

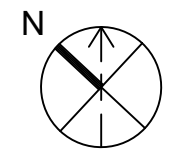
# GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT

3000 EAST GAP CREEK ROAD  
GREER, SC 29651

RAYMOND PROJECT NO. GSP1010.072



AERIAL PHOTO  
SCALE: N.T.S.



**RAYMOND**  
ARCHITECTURE & ENGINEERING  
1905 SC HWY 16  
GREENVILLE, SC 29605  
WWW.RAYMONDGLOBAL.COM

RAYMOND PROJECT NUMBER: GSP1010.072  
DRAWN BY: CONNOR SALAS  
CHECKED BY: DYLAN JOHNSON  
APPROVED BY: RAYMOND RAMOS  
CLIENT'S REPRESENTATIVE: GREENVILLE COUNTY SCHOOLS  
DATE: 03/20/2023  
RENDERED BY: RAYMOND RAMOS  
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PROJECT DESIGNED FOR:  
GREENVILLE COUNTY SCHOOLS  
301 EAST CAMPBELLWAY  
GREENVILLE, SC 29601

PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT  
PROJECT ADDRESS: 3000 EAST GAP CREEK ROAD, GREER, SC 29651  
DESIGNER OF RECORD SEAL: RAYMOND RAMOS, NO. 25894  
SHEET TITLE: COVER SHEET  
DRAWING #: G-001  
REVISION #: #

NO.	DATE	ISSUED FOR	DESCRIPTION OF REVISIONS
9			
8			
7			
6			
5			
4	03/20/2023	2023 UPDATE FOR CONSTRUCTION	
3	07/18/2022	RECOVER REDESIGN FOR CONSTRUCTION	
2	04/27/2022	RECOVER REDESIGN FOR CONSTRUCTION	
1	01/11/2022	FOR CONSTRUCTION	

## DRAWING INDEX

DWG NO.	DRAWING TITLE	ISSUE DATE	REV. NO.	LATEST ISSUE
<b>GENERAL</b>				
G-001	COVER SHEET	03/20/2023		03/20/2023
G-002	GENERAL INFORMATION	03/20/2023		03/20/2023
G-003	GENERAL NOTES	03/20/2023		03/20/2023
G-004	SOUTH CAROLINA DOE FORM F3	03/20/2023		03/20/2023
<b>ARCHITECTURAL</b>				
XA-101	DEMOLITION ROOF PLAN - ROOF AREAS A1-A5, A9, A10	03/20/2023		03/20/2023
XA-102	DEMOLITION ROOF PLAN - ROOF AREAS A6-A8, B1-B4	03/20/2023		03/20/2023
XA-103	DEMOLITION ROOF PLAN - ROOF AREAS A11, A12	03/20/2023		03/20/2023
A-101	NEW ROOF PLAN - ROOF AREAS A1-A5, A9, A10	03/20/2023		03/20/2023
A-102	NEW ROOF PLAN - ROOF AREAS A6-A8, B1-B4	03/20/2023		03/20/2023
A-103	NEW ROOF PLAN - ROOF AREAS A11, A12	03/20/2023		03/20/2023
A-104	WINDOW REPLACEMENT PLAN, ELEVATIONS AND NOTES	03/20/2023		03/20/2023
A-501	TYPICAL ROOFING DETAILS	03/20/2023		03/20/2023
A-502	TYPICAL ROOFING DETAILS	03/20/2023		03/20/2023
A-503	WINDOW AND DOOR DETAILS	03/20/2023		03/20/2023
<b>STRUCTURAL</b>				
S-101	WIND ZONE ROOF PLAN - ROOF AREAS A1-A10, B1-B4	03/20/2023		03/20/2023
S-102	WIND ZONE ROOF PLAN - ROOF AREAS A11, A12	03/20/2023		03/20/2023

## SPECIFICATIONS

A SEPARATE PROJECT MANUAL (SPECIFICATION) IS:  
 INCLUDED  
 NOT INCLUDED  
 AS PART OF THIS PROJECT.

## PROJECT SCOPE

REFER TO SPECIFICATIONS FOR PROJECT SCOPE. BELOW IS AN ABBREVIATED PROJECT SCOPE.

PHASE I: ROOF AREAS A3, A9, A10, A11, A12, A13, & WINDOW REPLACEMENT.

PHASE II: ROOF AREAS A1, A2, A4, A5, A6, A7, A8, B1, B2, B3, & B4.

METAL PANEL ROOF AREAS & 2020 ADDITION ARE NOT IN CONTRACT.

**ROOF AREAS A1 - A12**

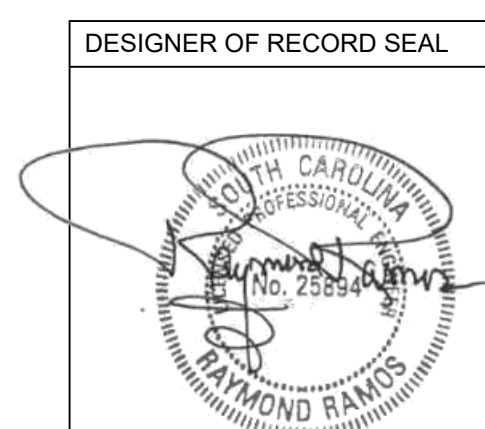
- REMOVE AND PROPERLY DISPOSE OF EXISTING AGGREGATE SURFACING AS REQUIRED TO PROVIDE A SMOOTH SUBSTRATE FOR THE APPLICATION OF A NEW RECOVER ROOF SYSTEM.
- FURNISH AND INSTALL ADHERED COVER BOARD AND NEW ADHERED 80-MIL TPO ROOF SYSTEM w/ MECHANICAL ENHANCMENTS. (DEDUCTIVE ALTERNATE NO. 1 60-MIL)
- REMOVE AND REPLACE EXISTING SCUPPER LINERS, GUTTERS, DOWNSPOUTS, AND DRAIN BOWL ASSEMBLIES WITH NEW.
- FURNISH AND INSTALL OTHER MISCELLANEOUS ITEMS AS SPECIFIED.

**ROOF AREAS B1-B4**

- REMOVE AND PROPERLY DISPOSE OF EXISTING ROOFING DOWN TO THE CEMENTITIOUS WOOD FIBER DECK, AS SPECIFIED.
- REMOVE AND REPLACE EXISTING GUTTERS AND DOWNSPOUTS WITH NEW.
- FURNISH AND INSTALL NEW INSULATION, COVER BOARD, AND ADHERED 80-MIL TPO ROOF SYSTEM AS SPECIFIED. (DEDUCTIVE ALTERNATE NO. 1 60-MIL)
- FURNISH AND INSTALL OTHER MISCELLANEOUS ITEMS AS SPECIFIED.

**ART STUDIO 0001 (AREA A1)**

- DEMO EXISTING HOLLOW METAL FRAMING, DOOR AND GLASS.
- PROVIDE AND INSTALL TRULITE 451 CENTER SET STANDARD STOREFRONT FRAMING SYSTEM.



RAYMOND RAMOS  
NO. 25894

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# SYMBOLS

## AIR HANDLING EQUIPMENT

- AC UNIT ON CURB
- AC UNIT ON SLEEPERS
- ATTIC VENT
- CAPPED CURB
- CURB MOUNTED VENT
- DUCT PENETRATION
- EXHAUST FAN
- EVAP. COOLER
- LOUVRED VENT
- MECHANICAL UNIT
- ROUND GOOSENECK (DUCT)
- SQUARE GOOSENECK (DUCT)
- TURBINE VENT

## CHIMNEYS

- HOT STACK
- MASONRY CHIMNEY

## CORES/MOISTURE

- CORE SAMPLE
- CORE SAMPLE W/IDENTIFIER
- CONFIRMED MOISTURE DAMAGE

## CORES/MOISTURE

- MOISTURE PROBE - DRY
- MOISTURE PROBE - MOIST
- MOISTURE PROBE - WET
- MOISTURE RELIEF VENT
- ROOF PATCH

## CRICKETS

- CRICKET
- SADDLE

## DISTANCES/DIMENSIONS

- BF+6" BASE FLASHING HEIGHT
- C CENTER LINE
- C CENTER LINE (PLUS)
- CF+8" COUNTER FLASHING HEIGHT
- IDENTITY #

- TC+6" TOP OF CURB OF COPING (TYP)

## DRAINAGE

- CONDENSATION DRAIN LINE
- DOWNSPOUT
- GUTTER
- OVERFLOW DRAIN
- ROOF DRAIN
- ROOF DRAIN IN SUMP
- SCUPPER
- OVERFLOW SCUPPER
- SCUPPER W/ CONDUCTOR HEAD
- SPLASH BLOCK
- WALL DRAIN

## FLAG POLE

- FLAG POLE
- FLAG POLE W/ GUY WIRES
- LIGHT

## LIGHTING PROTECTION

- LIGHTING TERMINAL & CONDUCTOR
- LIGHTING PROTECTION RISER

## PENETRATIONS

- FAN
- GAS LINE PENETRATION
- ELECTRIC CONDUIT PENETRATION
- CHILLER LINE PENETRATION
- GRAVITY VENT
- GUY WIRE ANCHOR
- PIPE CHASE
- PIPE PENETRATION
- PITCH PAN
- PLUMBING VENT
- POWER ROOF VENT
- ROOF HATCH
- ROOF HATCH W/ PAVERS
- ROOF HATCH W/ WALKWAY
- ROOF VENT PIPE
- POWER VENT
- SATELLITE DISH
- SKYLIGHT
- SOLAR COLLECTOR

## PERIMETERS

- ADJACENT BUILDING
- AREA DIVIDER
- EXPANSION JOINT
- GRAVEL STOP OR METAL FASCIA
- PARAPET WALL
- PENTHOUSE
- RAISED ROOF EDGE
- RIDGE
- TRANSITION WALL
- VALLEY
- WORK POINT or ELEV. BENCH MARK

## PHOTOGRAPHIC

- PHOTOGRAPH
- THERMOGRAM

## PIPE RUNS

- ELECTRIC CONDUIT
- FIRE SPRINKLER LINE
- GAS LINE
- CHILLER LINE

## MISCELLANEOUS

- ABANDONED
- ANTENNA
- AREA DENOTES 4' WIDE STRIP AT PERIMETER
- BALLAST
- COLUMN CAP
- LADDER
- MECHANICAL SCREEN
- NOT INCLUDED IN CONTRACT SLOPE
- TRANSFORMER
- WALKWAY - RAISED
- TRANSITION WALL

## ROOF CONDITIONS

- BUSTERING
- DEBRIS
- LEAK AREA
- MEMBRANE HOLE
- PICTURE FRAMING
- PONDING
- RIDGING
- SPLIT MEMBRANE
- VEGETATION

# CODE INFORMATION

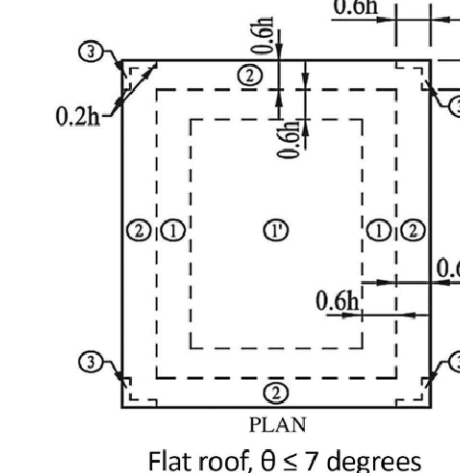
## APPLICABLE CODES & STANDARDS

BUILDING: SOUTH CAROLINA BUILDING CODE 2018  
 EXISTING: SOUTH CAROLINA EXISTING BUILDING CODE 2018  
 MECHANICAL: SOUTH CAROLINA MECHANICAL CODE 2018  
 PLUMBING: SOUTH CAROLINA PLUMBING CODE 2018  
 GAS: SOUTH CAROLINA FUEL GAS CODE 2018  
 ELECTRICAL: NATIONAL ELECTRICAL CODE 2017  
 FIRE: SOUTH CAROLINA FIRE CODE 2018  
 LIFE SAFETY: SOUTH CAROLINA FIRE CODE 2018 CHAPTER 9  
 ENERGY: INTERNATIONAL ENERGY CONSERVATION CODE 2009

## COMPONENT AND CLADDING WIND UPLIFT PRESSURES

CODE: ASCE 7-16, IBC 2018  
 ROOF AREA DIMENSIONS (FEET): REFER ROOF PLAN  
 MEAN ROOF HEIGHT FOR ROOFS: A4, A5, A6, A7, A8 - 15'-0"  
 A1, A2 - 25'-0"  
 A3, A9, A10, A11, A12, A13, A14, B1, B2, B3 - 38'-0"  
 RISK CATEGORY: III  
 EXPOSURE CATEGORY: C  
 BASIC WIND SPEED (THREE-SECOND PEAK GUST, MPH): 113 MPH

LOAD TYPE	ZONE	HEIGHT		
		H = 15'-0"	H = 25'-0"	H = 38'-0"
UNFACTORED LRFD	1	-26.0 PSF	-28.5 PSF	-31.5 PSF
	2	-44.5 PSF	-49.5 PSF	-54.5 PSF
	3	-59.0 PSF	-65.5 PSF	-71.5 PSF
FACTORED ASD	1	-16.0 PSF	-17.5 PSF	-19.0 PSF
	2	-27.0 PSF	-30.0 PSF	-33.0 PSF
	3	-35.5 PSF	-39.5 PSF	-43.0 PSF
FACTORED W/ 2.0 S.F.*	1	-32.0 PSF	-35.0 PSF	-38.0 PSF
	2	-54.0 PSF	-60.0 PSF	-66.0 PSF
	3	-71.0 PSF	-79.0 PSF	-86.0 PSF



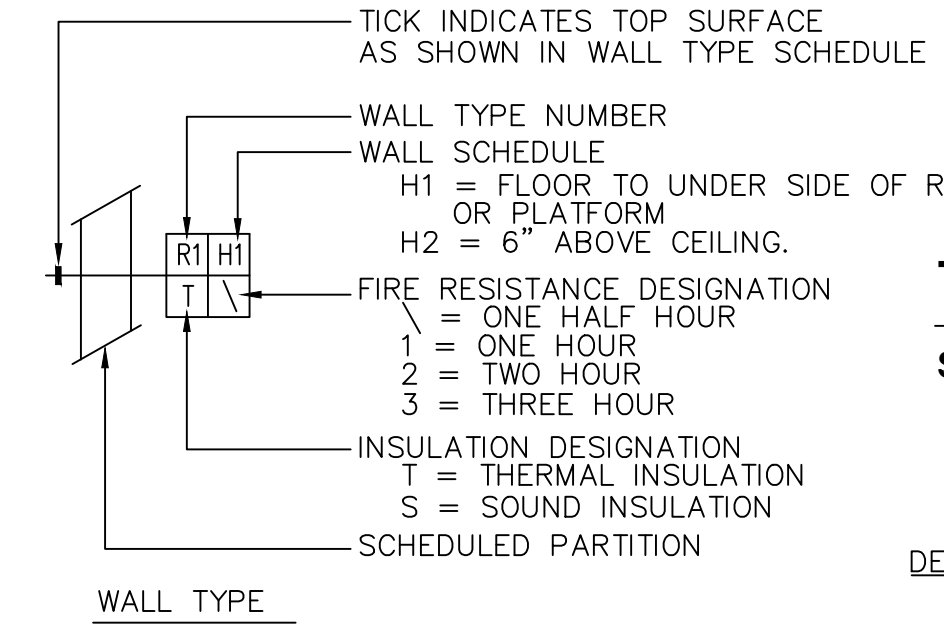
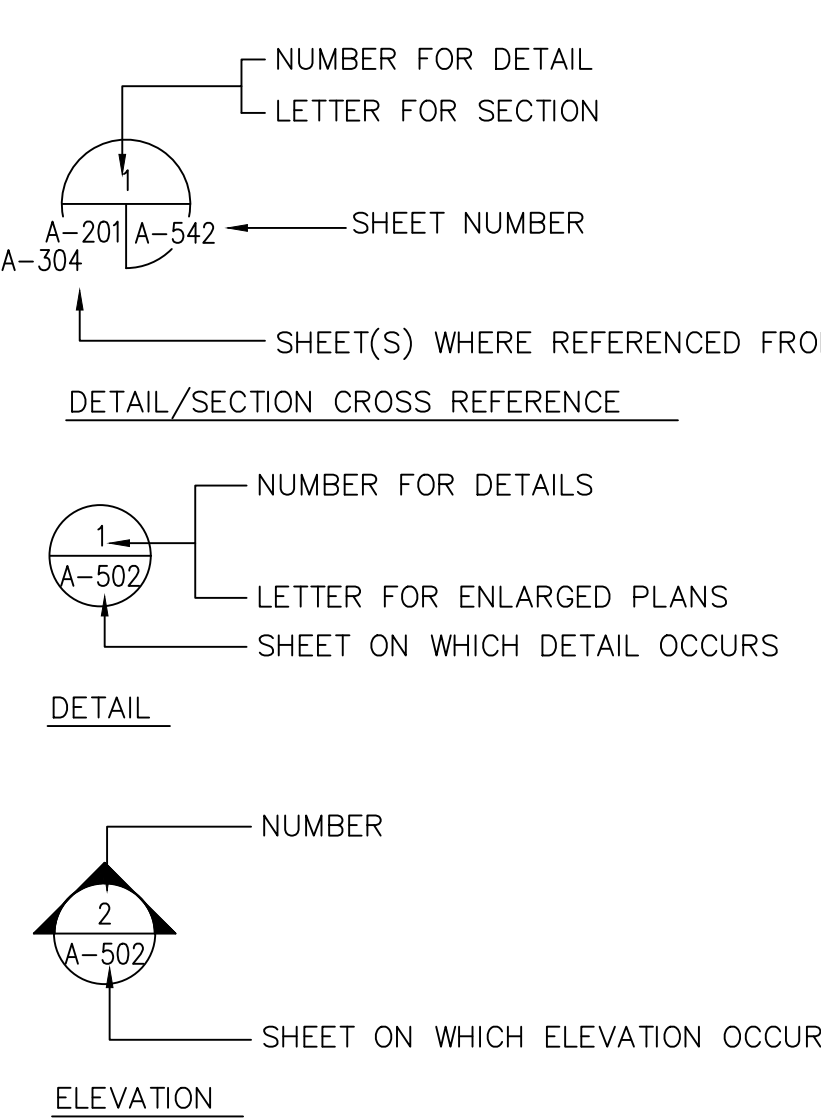
\* ROOFING CONTRACTOR SHALL INSTALL ROOF ASSEMBLY TO MEET OR EXCEED THESE PRESSURES.  
 REFER S-101 AND S-102 FOR WIND ZONE ROOF PLANS.

