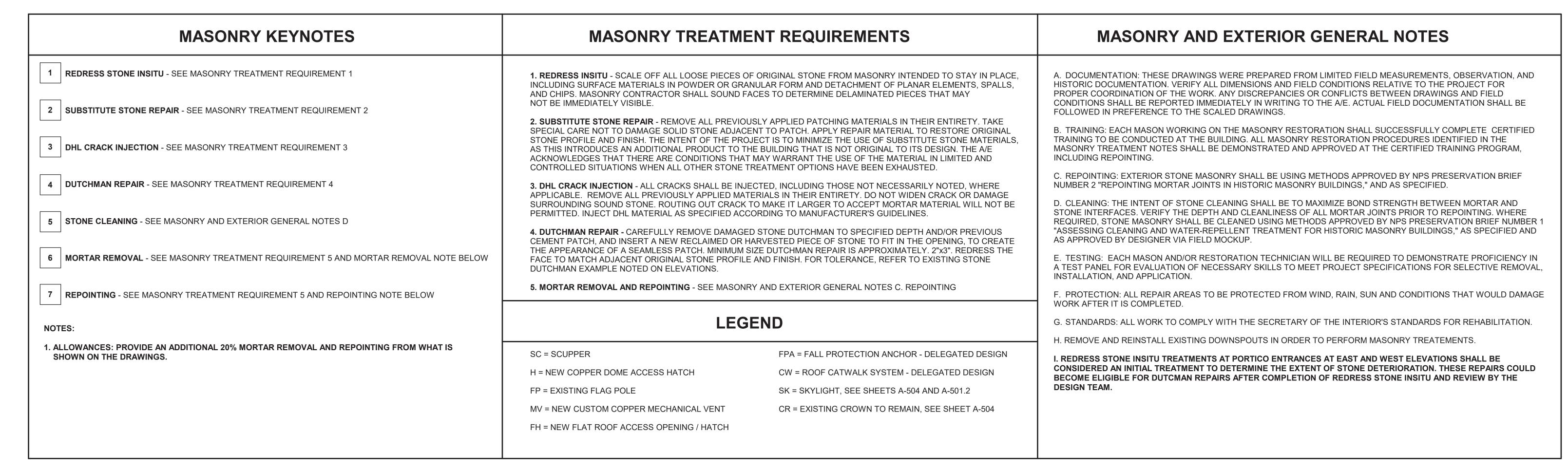






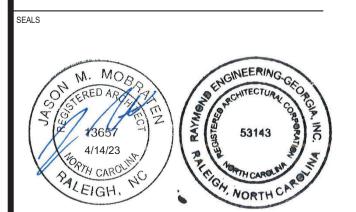






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OF THE NORTH CAROLINA CAPITOL BUILDING

SHEET ISSUE:

NO. DATE DESCRIPTION

CONSTRUCTION DOCUMENTS

APRIL 14, 2023

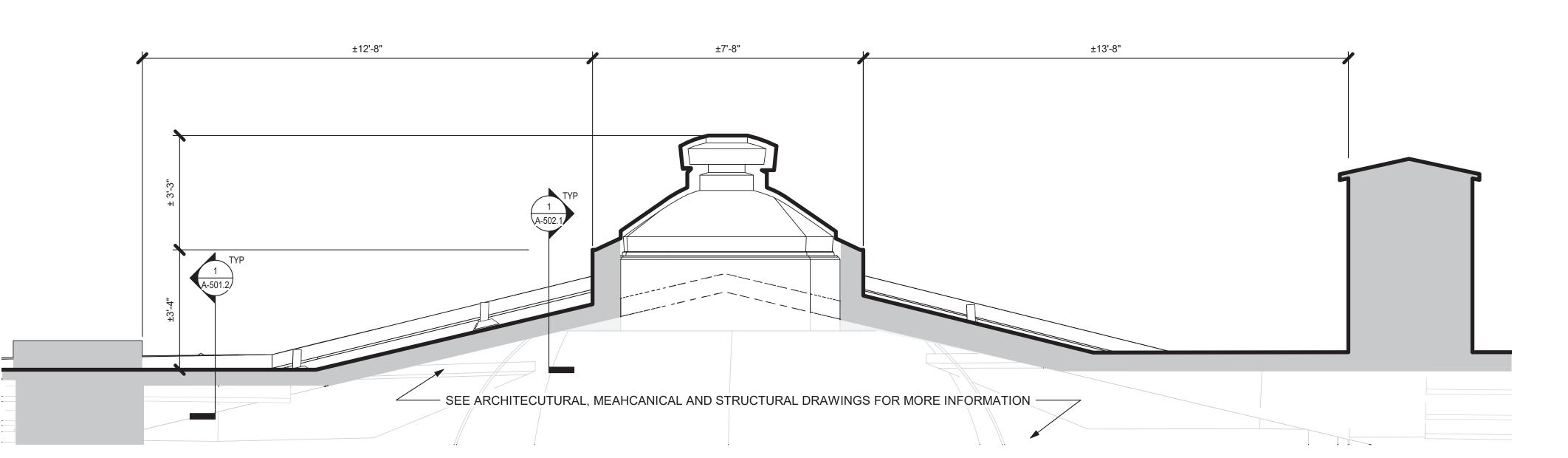
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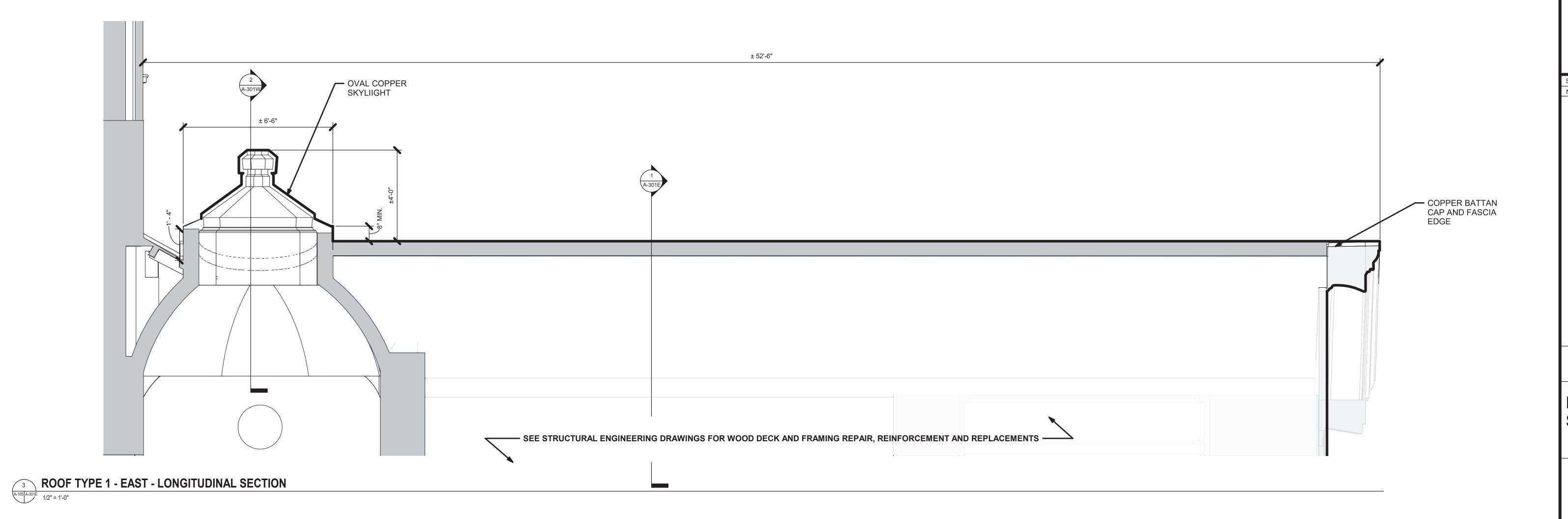
PORTICO ELEVATION -MASONRY RESTORATION

