

BUILDING ENVELOPE REPAIRS

TROOP D - CRIME LAB

SPRINGFIELD, MO

1

A4

SECTION NO.
SHEET NO.

12

A7

ELEV. NO.
SHEET NO.

13

A5

DETAIL NO.
SHEET NO.

EX

APPROX.

L.F.

GYP.

EX

EXISTING

APPROXIMATE

LINEAL FOOT

GYPSUM

SECTION MARK

INTERIOR ELEV.

DETAIL MARK

DOOR SCHEDULE
NEW DOOR

DOOR SCHEDULE
EXISTING DOOR

EXISTING WALL

NEW WALL CONST.

REF. TO NOTE

LIBRARY

100

EX

EX

EX

ROOM NAME

ROOM NUMBER

CEILING FINISH

CEILING HEIGHT

FLOOR FINISH

ESTERLY

SCHNEIDER

ASSOCIATES, INC.

AIA

&

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COMM. # 4925

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CERTIFICATE OF AUTHORITY # 000718

SHEET INDEX	
SHEET NO.	DESCRIPTION
G-001	COVER SHEET
A-1	FLOOR PLAN
A-2	ELEVATIONS
A-3	ROOF PLAN
A-4	ROOF DETAILS

OWNER:

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

DEPARTMENT OF
DEPARTMENT OF PUBLIC SAFETY
MISSOURI STATE HIGHWAY PATROL

DESIGNER:

ESTERLY, SCHNEIDER &
ASSOCIATES, INC., AIA

PROJECT NUMBER:

R2516-01

PROJECT
MANAGEMENT:

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

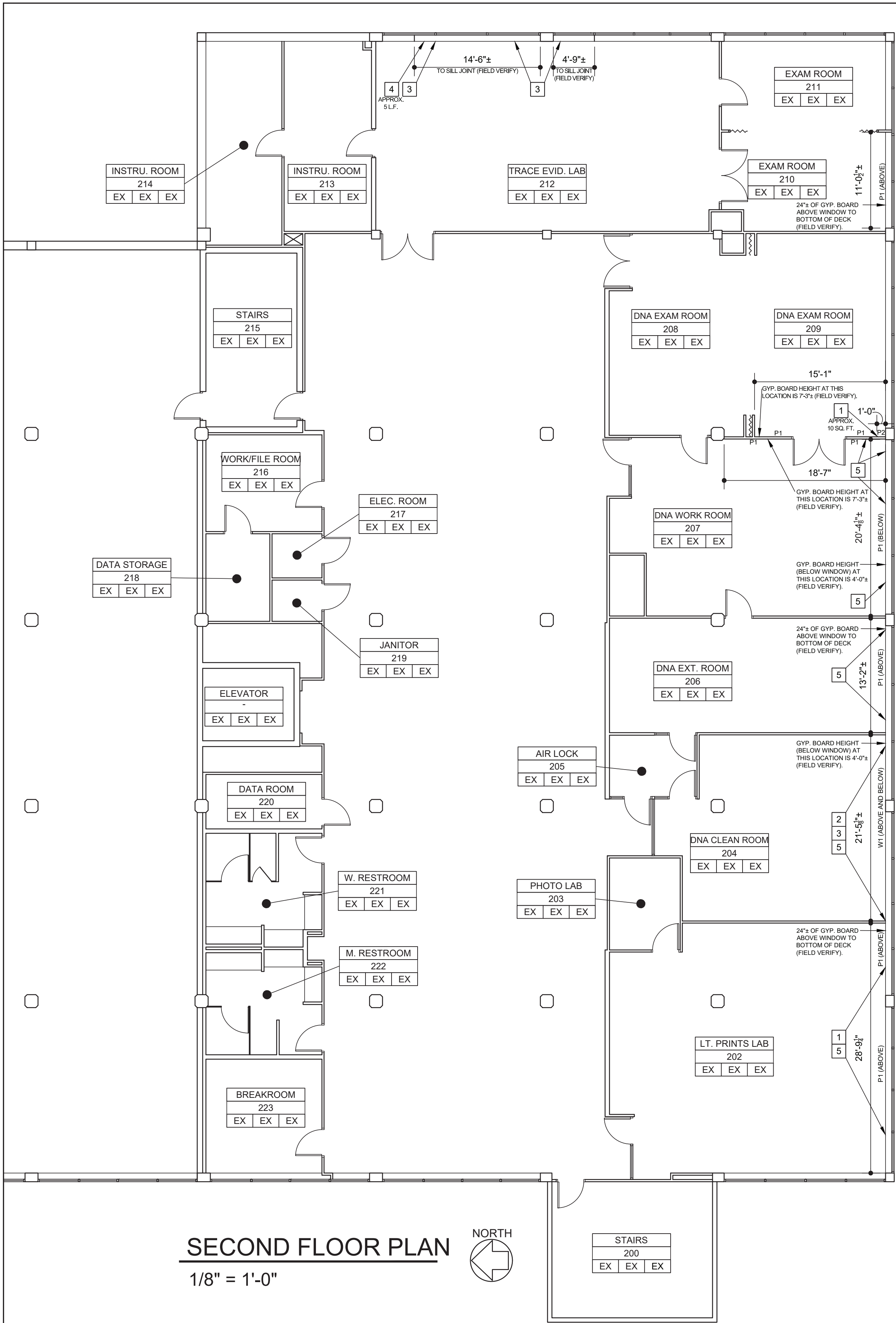
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FACILITY NUMBER:

