

THE SCHOOL BOARD OF VOLUSIA

COUNTY FLORIDA

200 North Clara Avenue

Deland, Florida 32720

HERITAGE MIDDLE SCHOOL

REPLACE ROOF CAMPUS WIDE

VCS Project NO. 2347924

1001 Parnell Court Deltona, FL 32738

SHEET

SCHOOL BOARD MEMBERS

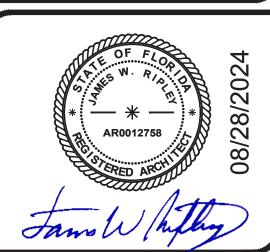
JESSICA THOMPSON JAMIE HAYNES DONNA BROSEMER RUBEN COLON KRISTA GOODRICH

BOARD CHAIR BOARD VICE CHAIR **MEMBER MEMBER MEMBER**

CARMEN J. BALGOBIN

SHEET

SUPERINTENDENT



Incorporated

Architecture

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JAMES W. RIPLEY NVJ 08/28/2024 COVER SHEET, VICINITY MAP

AND DRAWING INDEX

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DESCRIPTION OF WORK

This scope is intended to define work required to remove and replace the existing standing seam metal roof system throughout the campus.

1. Remove existing standing seam metal roof system down to the existing underlayment; remove existing gutters, downspouts, edge flashing and other associated flashings as required. Existing underlayment, gypsum roof board and rigid insulation board shall remain in place.. Repair any significantly damaged or deteriorated existing roof deck, wood blocking and insulation as needed per the unit price allowances. Remove existing metal fascia trim as required to install the new roof, trim and flashing systems. Remove existing roof mounted antennas,

associated cables and support masts, relocate antennas to new support masts. Existing fascia panels to remain, repair or replace

- Remove the existing plumbing vents and small goosenecks, patch roof deck openings, reroute and manifold the plumbing vent piping within the building attic to new roof penetration near the ridge of the roof.
- After deck repairs and preparation, install a self-adhering modified bitumen underlayment over the entire roof deck area. Install all new metal blocking, sheathing, prefinished metal fascia, trim and gutters prior to installation of the roof system.
- Install all new prefinished edge metal, valleys, and other anchorage metals, "strip-in" with a self adhering modified bitumen flashing
- . Install new metal roof panels per the roofing manufacturer's engineering, anchor the roof panel clips to the underlying metal deck, through a new 6" x 6" x 16 gage steel bearing plate, the existing gypsum roof board and rigid insulation.
- Provide and install all transition wall, expansion joint, rake edge, step counterflashing and similar cap flashings. Provide new extruded aluminum downspouts where indicated, reconnect to existing underground drainage system.

Architect's Statement of Compliance: To the best of my knowledge, these drawings and the project manual are complete and comply with the Florida Building Code.

NOT APPLICABLE FOR PROJECT TYPE

BUILDING DATA

NOT APPLICABLE FOR PROJECT TYPE A. SURVEY PARCEL ID NOT APPLICABLE FOR PROJECT TYPE B. LEGAL DESCRIPTION

C. OCCUPANCY TYPE D. CONSTRUCTION TYPE

E. RISK CATEGORY

F. AUTOMATIC SPRINKLER NOT APPLICABLE FOR PROJECT TYPE G. BUILDING AREA H. BUILDING HEIGHT

LOCATION MAP

I. OCCUPANT LOAD

SITE VICINITY MAP

NOT TO SCALE

ENGINEERS & CONSULTANTS

Building Envelope

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CAMPUS PLAN (FOR REFERENCE)



-	G01 G02	COVER SHEET, VICINITY MAP AND DRAWING INDEX				
-						
-		GENERAL ROOF NOTES, ROOF COMPONENT FASTENING SCHEDULE & ABBREVIATION				
Γ	A01	OVERALL ROOF PLAN, PHYSICAL CHARACTERISTICS SCHEDULE & BLDG. CODE DATA				
	A02	ROOF PLAN - BUILDINGS 1 AND 2				
	A03	ROOF PLAN - BUILDING 3				
	A04	ROOF PLAN - BUILDING 4				
	A05	ROOF PLAN - BUILDING 5				
	A06	ROOF PLAN - BUILDING 6				
Z	A07	ROOF PLAN - BUILDING 7				
_	A08	ROOF PLAN - BUILDINGS 8 AND 9				
<u>U</u>	A09	ROOF PLANS - BUILDINGS 10, 11 AND 12				
AWIN	A10	DRIP EDGE FLASHING AND FABRICATION DETAILS				
\geq	A11	EDGE METAL FABRICATIONS AND VALLEY DETAILS				
	A12	RIDGE AND HIP FLASHING AND FABRICATION DETAILS				
	A13	RIDGE CAP FLASHING AND FABRICATION DETAILS				
	A14	EDGE, RAKE AND HEADWALL TRANSITION FABRICATIONS				
	A15	TRANSITION FLASHING AND EXPANSION JOINT DETAILS				
Γ	A16	EXPANSION JOINT AND ROOF CURB FABRICATION DETAILS				
	A17	ROOF CURB AND PENETRATION FLASHING AND FABRICATION DETAILS				
Γ	A18	ROOF PENETRATION FLASHING AND FABRICATIONS				
	A19	ROOF DRAINAGE AND FABRICATION DETAILS				
Γ	A20	ROOF DRAINAGE AND FABRICATION DETAILS				

CONSTRUCTION DOCUMENTS - AUGUST 28, 2024

GENERAL ROOFING NOTES

- THE DIMENSIONS SHOWN ON THE PLANS OF THIS PROJECT WERE TAKEN FROM THE OWNER'S ARCHITECTURAL DOCUMENTS OR ARE THE RESULT OF FIELD MEASUREMENTS TAKEN BY A/R/C ASSOCIATES. THIS INFORMATION IS GIVEN TO ASSIST PROSPECTIVE BIDDERS IN ESTABLISHING THE APPROXIMATE SCOPE OF THE PROJECT, AS A PRE-REQUISITE FOR BIDDING THE PROJECT. HOWEVER, ALL DIMENSIONS SHALL BE FIELD VERIFIED BY EACH BIDDER SO THAT THE DIMENSIONS UTILIZED IN BIDDING THE PROJECT WILL BE THOSE DIMENSIONS TAKEN, CONFIRMED OR CORRECTED BY THE BIDDER. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS, AND EQUIPMENT NOTED AND SHALL NOTIFY THE ARCHITECT OF ANY
- 2. THE PLANS ARE GENERAL IN NATURE & INDICATE APPROXIMATE EXISTING CONDITIONS AT THE PROJECT SITE. ALL BLDGS, ON THE SITE ARE INCLUDED IN THE PROJECT UNLESS SPECIFICALLY NOTED OTHERWISE (N.I.C.). THE CONTRACTOR SHALL BE RESPONSIBLE FOR A VISUAL FIELD SURVEY (PRIOR TO BID) IN REGARD TO QUANTITIES, \$ VERIFICATION OF CONFORMANCE WITH THE LOCAL BUILDING CODE.

DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

- PRIOR TO THE START OF ANY WORK, THE CONTRACTOR WITH THE PROJECT ARCHITECT AND OWNERS REPRESENTATIVE SHALL VISIT THE SITE AND PHOTO AND VIDEO TAPE THE SITE AND ALL SPACES NEARBY THAT MAY BE AFFECTED BY THIS PROJECT IN ORDER TO DETERMINE THE CONTRACTOR'S RESPONSIBILITY IN KEEPING THOSE ITEMS IN THEIR CURRENT STATUS, SPECIAL ATTENTION SHALL BE GIVEN TO CEILING, LIGHT FIXTURES, EXTERIOR AND INTERIOR WALL FINISHES, AND SIDEWALKS, ETC. PARTICULARLY IN THOSE AREAS WHERE EXISTING LEAKS HAVE BEEN DESERVED.
- 4. ALL MECHANICAL SYSTEMS & INDIVIDUAL COMPONENTS (EQUIPMENT) SHALL BE OPERATED IN THE PRESENCE OF REPRESENTATIVES OF BOTH THE CONTRACTOR AND OWNER PRIOR TO ANY DEMOLITION OR DISCONNECTION OF MECHANICAL FUNCTIONS, IN ORDER TO ESTABLISH WORKING ORDER AND OPERATING CONDITIONS.
- CONTRACTOR SHALL EXERCISE CARE DURING DEMOLITION AND REMOVAL TO ASSURE THAT ITEMS SCHEDULED FOR DEMOLITION ARE PROPERLY REMOVED AND ITEMS TO REMAIN AND/OR TO BE RELOCATED ARE PROTECTED FROM DAMAGE. ALL SALVAGEABLE ITEMS REMOVED THAT ARE NOT TO RE REUSED SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER.
- 6. NO EXISTING FACILITY SHALL BE OCCUPIED DURING REMODELING OR RENOVATION UNLESS ALL EXISTING EXITS AND ANY EXISTING FIRE PROTECTION ARE CONTINUOUSLY MAINTAINED, OR IN LIEU THEREOF OTHER MEASURES ARE TAKEN WHICH PROVIDE EQUIVALENT SAFETY.
- 1. IN THE EVENT OF WATER DAMAGE TO THE INTERIOR OF STRUCTURES, A DAMAGE REPORT, WITH PHOTOGRAPHS SHALL BE COMPLETED BY THE PROJECT ARCHITECT ONCE THEY HAVE BEEN NOTIFIED. THE REPORT SHALL BE SUBMITTED TO THE OWNER AND THE CONTRACTOR FOR THEIR RECORDS.
- 8. NOTIFY THE LOCAL POLICE OFFICIALS, THE OWNER OR ARCHITECT BY TELEPHONE IN EACH INSTANCE OF PROPERTY DAMAGE RESULTING FROM FIRE, WATER DAMAGE, ILLEGAL ENTRY, VANDALISM, THEFT OR BURGLARY, OR VEHICLE DAMAGE WITHIN 24 HOURS OF DISCOVERING THE INCIDENT.
- 9. DETAILS REFERENCED ON THE CONTRACT DRAWINGS ARE "TYPICAL" AND ARE NOT CUT AT EVERY LOCATION WHERE THE CONDITION OCCURS. BID AND EXECUTE A COMPLETE PROJECT AS IF DETAIL WERE "CUT" AT EVERY LOCATION WHERE SUCH CONDITION OR SIMILAR CONDITION OCCURS.

- 10. SHEET METAL DETAILS AND TRANSITIONS NOT SHOWN SHALL BE REQUIRED AS IF SHOWN, PREPARE, AND SUBMIT SHOP DRAWINGS OF THESE REQUIREMENTS TO THE ARCHITECT FOR APPROVAL PRIOR TO SHOP FABRICATION.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAINTING / FINISHING OF ALL SURFACES EXPOSED OR DAMAGED AS A RESULT THE WORK, WORK NOT COVERED BY NEWLY INSTALLED WORK, REPAIRS AND FINISHES SHALL MATCH EXISTING ADJACENT CONDITIONS TO REMAIN UNCHANGED.
- 12. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, REINSTALL, OR REPLACE INTERIOR FINISHES WHICH MAY HAVE BEEN DISTURBED OR DAMAGED DURING THE CONSTRUCTION PROCESS
- 13. CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTAL MATERIALS REQUIRED TO PROPERLY INSTALL, SUPPORT AND BRACE ALL ITEMS AND COMPONENTS WITHIN THE WORK.

A. GENERAL NOTES:

1. THIS SCHEDULE AND THE FASTENING METHODS INDICATED HEREIN ARE INTENDED TO ADDRESS TYPICAL CONDITIONS, AND MAY NOT APPLY TO ALL CONDITIONS FOR THIS PROJECT

ROOF COMPONENT FASTENING SCHEDULE

- 2. CONTRACTOR / INSTALLER MUST ALSO REFER TO THE DETAILS FOR THIS SPECIFIC PROJECT. IN THE CASE OF CONFLICTING DATA, THE PROJECT SPECIFIC DETAILS SHALL GOVERN.
- 3. FOR ALL CONDITIONS NOT COVERED WITHIN SCHEDULE, REFER TO FASTENER REQUIREMENTS OF THE SPECIFICATIONS OR CONSULT WITH THE ARCHITECT.
- 4. MANUFACTURERS OF SPECIALITY FASTENER SHALL PERFORM FIELD TESTS TO VERIFY WITHDRAWAL VALUES AND FASTENING PATTERNS FOR THE SPECIFIC PROJECT CONDITIONS PRIOR TO INSTALLATION, A WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL.
- 5. ALL EXPOSED FASTENERS AND THOSE USED IN PRESSURE TREATED LUMBER SHALL BE STAINLESS STEEL, ALL OTHERS MUST HAVE A CORROSION RESISTANT COATING THAT EXCEEDS F.M. APPROVAL STANDARD 4470, UNLESS NOTED OTHERWISE.
- 6. ALL FASTENERS AND THEIR INSTALLATION METHODS MUST COMPLY WITH THE REQUIREMENTS DEFINED IN THE FLORIDA BUILDING CODE, ROOFING APPLI-CATION STANDARD (RAS) NO. 111 - "STANDARD REQUIREMENTS FOR ATTACHMENT OF PERIMETER WOOD BLOCKING AND METAL FLASHINGS" UNLESS NOTED OTHERWISE.

B. WOOD BLOCKING (2" NOMINAL THICKNESS)

- CONCRETE: 3/8" DIA. ST. STL. SELF-TAPPING MASONRY SCREW AT 16" O.C., MAX., LENGTH AS REQUIRED FOR 1.75" MIN. EMBEDMENT. OPTION: 5/16" DIA. DEFORMED OR FLUTED NAIL AT 12" O.C. MAX., LENGTH AS REQUIRED FOR 1.25" MIN. EMBEDMENT. COUNTERSINK HEADS AS REQUIRED
- 2. CONCRETE BLOCK (CMU): 3/8" DIA, ST. STL, SELF-TAPPING MASONRY SCREW AT 12" O.C., MAX., LENGTH AS REQUIRED FOR 1.75" MIN. EMBEDMENT. OPTION: 3/8" DIA. HEAVY DUTY SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 18" O.C., LENGTH AS REQUIRED FOR 2" MIN. EMBEDMENT. COUNTER-SINK HEADS AS REQUIRED.
- BRICK: 3/8" DIA. ST. STL. SELF-TAPPING MASONRY SCREW AT 12" O.C., MAX., LENGTH AS REQUIRED FOR 1.75" MIN. EMBEDMENT. OPTION: 3/8" DIA. HEAVY DUTY SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL - BOLT) @ 18" O.C., LENGTH AS REQUIRED FOR 2" MIN. EMBEDMENT. COUNTERSINK HEADS AS REQUIRED.
- 4. STRUCTURAL STEEL: 1/4" DIA, ST. STL, SELF-DRILLING, SELF-TAPPING SCREWS WITH "WINGS" @ 16" O.C. MAX., LENGTH AS REQUIRED FOR 1/2" MIN. PENETRATION OF THREADS THROUGH STEEL, COUNTERSINK HEADS AS REQUIRED.
- 5. METAL DECK: 1/4" DIA. ST. STL. SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX., LENGTH AS REQUIRED FOR 1/2" MIN. PENETRATION THROUGH UNDERSIDE OF DECK. COUNTERSINK HEADS REQUIRED.
- 6. LIGHT GAGE METAL FRAMING: 1/4" DIA. ST. STL. SELF-TAPPING "DECK" SCREWS, ONE MIN. PER FRAMING MEMBER, LENGTH AS REQ'D FOR 1/2" MIN. PENETRATION THROUGH FRAMING. COUNTERSINK HEADS AS REQUIRED
- 7. PLYWOOD DECK: 1/4" DIA. ST. STL. SELF-TAPPING "DECK" SCREWS, ONE MIN. PER FRAMING MEMBER, LENGTH AS REQ'D FOR 1/2" MIN. PENETRATION THROUGH UNDERSIDE OF DECK. COUNTERSINK HEADS AS REQUIRED.
- 8. WOOD BLOCKING: 1/4" DIA. ST. STL. SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX., LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: TWO 3/8" DIA. CONTINUOUS BEADS OF CONSTRUCTION ADHESIVE THE FULL LENGTH OF THE BOARD TO BE APPLIED, & 12d NAILS @ 4" O.C. (IN 2 ROWS-STAGGERED).

C. PLYWOOD SHEATHING:

- CONCRETE: 1/4" DIA. ST. STL. SELF-TAPPING MASONRY SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. IN THE FIELD, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 1/4" DIA. DEFORMED OR FLUTED NAIL AT SAME SPACING AS ABOVE, LENGTH AS REQ'D. FOR 11/4" MIN. EMBEDMENT.
- 2. CONCRETE BLOCK (CMU): 1/4" DIA. ST. STL. SELF-TAPPING MASONRY SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. IN THE FIELD, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 1/4" DIA. DEFORMED OR FLUTED NAIL AT SAME SPACING AS ABOVE, LENGTH AS REQ'D. FOR 14" MIN. EMBEDMENT.
- 3. BRICK: 1/4" DIA. ST. STL. SELF-TAPPING MASONRY SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX, IN THE FIELD, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT, OPTION: 1/4" DIA, DEFORMED OR FLUTED NAIL AT SAME SPACING AS ABOVE, LENGTH AS REQ'D. FOR 14" MIN. EMBEDMENT.
- 4. STRUCTURAL STEEL: #10 DIA. ST. STL. SELF-DRILLING, SELF-TAPPING SCREWS WITH "WINGS" AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. IN THE FIELD, LENGTH AS REQ'D. FOR 1/2" MIN. PENETRATION OF THREADS THROUGH STEEL.
- 5. METAL DECK: #10 DIA, SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. IN THE FIELD, LENGTH AS REQUIRED FOR 1/2" MIN. PENETRATION THROUGH UNDERSIDE OF DECK.
- 6. LIGHT GAGE METAL FRAMING: #10 DIA. SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. ALONG EACH FRAMING MEMBER, LENGTH AS REQ'D FOR 1/2" MIN. PENETRATION THROUGH, FRAMING. FRAMING TO BE SPACED AT 24" O.C. MAX., UNLESS NOTED OTHERWISE BY DETAILS.
- 7. WOOD FRAMING: #10 DIA. SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX. ALONG EACH FRAMING MEMBER, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 8d ANNULAR RING NAILS AT 6" O.C. MAX. (AT EDGES) AND 12" O.C. MAX, IN FIELD OF PANEL. DECREASE SPACING AT ROOF EDGE \$ CORNER WIND ZONES TO 4" O.C. MAX. AT EDGES, AND 8" O.C. MAX. IN FIELD.

D. METAL DECKING:

- 1. INSTALL AND SECURE PER STEEL JOIST INSTITUTE (SJI) GUIDELINES, SEE SPECIFICATIONS OR STRUCTURAL DETAILS FOR ADDITIONAL INFORMATION.
- E. MINOR STRUCTURAL STEEL:
- ANCHORAGE OF LOAD BEARING STEEL AND LARGE STEEL FABRICATIONS, (SUCH AS LADDERS), IS TO BE AS DEFINED BY STRUCTURAL ENGINEERING DRAWINGS, OR AS ENGINEERED BY THE SUPPLIER. MINOR STRUCTURAL STEEL WOULD BE CONSIDERED ITEMS SUCH AS SUPPORT STANDS, WALL LEDGER ANGLES, ETC.

- 2. CONCRETE: 3/8" DIA. HEAVY-DUTY, SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 16" O.C., LENGTH AS REQ'D FOR 2" MIN. EMBEDMENT.
- 3. CONCRETE BLOCK (CMU): 3/8" DIA. HEAVY-DUTY, SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 16" O.C., LENGTH AS REQUIRED FOR 2" MIN. EMBEDMENT. IF CMU IS HOLLOW, BREAK INTO BLOCK ABOVE, AND FILL CELL OF BLOCK TO RECEIVE ANCHOR SOLID, PERFORM ANY REPAIR AND PATCHING NECESSARY
- 4. BRICK: 3/8" DIA. HEAVY-DUTY, SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 16" O.C., LENGTH AS REQ'D FOR 2" MIN. EMBEDMENT.
- 5. STRUCTURAL STEEL: 1/4" DIA. ST. STL. SELF-DRILLING, SELF-TAPPING SCREWS @ 16" O.C. MAX., LENGTH AS REQUIRED FOR 1/2" MIN. PENETRATION OF THREADS THROUGH STEEL.

F. RIGID INSULATION BOARD

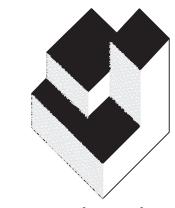
INSTALL AND SECURE PER THE MANUFACTURER'S RECOMMENDATIONS, TESTING AND APPROVALS TO COMPLY WITH THE DESIGN REQUIREMENTS OF THIS PROJECT. SEE PROJECT SPECIFICATIONS AND FASTENING DETAIL FOR ADDITIONAL INFORMATION.

G. ROOF MEMBRANE SYSTEM

INSTALL AND SECURE PER THE MANUFACTURER'S RECOMMENDATIONS, TESTING AND APPROVALS TO COMPLY WITH THE DESIGN REQUIREMENTS OF THIS PROJECT. SEE PROJECT SPECIFICATIONS AND FASTENING DETAIL FOR ADDITIONAL INFORMATION.

H. FLANGED SHEETMETAL (EDGE METAL)

- 1. WOOD BLOCKING: #12 GAGE x 1.50" ANNULAR RING STAINLESS STEEL ROOFING NAILS AT 4" O.C. MAX., STAGGERED IN 2 ROWS INSET AT 3/4" + FROM EACH EDGE OF THE FLANGE.
- 2. LIGHTGAGE METAL: #10 DIA. STAINLESS STEEL, SELF TAPPING, WAFER OR FLAT HEAD SCREWS AT 12" O.C. MAX., 8" O.C. WITHIN ROOF CORNER ZONES, LENGTH AS REQUIRED FOR 1/2" MIN. PENETRATION OF THREADS THROUGH STEEL.
- CONCRETE: 3/16" DIA. ST. STL. SELF-DRILLING, SELF-TAPPING, MASONRY SCREW, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 1/4" DIA. X 1.50" LONG ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER WITH A STAINLESS STEEL DRIVE PIN. INSTALL AT 12" O.C. MAX., 8" O.C. WITHIN ROOF CORNER ZONES
- CLEATS FOR SHEETMETAL FLASHINGS
- WOOD BLOCKING: #12 GAGE x 1.50" ANNULAR RING, STAINLESS STEEL ROOFING NAILS AT 8" O.C. MAX., (4" O.C. AT CORNER ZONES OF ROOF)
- 2. LIGHTGAGE METAL: #10 DIA. STAINLESS STEEL, SELF TAPPING, WAFER OR FLAT HEAD SCREWS, LENGTH AS REQ'D FOR 1/2" MIN. PENETRATION OF THREADS THROUGH STEEL, LOCATE AT 10" O.C. MAX., 6" O.C. WITHIN ROOF CORNER ZONES.
- CONCRETE: 3/16" DIA. ST. STL. SELF-DRILLING, SELF-TAPPING, MASONRY SCREW, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 1/4" DIA. X 1.50" LONG ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER WITH A STAINLESS STEEL DRIVE PIN. INSTALL AT 10" O.C. MAX., 6" O.C. WITHIN ROOF CORNER ZONES.
- 4. CONCRETE BLOCK (CMU): 3/16" DIA. ST. STL. SELF-DRILLING, SELF-TAPPING, MASONRY SCREW, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 1/4" DIA. × 1.50" LONG ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER WITH A STAINLESS STEEL DRIVE PIN. INSTALL AT 10" O.C. MAX., 6" O.C. WITHIN ROOF CORNER ZONES.
- 5. BRICK: 1/4" DIA. ST. STL. SELF-DRILLING, SELF-TAPPING, MASONRY SCREW, LENGTH AS REQUIRED FOR 1.50" MIN. EMBEDMENT. OPTION: 1/4" DIA. x 1.50" LONG ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER WITH A STAINLESS STEEL DRIVE PIN. INSTALL AT 10" O.C. MAX., 6" O.C. WITHIN ROOF CORNER ZONES.
- APPLIED SHEETMETAL (COUNTERFLASHINGS, ETC.)
- 1. WOOD BLOCKING: #12 DIA. SELF-TAPPING, STAINLESS STEEL SCREWS AT 8" O.C. MAX., LENGTH AS REQUIRED FOR 1.25" MIN. EMBEDMENT INTO WOOD, IF EXPOSED TO THE WEATHER, USE "SCOTS" TYPE SCREW WITH INTEGRAL NEOPRENE SEALING WASHER.
- 2. SHEETMETAL BACKING: #12" DIA, SELF-TAPPING STAINLESS STEEL SCREWS AT 8" O.C. MAX., LENGTH AS REQ'D FOR 1/2" MIN. PENETRATION OF THREADS THROUGH STEEL. IF EXPOSED TO THE WEATHER PROVIDE "SCOTS" TYPE SCREW WITH INTEGRAL NEOPRENE SEALING WASHER.
- 3. CONCRETE: 1/4" DIA SELF-TAPPING STAINLESS STEEL MASONRY SCREWS AT 8" O.C. MAX., LENGTH AS REQUIRED FOR 14" MIN. EMBEDMENT. OPTION: 1/4" DIA. X 1.50" ZAMAC "NAILIN" DRIVE PIN, EXPANSION TYPE FASTENERS @ 8" O.C. MAX., WITH STAINLESS STEEL DRIVE PIN. IF EXPOSED TO THE WEATHER PROVIDE METAL BACKED NEOPRENE SEALING WASHERS - ADJUST LENGTH AS REQ'D BY OVERLYING FINISH TO MAINTAIN 1.25" MIN. EMBEDMENT INTO CONCRETE.
- 4. CONCRETE BLOCK (CMU): 1/4" DIA. SELF-TAPPING STAINLESS STEEL MASONRY SCREWS AT 8" O.C. MAX., LENGTH AS REQUIRED FOR 1.25" MIN. EMBEDMENT. OPTION: 1/4" DIA. x 1.50" ZAMAC "NAILIN" DRIVE PIN EXPANSION TYPE FASTENERS @ 8" O.C. MAX., WITH STAINLESS STEEL DRIVE PIN. IF EXPOSED TO THE WEATHER PROVIDE METAL BACKED NEOPRENE SEALING WASHERS-INCREASE LENGTH IF REQ'D BY OVERLYING FINISH FOR 1.25" MIN. EMBEDMENT INTO CONCRETE BLOCK.
- 5. BRICK: 1/4" DIA. SELF-TAPPING STAINLESS STEEL MASONRY SCREWS AT 8" O.C. MAX., LENGTH AS REQUIRED FOR 1.25" MIN. EMBEDMENT. OPTION: 1/4" DIA. x 1.50" ZAMAC "NAILIN" DRIVE PIN EXPANSION TYPE FASTENERS @ 8" O.C. MAX., WITH STAINLESS STEEL DRIVE PIN. IF EXPOSED TO THE WEATHER PROVIDE METAL BACKED NEOPRENE SEALING WASHERS- INCREASE LENGTH IF REQ'D BY OVERLYING FINISH FOR 1.25" MIN. EMBEDMENT INTO BRICK.



