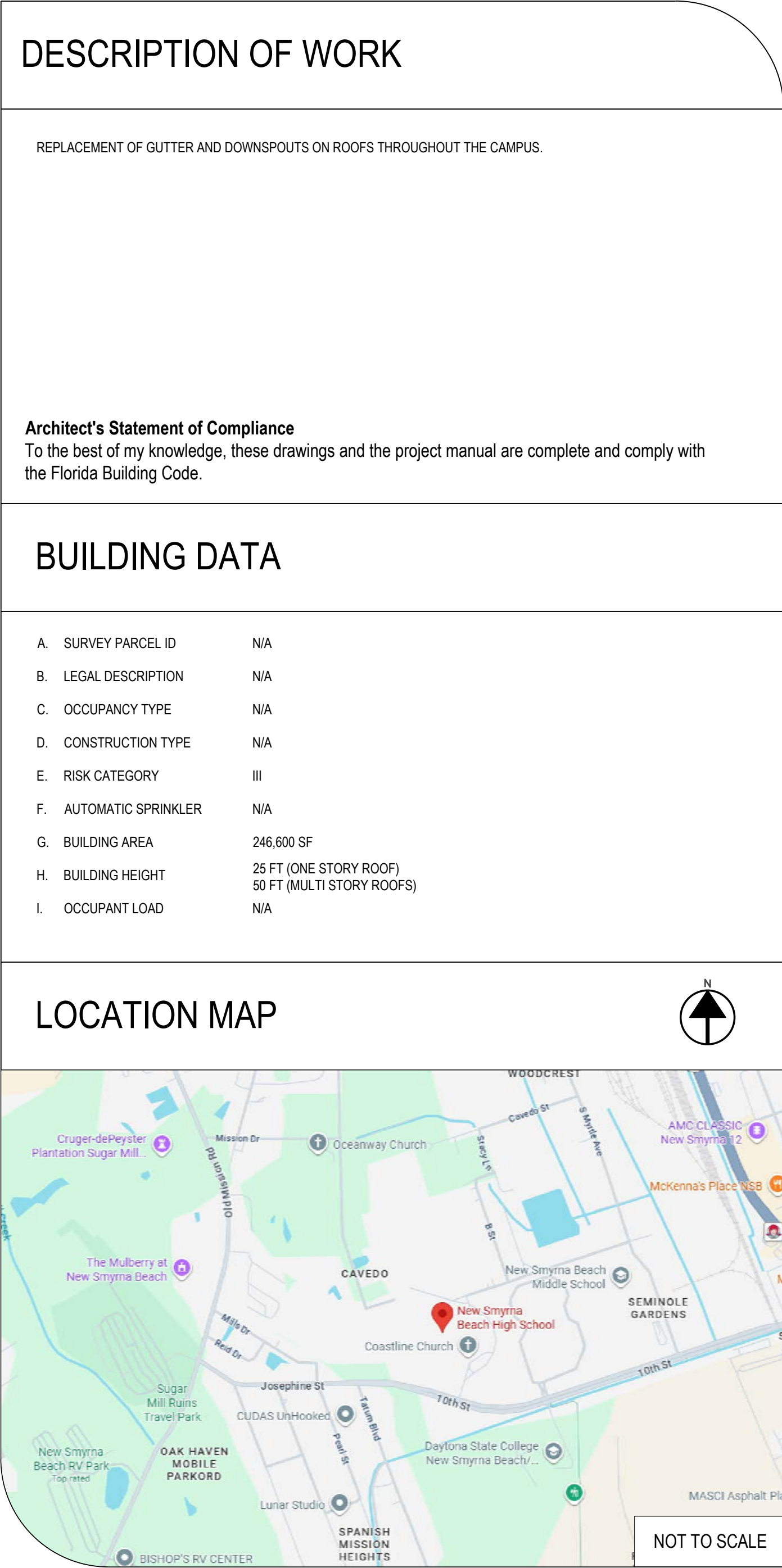




1015 10TH STREET
NEW SMYRNA BEACH, FL 32168

RUBEN COLON
KRISTA GOODRICH
DONNA BROSEMER
JAMIE HAYNES
JESSICA THOMPSON

CARMEN J. BALGOBIN

BOARD CHAIR
BOARD VICE CHAIR
MEMBER
MEMBER
MEMBER

SUPERINTENDENT



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The logo for GALE Associates, Inc. features the word "GALE" in a bold, italicized, sans-serif font. To the left of the text is a stylized graphic element consisting of a thick, dark, curved line that sweeps upwards and to the right, resembling a wing or a stylized letter 'G'.

Gale Associates, Inc.
Engineers Architects Planners

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Gale Associates (South), Inc. FL CA Lic. No. 61114

Boston Baltimore Orlando Hartford

G001	COVER SHEET
G002	STANDARD LEGEND, SYMBOLS AND GENERAL NOTES
A101	ROOF PLAN BLDGS 1 AND 2
A102	ROOF PLAN BLDGS 3 AND 4
A103	ROOF PLAN BLDG 5
A104	ROOF PLAN BLDG 6
A105	ROOF PLAN BLDG 7
A106	ROOF PLAN BLDG 8
A107	ROOF PLAN BLDG 9
A501	DETAILS
A502	DETAILS
A503	DETAILS
A504	DOWNSPOUT PROFILES
A505	DOWNSPOUT PROFILES

[illegible]