6022
8136022002

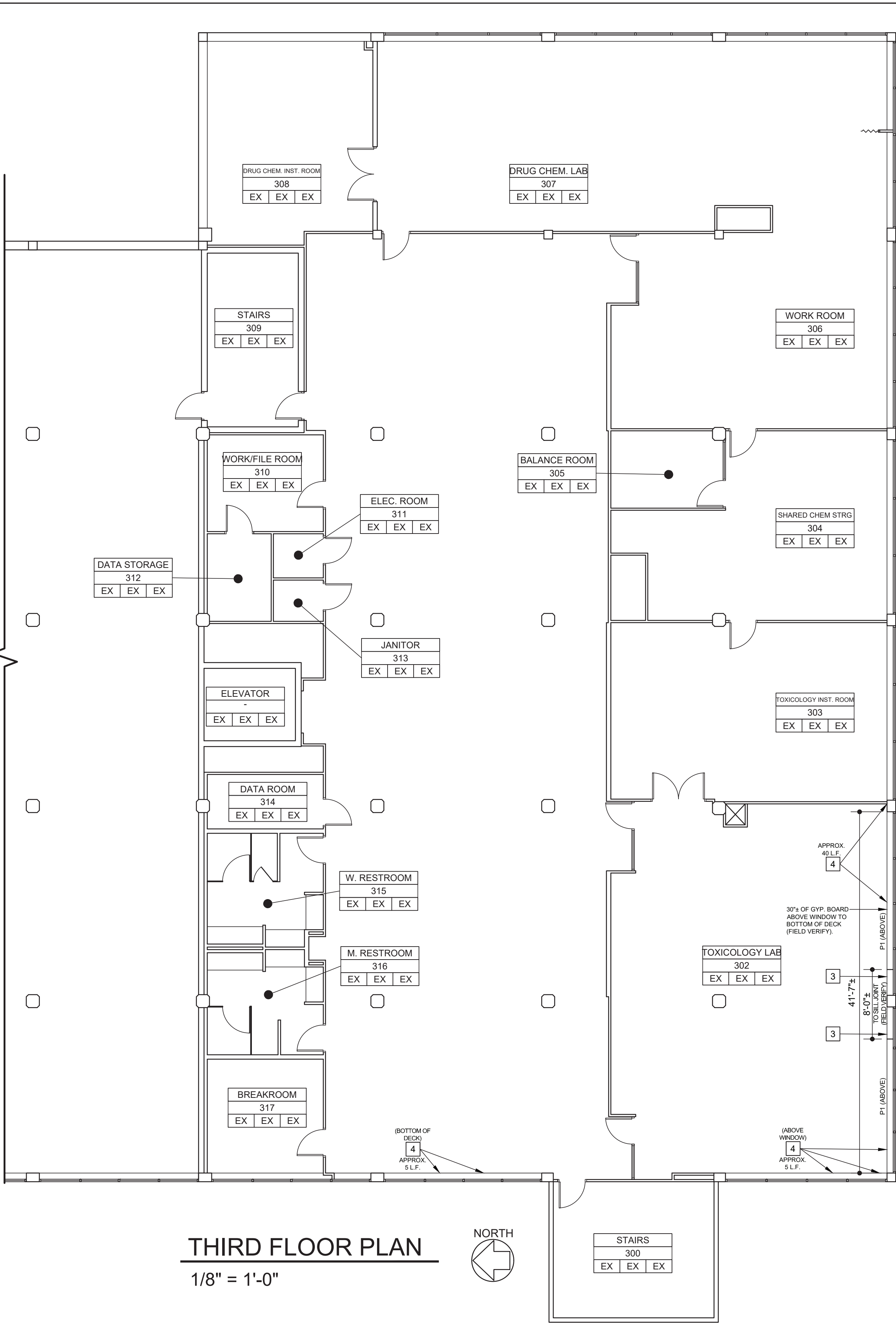
SHEET NUMBER:

G-001

1 OF 5 SHEETS
1/5/26



SECOND FLOOR PLAN
1/8" = 1'-0"



THIRD FLOOR PLAN
1/8" = 1'-0"

KEY NOTES:

- 1 REMOVE AND DISCARD PORTION OF WATER DAMAGED GYPSUM BOARD. REPLACE WITH NEW GYPSUM BOARD. TAPE, SAND AND PREPARE FOR PAINT. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 2 REMOVE AND DISCARD EXISTING WALL COVERING. CLEAN PATCH AND REPAIR WALL AS NEEDED. PREPARE FOR NEW WALL COVERING. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 3 REMOVE AND DISCARD EXISTING WATER DAMAGED WINDOW SILL. PROVIDE AND INSTALL NEW PLASTIC LAMINATE COVERED SILL. (FIELD VERIFY TO MATCH EXISTING). REFER TO DETAIL 1 OF A1 FOR ADDITIONAL INFORMATION.
- 4 CLEAN CRACK IN EXISTING CONCRETE. PROVIDE AND INSTALL CAULK AND BACKER ROD (SEE SPEC.). EXTENTS OF WORK AS INDICATED (IN LINEAL FEET) ABOVE OR BELOW THE KEY NOTE AT EACH LOCATION.
- 5 SCRAPE LOOSE PAINT. PATCH AND REPAIR WALL AS NEEDED. PREPARE FOR NEW PAINT. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