SHEET NO. PROJ. NO. RAL1188.001

A-205

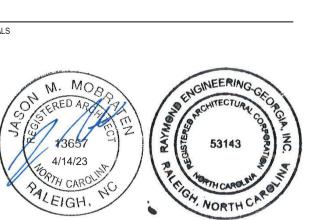


ROOF TYPE 1 - EAST - PARTIAL SECTION AT SKYLIGHT1



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RESTORATION OF THE NORTH CAROLINA
STATE CAPITOL BUILDING

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DATE DESCRIPTION E

CONSTRUCTION DOCUMENTS

SCO#: 23-26138-01A

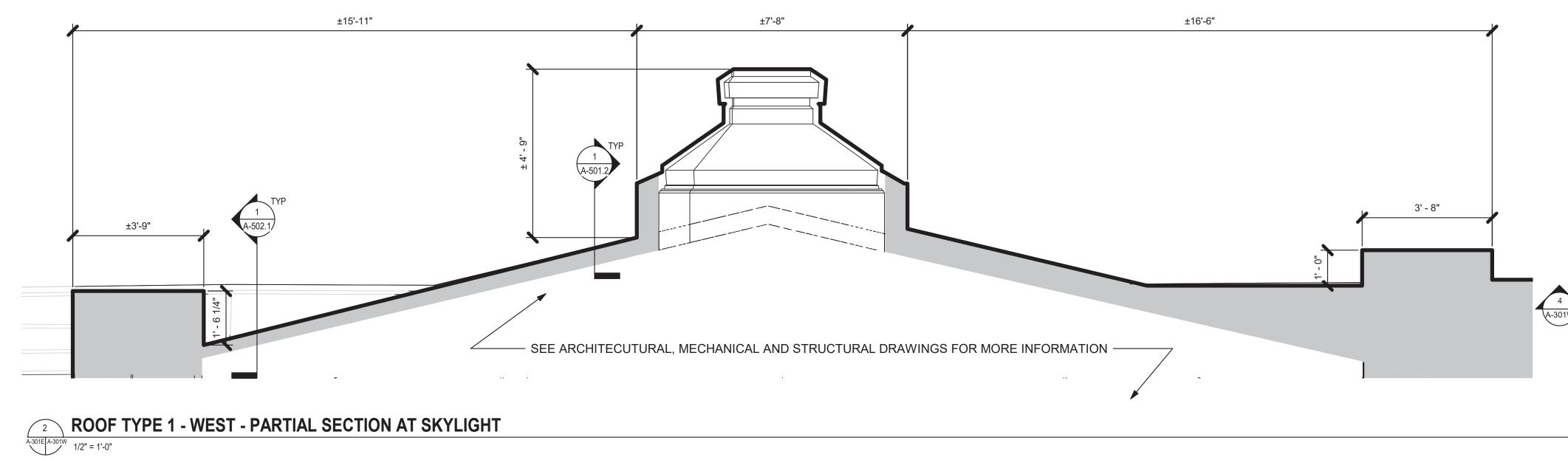
APRIL 14, 2023

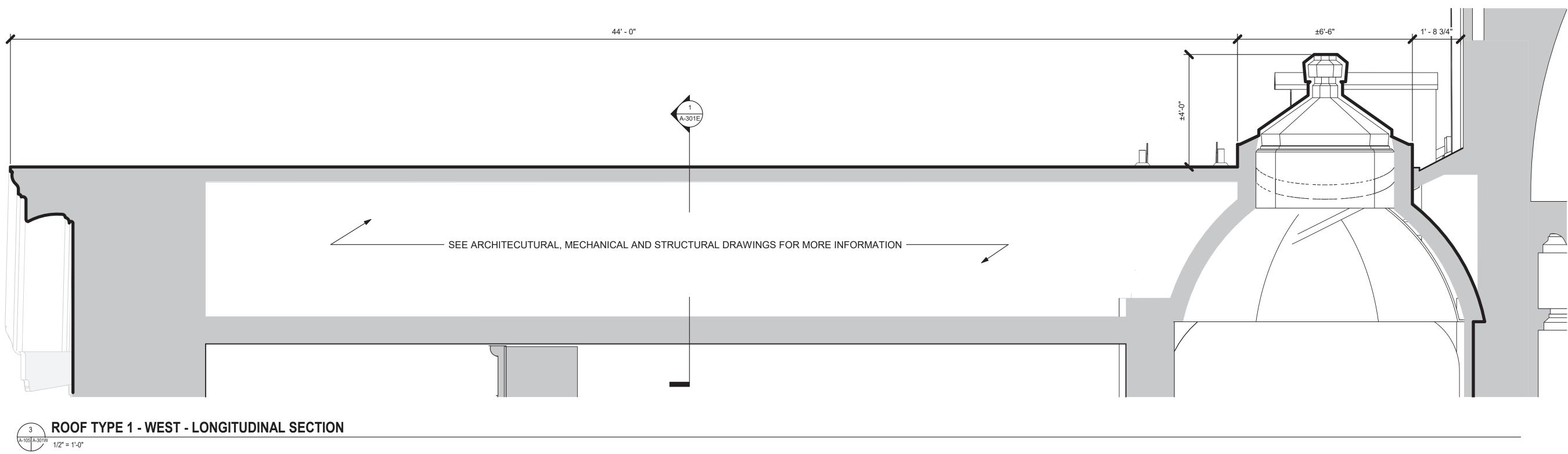
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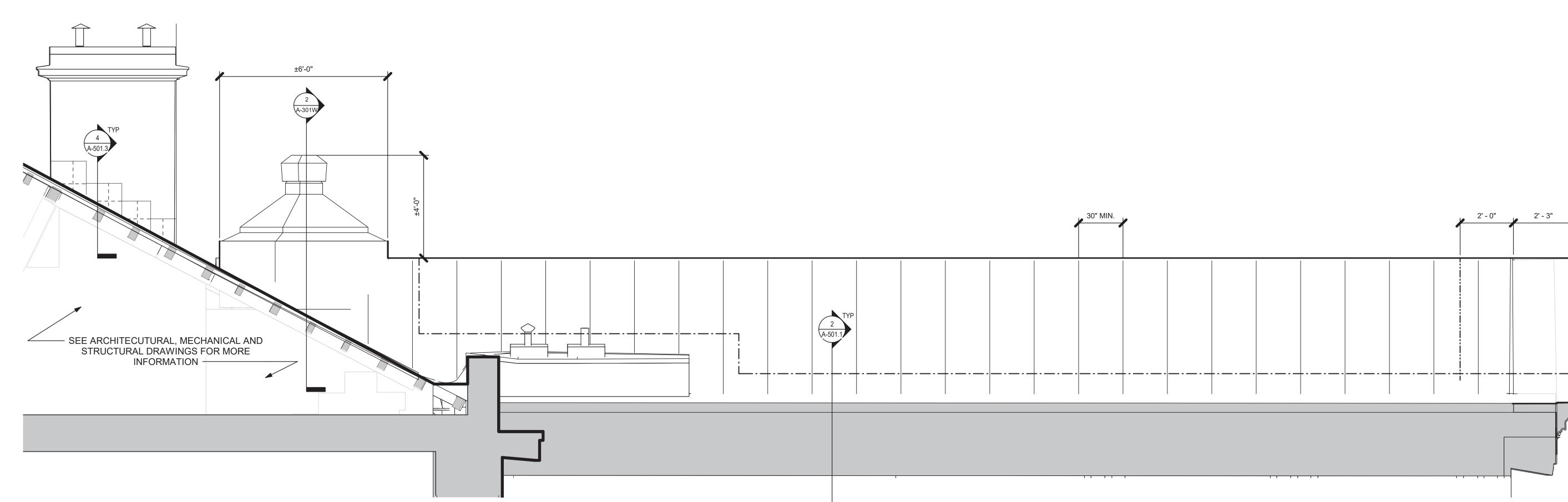
ROOF TYPE 1 - EAST - SECTIONS

SHEET NO. PROJ. NO. RAL1188.001

A-301E







ROOF TYPE 1 - EAST - PARTIAL SECTION - TYPICAL DETAIL AT GUTTER

A102 A-301W 1/2" = 1'-0"

ROOF SECTION LEGEND:

EDGE OF HIGH-TEMPERATURE SELF-ADHERED UNDERLAYMENT EDGE OF LIQUID APPLIED SEAMLESS

WATERPROOFING SYSTEM

ROOF SLOPE (U.O.N.) TYPICAL 1/4"/12" GUTTER DOWNSLOPE DIRECTION ROOF DOWNSLOPE DIRECTION OF STRUCTURALLY SLOPED ROOF

EXISTING SCUPPER

INTERNAL ROOF DRAIN NEW COPPER ACCESS HATCH AT EXISTING OPENING, 12" CURB

MECHANICAL VENT, 12" CURB NEW FLAT ROOF ACCESS OPENING/ HATCH, 12" CURB

COPPER 1" DOUBLE-LOCKK STANDING WITH TRANSVERSE SEAM COPPER ROOF SYSYEM TRANSVERSE SEAM/ EXPANSION JOINT OR

FOLD SEAM AS REQUIRED. DOUBLE-LOCK STANDING SEAM WITH BUTYL SEALANT COPPER FLASHING SEAM EDGE BELOW ROOF SYSTEM FPA — FALL PROTECTION ANCHOR, DELEGATED DESIGN BY OTHERS

EXISTING VENT TO BE CAPPED IF NOT IN USE BELOW NEW COPPER (VIF)

CW FALL PROTECTION CATWALK SYSTEM, DELEGATED DESIGN BY OTHERS O IDS EXISTING INTERNAL ROOF DRAIN TO DOWNSPOUT

FP EXISTING FLAG POLE, SEE STRCUTURAL SHEETS

DS EXISTING DOWNSPOUT TO REMAIN (VIF WORKING CONDITION AND REPAIR AS REQUIRED) SK SKYLIGHT SEE SHEETS A-504 AND A-501.2

MUTER CONSTRUCTION 111 EAST VANCE STREET ZEBULON, NORTH CAROLINA 25797 919.404.8330

RAYMOND

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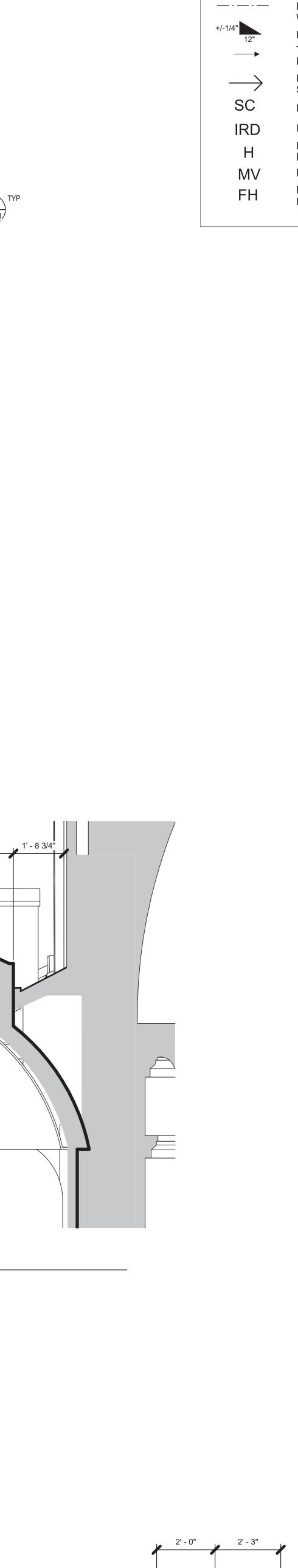


DESCRIPTION

CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

SCO#: 23-26138-01A

ROOF TYPE 1 - WEST -SECTIONS



COPPER 1" DOUBLE-LOCKK STANDING WITH TRANSVERSE SEAM COPPER ROOF SYSYEM TRANSVERSE SEAM/ EXPANSION JOINT OR FOLD SEAM AS REQUIRED.

- DOUBLE-LOCK STANDING SEAM WITH BUTYL SEALANT

COPPER FLASHING SEAM EDGE BELOW ROOF SYSTEM FPA — FALL PROTECTION ANCHOR, DELEGATED DESIGN BY OTHERS

EXISTING VENT TO BE CAPPED IF NOT IN USE BELOW NEW COPPER (VIF)

CW FALL PROTECTION CATWALK SYSTEM, DELEGATED DESIGN BY OTHERS O IDS EXISTING INTERNAL ROOF DRAIN TO DOWNSPOUT

DS EXISTING DOWNSPOUT TO REMAIN (VIF WORKING CONDITION AND REPAIR AS REQUIRED) SK SKYLIGHT SEE SHEETS A-504 AND A-501.2 **FP** EXISTING FLAG POLE, SEE STRCUTURAL SHEETS

Dewberry

MUTER CONSTRUCTION

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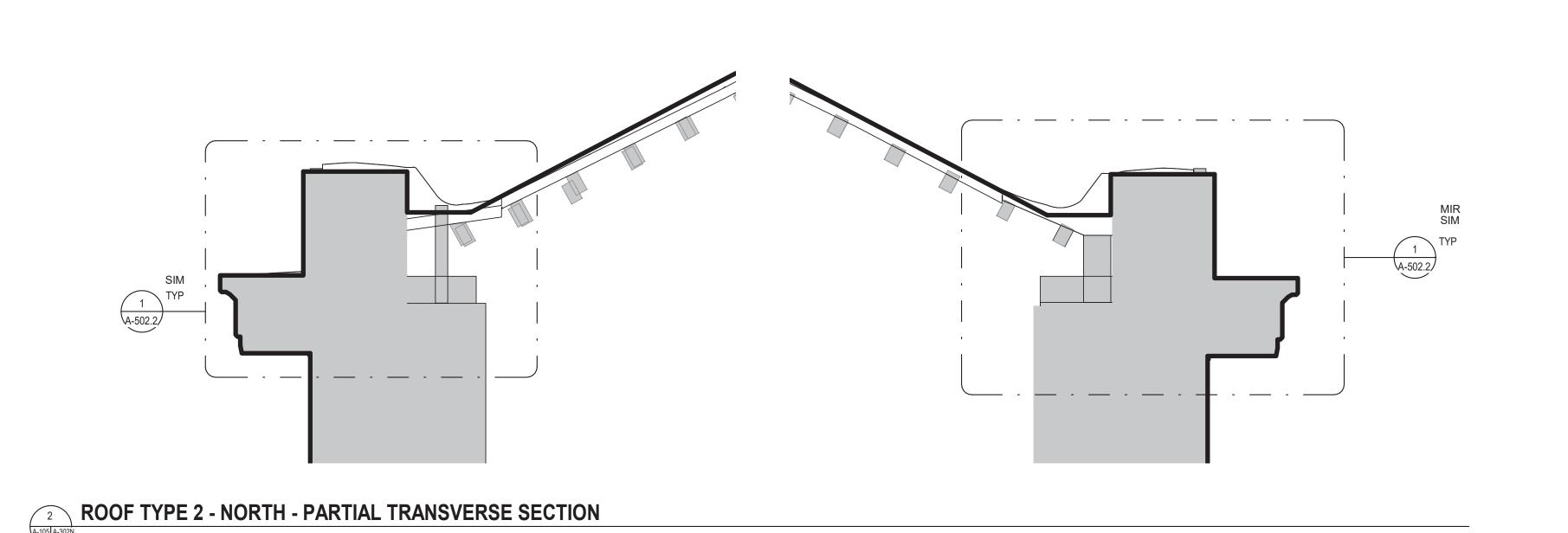
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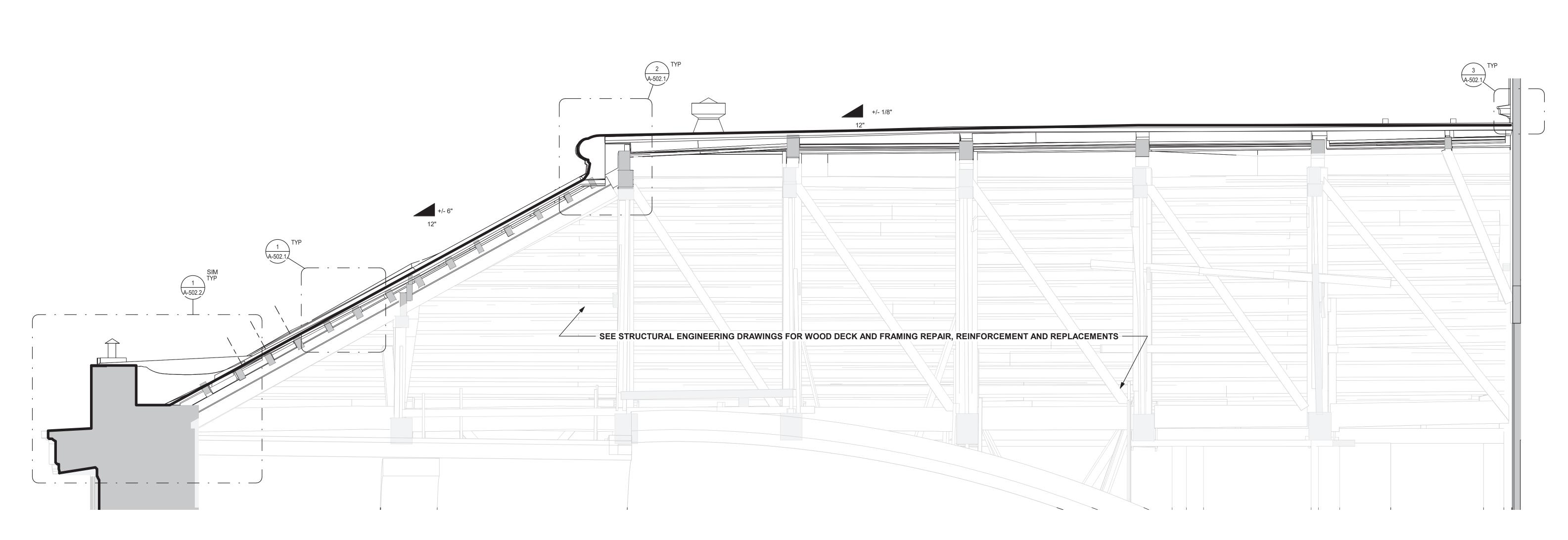