GENERAL NOTES	
<u>DESCRIPTION OF WORK</u>	
THE GENERAL SCOPE OF WORK FOR THIS PROJECT INCLUDES REPLACEMENT OF GUTTERS AND DOWNSPOUTS THROUGHOUT CAMPUS, AS INDICATED ON THE DRAWINGS.	
<u>DEMOLITION NOTES</u>	
1.	THE INFORMATION SHOWN ON THE DRAWINGS HAS BEEN COMPILED FROM VARIOUS SOURCES, AND MAY NOT REFLECT THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND QUANTITIES PRIOR TO BID.
2.	THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE WORK TO AVOID INTERRUPTIONS TO BUILDING OPERATIONS.
3.	CONTRACTOR SETUP LOCATIONS SHALL BE AS INDICATED BY THE OWNER DURING THE PRE-CONSTRUCTION MEETING.
4.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL INTERIOR ITEMS THAT MIGHT BE AFFECTED BY THE WORK, INCLUDING FLOORS AND EQUIPMENT PRIOR TO DEMOLITION. ONCE REMOVAL IS COMPLETE FOR THE DAY, THE PLASTIC COVERINGS SHALL BE REMOVED AND THE INTERIOR AREAS CLEANED. CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO, SWEEPING OF FLOORS AND DUST REMOVAL FROM THE TOPS OF LIGHT FIXTURES AND EQUIPMENT WHERE ACCESSIBLE.
5.	THE CONTRACTOR SHALL REPORT DETERIORATED OR UNSUITABLE ROOF DECK OR SUBSTRATE COMPONENTS TO THE OWNER PRIOR TO PERFORMING ROOFING INSTALLATION.
6.	REMOVE AND DISPOSE OF EXISTING GUTTER AND DOWNSPOUT COMPONENTS, DOWN TO THE EXISTING SUBSTRATES AS INDICATED. EXISTING COMPONENTS NOT DESIGNATED FOR REMOVAL SHALL REMAIN IN PLACE AND SHALL BE PROTECTED FROM DAMAGE BY THE SUBSEQUENT WORK, DECK UNLESS OTHERWISE INDICATED ON THE DETAIL DRAWINGS. REMOVE AND DISPOSE OF ALL ITEMS TO INCLUDE GUTTERS, BRACKETS, STRAPS, DOWNSPOUTS, ASSOCIATED HARDWARE, ETC. SCHEDULED TO BE REMOVED. TEMPORARILY REMOVE ANY COMPONENT OR ASSEMBLY AS REQUIRED TO FACILITATE THE GUTTER AND DOWNSPOUT REPLACEMENT WORK, AND RESTORE TO ITS ORIGINAL AND WATERTIGHT CONDITION.
7.	CORROSION TREAT AND PAINT (OR SEAL) ALL VACANT FASTENER HOLES IN EXISTING METAL ASSEMBLIES THAT ARE DESIGNATED TO REMAIN, AND THAT ARE AFFECTED BY THE SCOPE OF THIS WORK.
8.	PROVIDE TEMPORARY OVERHEAD PROTECTION AT THE MAIN ENTRANCES TO BUILDINGS AND AT OTHER LOCATIONS AS NECESSARY TO PROVIDE UNINTERRUPTED AND SAFE ACCESS TO BUILDING.
9.	REMOVALS SHALL BE PERFORMED IN ACCORDANCE WITH THE SUBMITTED AND APPROVED REMOVAL PLAN, THE DETAIL DRAWINGS AND SPECIFICATIONS.
<u>INSTALLATION NOTES</u>	
1.	FOR THE SAKE OF CLARITY, EACH INDIVIDUAL DETAIL ON THE ROOF PLANS HAS NOT BEEN INDICATED. EXISTING AND NEW DETAILS HAVE BEEN INDICATED FOR TYPICAL COMPONENTS AT RANDOM LOCATIONS.
2.	COMPONENTS SHOWN ON THE DETAIL DRAWINGS SHALL BE NEW UNLESS SPECIFICALLY INDICATED AS EXISTING.
3.	ITEMS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS APPLICABLE TO THE PROJECT.
4.	FOR THE SAKE OF CLARITY, SECUREMENT FASTENERS ARE NOT SHOWN ON THE DRAWINGS IN THEIR ENTIRETY. REFER TO SPECIFICATIONS FOR FASTENER TYPES/SPACING.
5.	ANY DISCREPANCIES ON THE DRAWINGS NOTED BY THE CONTRACTOR SHALL BE BROUGHT TO THE OWNER'S ATTENTION PRIOR TO BID SUBMISSION.
6.	ITEMS OF CONSTRUCTION SHALL BE 100% WATERTIGHT ON THE SAME DAY OF WORK. PHASED CONSTRUCTION MUST BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
7.	DETAILS NOT DEPICTED SHALL BE CONSTRUCTED IN A MANNER CONSISTENT WITH THE DETAIL DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND QUANTITIES.
8.	IF THERE IS A POTENTIAL HAZARDOUS MATERIAL ENCOUNTERED DURING THE COURSE OF WORK THAT IS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL STOP WORK IMMEDIATELY AND CONTACT THE OWNER WHO IS TO MAKE A DETERMINATION IF THE MATERIAL IS HAZARDOUS.
9.	ALL DUMPSTERS MUST BE AT LEAST 15 FEET FROM THE BUILDING UNLESS EMPTIED AT THE END OF EACH WORK DAY.
10.	MATERIALS MAY NOT BE STORED CLOSER THAN 15 FEET FROM BUILDINGS AND MAY NOT BE PLACED IN FRONT OF EXITS OR ANY FIRE PROTECTION EQUIPMENT. REFUELING OF GASOLINE POWERED EQUIPMENT WILL NOT BE PERMITTED ON THE ROOF. GASOLINE MUST BE STORED IN UL LISTED AND APPROVED CONTAINERS.
11.	METAL FABRICATION NOTES: FILE SMOOTH ALL EXPOSED SHARP EDGES. FABRICATE METAL TRANSITIONS AND TERMINATIONS IN ONE-PIECE CONSTRUCTION. LOCK AND SEAL OR SOLDER ALL JOINTS SOLID, AS SPECIFIED, TO MAKE WATERTIGHT.
12.	SHEET METAL FABRICATION DETAILS HAVE BEEN PROVIDED TO REPRESENT TYPICAL CONDITIONS, THEY MAY NOT REPRESENT EVERY UNIQUE CONDITION REQUIRED TO COMPLETE THE WORK; HOWEVER, SUCH FABRICATIONS SHALL BE REQUIRED AS IF SHOWN ON THE DRAWINGS. CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS OF SUCH CONDITIONS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO SHOP FABRICATION OR FIELD INSTALLATION.
<u>STATEMENT OF COMPLIANCE</u>	
1.	TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE FLORIDA BUILDING CODE.
2.	BUILDING CODE REFERENCE: FLORIDA BUILDING CODE, 8TH EDITION (2023).

OVERALL CAMPUS PLAN

BUILDING 1

BUILDING 2

BUILDING 3

BUILDING 4

BUILDING 5

BUILDING 6

BUILDING 7

BUILDING 8

BUILDING 9

EXISTING ALUMINUM WALKWAY CANOPY TYP. (N.I.C.)

EXISTING ALUMINUM WALKWAY CANOPY TYP. (N.I.C.)

NORTH

N.I.C. = NOT IN CONTRACT



SPECIFIED PER FLORIDA BUILDING CODE (2023) CH. 16 AND IN ACCORDANCE WITH ASCE 7-22		
ULTIMATE DESIGN WIND SPEED	155 MPH	
NOMINAL DESIGN WIND SPEED	120 MPH	
BUILDING RISK CATEGORY	III	
WIND EXPOSURE	EXPOSURE C	
INTERNAL PRESSURE COEFFICIENT	0.18 (ENCLOSED)	
DESIGN WIND LOAD PRESSURES IN PSF (BASED ON NOM. WIND SPEED)		
BUILDING HEIGHT (DESIGN MEAN)	< 30 FT	
ZONE 1A	(1A)	-47.87
ZONE 2A	(2A)	-63.24
ZONE 3A	(3A)	-83.00
BUILDING HEIGHT (DESIGN MEAN) 30 FT < 50 FT		
ZONE 1B	(1B)	-54.02
ZONE 2B	(2B)	-71.37
ZONE 3B	(3B)	-93.67

WIND LOAD SCHEMATIC - BLDG HEIGHT < 30 FT

WIND LOAD SCHEMATIC - BLDG HEIGHT 30 FT < 50 FT



GUTTER REPLACEMENT NOTES

1. REMOVE AND REPLACE ALL GUTTERS AND DOWNSPOUTS AS INDICATED. INSTALL NEW PRE-FINISHED ALUMINUM GUTTERS AND DOWNSPOUTS AS INDICATED. REFER TO REPRESENTATIVE TYPICAL DOWNSPOUT PROFILES REPRESENTED ON SHEET A504 AND A505 (DS - #).
2. REMOVE AND REPLACE EXISTING GALVALUME METAL FASCIA ALONG GUTTER EDGES AND REPLACE WITH NEW PRE-FINISHED ALUMINUM FASCIA AS INDICATED.
3. PROTECT EXISTING GALVALUME STANDING SEAM METAL ROOFING, WALL SYSTEMS AND ASSOCIATED TRIM FROM DAMAGE DURING THE COURSE OF GUTTER AND DOWNSPOUT REPLACEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ROOFING AND WALL SYSTEMS.
4. COORDINATE GUTTER INSTALLATION SO AS TO AVOID PLACEMENT OF EXPANSION JOINTS AND SPLICE JOINTS ABOVE BUILDING ENTRANCES AND PATHS OF EGRESS (OR WALKING PATHS). REFER TO KEYNOTES FOR ADDITIONAL INFORMATION (ALL LOCATIONS MAY NOT BE IDENTIFIED ON THE PLANS).
5. GUTTER EXPANSION JOINT (EJ) LOCATIONS ARE APPROXIMATED. COORDINATE INSTALLATION SO GUTTER EXPANSION JOINTS ARE LOCATED NO MORE THAN 50 FT (MAX.) APART. NO SECTION OF GUTTER SHOULD EXCEED 50 FT.
6. SEAL VACANT FASTENER HOLES IN EXISTING BRICK WALL SURFACES WHERE EXISTING DOWNSPOUTS/ BRACKETS ARE REMOVED. USE COLOR MATCHING SEALANT, SEE SPEC SECTION 079200