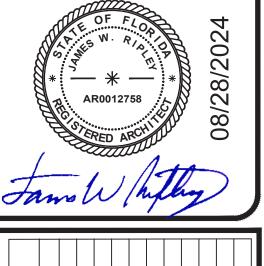
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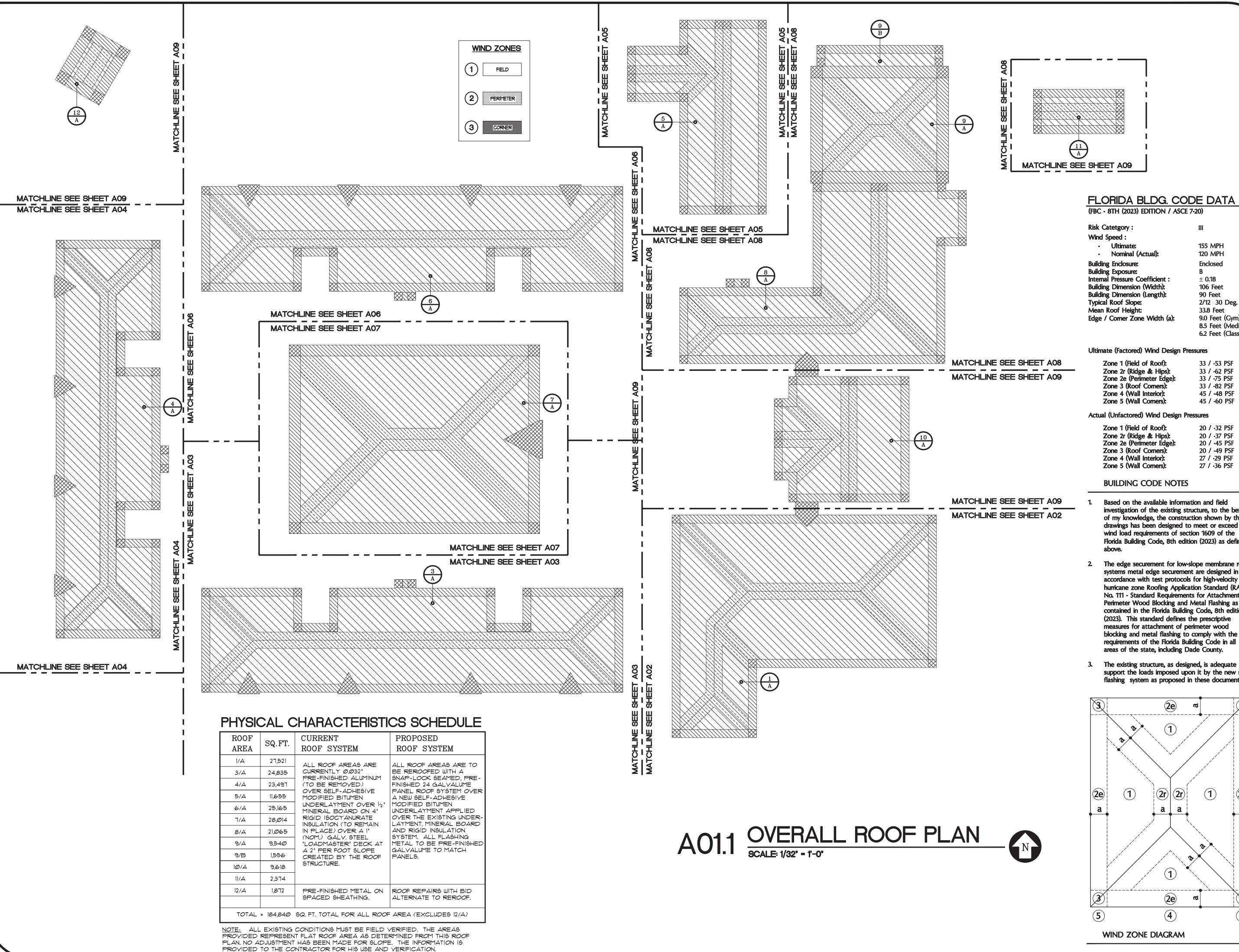
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ARCH/ENGR OF RECOR JAMES W. RIPLEY DESIGNED BY JWR NVJ ISSUE DATE AE PROJECT NUMBER 08/28/2024 22045.00

SHEET TITLE GENERAL ROOFING NOTES, ROOF COMPONENT FASTENING SCHEDULE, AND **ABBREVIATIONS**

ABBREVIATIONS

ADJ	ADAJACENT	DIA	DIAMETER	LW	LIGHTWEIGHT	RAD	RADIUS
A/C	AIR CONDITIONING	DIM	DIMENSION	LLH	LONG LEG HORIZONTAL	RWL	RAINWATER LEADER
ALT	ALTERNATE	DS	DOWNSPOUT	LLY	LONG LEG VERTICAL	REF	REFERENCE
ALUM	ALUMINUM	DWG	DRAWING			REINF	REINFORCE (D), (MENT)
ANOD	ANODIZED			MFR	MANUFACTURE(ER)	RCP	REINF, CONCRETE PIPE
APPROX	APPROXIMATE	E	EAST	MATL	MATERIAL(S)	REY	REVISION
ARCH	ARCHITECT(URAL)	ELEC	ELECTRIC(AL)	MAX	MAXIMUM	RD	ROOF DRAIN
		EL (ELEY)	ELEVATION	MECH	MECHANIC(AL)	RO	ROUGH OPENING
BRG	BEARING	EQ	EQUAL	MTL	METAL		1000 ENITO
BIT	BITUMINOUS	EQUIP	EQUIPMENT	MIN	MINIMUM	SCH	SCHEDULE
	BITUMEN	E×H	EXHAUST	MISC	MISCELLANEOUS	SEAL	SEALANT
BLK	BLOCK	EXIST	EXISTING	MOD	MODIFY / MODIFIED	SHT	SHEET
BLKG	BLOCKING	EXP	EXPANSION	MTD	MOUNTED(ING)	SIM	SIMILAR
BD	BOARD	EXT	EXTERIOR			S	SOUTH
BOT	BOTTOM			NOM	NOMINAL	SPK	SPEAKER
BLDG	BUILDING	FIN	FINISH(ED)	Ν	NORTH	SPEC	SPECIFICATION(S)
BUR	BUILT UP ROOF	FLASH	FLASHING	NIC	NOT IN CONTRACT	0, 20	
		$FLE \times$	FLEXIBLE	NTS	NOT TO SCALE	SQ	SQUARE
CIP	CAST-IN-PLACE	FTG	FOOTING	NO	NUMBER	SF	SQUARE FEET
CB	CATCH BASIN	FDN	FOUNDATION			ST STL	STAINLESS STEEL
CLG	CEILING	- 1	- / / - / >	00	ON CENTER(S)	STD	STANDARD
COL	COLUMN	GA	GAGE (GAUGE)	OCEW	ON CENTER EACH WAY	STL	STEEL
COMP	COMPRESS,	GALY	GALVANIZED	OPG	OPENING	STRUCT	STRUCTURAL
	(ION), (IBLE)	GWB	GYPSUM WALL BOARD	OPP	OPPOSITE	STRUCT	STRUCTURAL
CONC	CONCRETE	HDWE	HARDWARE	OD	OUTSIDE DIAMETER	THK	THICK(NESS)
CMU	CONCRETE MASONRY UNIT	HVAC	HEATING/VENTILATION		OUTSIDE DIMENSION	T # G	TONGUE AND GROOVE
CONST		HYAC	/AIR CONDITIONING	PTD	PAINT(ED)	TYP	TYPICAL
CONST	CONSTRUCTION	HT (HGT)	HEIGHT	PR	PAIR		
CONT	CONTINUOUS OR CONTINUE	HM	HOLLOW METAL	PL	PLATE	UNO	UNLESS NOTED OTHERW
CJ	CONTROL JOINT	HORIZ	HORIZONTAL	PLYWD	PLYWOOD	VERT	VERTICAL
CTR	CENTER			PVC	POLYVINYL CHLORIDE	¥ []	YENTOAL
C.F.	CUBIC FOOT	INCL	INCLUDE(D), (ING)	PSF	POUNDS PER SQUARE FOOT	WWF	WELDED WIRE FABRIC
· ·		ID	INSIDE DIAMETER	PSI	POUNDS PER SQUARE INCH	W	WEST
DEMO	DEMOLISH,		INSIDE DIMENSION	PC	PRECAST CONCRETE	WM	WIRE MESH
	DEMOLITION	INSUL	INSULATE(D), (ION)			W/	WITH
DET	DETAIL	INT	INTERIOR	PT	PRESSURE TREATED	W/O	WITHOUT
DIAG	DIAGONAL						WOOD

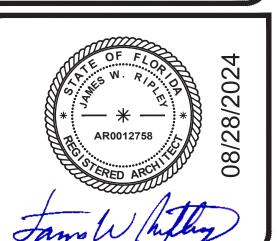




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Zone 1 (Field of Roof): 33 / -53 PSF Zone 2r (Ridge & Hips): Zone 2e (Perimeter Edge): 33 / -62 PSF 33 / -75 PSF Zone 3 (Roof Corners): 33 / -82 PSF Zone 4 (Wall Interior): 45 / -48 PSF Zone 5 (Wall Corners): 45 / -60 PSF

120 MPH

Enclosed

± 0.18

106 Feet

90 Feet

33.8 Feet

2/12 30 Deg.

9.0 Feet (Gym) 8.5 Feet (Media)

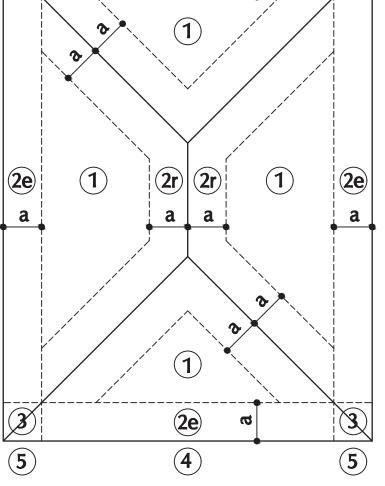
6.2 Feet (Classroom)

Actual (Unfactored) Wind Design Pressures

Zone 1 (Field of Roof): 20 / -32 PSF Zone 2r (Ridge & Hips): Zone 2e (Perimeter Edge): 20 / -37 PSF 20 / -45 PSF Zone 3 (Roof Corners): 20 / -49 PSF Zone 4 (Wall Interior): 27 / -29 PSF Zone 5 (Wall Corners): 27 / -36 PSF

BUILDING CODE NOTES

- Based on the available information and field investigation of the existing structure, to the best of my knowledge, the construction shown by these drawings has been designed to meet or exceed the wind load requirements of section 1609 of the Florida Building Code, 8th edition (2023) as defined
- 2. The edge securement for low-slope membrane roof systems metal edge securement are designed in accordance with test protocols for high-velocity hurricane zone Roofing Application Standard (RAS) No. 111 - Standard Requirements for Attachment of Perimeter Wood Blocking and Metal Flashing as contained in the Florida Building Code, 8th edition (2023). This standard defines the prescriptive measures for attachment of perimeter wood blocking and metal flashing to comply with the requirements of the Florida Building Code in all areas of the state, including Dade County.
- The existing structure, as designed, is adequate to support the loads imposed upon it by the new roof flashing system as proposed in these documents.



WIND ZONE DIAGRAM

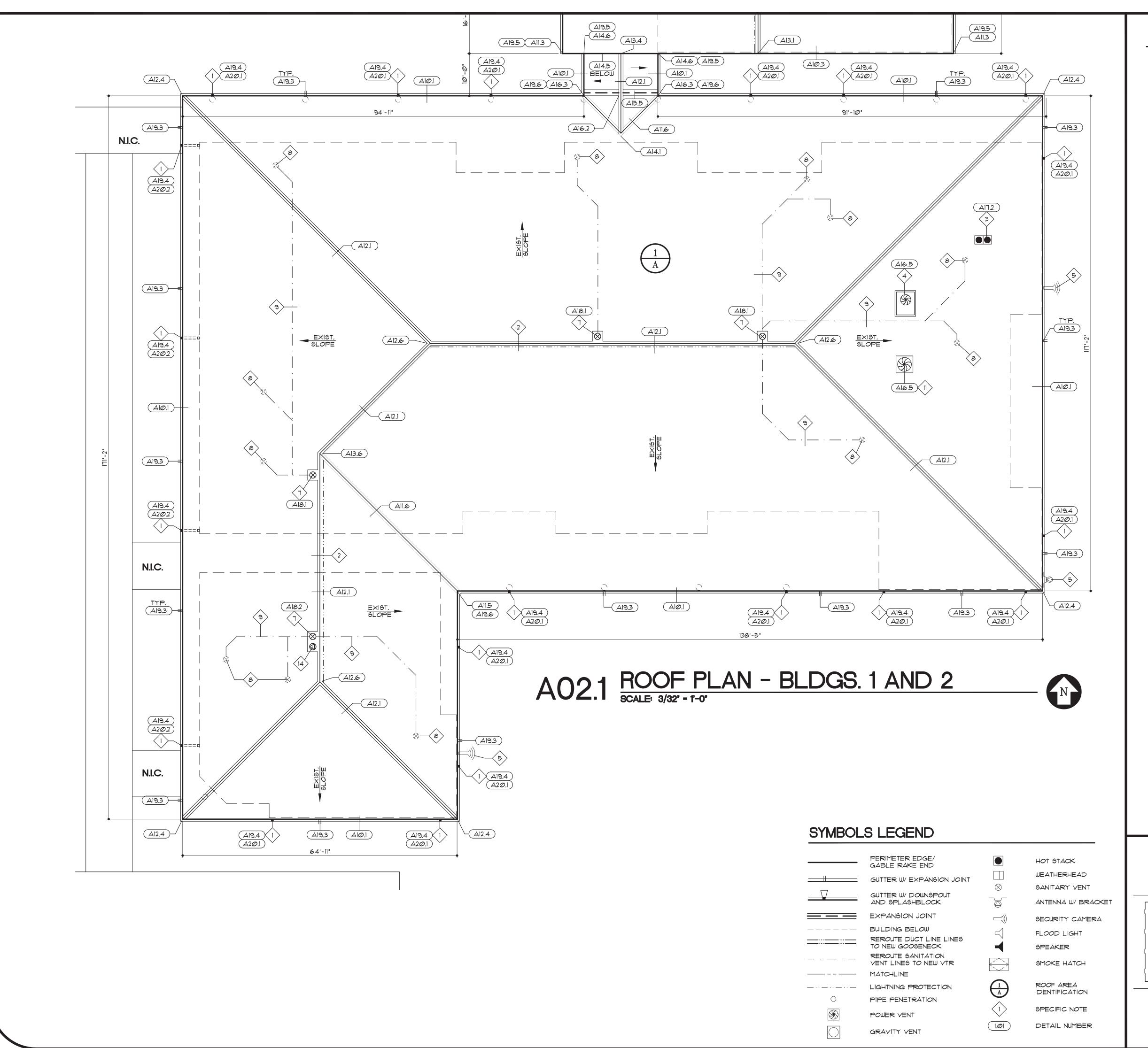
Architect JAMES W. RIPLEY ISSUE DATE 08/28/2024 OVERALL ROOF PLAN, PHYSICAL CHARACTERISTICS

SCHEDULE & BLDG. CODE DATA

NVJ

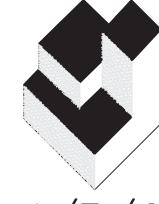
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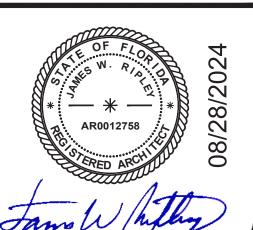
KEY PLAN



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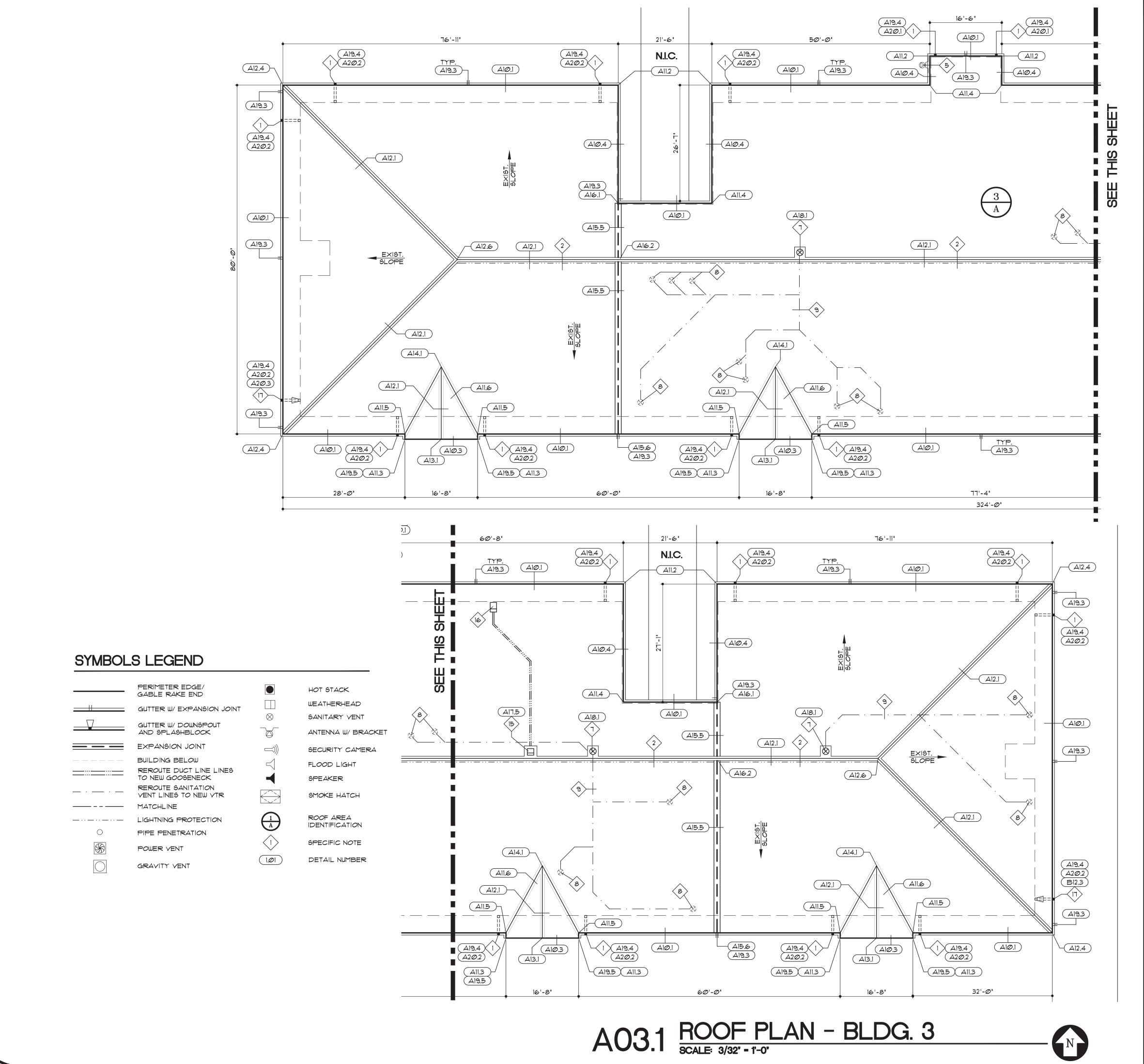
Architect
JAMES W. RIPLEY

DESIGNED BY
JWR

ISSUE DATE
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ROOF PLAN-BUILDINGS 1 & 2

DRAWING NO.



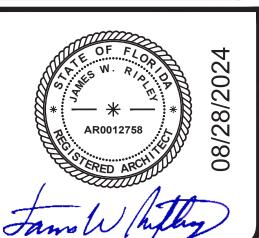
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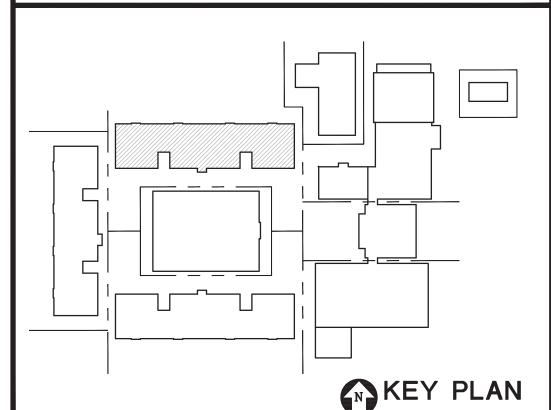
Architect
JAMES W. RIPLEY

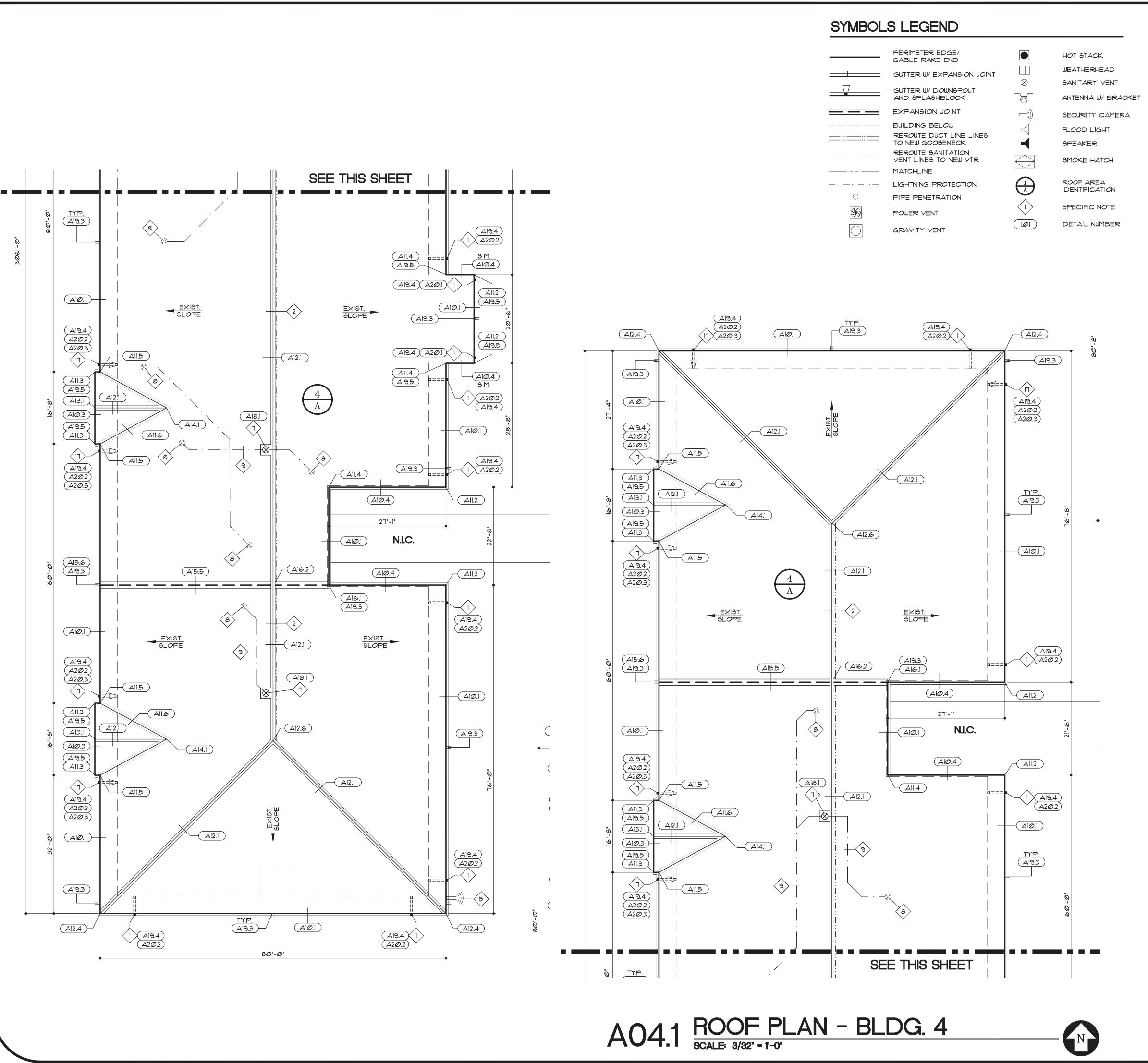
DESIGNED BY
JWR

NVJ

ISSUE DATE
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ROOF PLAN BUILDING 3





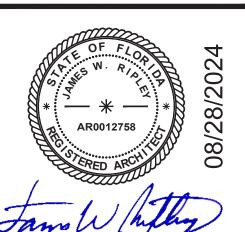
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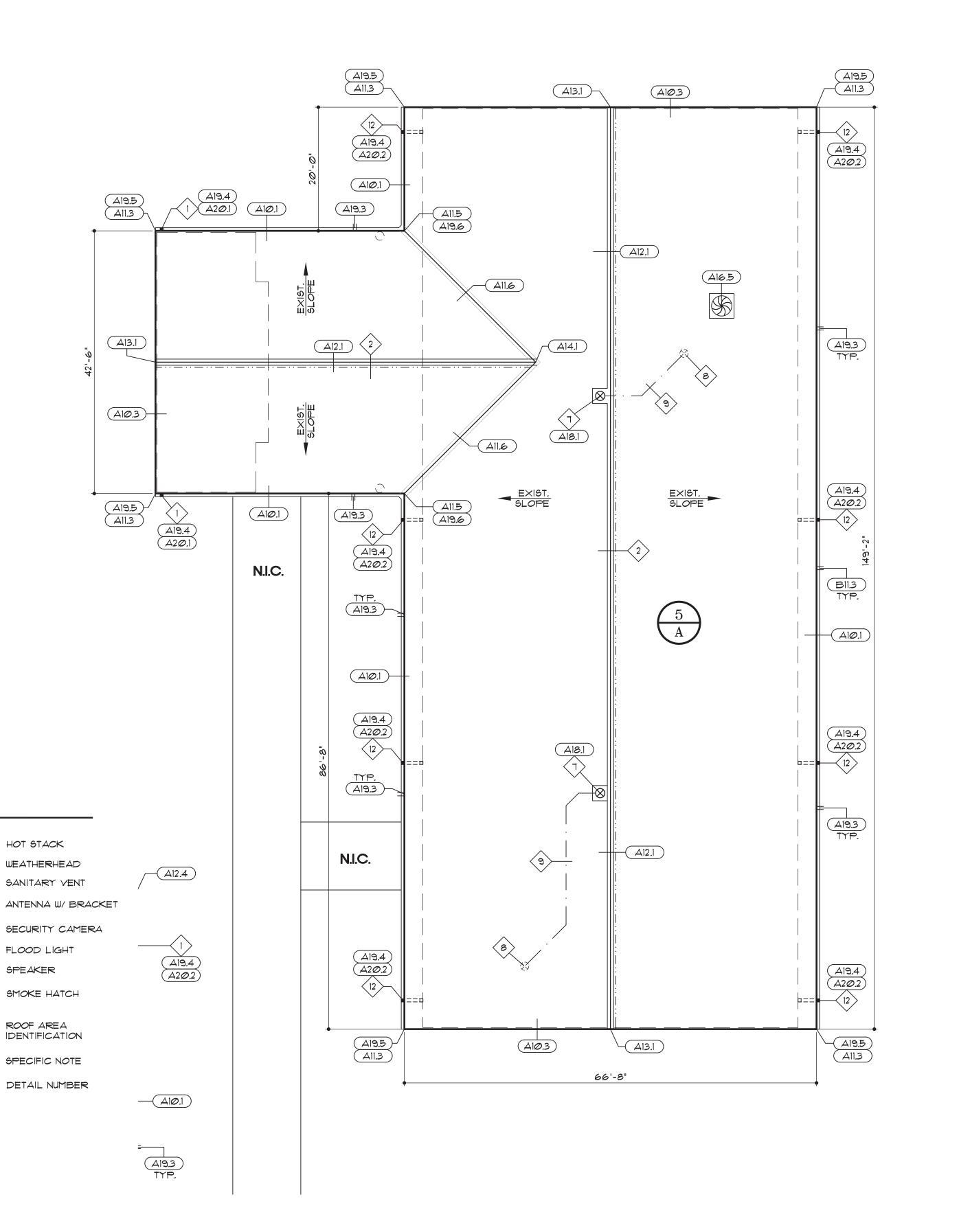
Architect
JAMES W. RIPLEY

DESIGNED BY
JWR

ISSUE DATE
08/28/2024

ROOF PLAN-BUILDING 4

KEY PLAN



SYMBOLS LEGEND

PERIMETER EDGE/

GABLE RAKE END

EXPANSION JOINT

BUILDING BELOW

TO NEW GOOSENECK

REROUTE SANITATION VENT LINES TO NEW VTR

LIGHTNING PROTECTION

1.01

PIPE PENETRATION

POWER VENT

GRAVITY VENT

GUTTER W/ EXPANSION JOINT

REROUTE DUCT LINE LINES

GUTTER W/ DOWNSPOUT AND SPLASHBLOCK

SPECIFIC NOTES

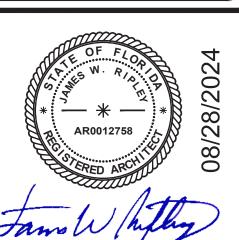
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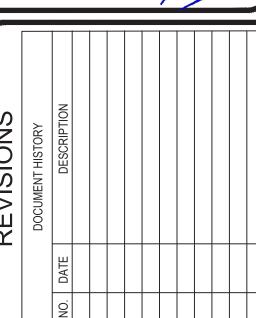