DESCRIPTION

CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

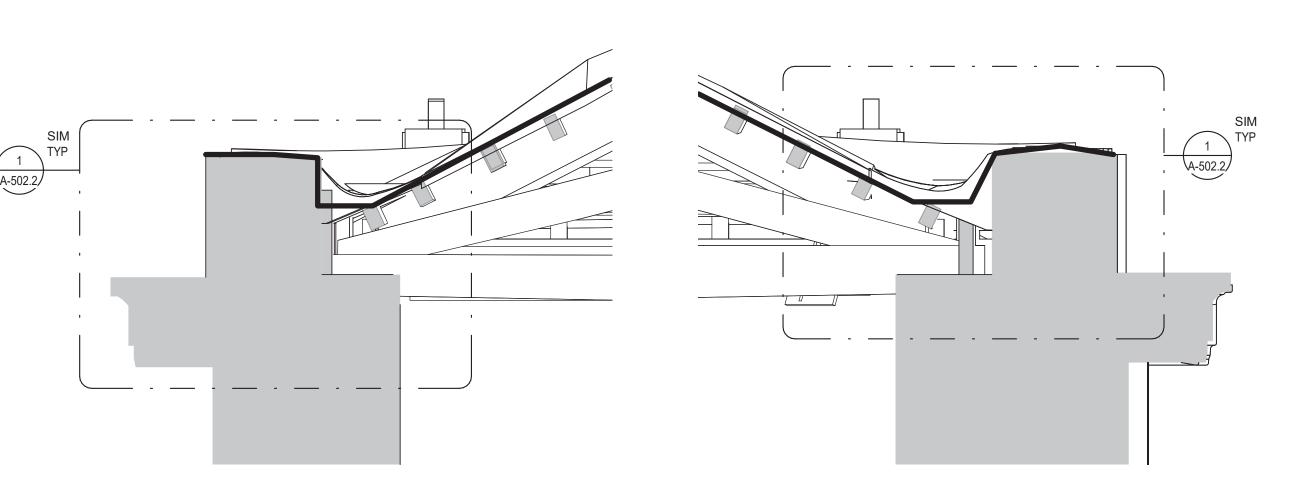
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ROOF TYPE 2 - NORTH - SECTIONS





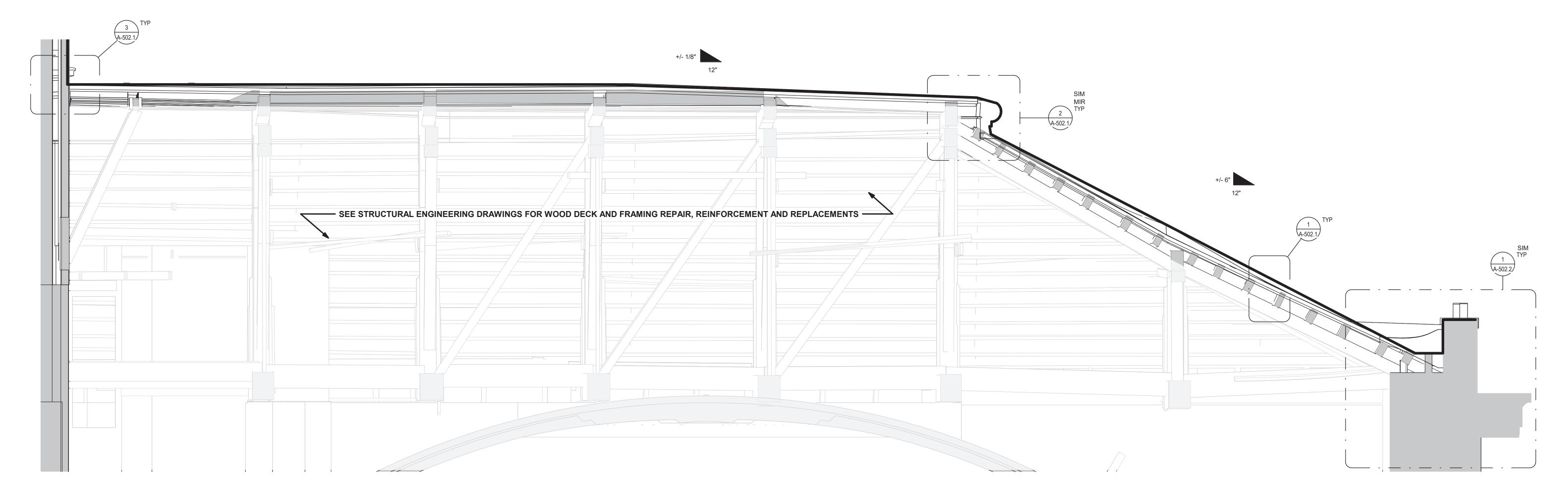
ROOF TYPE 2 - NORTH - LONGITUDINAL SECTION

1/2" = 1'-0"



ROOF TYPE 2 - SOUTH - PARTIAL TRANSVERSE SECTIONS

A-105 | A-3028 | 1/2" = 1'-0"

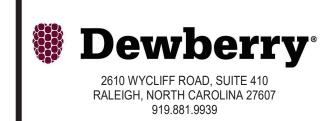


RAYMOND

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MUTER CONSTRUCTION

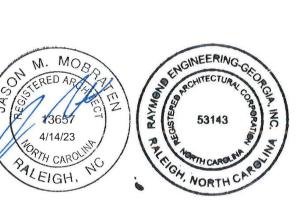
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RESTORATION OF THE NORTH CAROLINA
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HEET ISSUE:

O. DATE DESCRIPTION

CONSTRUCTION DOCUMENTS APRIL 14, 2023

> SCO#: 3-26138-01A

DESIGNED BY: SENIOR REVIEW:

ROOF TYPE 2 - SOUTH - SECTIONS

SHEET NO. PRO RAL118

A-302S

ROOF TYPE 2 - SOUTH - LONGITUDINAL SECTION

1/2" = 1'-0"

ROOF SECTION LEGEND:

EDGE OF HIGH-TEMPERATURE SELF-ADHERED UNDERLAYMENT WATERPROOFING SYSTEM ROOF SLOPE (U.O.N.) TYPICAL 1/4"/12" GUTTER DOWNSLOPE DIRECTION ROOF DOWNSLOPE DIRECTION OF STRUCTURALLY SLOPED ROOF

EXISTING SCUPPER INTERNAL ROOF DRAIN

NEW COPPER ACCESS HATCH AT EXISTING OPENING, 12" CURB MECHANICAL VENT, 12" CURB NEW FLAT ROOF ACCESS OPENING/ HATCH, 12" CURB

COPPER 1" DOUBLE-LOCKK STANDING WITH TRANSVERSE SEAM COPPER ROOF SYSYEM TRANSVERSE SEAM/ EXPANSION JOINT OR — DOUBLE-LOCK STANDING SEAM WITH BUTYL SEALANT COPPER FLASHING SEAM EDGE BELOW ROOF SYSTEM

FPA — FALL PROTECTION ANCHOR, DELEGATED DESIGN BY OTHERS EXISTING VENT TO BE CAPPED IF NOT IN USE BELOW NEW COPPER (VIF) CW FALL PROTECTION CATWALK SYSTEM, DELEGATED DESIGN BY OTHERS

O IDS EXISTING INTERNAL ROOF DRAIN TO DOWNSPOUT DS EXISTING DOWNSPOUT TO REMAIN (VIF WORKING CONDITION AND REPAIR AS REQUIRED) SK SKYLIGHT SEE SHEETS A-504 AND A-501.2

FP EXISTING FLAG POLE, SEE STRCUTURAL SHEETS

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3 A-502.1 ____

DESCRIPTION

CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

SCO#: 23-26138-01A

DESIGNED BY: SENIOR REVIEW: DRAWN BY:

SECTION

PROJ. NO. RAL1188.001 SHEET NO.

A-303

ROOF TYPE 1 - TYPICAL BATTEN CAP AT FASCIA

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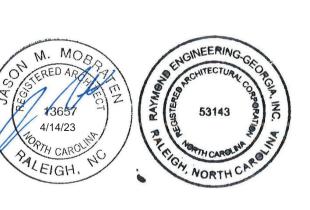




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DESCRIPTION

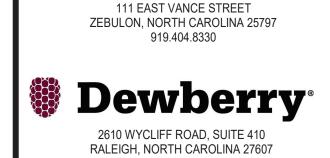
CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

SCO#: 23-26138-01A

SENIOR REVIEW: DRAWN BY:

ROOF TYPE 1 -TYPICAL DETAILS

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DESCRIPTION

CONSTRUCTION **DOCUMENTS**

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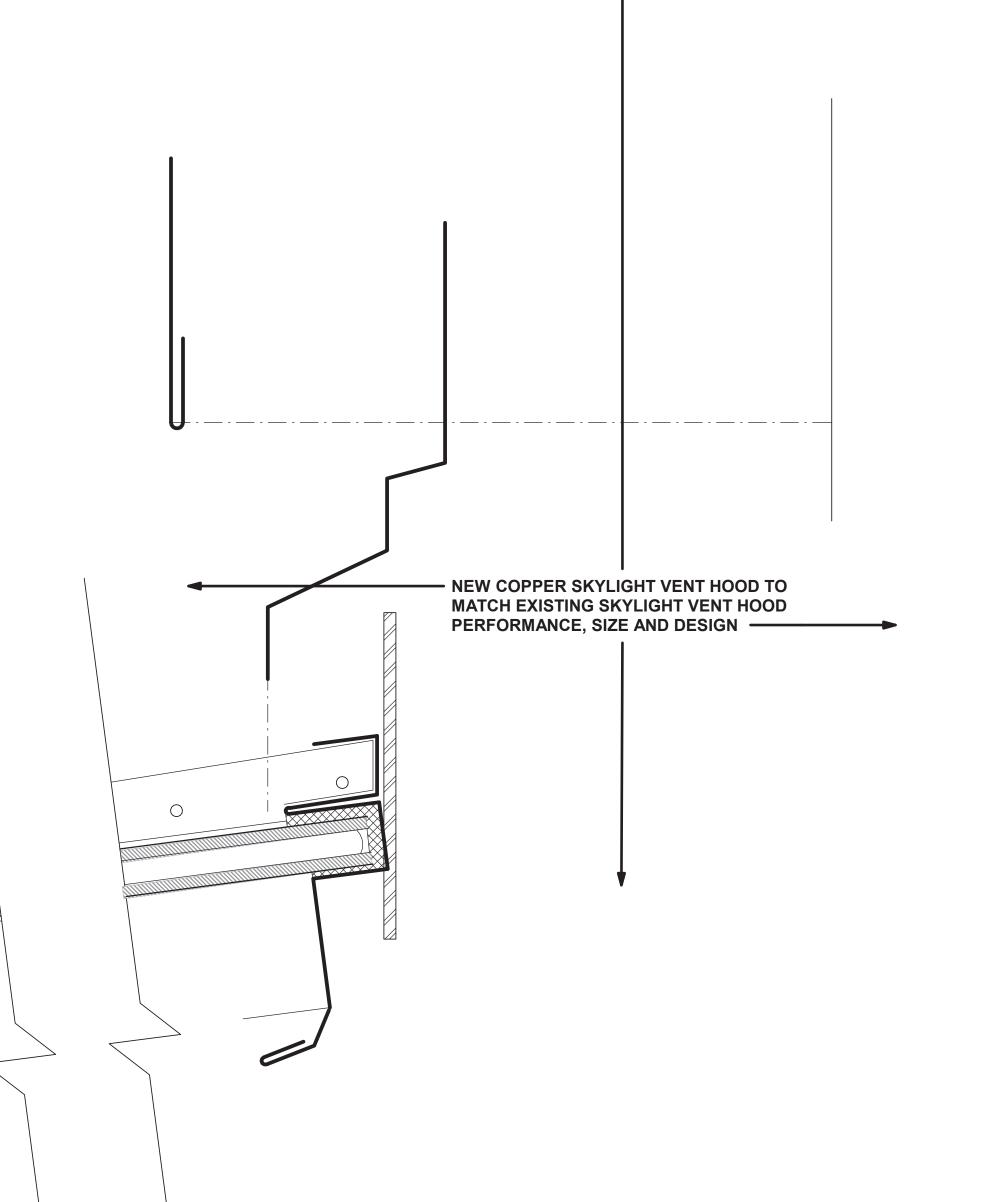
APRIL 14, 2023