KEY NOTES

- ① AVOID INSTALLING ANY GUTTER SEAM OR JOINT WITHIN 2-FEET (TYP.) OF INTERSECTING WALKWAYS (SIDEWALKS), BUILDING ENTRANCES, DOORWAYS, ETC. LOCATIONS IDENTIFIED ON THESE PLANS MAY BE REPRESENTATIVE. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS.
- ② DOWNSPOUT DEPOSITS RUNOFF TO FLAT EXISTING ALUMINUM WALKWAY CANOPY BELOW. REFER TO REPRESENTATIVE DOWNSPOUT PROFILE DS-# ON SHEET **A504 AND A505** FOR TYP. DOWNSPOUT PROFILE AT THIS CONDITION.
- ③ SNAKE AND CLEAN EXISTING CLOGGED SUB-GRADE DRAIN PIPE WHERE INDICATED. WATER TEST TO CONFIRM PIPE IS FREE FLOWING.
- ④ REMOVE AND REPLACE DAMAGED ROOF FLASHING AS INDICATED WHERE SHADED. REFER TO REPRESENTATIVE TYPICAL ROOF FLASHING PROFILE (**DETAIL 1/A503**)
- ⑤ REMOVE RAIN BARREL. COORDINATE WITH OWNER. ATTACH NEW DOWNSPOUT TO EXISTING SUBGRADE DRAIN PIPE. REFER TO REPRESENTATIVE DOWNSPOUT PROFILE DS-4 ON SHEET **A504**.

REVISIONS

[illegible]

NEW SMYRNA BEACH HIGH SCHOOL
REPLACE GUTTERS AND DOWNSPOUTS
VCS Project NO. 2648225
1015 10TH STREET
NEW SMYRNA BEACH, FL 32168

ENGR OF RECORD

Architect
ALAN S. CRAIGO, P.E.

DESIGNED BY
ASC/MSTOWN BY
VN

SUE DATE

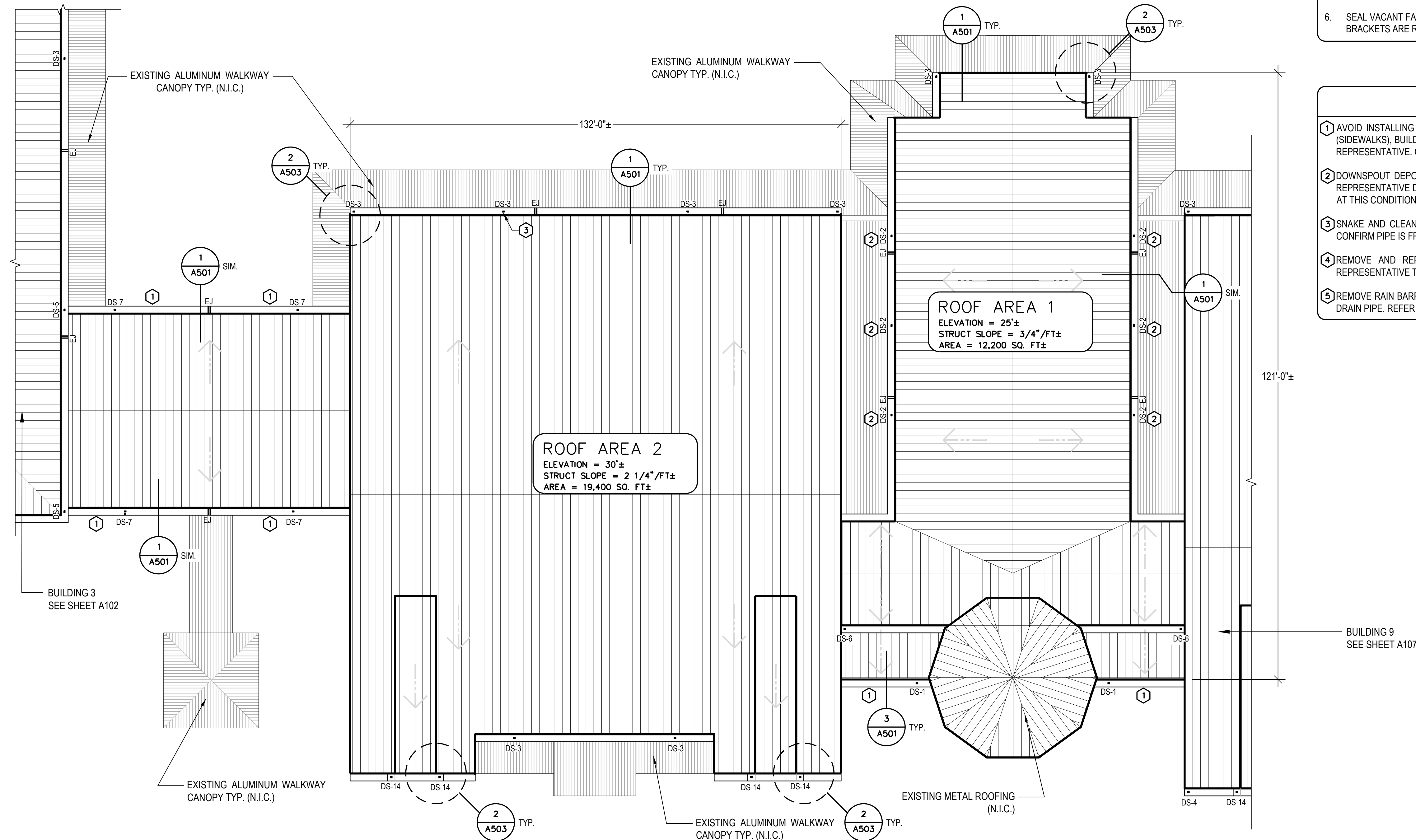
PROJECT NUMBER
78443

SHEET TITLE

ROOF PLAN
BLDGS 1 AND 2

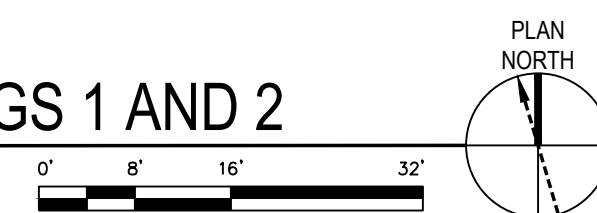
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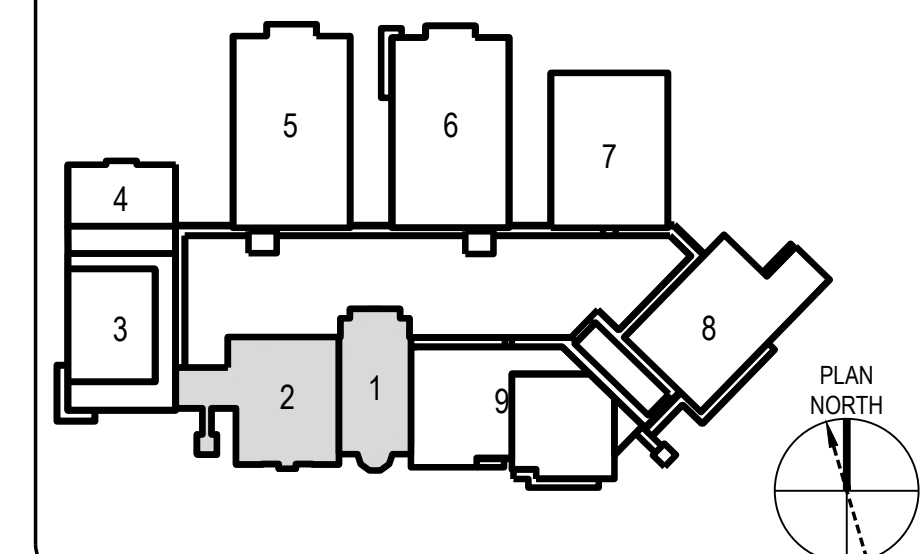