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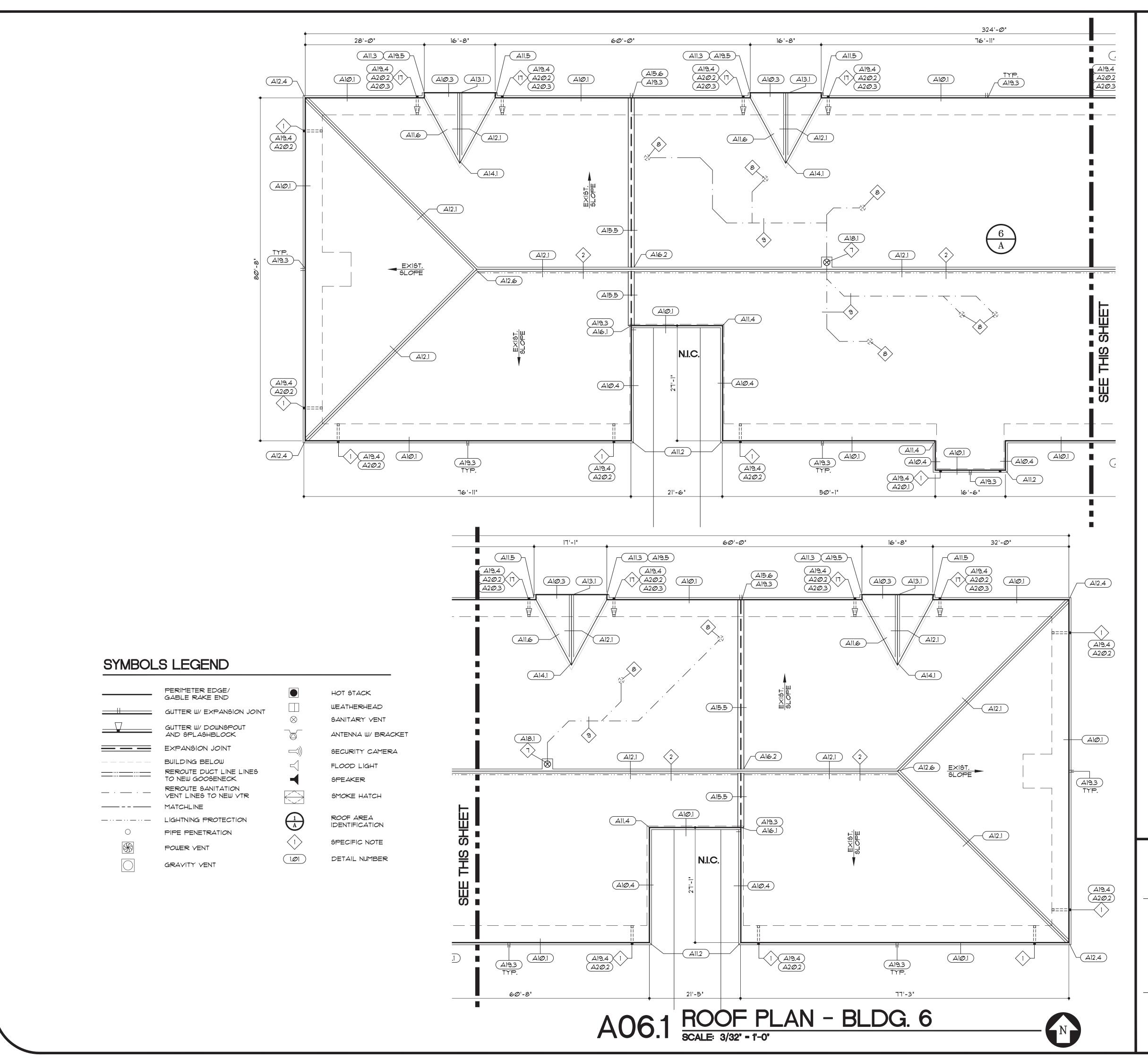
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Architect JAMES W. RIPLEY ISSUE DATE 08/28/2024 **ROOF PLAN -BUILDING 5** KEY PLAN

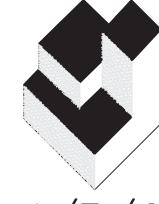
A05.1 ROOF PLAN - BLDG. 5
SCALE: 3/32' - 1'-0'





- INSTALL NEW 4" x 4" ALUM. DOWNSPOUT AT EXISTING LOCATION. CONNECT TO STORMWATER LINE BELOW GRADE. FIELD VERIFY ALL CONDITIONS.
- REMOVE AND STORE EXIST. LIGHTNING PROTECTION SYSTEM- REINSTALL AFTER NEW ROOF SYSTEM IS IN PLACE- SEE DETAILS AIS.6 AND AIG.I -SUPPLEMENT AS REQ'D. & REPLACE ANY DAMAGED EQUIPMENT.
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- 8 EXISTING PLUMBING VENT PIPE THRU ROOF TO BE ABANDONED. COVER HOLE THRU METAL DECK W/ 18 GA. GALV. STEEL PLATE, (DIAMETER = DECK OPG + 4"- SECURE WITH #14 DIA. "TEK" SCREWS @ 8" O.C. (4 MIN.)) -PATCH RIGID INSULATION TO MATCH EXISTING.
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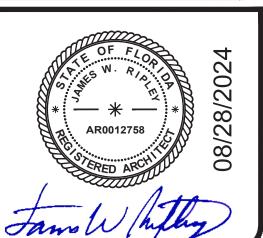
KEY PLAN



A/R/C Associates Incorporated

Architecture
Roof Consulting
Construction Technology
LIC. NBR AR-0007684
601 North Fern Creek Avenue
Suite 100 Orlando, FL
32803-4899

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DOCUMENT HISTORY
DESCRIPTION

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IERITAGE MIDDLE SCHOOL PLACE ROOF CAMPUS WID

ARCH/ENGR OF RECORD

Architect
JAMES W. RIPLEY

DESIGNED BY
JWR

NVJ

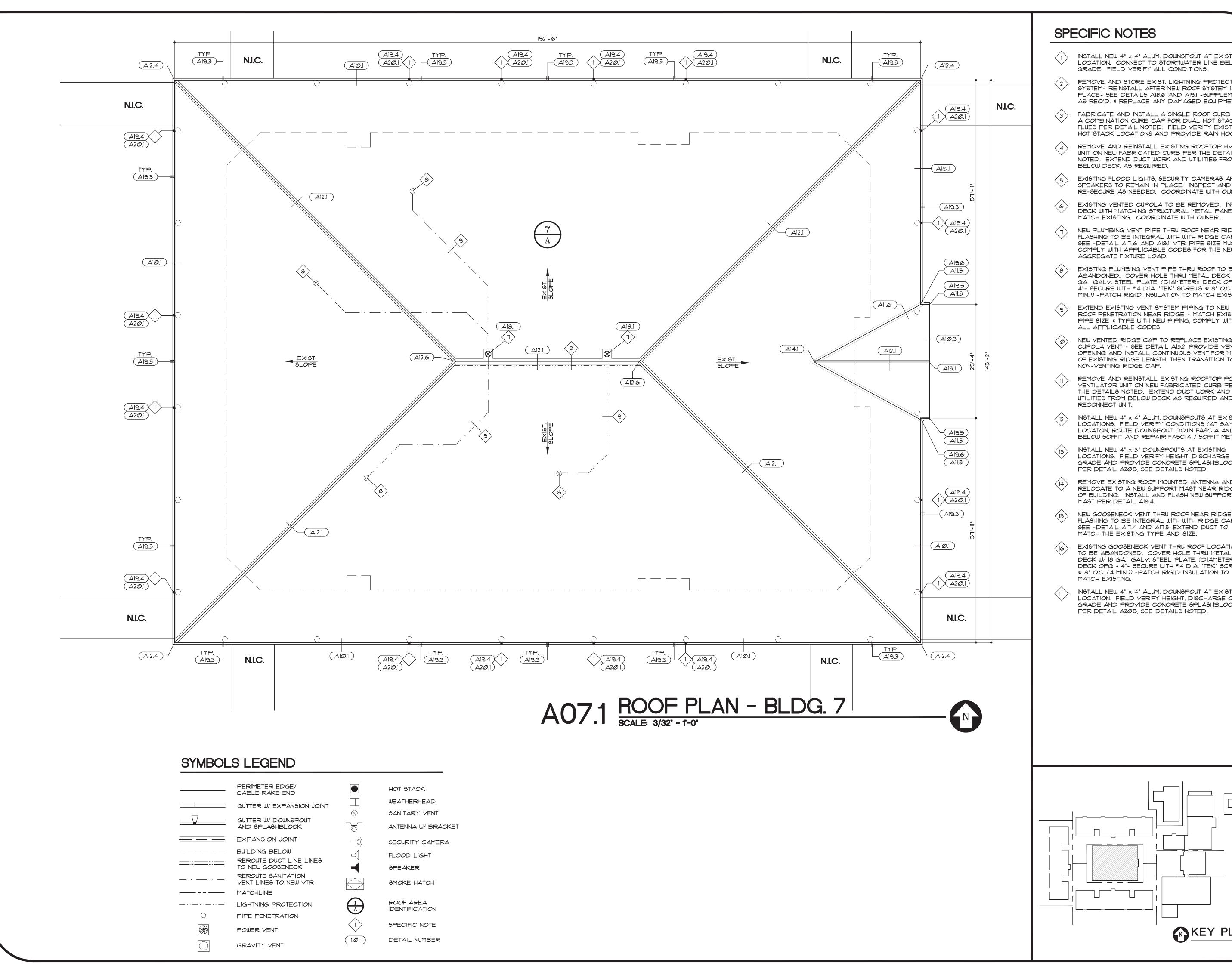
ISSUE DATE
08/28/2024

AE PROJECT NUMBER
22045.00

SHEET TITLE

ROOF PLAN BUILDING 6

A06



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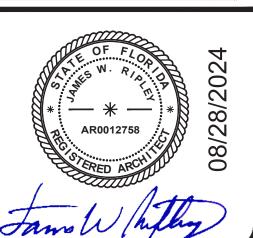
KEY PLAN



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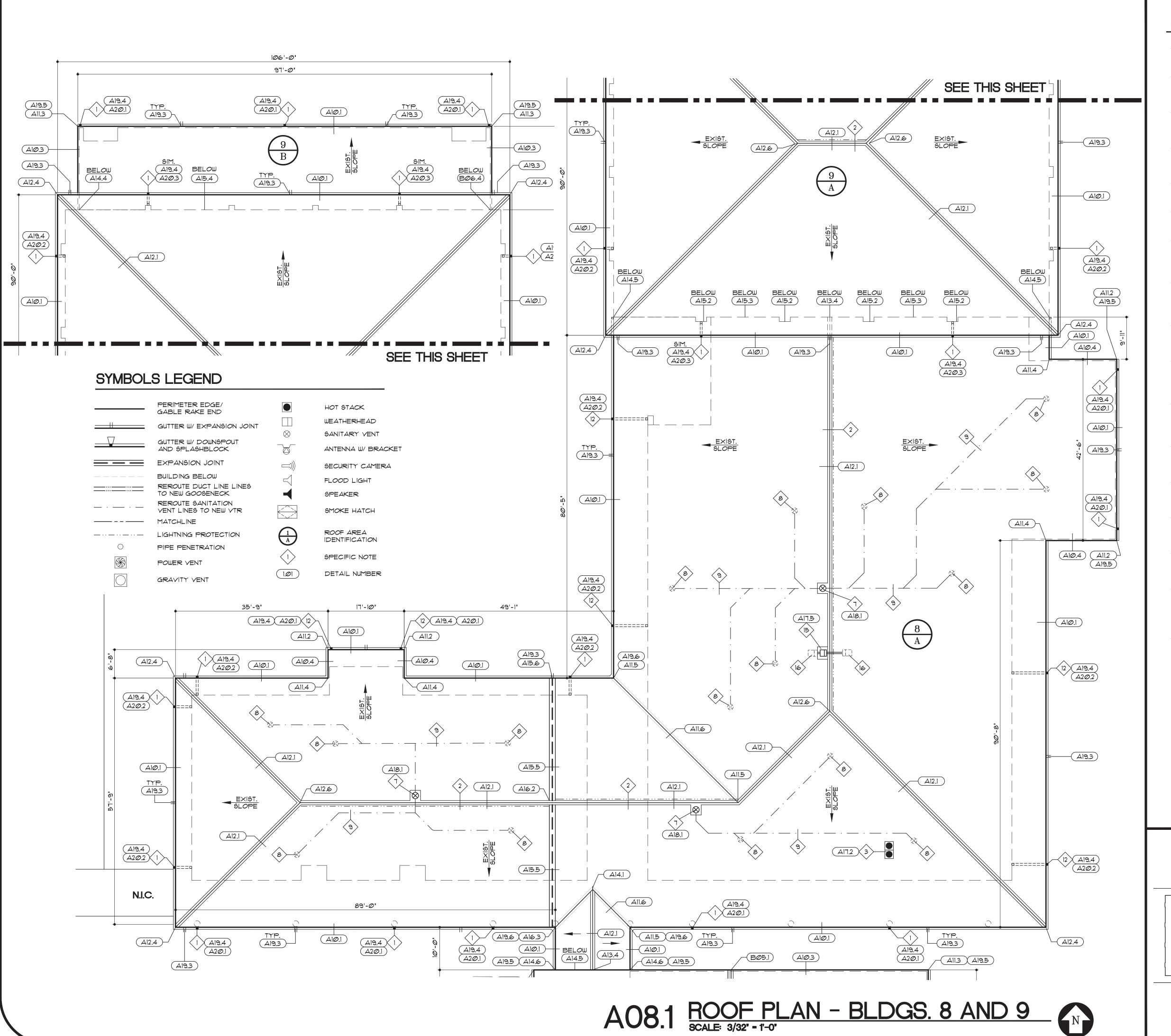
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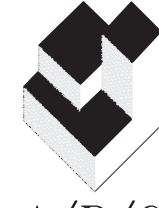
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ARCH/ENGR OF RECORD Architect JAMES W. RIPLEY NVJ ISSUE DATE AE PROJECT NUMBER 08/28/2024 22045.00 **ROOF PLAN -BUILDING 7**



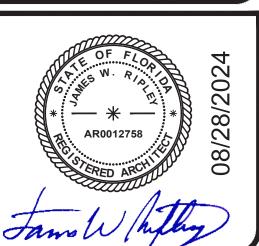
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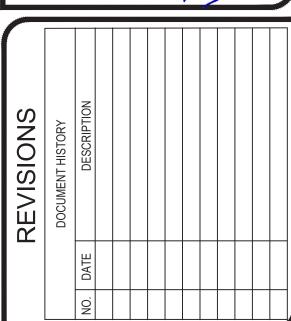


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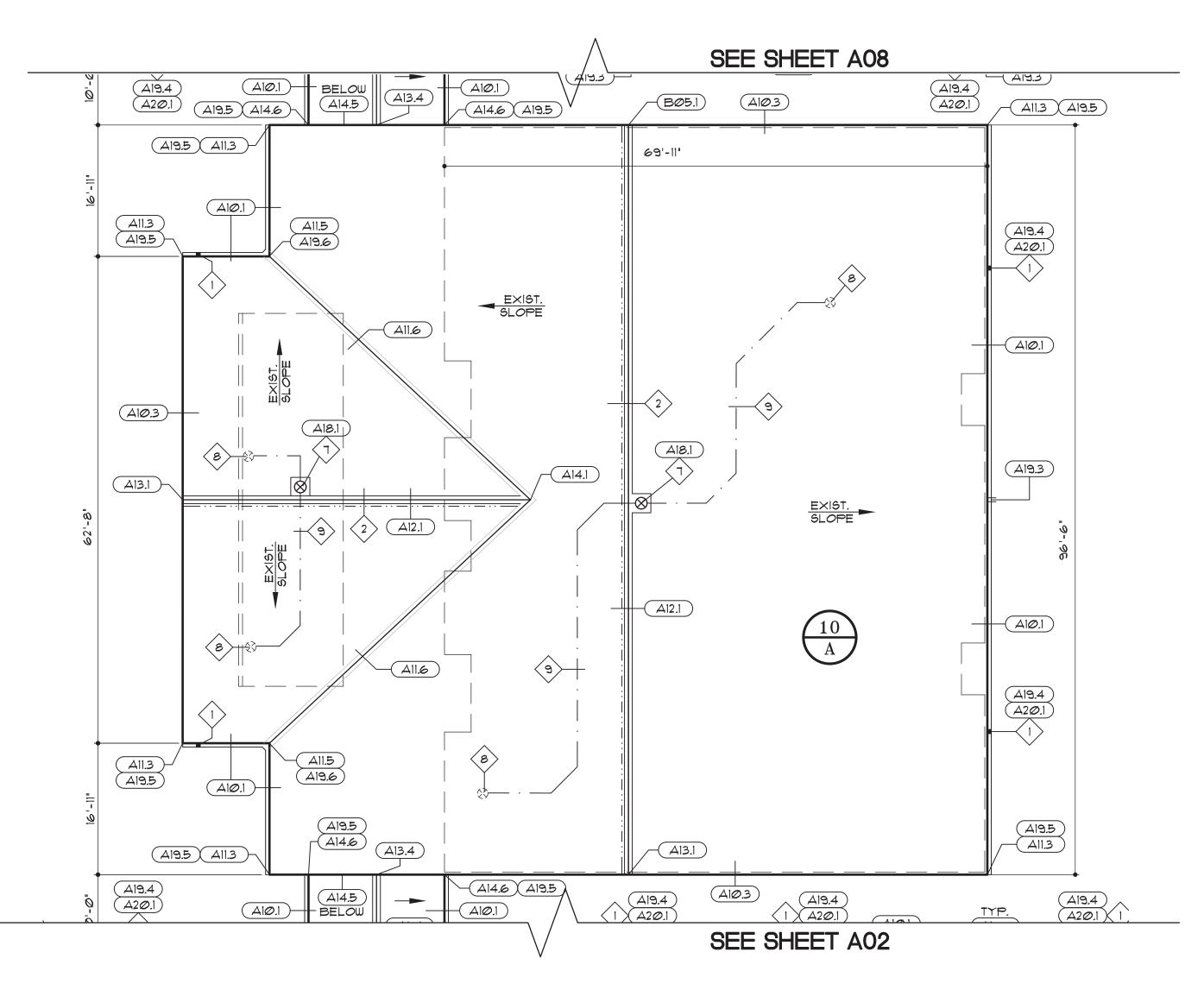
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ARCH/ENGR OF RECORD Architect NVJ AE PROJECT NUMBER 22045.00 **ROOF PLAN -**BUILDINGS 8 & 9

JAMES W. RIPLEY ISSUE DATE 08/28/2024

KEY PLAN



SYMBOLS LEGEND

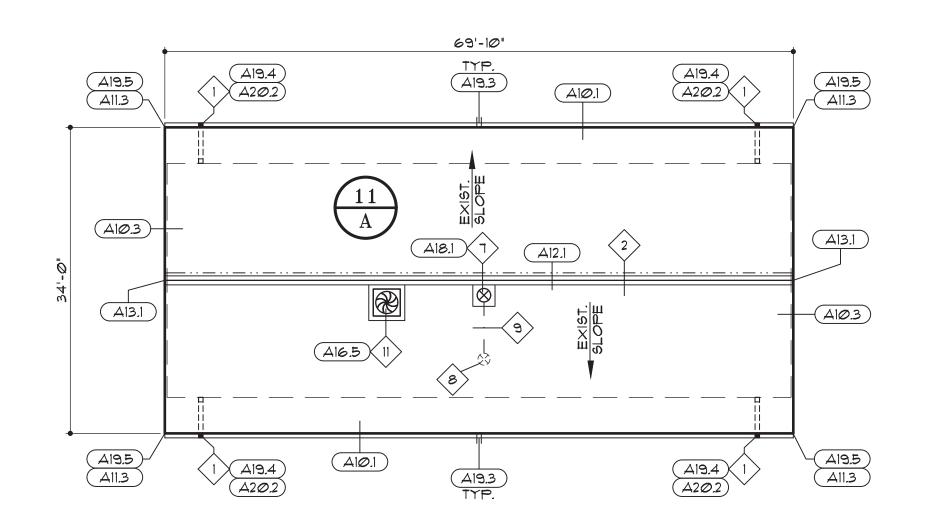
GRAVITY VENT

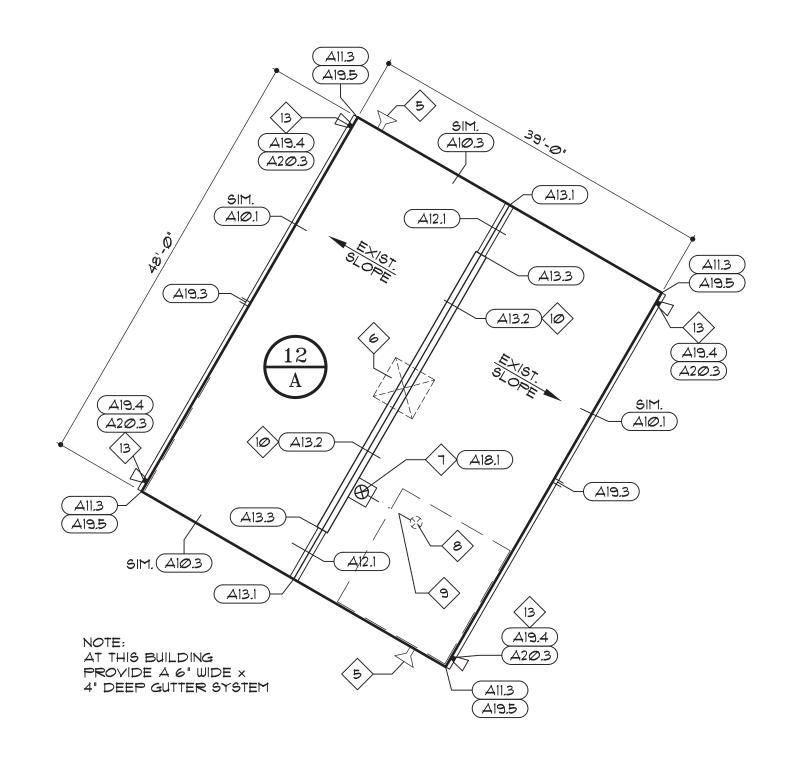
PERIMETER EDGE/ HOT STACK GABLE RAKE END WEATHERHEAD GUTTER W/ EXPANSION JOINT SANITARY VENT GUTTER W/ DOWNSPOUT ANTENNA W/ BRACKET AND SPLASHBLOCK EXPANSION JOINT SECURITY CAMERA BUILDING BELOW FLOOD LIGHT REROUTE DUCT LINE LINES TO NEW GOOSENECK SPEAKER REROUTE SANITATION VENT LINES TO NEW VTR SMOKE HATCH MATCHLINE $\begin{pmatrix} 1 \\ A \end{pmatrix}$ ROOF AREA LIGHTNING PROTECTION IDENTIFICATION PIPE PENETRATION SPECIFIC NOTE POWER VENT

(1.01)

DETAIL NUMBER

A09.1 ROOF PLAN - BLDG. 10 SCALE: 3/32' - 1'-0'





A09.2 ROOF PLAN - BLDG. 11
SCALE: 3/32' - 1'-0'



A09.3 ROOF PLAN - BLDG. 12 SCALE: 3/32' - 1'-0'



SPECIFIC NOTES

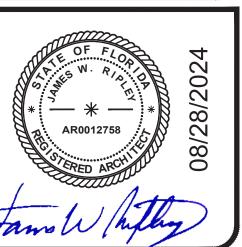
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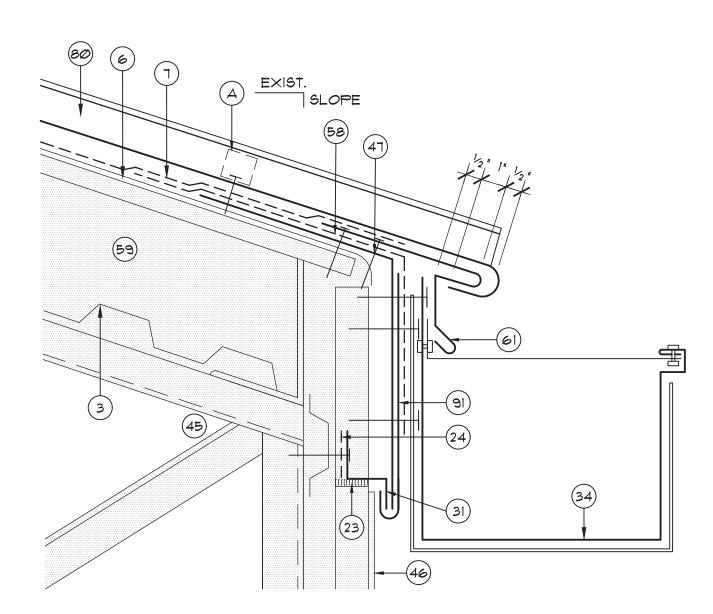
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ARCH/ENGR OF RECOR Architect JAMES W. RIPLEY NVJ AE PROJECT NUMBER 08/28/2024 22045.00 **ROOF PLANS -**

BUILDINGS 10, 11 & 12

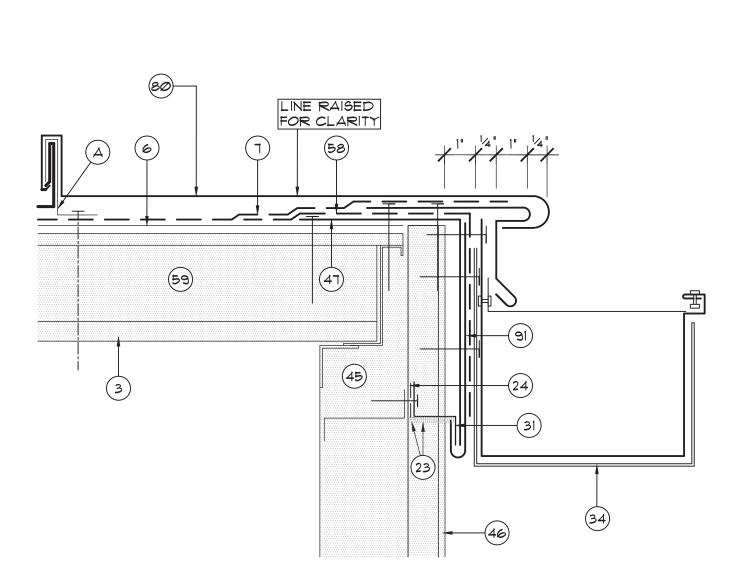
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KEY PLAN



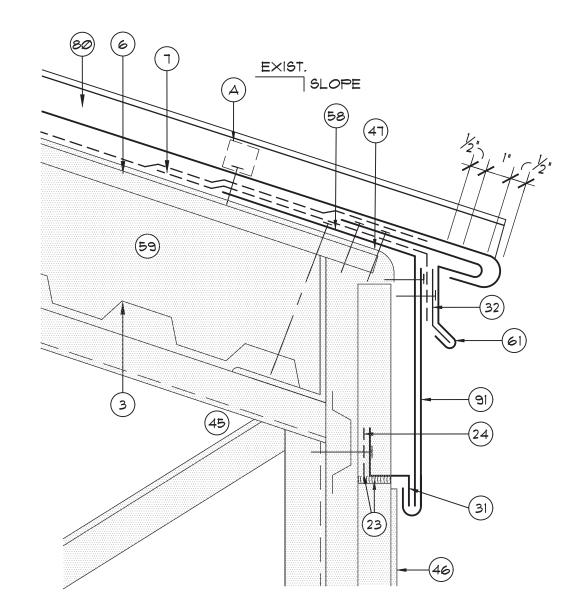
TYPICAL DRIP EDGE TRIM AND A10.1 FLASHING DETAIL WITH GUTTER

SCALE: 3' = 1'-0'

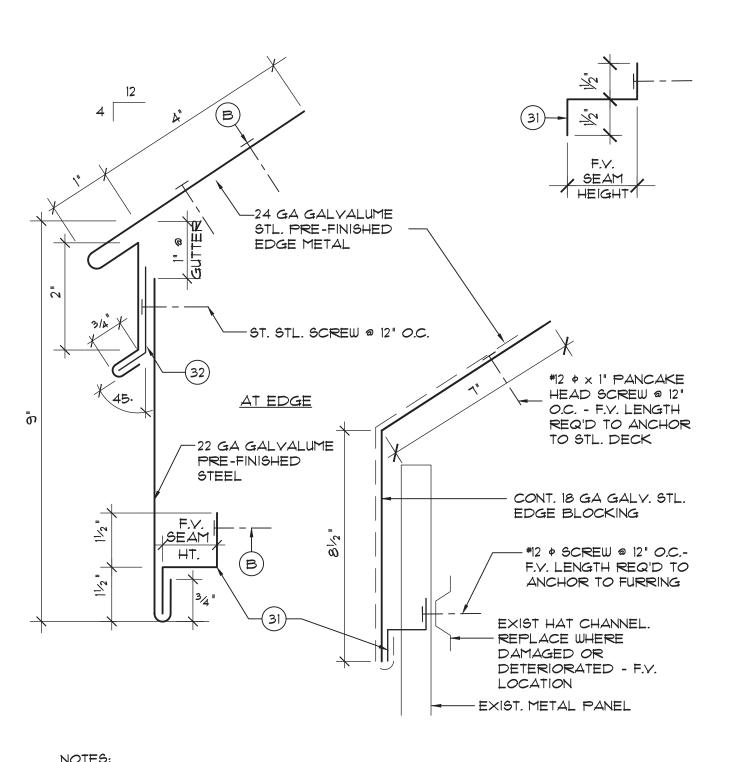


AT THE SIMILAR CONDITIONS, THIS EDGE FLASHING REMAINS UNCHANGED EXCEPT THE GUTTER AND ALL ASSOCIATED COMPONENTS ARE TO BE OMITTED.