## PERIMETER ROOF EDGE SECUREMENT

ASCE 7-16 MINIMUM RECOMMENDED DESIGN WIND-RESISTANCE LOADS:

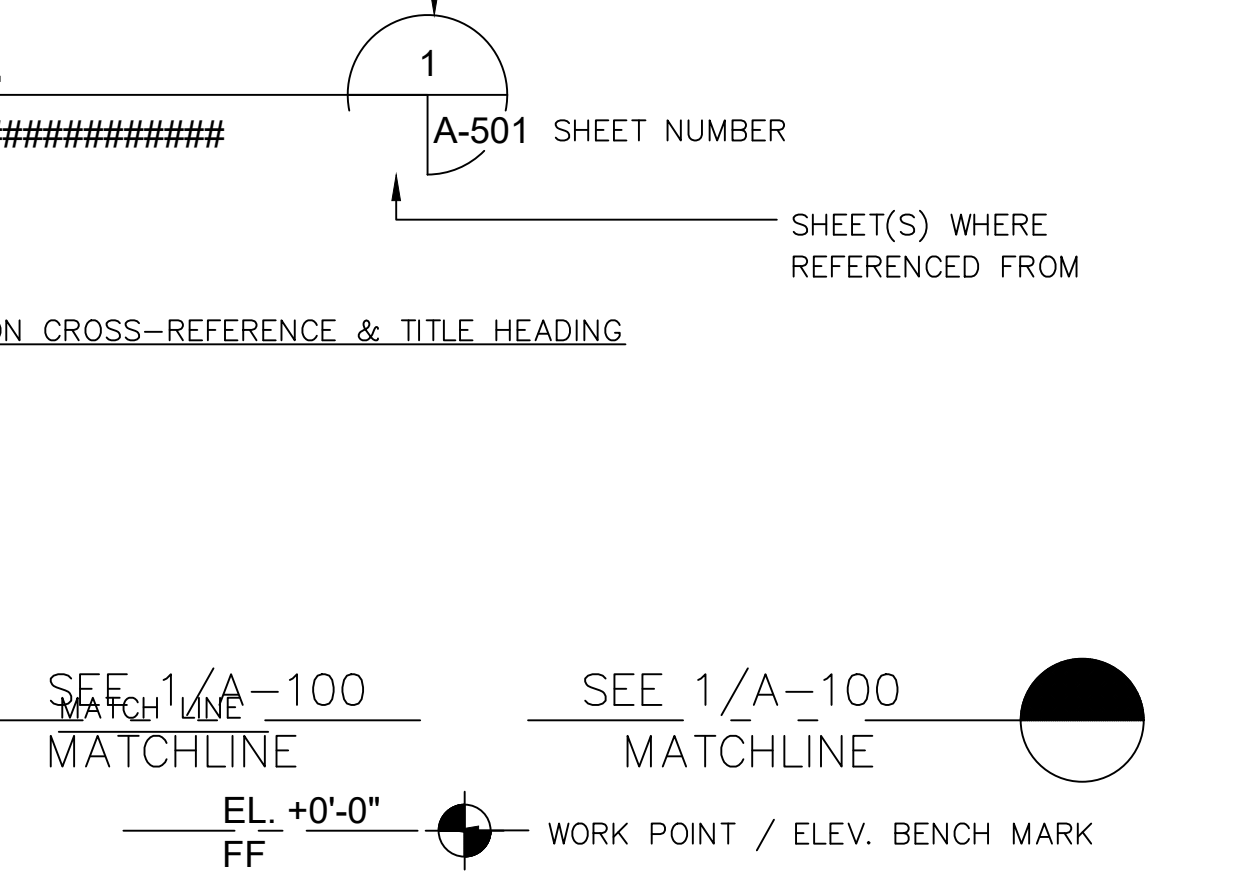
- ZONE 2 (H = 15'-0") (ROOF EDGE PERIMETER, VERTICAL LOAD DIRECTION): 71 PSF
- ZONE 2 (H = 25'-0") (ROOF EDGE PERIMETER, VERTICAL LOAD DIRECTION): 79 PSF
- ZONE 2 (H = 38'-0") (ROOF EDGE PERIMETER, VERTICAL LOAD DIRECTION): 86 PSF
- ZONE 3 (H = 15'-0") (ROOF EDGE CORNERS, VERTICAL LOAD DIRECTION): 96 PSF
- ZONE 3 (H = 25'-0") (ROOF EDGE CORNERS, VERTICAL LOAD DIRECTION): 107 PSF
- ZONE 3 (H = 38'-0") (ROOF EDGE CORNERS, VERTICAL LOAD DIRECTION): 117 PSF
- ZONE 4 (H = 15'-0") (WALL EDGE PERIMETER, HORIZONTAL LOAD DIRECTION): 58 PSF
- ZONE 4 (H = 25'-0") (WALL EDGE PERIMETER, HORIZONTAL LOAD DIRECTION): 58 PSF
- ZONE 4 (H = 38'-0") (WALL EDGE PERIMETER, HORIZONTAL LOAD DIRECTION): 73 PSF
- ZONE 5 (H = 15'-0") (WALL EDGE CORNERS, HORIZONTAL LOAD DIRECTION): 73 PSF
- ZONE 5 (H = 25'-0") (WALL EDGE CORNERS, HORIZONTAL LOAD DIRECTION): 73 PSF
- ZONE 5 (H = 38'-0") (WALL EDGE CORNERS, HORIZONTAL LOAD DIRECTION): 91 PSF

# SECTIONS



## TITLE

SCALE: #####



ITEMS TO BE PROVIDED AND/OR INSTALLED BY THE CONTRACTOR ARE PRECEDED BY A 6-DIGIT CSI NUMBER REFERRING THE SECTION OF THE TECHNICAL SPECIFICATIONS IN WHICH SPECIFIC PRODUCT INFORMATION IS LOCATED. EXISTING ITEMS ARE SIMPLY LABELED "EXISTING".

# MATERIALS LEGEND

- POLYSYCYANURATE
- LWIC-LIGHT WEIGHT INSULATED CONCRETE
- ROOF GYPSUM COVER BOARD
- BATT INSULATION
- PORTLAND CEMENT PLASTER
- PORTLAND CEMENT PLASTER OVER METAL LATH
- EXTERIOR INSULATION & FINISH SYSTEM
- COMPRESSIBLE FILLER
- CONCRETE
- CONCRETE MASONRY UNIT
- TONGUE & GROOVE
- GLASS
- GYPSUM BOARD
- METAL
- PLYWOOD
- WOOD BLOCKING
- CONTINUOUS WOOD MEMBER
- FINISHED WOOD MEMBER
- EARTH

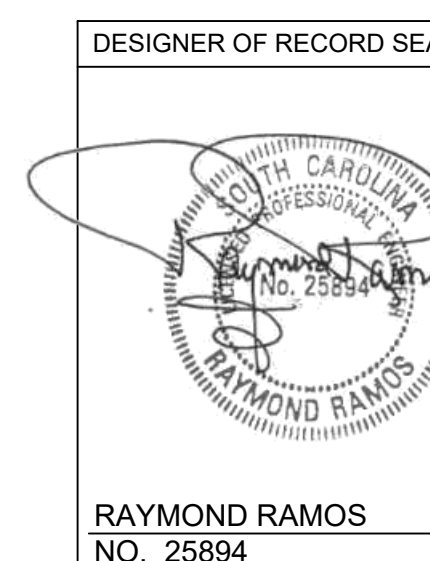
# ABBREVIATIONS

- A/C AIR CONDITIONING
- ACT ACOUSTICAL CEILING TILE or ACOUSTICAL TREATMENT ABOVE FINISHED FLOOR
- AFF AT
- @ BOARD BUILDING
- BD BLOCK
- BLK BLOCKING
- BLK'G MTL BUILD UP ROOFING
- BUR CENTER LINE
- CL CONTROL JOINT
- CLG CEILING
- CMU CONCRETE MASONRY UNIT
- COL COLUMN
- CONC CONCRETE
- CONT CONTINUOUS CONDENSING UNIT
- CU DIAMETER
- DIA DOWN
- DN DOWN SPOUT
- DS DRAWING
- DWG ELECTRIC WATER COOLER
- EWC EXPANSION JOINT
- EJ ELEVATION
- EL EXPANSION
- EXP EXIST'G
- FP FIREPROOF
- FJ FIELD JOINT
- FIN FINISH
- FL FLOOR
- FLASH'G FLASHING
- GA GAUGE
- GALV GALVANIZED
- GL GLASS
- HM HOLLOW METAL
- INSUL INSULATION
- JT JOINT
- LAM LAMINATE
- LAV LAVATORY
- LP LOW POINT
- MAX MAXIMUM
- MECH MECHANICAL
- MTL METAL
- MIN MINIMUM
- MO MASONRY OPENING
- NA NOT APPLICABLE
- NIC NOT IN CONTRACT
- OC ON CENTER
- OPEN'G(OPN'G) OPENING
- PL PLATE
- PLAS. LAM. PLASTIC LAMINATE
- PLYWD PLYWOOD
- PT PRESSURE TREATED
- RAD RADIUS
- RD ROOF DRAIN
- RQDD REQUIRED
- SAT SUSPENDED ACOUSTICAL TILE
- SS STAINLESS STEEL
- SUSP. CLG. SUSPENDED CEILING
- STL SQUARE
- THK THICK
- TREAT'D TREATED
- TOM TOP OF MASONRY
- TOS TOP OF STEEL
- TYP TYPICAL
- VTR VENT THRU ROOF
- VIF VERIFY IN FIELD
- W/ WITH
- W/O WITHOUT
- WD WOOD

# ROOF DRAINAGE CALCULATION

GREENER HIGH SCHOOL								
GREENVILLE, SC 4.1 INCH/HR TABLE B101 (APPENDIX B, 2018 IPC) Q = .01039 (AxI) GPM								
ROOF DESIGNATION	GUTTER/ DRAIN/ SCUPPER	(A) ROOF AREA (S.F.)	(I) RAINFALL RATE INCH/HR	(Q) ROOF DRAIN CAPACITY (GPM)	TOTAL	TRIBUTARY DRAINAGE (GPM)	MINIMUM SIZE	SOURCE
A1, A2	GUTTER	28,210	4.1	1,202	12	100	5" X 6" GU 4" X 6" DS	A1, A2, 1 DS FROM A3 ONTO A2
A3	GUTTER	7,650	4.1	326	5	65	5" X 6" GU 4" X 6" DS	A3, 2 DS FROM C1
A4	DRAIN	8,610	4.1	367	6	61	4" DIA	A4, 4 DS FROM A3
A4	O.F. SCUPPER	8,610	4.1	384	2	192	24" X 4"	A4, RISING WALLS FROM A5 AND A10
A5	GUTTER	4,735	4.1	202	2	101	5" X 6" GU 4" X 6" DS	A5
A6, A7	GUTTER	14,375	4.1	612	10	61	5" X 6" GU 4" X 6" DS	A6, A7
A8	GUTTER	6,100	4.1	260	7	37	5" X 6" GU 4" X 6" DS	A8, 4 DS FROM B1
A9, A10	GUTTER	14,485	4.1	617	18	34	5" X 6" GU 4" X 6" DS	A9, A10, 2 DS FROM C1 ONTO A9
A11, A12	GUTTER	60,280	4.1	2,568	19	135	5" X 6" GU 4" X 6" DS	A11, A12, 18 DS FROM A9 AND A10 ONTO A11
A12	GUTTER	22,515	4.1	959	6	160	5" X 6" GU 4" X 6" DS	A12 (PLAN NORTH AREA - 16,595 S.F.), A12 (PLAN SOUTH AREA - 5,920 S.F.)
B1	GUTTER	17,685	4.1	753	8	94	5" X 6" GU 4" X 6" DS	B1
B2	GUTTER	540	4.1	23	2	12	5" X 6" GU 4" X 6" DS	B2
B3	GUTTER	540	4.1	23	2	12	5" X 6" GU 4" X 6" DS	B3
B4	GUTTER	4,350	4.1	185	4	46	5" X 6" GU 4" X 6" DS	B4, 4 DS FROM B1
C1	GUTTER	3,650	4.1	155	8	19	5" X 6" GU 4" X 6" DS	C1

TABLE INCLUDES NEW ENLARGED OVERFLOW SCUPPER SIZES. REFER TO DRAWINGS FOR ENLARGED OVERFLOW SCUPPER LOCATIONS.

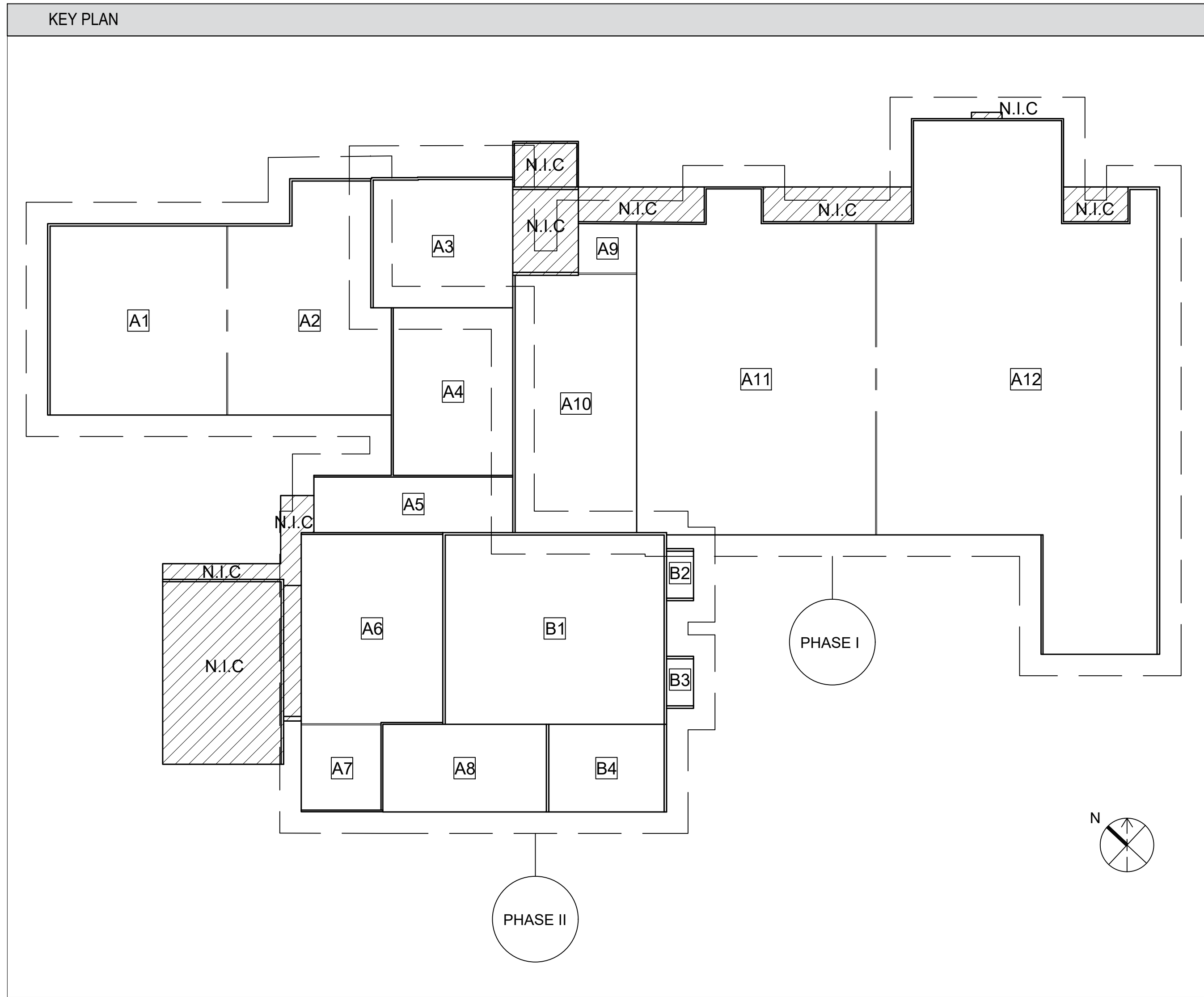


PROJECT TITLE: GREENER HIGH SCHOOL ROOF RECOVER & REPLACEMENT  
 PROJECT ADDRESS: 3000 EAST CAP CREEK ROAD, GREENER, SC 29651  
 SHEET TITLE: GENERAL INFORMATION  
 DRAWING #: G-002  
 REVISION #



PROJECT INFORMATION  
 DRAWING: RAYMOND RAMOS  
 CLIENT'S REPRESENTATIVE: DYLAN JOHNSON  
 APPROVED BY: RAYMOND RAMOS  
 DATE: 03/20/2023  
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ROOF DEMOLITION NOTES	
ITEM	DESCRIPTION
1.	DEMOLITION DETAILS ARE FOR THE ROOFING CONTRACTOR'S CONVENIENCE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXTENT AND TYPE OF ROOF SYSTEM(S) AND RELATED MATERIALS TO BE REMOVED.
2.	ROOFING CONTRACTOR SHALL INCLUDE BUT NOT BE LIMITED TO THE REMOVAL OF ALL EXISTING MEMBRANES, WOOD BLOCKINGS, VAPOR RETARDERS, INSULATION, FLASHINGS, FASTENERS, PAVERS, DRAINS & RELATED MATERIALS DOWN TO THE STRUCTURAL DECK, GUTTERS, DOWNSPOUTS, AND SCUPPER LINERS.
3.	ROOFING CONTRACTOR SHALL COORDINATE WITH THE OWNER TO PROTECT, REMOVE, AND/OR STORE ANY ROOFTOP EQUIPMENT AS NEEDED TO ENABLE THE REMOVAL AND REPLACEMENT OF THE EXISTING ROOFING SYSTEM. REMOVE AND CLEAN MATERIALS FROM WALLS AND ROOF DECK TO PREPARE THE SURFACE TO RECEIVE NEW ROOF SYSTEM.
4.	DAMAGED OR DETERIORATED ROOF DECK UNCOVERED DURING ROOFING DEMOLITION SHALL BE DOCUMENTED BY THE ROOFING CONTRACTOR, REPORTED TO THE DESIGNER OF RECORD, IN WRITING AND REPAIRED OR REPLACED ON A UNIT PRICE BASIS.
5.	THE CONTRACTOR SHALL ENSURE THAT THE ROOF AND ALL FLASHINGS REMAIN WATERTIGHT THROUGHOUT CONSTRUCTION.
6.	LIMIT ROOFING SYSTEM REMOVAL TO AN AREA WHICH CAN BE MADE WATERTIGHT WITH THE INITIAL MEMBRANE AT THE END OF EACH WORKING DAY OR SOONER AS REQUIRED DUE TO WEATHER.
7.	THE ROOFING CONTRACTOR SHALL PHOTO DOCUMENT ALL EXISTING ROOFTOP EXHAUST FANS, AND ANY OTHER EQUIPMENT PRIOR TO THE START OF WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ANY EQUIPMENT FOUND TO BE MALFUNCTIONING OR INOPERABLE AFTER THE WORK AT NO COST TO THE OWNER IF SUCH EQUIPMENT WAS NOT REPORTED PRIOR TO THE START OF WORK.
8.	TEMPORARILY DISCONNECT AND RECONNECT ANY DOORS, MECHANICAL/ELECTRICAL LINES AND EQUIPMENT AS NECESSARY TO DISPOSE OF THE ROOF SYSTEM AND RELATED MATERIAL. COORDINATE DISCONNECTION AND RECONNECTION WITH OWNER. THE ROOFING CONTRACTOR SHALL REMOVE ALL EXISTING ITEMS WHICH INTERFERE WITH THE INSTALLATION OF THE NEW ROOF SYSTEM AND RELATED WORK. ALL SUCH EQUIPMENT AND ITEMS SHALL BE TEMPORARILY RE-ROUTED AS NECESSARY IF IT REQUIRED TO STAY IN SERVICE. ANY ITEMS NOT REQUIRED TO STAY IN SERVICE SHALL BE PROPERLY STORED BY THE SUB CONTRACTOR AND REINSTALLED AT THE COMPLETION OF THE WORK. ALL ELECTRICAL, MECHANICAL AND PLUMBING WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS. ALL REINSTALLATION WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING WORK WHICH DOES NOT CONFORM TO APPLICABLE CURRENT CODES SHALL BE REPORTED TO OWNER.
9.	REMOVE ALL ABANDONED PENETRATIONS AND CLOSE THE ASSOCIATED OPENINGS IN THE ROOF DECK AS SPECIFIED. REMOVAL OF ABANDONED PENETRATIONS IS TO BE INCLUDED IN THE BASE BID.

GENERAL CONSTRUCTION NOTES	
A	THE ROOFING CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD. THIS INCLUDES THE VERIFICATION OF THE EXACT LOCATIONS, DIMENSIONS, AND QUANTITIES OF ALL ROOFTOP EQUIPMENT AND APPURTENANCES INCLUDING BUT NOT LIMITED TO VENT PIPES, DRAINS, FLUTE PIPES, HOT STACK CURBS, BASE FLASHINGS, AND ALL OTHER PENETRATIONS. THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF RECORD OF ANY EXISTING CONDITIONS THAT DO NOT MATCH WHAT IS SHOWN IN THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING A BID. NO ADDITIONAL COSTS TO THE OWNER WILL BE ACCEPTED ONCE THE PROJECT HAS BEEN AWARDED.
B	THE BUILDING MAY BE FULL OR PARTIALLY OCCUPIED CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION. AND SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THE NEEDS OF THE BUILDING OCCUPANTS.
C	ROOFING CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN, INCLUDING GROUNDS, EXTERIOR SURFACES AND THE INTERIOR OF THE BUILDING. DAMAGE CONDITION BY THE SUB CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. ALL REPAIR WORK MUST CONFORM TO THE ORIGINAL CONDITIONS AND SATISFY TO THE OWNER AND DESIGNER OF RECORD.
D	ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL CODES AND AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
E	ALL DETAILS INDICATE MINIMUM INSTALLATION REQUIREMENTS. IF THE MANUFACTURER'S STANDARD DETAILS ARE MORE STRINGENT, IN THE OPINION OF DESIGNER OF RECORD, THEY SHALL GOVERN. IF THE DETAILS SHOWN ARE MORE STRINGENT THAN THE MANUFACTURER'S STANDARD DETAILS, IN THE OPINION OF THE DESIGNER OF RECORD, THE DETAILS SHOWN SHALL GOVERN. REGARDLESS OF THE MANUFACTURER'S WILLINGNESS TO WARRANT/GUARANTY THE LESSER DETAIL. BY SUBMITTING A BID FOR THIS PROJECT, IT IS UNDERSTOOD THAT THE SUB CONTRACTOR AND MANUFACTURER AGREE TO WARRANTY/GUARANTY THE DETAILS SHOWN. THE DESIGNER OF RECORD MAY, BUT IS NOT OBLIGATED TO, ACCEPT ANY PROPOSED CHANGES TO THE DETAILS SHOWN.
F	THE ROOFING CONTRACTOR IS TO PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE AND WATERTIGHT JOB WHICH IS FULLY WARRANTED/GUARANTEED BY THE MANUFACTURER AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. ANY DETAILS OR WORK REQUIRED FOR A COMPLETE JOB, BUT NOT SHOWN OR SPECIFIED BY THE CONTRACT DOCUMENTS, SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER. ANY ADDITIONAL LABOR AND MATERIAL REQUIRED TO MEET MANUFACTURER'S WARRANTY/GUARANTY REQUIREMENTS, BUT NOT INDICATED BY THE CONTRACT DOCUMENTS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
G	ALL WOOD BLOCKING USED IN THE ROOFING WORK SHALL BE MINIMUM 2X6 PRESSURE TREATED.
H	ALL NEW CRICKETS/GUSSETS TO BE TAPERED ISO DOUBLE THE SLOPE OF ROOF (e.g. 1/2" PER FOOT FOR 1/4" PER FOOT ROOF SLOPE)
I	PROVIDE CRICKET BEHIND ALL ROOF CURBS GREATER THAN 30" WIDE AS NEEDED TO PREVENT THE ACCUMULATION OF WATER AGAINST THE UNIT.
J	ADDITIONAL DETAILS NOT KEYED ON ROOF PLAN MAY BE INCLUDED AND SHALL BE INSTALLED AS NECESSARY.