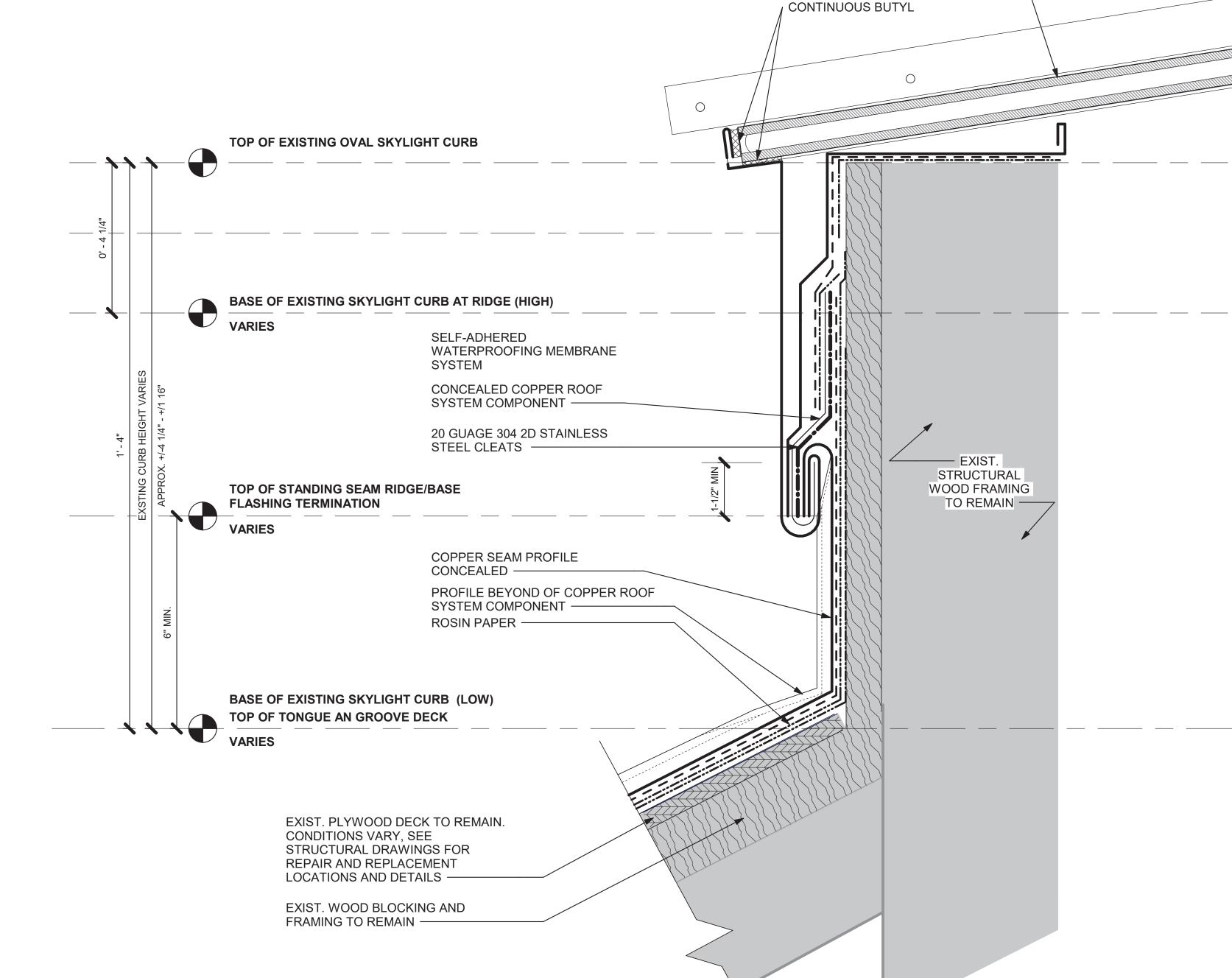
SENIOR REVIEW:

ROOF TYPE 1 -TYPICAL OVAL SKYLIGHT DETAILS

PROJ. NO.

RAL1188.001

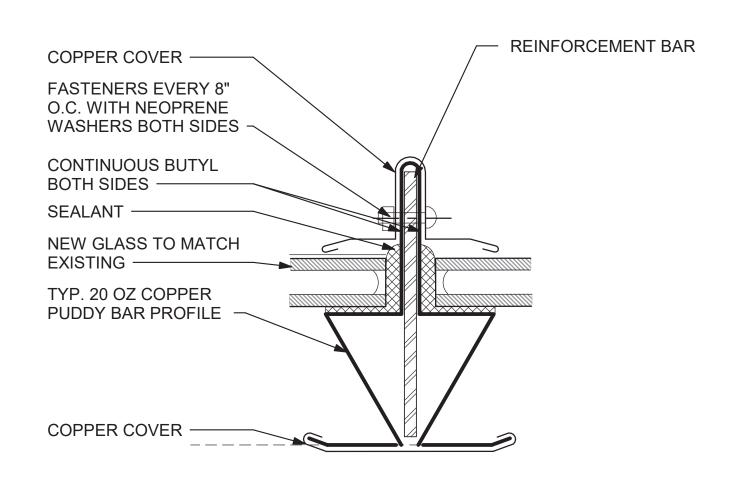




NEW GLAZING AND PUDDY

BARS TO MATCH EXISTING SIZE ——

ROOF TYPE 1 & TYPE 2B - TYPICAL SKYLIGHT DETAILS A-105 A-501.2 6" = 1'-0"



ROOF TYPE 1 - TYPICAL SKYLIGHT PUDDY BAR A-501.2 6" = 1'-0"



--- ROSIN PAPER

FASTENER, SIZE AND TYPE VARY PER LOCATION AND APPLICATION. SEE STRUTURAL ENGINEERING DRAWINGS FOR REQUIREMENTS AND DETAILS **ELEVATION NOTE** PROFILE BEYOND OF COPPER ROOF SYSTEM COPPER SEAM PROFILE CONCEALED PROFILE OF COPPER ROOF SYSTEM

PROFILE OF CONCEALED COPPER ROOF SYSTEM COMPONENT SOLDERED CONNECTION

OUTLINE OF CONCEALED CLIP IN STANDING SEAM

#30 FELT PAPER SELF-ADHERED WATERPROOFING MEMBRANE SYSTEM LIQUID APPLIED SEAMLESS WATERPROOFING

_-----LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM REINFORCEMENT DETAIL

SEALANT PER MEMBRANE MANUFACTURER'S REQUIREMENTS

20 GUAGE 304 2D STAINLESS STEEL CLEATS PLYWOOD DECK REPLACEMENT TO MATCH EXISTING, THICKNESS VARIES BY LOCATION FROM 1/2" TO 3/4"

 $\longrightarrow\longrightarrow\longrightarrow\longrightarrow\longrightarrow\longrightarrow$ VARIES BY LOCATION FROM 1/2" TO 3/4" NEW WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL REQUIREMENTS

EXISTING PLYWOOD DECK TO REMAIN, THICKNESS

REINFORCE CONCRETE SUBSTRATE TO BE SLOPED TO

ROOF DRAINS AND TAPERED AT CORNICE AND ROOF

WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

> TERMINATION TO CREATE A BOX GUTTER. PREPARE AS REQUIRED FOR FULLY ADHERED LIQUID-APPLIED SEAMLES WATERPROFING MEMBRANE SYSTEM EXISTING WOOD BLOCKING AND FRAMING TO REMAIN, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR

> > SCOPE AND REPAIR REQUIREMENTS

SHIM AS REQUIRED, SEE STRUCTURAL ENGINEERING DRAWINGS FOR SCOPE AND REPAIR REQUIREMENTS

> EXISTING STRUCTURE TO REMAIN FRAMING TO REMAIN, SEE STRUTURAL ENGINEERING DRAWINGS FOR SCOPE AND REPAIR REQUIREMENTS EXISTING STRUCTURAL WOOD FRAMING TO REMAIN,

ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

CUT AND REPOINT MORTAR JOINTS AT CONCEALED MASONRY JOINTS. SEE ARCHITECTURAL ELEVATIONS FOR ADDITIONAL MASONRY REPAIR SCOPE

SEE STRUTURAL ENGINEERING DRAWINGS ADDITIONAL

EXISTING MASONRY TO REMAIN

REINFORCEMENT PER MANUFACTURER REQUIREMENTS.

WD-1 ALLOWANCE: 10,000 SF OF A SINGLE LAYER OF PLYWOOD REPLACEMENT DUE TO OVERED DAMAGE TO EXISTING PLYWOOD. ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

RLSW <u>LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM NOTES:</u>

ROOF DETAIL GENERAL NOTES:

REQUIRED MODIFY AS REQUIRED,

REPAIR AND REPLACEMENT DESIGN.

EMR <u>EXISTING MASONRY REPAIR NOTES:</u>

ADJACENT SURFACES.

RDG-1 SEE STRUCTURAL ENGINEERING AND MEMBRANE MANUFACTURER

REQUIREMENTS FOR WIND UPLIFT AND COMPETENT CLADDING

EXISTING WOOD DECK AND FRAMING AND OTHER RELATED SCOPE.

EMR-1 CUT AND REPOINT EXISTING EXPOSED AND CONCEALED MASONRY JOINTS,

EW <u>EXISTING/ORIGINAL T&G WOOD ROOF DECK AND FRAMING REPAIR NOTES:</u>

EW-1 PREVENT DAMAGE TO THE EXISTING ASSEMBLIES TO REMAIN, ALL PLYWOOD

TO BE REMOVED BY THE ENTIRE INTACT SHEET INSTALLED AT THOSE

EW-1 ALLOWANCE: 10,000 SF OF A SINGLE LAYER OF PLYWOOD TO MATCH EXISTING.

WD-1 FIT PLYWOOD AT ALL PENETRATIONS AND PROJECTIONS. PLYWOOD SHALL BE

SECURED WITH JOINTS NO GREATER THAN 1/4". FILL ALL JOINTS AND GAPS

SUPPORTED, STRIP ALL PLYWOOD JOINTS WITH MANUFACTURER DETAIL

WITH SEALANT PER MANUFACTURER REQUIREMENTS. MEMBRANE TO BE FULLY

ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

WD WOOD DECK AND FRAMING REPLACEMENT NOTES:

REQUIRED TO BE REMOVED AND REPLACED TO FACILITATE WORK IS REQUIRED

LOCATIONS, NOT CUT. PLYWOOD TO BE REPLACED IN-KIND TO BE FLUSH WITH

DEPTH TO BE 2.5 TIMES THE WIDTH OF THE JOINT. SEE ARCHITECTURAL

ELEVATIONS FOR MASONRY REPAIR SCOPE NOT INDICATED IN THE ROOF

RDG-2 EXISTING ROOF ELEMENTS ALL ROOFS TO REMAIN AND PROTECTED AND TIED

PERFORMANCE DESIGN REQUIREMENTS, FASTENERS, NEW STRUCTURAL

FRAMING SCOPE AND REQUIREMENTS, REPAIRS AND REPLACEMENTS TO

INTO NEW WORK AS REQUIRED UNLESS OTHERWISE NOTED. RAISE EXISTING

CURBS WITH 8" MIN. NEW BLOCKING AND ATTACHMENT TO MEET OR EXCEED

DESIGN REQUIRMENTS FOR WIND UPLIFT. REPAIR EXISTING CODITION AS

SAWM SELF-ADHERED WATERPROOFING MEMBRANE SYSTEM NOTES:

RS ROOF SUBSTRATE REPAIR AND REPLACEMENT:

RS-1 #30 FELT PAPER IS BELOW ALL EXPOSED COPPER, UNLESS OTHERWISE

RS-2 RED ROSIN PAPER IS TO BE INSTALLED AS A SHEET SEPARATION BETWEEN NEW AND EXISTING SYSTEMS AND INCLUDING WOOD STUBSTRATES, MASONRY, HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT AND OTHER WATERPROOFING MEMBRANES.