FINISH SCHEDULE:

NOTE : CONTRACTOR SHALL FIELD VERIFY THE CONDITION OF ALL WALLS AND THE EXTENT OF DAMAGE PRIOR TO BIDDING. CONTRACTOR SHALL REPLACE GYPSUM BOARD WHERE DAMAGED. TAPE, SAND AND PREPARE FOR PAINT OR PATCH AND PREPARE TO RECEIVE PAINT.

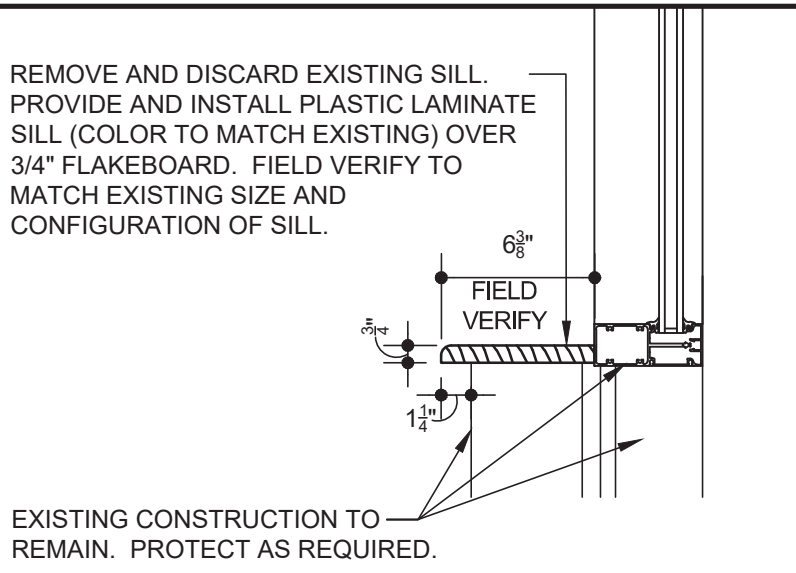
EX= EXISTING FINISH TO REMAIN - PROTECT AS REQUIRED.

BASE: B1= REMOVE AND DISCARD EXISTING VINYL BASE AT ALL WALLS SHOWN TO RECEIVE NEW PAINT BELOW EXISTING WINDOWS. PROVIDE AND INSTALL 4" VINYL COVE BASE. COLOR TO MATCH EXISTING. FIELD VERIFY BASE HEIGHT AND COLOR.

WALLS: P1 = CLEAN, PATCH AND REPAIR EXISTING WALL AS REQUIRED. PATCH AND REPAIR GYPSUM BOARD PRIOR TO PAINTING. PAINT IPS-11 (SEE SPEC). COLOR TO MATCH EXISTING.

P2 = 5/8" GYPSUM BOARD OVER EXISTING FRAMING (FIELD VERIFY GYPSUM BOARD THICKNESS). PAINT IPS-11 (SEE SPEC). COLOR TO MATCH EXISTING.

W1 = CLEAN, PATCH AND REPAIR EXISTING WALL AS REQUIRED. PATCH AND REPAIR GYPSUM BOARD AND PREPARE FOR NEW WALL COVERING. PROVIDE AND INSTALL NEW WALL COVERING EQUAL TO DESIGN GALLERY COLLECTION BY MCD INTERIOR SOLUTIONS (SEE SPEC). COLOR TO BE SELECTED BY ARCHITECT/OWNER



SILL DETAIL
1-1/2" = 1'-0"