GENERAL SCOPE OF WORK	
1.	ROOF RECOVER AND REPLACEMENT WITH ASSOCIATED WORK.
2.	REFER TO ROOF PLANS, DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PROTECTION NOTES	
1.	THE BUILDING WILL REMAIN FUNCTIONAL THROUGHOUT THE CONSTRUCTION PERIOD. ROOFING CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT CONTENTS AND OCCUPANTS.
2.	NO MORE ROOFING SHALL BE REMOVED THAN CAN BE INSTALLED, WITH THE COMPLETE NEW ROOF SYSTEM EACH DAY, EXCEPT AS OTHERWISE APPROVED.
3.	THE BUILDING SHALL BE WATERTIGHT AT THE END OF EACH DAYS CONSTRUCTION AND WHEN INCLEMENT WEATHER THREATENS.
4.	THE ROOFING CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE BUILDING, EXTERIOR, INTERIOR AND GROUNDS, INCLUDING ANY LANDSCAPING, AND ALL PROMENADE CONCRETE WITHIN THE PROJECT SCOPE.
5.	ANY SURFACES STAINED, MARKED, MARRED, OR DAMAGED BY THE CONTRACTOR SHALL BE RETURNED TO ORIGINAL CONDITION AND TO MATCH ADJACENT SURFACES.
6.	THE SEQUENCE OF WORK SHALL MINIMIZE CONSTRUCTION TRAFFIC ON THE NEW WORK.

GENERAL NOTES	
1.	ALL BUILDING DIMENSIONS, EXISTING CONDITIONS, ITEM LOCATIONS, AND SIZES AND QUANTITIES OF PENETRATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
2.	LAYDOWN/STORAGE AREA IS LIMITED AND SHALL BE AS APPROVED BY THE OWNER.
3.	PRIOR TO PERFORMING WORK, THE CONTRACTOR SHALL INSPECT THE WORK SITE AND EXISTING CONSTRUCTION FOR POTENTIAL SAFETY HAZARD AND PROVIDE FOR THE SAFETY AND PROTECTION OF WORKERS AND OCCUPANTS THROUGHOUT COURSE OF WORK. COMPLY WITH OSHA AND LOCAL BUILDING CODE REQUIREMENTS.
4.	BUILDING ACCESS IS RESTRICTED AND ALLOWED ONLY AS REQUIRED TO ACCOMPLISH CONTRACT WORK. COORDINATE ANY REQUIRED ACCESS WITH THE OWNER.
5.	WORK INCLUDES ROOF REPLACEMENT OF ONLY THE INDICATED ROOF AREAS.
6.	SITE SHALL BE CLEANED AND SECURED ON A DAILY BASIS.

		<b>DESIGNER OF RECORD SEAL</b> RAYMOND RAMOS NO. 25894	
PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT PROJECT ADDRESS: 3000 EAST CREEK ROAD GREER, SC 29615		<b>GENERAL NOTES</b>	
DRAWING #: <b>G-003</b>		REVISION #: 	
PROJECT INFORMATION DRAWING: COVER SHEET GREENVILLE COUNTY SCHOOLS CLIENT'S REPRESENTATIVE: DYLAN JOHNSON APPROVED: [Signature] DATE: 03/20/2023 RAYMOND RAMOS		PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS 301 EAST CAMPBELL DRIVE GREENVILLE, SC 29601	
PROJECT INFORMATION DRAWING: COVER SHEET GREENVILLE COUNTY SCHOOLS CLIENT'S REPRESENTATIVE: DYLAN JOHNSON APPROVED: [Signature] DATE: 03/20/2023 RAYMOND RAMOS		NOTICE THE INFORMATION IN THIS DOCUMENT INCORPORATES PROPRIETARY RIGHTS OF RAYMOND RAMOS. ANY REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF RAYMOND RAMOS IS STRICTLY PROHIBITED.	
		<b>RAYMOND RAMOS</b> NO. 25894	

ISSUED FOR		DESCRIPTION OF REVISIONS	
NO.	DATE	NO.	DATE
1	01/11/2023		
2	04/27/2023		
3	07/18/2023		
4	03/20/2023		
5	03/20/2023		
6	03/20/2023		
7	03/20/2023		
8	03/20/2023		
9	03/20/2023		

SHEET NOTES		LEGEND	
1.	CONTRACTOR SHALL PROTECT FIRE EXITS AT ALL TIMES DURING CONSTRUCTION. AT NO TIME SHALL AN EXIT BE BLOCKED BY MATERIALS, LADDERS, DEBRIS, OR OTHER.	EXIT	BUILDING EXIT
2.	WHEN WORK IS OCCURRING DIRECTLY ABOVE AN EXIT A WORKER SHALL BE STAGED ON THE GROUND BY THE EXIT TO STOP WORK AS NEEDED TO ENSURE A SAFE ENVIRONMENT.	---	MATERIAL STAGING AREA
3.	MATERIAL STORAGE LOCATIONS SHALL BE COORDINATED WITH THE OWNER DURING CONSTRUCTION. MATERIALS MAY NEED TO BE MOVED THROUGH OUT THE SCHOOL YEAR TO ACCOMMODATE CHANGING OWNER USE. REFER TO SPECIFICATIONS FOR MATERIAL STORAGE REQUIREMENTS.		
4.	SCHOOL GROUNDS SHALL BE RESTORED TO THE CONDITION THEY WERE IN PRIOR TO CONSTRUCTION.		

**SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION**  
**Form F3 -- Re-Roofing Analysis**  
 Date: MARCH 13, 2022

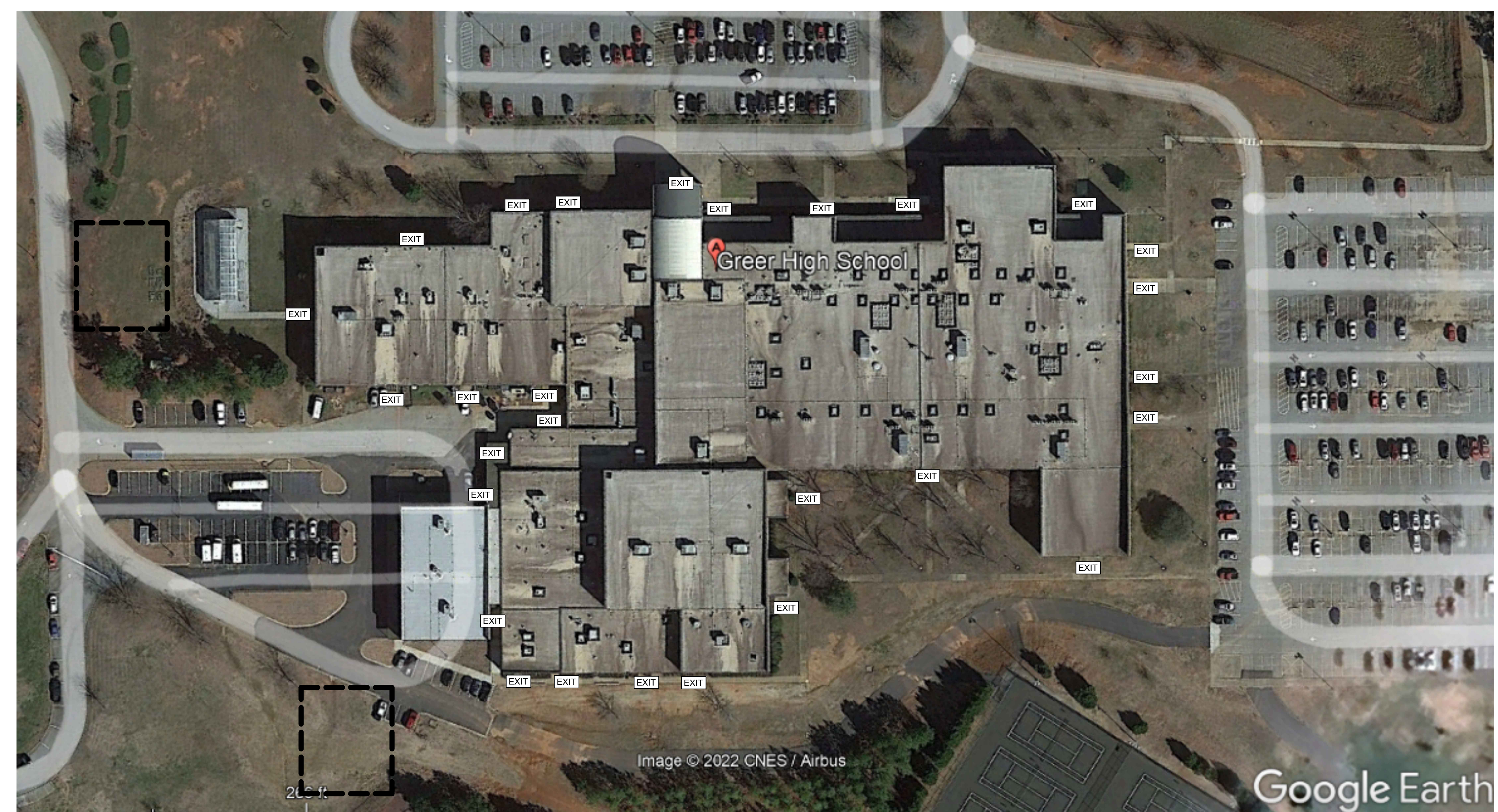
SUBMITTAL:  Schematic  Design Development  Construction Document

SC CODE EDITION: 2021 ICC CODE EDITION: 2021 ICC A117.1 EDITION: 2017 OSF GUIDE EDITION: 2018  
 OTHER CODES/STANDARDS & EDITIONS: REFER TO G-002 AND SPECIFICATION SECTION 01 42 19 REFERENCE STANDARDS

PROJECT DESCRIPTION: [Brief Scope of Work & Include project delivery method (i.e. CMR, etc.)]  
 ROOF RECOVER, REFER TO SPECIFICATION SECTION 01 11 00 SUMMARY OF WORK, DESIGN-BID-BUILD.

BASIC RE-ROOFING CODE INFORMATION						
DESIGNATED AREAS OF BUILDING	Building Code	Area 1 A1-A12	Area 2 B1-B4	Area 3	Area 4	Area 5
CONSTRUCTION CLASSIFICATION TYPE	Section 602	TYPE IIA	TYPE IIA			
Roof Construction including supporting beams & joist	Table 601	-	-	-	-	-
As Required, Hrs		1	1			
As Designed, Hrs		1	1			
Testing Agency & Design No. (UL, FM, etc.)		UL P-508 - RECOVER PER IBC	EXISTING ASSEMBLY NOT AVAILBLE. NEW ROOF TO MEET CLASS A			
Wall/Partition Key Code		N/A	N/A			

1 of 2 Version May 2021



3 SITE PLAN  
 SCALE: N.T.S.

1 SC STATE DEPARTMENT OF EDUCATION FORM F-3 PAGE 1  
 SCALE: N.T.S.

**SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION**  
**Form F3 -- Re-Roofing Analysis**

STRUCTURAL DESIGN INFORMATION, BUILDING		CONSTRUCTION DOCUMENTS	
WIND LOADS	Analysis Procedure (ASCE 7 or SCBC 1609.6) Basic design Wind Speed, MPH (3 see gust IBC Fig 1609.3) Exposure Category Wind Importance Factor (ASCE 7 Table 1.5-2) Internal Pressure Coefficient (ASCE 7) External Pressure Coefficient (ASCE 7)	ASCE 7-16 = V 113 MPH C = I <sub>w</sub> RISK III 0.18 = GC <sub>p</sub> = GC <sub>e</sub>	I. Signed, sealed and dated drawings II. Fully coordinated within and with the Project Manual.
ADDITIONAL QUESTIONS		PROJECT MANUAL	
1. Prepare a site plan showing the life safety plan during construction and any additional details on how the contractor will keep the school administration informed about issues that may affect daily operations in the building.		I. Signed, sealed and dated II. Fully coordinated within and with the Construction Documents * This information shall be part and within the drawing sheet set.	
2. Will there be additional weight added to the existing structure?	YES, LESS THAN 5%.		
3. What will the insulation values be in areas being reroofed? Confirm the insulation will meet current energy codes.	NOT REQUIRED, RECOVER. TEAR OFF AREAS WILL MEET R-20 MIN.		
4. Will the existing roof drainage stay the same and meet current code?	YES		
5. What will the new roof assembly consist of?	REFER TO DETAIL 1 & 2/A-501		
6. What type of inspections will be performed?	RAYMOND OBSERVERS WILL PERFORM PERIODIC OBSERVATIONS AND PUNCHLIST INSPECTIONS		
7. Once the project is complete send a copy of the Warranty Letter to OSF.			
8. Is there roof mounted equipment (mechanical or other) and if new equipment curbs or curb adaptors would be needed.	NO NEW CURBS/ADAPTORS ARE NEEDED		

2 of 2 Version May 2021

2 SC STATE DEPARTMENT OF EDUCATION FORM F-3 PAGE 2  
 SCALE: N.T.S.

PROJECT INFORMATION		PROJECT DESIGNED FOR	
RAYMOND PROJECT NUMBER: G-002-002	DATE: 03/20/2023	PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT	PROJECT ADDRESS: 3000 EAST GAP CREEK ROAD, GREER, SC 29615
DRAWN BY: CONNOR SALAS	APPROVED BY: DYLAN JOHNSON	SHEET TITLE: SOUTH CAROLINA DOE FORM F3	DESIGNER OF RECORD SEAL: RAYMOND RAMOS, No. 25894
CLIENT'S REPRESENTATIVE: DYLAN JOHNSON	RENDERED BY: RAYMOND RAMOS	DRAWING #: G-004	REVISION #: #
DATE: 03/20/2023	NOTICE: THE INFORMATION IN THIS DOCUMENT IS PROPRIETARY RIGHTS OF RAYMOND. ANY REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF RAYMOND IS PROHIBITED.		
RAYMOND RRAMOS ARCHITECTURE & ENGINEERING 1905 SC HWY 14, GREENVILLE, SC 29602 WWW.RAYMONDGLOBAL.COM	RAYMOND RAMOS No. 25894		



### LEGEND

	PARAPET WITH COPING		HEAT VENT STACK (HV)
	ROOF OUTLINE/GRAVEL STOP FASCIA		SOIL VENT PIPE (SVP)
	ELEVATION CHANGE		PIPE PENETRATION (PP)
	ROOFTOP UNIT (RTU)		LIGHTNING PROTECTION (LP)
	ABANDONED CURB (AC)		EXISTING GAS LINE (EGL)
	SMOKE HATCH (SH)		EXPANSION JOINT (EJ)
	SLEEPER CURB (SC)		OVERFLOW SCUPPER (OS)
	EXHAUST FAN (EF)		PRIMARY ROOF DRAIN (PRD)
	PORTAL/DUCT CURB (PC/DC)		DOWNSPOUT (DS)
	ROOF HATCH		GUTTER (GU)
	LADDER		ANOMALIES

- ### SHEET NOTES
- SEE SHEETS A-501, FOR ROOF COMPOSITION DETAILS.
  - REFER TO SUMMARY OF WORK AND SPECIFICATIONS.
  - REMOVE AGGREGATE SURFACING, CANT STRIPS, AND BASE FLASHINGS, AS REQUIRED TO PROVIDE A SMOOTH SUBSTRATE.
  - REMOVE METAL FLASHINGS, DOWN SPOUTS CONDUCTOR HEADS AND SCUPPER LINERS.
  - REMOVE ALL INSULATION AND ASSOCIATED ROOFING MATERIALS DOWN TO THE STRUCTURAL DECK AT ALL ANOMALY AREAS MARKED ON THE DRAWINGS.
  - RAISE PIPES, CURBS AND PARAPETS TO ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SURFACE.
  - REMOVE DRAIN STRAINERS AND DRAIN BOWLS AND DISCARD.
  - SCRAPE, PRIME, AND PAINT LADDERS. SECURE ANY LOOSE LADDER FASTENERS.
  - PREPARE SURFACE AND PAINT ALL GAS LINES SAFETY YELLOW.
  - REMOVE ALL ABANDONED PENETRATIONS AND PATCH ASSOCIATED DECK OPENINGS AS SPECIFIED.
  - ENLARGE THE TWO EXISTING OVERFLOW SCUPPERS ON ROOF AREA A4 TO BE 24" IN LENGTH X 4" MINIMUM HEIGHT.

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3	07/18/2023	RECOVER REDESIGN FOR CONSTRUCTION	
4	08/20/2023	2023 UPDATE FOR CONSTRUCTION	
5			
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7			
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**RAYMOND**  
ARCHITECTURE & ENGINEERING

RAYMOND RAMOS  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF SOUTH CAROLINA  
LICENSE NO. 19025

RAYMOND RAMOS  
REGISTERED PROFESSIONAL ARCHITECT  
STATE OF SOUTH CAROLINA  
LICENSE NO. 19025

WWW.RAYMONDGLOBAL.COM

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**GREENVILLE COUNTY SCHOOLS**  
Where Enlightening Starts!