RS-3 HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED 24" BEYOND STANDING SEAM ROOF TERMINATIONS. ALL ROOF PENETRATIONS AND CHANGES IN SLOPE AND ADJACENT CONSTRUCTION. RED ROSIN PAPER IS TO BE INSTALLED AS A SEPERATION SHEET BETWEEN SELF ADHERED BITUMOUS UNDERLAYMENT AND COPPER FLASHING

COPPER NOTES:

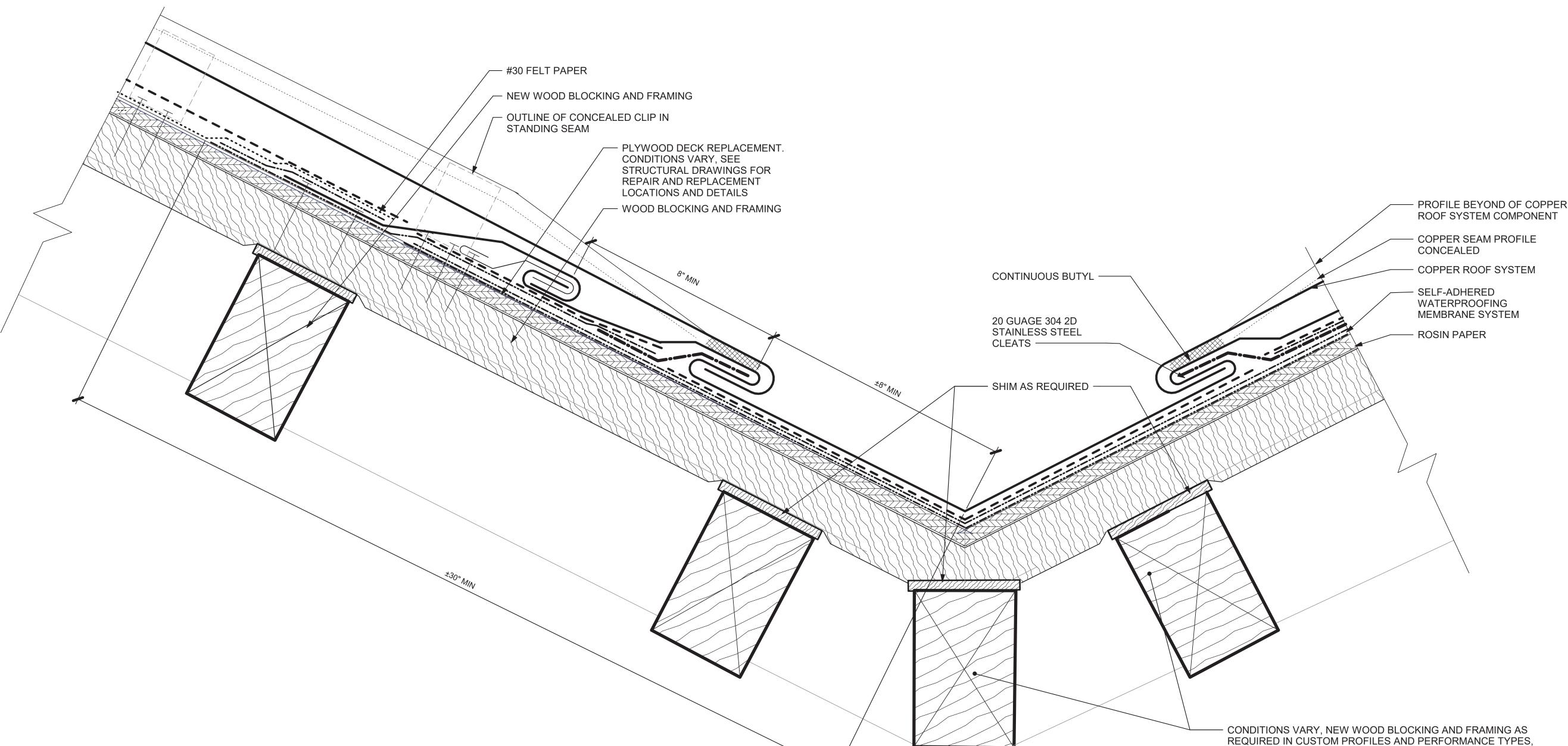
C-1 COPPER IS TO BE 20oz

C-2 STANDING SEAMS ARE TO BE DOUBLE-LOCK 1" TALL WITH BUTYL SEALANT

C-3 COPPER CLEATS ARE TO BE 2" WIDE AND ARE SPACED AT ALL SEAMS 12" MIN., UNLESS OTHERWISE NOTED

C-4 EXPANSION JOINT SPACING: VERTICAL: 15'-0 HORIZONTAL: 15'-0"

ROOF TYPE 1 AND 2 - TYPICAL BASE FLASHING AT MASONRY DETAIL



ROOF TYPE 1 AND 2 - TYPICAL VALLEY FLASHING

#30 FELT PAPER

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ROOF DETAIL LEGEND

FASTENER, SIZE AND TYPE VARY PER LOCATION AND APPLICATION. SEE STRUTURAL ENGINEERING DRAWINGS FOR REQUIREMENTS AND DETAILS

LOCATION
LEVEL

ELEVATION NOTE

PROFILE BEYOND OF COPPER ROOF SYSTEM COMPONENT

COPPER SEAM PROFILE CONCEALED

PROFILE OF COPPER ROOF SYSTEM COMPONENTPROFILE OF CONCEALED COPPER ROOF SYSTEM

COMPONENT

SOLDERED CONNECTION

OUTLINE OF CONCEALED CLIP IN STANDING SEAM

----ROSIN PAPER

SELF-ADHERED WATERPROOFING MEMBRANE SYSTEM
LIQUID APPLIED SEAMLESS WATERPROOFING

LIQUID APPLIED SEAMLESS WATERPROOFING
SYSTEM REINFORCEMENT DETAIL

SEALANT PER MEMBRANE MANUFACTURER'S REQUIREMENTS

BUYTL

PLYWOOD DECK REPLACEMENT TO MATCH EXISTING, THICKNESS VARIES BY LOCATION FROM 1/2" TO 3/4"

20 GUAGE 304 2D STAINLESS STEEL CLEATS

REQUIREMENTS

VARIES BY LOCATION FROM 1/2" TO 3/4"

NEW WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL

EXISTING PLYWOOD DECK TO REMAIN, THICKNESS

WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

REINFORCE CONCRETE SUBSTRATE TO BE SLOPED TO ROOF DRAINS AND TAPERED AT CORNICE AND ROOF TERMINATION TO CREATE A BOX GUTTER. PREPARE AS REQUIRED FOR FULLY ADHERED LIQUID-APPLIED SEAMLES WATERPROFING MEMBRANE SYSTEM

EXISTING WOOD BLOCKING AND FRAMING TO REMAIN, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

AND REPAIR REQUIREMENTS

SHIM AS REQUIRED, SEE STRUCTURAL ENGINEERING DRAWINGS FOR SCOPE AND REPAIR REQUIREMENTS

EXISTING STRUCTURE TO REMAIN FRAMING TO REMAIN,

EXISTING STRUCTURAL WOOD FRAMING TO REMAIN, SEE STRUTURAL ENGINEERING DRAWINGS ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

SEE STRUTURAL ENGINEERING DRAWINGS FOR SCOPE

CUT AND REPOINT MORTAR JOINTS AT CONCEALED MASONRY JOINTS. SEE ARCHITECTURAL ELEVATIONS FOR ADDITIONAL MASONRY REPAIR SCOPE

EXISTING MASONRY TO REMAIN

ROOF DETAIL GENERAL NOTES:

RDG-1 SEE STRUCTURAL ENGINEERING AND MEMBRANE MANUFACTURER REQUIREMENTS FOR WIND UPLIFT AND COMPETENT CLADDING PERFORMANCE DESIGN REQUIREMENTS, FASTENERS, NEW STRUCTURAL FRAMING SCOPE AND REQUIREMENTS, REPAIRS AND REPLACEMENTS TO EXISTING WOOD DECK AND FRAMING AND OTHER RELATED SCOPE.

SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL

RDG-2 EXISTING ROOF ELEMENTS ALL ROOFS TO REMAIN AND PROTECTED AND TIED INTO NEW WORK AS REQUIRED UNLESS OTHERWISE NOTED. RAISE EXISTING CURBS WITH 8" MIN. NEW BLOCKING AND ATTACHMENT TO MEET OR EXCEED DESIGN REQUIRMENTS FOR WIND UPLIFT. REPAIR EXISTING CODITION AS REQUIRED MODIFY AS REQUIRED,

MR <u>EXISTING MASONRY REPAIR NOTES:</u>

EMR-1 CUT AND REPOINT EXISTING EXPOSED AND CONCEALED MASONRY JOINTS, DEPTH TO BE 2.5 TIMES THE WIDTH OF THE JOINT. SEE ARCHITECTURAL ELEVATIONS FOR MASONRY REPAIR SCOPE NOT INDICATED IN THE ROOF REPAIR AND REPLACEMENT DESIGN.

W EXISTING/ORIGINAL T&G WOOD ROOF DECK AND FRAMING REPAIR NOTES:

EW-1 PREVENT DAMAGE TO THE EXISTING ASSEMBLIES TO REMAIN, ALL PLYWOOD REQUIRED TO BE REMOVED AND REPLACED TO FACILITATE WORK IS REQUIRED TO BE REMOVED BY THE ENTIRE INTACT SHEET INSTALLED AT THOSE LOCATIONS, NOT CUT. PLYWOOD TO BE REPLACED IN-KIND TO BE FLUSH WITH ADJACENT SURFACES.

<u>EW-1 ALLOWANCE</u>: 10,000 SF OF A SINGLE LAYER OF PLYWOOD TO MATCH EXISTING. ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

WD WOOD DECK AND FRAMING REPLACEMENT NOTES:

D-1 FIT PLYWOOD AT ALL PENETRATIONS AND PROJECTIONS. PLYWOOD SHALL BE SECURED WITH JOINTS NO GREATER THAN 1/4". FILL ALL JOINTS AND GAPS WITH SEALANT PER MANUFACTURER REQUIREMENTS. MEMBRANE TO BE FULLY SUPPORTED, STRIP ALL PLYWOOD JOINTS WITH MANUFACTURER DETAIL REINFORCEMENT PER MANUFACTURER REQUIREMENTS.

<u>WD-1 ALLOWANCE</u>: 10,000 SF OF A SINGLE LAYER OF PLYWOOD REPLACEMENT DUE TO UNCOVERED DAMAGE TO EXISTING PLYWOOD. ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

RLSW LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM NOTES:

SAWM SELF-ADHERED WATERPROOFING MEMBRANE SYSTEM NOTES:

ROOF SUBSTRATE REPAIR AND REPLACEMENT:

RS-1 #30 FELT PAPER IS BELOW ALL EXPOSED COPPER, UNLESS OTHERWISE NOTED.

RS-2 RED ROSIN PAPER IS TO BE INSTALLED AS A SHEET SEPARATION BETWEEN NEW AND EXISTING SYSTEMS AND INCLUDING WOOD STUBSTRATES, MASONRY, HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT AND OTHER WATERPROOFING MEMBRANES.

RS-3
HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED 24" BEYOND STANDING SEAM ROOF TERMINATIONS, ALL ROOF PENETRATIONS AND CHANGES IN SLOPE AND ADJACENT CONSTRUCTION. RED ROSIN PAPER IS TO BE INSTALLED AS A SEPERATION SHEET BETWEEN SELF ADHERED BITUMOUS UNDERLAYMENT AND COPPER FLASHING

C COPPER NOTES:

C-1 COPPER IS TO BE 200z

STANDING SEAMS ARE TO BE DOUBLE-LOCK 1" TALL WITH BUTYL SEALANT

COPPER CLEATS ARE TO BE 2" WIDE AND ARE SPACED AT ALL SEAMS 12" MIN., UNLESS OTHERWISE NOTED

EXPANSION JOINT SPACING: VERTICAL: 15'-0 HORIZONTAL: 15'-0" RAYMOND

316 WEST MILLBROOK ROAD, SUITE 201
RALEIGH, NORTH CAROLINA 27609
919.872.7866
COA# C4282, LICENSE 53143

MUTER CONSTRUCTION

111 EAST VANCE STREET

ZEBULON, NORTH CAROLINA 25797

919.404.8330

Dewberry

2610 WYCLIFF ROAD, SUITE 410
RALEIGH, NORTH CAROLINA 27607
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SPEWEIK

Preservation Consultants, Inc.
3163 HERITAGE PARKWAY
ELGIN, ILLINOIS 60124
224.856.7449



RATION OF THE NORTH CAROLINA STATE CAPITOL BUILDING

EET ISSUE:

D. DATE DESCRIPTION

CONSTRUCTION DOCUMENTS APRIL 14, 2023

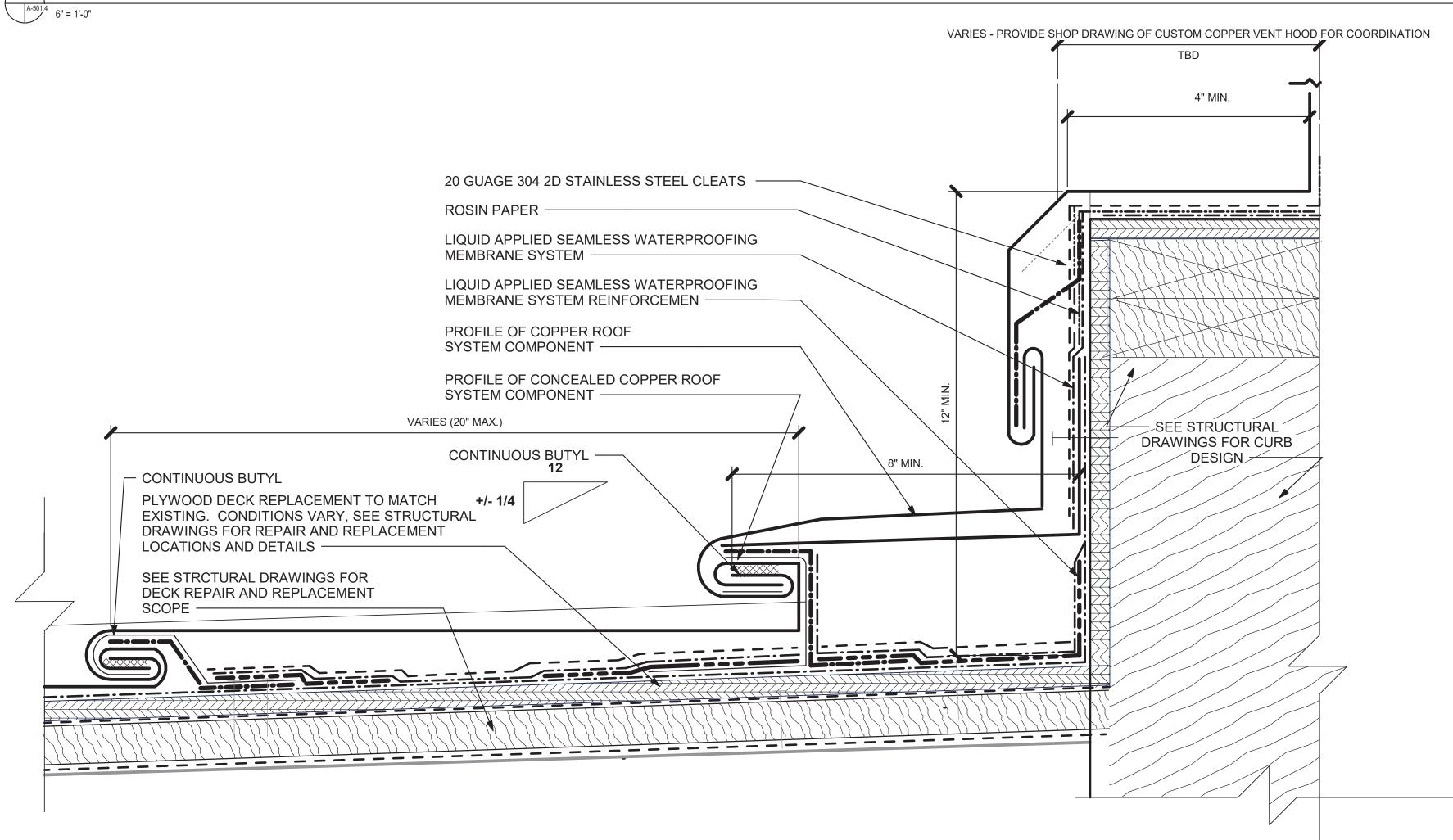
SCO#: 23-26138-01A

DESIGNED BY: SENIOR REVIEW:

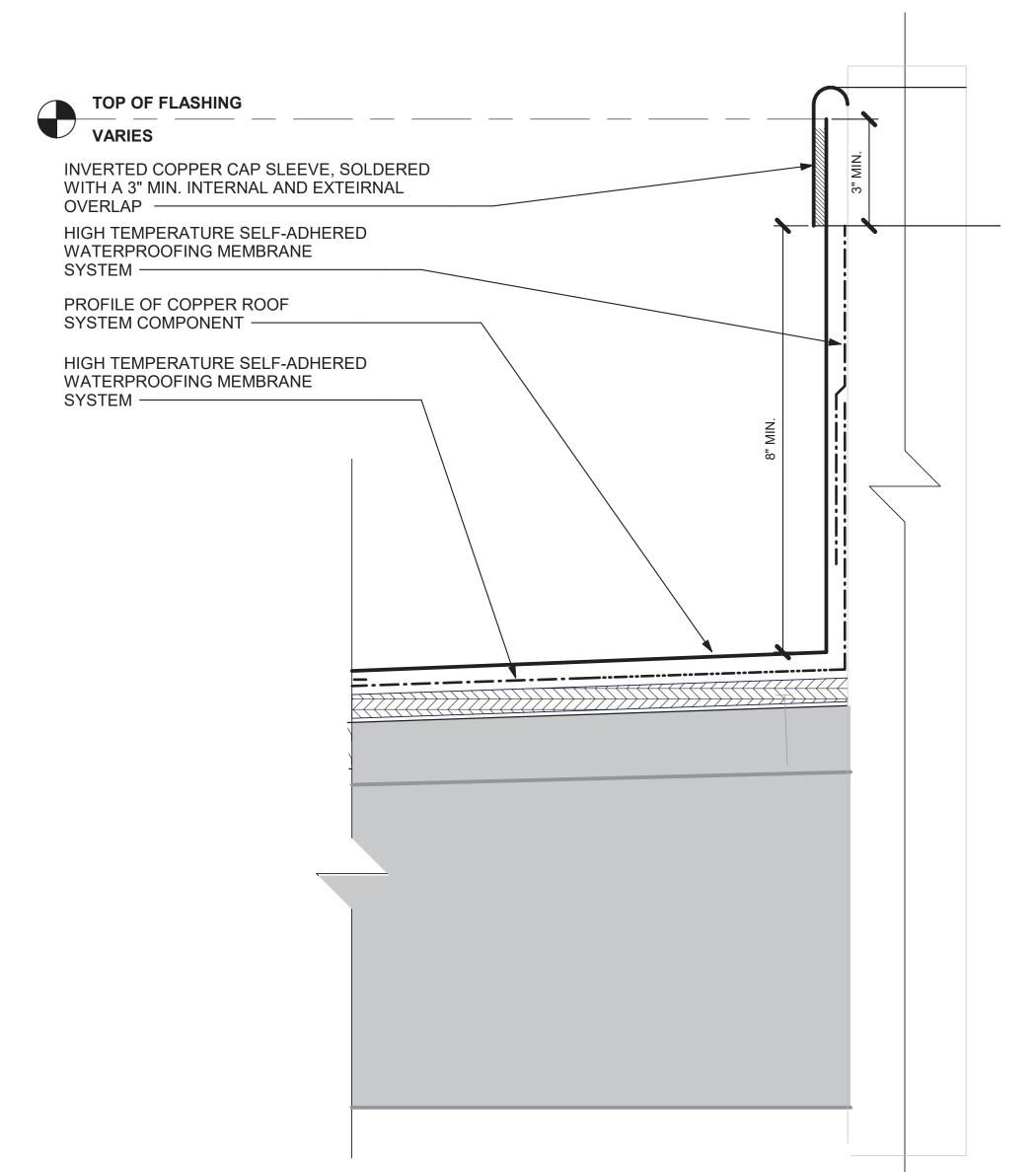
ROOF TYPE 1 AND 2 -TYPICAL DETAILS

A-501.3

PROJ. NO. RAL1188.001



ROOF TYPE 1 AND 2 - TYPICAL BASE FLASHING AT PENETRATION CURB WITH LIQUID APPLIED WATERPROOFING SYSTEM A-105 A-501.4 6" = 1'-0"



ROOF TYPE 1 AND 2 - TYPICAL BASE FLASHING AT PIPE PENETRATION AT LOCATION WHERE SLOPE IS LESS THAN 3" ON 12"

ROOF DETAIL LEGEND

LOCATION

FASTENER, SIZE AND TYPE VARY PER LOCATION AND APPLICATION. SEE STRUTURAL ENGINEERING DRAWINGS FOR REQUIREMENTS AND DETAILS

ELEVATION NOTE PROFILE BEYOND OF COPPER ROOF SYSTEM

COMPONENT COPPER SEAM PROFILE CONCEALED

PROFILE OF COPPER ROOF SYSTEM

PROFILE OF CONCEALED COPPER ROOF SYSTEM COMPONENT

SOLDERED CONNECTION OUTLINE OF CONCEALED CLIP IN STANDING SEAM

---- ROSIN PAPER #30 FELT PAPER

LIQUID APPLIED SEAMLESS WATERPROOFING LIQUID APPLIED SEAMLESS WATERPROOFING

SEALANT PER MEMBRANE MANUFACTURER'S REQUIREMENTS

20 GUAGE 304 2D STAINLESS STEEL CLEATS

THICKNESS VARIES BY LOCATION FROM 1/2" TO 3/4" EXISTING PLYWOOD DECK TO REMAIN, THICKNESS $\longrightarrow\longrightarrow\longrightarrow\longrightarrow\longrightarrow\longrightarrow$ VARIES BY LOCATION FROM 1/2" TO 3/4"

PLYWOOD DECK REPLACEMENT TO MATCH EXISTING.

SYSTEM REINFORCEMENT DETAIL

NEW WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES. SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL **ENGINEERING DRAWINGS FOR ADDITIONAL** REQUIREMENTS

WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES. SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

REINFORCE CONCRETE SUBSTRATE TO BE SLOPED TO ROOF DRAINS AND TAPERED AT CORNICE AND ROOF TERMINATION TO CREATE A BOX GUTTER. PREPARE AS REQUIRED FOR FULLY ADHERED LIQUID-APPLIED SEAMLES WATERPROFING MEMBRANE SYSTEM

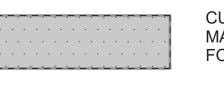
EXISTING WOOD BLOCKING AND FRAMING TO REMAIN. SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

SHIM AS REQUIRED, SEE STRUCTURAL ENGINEERING DRAWINGS FOR SCOPE AND REPAIR REQUIREMENTS EXISTING STRUCTURE TO REMAIN FRAMING TO REMAIN,

AND REPAIR REQUIREMENTS

EXISTING STRUCTURAL WOOD FRAMING TO REMAIN, SEE STRUTURAL ENGINEERING DRAWINGS ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

SEE STRUTURAL ENGINEERING DRAWINGS FOR SCOPE



CUT AND REPOINT MORTAR JOINTS AT CONCEALED MASONRY JOINTS. SEE ARCHITECTURAL ELEVATIONS FOR ADDITIONAL MASONRY REPAIR SCOPE

EXISTING MASONRY TO REMAIN

ROOF DETAIL GENERAL NOTES:

RDG-1 SEE STRUCTURAL ENGINEERING AND MEMBRANE MANUFACTURER REQUIREMENTS FOR WIND UPLIFT AND COMPETENT CLADDING PERFORMANCE DESIGN REQUIREMENTS, FASTENERS, NEW STRUCTURAL FRAMING SCOPE AND REQUIREMENTS, REPAIRS AND REPLACEMENTS TO EXISTING WOOD DECK AND FRAMING AND OTHER RELATED SCOPE.

RDG-2 EXISTING ROOF ELEMENTS ALL ROOFS TO REMAIN AND PROTECTED AND TIED INTO NEW WORK AS REQUIRED UNLESS OTHERWISE NOTED. RAISE EXISTING CURBS WITH 8" MIN. NEW BLOCKING AND ATTACHMENT TO MEET OR EXCEED DESIGN REQUIRMENTS FOR WIND UPLIFT. REPAIR EXISTING CODITION AS REQUIRED MODIFY AS REQUIRED,

EXISTING MASONRY REPAIR NOTES

EMR-1 CUT AND REPOINT EXISTING EXPOSED AND CONCEALED MASONRY JOINTS, DEPTH TO BE 2.5 TIMES THE WIDTH OF THE JOINT. SEE ARCHITECTURAL ELEVATIONS FOR MASONRY REPAIR SCOPE NOT INDICATED IN THE ROOF REPAIR AND REPLACEMENT DESIGN.

EXISTING/ORIGINAL T&G WOOD ROOF DECK AND FRAMING REPAIR NOTES:

PREVENT DAMAGE TO THE EXISTING ASSEMBLIES TO REMAIN, ALL PLYWOOD REQUIRED TO BE REMOVED AND REPLACED TO FACILITATE WORK IS REQUIRED TO BE REMOVED BY THE ENTIRE INTACT SHEET INSTALLED AT THOSE LOCATIONS, NOT CUT. PLYWOOD TO BE REPLACED IN-KIND TO BE FLUSH WITH ADJACENT SURFACES.

EW-1 ALLOWANCE: 10,000 SF OF A SINGLE LAYER OF PLYWOOD TO MATCH EXISTING. ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

WOOD DECK AND FRAMING REPLACEMENT NOTES:

FIT PLYWOOD AT ALL PENETRATIONS AND PROJECTIONS. PLYWOOD SHALL BE SECURED WITH JOINTS NO GREATER THAN 1/4". FILL ALL JOINTS AND GAPS WITH SEALANT PER MANUFACTURER REQUIREMENTS. MEMBRANE TO BE FULLY SUPPORTED, STRIP ALL PLYWOOD JOINTS WITH MANUFACTURER DETAIL REINFORCEMENT PER MANUFACTURER REQUIREMENTS.

WD-1 ALLOWANCE: 10,000 SF OF A SINGLE LAYER OF PLYWOOD REPLACEMENT DUE TO UNCOVERED DAMAGE TO EXISTING PLYWOOD. ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

RLSW LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM NOTES:

SAWM <u>SELF-ADHERED WATERPROOFING MEMBRANE SYSTEM NOTES:</u>

ROOF SUBSTRATE REPAIR AND REPLACEMENT:

#30 FELT PAPER IS BELOW ALL EXPOSED COPPER, UNLESS OTHERWISE NOTED.