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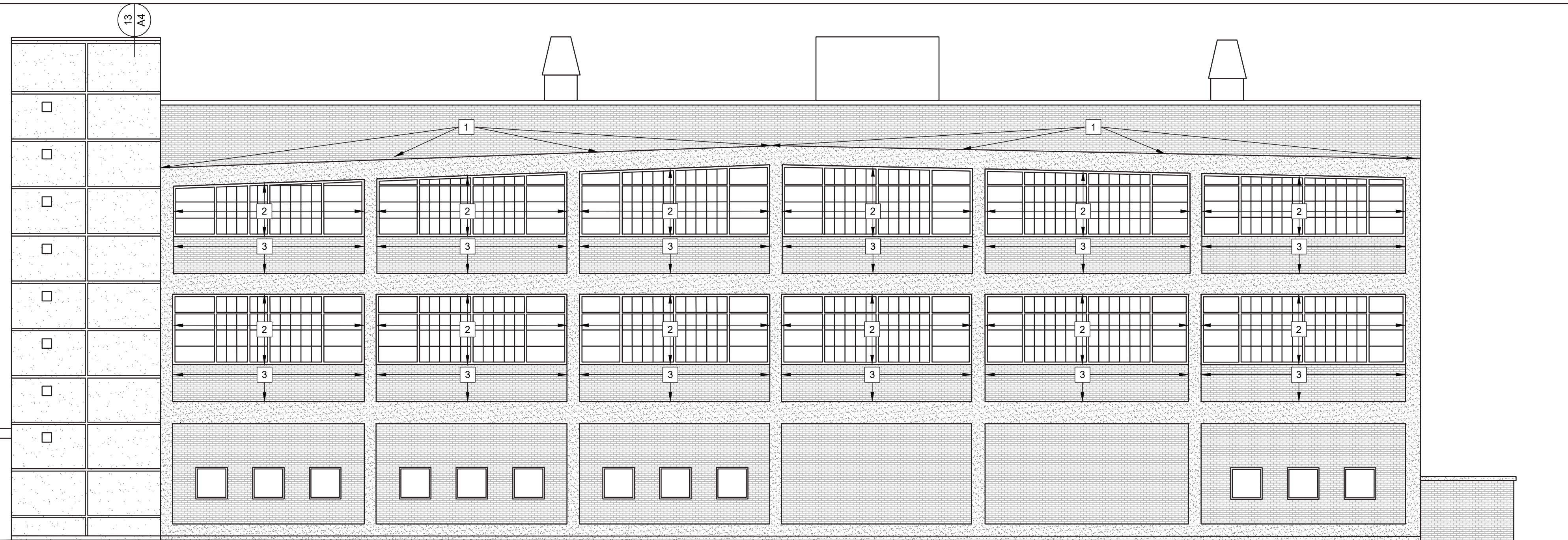
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FLOOR PLAN

SHEET NUMBER:

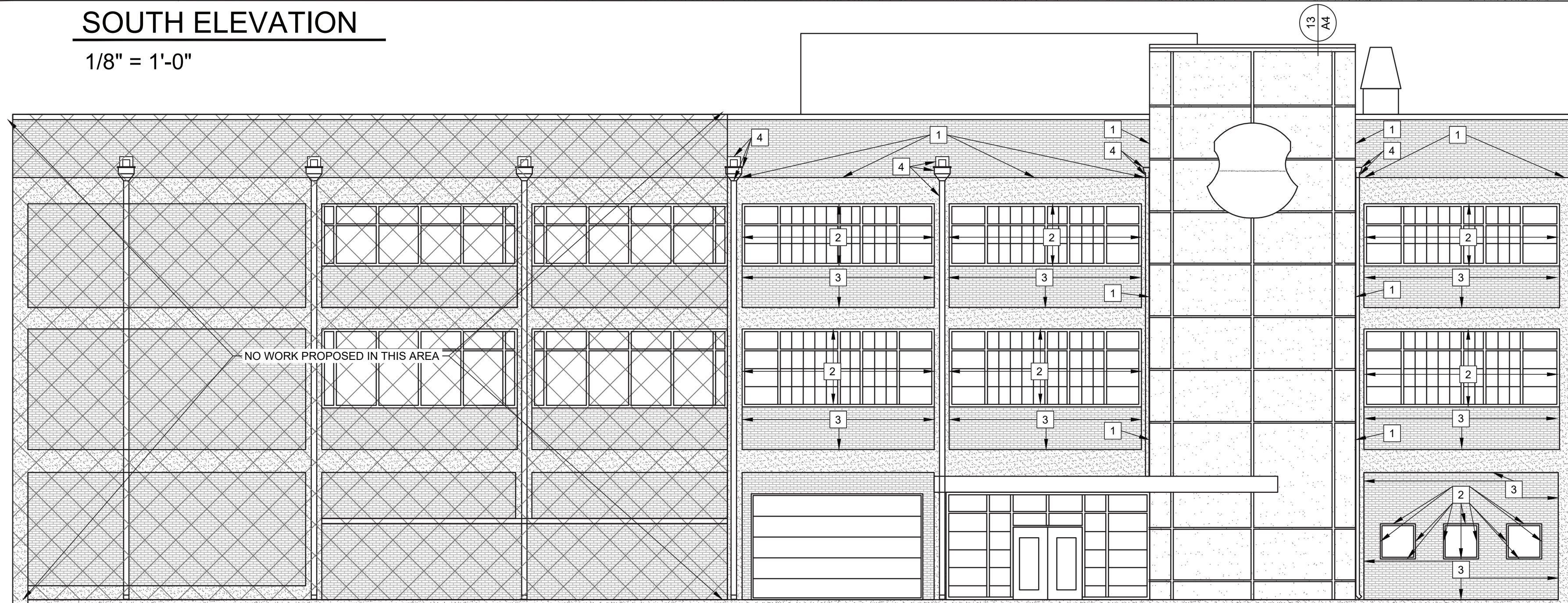
A-1

2 OF 5 SHEETS
1/5/26



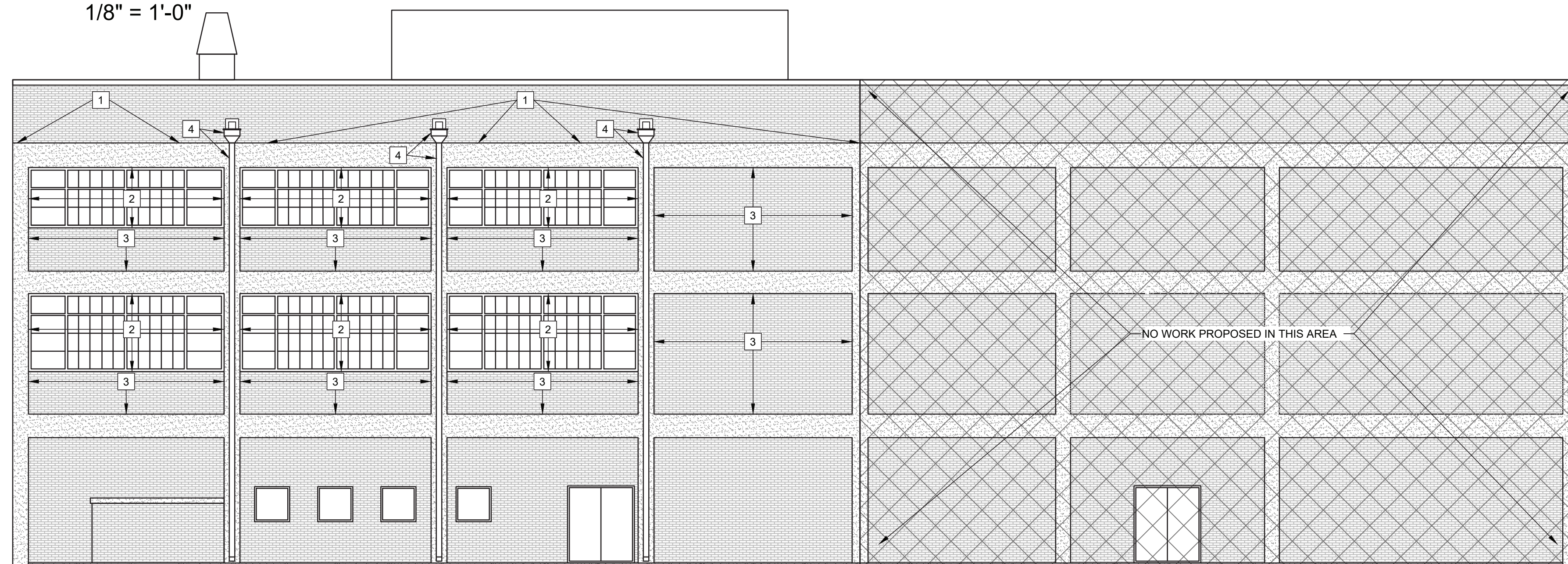
SOUTH ELEVATION

1/8" = 1'-0"



WEST ELEVATION

1/8" = 1'-0"



EAST ELEVATION

1/8" = 1'-0"

GENERAL NOTES:

- CAULK COLOR TO SELECTED BY ARCHITECT - TO MATCH ADJACENT CONSTRUCTION. IN-FIELD SAMPLE WILL BE REQUIRED PRIOR TO CAULK INSTALLATION.
- APPROXIMATE TOTAL OF CAULKING: 2,100 L.F.
- APPROXIMATE TOTAL OF BACKER ROD: 1,760 L.F.

KEY NOTES:

- AT THE BOTTOM OF THE FLASHING, BETWEEN THE EXISTING BRICK AND CONCRETE BEAMS, REMOVE AND DISCARD EXISTING REMAINING CAULK. CLEAN AND CLEAR ANY DEBRIS FROM JOINT. PROVIDE AND INSTALL NEW CAULK. (SEE SPEC.)
- AT WINDOW HEAD, JAMBS AND SILL, REMOVE AND DISCARD EXISTING REMAINING CAULK. CLEAN AND CLEAR ANY DEBRIS FROM THE JOINTS. PROVIDE AND INSTALL NEW CAULK AND BACKER ROD. (SEE SPEC.)
- AT JOINTS BETWEEN MASONRY AND CONCRETE, REMOVE AND DISCARD EXISTING REMAINING CAULK. CLEAN AND CLEAR ANY DEBRIS FROM THE JOINTS. PROVIDE AND INSTALL NEW CAULK AND BACKER ROD. (SEE SPEC.)
- REMOVE AND DISCARD EXISTING SCUPPER, CONDUCTOR HEAD AND DOWNSPOUT TO REMAIN (PROTECT AS REQUIRED). REPLACE SCUPPER AS SHOWN ON ROOF PLAN AND DETAILS. COLOR TO MATCH EXISTING. REFER TO SHEETS A3 AND A4 FOR ADDITIONAL INFORMATION.