GREENVILLE COUNTY SCHOOLS  
301 EAST CAMPBELL AVENUE  
GREENVILLE, SC 29601

PROJECT TITLE: GREENER HIGH SCHOOL ROOF RECOVER & REPLACEMENT

PROJECT ADDRESS: 3000 EAST CAMP CREEK ROAD, GREER, SC 29615

DESIGNER OF RECORD SEAL: RAYMOND RAMOS, REGISTERED PROFESSIONAL ARCHITECT, STATE OF SOUTH CAROLINA, LICENSE NO. 19025

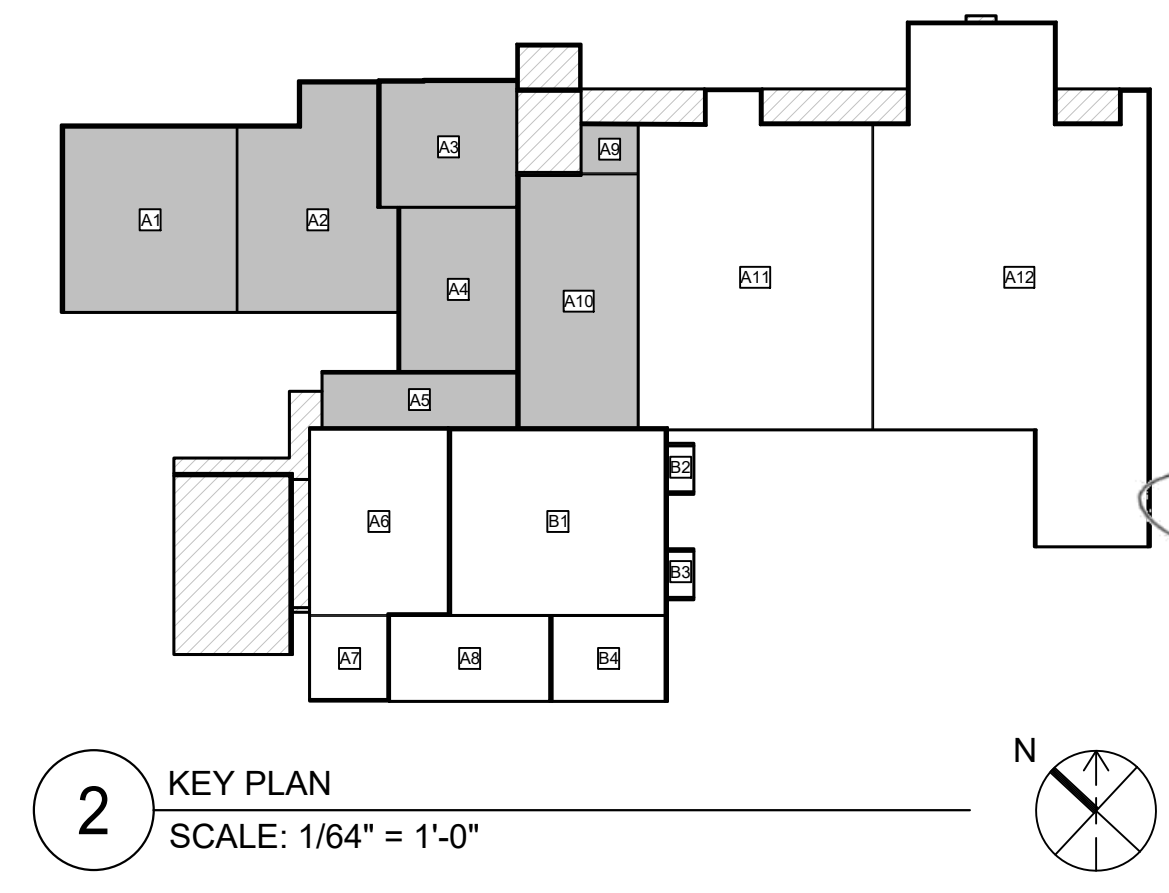
PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS

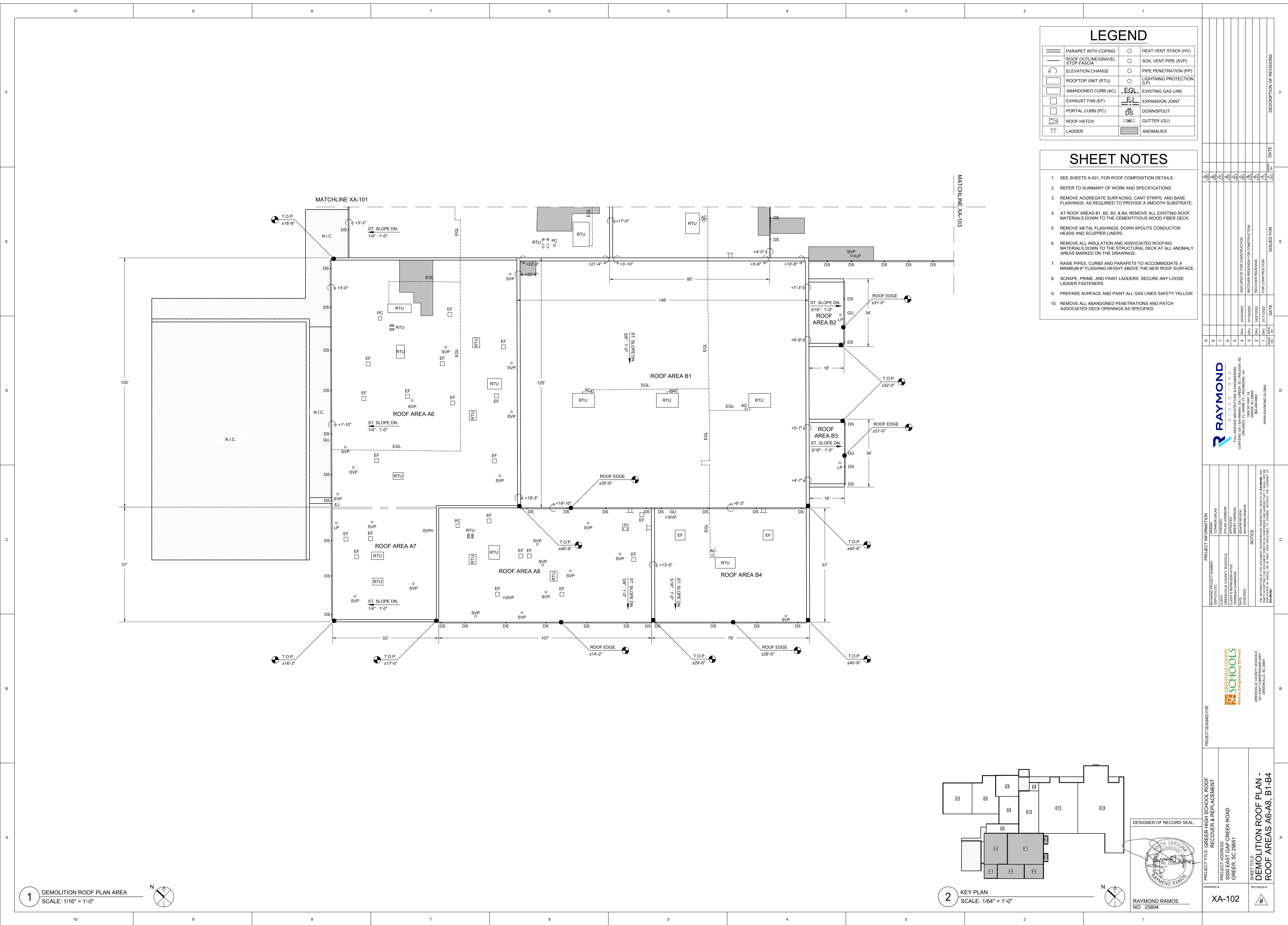
SHEET TITLE: DEMOLITION ROOF PLAN - ROOF AREAS A1-A5, A9, A10

DRAWING #: XA-101

REVISION #:

**1** DEMOLITION ROOF PLAN AREA  
SCALE: 1/16" = 1'-0"





### LEGEND

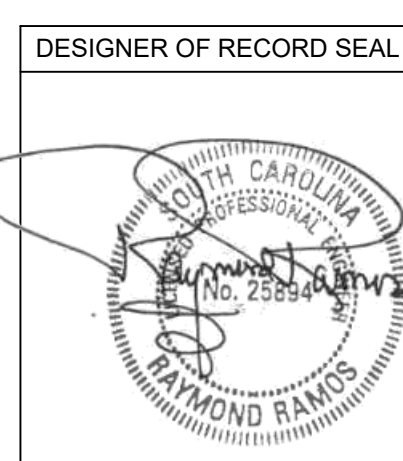
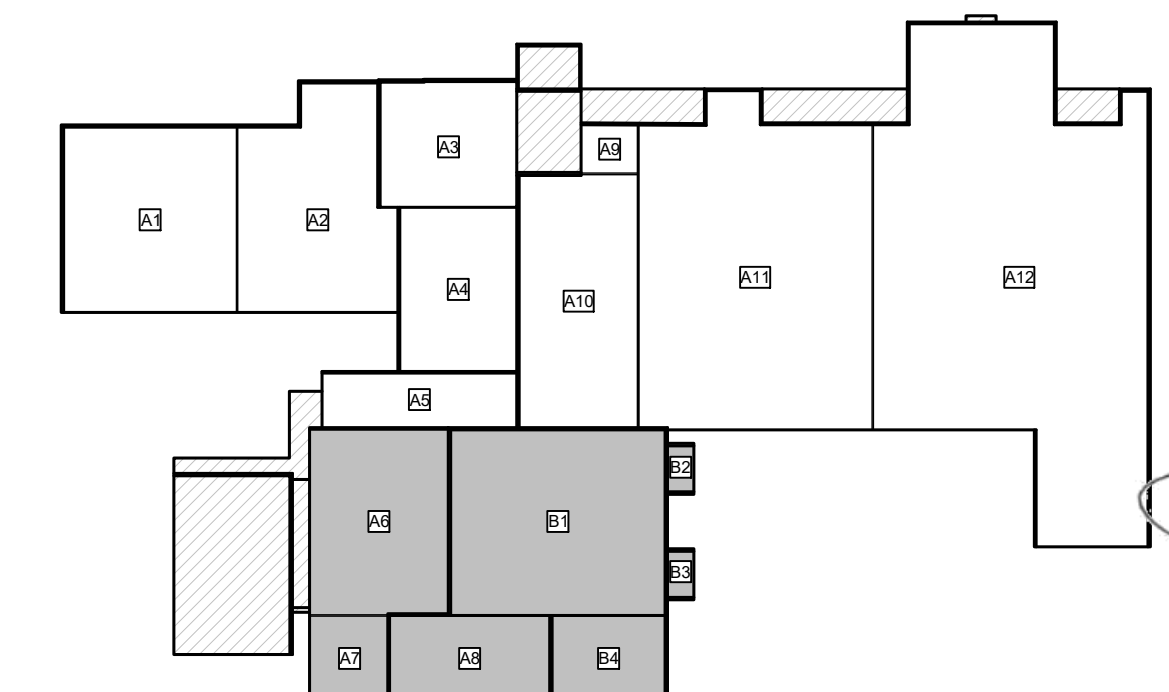
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- ### SHEET NOTES
- SEE SHEETS A-501, FOR ROOF COMPOSITION DETAILS.
  - REFER TO SUMMARY OF WORK AND SPECIFICATIONS.
  - REMOVE AGGREGATE SURFACING, CANT STRIPS, AND BASE FLASHINGS, AS REQUIRED TO PROVIDE A SMOOTH SUBSTRATE.
  - AT ROOF AREAS B1, B2, B3, & B4, REMOVE ALL EXISTING ROOF MATERIALS DOWN TO THE CEMENTITIOUS WOOD FIBER DECK.
  - REMOVE METAL FLASHINGS, DOWN SPOUTS CONDUCTOR HEADS AND SCUPPER LINERS.
  - REMOVE ALL INSULATION AND ASSOCIATED ROOFING MATERIALS DOWN TO THE STRUCTURAL DECK AT ALL ANOMALY AREAS MARKED ON THE DRAWINGS.
  - RAISE PIPES, CURBS AND PARAPETS TO ACCOMMODATE A MINIMUM 8" FLASHING HEIGHT ABOVE THE NEW ROOF SURFACE.
  - SCRAPE, PRIME, AND PAINT LADDERS. SECURE ANY LOOSE LADDER FASTENERS.
  - PREPARE SURFACE AND PAINT ALL GAS LINES SAFETY YELLOW.
  - REMOVE ALL ABANDONED PENETRATIONS AND PATCH ASSOCIATED DECK OPENINGS AS SPECIFIED.

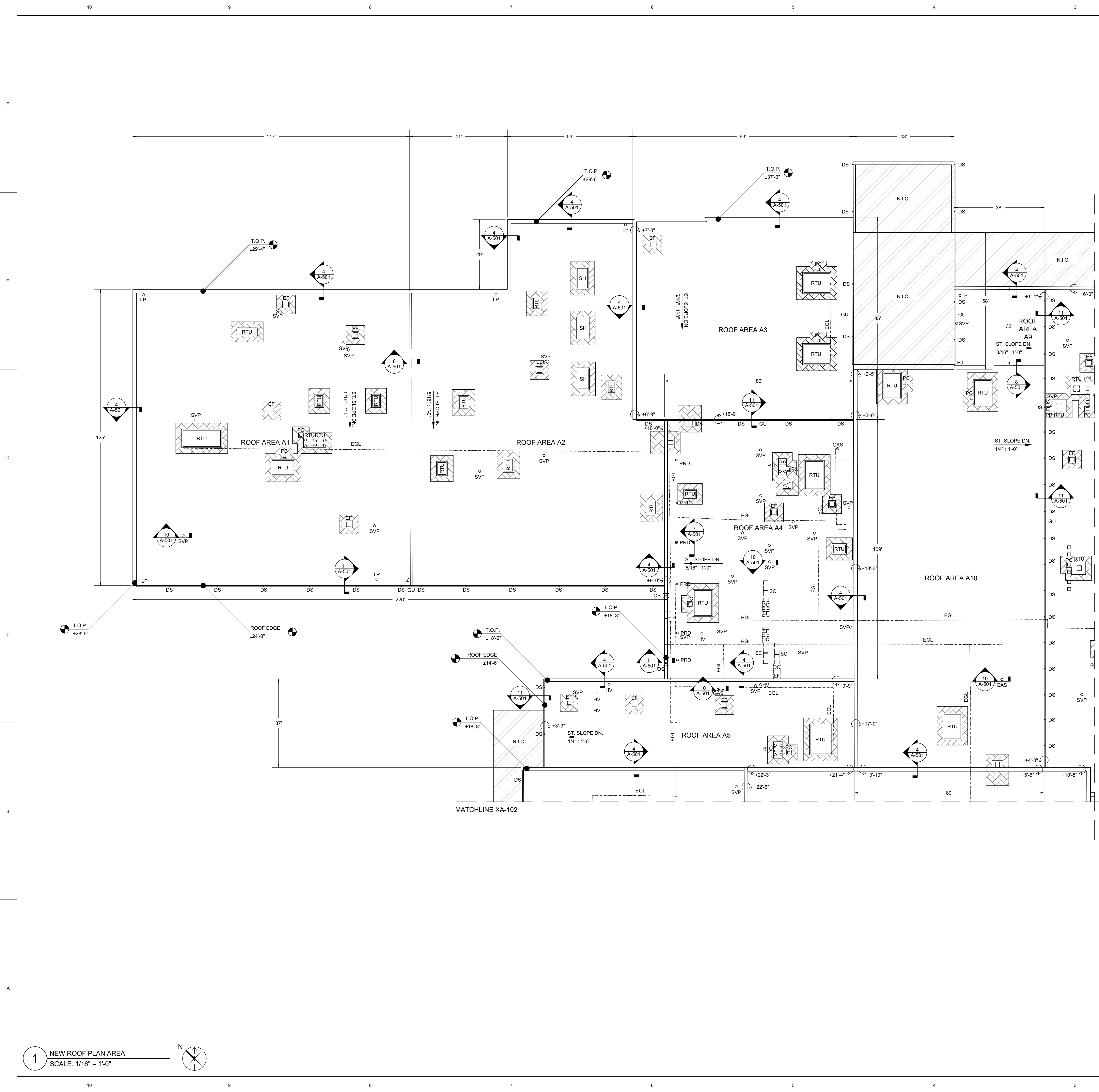
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<p><b>RAYMOND</b>  <small>RAYMOND RAMOS ARCHITECTURE &amp; ENGINEERING</small>  <small>1905 SC HWY 14, SUITE 200</small>  <small>GREENVILLE, SC 29602</small>  <small>WWW.RAYMONDGLOBAL.COM</small></p>		<p><b>GREENVILLE COUNTY SCHOOLS</b>  <small>Where Enlightening Strives!</small>  <small>GREENVILLE COUNTY SCHOOLS</small>  <small>301 EAST CAMPBELL AVENUE</small>  <small>GREENVILLE, SC 29601</small></p>																																																					
<p>PROJECT DESIGNED FOR:  <b>GREENVILLE COUNTY SCHOOLS</b>  <small>3000 EAST CAMP CREEK ROAD</small>  <small>GREENVILLE, SC 29651</small></p>		<p>PROJECT TITLE:  <b>DEMOLITION ROOF PLAN -</b>  <b>ROOF AREAS A6-A8, B1-B4</b></p>																																																					
<p>DESIGNER OF RECORD SEAL:  </p>		<p>RAYMOND RAMOS  <small>NO. 25894</small></p>																																																					
<p>DRAWING #:  <b>XA-102</b></p>		<p>REVISION #:  </p>																																																					

**1** DEMOLITION ROOF PLAN AREA  
 SCALE: 1/16" = 1'-0"

**2** KEY PLAN  
 SCALE: 1/64" = 1'-0"







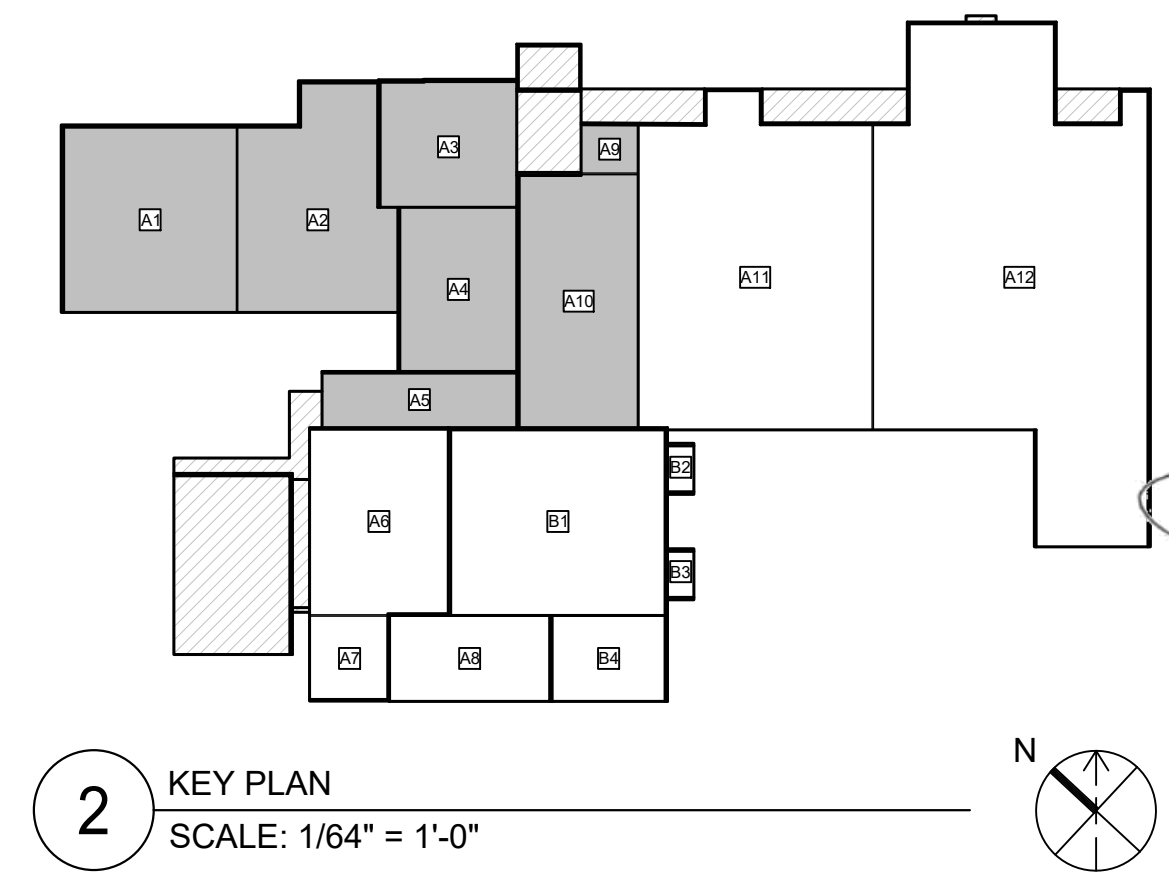
### LEGEND

	PARAPET WITH COPING		HEAT VENT STACK (HV)
	ROOF OUTLINE/GRAVEL STOP FASCIA		SOIL VENT PIPE (SVP)
	ELEVATION CHANGE		PIPE PENETRATION (PP)
	ROOFTOP UNIT (RTU)		LIGHTNING PROTECTION (LP)
	SMOKE HATCH (SH)		EXISTING GAS LINE (EGL)
	EXHAUST FAN (EF)		EXPANSION JOINT
	PORTAL/DUCT CURB (PC/DC)		OVERFLOW SCUPPER (OS)
	ROOF HATCH		PRIMARY ROOF DRAIN (PRD)
	LADDER		DOWNSPOUT (DS)
	WALK PAD		GUTTER (GU)

- ### SHEET NOTES
- SEE SHEET A-501 FOR ROOF COMPOSITION DETAILS.
  - REFER TO SUMMARY OF WORK AND SPECIFICATIONS.
  - ROOF AREAS A1, A2, A3, A4, A5, A9, A10 - APPLY NEW ADHERED COVER BOARD AND NEW ADHERED 80-MIL TPO ROOF SYSTEM WITH MECHANICAL ENHANCEMENT PER SPECIFICATIONS.
    - DUCTIVE ALTERNATE NO. 1 - 60-MIL TPO
  - FURNISH AND INSTALL NEW COPINGS, DOWN SPOUTS, SCUPPER LINERS, AND OTHER ASSOCIATED FLASHINGS AS SPECIFIED. DOWNSPOUT SIZES ARE TO MATCH EXISTING.
  - FURNISH AND INSTALL NEW DRAIN ASSEMBLIES AT ALL DRAIN LOCATIONS PER SPECIFICATIONS.
  - FURNISH AND INSTALL NEW GUTTER ASSEMBLY 5" X 6" (MIN) GUTTER AND 4" X 6" (MIN) DOWNSPOUTS AT ROOF AREAS A1, A2, A3, A5, A9, A10.
  - FURNISH AND INSTALL NEW WALK PADS AROUND ALL RTUS, ROOF HATCHES, AND EXHAUST FANS, AND AT THE BASE OF ALL ACCESS LADDERS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
  - FURNISH AND INSTALL NEW CRICKETS ON THE UPSLOPE SIDE OF ANY PENETRATION GREATER THAN 30" WIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET COVERINGS SHALL BE OF THE SAME MATERIAL AS THE ROOF COVERING. CRICKET WIDTH SHALL BE A MINIMUM OF 1/3 THE CRICKET LENGTH. CRICKET WIDTH MAY BE REDUCED TO PREVENT FONDING.