RAKE EDGE TRIM AND FLASHING DETAIL AT ROOF LEVEL OFFSETS

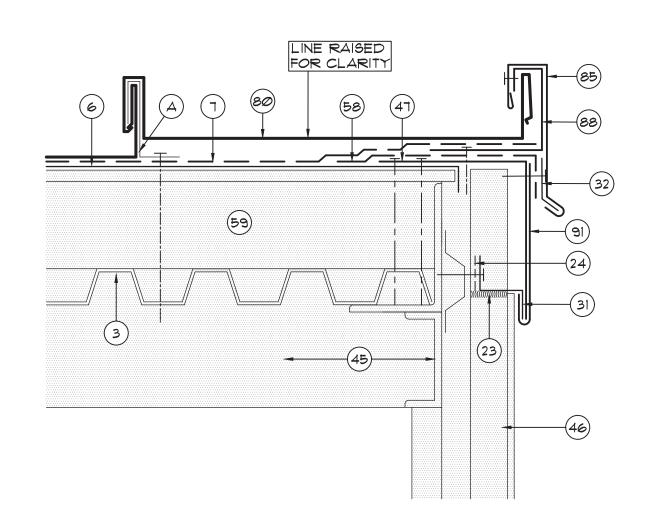


TYPICAL DRIP EDGE TRIM AND FLASHING DETAIL WITHOUT GUTTER

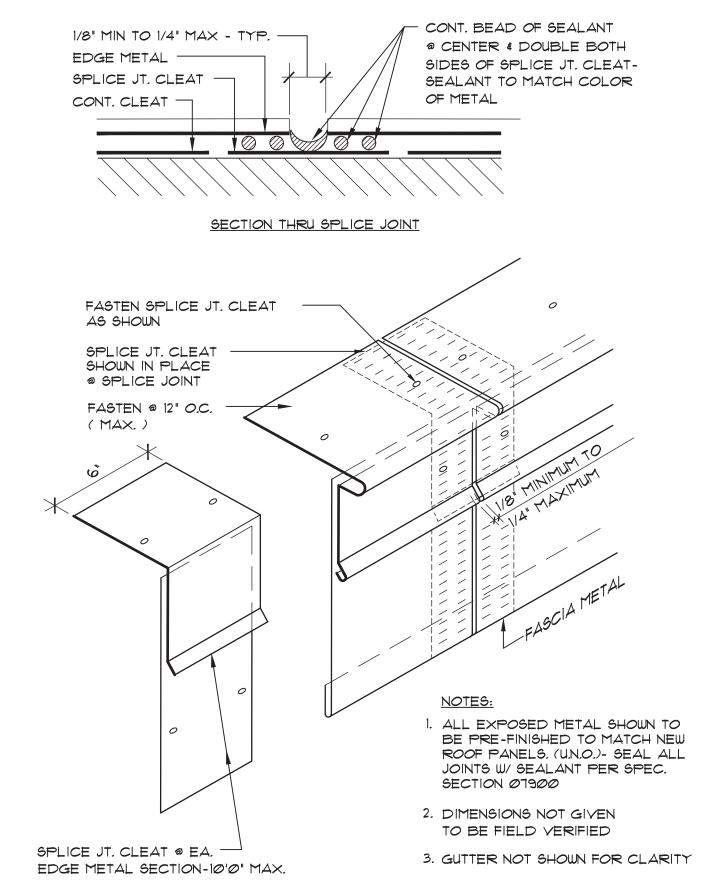


NEW EDGE METAL COMPONENTS FIELD VERIFY DIMENSIONS FROM EXISTING CONDITIONS 2. SEE DETAIL AIDS FOR SPLICE JOINT

TYPICAL DRIP EDGE FLASHING AND BLOCKING FABRICATIONS



TYPICAL RAISED RAKE EDGE TRIM AND FLASHING DETAIL



TYPICAL SPLICE JOINT A10.6 CLEAT AND PROFILE AT EDGE DETAIL SCALE: NONE



- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- 3. EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- 1. NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- 9. EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND

REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.

- 10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.
- 16. BATT INSULATION, NEW TO BE 6' R-19 UNLESS NOTED OTHERWISE
- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED

21. SURFACE APPLIED TERMINATION BAR - SEE DETAIL NOTED

- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 G.A. PRE-FINISHED GALYALUME STEEL "Z-CLOSURE"
- NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2.
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- CONTINUOUS 18 GA. GALY. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A14.2.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN 'STRIP-IN' FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL
- EDGE SEE DETAIL AIØ.5
- 64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING
- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
- 69. 24 GA. PRE-FINISHED GALVALUME ROOF CURB FABRICATION
- 72. 26 GA GALYALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL A14.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN 'Z-CLOSURE'. SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALVALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END CLOSURE PIECE / EDGE METAL -SEE DETAILS AID.3 & AII.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE
- 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP
- 88. CONTINUOUS 22 GA. GALYALUME STEEL RAKE / GABLE CLIP
- 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND, INSTALL PER MANUFACTURER'S DIRECTIONS

98. 3" LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT

- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL
- A. MFR'S PROVIDED ANCHOR CLIP SCREW TO METAL DECK

BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.

- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- E. RAWL *2864 ZAMAC "NAIL-IN" FASTENERS @ 8" O.C. (MAX.) WITH ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH

REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI.

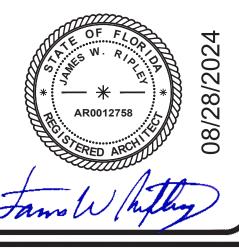
- F. ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER SCHEDULE ON DRAWING G02.
- G. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS,
- PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
- CLOSED CELL FOAM RUBBER CLOSURE CUT AS REQ'D FOR FRICTION FIT WITHIN EACH PANEL AND SEAL WITH ONE PART URETHANE SEALANT



Associates Incorporated Architecture

Roof Consulting Construction Technology LIC. NBR AR-0007684 601 North Fern Creek Avenue Suite 100 Orlando, FL

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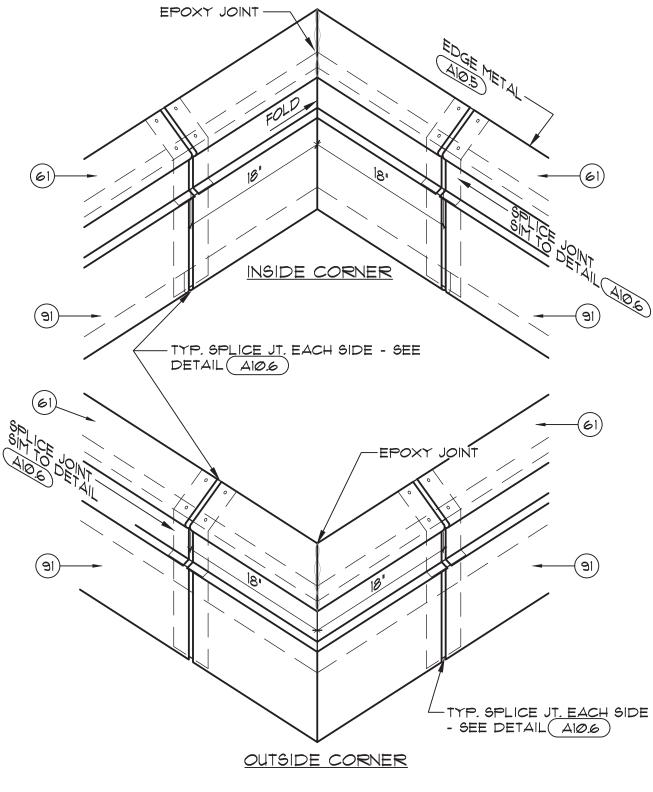
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DRIP EDGE FLASHING AND FABRICATION DETAILS



NOTES:

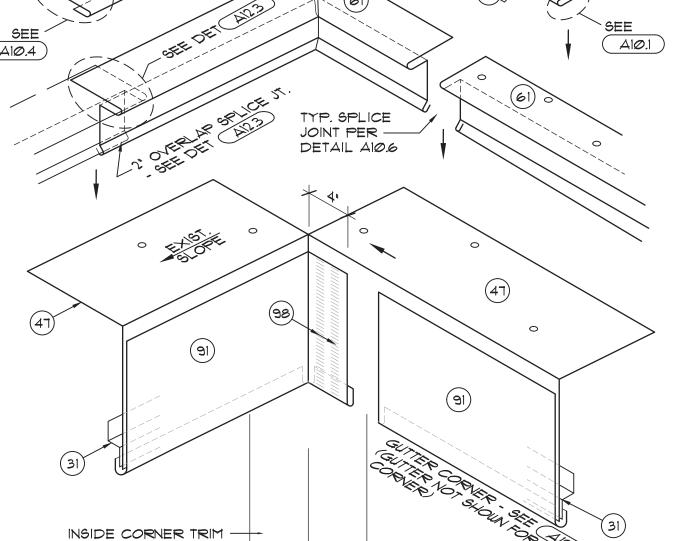
1. ALL EXPOSED METAL SHOWN TO 2. DIMENSIONS NOT GIVEN BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.)- SEAL ALL JOINTS W/ SEALANT PER SPEC. SECTION Ø7900

TO BE FIELD VERIFIED

3. GUTTER NOT SHOWN FOR CLARITY, SEE DETAIL A20.6 FOR CORNER

EDGE METAL INSIDE / OUTSIDE CORNER FABRICATION DETAILS

-CUT AND FIT SINGLE ROOF PANEL AT INSIDE CORNER - EPOXIED JOINT _AIØ.1 TYP. SPLICE DETAIL AIO.6

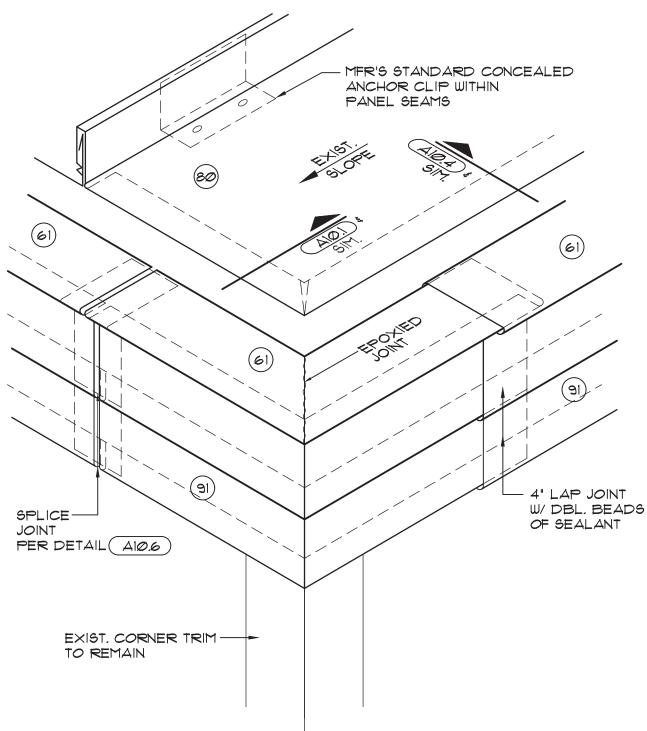


TO REMAIN

1. ALL EXPOSED METALSHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O) - SEAL ALL JOINTS WITH SEALANT PER SPECIFICATION

2. GUTTER NOT SHOWN FOR CLARITY - SEE DETAIL (A19.2

TYPICAL EDGE METAL INSIDE CORNER FABRICATION DETAIL

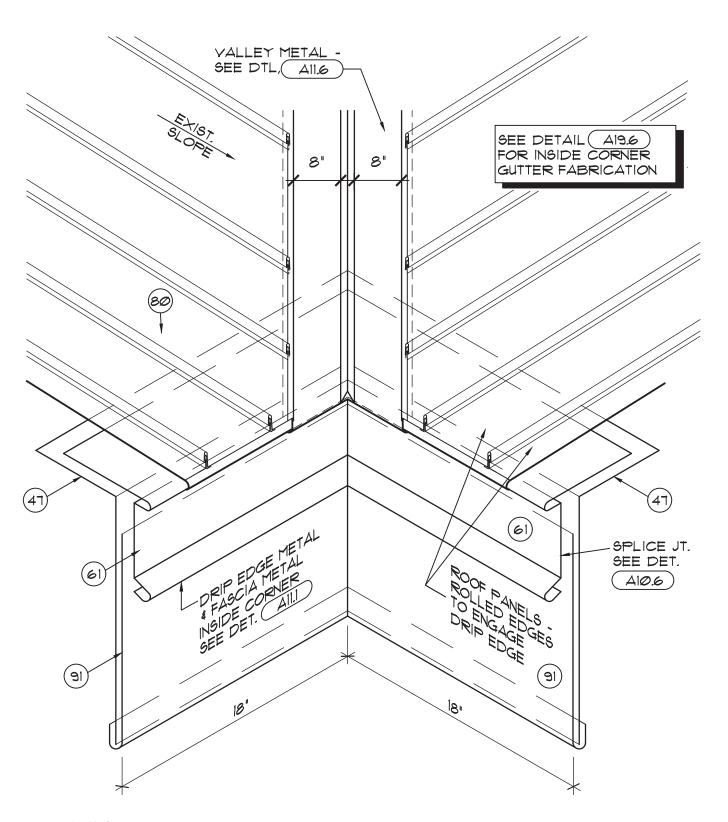


1. ALL EXPOSED METAL SHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.)- SEAL ALL JOINTS W/ SEALANT PER SPEC. SECTION Ø1900

2. ADHERE W/ ADHESIVE) ALL LAPS & CORNER INSERTS TO FORM ONE CONT PIECE DIMENSIONS NOT GIVEN TO BE FIELD VERIFIED

3. GUTTER NOT SHOWN FOR CLARITY, SEE DETAIL A20,6 FOR CORNER

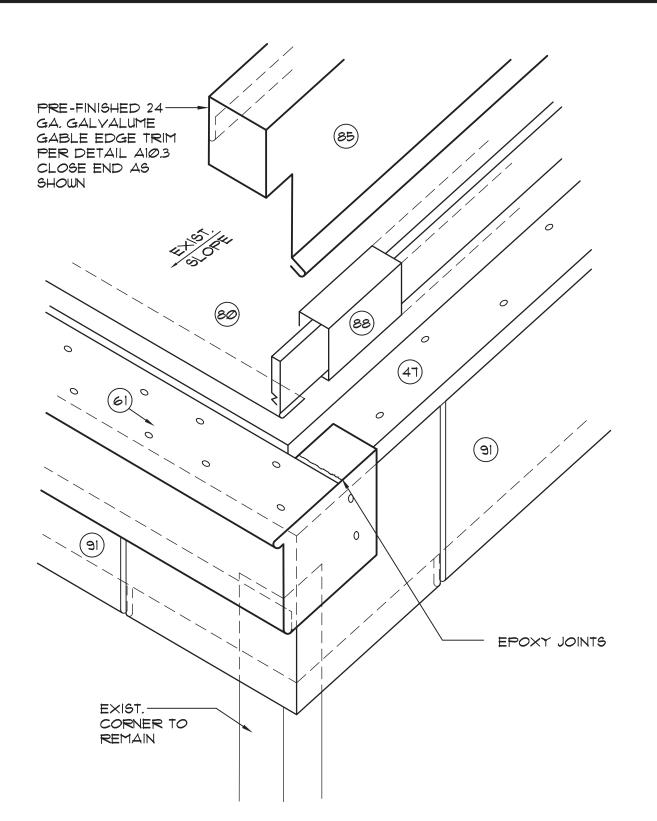
TYPICAL EDGE METAL OUTSIDE CORNER FABRICATION DETAIL



1. ALL EXPOSED METALSHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O) - SEAL ALL JOINTS WITH SEALANT PER SPECIFICATION

2. GUTTER NOT SHOWN FOR CLARITY - SEE DETAIL (A19.3)

EDGE METAL - INSIDE A11.5 CORNER AT BASE OF VALLEY DETAIL SCALE: NONE

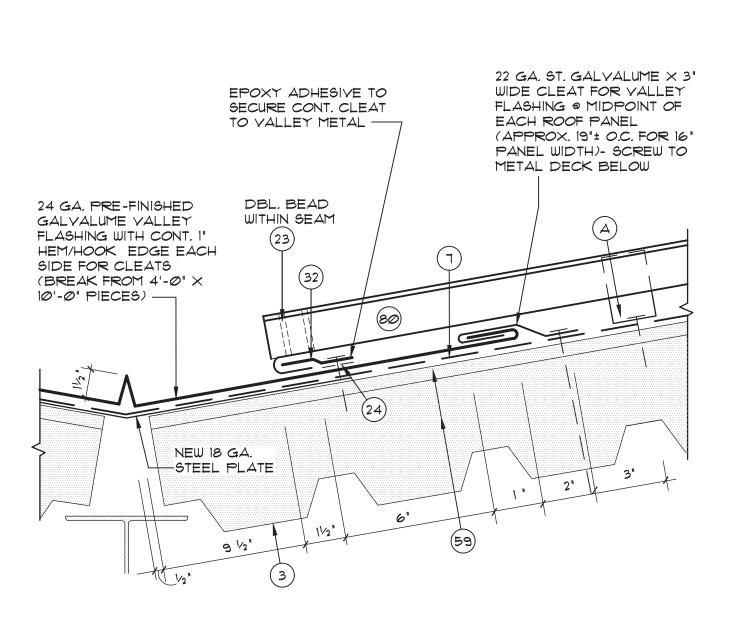


. ALL EXPOSED METAL SHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.)- SEAL ALL JOINTS W/ SEALANT PER SPEC. SECTION Ø7900

2. (SOLDER ST. STL. / ADHERE W/ ADHESIVE) ALL LAPS & CORNER INSERTS TO FORM ONE CONT. PIECE DIMENSIONS NOT GIVEN TO BE FIELD VERIFIED

3. GUTTER NOT SHOWN FOR CLARITY, SEE DETAIL A20.6 FOR CORNER

EDGE CORNER ASSEMBLY AND FABRICATION AT GABLE CORNER



TYPICAL VALLEY FLASHING AND ROOF PANEL ANCHORAGE DETAIL

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND

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- 10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.
- 16. BATT INSULATION, NEW TO BE 6" R-19 UNLESS NOTED OTHERWISE
- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED

21. SURFACE APPLIED TERMINATION BAR - SEE DETAIL NOTED

- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 GA. PRE-FINISHED GALYALUME STEEL "Z-CLOSURE" NOTCHED AT PANELS SEAMS
- 31. CONT. 22 G.A. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2.
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- CONTINUOUS 18 GA. GALY. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A142.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN 'STRIP-IN' FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- 61. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL EDGE - SEE DETAIL AIØ.5
- 64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING
- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER 'Z-CLOSURE' AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
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- 12. 26 GA GALYALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL A14.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALVALUME STEEL ROOF PANEL SYSTEM
- CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END CLOSURE PIECE / EDGE METAL -SEE DETAILS AIQ.3 & AII.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE
- 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP
- 88. CONTINUOUS 22 G.A. GALYALUME STEEL RAKE / GABLE CLIP 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND,
- INSTALL PER MANUFACTURER'S DIRECTIONS 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL
- 98. 3" LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT
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- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)

WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)

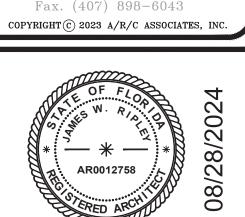
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE
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- REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI. ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER
- SCHEDULE ON DRAWING G02. G. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS, PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
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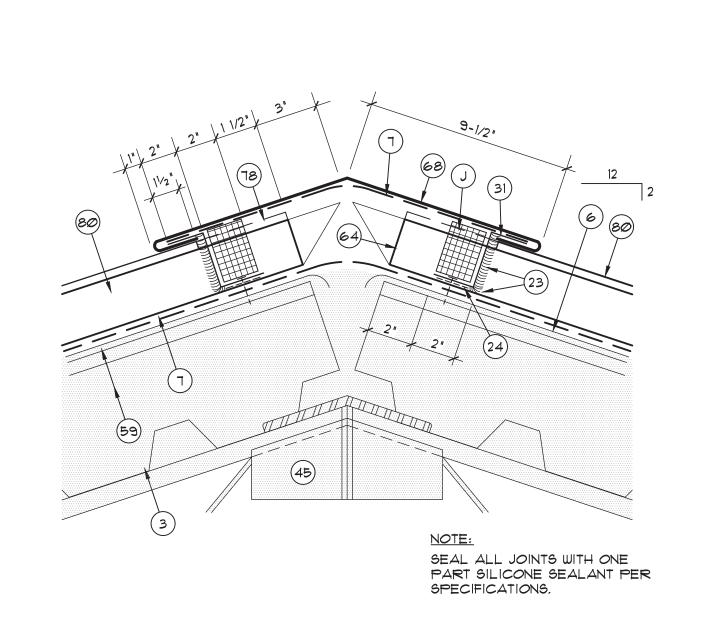
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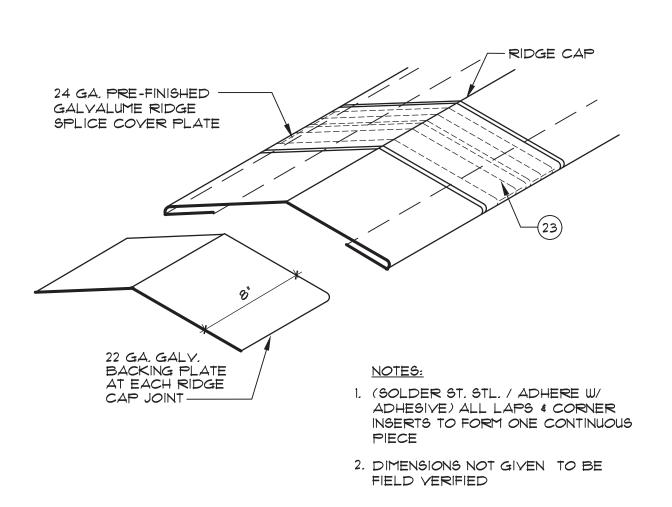
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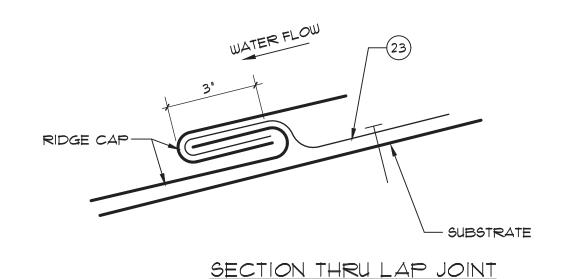
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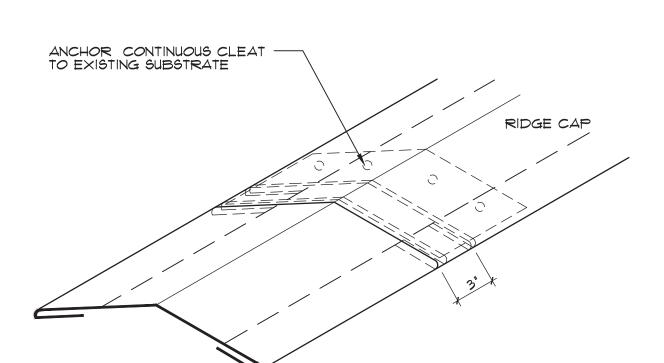
EDGE METAL FABRICATIONS AND VALLEY DETAILS



24 GA. PRE-FINISHED GALYALUME RIDGE SPLICE COVER PLATE RIDGE -000000 SECTION THRU SPLICE JOINT 22 GA. GALV. — BACKING PLATE







1. (SOLDER ST. STL. / ADHERE W/ ADHESIVE) ALL LAPS & CORNER INSERTS TO FORM ONE CONTINUOUS

80

TYPICAL SPLICE

JOINT COVER WITH

SEALANT AT RIDGE

- SEE DETAIL A12.2

2. DIMENSIONS NOT GIVEN TO BE FIELD VERIFIED

NOTES:

TYPICAL LAP JOINT WITH CLEAT

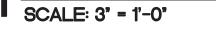
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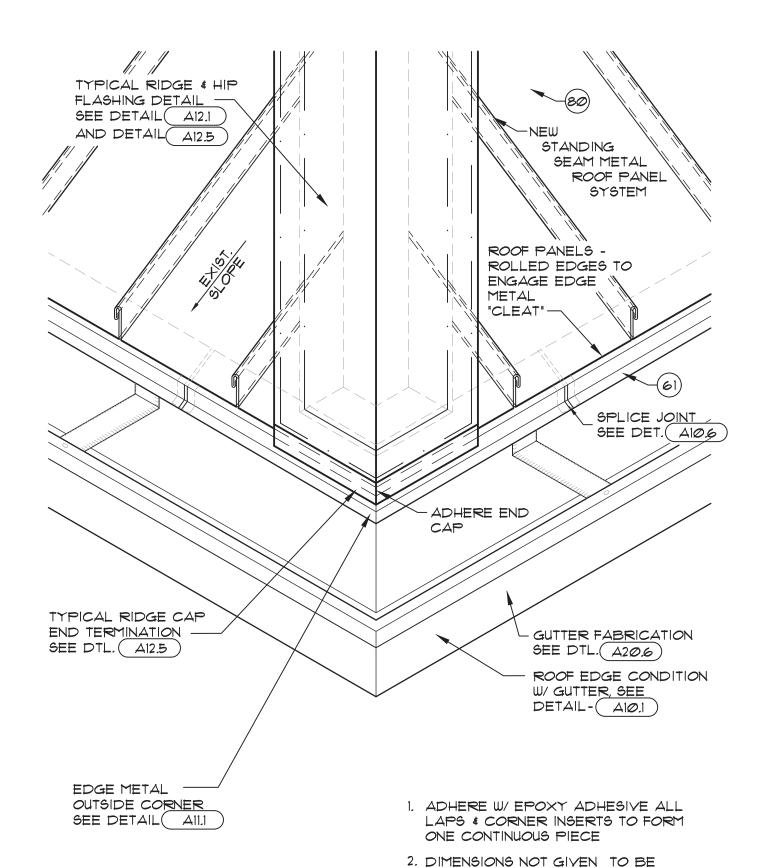
F.V.