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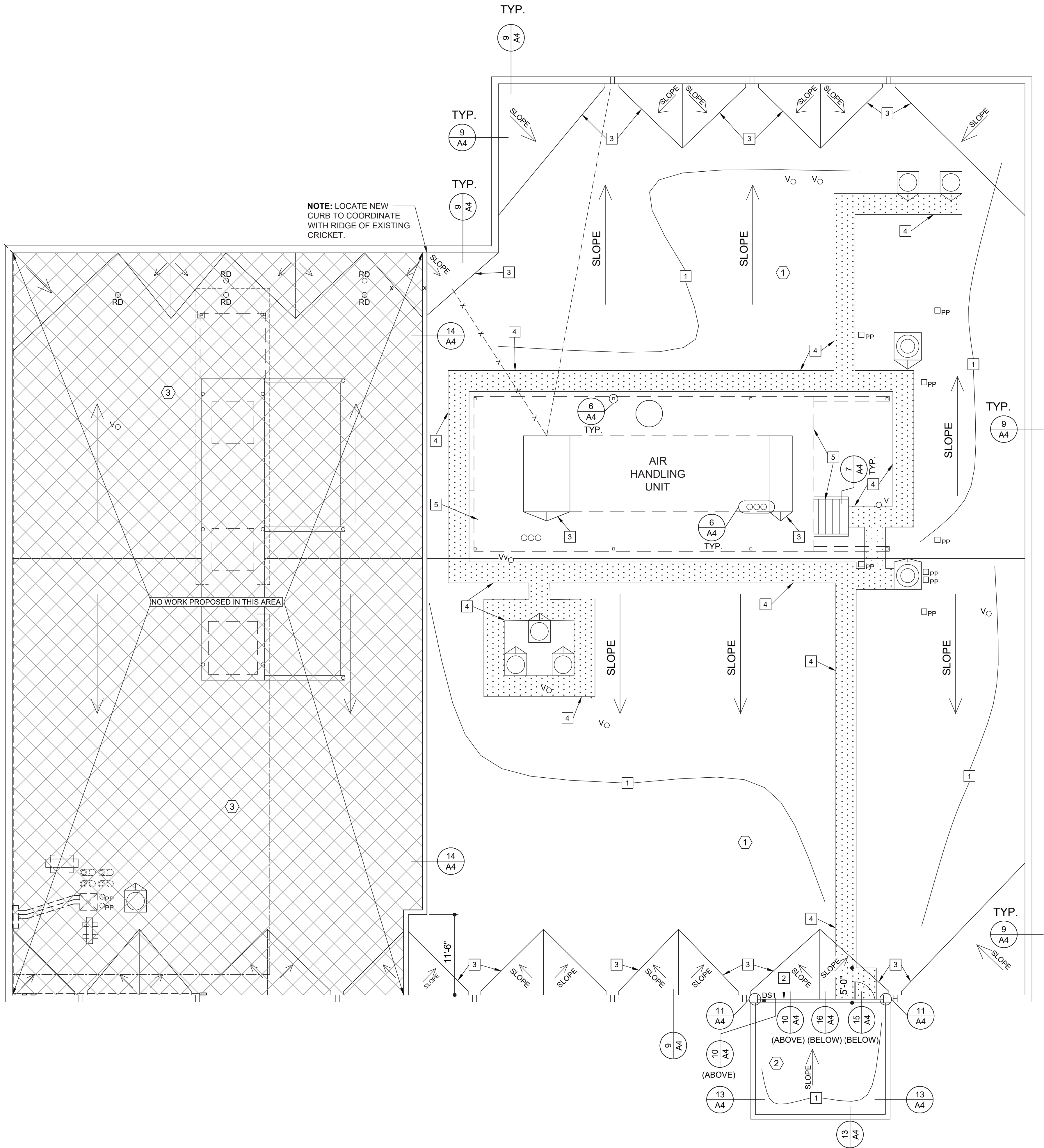
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SHEET TITLE:
ELEVATIONS

SHEET NUMBER:

A-2

3 OF 5 SHEETS
1/5/26



ROOF PLAN

1/8" = 1'-0"



SYMBOL INDEX

- NO WORK TO BE DONE AT SHADED AREA
- REFER TO NOTE
- ROOF DESIGNATION NUMBER
- DETAIL NUMBER
SHEET NUMBER
- REMOVE AND DISCARD EXISTING PENETRATION FLASHING. PROVIDE AND INSTALL NEW PENETRATION FLASHING. SEE DETAIL 7 OF A4.
- REMOVE AND DISCARD EXISTING CONDENSATE PIPE FROM RTU ABOVE ROOF (EXISTING LOCATION SHOWN BY LINE TYPE - - - - -). PROVIDE AND INSTALL NEW 1" DIA. PVC PIPE AT - - - - - X - - - - - NEW ROUTE SHOWN (FIELD VERIFY TO MATCH EXISTING SIZE). PROVIDE AND INSTALL ADJUSTABLE NYLON ROLLER SUPPORTS AT 4'-0" O.C. PER DETAIL 4 OF A4.
- EXISTING SCUPPER LOCATION. SEE DETAIL 8 OF A4.
- EXISTING PLUMBING VENT TO REMAIN - PROTECT AS REQUIRED. SEE DETAIL 1 OF A4.
- EXISTING ROOF ACCESS DOOR ABOVE ROOF SURFACE. PROTECT AS REQUIRED. SEE DETAIL 15 OF A4.
- EXISTING TALL PENETRATION TO REMAIN - PROTECT AS REQUIRED. SEE DETAIL 6 OF A4.
- REMOVE AND DISCARD EXISTING DOWNSPOUT. PROVIDE AND INSTALL NEW 6" x 6" x 26 GA. PREFIN. GALVANIZED DOWNSPOUT (COLOR BY ARCH.) IN SAME LOCATION AS EXISTING. PROVIDE AND INSTALL NEW METAL SPLASH PLAN AT LOCATION WHERE DOWNSPOUT DISCHARGES ONTO ROOF BELOW. SEE DETAIL 5 OF A4.
- EXISTING VENTILATOR TO REMAIN - PROTECT AS REQUIRED. PROVIDE AND INSTALL TAPERED INSULATION CRICKET BEHIND HIGH SIDE OF CURB TO DIRECT WATER AROUND CURB. SEE DETAIL 12 OF A4.
- EXISTING TALL PENETRATION VENT TO REMAIN - PROTECT AS REQUIRED. PROVIDE AND INSTALL TAPERED INSULATION CRICKET BEHIND HIGH SIDE OF CURB TO DIRECT WATER AROUND CURB. SEE DETAIL 17 OF A4.