 RAYMOND ARCHITECTURE & ENGINEERING 1905 SC HWY 1A GREENVILLE, SC 29605 WWW.RAYMONDGLOBAL.COM		PROJECT INFORMATION DRAWING NO. 25894 PROJECT NO. 25894 CLIENT: GREENVILLE COUNTY SCHOOLS CLIENT'S REPRESENTATIVE: DYLAN JOHNSON DATE: 07/16/2023 DESIGNER: RAYMOND RAMOS CHECKER: RAYMOND RAMOS	PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS 3000 EAST GAP CREEK ROAD GREER, SC 29615	SHEET TITLE: <b>NEW ROOF PLAN - ROOF AREAS A1-A5, A9, A10</b>	REVISION # #
PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS 3000 EAST GAP CREEK ROAD GREER, SC 29615		PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS 3000 EAST GAP CREEK ROAD GREER, SC 29615	SHEET TITLE: <b>NEW ROOF PLAN - ROOF AREAS A1-A5, A9, A10</b>	REVISION # #	DESIGNER OF RECORD SEAL  RAYMOND RAMOS NO. 25894

1 NEW ROOF PLAN AREA  
SCALE: 1/16" = 1'-0"

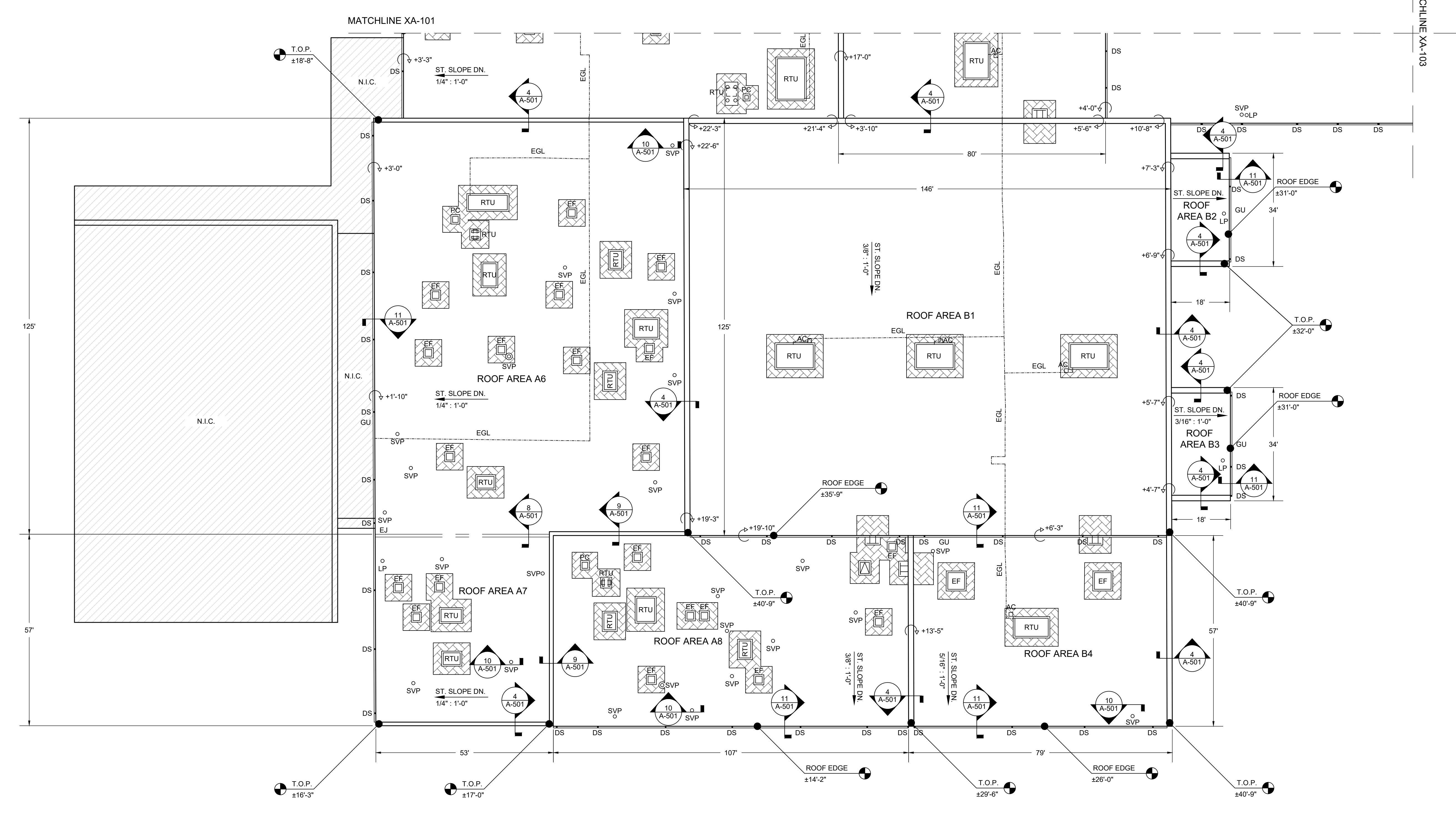


2 KEY PLAN  
SCALE: 1/64" = 1'-0"

### LEGEND

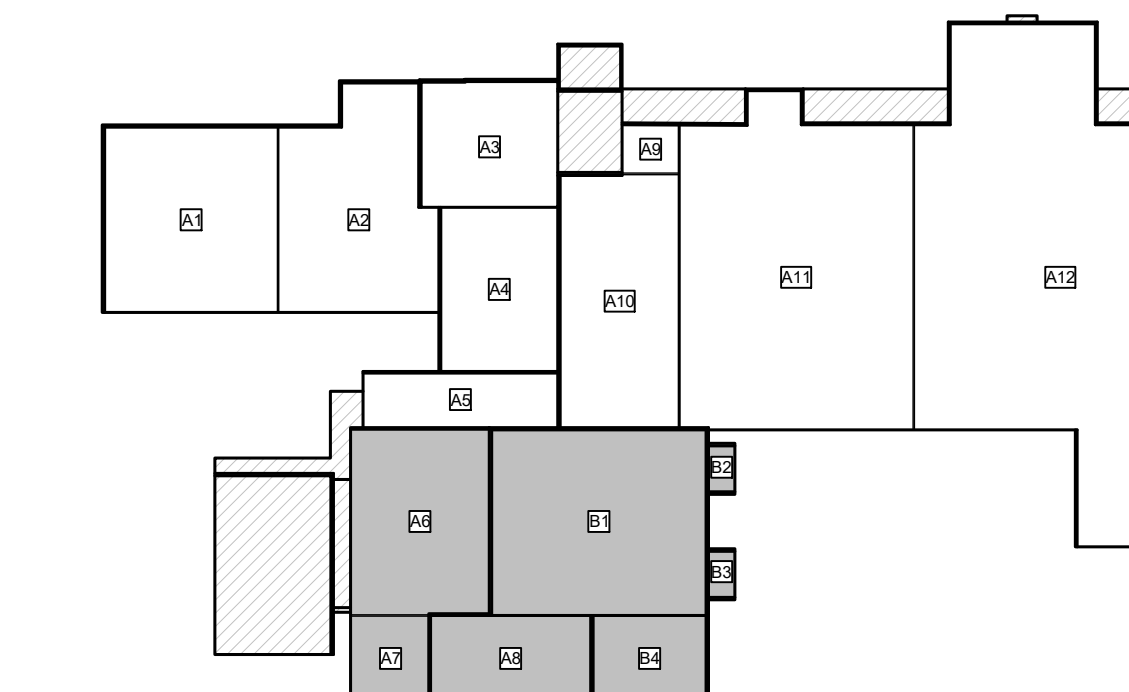
	PARAPET WITH COPING		HEAT VENT STACK (HVS)
	ROOF OUTLINE/GRAVEL STOP FASCIA		SOIL VENT PIPE (SVP)
	ELEVATION CHANGE		PIPE PENETRATION (PP)
	ROOFTOP UNIT (RTU)		LIGHTNING PROTECTION (LP)
	EXHAUST FAN (EF)		EXISTING GAS LINE (EGL)
	PORTAL CURB (PC)		EXPANSION JOINT
	ROOF HATCH		DOWNSPOUT
	LADDER		GUTTER (GU)
	WALK PAD		

- ### SHEET NOTES
- SEE SHEET A-501 FOR ROOF COMPOSITION DETAILS.
  - REFER TO SUMMARY OF WORK AND SPECIFICATIONS.
  - ROOF AREAS A6, A7, A8 - APPLY NEW ADHERED COVER BOARD AND NEW ADHERED 80-MIL TPO ROOF SYSTEM WITH MECHANICAL ENHANCEMENT PER SPECIFICATIONS. DEDUCTIVE ALTERNATE NO. 1 - 60-MIL TPO
  - ROOF AREAS B1, B2, B3, B4 - APPLY NEW ADHERED INSULATION, ADHERED COVERBOARD, AND NEW ADHERED 80-MIL TPO ROOF SYSTEM PER SPECIFICATIONS. DEDUCTIVE ALTERNATE NO. 1 - 60-MIL TPO
  - FURNISH AND INSTALL NEW COPINGS, DOWNSPOUTS, SCUPPER LINERS, AND OTHER ASSOCIATED FLASHINGS AS SPECIFIED. DOWNSPOUT SIZES ARE TO MATCH EXISTING.
  - FURNISH AND INSTALL NEW GUTTER ASSEMBLY 5" X 6" (MIN) GUTTER AND 4" X 6" (MIN) DOWNSPOUTS AT ROOF AREAS A6, A7, A8, B1, B2, B3, B4.
  - FURNISH AND INSTALL NEW WALK PADS AROUND ALL RTUS, ROOF HATCHES, AND EXHAUST FANS, AND AT THE BASE OF ALL ACCESS LADDERS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
  - FURNISH AND INSTALL NEW CRICKETS ON THE UPSLOPE SIDE OF ANY PENETRATION GREATER THAN 30" WIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET COVERINGS SHALL BE OF THE SAME MATERIAL AS THE ROOF COVERING. CRICKET WIDTH SHALL BE A MINIMUM OF 1/3 THE CRICKET LENGTH. CRICKET WIDTH MAY BE REDUCED TO PREVENT PONDING.



**1** NEW ROOF PLAN AREA  
SCALE: 1/16" = 1'-0"

**2** KEY PLAN  
SCALE: 1/64" = 1'-0"



DESIGNER OF RECORD SEAL

RAYMOND RAMOS  
NO. 25894

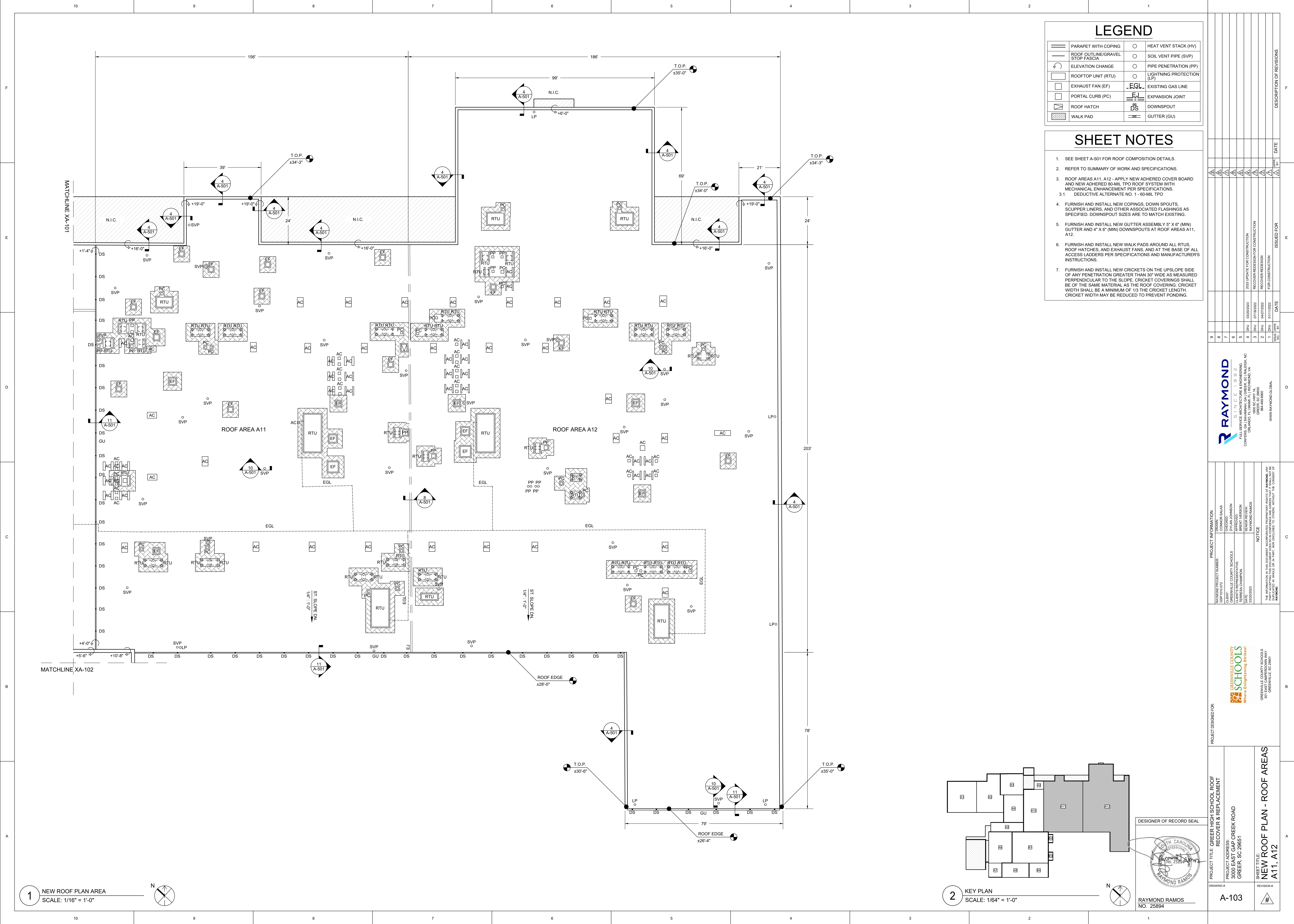
PROJECT INFORMATION		PROJECT DESIGNED FOR:		SHEET TITLE	
RAYMOND PROJECT NUMBER: 03P101072	DRAWN BY: CONNOR SALAS	PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT	PROJECT ADDRESS: 3000 EAST CREEK ROAD, GREER, SC 29615	NEW ROOF PLAN - ROOF AREAS A6-A8, B1-B4	
CLIENT'S REPRESENTATIVE: DYLAN JOHNSON	APPROVED BY: DYLAN JOHNSON	DATE: 03/20/2023	DATE: 03/20/2023	DRAWING # A-102	
REVISIONS:	REVISIONS:	REVISIONS:	REVISIONS:	REVISION #	
1	1	1	1	#	
2	2	2	2	#	
3	3	3	3	#	
4	4	4	4	#	
5	5	5	5	#	
6	6	6	6	#	
7	7	7	7	#	
8	8	8	8	#	
9	9	9	9	#	

**RAYMOND**  
ARCHITECTURE & ENGINEERING  
1905 SC HWY 14, SUITE 200  
GREENVILLE, SC 29602  
WWW.RAYMONDGLOBAL.COM

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GREENVILLE COUNTY SCHOOLS  
Where Enriching Starts!  
301 EAST CAMPBELL DRIVE  
GREENVILLE, SC 29601

ISSUED FOR: [ ]  
DATE: [ ]



### LEGEND

	PARAPET WITH COPING		HEAT VENT STACK (HVS)
	ROOF OUTLINE/GRAVEL STOP FASCIA		SOIL VENT PIPE (SVP)
	ELEVATION CHANGE		PIPE PENETRATION (PP)
	ROOFTOP UNIT (RTU)		LIGHTNING PROTECTION (LP)
	EXHAUST FAN (EF)		EXISTING GAS LINE (EGL)
	PORTAL CURB (PC)		EXPANSION JOINT
	ROOF HATCH		DOWNSPOUT
	WALK PAD		GUTTER (GU)

- ### SHEET NOTES
- SEE SHEET A-501 FOR ROOF COMPOSITION DETAILS.
  - REFER TO SUMMARY OF WORK AND SPECIFICATIONS.
  - ROOF AREAS A11, A12 - APPLY NEW ADHERED COVER BOARD AND NEW ADHERED 90-MIL TPO ROOF SYSTEM WITH MECHANICAL ENHANCEMENT PER SPECIFICATIONS.  
3.1 DEDUCTIVE ALTERNATE NO. 1 - 60-MIL TPO
  - FURNISH AND INSTALL NEW COPINGS, DOWN SPOUTS, SCUPPER LINERS, AND OTHER ASSOCIATED FLASHINGS AS SPECIFIED. DOWNSPOUT SIZES ARE TO MATCH EXISTING.
  - FURNISH AND INSTALL NEW GUTTER ASSEMBLY 5" X 6" (MIN) GUTTER AND 4" X 6" (MIN) DOWNSPOUTS AT ROOF AREAS A11, A12.
  - FURNISH AND INSTALL NEW WALK PADS AROUND ALL RTUS, ROOF HATCHES, AND EXHAUST FANS, AND AT THE BASE OF ALL ACCESS LADDERS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
  - FURNISH AND INSTALL NEW CRICKETS ON THE UPSLOPE SIDE OF ANY PENETRATION GREATER THAN 30" WIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET COVERINGS SHALL BE OF THE SAME MATERIAL AS THE ROOF COVERING. CRICKET WIDTH SHALL BE A MINIMUM OF 1/3 THE CRICKET LENGTH. CRICKET WIDTH MAY BE REDUCED TO PREVENT PONDING.