SLOPE

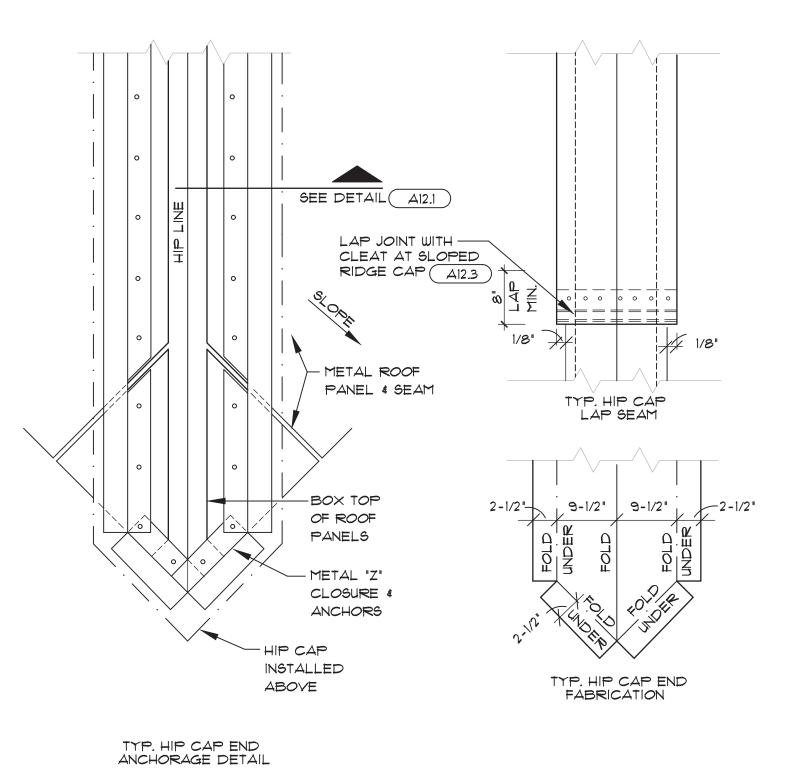
DETAIL AT HIP AND SLOPED FLASHING

TYPICAL NON-VENTING RIDGE A12.1 AND HIP CAP FLASHING DETAIL SCALE: 3' = 1'-0'





TYPICAL SPLICE JOINT A12.2 DETAIL AT LEVEL RIDGE CAP



1. EPOXY ALL LAPS & CORNER INSERTS TO FORM ONE CONT. PIECE, DIMENSIONS SLOPE NOT GIVEN TO BE FIELD VERIFIED. EPOXIED JOINTS TYPICAL - AT END FABRICATION. - RIDGE END CAP TO BE 24 GA. GALVALUME 3" HIP CAP LAP ---POXIED FABRICATION. JOINT W/ CLEAT-SEE FINISH TO MATCH ROOF DET. (A12.3) PANELS 80

68

A12.1

EDGE METAL AT HIP COVER ASSEMBLY AT OUTSIDE CORNER DETAIL

FIELD YERIFIED

HIP CAP FABRICATION AT ROOF EDGE A12.5 AND INSTALLATION / ANCHORAGE DETAIL SCALE: NONE

TYPICAL RIDGE CAP TERMINATION FABRICATION DETAIL AT HIP CAPS

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- 3. EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND

REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.

- 10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.
- 16. BATT INSULATION, NEW TO BE 6" R-19 UNLESS NOTED OTHERWISE
- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED

21. SURFACE APPLIED TERMINATION BAR - SEE DETAIL NOTED

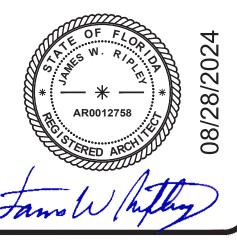
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 GA. PRE-FINISHED GALYALUME STEEL "Z-CLOSURE" NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2.
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- 41. CONTINUOUS 18 GA. GALY. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 G.A. PRE-FINISHED GALYALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A142.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN "STRIP-IN" FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
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- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALYALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END
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- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- RAWL *2864 ZAMAC "NAIL-IN" FASTENERS @ 8" O.C. (MAX.) WITH ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI.
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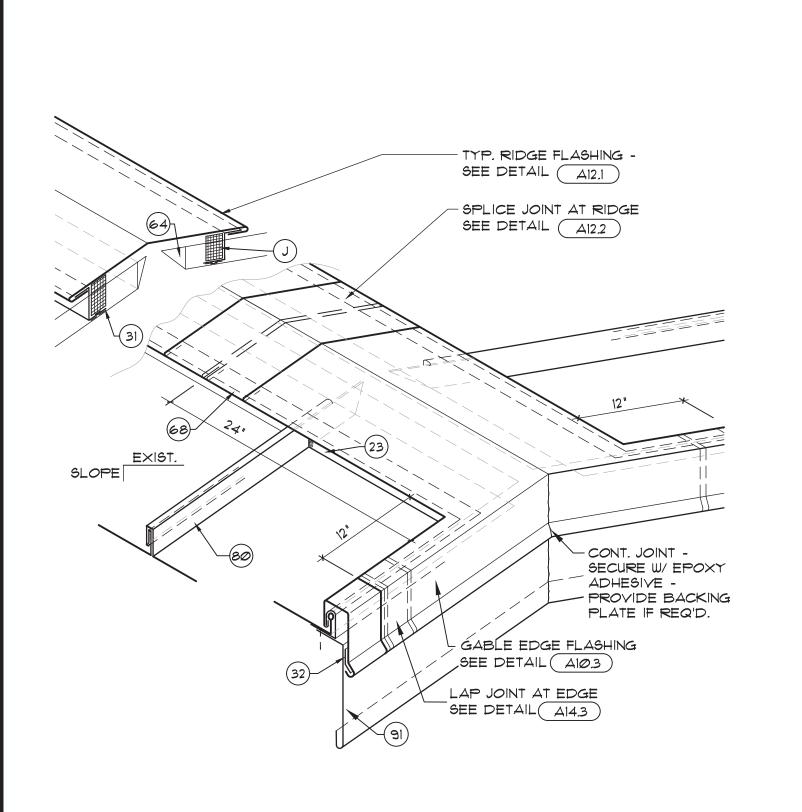
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RIDGE AND HIP FLASHING AND FABRICATION DETAILS



RIDGE CAP TERMINATION

EXIST. STEP-FLASHING SKIRT

-RIDGE CAP

AT WALL -

JOINTS

TURN ROOF

TRANSITION

FLASHING -

EQUAL TO

SEAM HGT.

PANEL UP AT

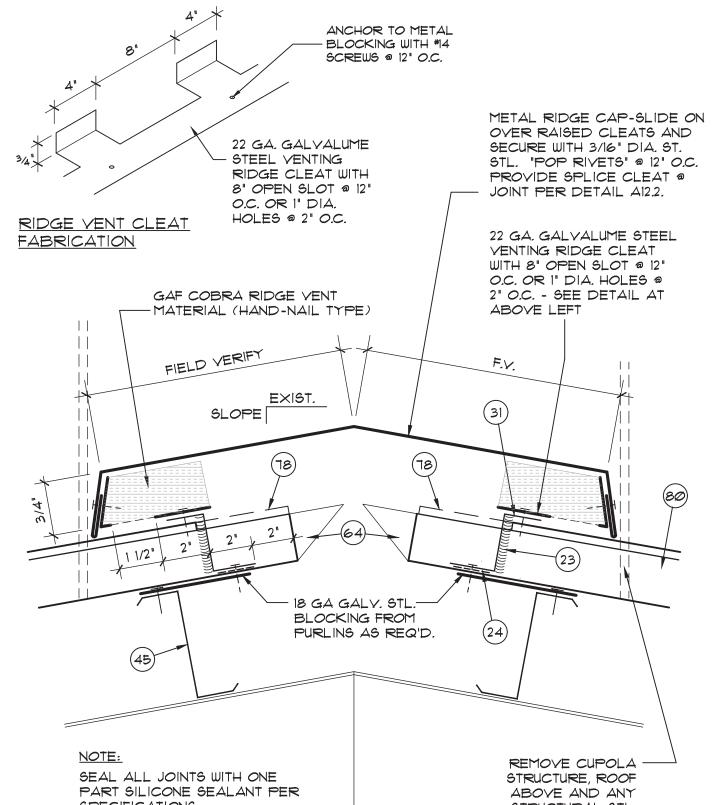
EPOXY ALL

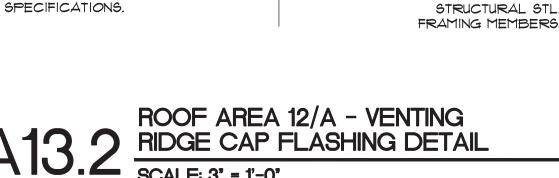
FABRICATION

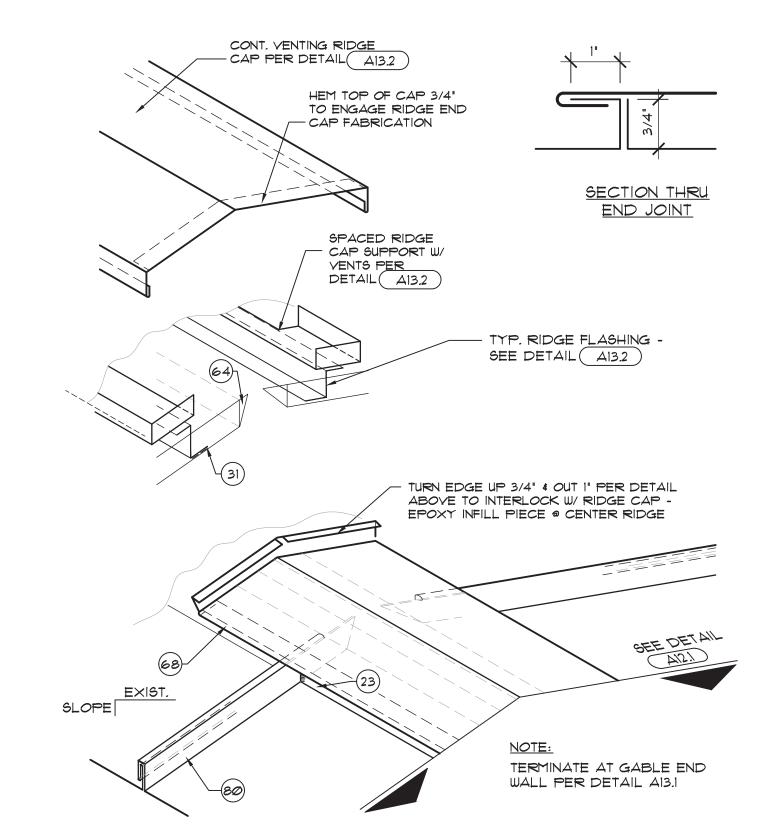
METAL TO REMAIN -HEM -

EDGE AND ENGAGE TO

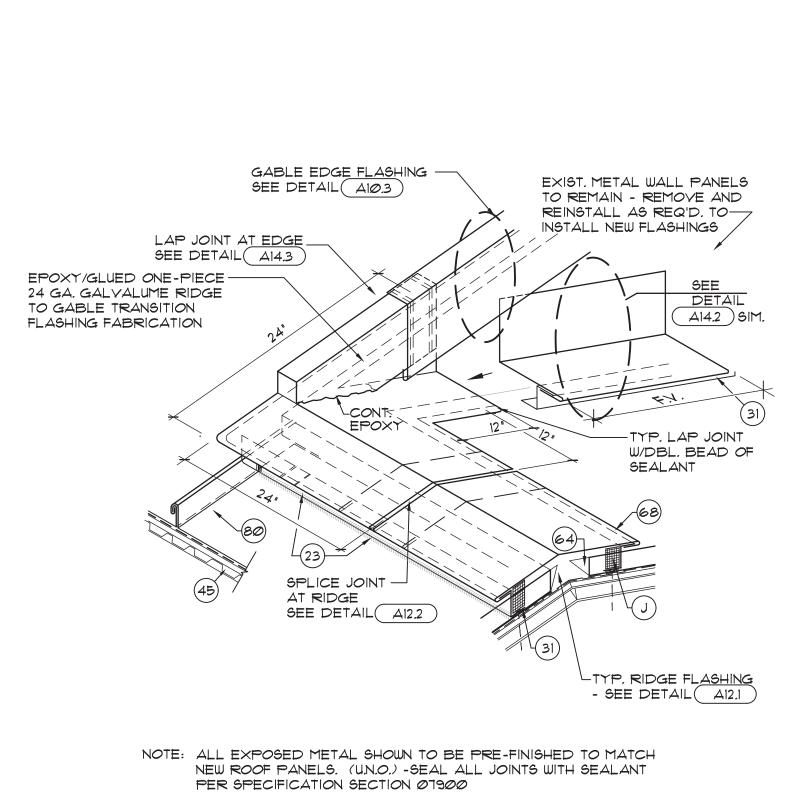
RETAINER CLEATS



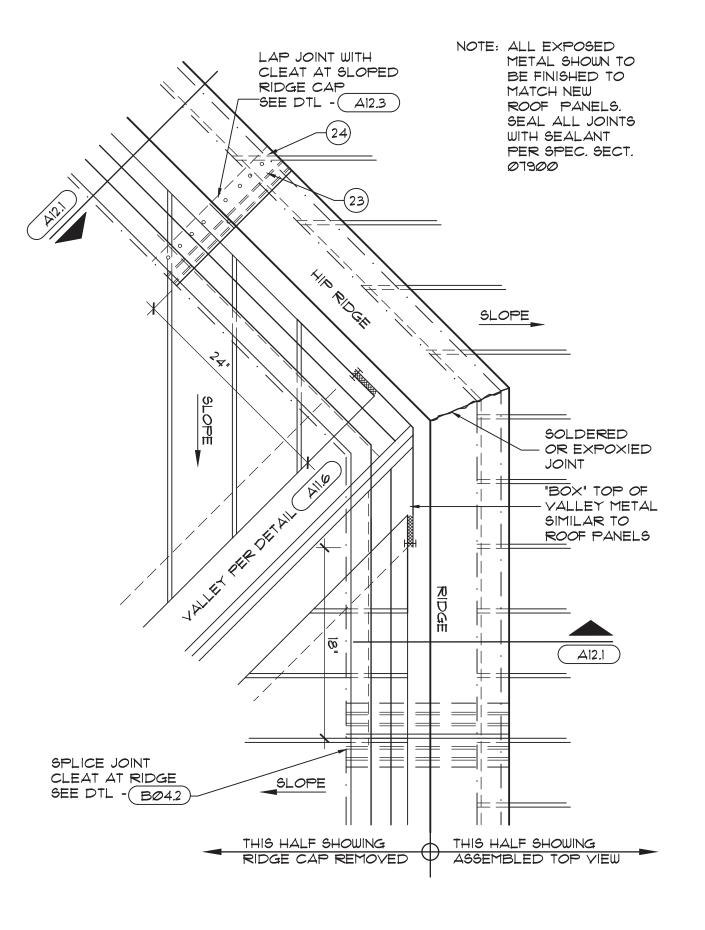




ROOF AREA 12/A - RIDGE CAP TRANSITION TO VENTING RIDGE DETAIL



RIDGE CAP TRANSITION AT GABLE AND HEADWALL FLASHING DETAIL



VALLEY AND HIP CAP TRANSITION FLASHING DETAIL AT CHANGE IN SLOPES

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.
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- 16. BATT INSULATION, NEW TO BE 6" R-19 UNLESS NOTED OTHERWISE
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- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 21. SURFACE APPLIED TERMINATION BAR SEE DETAIL NOTED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 G.A. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE" NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL 'Z-CLOSURE'
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- 47. CONTINUOUS 18 G.A. GALV. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A14.2.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN 'STRIP-IN' FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- 61. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL
- EDGE SEE DETAIL AIØ.5
- 64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING
- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
- 69. 24 GA. PRE-FINISHED GALVALUME ROOF CURB FABRICATION
- 72. 26 GA GALYALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL A14.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALVALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END CLOSURE PIECE / EDGE METAL -SEE DETAILS AID.3 & AII.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE
- 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP
- 88. CONTINUOUS 22 GA. GALVALUME STEEL RAKE / GABLE CLIP
- 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND, INSTALL PER MANUFACTURER'S DIRECTIONS
- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL
- 98. 3" LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT
- MFR'S PROVIDED ANCHOR CLIP SCREW TO METAL DECK BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- RAWL *2864 ZAMAC 'NAIL-IN' FASTENERS @ 8' O.C. (MAX.) WITH ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH

REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI.

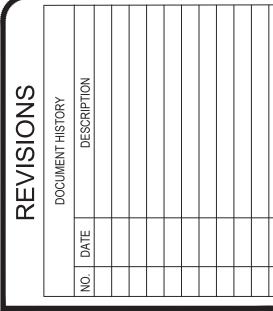
- ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER SCHEDULE ON DRAWING GO2.
- G. 1/4" DIA. × 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS,
- PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
- CLOSED CELL FOAM RUBBER CLOSURE CUT AS REQ'D FOR FRICTION FIT WITHIN EACH PANEL AND SEAL WITH ONE PART URETHANE SEALANT

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ARCH/ENGR OF RECOR Architect JAMES W. RIPLEY NVJ ISSUE DATE AE PROJECT NUMBER 08/28/2024 22045.00

RIDGE CAP FLASHING AND FABRICATION DETAILS

TYPICAL RIDGE CAP TERMINATION DETAIL AT TRANSITION WALL

SIDE/WALL OF

4" LAP W/ DBL.

4" WIDE - 26

GALVALUME

RETAINER

CLEATS @ 12" O.C.

DETAIL (AI5.3

88 ANCHOR CLEAT

BEAD OF SEALANT

(52)

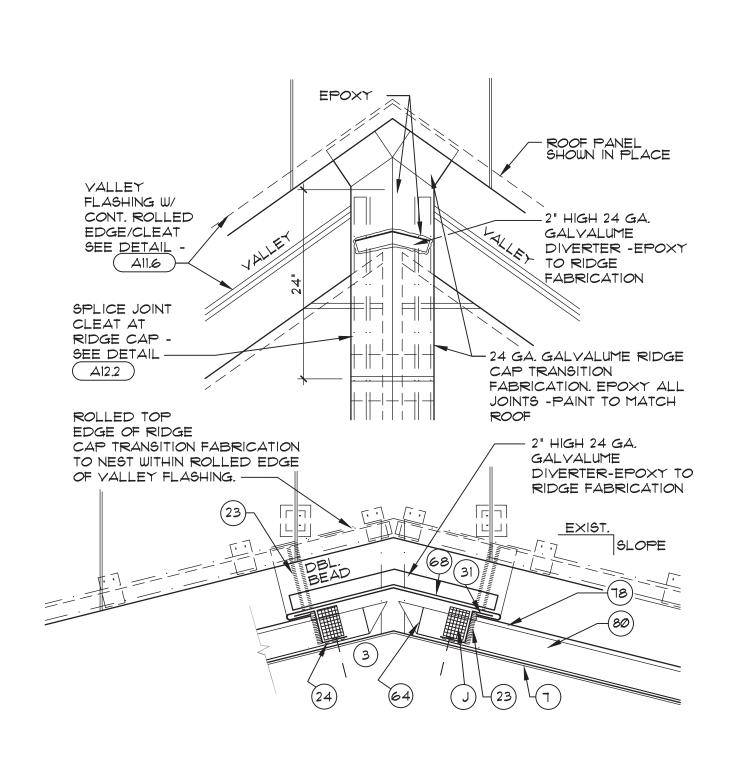
EXIST

TYP SPLICE JOINT

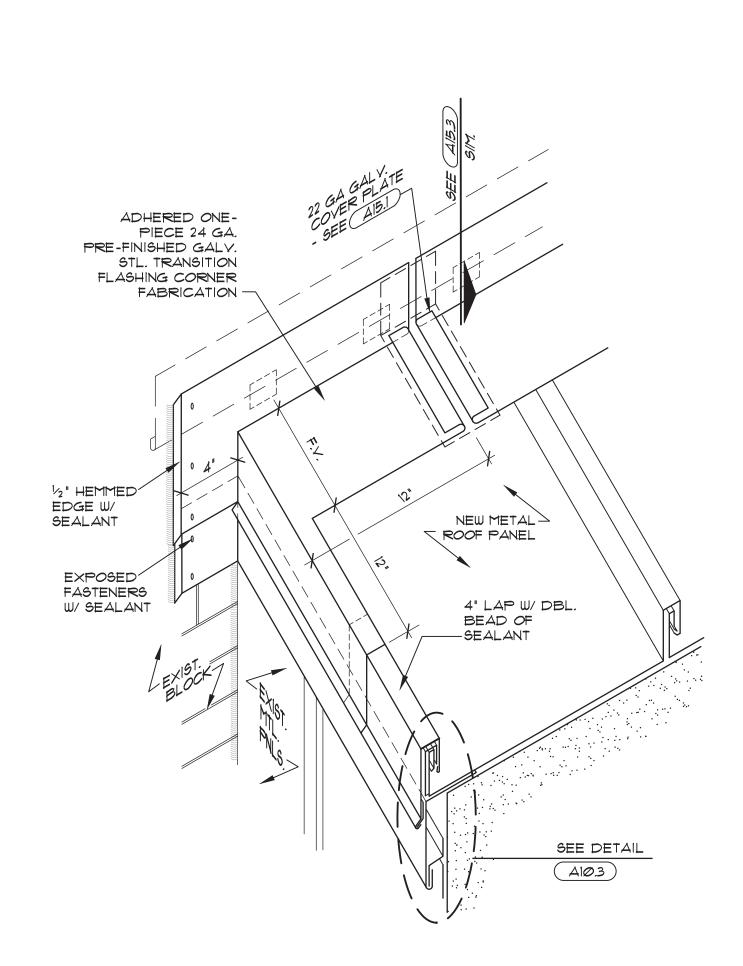
COVER AT RIDGE

SEE DET. (A12.2

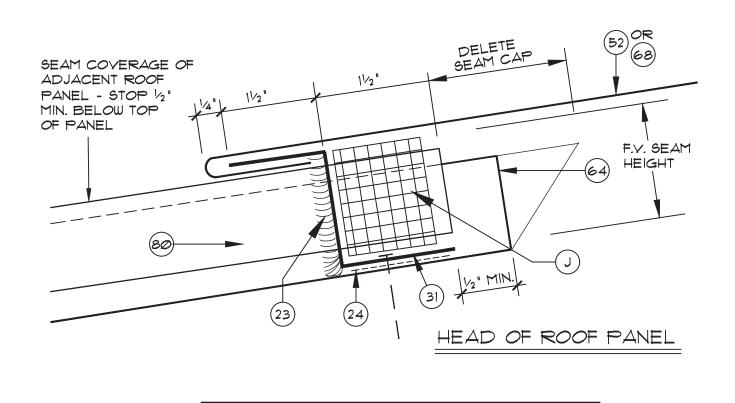
SEE DETAIL

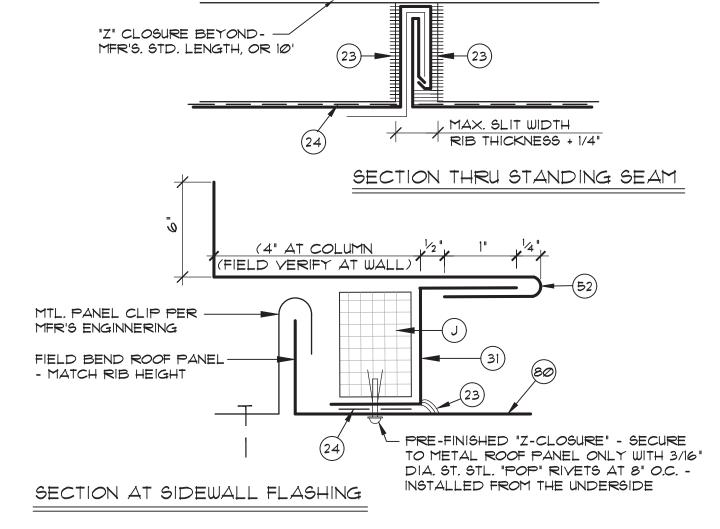


RIDGE / VALLEY FLASHING TERMINATION DETAIL AT APOSING ROOF SLOPE SCALE: NONE



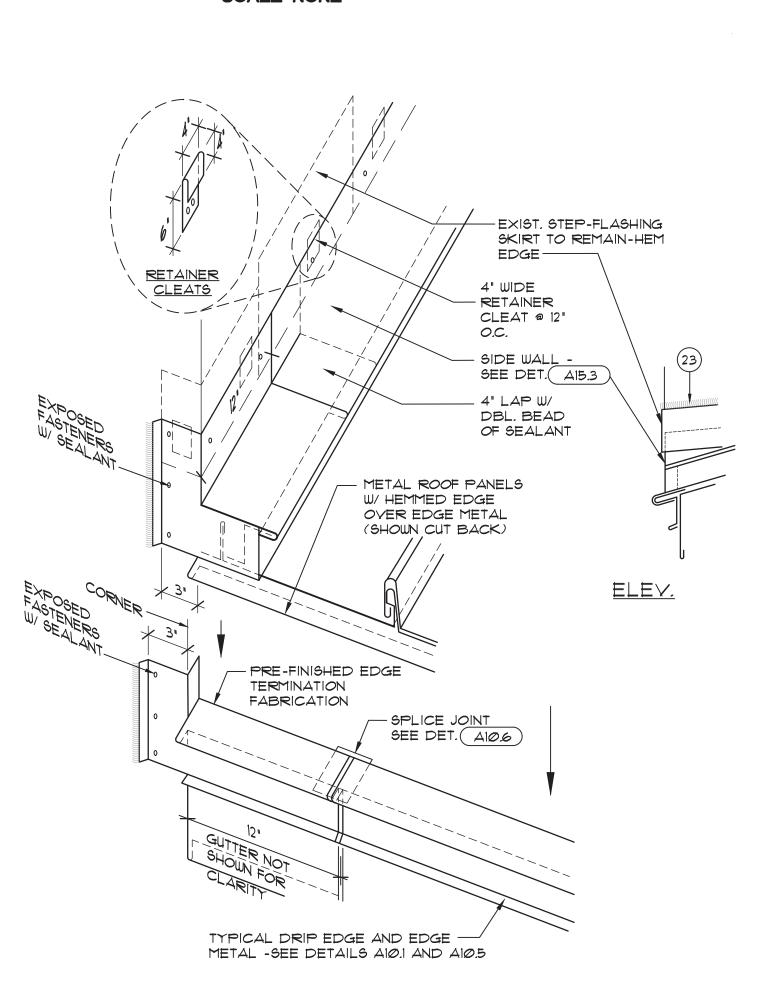
TYPICAL HEAD WALL FABRICATION AND TERMINATION FLASHING DETAIL



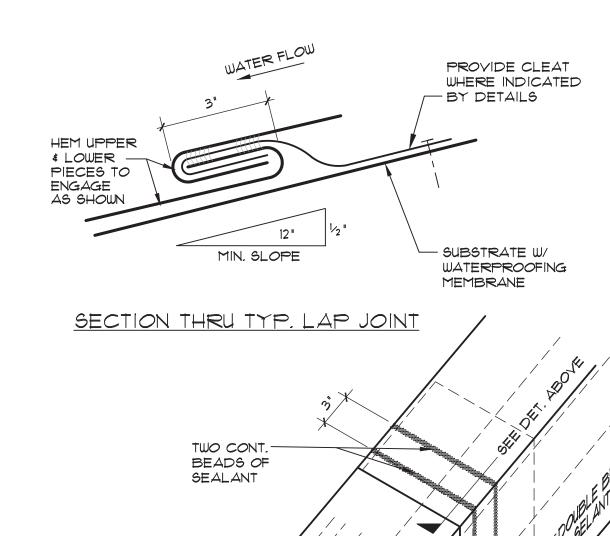


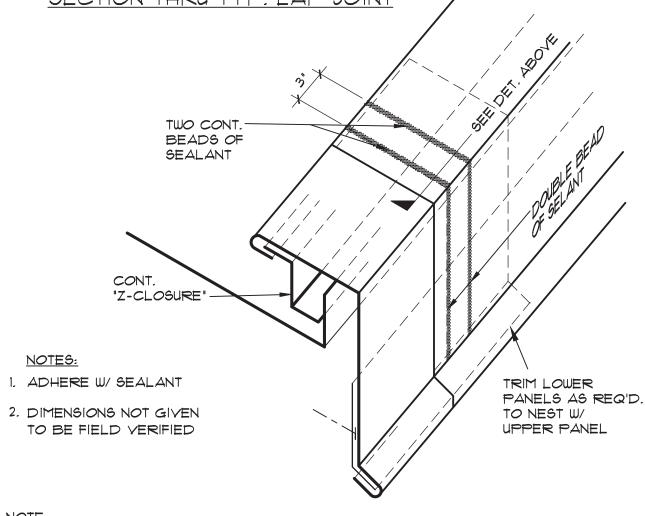
A14.2 TYPICAL METAL ROOF PANEL TOP AND SIDE CLOSURE DETAILS

SCALE: NONE



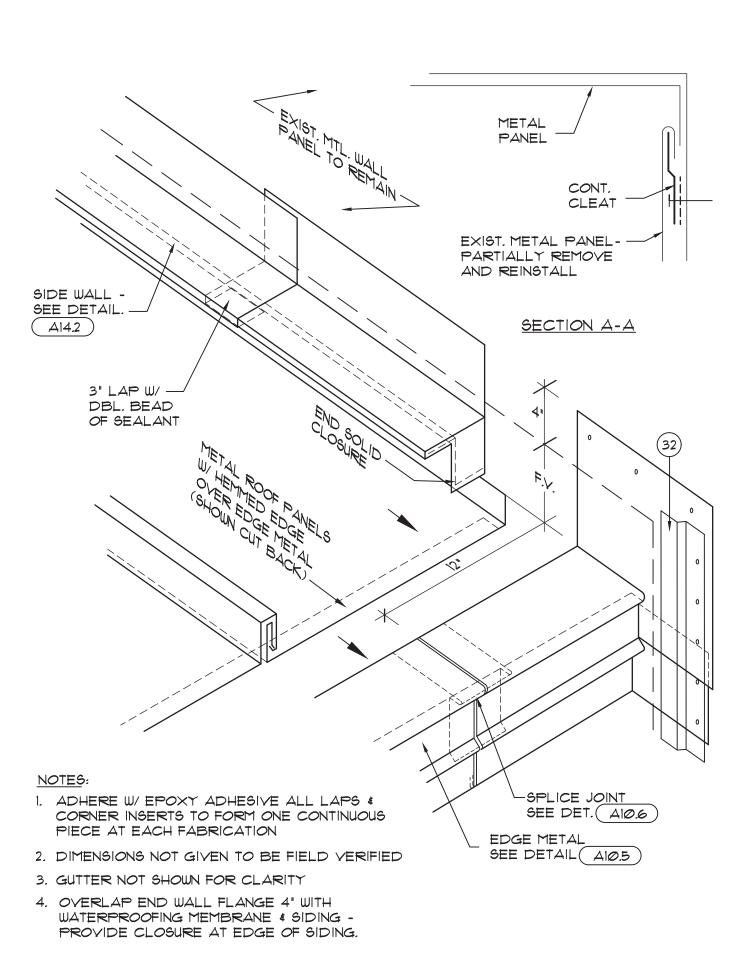
A14.5 TYPICAL EDGE TERMINATION AND RAKE WALL FLASHING DETAIL SCALE: NONE





ALL EXPOSED METAL SHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.) -SEAL ALL JOINTS WITH SEALANT PER SPECIFICATION SECTION Ø1900

A14.3 TYPICAL LAP JOINT DETAIL AT SLOPED RAKE EDGE FLASHING SCALE: NONE



A14.6 TYPICAL EDGE TERINATION AT GABLE WALL FLASHING DETAIL

DETAIL NOTES

- 1. EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- 3. EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- 7. NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- B. EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND
- REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.