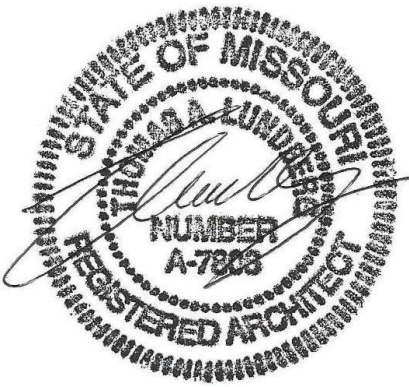
ROOF PLAN GENERAL NOTES

- A. CONTRACTOR TO FIELD VERIFY ALL QUANTITIES AND EXACT LOCATIONS OF ALL ROOF PENETRATIONS.
- B. ALL NEW METAL ON THIS ROOF IS TO BE 26 GA. PREFIN. GALVANIZED UNLESS NOTED OTHERWISE (COLOR TO MATCH EXISTING).
- C. ALL ROOF INSULATION JOINTS ARE TO BE STAGGERED AS SHOWN IN DETAIL 2 OF A4.
- D. ANY VARIATIONS TO DETAILS PROPOSED BY CONTRACTOR MUST BE APPROVED PRIOR TO BIDDING.
- E. AT ALL TOP SEAMS IN NEW METAL CAP FLASHING, INSTALL JOINT SPLICE PER DETAIL 3 OF A4.

ROOF PLAN NOTES

- REMOVE AND DISCARD EXISTING ROOFING DOWN TO METAL DECK. PROVIDE AND INSTALL FULLY ADHERED TPO ROOFING OVER 1/2" COVER BOARD OVER (2) LAYERS OF 3" THICK POLYISOCYANURATE INSULATION (EXISTING ROOF DECK SLOPES AS INDICATED). MECHANICALLY FASTEN BOTTOM LAYER OF INSULATION TO METAL DECK PER ROOF MANUFACTURER'S REQUIREMENTS, AND SET EACH SUBSEQUENT LAYER OF INSULATION (INCLUDING COVER BOARD) IN INSULATION ADHESIVE. SEE SPECIFICATION.
- REMOVE AND DISCARD EXISTING GUTTER. PROVIDE AND INSTALL NEW GUTTER PER DETAIL 10 OF A4.
- PROVIDE AND INSTALL TAPERED POLYISOCYANURATE CRICKET (1/4:12 SLOPE IN DIRECTION SHOWN).
- PROVIDE AND INSTALL 36" MIN. WIDE ROOFING STRIP FOR WALKWAY PAD AT INDICATED AREA. PAD SHALL BE AN ADDITIONAL LAYER OF FULLY ADHERED TPO ROOF SHEET OVER PRIMARY ROOF SHEET.
- EXISTING PLATFORM AND ASSOCIATED STAIRS FOR RTU IS TO REMAIN. PROTECT AS REQUIRED. NOTE THAT THE EXISTING AIR HANDLING UNIT WILL BE REPLACED BY OTHERS UNDER A SEPARATE CONTRACT, AND THE EXISTING PLATFORM AND STAIRS MIGHT BE MODIFIED AS PART OF THAT CONTRACT. CONTRACTOR TO FIELD VERIFY FINAL CONFIGURATION OF PLATFORM AND STAIRS - NOTIFY THE ARCHITECT IF ANY DISCREPANCIES ARE FOUND.