**1** NEW ROOF PLAN AREA  
SCALE: 1/16" = 1'-0"

**2** KEY PLAN  
SCALE: 1/64" = 1'-0"

PROJECT INFORMATION		REVISIONS	
RAYMOND PROJECT NUMBER: 03P101027	CLIENT: GREENVILLE COUNTY SCHOOLS	NO.	DATE
CLIENT'S REPRESENTATIVE: DYLAN JOHNSON	DATE: 03/20/2023	1	01/11/2023
APPROVED BY: RAYMOND RAMOS	DATE: 03/20/2023	2	04/27/2023
RENDERED BY: RAYMOND RAMOS	DATE: 03/20/2023	3	07/18/2023
NOTICE: THE INFORMATION IN THIS DOCUMENT INCORPORATES PROPRIETARY RIGHTS OF RAYMOND. ANY REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RAYMOND IS PROHIBITED.	DATE: 03/20/2023	4	08/02/2023
		5	08/02/2023
		6	08/02/2023
		7	08/02/2023
		8	08/02/2023
		9	08/02/2023

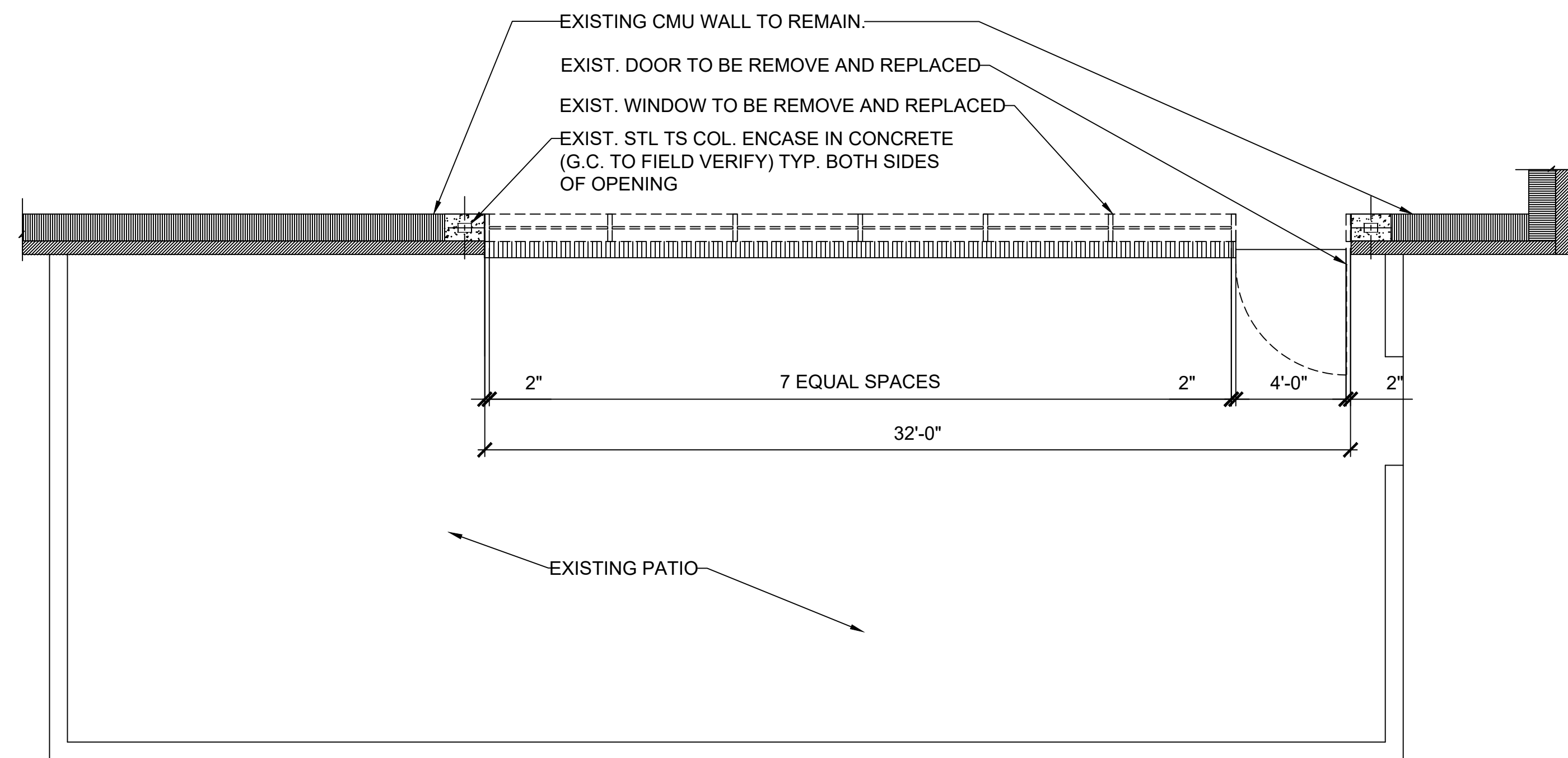
  

<p>PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS 3000 EAST CREEK ROAD GREER, SC 29615</p>	<p>DESIGNER OF RECORD SEAL: </p>
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<p>PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER &amp; REPLACEMENT</p>	<p>ISSUED FOR: FOR CONSTRUCTION</p>
<p>PROJECT ADDRESS: 3000 EAST CREEK ROAD GREER, SC 29615</p>	<p>DATE: 08/02/2023</p>
<p>SHEET TITLE: NEW ROOF PLAN - ROOF AREAS A11, A12</p>	<p>DATE: 08/02/2023</p>
<p>DRAWING #: A-103</p>	<p>REVISION #:</p>

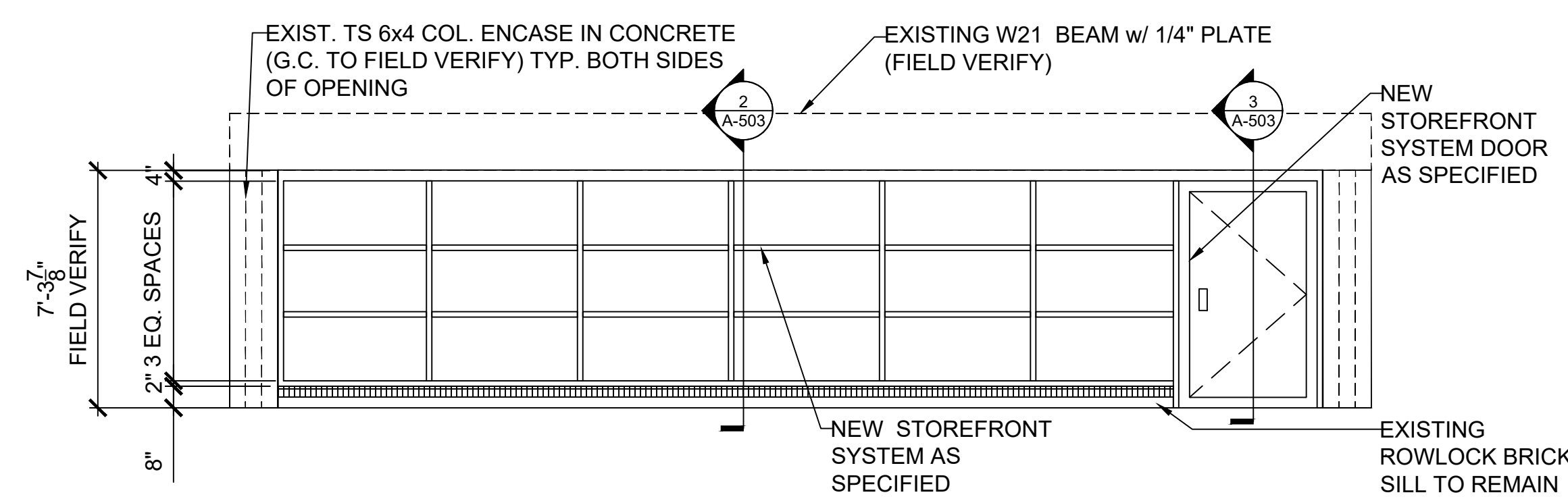
NOTE: FOR INFORMATION ONLY  
STRUCTURAL COLUMNS AND BEAM INFORMATION  
PROVIDED HEREIN WAS OBTAIN FROM EXISTING  
DESIGN DOCUMENTS 6 OF 57, S3, S5, S 1.02 AND  
AS BUILT DOCUMENTS DATED 07/14/2020



1 EXISTING/DEMO PARTIAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



2 NEW PARTIAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



3 NEW WINDOW/DOOR ELEVATION  
SCALE: 1/4" = 1'-0"

STOREFRONT NOTES:

- ALL ALUMINUM EXTRUDED FRAME MATERIALS AND FINISHES SHALL ADHERE TO THE DESIGN SPECIFICATIONS.
- THE STOREFRONT SUPPLIER SHALL PROVIDE ENGINEERED AND STAMPED SUBMITTAL CALCULATIONS.
- ALL ALUMINUM FRAME AND GLASS COLORS SHALL BE SELECTED BY THE OWNER.
- ALL RELATED HARDWARE, ANCHORS, CLIPS, ETC. SHALL BE SUPPLIED BY THE STOREFRONT SUPPLIER, UNLESS NOTED OTHERWISE (U.N.O.)
- THE STOREFRONT (S.F.) SUPPLIER SHALL PROVIDE AND INSTALL ALL BREAK ALUMINUM REQUIRED TO CLOSE, SEAL, WRAP OR FINISH OFF FRAMES TO ADJACENT MATERIALS SUCH AS MASONRY, STRUCTURAL BEAMS AND COLUMNS, OTHER FRAMES, ETC.
- THE S.F. SUPPLIER SHALL SUPPLY AND INSTALL BREAK ALUMINUM TO CAP END OF MASONRY / STUD WALL AND TIE / FINISH INTO THE ALUM. FRAME WHERE IT INTERSECTS AT A VERTICAL MULL.
- ALL BREAK ALUMINUM SHALL BE PRE-FINISHED TO MATCH S.F. FINISH, UNLESS NOTED OTHERWISE.
- ALL S.F. ROUGH OPENING SIZES ARE SHOWN NOMINAL. THE S.F. SUPPLIER SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ROUGH OPENING SIZES.
- FINISH PRODUCTS REQUIRE CLEARANCES AT HEAD, JAMB AND SILLS TO ALLOW FOR EXPANSION. THESE CLEARANCES SHALL ADHERE TO THE S.F. MANUFACTURER RECOMMENDATIONS.
- THE S.F. SUPPLIER SHALL DESIGN AND SUPPLY ANY AND ALL STEEL REQUIRED INSIDE OF FRAMES TO MEET WIND LOADS, CODES, ETC. THIS STEEL REINFORCEMENT SHALL BE INSTALLED BY THE S.F. SUPPLIER / INSTALLER. TYPICAL.
- ALL ALUMINUM SHALL BE ISOLATED FROM ADJACENT MASONRY AND OTHER MATERIALS AS PER S.F. MANUFACTURER RECOMMENDATIONS.
- THE S.F. INSTALLER SHALL EXAMINE ALL AREAS TO RECEIVE S.F. SYSTEMS. NOTIFY DESIGNER OF CONDITIONS THAT WOULD ADVERSELY AFFECT INSTALLATION OR SUBSEQUENT USE. DO NOT PROCEED WITH INSTALLATION UNTIL CONDITIONS ARE CORRECTED.
- SEAL ALL AREAS BETWEEN S.F. AND ADJACENT BRICK PER MFG. RECOMMENDATIONS. TYPICAL THROUGHOUT.

SHEET NOTES

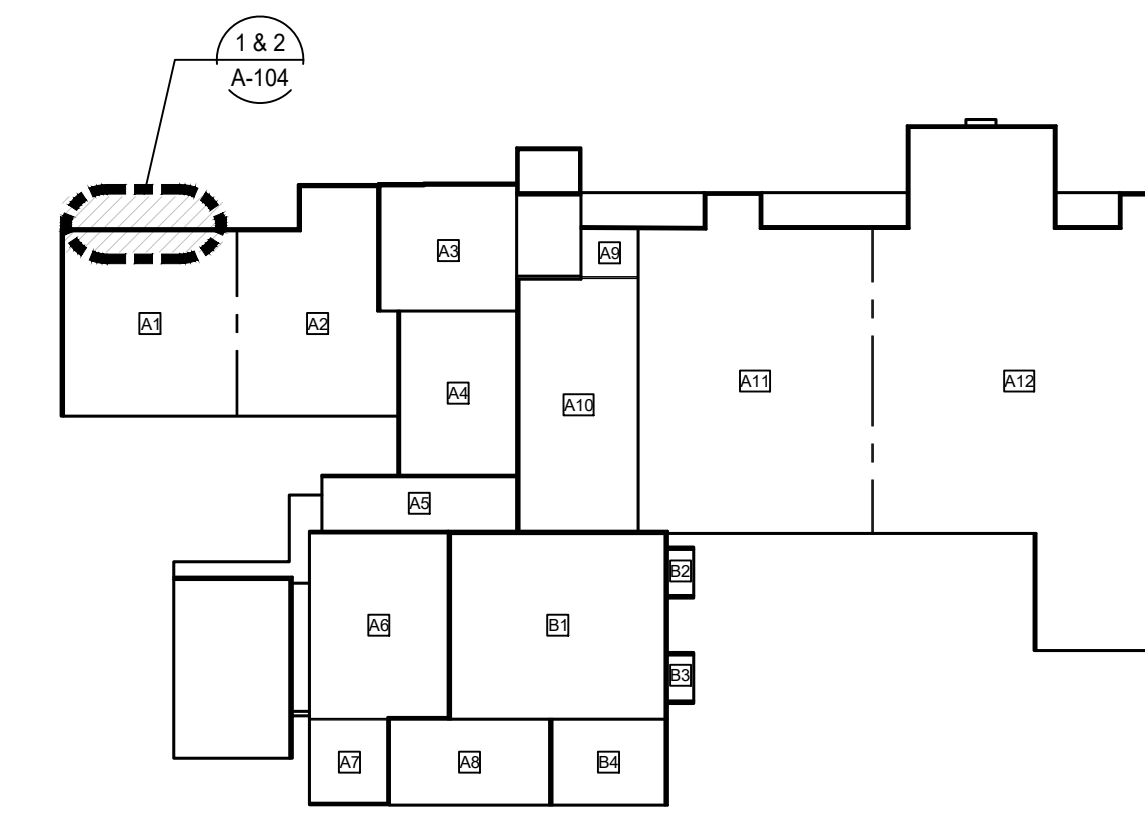
- DEMO EXISTING HOLLOW METAL FRAMING, DOOR AND GLASS.
- PROVIDE AND INSTALL TRULITE 451 CENTER SET GLAZED THERMAL STOREFRONT FRAMING SYSTEM.
- DOOR TO BE A WIDE STILE 48" DOOR WITH 10" BOTTOM RAIL.
- FINISH OF THE STOREFRONT TO BE GREEN PAINTED FINISH.
- GLASS TO BE 1" BRONZE REFLECTIVE TEMPERED GLASS TO MATCH EXISTING.

PROTECTION NOTES:

- THE BUILDING WILL REMAIN FUNCTIONAL THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT CONTENTS AND OCCUPANTS.
- THE BUILDING SHALL BE WATERTIGHT AT THE END OF EACH DAY'S CONSTRUCTION AND WHEN INCLEMENT WEATHER THREATENS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE BUILDING, EXTERIOR, INTERIOR AND GROUNDS, INCLUDING ANY LANDSCAPING, AND ALL PROMENADE CONCRETE WITHIN THE PROJECT SCOPE. DOCUMENT AREAS SUCH AS ACTIVE IRRIGATION, ETC.
- ANY SURFACES STAINED, MARKED, MARRED, OR DAMAGED BY PROJECT THE SCOPE CONTRACTOR SHALL BE RETURNED TO ORIGINAL CONDITION

DEMOLITION NOTES:

- PRIOR TO COMMENCING ANY WORK: INSPECT THE ENTIRE JOB SITE AND ALL OBJECTS DESIGNATED TO BE REMOVED AND PROTECTED FOR REUSE AND THE LIMITS OF DEMOLITION. LOCATE ALL COLUMNS AND STRUCTURAL ITEMS EXPOSED AND/OR INSIDE EXISTING WALLS. PROVIDE STRUCTURAL SUPPORT PRIOR TO REMOVAL OF SUCH ITEMS. DO NOT REMOVE BEARING WALLS, COLUMNS OR BEAMS.
- DEMOLITION AND REMOVAL OF MATERIALS: SHALL BE BY SKILLED AND PROPERLY EQUIPPED WORKERS. MATERIALS AND EQUIPMENT TO BE SALVAGED SHALL BE REMOVED UNDER THE DIRECTION OR OF BY THE CRAFTSPERSON'S WHO WOULD NORMALLY INSTALL THESE ITEMS. ALL DEMOLITION WORK AND NEW CONSTRUCTION IS TO BE PERFORMED IN A MANNER SO AS NOT TO DAMAGE EXISTING CONDITIONS WHICH ARE TO REMAIN.
- DEMOLITION/RESTORATION ITEMS: MAY NOT BE ALL INCLUSIVE IN DETAIL AND DO NOT INDICATED ALL OBJECTS EXISTING ON THE JOB SITE. BEFORE COMMENCING WORK, VERIFY WITH OWNER WHICH OBJECTS ARE TO BE REMOVED AND WHICH OBJECTS ARE TO BE PRESERVED AND REUSED.
- DISCREPANCIES: REPORT IN WRITING TO THE OWNER ANY DISCREPANCIES DISCOVERED FOR RESOLUTION BY THE OWNER.
- TEMPORARY PARTITIONS: PROVIDE, ERECT AND MAINTAIN TEMPORARY PARTITIONS, BARRIERS, GUARDRAILS AND OTHER SAFETY ITEMS AS REQUIRED BY REGULATORY AGENCIES AND AS NECESSARY TO PROTECT WORKERS FINISHES AND OTHER ITEMS TO REMAIN.
- TRADE SERVICES: OTHER SCOPE OF SERVICES NOT PART OF THE DESIGN SCOPE WILL REQUIRE OWNER'S DIRECTION PRIOR TO ANY MODIFICATIONS. CONTRACTOR SHALL CO-ORDINATE WITH THE OWNER. ALL TRADES WORK SHALL BE PERFORMED BY LICENSED CONTRACTOR IN STATE OF SOUTH CAROLINA.
- WORK PHASING: IS THE CONTRACTORS RESPONSIBILITY TO CONSULT WITH OWNER ABOUT ALL PHASES AND CONDITIONS OF DEMOLITION WORK COUNTERED DURING REMOVAL OPERATIONS THAT WILL AFFECT STATUS OF WORK. PERFORM DEMOLITION IN ACCORDANCE WITH APPLICABLE AUTHORITIES HAVING JURISDICTION.

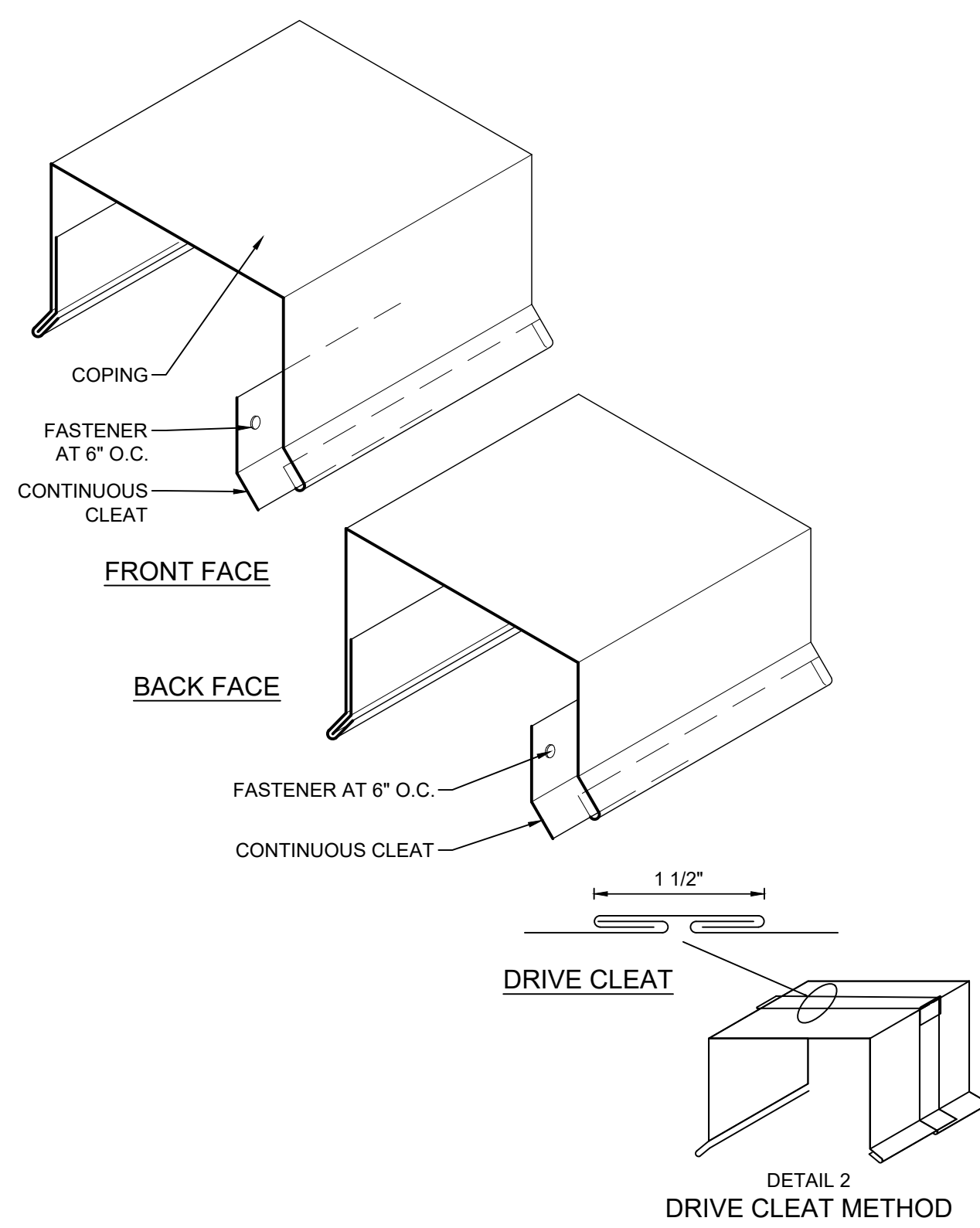


K KEY PLAN  
SCALE: 1/64" = 1'-0"