 10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.
- 16. BATT INSULATION, NEW TO BE 6' R-19 UNLESS NOTED OTHERWISE
- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED
- 21. SURFACE APPLIED TERMINATION BAR SEE DETAIL NOTED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALVANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE" -NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
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- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2.
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- AC EXICENC METAL WALL DANIEL TO DEMAIN TOIM A
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- 47. CONTINUOUS 18 GA. GALY. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING G02.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL
 TRANSITION FLASHING WITH HEMMED EDGE "HOOK" TO CLEAT /
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- 58. MODIFIED BITUMEN "STRIP-IN" FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
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- 61. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL
- EDGE SEE DETAIL AIØ5

64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING

- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
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- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
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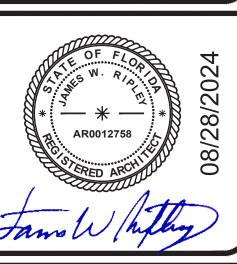
 F. ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER
- SCHEDULE ON DRAWING G02.

 G. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS, PROVIDE TWO (MIN.) PER BRACKET.
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1001 PARNELL COURT DELTONA, FL 32738

ARCH/ENGR OF RECORD

Architect
JAMES W. RIPLEY

DESIGNED BY
JWR

NVJ

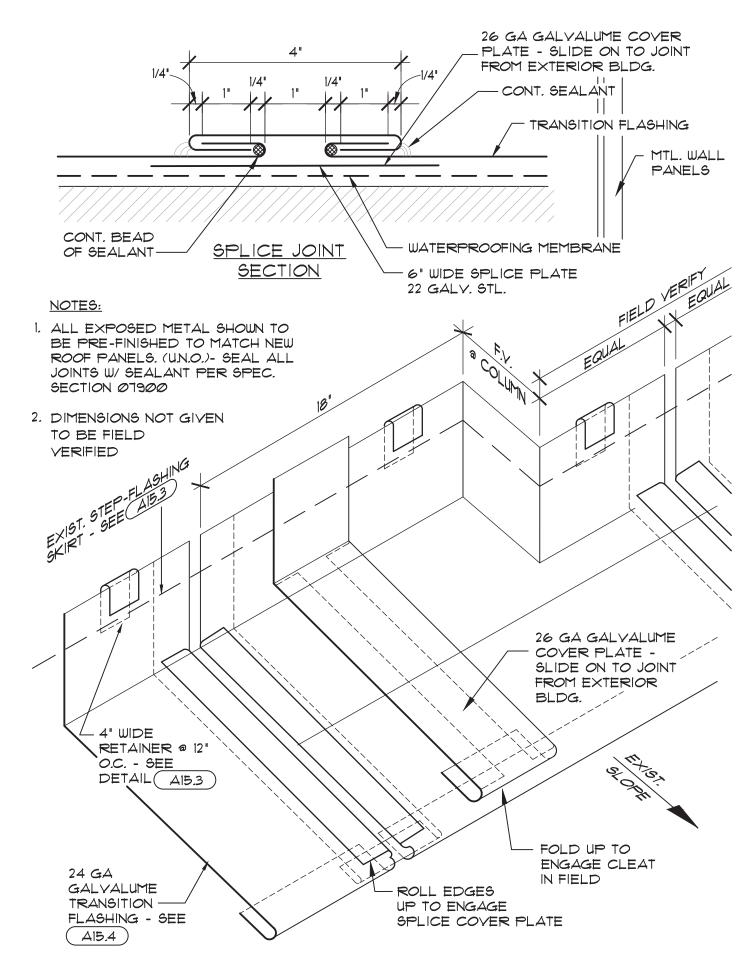
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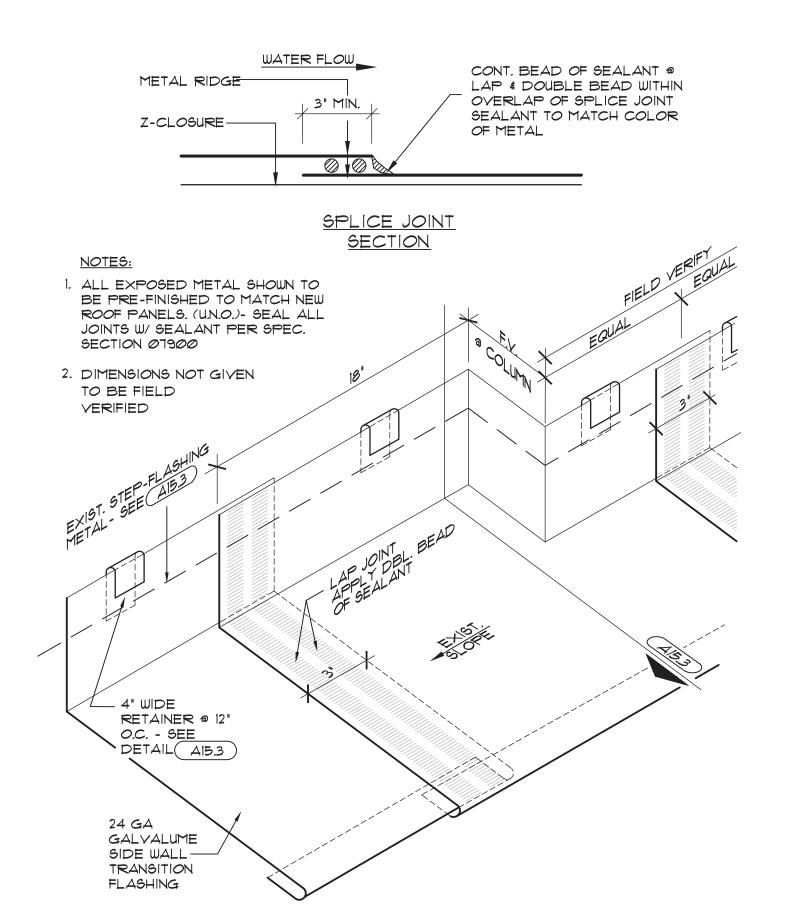
EDGE, RAKE AND HEADWALL
TRANSITION FABRICATIONS

DRAWING NO.

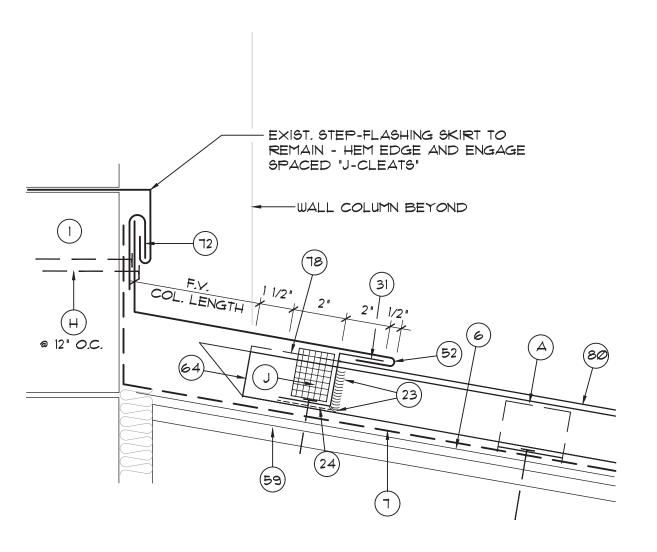
A14



HEADWALL / TRANSITION FLASHING A15.1 AT COLUMN DETAIL WITH SPLICE JOINT SCALE: NONE

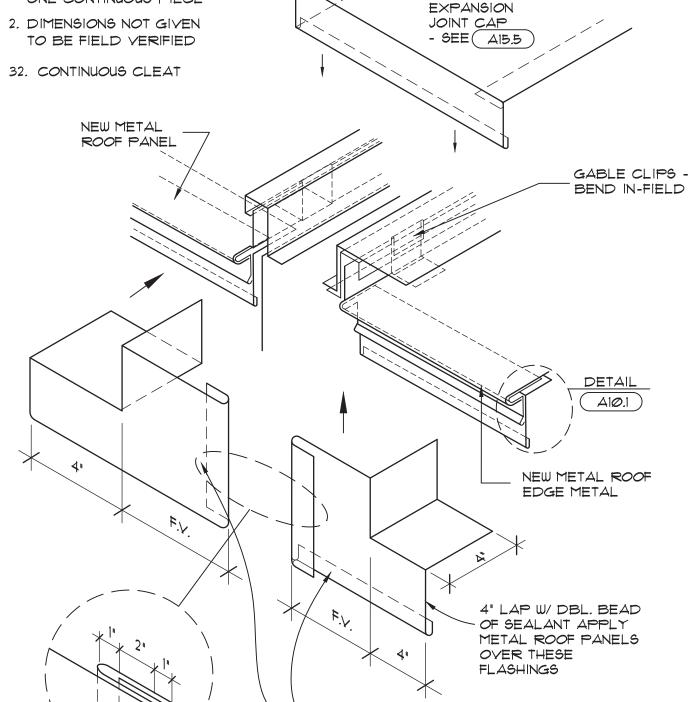


A15.2 HEADWALL / TRANSITION WALL FLASHING DETAIL AT SLOPED GABLE SCALE: NONE



ALL EXPOSED METAL SHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.) SEAL ALL JOINTS WITH SEALANT PER SPECIFICATIONS. Ø1900

TYPICAL EXPANSION JOINT IN METAL ROOF PANEL SYSTEM



TYPICAL MID-ROOF EXPANSION JOINT AT EDGE OF ROOF DETAIL

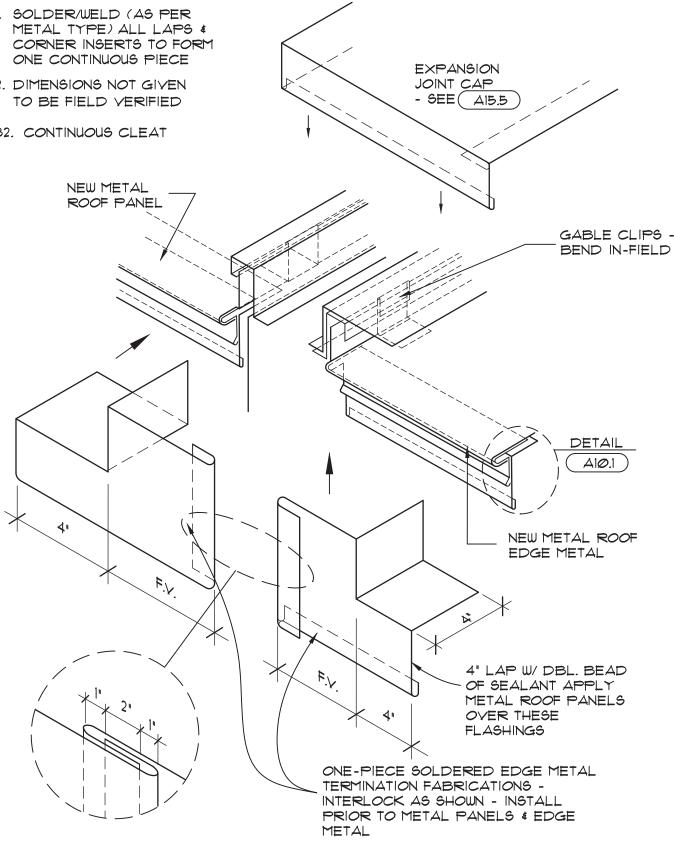
EXIST. STEP-FLASHING SKIRT TO REMAIN - HEM EDGE AND ENGAGE TO - NEW CLEATS COLUMN BEYOND BEND

TYPICAL SIDE WALL AND TRANSITION FLASHING DETAIL

NOTES:

SEAM

HGT.



DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
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- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
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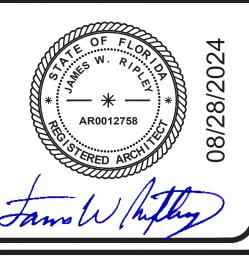
- BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
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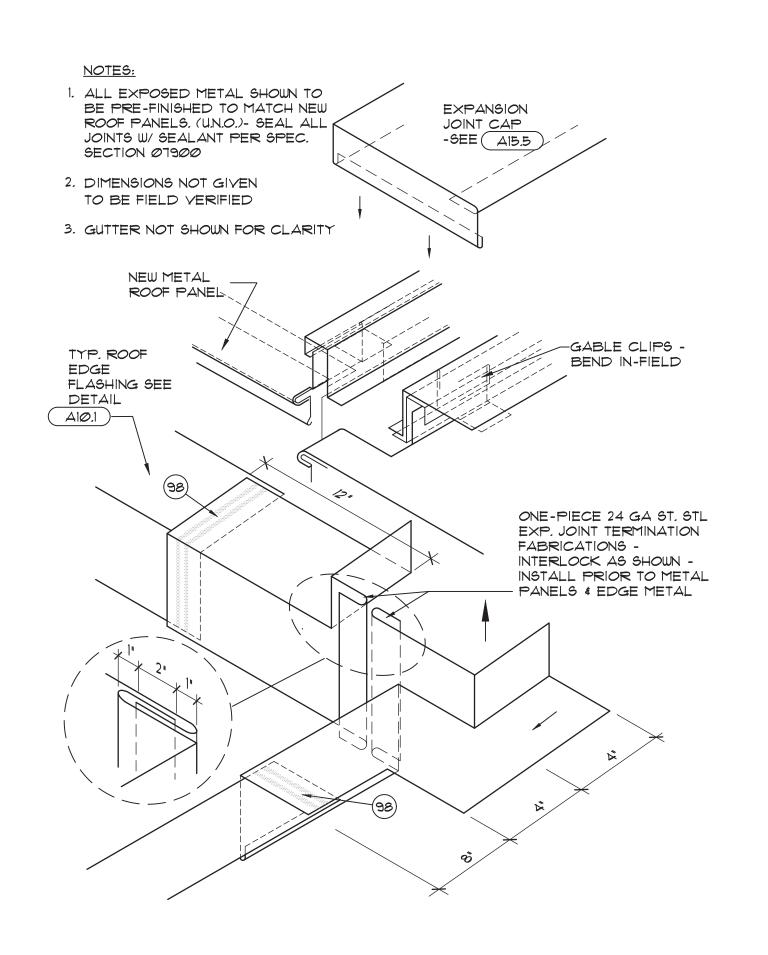
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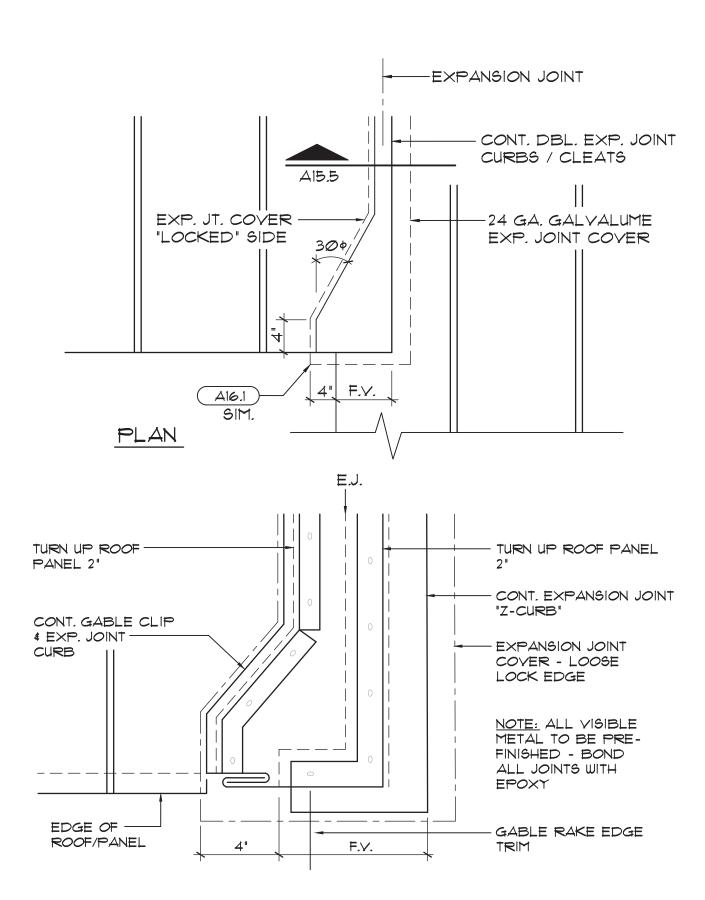
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> TRANSITION FLASHING AND **EXPANSION JOINT DETAILS**

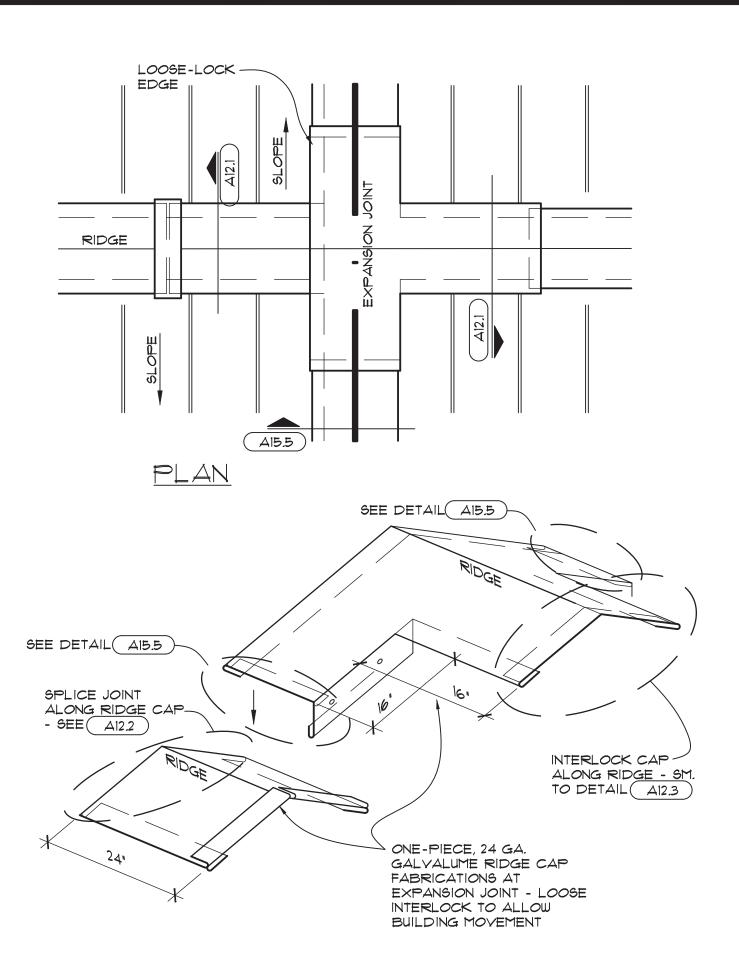
LOW ROOF TO CMU WALL TRANSITION FLASHING DETAIL



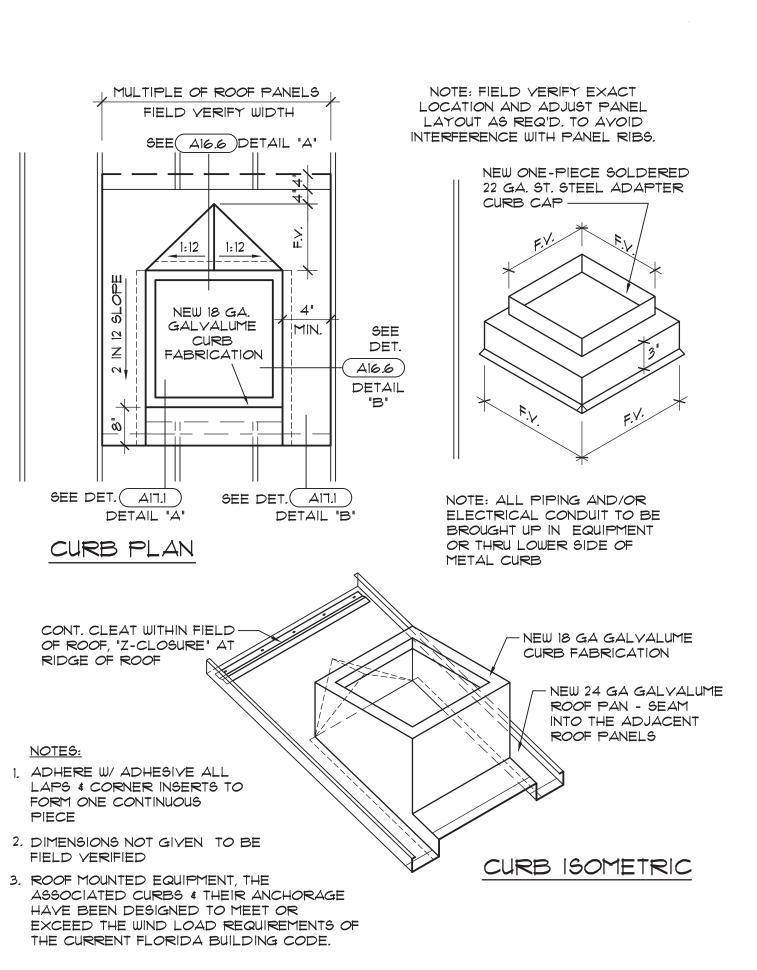
EXPANSION JOINT TERMINATION A16.1 DETAIL AT ROOF EDGE INSIDE CORNER SCALE: NONE



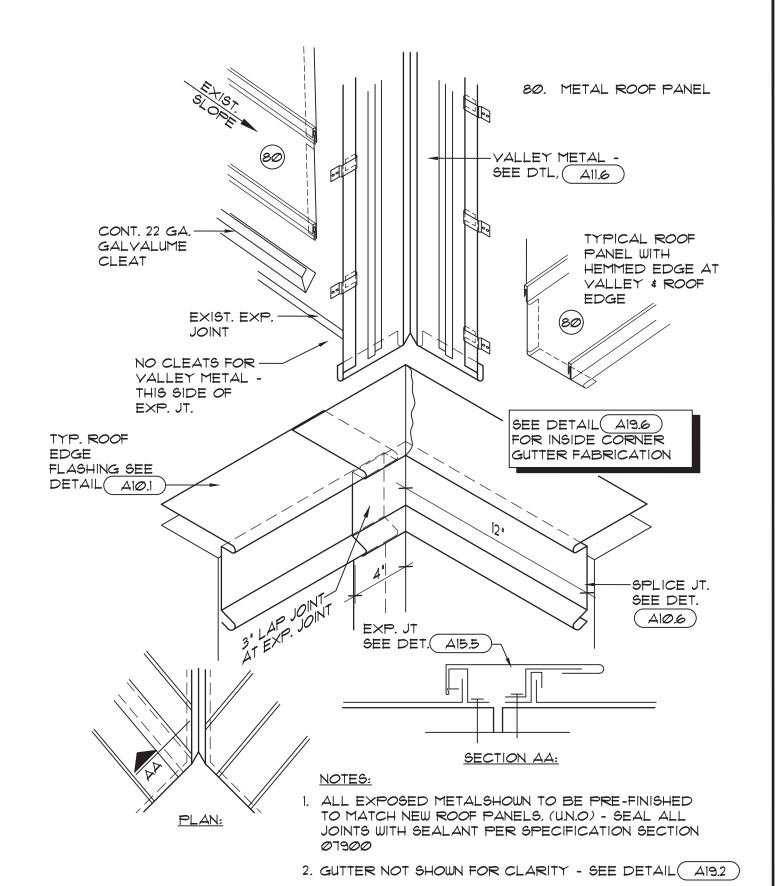
EXPANSION JOINT - OFFSET FROM INSIDE CORNER OF ROOF DETAIL



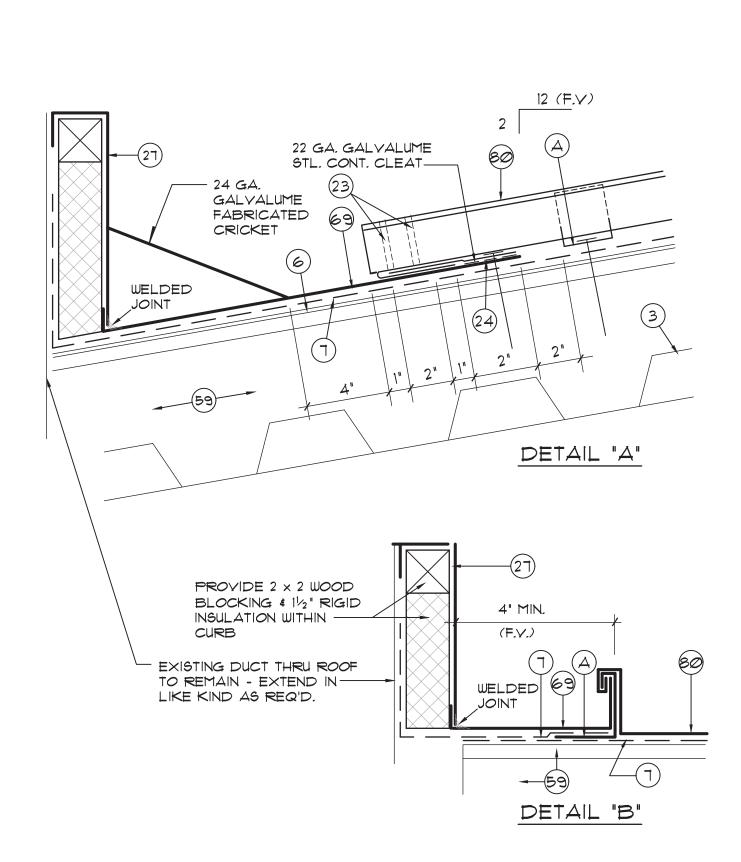
EXPANSION JOINT A16.2 TRANSITION DETAIL AT ROOF RIDGE SCALE: NONE