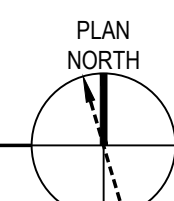
ROOF PLAN BLDGS 1 AND 2

SCALE: 1/16" = 1'-0"



CAMPUS KEY PLAN





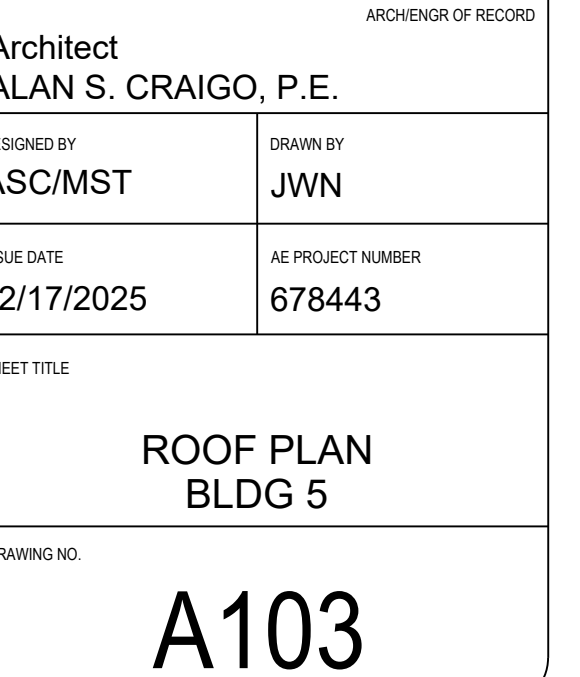
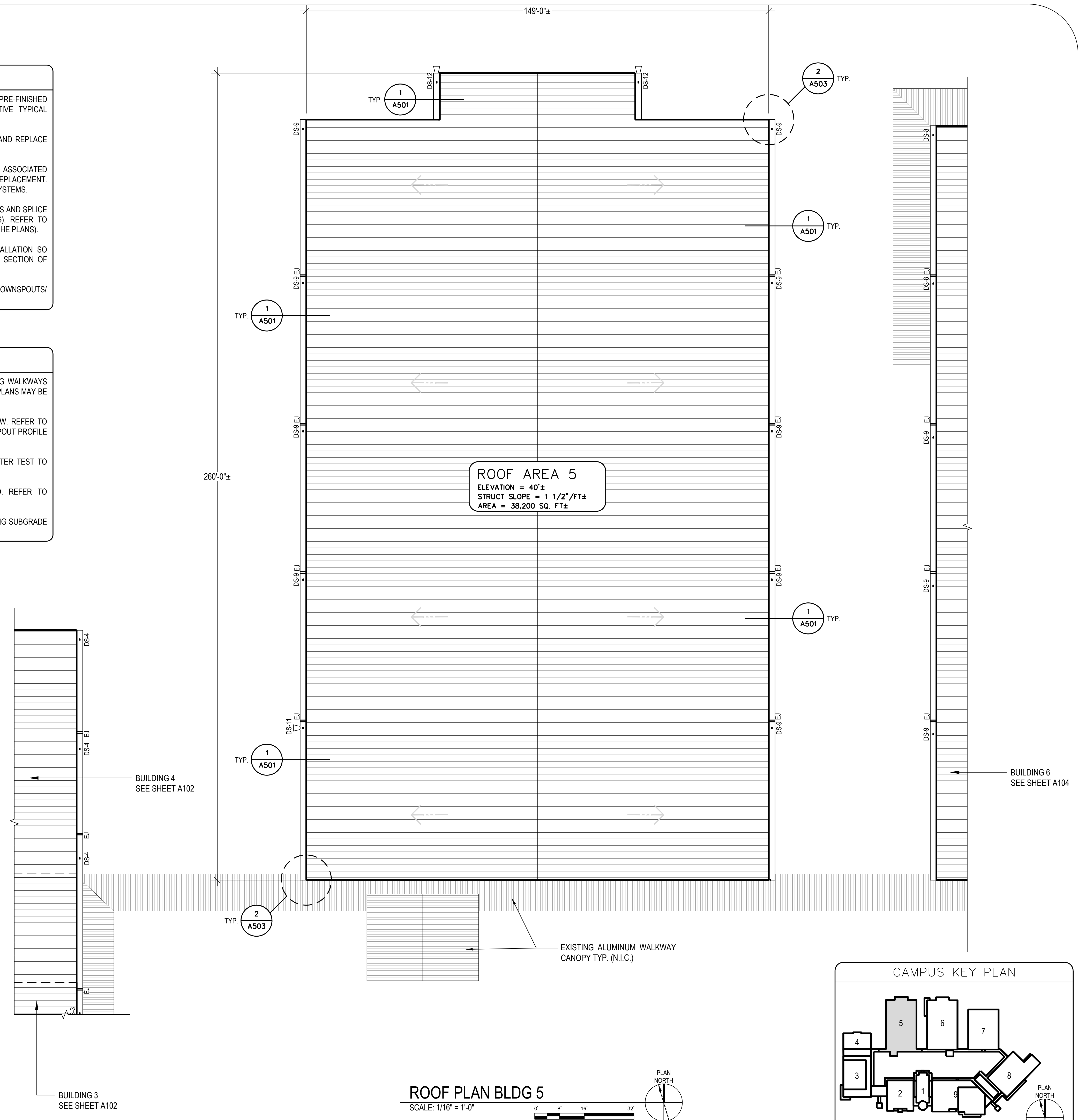
A102

GUTTER REPLACEMENT NOTES

1. REMOVE AND REPLACE ALL GUTTERS AND DOWNSPOUTS AS INDICATED. INSTALL NEW PRE-FINISHED ALUMINUM GUTTERS AND DOWNSPOUTS AS INDICATED. REFER TO REPRESENTATIVE TYPICAL DOWNSPOUT PROFILES REPRESENTED ON SHEET A504 AND A505 (DS - #).
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5. GUTTER EXPANSION JOINT (EJ) LOCATIONS ARE APPROXIMATED. COORDINATE INSTALLATION SO GUTTER EXPANSION JOINTS ARE LOCATED NO MORE THAN 50 FT (MAX.) APART. NO SECTION OF GUTTER SHOULD EXCEED 50 FT.
6. SEAL VACANT FASTENER HOLES IN EXISTING BRICK WALL SURFACES WHERE EXISTING DOWNSPOUTS/ BRACKETS ARE REMOVED. USE COLOR MATCHING SEALANT, SEE SPEC SECTION 079200

KEY NOTES

- 1 AVOID INSTALLING ANY GUTTER SEAM OR JOINT WITHIN 2-FEET (TYP.) OF INTERSECTING WALKWAYS (SIDEWALKS), BUILDING ENTRANCES, DOORWAYS, ETC. LOCATIONS IDENTIFIED ON THESE PLANS MAY BE REPRESENTATIVE. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS.
- 2 DOWNSPOUT DEPOSITS RUNOFF TO FLAT EXISTING ALUMINUM WALKWAY CANOPY BELOW. REFER TO REPRESENTATIVE DOWNSPOUT PROFILE DS-# ON SHEET **A504 AND A505** FOR TYP. DOWNSPOUT PROFILE AT THIS CONDITION.
- 3 SNAKE AND CLEAN EXISTING CLOGGED SUB-GRADE DRAIN PIPE WHERE INDICATED. WATER TEST TO CONFIRM PIPE IS FREE FLOWING.
- 4 REMOVE AND REPLACE DAMAGED ROOF FLASHING AS INDICATED WHERE SHADED. REFER TO REPRESENTATIVE TYPE ROOF FLASHING PROFILE (**DETAIL 1/A503**)
- 5 REMOVE RAIN BARREL. COORDINATE WITH OWNER. ATTACH NEW DOWNSPOUT TO EXISTING SUBGRADE DRAIN PIPE. REFER TO REPRESENTATIVE DOWNSPOUT PROFILE DS-4 ON SHEET **A504**.