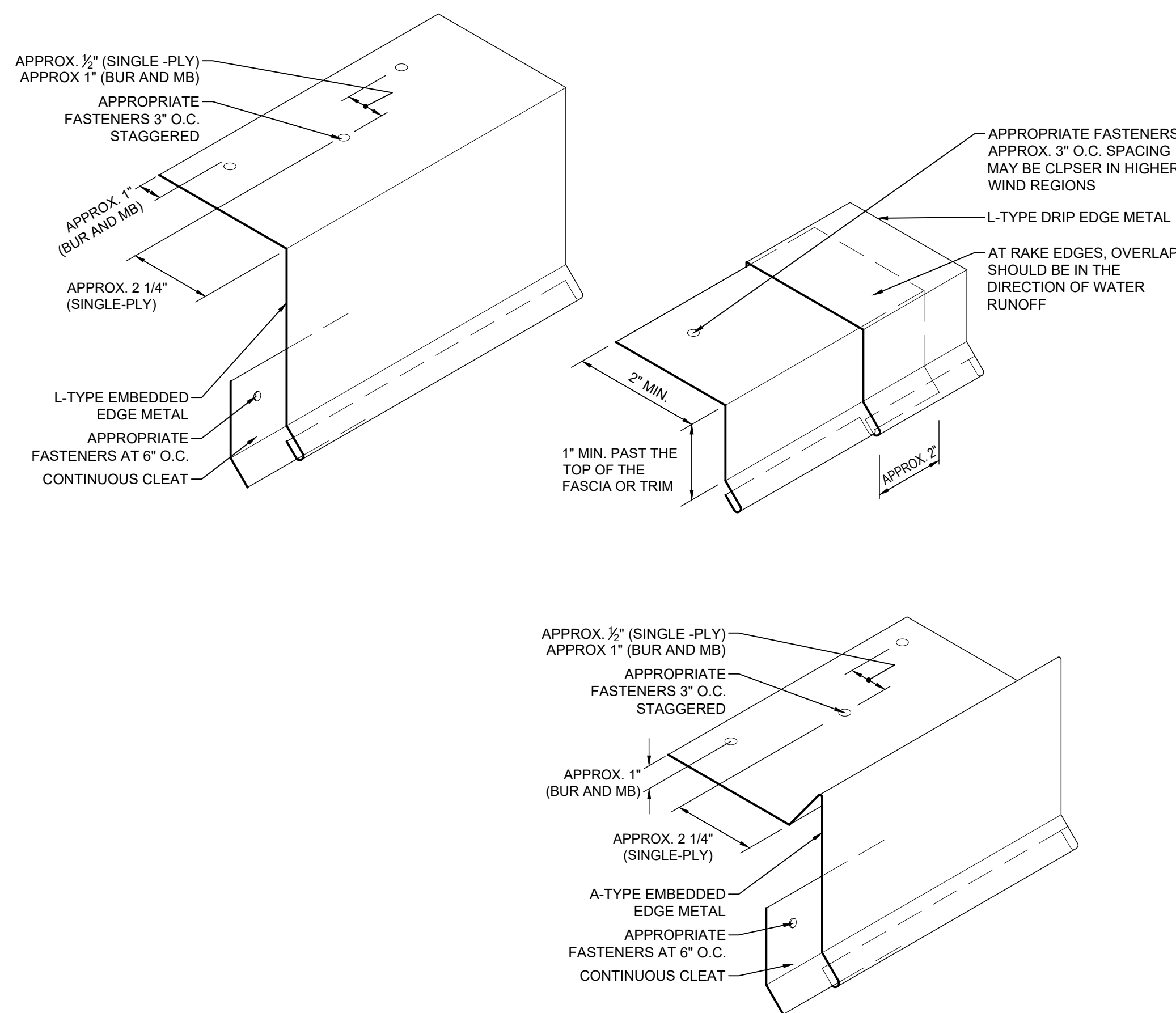
DESIGNER OF RECORD SEAL  
RAYMOND RAMOS  
NO. 25894

<p>RAYMOND PROJECT NUMBER: 08P1910172          PROJECT INFORMATION: JOSE INCARUR AND TORI WALKER          GREENVILLE COUNTY SCHOOLS          CLIENT'S REPRESENTATIVE: DYLAN JOHNSON          DATE: 03/28/2023          PROJECT ADDRESS: 311 EAST CAMPBROWN WAY GREENVILLE, SC 29601</p>		<p>ISSUED FOR: FOR CONSTRUCTION          DATE: 03/28/2023</p>
<p>RAYMOND PROJECT NUMBER: 08P1910172          PROJECT INFORMATION: JOSE INCARUR AND TORI WALKER          GREENVILLE COUNTY SCHOOLS          CLIENT'S REPRESENTATIVE: DYLAN JOHNSON          DATE: 03/28/2023          PROJECT ADDRESS: 311 EAST CAMPBROWN WAY GREENVILLE, SC 29601</p>		<p>ISSUED FOR: FOR CONSTRUCTION          DATE: 03/28/2023</p>
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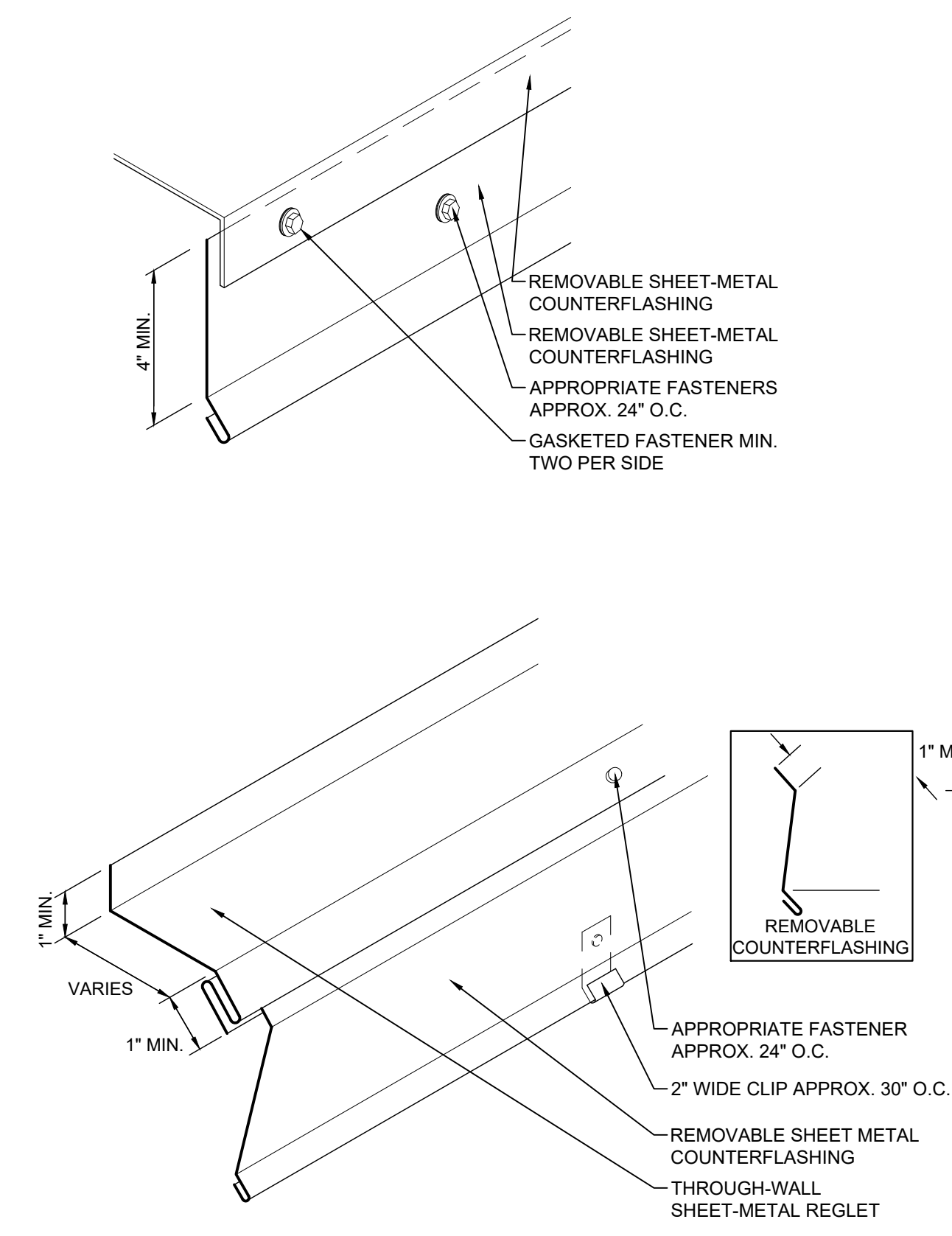




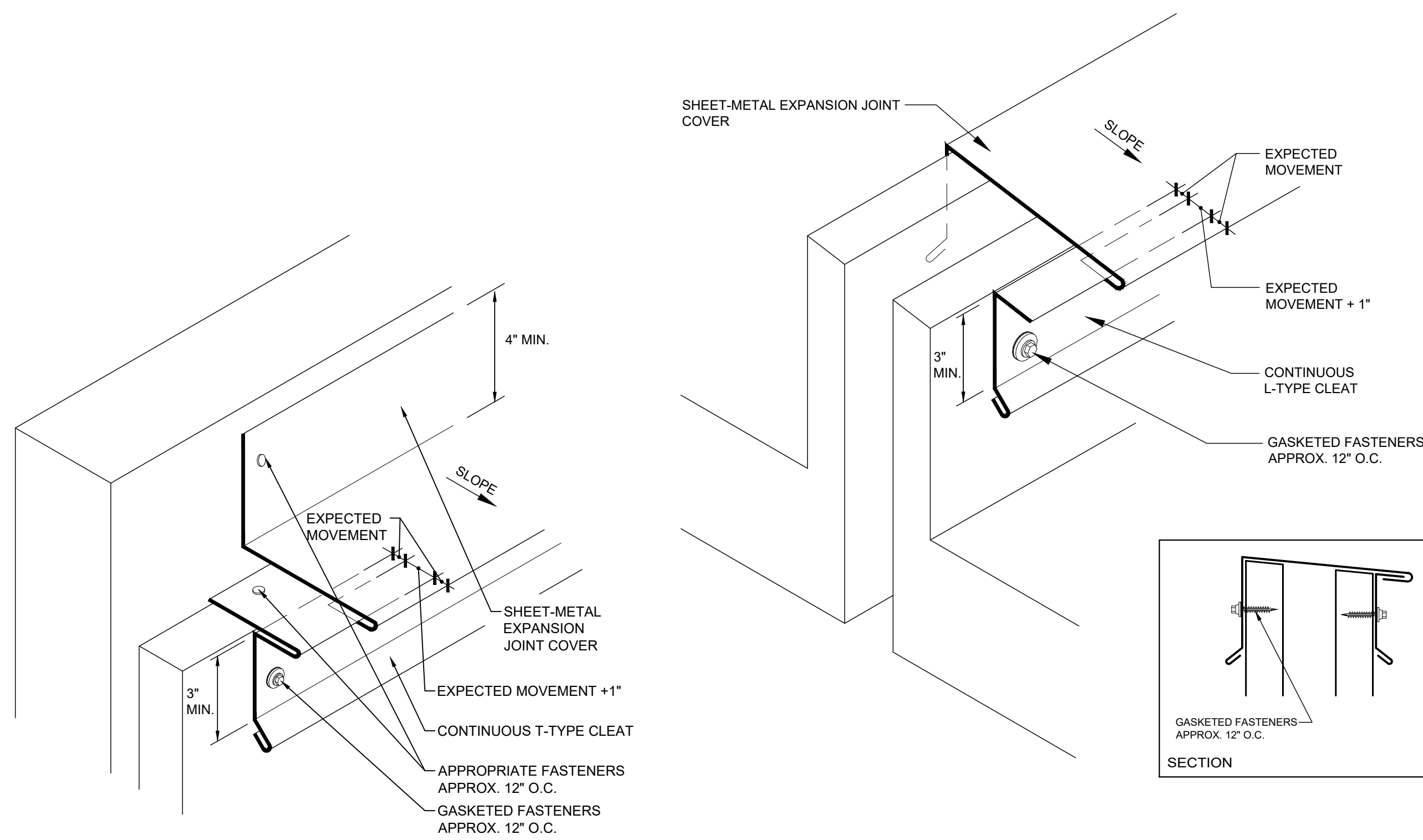
1 NRCA COPING DETAILS  
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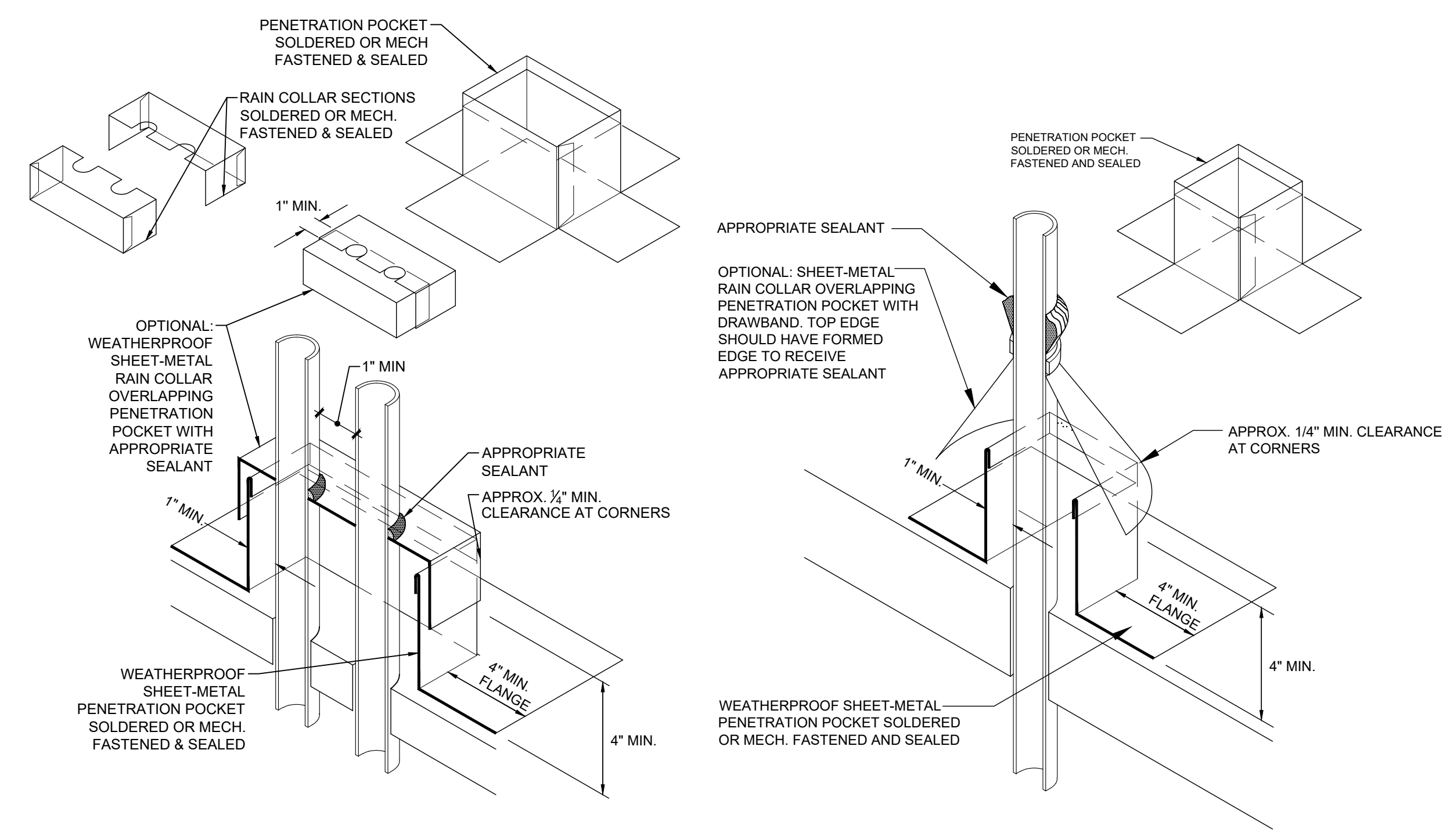
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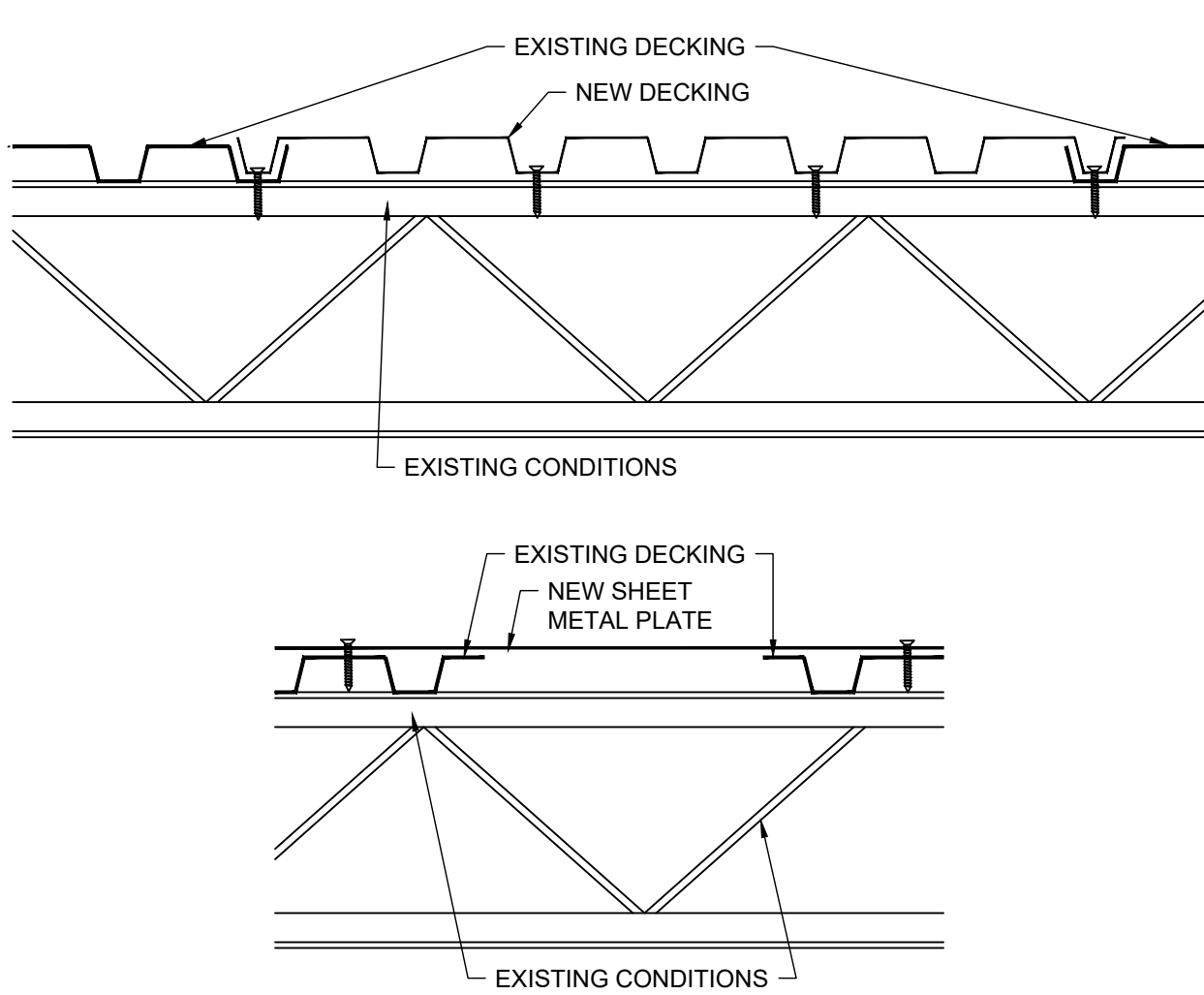
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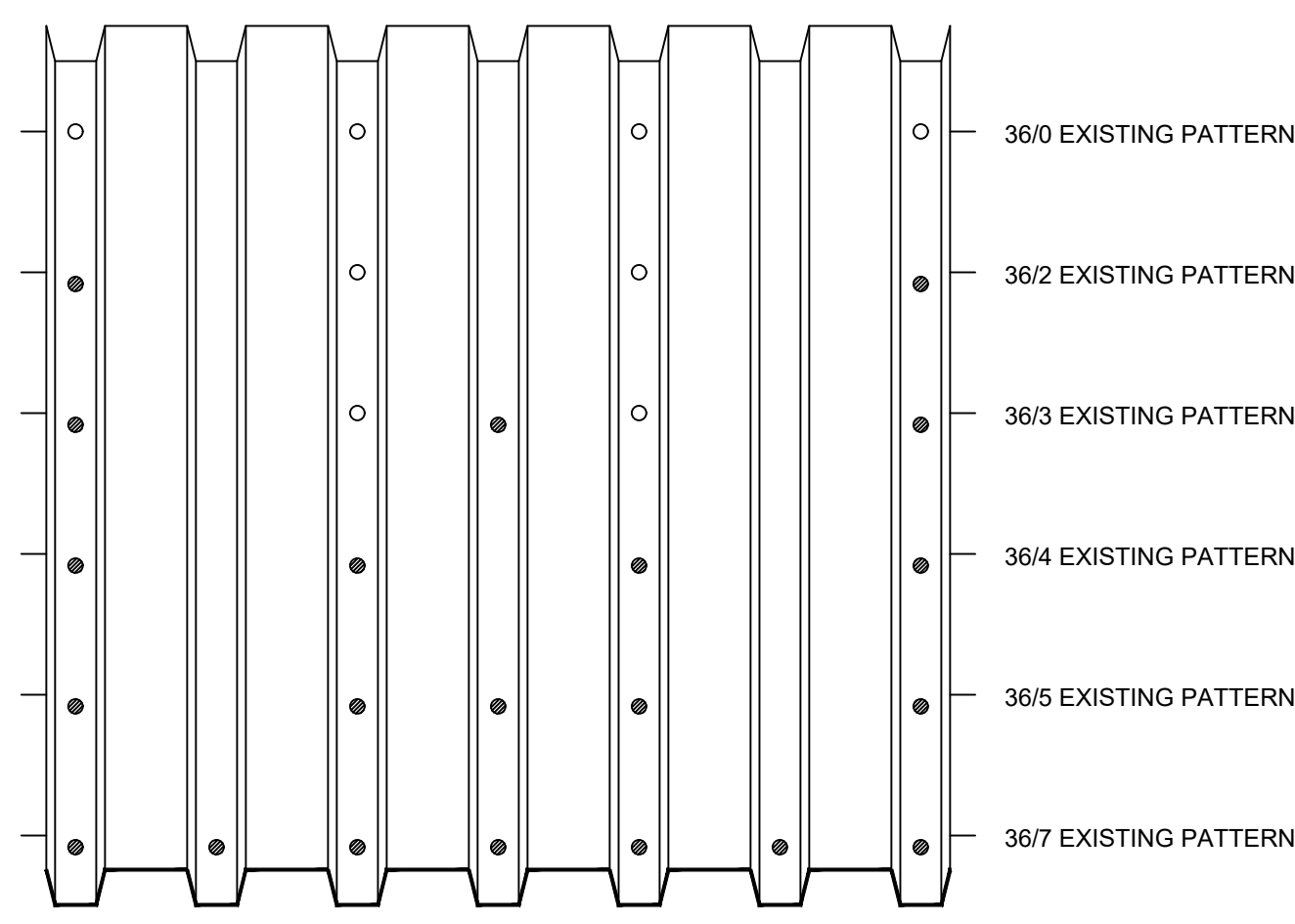
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SCALE: N.T.S.