TYPICAL PRE-FABRICATED CURB ASSEMBLY PLAN AND ISOMETRIC VIEW



EXPANSION JOINT TERMINATION A16.3 DETAIL AT INSIDE CORNER OF VALLEY



A16.6 PRE-FABRICATED CURB FLASHING DETAILS AT SIDES AND TOP SCALF: NONE

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
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- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED
- SURFACE APPLIED TERMINATION BAR SEE DETAIL NOTED 22. COUNTER FLASHING - SURFACE APPLIED - SEE DETAIL NOTED
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 G.A. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE" NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- CONTINUOUS 18 GA. GALY. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A14.2.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN 'STRIP-IN' FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- 61. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL EDGE - SEE DETAIL AIØ.5
- 64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING
- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
- 69. 24 GA. PRE-FINISHED GALVALUME ROOF CURB FABRICATION
- 72. 26 GA GALYALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL A14.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALVALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END CLOSURE PIECE / EDGE METAL -SEE DETAILS AID.3 & AII.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE
- 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP
- 88. CONTINUOUS 22 GA. GALYALUME STEEL RAKE / GABLE CLIP
- 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND, INSTALL PER MANUFACTURER'S DIRECTIONS
- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL
- 98. 3' LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT

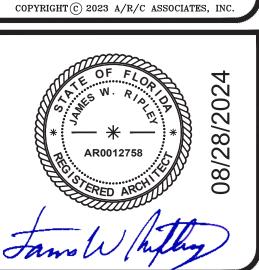
MFR'S PROVIDED ANCHOR CLIP - SCREW TO METAL DECK

- BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- RAWL *2864 ZAMAC "NAIL-IN" FASTENERS @ 8" O.C. (MAX.) WITH ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI.
- ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER SCHEDULE ON DRAWING GO2.
- G. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS, PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
- CLOSED CELL FOAM RUBBER CLOSURE CUT AS REQ'D FOR FRICTION FIT WITHIN EACH PANEL AND SEAL WITH ONE PART URETHANE SEALANT

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Fax. (407) 898-6043



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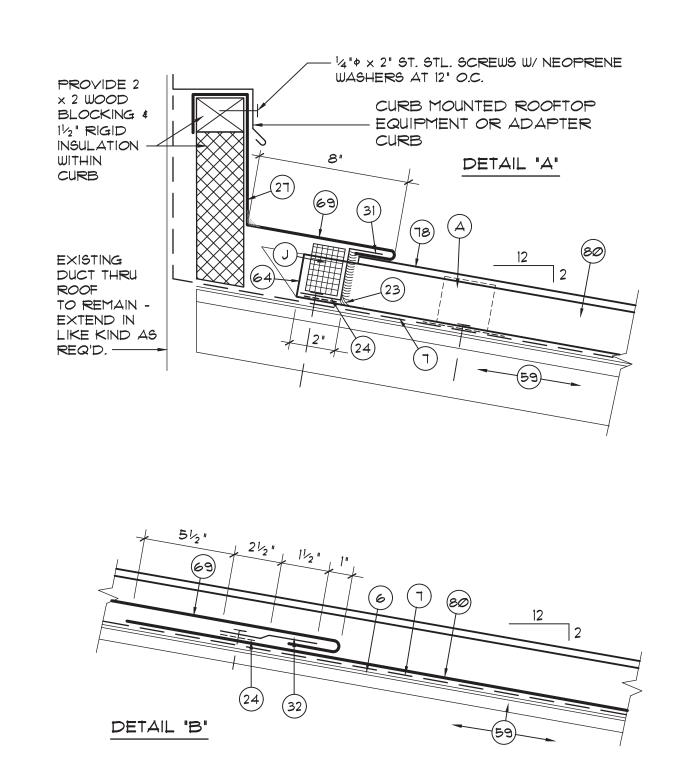
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ARCH/ENGR OF RECOR Architect JAMES W. RIPLEY ESIGNED BY JWR NVJ ISSUE DATE AE PROJECT NUMBER 08/28/2024 22045.00

EXPANSION JOINT AND ROOF CURB FABRICATION DETAILS



PRE-FABRICATED CURB

SEE DETAIL AIT.5)-

EXISTING 1/2"

GYP. BD. TO

REPAIR OR

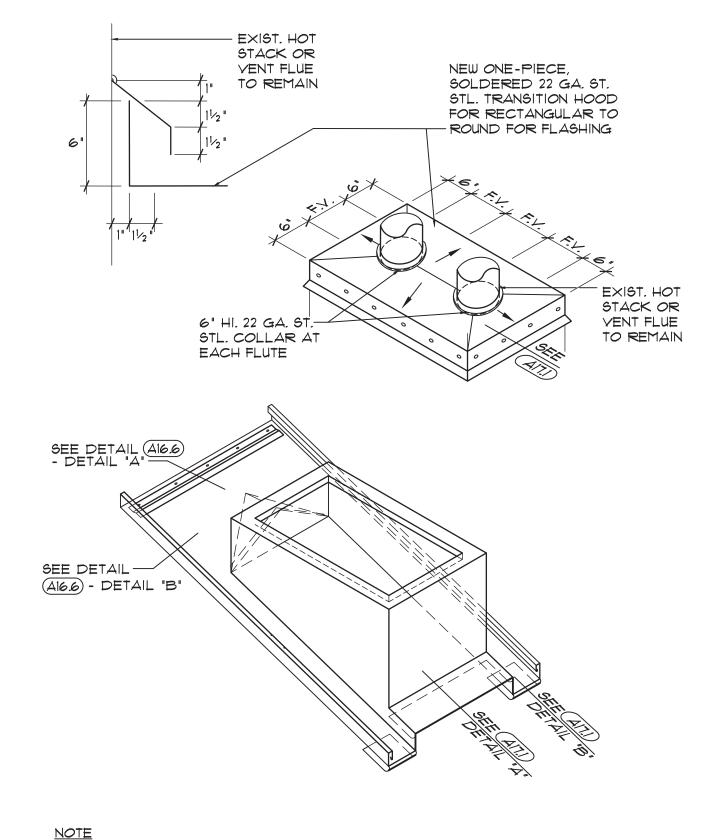
NEEDED

REPLACE AS

EPOXY ADHERE TO

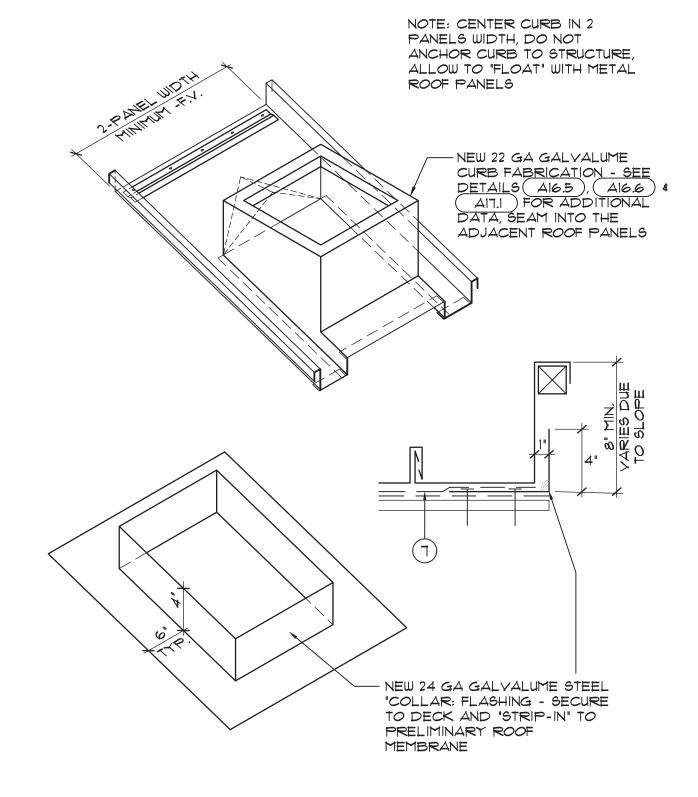
RIDGE CAP

A17.1 FLASHING DETAILS AT BOTTOM EDGE SCALE: NONE

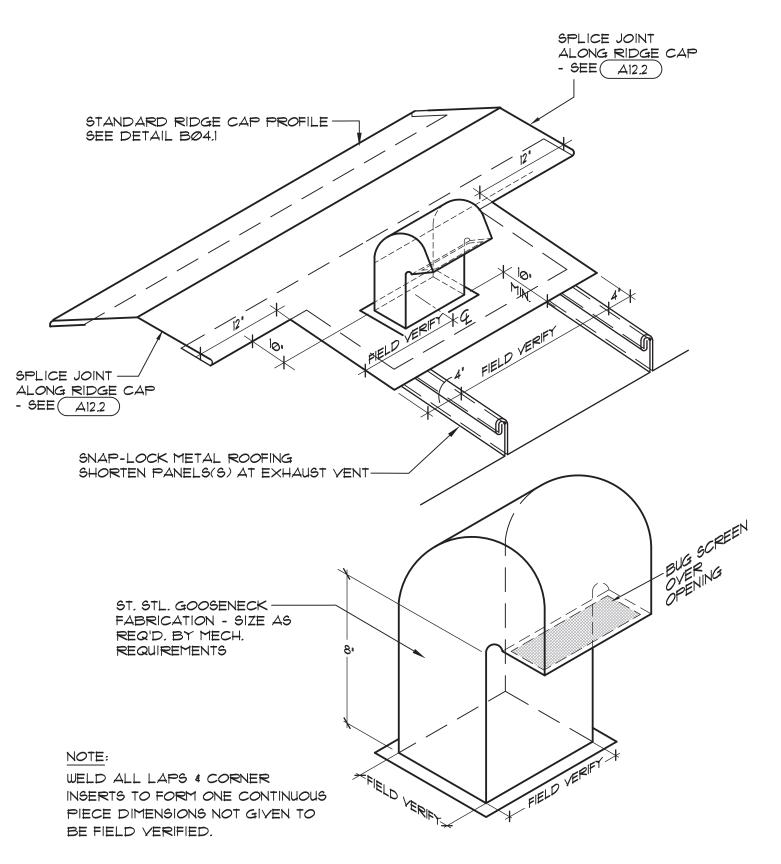


ALL EXPOSED METAL SHOWN TO BE FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.)

-SEAL ALL JOINTS WITH SEALANT PER SPECIFICATION SECTION Ø1900



A17.2 PRE-FABRICATED CURB ASSEMBLY DETAIL FOR DUAL HOT STACKS SCALE: NONE



NOTE: EXHAUST DUCTWORK WILL NEED TO BE REROUTED BELOW DECK TO CONNECT TO NEW GOOSENECK FABRICATION -FIELD VERIFY LOCATIONS

SCREEN AT

OPENING

1'-6"

BRACE

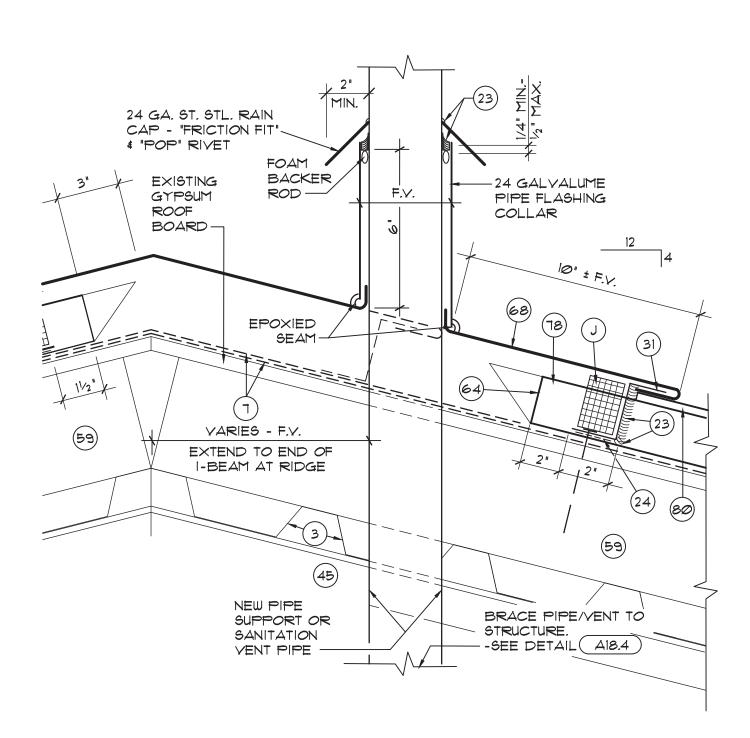
BACK TO

STRUCTURE

- WEATHERHEAD /

FABRICATION INTEGRAL WITH RIDGE CAP

TYPICAL CURB FOR FUME EXHAUST LOCATED AWAY FROM RIDGE



TYPICAL PIPE OR VENT FLASHING DETAIL AT RIDGE CAP

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.
- 10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.
- BATT INSULATION, NEW TO BE 6" R-19 UNLESS NOTED OTHERWISE
- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED

21. SURFACE APPLIED TERMINATION BAR - SEE DETAIL NOTED

- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 GA. PRE-FINISHED GALYALUME STEEL "Z-CLOSURE" NOTCHED AT PANELS SEAMS
- 31. CONT. 22 G.A. PRE-FINISHED GALYALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2. 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- 47. CONTINUOUS 18 G.A. GALV. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT /
- "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A142.

58. MODIFIED BITUMEN "STRIP-IN" FLASHING -INSTALL AS SHOWN.

- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-
- REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- 61. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL EDGE - SEE DETAIL AIØ.5
- 64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING
- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
- 69. 24 GA. PRE-FINISHED GALVALUME ROOF CURB FABRICATION
- 72. 26 GA GALYALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL A14.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALVALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END
- CLOSURE PIECE / EDGE METAL -SEE DETAILS A10.3 & A11.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP
- 88. CONTINUOUS 22 GA. GALYALUME STEEL RAKE / GABLE CLIP
- 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND, INSTALL PER MANUFACTURER'S DIRECTIONS
- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL
- 98. 3' LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT
- MFR'S PROVIDED ANCHOR CLIP SCREW TO METAL DECK BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- RAWL *2864 ZAMAC "NAIL-IN" FASTENERS @ 8" O.C. (MAX.) WITH
- ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI.
- SCHEDULE ON DRAWING GO2. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS,

ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER

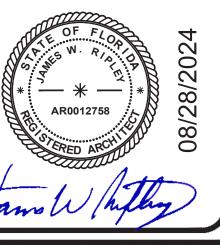
- PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
- CLOSED CELL FOAM RUBBER CLOSURE CUT AS REQ'D FOR FRICTION FIT WITHIN EACH PANEL AND SEAL WITH ONE PART URETHANE SEALANT



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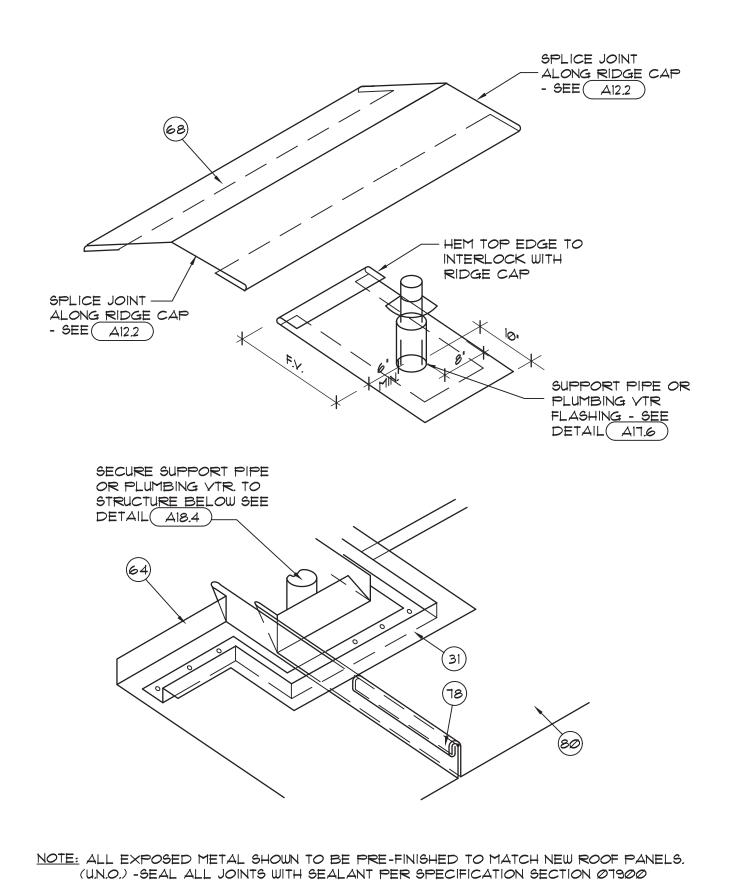
ROOF CURB AND PENETRATION FLASHING AND **FABRICATION DETAILS**

TYPICAL GOOSENECK EXHAUST VENT AT RIDGE CAP DETAIL

NOTE: ALL EXPOSED METAL SHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS.

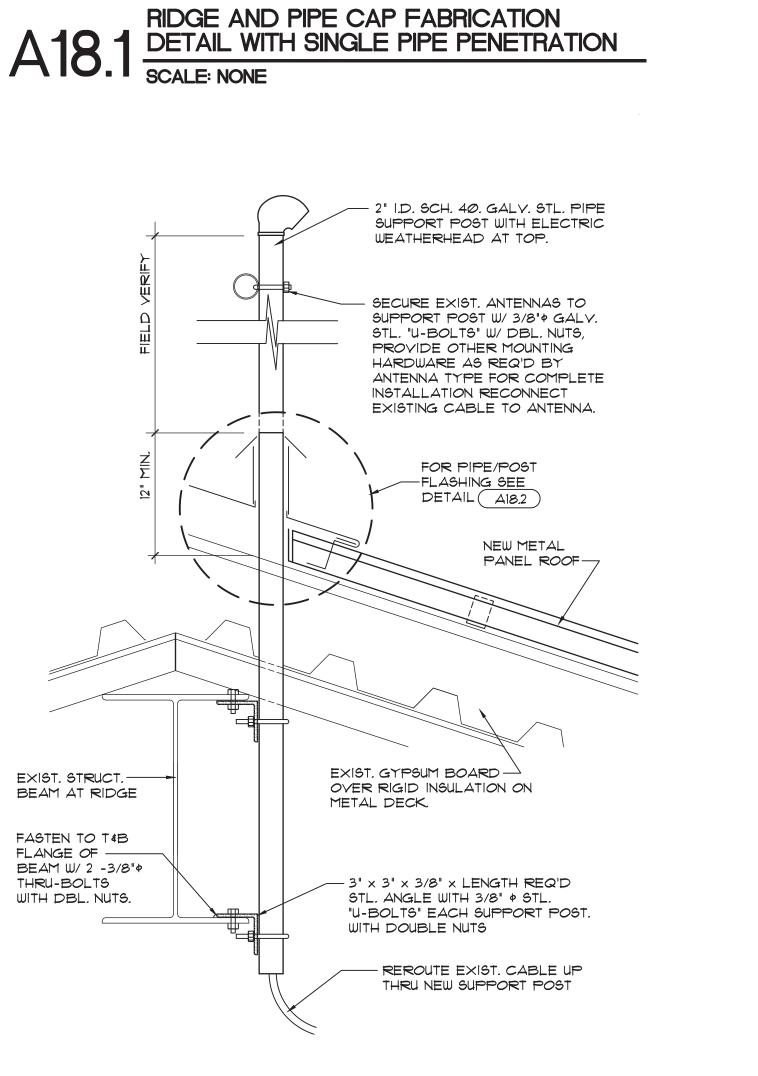
(U.N.O.) -SEAL ALL JOINTS WITH SEALANT PER SPECIFICATION SECTION Ø7900

TYPICAL GOOSENECK VENT

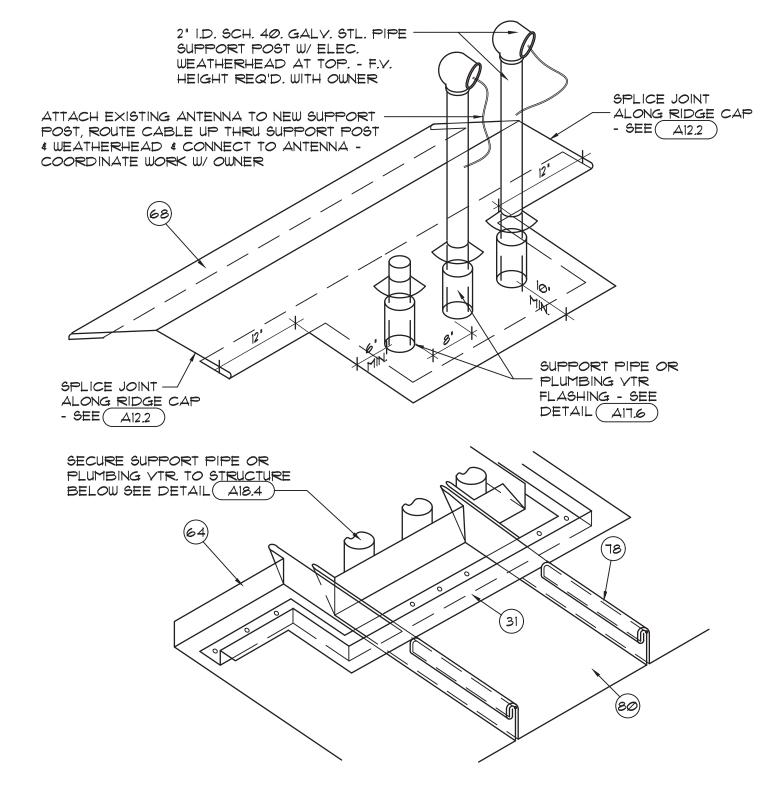


DIAGONAL

BRACES

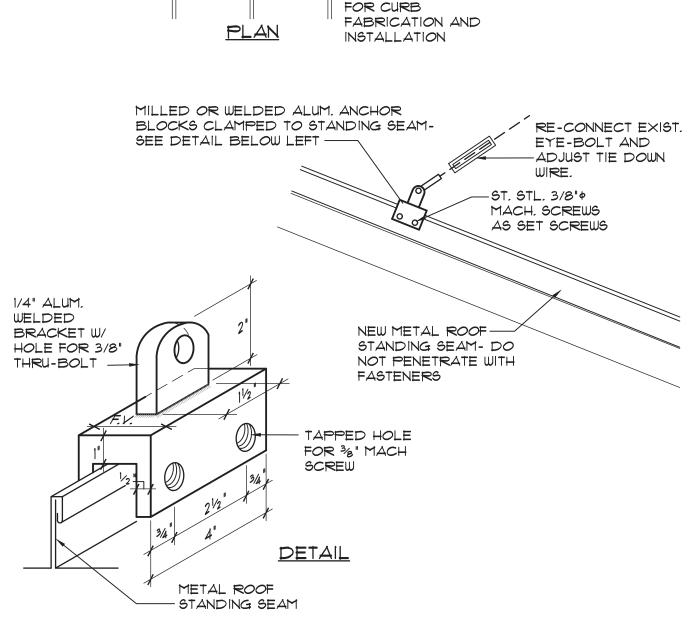


ANTENNA SUPPORT POST, FLASHING AND ANCHORAGE TO STRUCTURE DETAIL



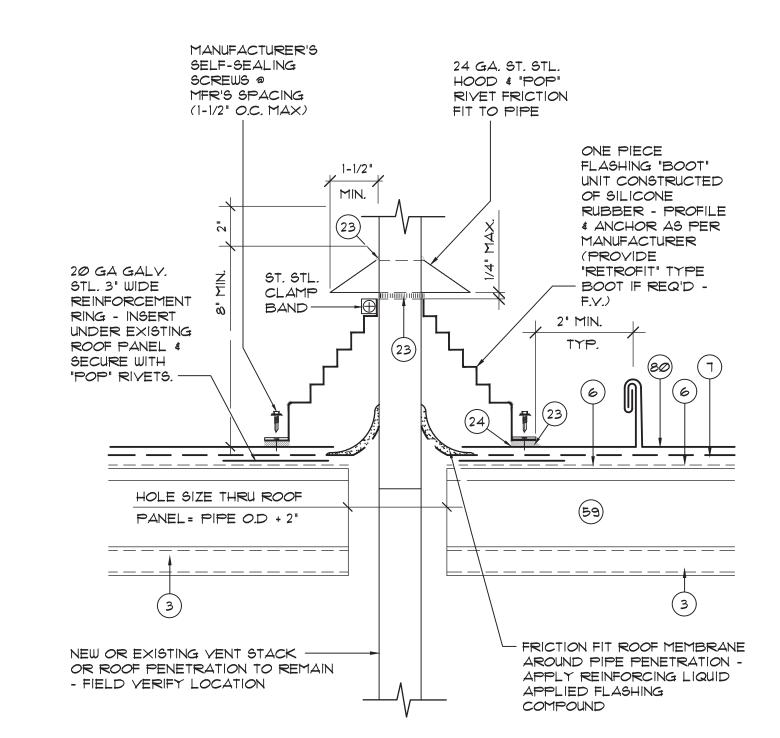
NOTE: ALL EXPOSED METAL SHOWN TO BE PRE-FINISHED TO MATCH NEW ROOF PANELS. (U.N.O.) -SEAL ALL JOINTS WITH SEALANT PER SPECIFICATION SECTION Ø1900

A18.2 RIDGE / PIPE CAP FABRICATION DETAIL WITH MULTIPLE PIPE PENETRATIONS SCALE: NONE



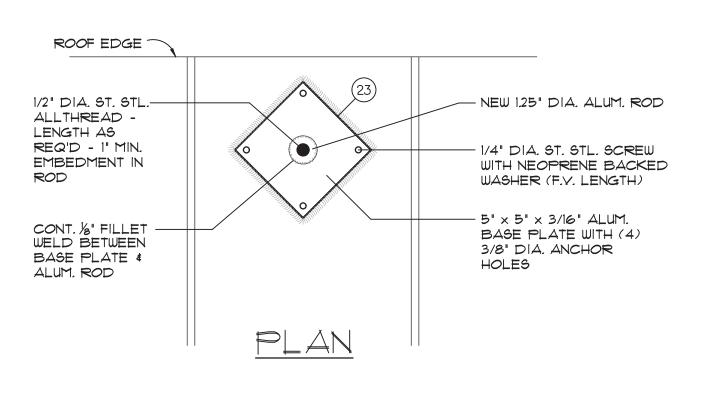
A16.5

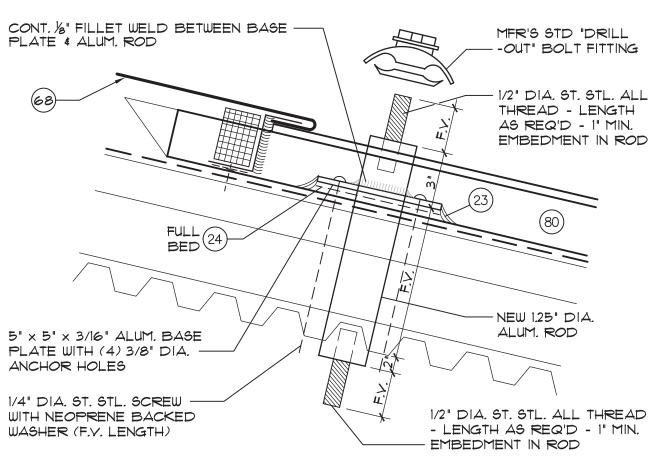
TYPICAL WIND TIE-DOWN STRAP DETAIL AT SMALL ROOFTOP UNITS



NOTE: FIELD VERIFY EXACT LOCATION OF PENETRATION AND RELOCATE AS REQ'D. TO AVOID INTERFERENCE WITH PANEL RIBS

PIPE PENETRATION / VENT STACK (BOOT) A18.3 FLASHING AND ANCHORAGE DETAIL





TYPICAL LIGHTNING PROTECTION DOWNLEAD PENETRATION DETAIL

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- 3. EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND
- REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.