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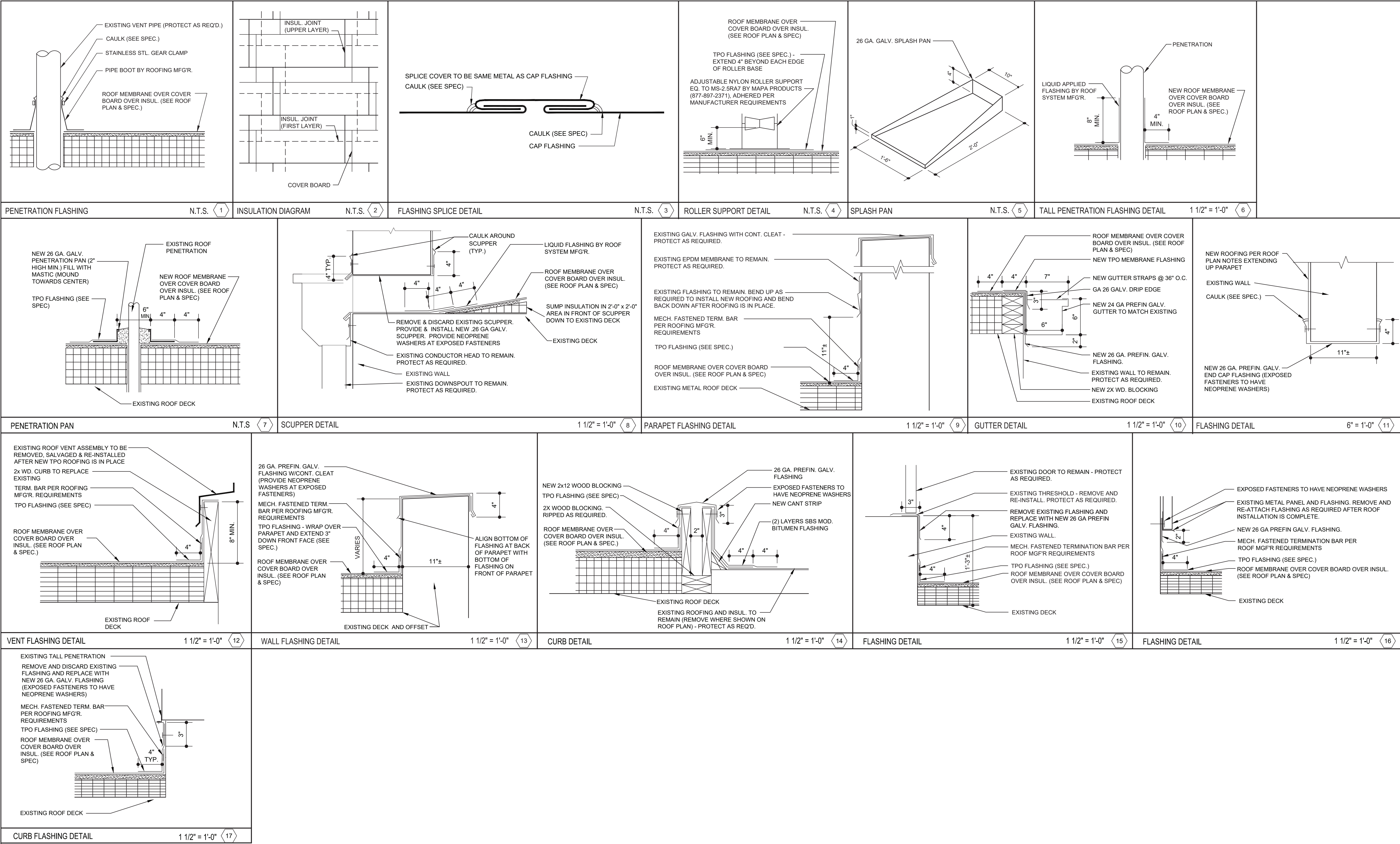
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ROOF PLAN

SHEET NUMBER:

A-3

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1/5/26



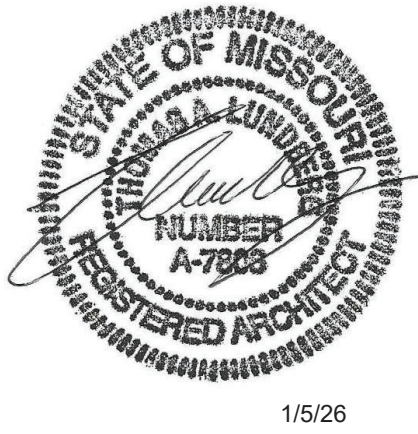
PENETRATION FLASHING N.T.S. 1 INSULATION DIAGRAM N.T.S. 2 FLASHING SPLICE DETAIL N.T.S. 3 ROLLER SUPPORT DETAIL N.T.S. 4 SPLASH PAN N.T.S. 5 TALL PENETRATION FLASHING DETAIL 1 1/2" = 1'-0" 6

PENETRATION PAN N.T.S. 7 SCUPPER DETAIL 1 1/2" = 1'-0" 8 PARAPET FLASHING DETAIL 1 1/2" = 1'-0" 9 GUTTER DETAIL 1 1/2" = 1'-0" 10 FLASHING DETAIL 6" = 1'-0" 11

VENT FLASHING DETAIL 1 1/2" = 1'-0" 12 WALL FLASHING DETAIL 1 1/2" = 1'-0" 13 CURB DETAIL 1 1/2" = 1'-0" 14 FLASHING DETAIL 1 1/2" = 1'-0" 15 FLASHING DETAIL 1 1/2" = 1'-0" 16

CURB FLASHING DETAIL 1 1/2" = 1'-0" 17

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DESIGNED BY: TL

SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:

A-4

5 OF 5 SHEETS
1/5/26