4 NRCA PITCH PAN DETAILS  
SCALE: N.T.S.

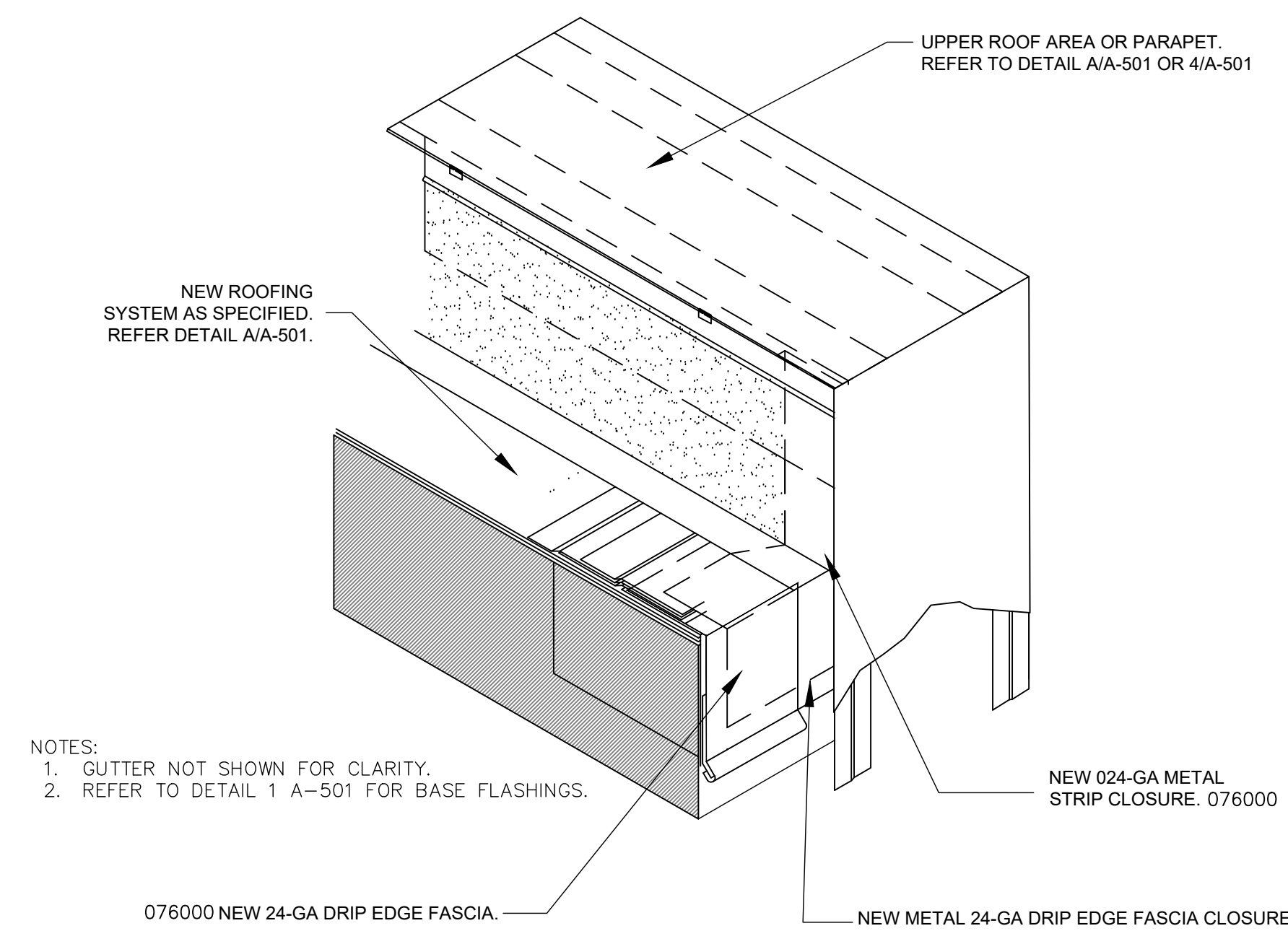


5 SMALL AND LARGE DECK CLOSURE DETAIL  
SCALE: 1 1/2\"/>

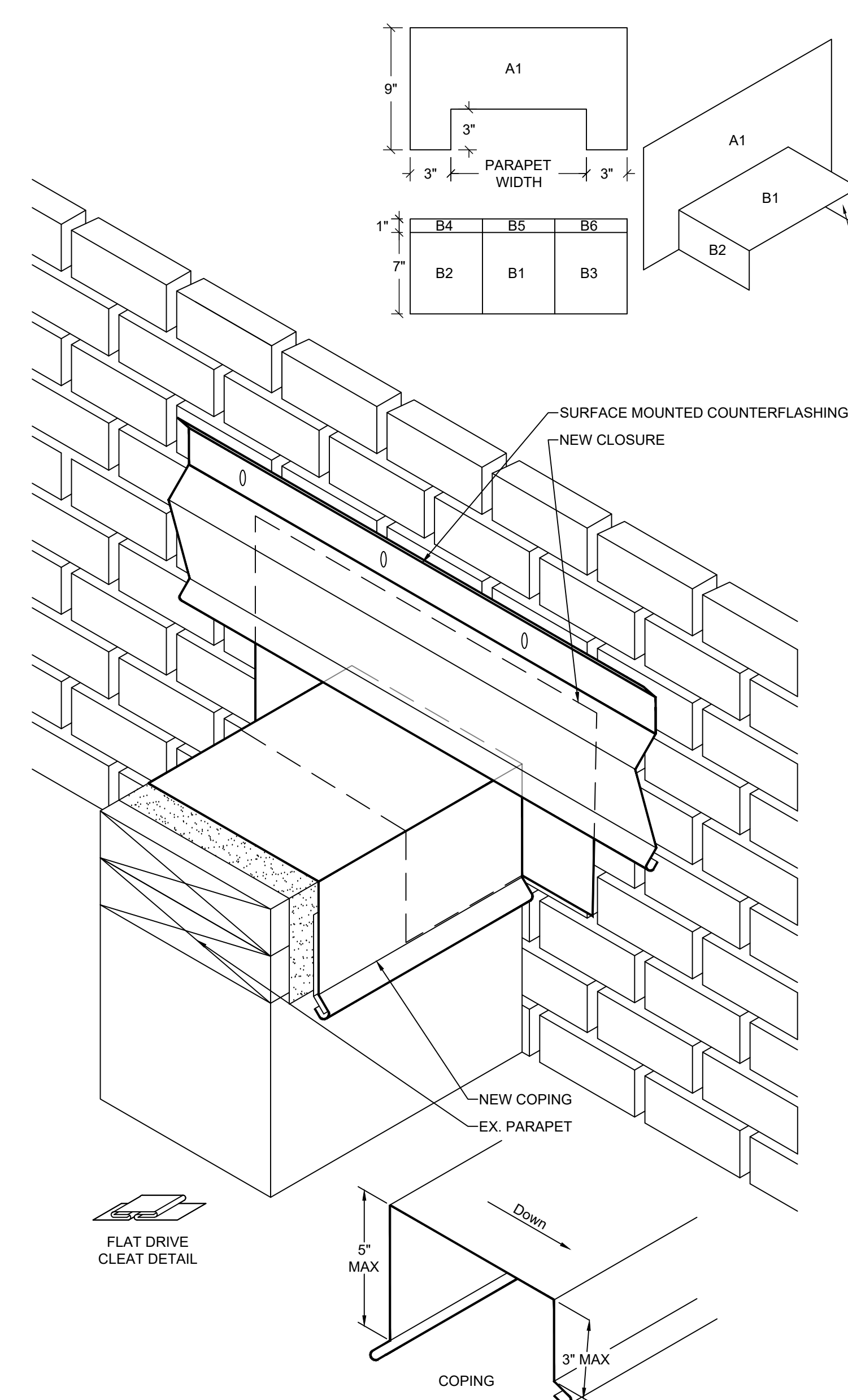


6 TYP. METAL DECK FASTENING PATTERN  
SCALE: 1 1/2\"/>

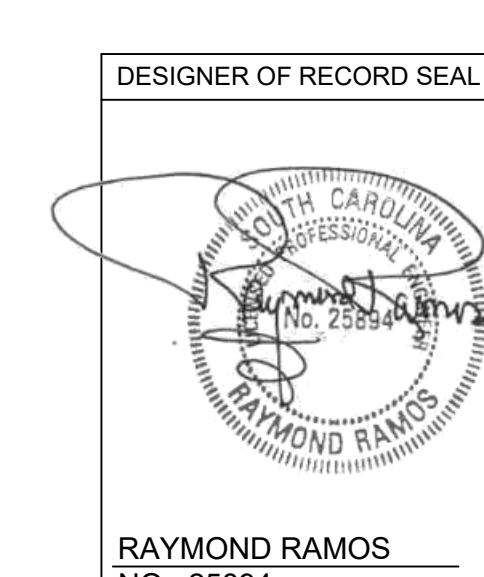
- NOTES
- EXISTING WELDS ARE ASSUMED TO BE A MINIMUM 1/2\"/>
  - NEW FASTENERS ARE MINIMUM #10 TEK SCREWS WITH A NOMINAL HEAD DIAMETER OF 0.415 INCHES.
  - EXISTING DECKING ATTACHMENT DOES NOT HAVE TO BE ENHANCED IF THE EXISTING WELDS ARE A MINIMUM OF 1/2\"/>
- NEW FASTENER
  - EXISTING WELD



7 TYP. BASE FLASHING VERTICAL TERMINATION DETAIL  
SCALE: N.T.S.

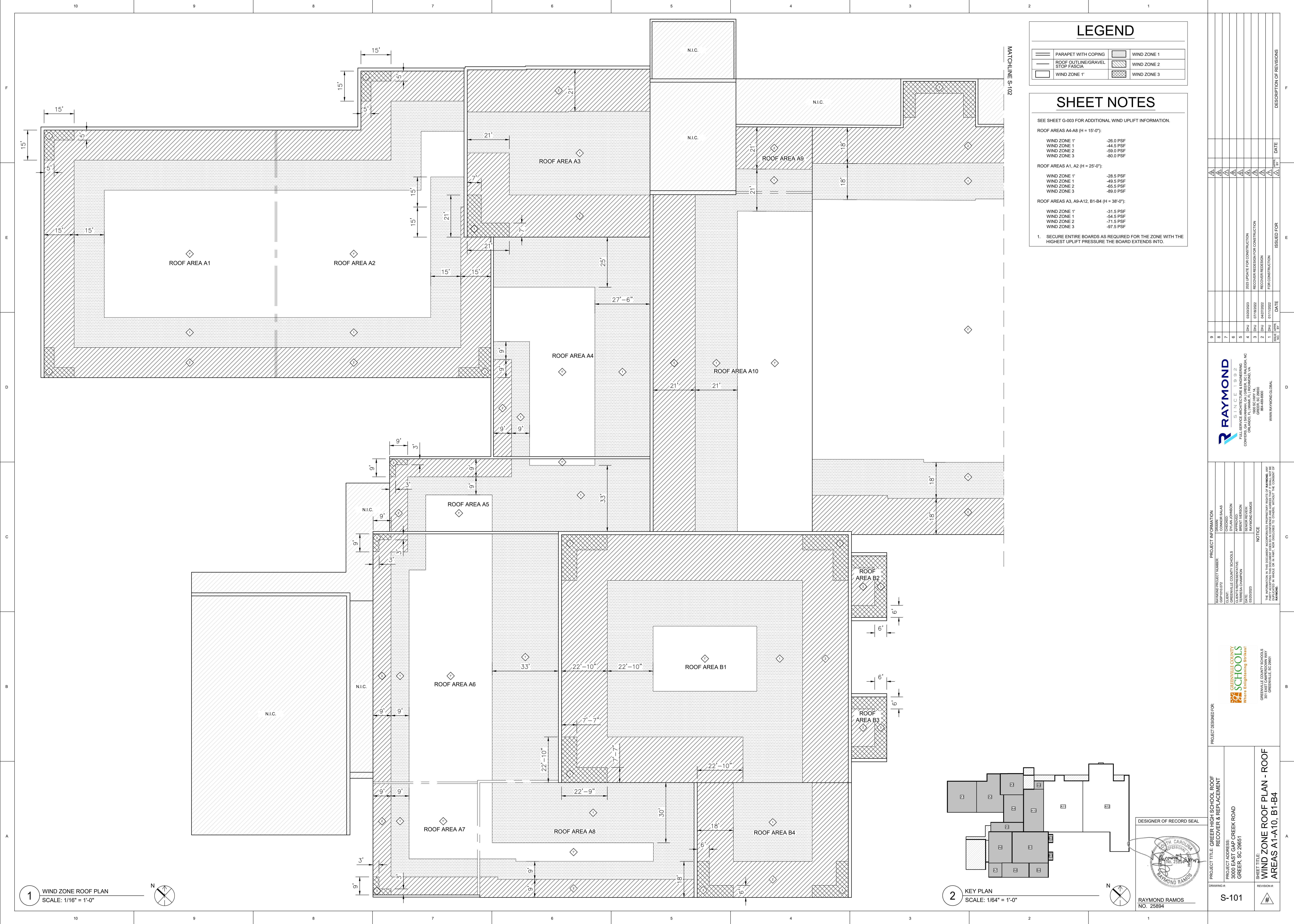


8 TYP. COPING DETAIL AT MASONRY WALLS  
SCALE: 3\"/>



<b>RAYMOND</b> ARCHITECTURE & ENGINEERING 1905 SC HWY 16 GREENVILLE, SC 29605 WWW.RAYMONDGLOBAL.COM		PROJECT INFORMATION DRAWING NO. A-502 PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT PROJECT ADDRESS: 3000 EAST GAP CREEK ROAD, GREENVILLE, SC 29651 CLIENT'S REPRESENTATIVE: GREENVILLE COUNTY SCHOOLS ARCHITECT'S REPRESENTATIVE: RAYMOND RAMOS DATE: 03/20/2023 SHEET NO.: 1 OF 2	REVISIONS NO.   DATE   DESCRIPTION OF REVISIONS 1   01/11/2023   FOR CONSTRUCTION 2   04/27/2023   RECOVER REDSIGN FOR CONSTRUCTION 3   07/18/2023   RECOVER REDSIGN FOR CONSTRUCTION 4   09/20/2023   2023 UPDATE FOR CONSTRUCTION
PROJECT DESIGNED FOR: GREENVILLE COUNTY SCHOOLS 301 EAST CAMPBELL DRIVE GREENVILLE, SC 29601		SHEET TITLE: <b>TYPICAL ROOFING DETAILS</b>	DESIGNER OF RECORD SEAL RAYMOND RAMOS NO. 25894





### LEGEND

	PARAPET WITH COPING		WIND ZONE 1
	ROOF OUTLINE/GRAVEL STOP FASCIA		WIND ZONE 2
	WIND ZONE 1'		WIND ZONE 3

### SHEET NOTES

SEE SHEET G-003 FOR ADDITIONAL WIND UPLIFT INFORMATION.

ROOF AREAS A4-A8 (H = 15'-0"):
 

- WIND ZONE 1' -26.0 PSF
- WIND ZONE 1 -44.5 PSF
- WIND ZONE 2 -59.0 PSF
- WIND ZONE 3 -80.0 PSF

ROOF AREAS A1, A2 (H = 25'-0"):
 

- WIND ZONE 1' -28.5 PSF
- WIND ZONE 1 -49.5 PSF
- WIND ZONE 2 -65.5 PSF
- WIND ZONE 3 -89.0 PSF

ROOF AREAS A3, A9-A12, B1-B4 (H = 38'-0"):
 

- WIND ZONE 1' -31.5 PSF
- WIND ZONE 1 -54.5 PSF
- WIND ZONE 2 -71.5 PSF
- WIND ZONE 3 -97.5 PSF

1. SECURE ENTIRE BOARDS AS REQUIRED FOR THE ZONE WITH THE HIGHEST UPLIFT PRESSURE THE BOARD EXTENDS INTO.

NO.	DATE	ISSUED FOR	DESCRIPTION OF REVISIONS
9			
8			
7			
6			
5			
4	03/20/23		2023 UPDATE FOR CONSTRUCTION
3	07/18/2022		RECOVER REDESIGN FOR CONSTRUCTION
2	04/27/2022		RECOVER REDESIGN FOR CONSTRUCTION
1	01/11/2022		FOR CONSTRUCTION

**RAYMOND**  
 RAYMOND ARCHITECTURE & ENGINEERING  
 1905 SC HWY 1A, SUITE 200  
 GREENVILLE, SC 29602  
 WWW.RAYMONDGLOBAL.COM

PROJECT INFORMATION	
RAYMOND PROJECT NUMBER: GPH202307	DRAWN BY: CONNOR SALAS
CLIENT: GREENVILLE COUNTY SCHOOLS	APPROVED BY: DYLAN JOHNSON
CLIENT'S REPRESENTATIVE: DYLAN JOHNSON	RENDERED BY: RAYMOND RAMOS
DATE: 03/20/2023	NOTICE

THE INFORMATION IN THIS DOCUMENT REPRESENTS PROPRIETARY RIGHTS OF RAYMOND. ANY REUSE OR REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RAYMOND IS STRICTLY PROHIBITED.

**GREENVILLE COUNTY SCHOOLS**  
 Where Enlightening Strives!

GREENVILLE COUNTY SCHOOLS  
 301 EAST CAMPBELL AVENUE  
 GREENVILLE, SC 29601

PROJECT DESIGNED FOR:  
 PROJECT TITLE: GREER HIGH SCHOOL ROOF RECOVER & REPLACEMENT  
 PROJECT ADDRESS:  
 3000 EAST GAP CREEK ROAD  
 GREER, SC 29615

DESIGNER OF RECORD SEAL:

RAYMOND RAMOS  
 NO. 25894

DRAWING #: S-101

SHEET TITLE:  
 WIND ZONE ROOF PLAN - ROOF AREAS A1-A10, B1-B4

REVISION #:

1 WIND ZONE ROOF PLAN  
 SCALE: 1/16" = 1'-0"

2 KEY PLAN  
 SCALE: 1/64" = 1'-0"