RED ROSIN PAPER IS TO BE INSTALLED AS A SHEET SEPARATION BETWEEN NEW AND EXISTING SYSTEMS AND INCLUDING WOOD STUBSTRATES. MASONRY, HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT AND OTHER WATERPROOFING MEMBRANES.

RS-3 HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED 24" BEYOND STANDING SEAM ROOF TERMINATIONS, ALL ROOF PENETRATIONS AND CHANGES IN SLOPE AND ADJACENT CONSTRUCTION. RED ROSIN PAPER IS TO BE INSTALLED AS A SEPERATION SHEET BETWEEN SELF ADHERED BITUMOUS UNDERLAYMENT AND COPPER FLASHING

COPPER NOTES:

COPPER IS TO BE 20oz

C-2 STANDING SEAMS ARE TO BE DOUBLE-LOCK 1" TALL WITH BUTYL SEALANT

COPPER CLEATS ARE TO BE 2" WIDE AND ARE SPACED AT ALL SEAMS 12" MIN., UNLESS OTHERWISE NOTED

EXPANSION JOINT SPACING: VERTICAL: 15'-0 HORIZONTAL: 15'-0"

316 WEST MILLBROOK ROAD, SUITE 201 RALEIGH, NORTH CAROLINA 27609



ZEBULON, NORTH CAROLINA 25797 919.404.8330

COA# C4282, LICENSE 53143

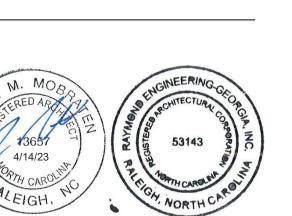


919.881.9939

3163 HERITAGE PARKWAY

ELGIN, ILLINOIS 60124 224.856.7449





DESCRIPTION

CONSTRUCTION **DOCUMENTS**

SCO#: 23-26138-01A

APRIL 14, 2023

SENIOR REVIEW:

SHEET NO.

ROOF TYPE 1 AND 2 -TYPICAL DETAILS

RAL1188.001

PROJ. NO.

A-501.4

---- ROSIN PAPER

WWW.WWW.BUYTL

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#30 FELT PAPER

CONTINUOUS

EXIST. STRUCTURAL WOOD

FRAMING TO REMAIN ——

BUTYLWITHIN SEAM —

PROFILE BEYOND OF COPPER ROOF SYSTEM

PROFILE OF CONCEALED COPPER ROOF SYSTEM

OUTLINE OF CONCEALED CLIP IN STANDING SEAM

LIQUID APPLIED SEAMLESS WATERPROOFING

LIQUID APPLIED SEAMLESS WATERPROOFING

SEALANT PER MEMBRANE MANUFACTURER'S REQUIREMENTS

PLYWOOD DECK REPLACEMENT TO MATCH EXISTING,

THICKNESS VARIES BY LOCATION FROM 1/2" TO 3/4"

EXISTING PLYWOOD DECK TO REMAIN, THICKNESS

NEW WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL

WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES

REPLACEMENT NOTES AND STRUCTURAL ENGINEERING

REINFORCE CONCRETE SUBSTRATE TO BE SLOPED TO

TERMINATION TO CREATE A BOX GUTTER. PREPARE AS

EXISTING WOOD BLOCKING AND FRAMING TO REMAIN,

SEE WOOD REPAIR AND REPLACEMENT NOTES AND

SHIM AS REQUIRED, SEE STRUCTURAL ENGINEERING

DRAWINGS FOR SCOPE AND REPAIR REQUIREMENTS

EXISTING STRUCTURE TO REMAIN FRAMING TO REMAIN,

SEE STRUTURAL ENGINEERING DRAWINGS FOR SCOPE

EXISTING STRUCTURAL WOOD FRAMING TO REMAIN,

CUT AND REPOINT MORTAR JOINTS AT CONCEALED

MASONRY JOINTS. SEE ARCHITECTURAL ELEVATIONS

SEE STRUTURAL ENGINEERING DRAWINGS ADDITIONAL

ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

ROOF DRAINS AND TAPERED AT CORNICE AND ROOF

REQUIRED FOR FULLY ADHERED LIQUID-APPLIED

SEAMLES WATERPROFING MEMBRANE SYSTEM

STRUCTURAL ENGINEERING DRAWINGS FOR

AND REPAIR REQUIREMENTS

SCOPE AND REPAIR REQUIREMENTS

EXISTING MASONRY TO REMAIN

FOR ADDITIONAL MASONRY REPAIR SCOPE

AND PERFORMANCE TYPES, SEE WOOD REPAIR AND

DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR

VARIES BY LOCATION FROM 1/2" TO 3/4"

ENGINEERING DRAWINGS FOR ADDITIONAL

REQUIREMENTS

REQUIREMENTS

COPPER SEAM PROFILE CONCEALED

PROFILE OF COPPER ROOF SYSTEM

COMPONENT

COMPONENT

COMPONENT

SOLDERED CONNECTION

SYSTEM REINFORCEMENT DETAIL

20 GUAGE 304 2D STAINLESS STEEL CLEATS

ROOF DETAIL GENERAL NOTES:

RDG-1 SEE STRUCTURAL ENGINEERING AND MEMBRANE MANUFACTURER REQUIREMENTS FOR WIND UPLIFT AND COMPETENT CLADDING PERFORMANCE DESIGN REQUIREMENTS, FASTENERS, NEW STRUCTURAL FRAMING SCOPE AND REQUIREMENTS, REPAIRS AND REPLACEMENTS TO EXISTING WOOD DECK AND FRAMING AND OTHER RELATED SCOPE.

RDG-2 EXISTING ROOF ELEMENTS ALL ROOFS TO REMAIN AND PROTECTED AND TIED INTO NEW WORK AS REQUIRED UNLESS OTHERWISE NOTED. RAISE EXISTING CURBS WITH 8" MIN. NEW BLOCKING AND ATTACHMENT TO MEET OR EXCEED DESIGN REQUIRMENTS FOR WIND UPLIFT. REPAIR EXISTING CODITION AS REQUIRED MODIFY AS REQUIRED,

EXISTING MASONRY REPAIR NOTES:

EMR-1 CUT AND REPOINT EXISTING EXPOSED AND CONCEALED MASONRY JOINTS, DEPTH TO BE 2.5 TIMES THE WIDTH OF THE JOINT. SEE ARCHITECTURAL ELEVATIONS FOR MASONRY REPAIR SCOPE NOT INDICATED IN THE ROOF REPAIR AND REPLACEMENT DESIGN.

EXISTING/ORIGINAL T&G WOOD ROOF DECK AND FRAMING REPAIR NOTES:

PREVENT DAMAGE TO THE EXISTING ASSEMBLIES TO REMAIN, ALL PLYWOOD REQUIRED TO BE REMOVED AND REPLACED TO FACILITATE WORK IS REQUIRED TO BE REMOVED BY THE ENTIRE INTACT SHEET INSTALLED AT THOSE LOCATIONS, NOT CUT. PLYWOOD TO BE REPLACED IN-KIND TO BE FLUSH WITH ADJACENT SURFACES.

EW-1 ALLOWANCE: 10,000 SF OF A SINGLE LAYER OF PLYWOOD TO MATCH EXISTING. ASSUME THICKNESS RANGE FROM 3/8" TO 3/4" FOR A SINGLE LAYER.

WD WOOD DECK AND FRAMING REPLACEMENT NOTES:

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RLSW <u>LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM NOTES:</u>

SAWM <u>SELF-ADHERED WATERPROOFING MEMBRANE SYSTEM NOTES:</u>

RS ROOF SUBSTRATE REPAIR AND REPLACEMENT

RS-1 #30 FELT PAPER IS BELOW ALL EXPOSED COPPER, UNLESS OTHERWISE NOTED

RS-2 RED ROSIN PAPER IS TO BE INSTALLED AS A SHEET SEPARATION BETWEEN NEW AND EXISTING SYSTEMS AND INCLUDING WOOD STUBSTRATES, MASONRY, HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT AND OTHER WATERPROOFING MEMBRANES.

RS-3 HIGH TEMPERATIRE SELF-ADHERED BITUMOUS UNDERLAYMENT IS TO BE INSTALLED 24" BEYOND STANDING SEAM ROOF TERMINATIONS, ALL ROOF PENETRATIONS AND CHANGES IN SLOPE AND ADJACENT CONSTRUCTION. RED ROSIN PAPER IS TO BE INSTALLED AS A SEPERATION SHEET BETWEEN SELF ADHERED BITUMOUS UNDERLAYMENT AND COPPER FLASHING

C COPPER NOTES:

C-1 COPPER IS TO BE 20oz

C-2 STANDING SEAMS ARE TO BE DOUBLE-LOCK 1" TALL WITH BUTYL SEALANT

C-3 COPPER CLEATS ARE TO BE 2" WIDE AND ARE SPACED AT ALL SEAMS 12" MIN., UNLESS OTHERWISE NOTED

C-4 EXPANSION JOINT SPACING: VERTICAL: 15'-0 HORIZONTAL: 15'-0" RAYMOND

316 WEST MILLBROOK ROAD, SUITE 201
RALEIGH, NORTH CAROLINA 27609
919.872.7866

MUTER CONSTRUCTION

111 EAST VANCE STREET

ZEBULON, NORTH CAROLINA 25797 919.404.8330

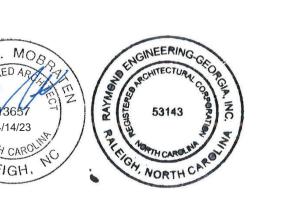
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919.881.9939

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3163 HERITAGE PARKWAY
ELGIN, ILLINOIS 60124
224.856.7449



STORATION OF THE NORTH CAROLINA STATE CAPITOL BUILDING

EET ISSUE:

D. DATE DESCRIPTION

CONSTRUCTION DOCUMENTS APRIL 14, 2023

SCO#: 23-26138-01A

DESIGNED BY: SENIOR REVIEW: DRAWN BY:

ROOF TYPE 2A -TYPICAL DETAILS

SHEET NO. PROJ. NO. RAL1188.001

A-502.1

EXISTING MASONRY TO REMAIN

316 WEST MILLBROOK ROAD, SUITE 201 RALEIGH, NORTH CAROLINA 27609

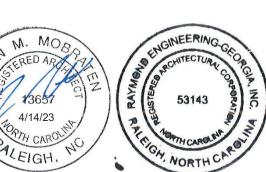
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919.404.8330

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DESCRIPTION

CONSTRUCTION **DOCUMENTS APRIL 14, 2023**

SCO#: 23-26138-01A

SENIOR REVIEW: DRAWN BY:

ROOF TYPE 2B -TYPICAL DETAILS

PROJ. NO.

ROOF TYPE 3 - TYPICAL FLAT SEAM DETAILS AT HORIZONTAL SEAM ELEVATION "C"