GUTTER REPLACEMENT NOTES

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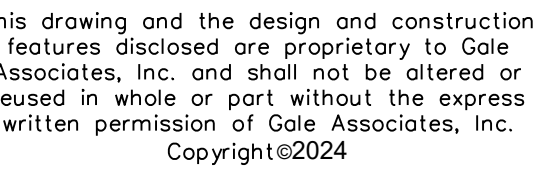
CAMPUS KEY PLAN

The diagram shows a campus layout with nine buildings numbered 1 through 9. Building 7 is shaded gray. A compass rose in the bottom right corner indicates that North is oriented towards the top right of the page.

ROOF PLAN
BLDG 7

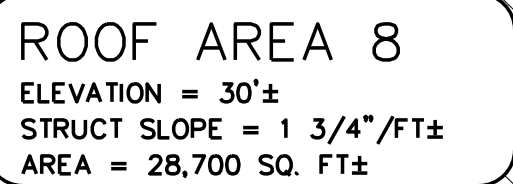
DRAWING NO.

A105

[illegible]

NEW SMYRNA BEACH HIGH SCHOOL
REPLACE GUTTERS AND DOWNSPOUTS
VCS Project NO. 2648225
1015 10TH STREET
NEW SMYRNA BEACH, FL 32168

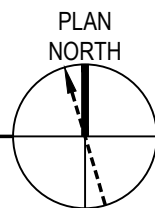
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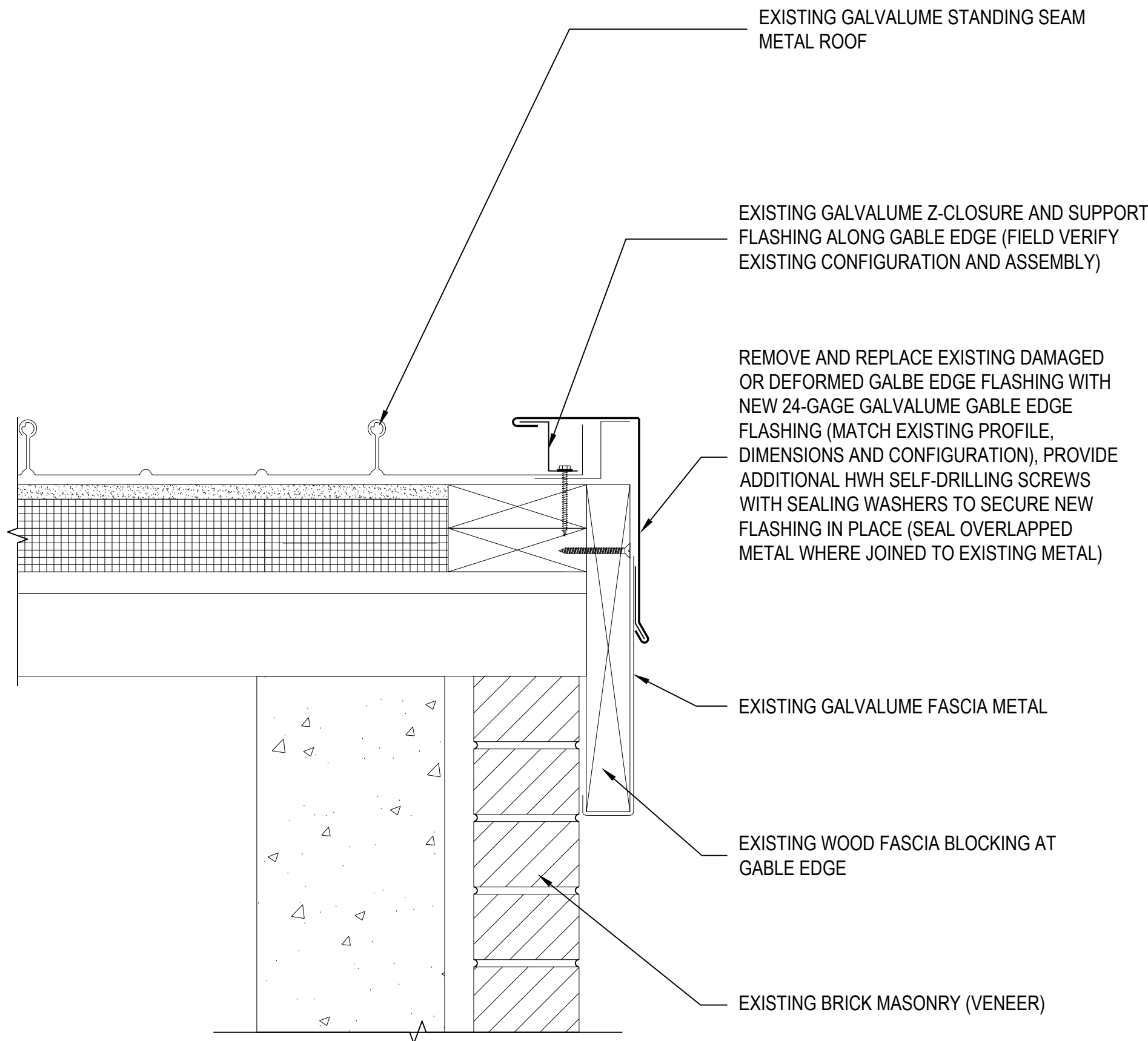