ROSIN PAPER ————



MUTER CONSTRUCTION

111 EAST VANCE STREET

COA# C4282, LICENSE 53143

Dewberry

2610 WYCLIFF ROAD, SUITE 410
RALEIGH, NORTH CAROLINA 27607

919.881.9939

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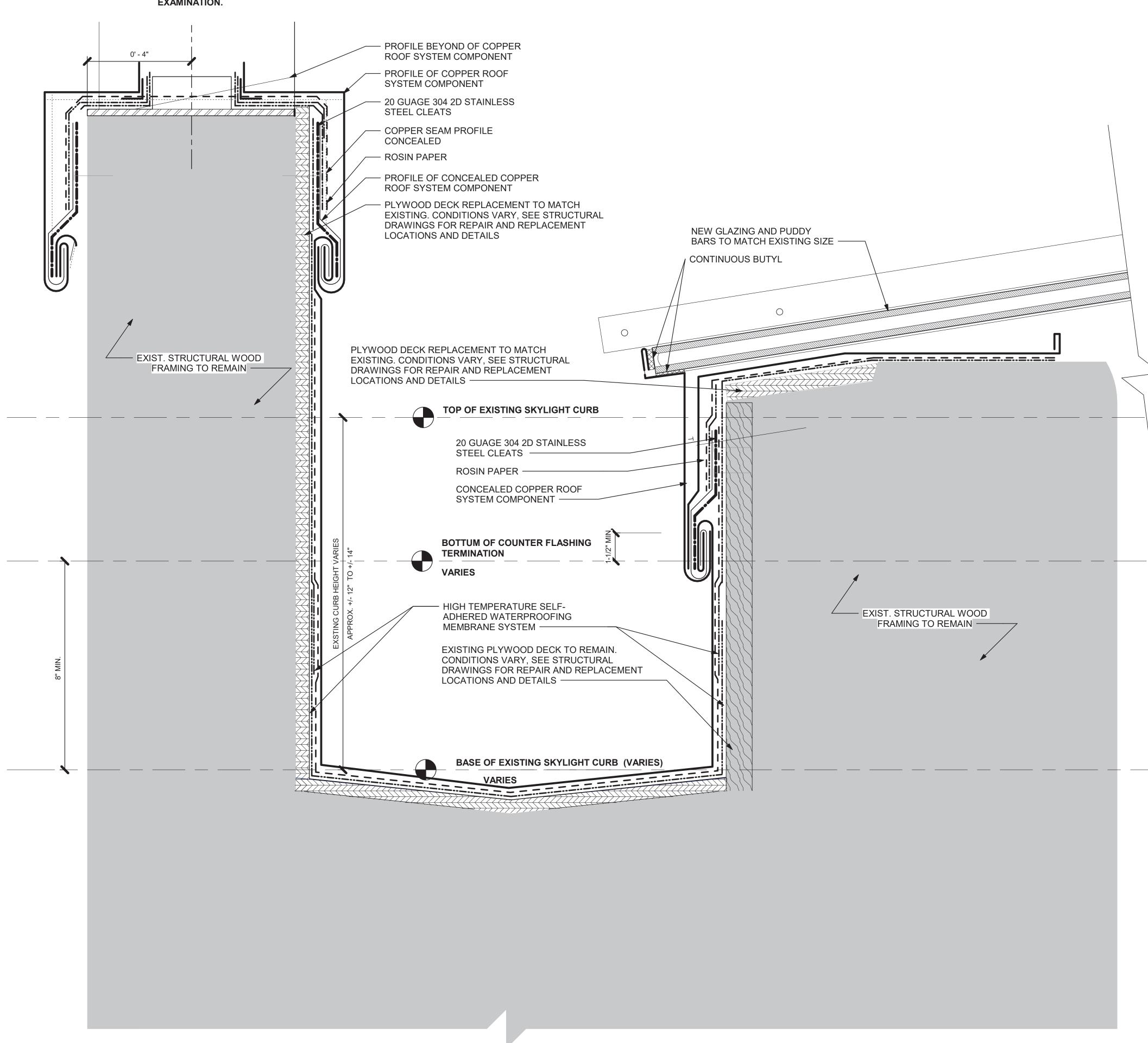
> SCO#: 23-26138-01*A*

DESIGNED BY: SENIOR REVIEW: DRAWN BY:

ROOF TYPE 3 -TYPICAL DETAILS

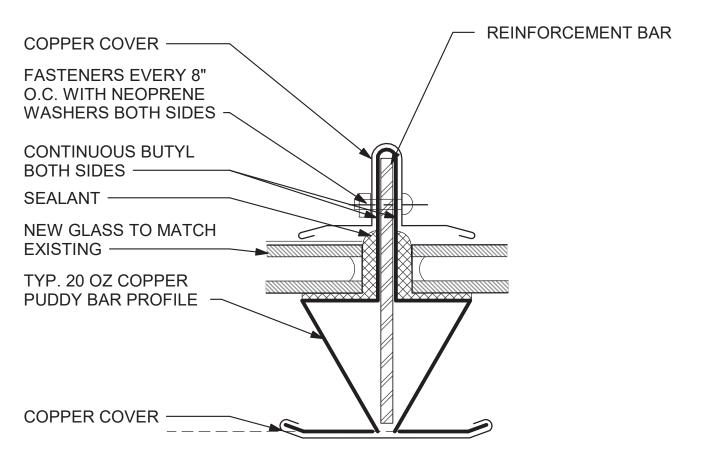
SHEET NO. PROJ. NO. RAL1188.001

A-503

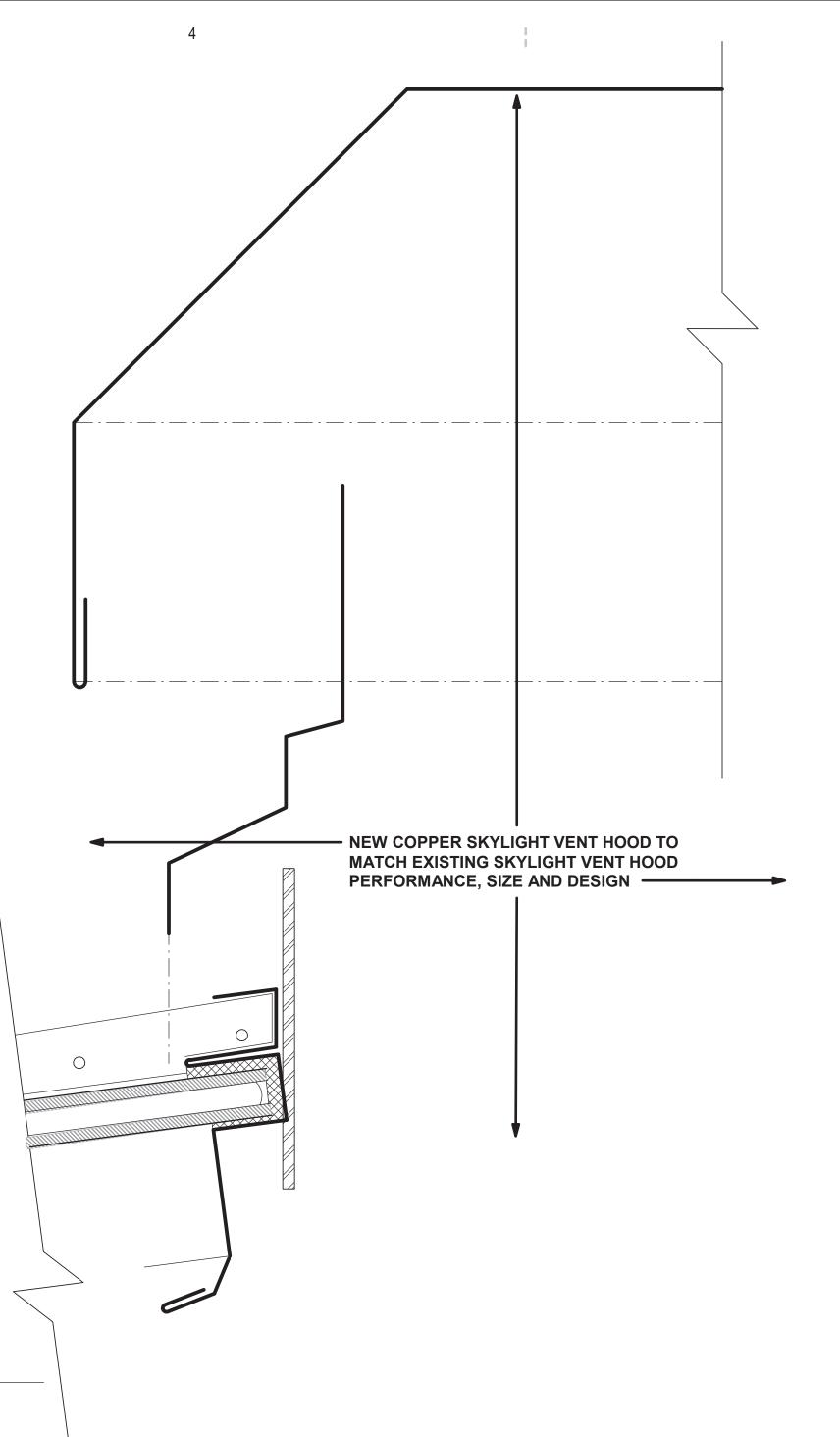


ROOF TYPE 4 - PARAPET, INTERNAL GUTTER AND SKYLIGHT DETAIL

A-105 A-504 6" = 1'-0"



ROOF TYPE 4- TYPICAL SKYLIGHT PUDDY BAR



ROOF DETAIL LEGEND

FASTENER, SIZE AND TYPE VARY PER LOCATION AND APPLICATION. SEE STRUTURAL ENGINEERING DRAWINGS FOR REQUIREMENTS AND DETAILS

ELEVATION NOTE PROFILE BEYOND OF COPPER ROOF SYSTEM

COPPER SEAM PROFILE CONCEALED PROFILE OF COPPER ROOF SYSTEM COMPONENT

PROFILE OF CONCEALED COPPER ROOF SYSTEM COMPONENT

OUTLINE OF CONCEALED CLIP IN STANDING SEAM

SOLDERED CONNECTION

---- ROSIN PAPER

#30 FELT PAPER

LIQUID APPLIED SEAMLESS WATERPROOFING _._..

LIQUID APPLIED SEAMLESS WATERPROOFING SYSTEM REINFORCEMENT DETAIL SEALANT PER MEMBRANE MANUFACTURER'S REQUIREMENTS

20 GUAGE 304 2D STAINLESS STEEL CLEATS

PLYWOOD DECK REPLACEMENT TO MATCH EXISTING, THICKNESS VARIES BY LOCATION FROM 1/2" TO 3/4"

EXISTING PLYWOOD DECK TO REMAIN, THICKNESS $\longrightarrow\longrightarrow\longrightarrow\longrightarrow\longrightarrow\longrightarrow$ VARIES BY LOCATION FROM 1/2" TO 3/4"

NEW WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL REQUIREMENTS

WOOD BLOCKING AND FRAMING IN CUSTOM PROFILES AND PERFORMANCE TYPES, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

REINFORCE CONCRETE SUBSTRATE TO BE SLOPED TO ROOF DRAINS AND TAPERED AT CORNICE AND ROOF TERMINATION TO CREATE A BOX GUTTER, PREPARE AS REQUIRED FOR FULLY ADHERED LIQUID-APPLIED SEAMLES WATERPROFING MEMBRANE SYSTEM

EXISTING WOOD BLOCKING AND FRAMING TO REMAIN, SEE WOOD REPAIR AND REPLACEMENT NOTES AND STRUCTURAL ENGINEERING DRAWINGS FOR ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

AND REPAIR REQUIREMENTS

SHIM AS REQUIRED, SEE STRUCTURAL ENGINEERING DRAWINGS FOR SCOPE AND REPAIR REQUIREMENTS EXISTING STRUCTURE TO REMAIN FRAMING TO REMAIN,

SEE STRUTURAL ENGINEERING DRAWINGS FOR SCOPE

EXISTING STRUCTURAL WOOD FRAMING TO REMAIN, SEE STRUTURAL ENGINEERING DRAWINGS ADDITIONAL SCOPE AND REPAIR REQUIREMENTS

CUT AND REPOINT MORTAR JOINTS AT CONCEALED MASONRY JOINTS. SEE ARCHITECTURAL ELEVATIONS

FOR ADDITIONAL MASONRY REPAIR SCOPE

EXISTING MASONRY TO REMAIN



RDG-1 SEE STRUCTURAL ENGINEERING AND MEMBRANE MANUFACTURER REQUIREMENTS FOR WIND UPLIFT AND COMPETENT CLADDING PERFORMANCE DESIGN REQUIREMENTS, FASTENERS, NEW STRUCTURAL FRAMING SCOPE AND REQUIREMENTS, REPAIRS AND REPLACEMENTS TO EXISTING WOOD DECK AND FRAMING AND OTHER RELATED SCOPE.

RDG-2 EXISTING ROOF ELEMENTS ALL ROOFS TO REMAIN AND PROTECTED AND TIED INTO NEW WORK AS REQUIRED UNLESS OTHERWISE NOTED. RAISE EXISTING CURBS WITH 8" MIN. NEW BLOCKING AND ATTACHMENT TO MEET OR EXCEED DESIGN REQUIRMENTS FOR WIND UPLIFT. REPAIR EXISTING CODITION AS REQUIRED MODIFY AS REQUIRED,

EXISTING MASONRY REPAIR NOTES:

EMR-1 CUT AND REPOINT EXISTING EXPOSED AND CONCEALED MASONRY JOINTS, DEPTH TO BE 2.5 TIMES THE WIDTH OF THE JOINT. SEE ARCHITECTURAL ELEVATIONS FOR MASONRY REPAIR SCOPE NOT INDICATED IN THE ROOF REPAIR AND REPLACEMENT DESIGN.

EXISTING/ORIGINAL T&G WOOD ROOF DECK AND FRAMING REPAIR NOTES:

EW-1 PREVENT DAMAGE TO THE EXISTING ASSEMBLIES TO REMAIN, ALL PLYWOOD REQUIRED TO BE REMOVED AND REPLACED TO FACILITATE WORK IS REQUIRED TO BE REMOVED BY THE ENTIRE INTACT SHEET INSTALLED AT THOSE LOCATIONS, NOT CUT. PLYWOOD TO BE REPLACED IN-KIND TO BE FLUSH WITH ADJACENT SURFACES.

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WOOD DECK AND FRAMING REPLACEMENT NOTES:

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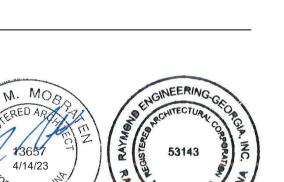
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ROOF TYPE 4 -TYPICAL SECTIONS AND DETAILS

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