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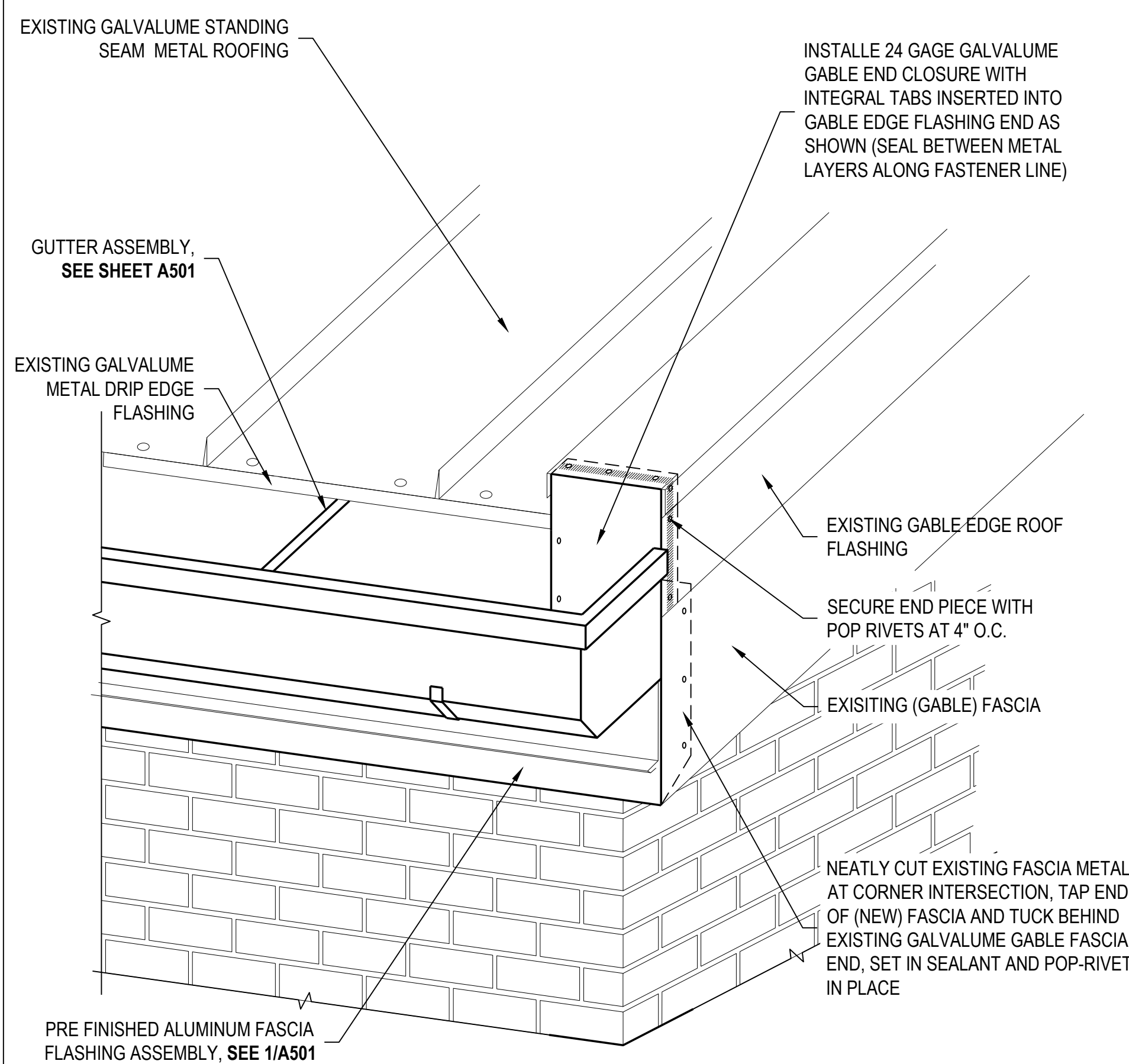
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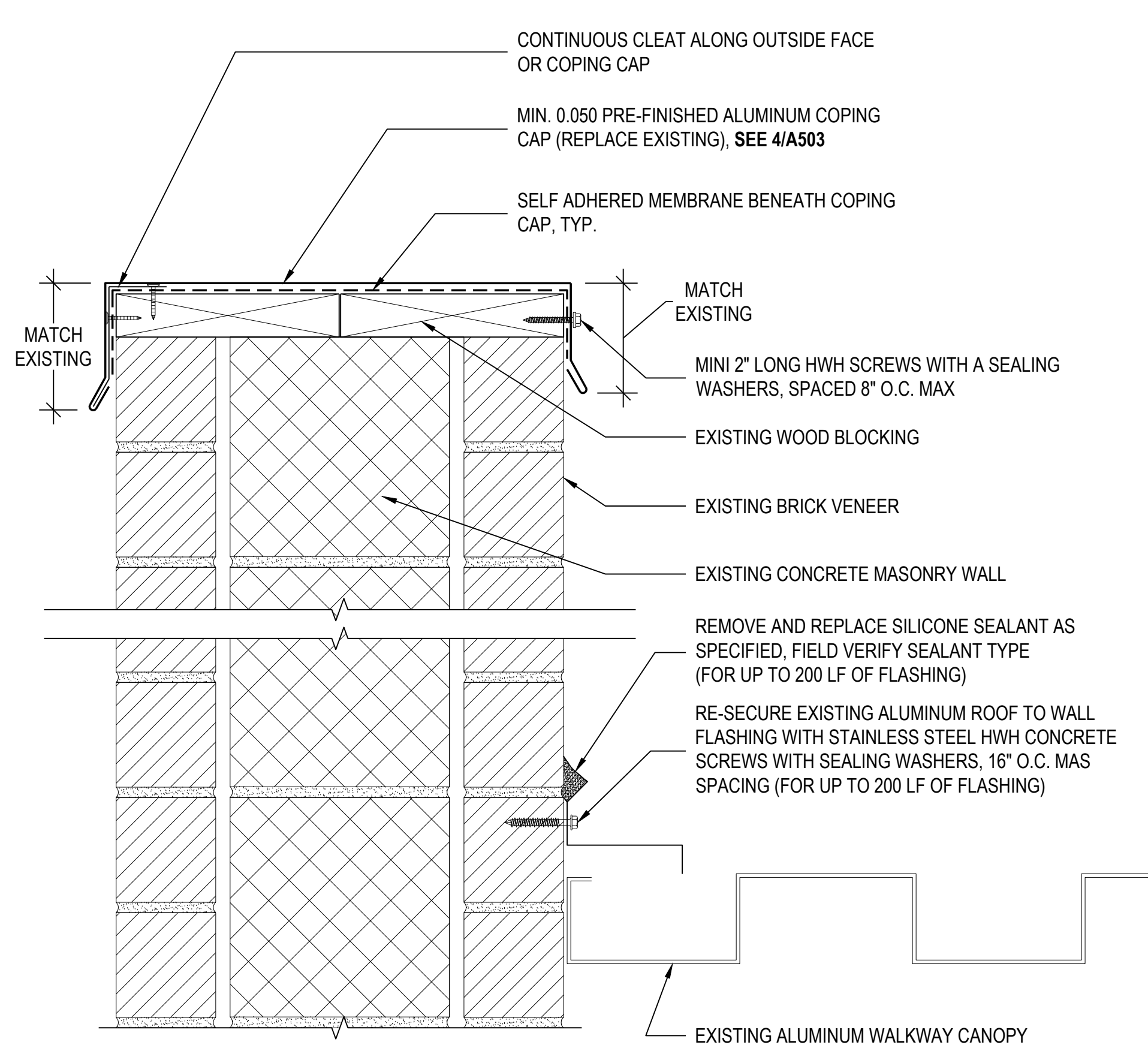
1 GABLE EDGE FLASHING

SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



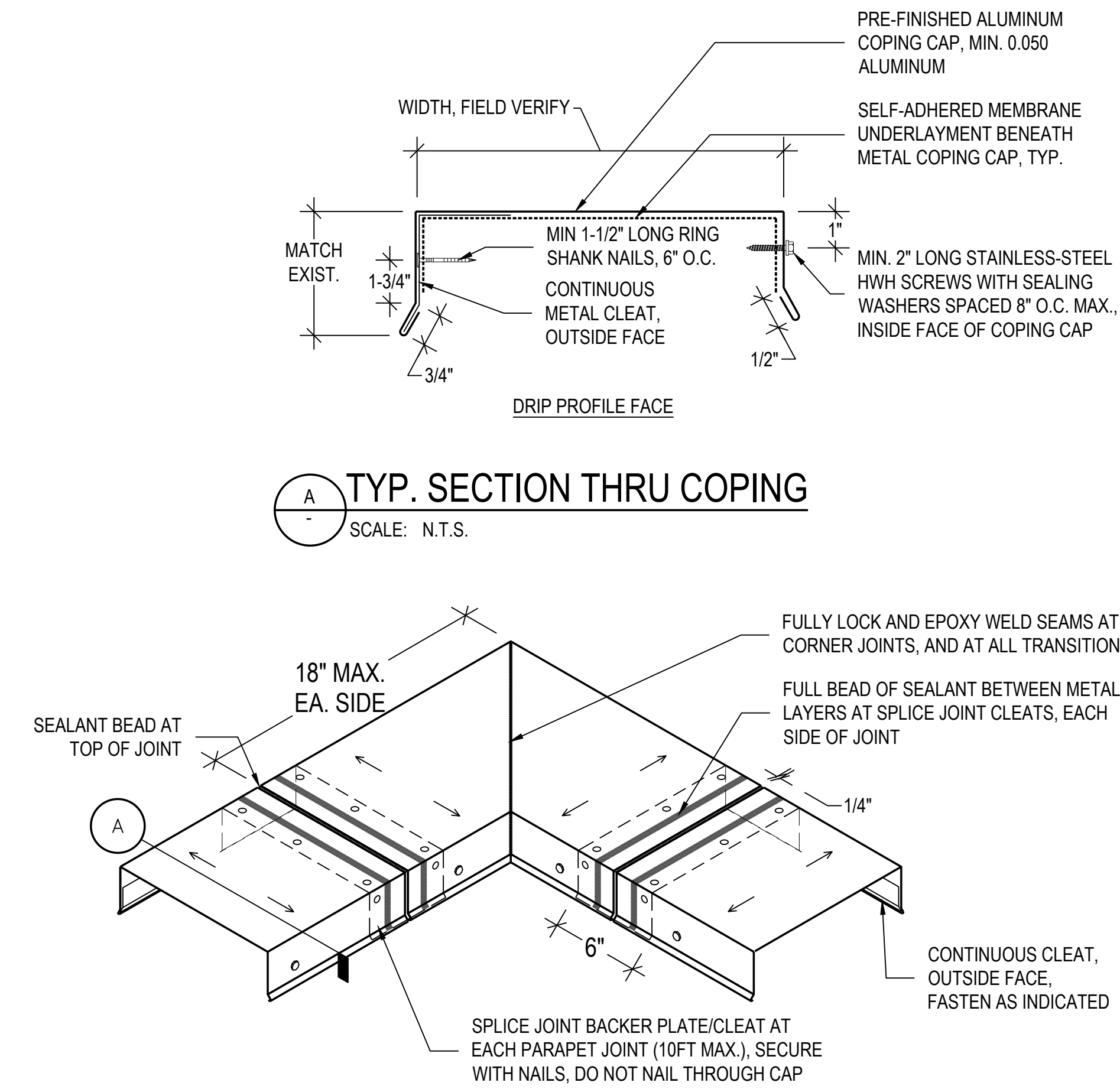
2 GUTTER AT GABLE EDGE INTERSECTION (CORNER)

SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



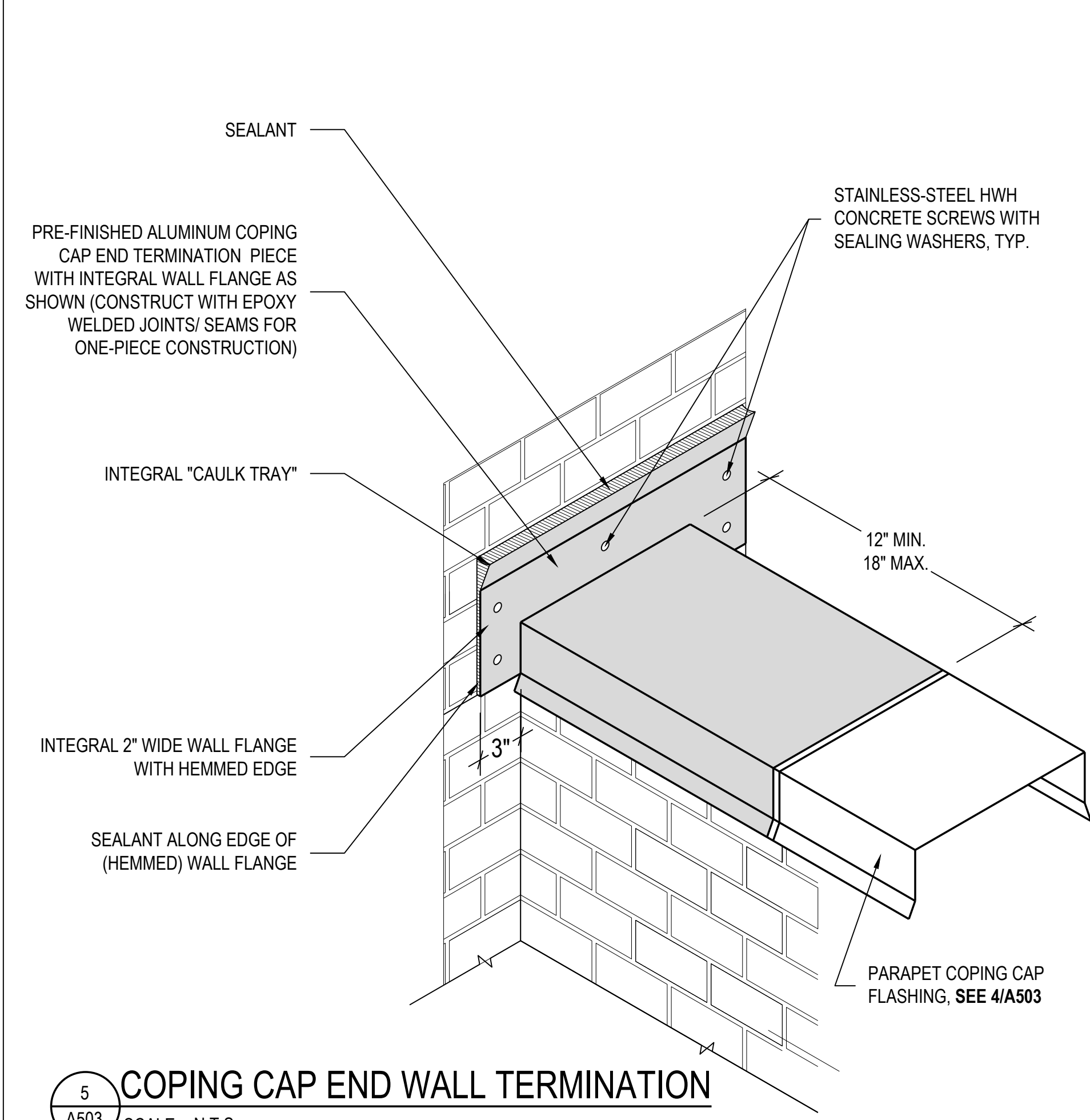
3 SECTION THRU CAFETERIA WALL

SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



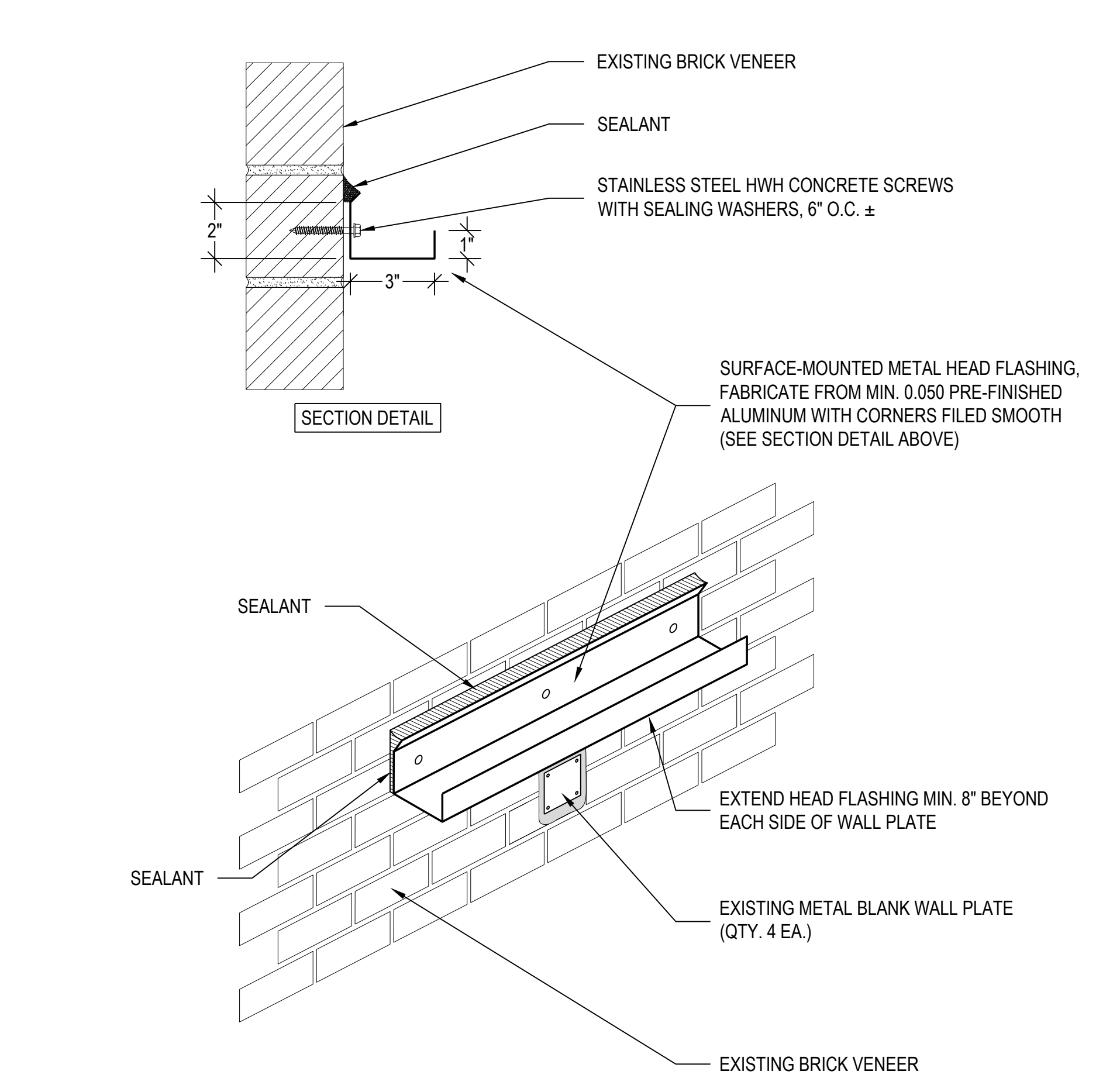
4 TYP. COPING CAP

SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



5 COPING CAP END WALL TERMINATION

SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)



6 SECTION THRU CAFETERIA WALL

SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

REVISIONS

DOCUMENT HISTORY

DESCRIPTION

NO. DATE

NEW SMYRNA BEACH HIGH SCHOOL
REPLACE GUTTERS AND DOWNSPOUTS
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Boston Baltimore Orlando Hartford

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NEW SMYRNA BEACH HIGH SCHOOL REPLACE GUTTERS AND DOWNSPOUTS

VCS Project NO. 2648225

1015 10TH STREET
NEW SMYRNA BEACH, FL 32168

ARCHITECT OF RECORD

Architect
ALAN S. CRAIGO, P.E.

DESIGNED BY
ASC/MST

DRAWN BY
JWN

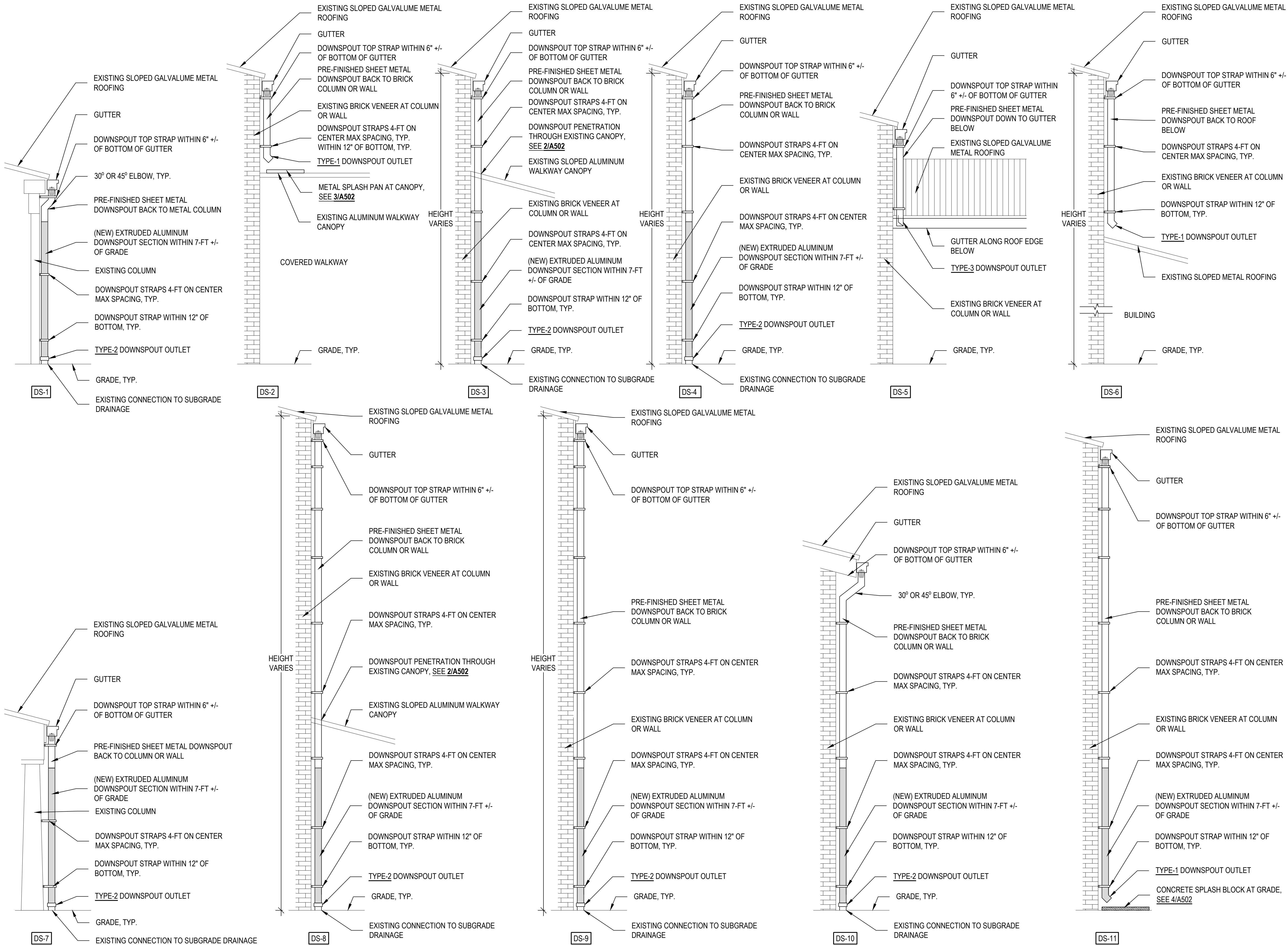
ISSUE DATE
12/17/2025

AE PROJECT NUMBER
678443

SHEET TITLE
DOWNSPOUT
PROFILES

DRAWING NO.

A504



1 DOWNSPOUT PROFILES (DS-1 THROUGH DS-13)

A504 SCALE: N.T.S.
(ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING)

NOTE: REFER TO DETAIL 1/A502
FOR TYP. DOWNSPOUT TYPES