10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.

- BATT INSULATION, NEW TO BE 6' R-19 UNLESS NOTED OTHERWISE
- NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED
- 18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED 20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED
- 21. SURFACE APPLIED TERMINATION BAR SEE DETAIL NOTED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 G.A. PRE-FINISHED GALYALUME STEEL "Z-CLOSURE" NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2.
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4

43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE

- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- 47. CONTINUOUS 18 G.A. GALV. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A14.2.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN "STRIP-IN" FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- 61. CONTINUOUS 24 G.A. PRE-FINISHED GALVALUME STEEL METAL
- EDGE SEE DETAIL AIØ.5

64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING

- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
- 69. 24 GA. PRE-FINISHED GALVALUME ROOF CURB FABRICATION
- 12. 26 GA GALVALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL A14.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN "Z-CLOSURE". SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALVALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL GABLE END CLOSURE PIECE / EDGE METAL -SEE DETAILS AID.3 & AII.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE
- 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP
- 88. CONTINUOUS 22 GA. GALYALUME STEEL RAKE / GABLE CLIP
- 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND, INSTALL PER MANUFACTURER'S DIRECTIONS
- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL 98. 3' LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT

MFR'S PROVIDED ANCHOR CLIP - SCREW TO METAL DECK

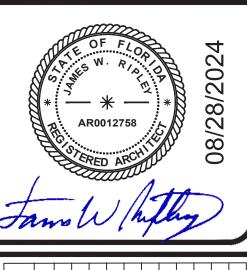
- BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- RAWL *2864 ZAMAC "NAIL-IN" FASTENERS @ 8" O.C. (MAX.) WITH ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BOI.
- ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER SCHEDULE ON DRAWING GO2.
- G. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS,
- PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
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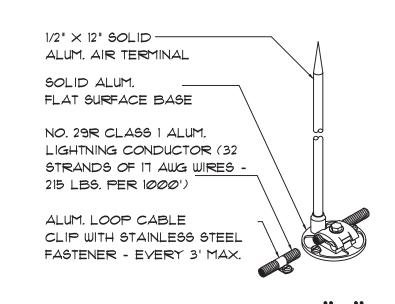
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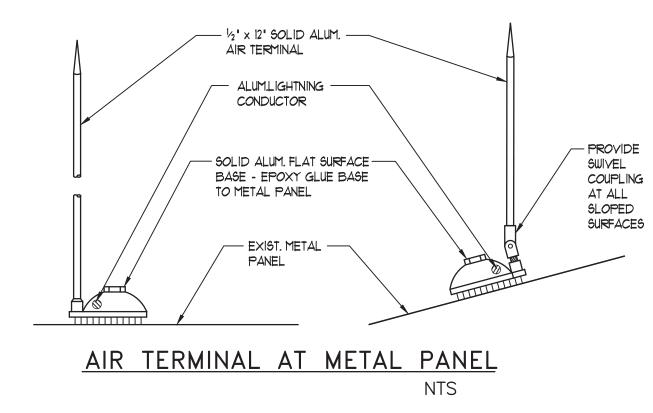
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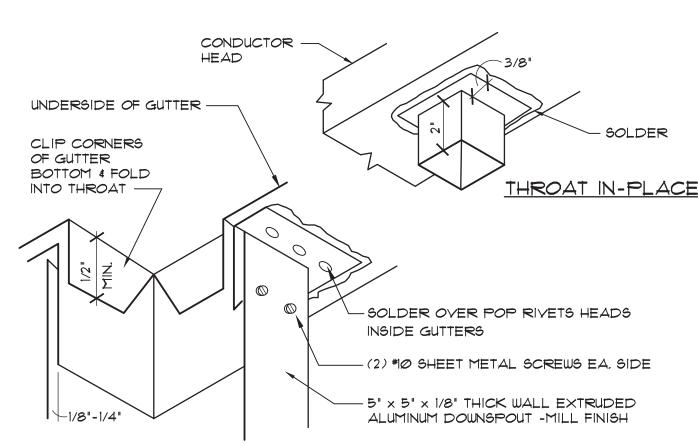
ROOF PENETRATION FLASHING AND FABRICATIONS



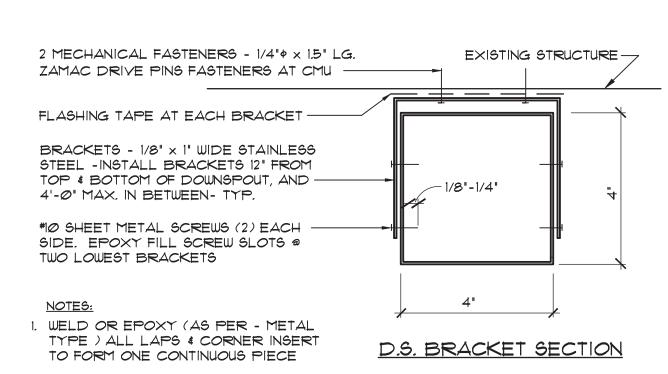
AIR TERMINAL DETAIL "A"



TYPICAL LIGHTNING PROTECTION 4 AIR TERMINAL MOUNTING DETAILS

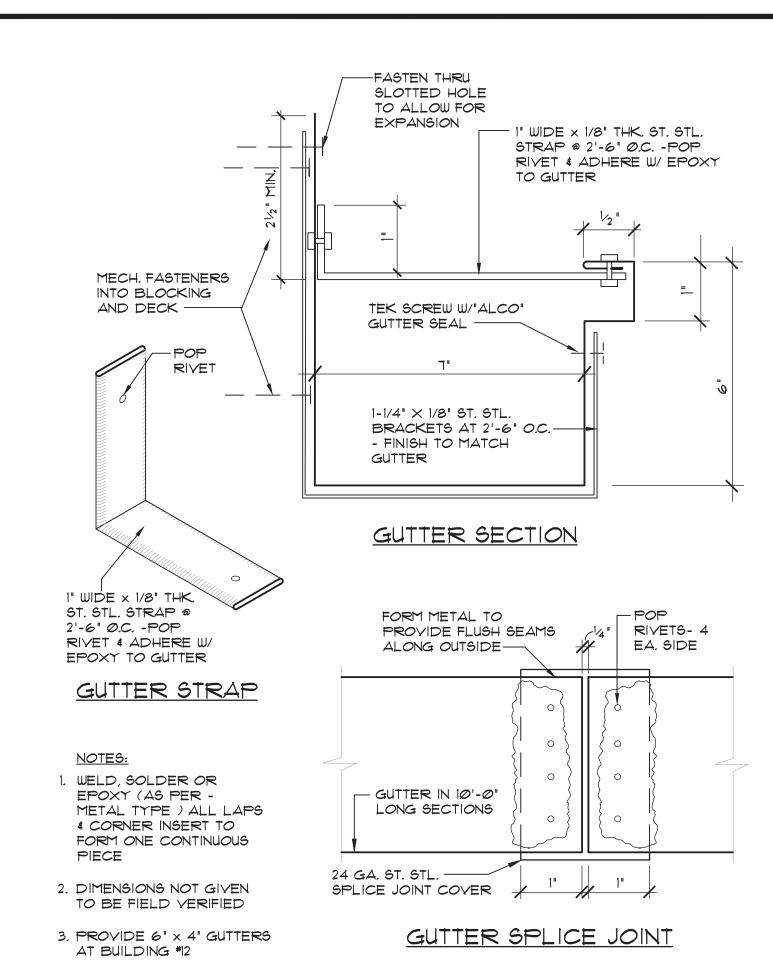


D.S. CONNECTION DETAIL

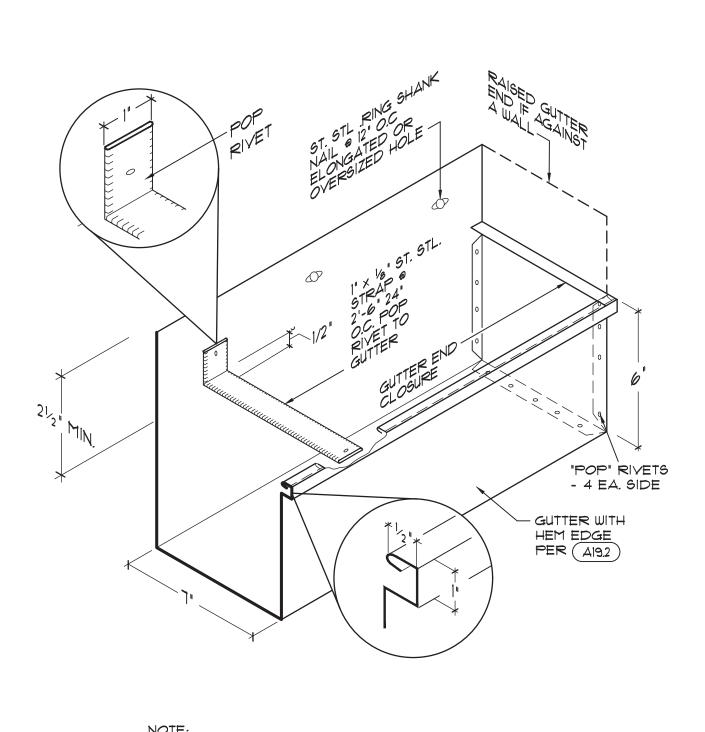


2. DIMENSIONS NOT GIVEN TO BE FIELD VERIFIED

> TYPICAL DOWNSPOUT / GUTTER CONNECTION FABRICATION DETAIL

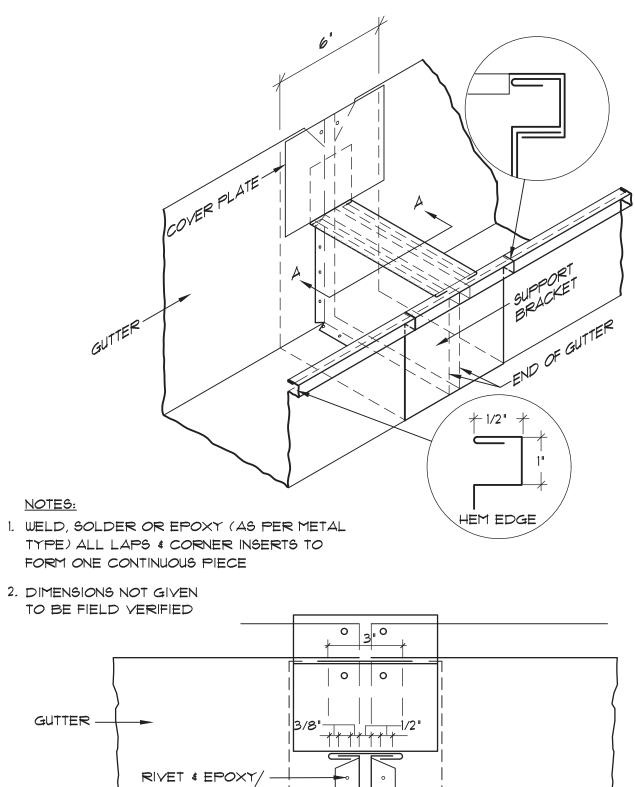


TYPICAL GUTTER FABRICATION AND SPLICE JOINT DETAILS



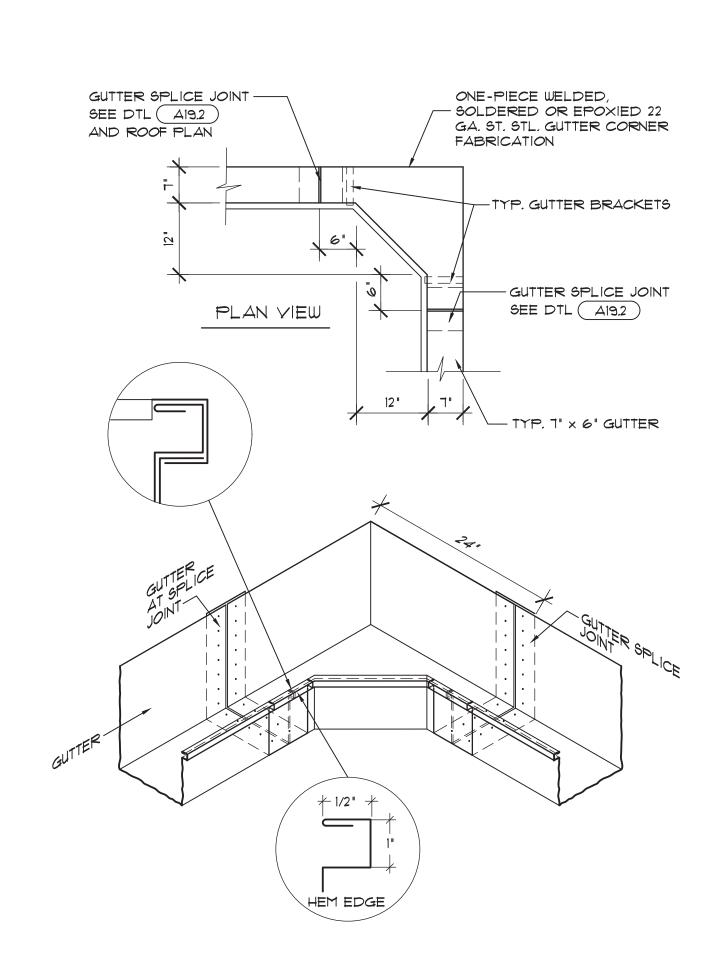
1. WELD, SOLDER OR EPOXY (AS PER - METAL TYPE) ALL LAPS & CORNER INSERT TO FORM ONE CONTINUOUS PIECE 2. DIMENSIONS NOT GIVEN TO BE FIELD VERIFIED.

TYPICAL GUTTER END CLOSURE FABRICATION DETAIL



WELD COVER PLATE SECTION A-A

TYPICAL GUTTER EXPANSION JOINT FABRICATION DETAIL



TYPICAL ENLARGED INSIDE CORNER GUTTER FABRICATION DETAIL

DETAIL NOTES

- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- 3. EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
- NEW SELF-ADHESIVE MODIFIED BITUMEN UNDERLAYMENT
- EXISTING MECHANICAL EQUIPMENT TO BE REUSED, REMOVE AND REINSTALL AS REQUIRED TO INSTALL NEW ROOFING SYSTEM.

- 16. BATT INSULATION, NEW TO BE 6" R-19 UNLESS NOTED OTHERWISE
- 17. NON-TAPERED RIGID INSULATION TO REMAIN UNCHANGED

10. EXISTING CURB CONSTRUCTION TO REMAIN UNCHANGED.

18. TAPERED RIGID INSULATION TO REMAIN UNCHANGED

20. 1/2" 'DENS-DECK' GYPSUM ROOF BOARD FULLY PRIMED

- 21. SURFACE APPLIED TERMINATION BAR SEE DETAIL NOTED
- 22. COUNTER FLASHING SURFACE APPLIED SEE DETAIL NOTED
- 23. CONTINUOUS SEALANT SEE SPECIFICATIONS
- 24. CONTINUOUS DOUBLE-SIDED BUTYL FLASHING TAPE
- 27. NEW 18 GA. GALYANIZED STEEL WELDED CURB FABRICATION
- 29. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE" -NOTCHED AT PANELS SEAMS
- 31. CONT. 22 GA. PRE-FINISHED GALVALUME STEEL "Z-CLOSURE"
- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
- 34. CONTINUOUS 22 GA. STAINLESS STEEL GUTTER -SEE DETAIL A19.2.
- 35. EXTRUDED, MILL FINISH ALUMINUM DOWNSPOUT -SEE DET. A19.4.
- 43. ROUND OFF THIS EDGE TO PROTECT MEMBRANE
- 45. EXISTING STRUCTURE TO REMAIN UNCHANGED.
- 46. EXISTING METAL WALL PANEL TO REMAIN, TRIM AS REQUIRED
- 47. CONTINUOUS 18 G.A. GALV. STL. BLOCKING, FABRICATE & ANCHOR AS DETAILED OR PER FASTENER SCHEDULE ON DRAWING GO2.
- 52. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRANSITION FLASHING WITH HEMMED EDGE - "HOOK" TO CLEAT / "Z-CLOSURE" AND SECURE AS DETAILED. SEE DETAIL A14.2.
- 54. HEM UPPER AND LOWER EDGES TO ENGAGE CLEAT.
- 58. MODIFIED BITUMEN "STRIP-IN" FLASHING -INSTALL AS SHOWN.
- 59. EXISTING COVER BOARD OVER RIGID INSULATION TO REMAIN-REPLACE DAMAGED AREA PER UNIT PRICE ALLOWANCES
- 60. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL PARAPET OR EXPANSION JOINT CAP - SEE DETAIL A15.5
- 61. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL METAL
- EDGE SEE DETAIL AIØ.5
- 64. 'BOX' TOP OF ROOF PANEL IN FIELD WITHOUT CUTTING
- 68. CONT. 24 GA. PRE-FINISHED GALVALUME STEEL RIDGE CAP-SLIDE ON OVER "Z-CLOSURE" AND SECURE WITH BUTTON PUNCH. PROVIDE SPLICE CLEAT @ JOINT - SEE DETAILS A12.1 & A12.2
- 69. 24 GA. PRE-FINISHED GALVALUME ROOF CURB FABRICATION
- 12. 26 GA GALVALUME STEEL RETAINER CLEATS @ 12" O.C. (MAX.)-4" WIDE WITH TWO FASTENERS (MIN.) - SEE DETAIL AI4.5
- 18. SNAP LOCK PANEL SEAM, REMOVE TOP OF RIB OR RIB CAP AS REQ'D TO PASS THRU SLIT IN 'Z-CLOSURE'. SEE DETAIL A14.2
- 80. 24 GA. PRE-FINISHED GALYALUME STEEL ROOF PANEL SYSTEM
- 85. CONT. 24 GA. PRE-FINISHED GALYALUME STEEL GABLE END
- CLOSURE PIECE / EDGE METAL -SEE DETAILS AID.3 & AII.3.
- 86. CONTINUOUS OR SPACED 22 GA. GALVALUME STL. GABLE ANGLE
- 87. CONTINUOUS 24 GA. PRE-FINISHED GALVALUME STEEL TRIM CAP 88. CONTINUOUS 22 GA. GALYALUME STEEL RAKE / GABLE CLIP
- 90. FABRIC REINFORCED LIQUID APPLIED FLASHING COMPOUND,
- INSTALL PER MANUFACTURER'S DIRECTIONS
- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL
- 98. 3' LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT
- MFR'S PROVIDED ANCHOR CLIP SCREW TO METAL DECK BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
- HEMMED EDGE OF ROOF PANEL IN FIELD TO ENGAGE CONTINUOUS CLEAT PER DETAIL NOTED
- RAWL *2864 ZAMAC 'NAIL-IN' FASTENERS @ 8' O.C. (MAX.) WITH
- ST. STL. PIN (1/4" DIA. x 1.25" LONG -MIN.), FIELD VERIFY LENGTH REQUIRED FOR ADEQUATE EMBEDMENT PER DRAWING BØI.

ST. STL. RING SHANK ROOFING NAIL -SPACE PER FASTENER

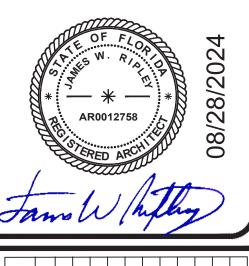
- SCHEDULE ON DRAWING GO2. 1/4" DIA. x 2.5" LONG ZAMAC "NAIL-IN" DRIVE PIN FASTENERS,
- PROVIDE TWO (MIN.) PER BRACKET.
- H. ST. STL. FASTENER WITH NEOPRENE BACKED WASHER
- CLOSED CELL FOAM RUBBER CLOSURE CUT AS REQ'D FOR FRICTION FIT WITHIN EACH PANEL AND SEAL WITH ONE PART URETHANE SEALANT



Associates Incorporated Architecture

Roof Consulting Construction Technology LIC. NBR AR-0007684 601 North Fern Creek Avenue Suite 100 Orlando, FL

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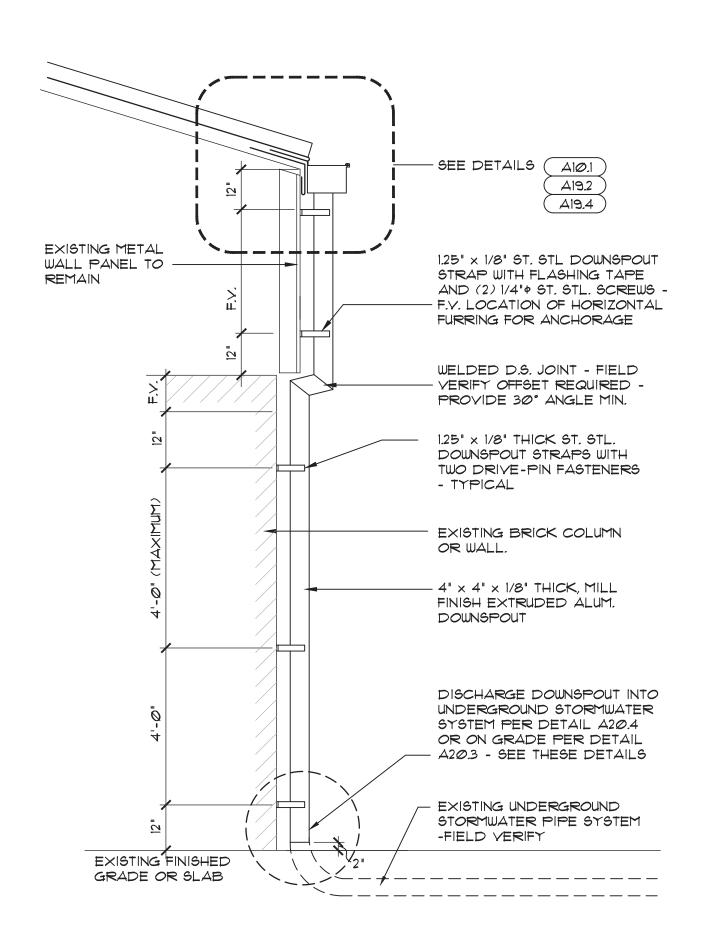
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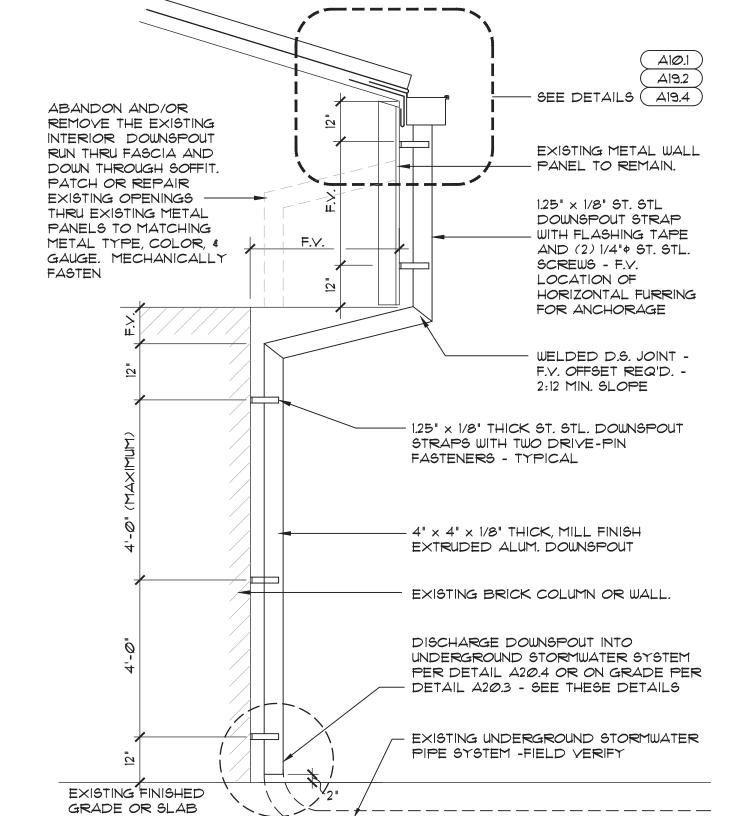
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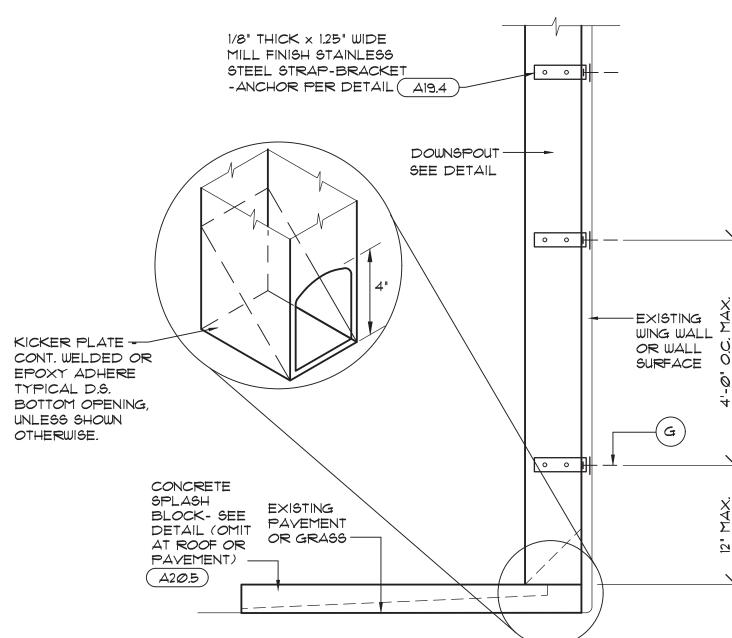
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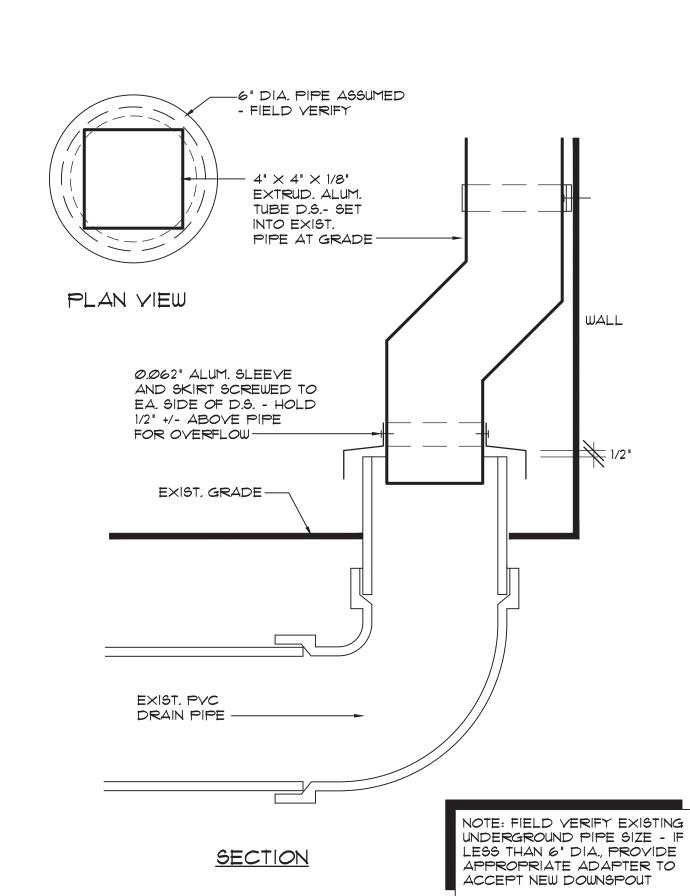
> ROOF DRAINAGE AND **FABRICATION DETAILS**





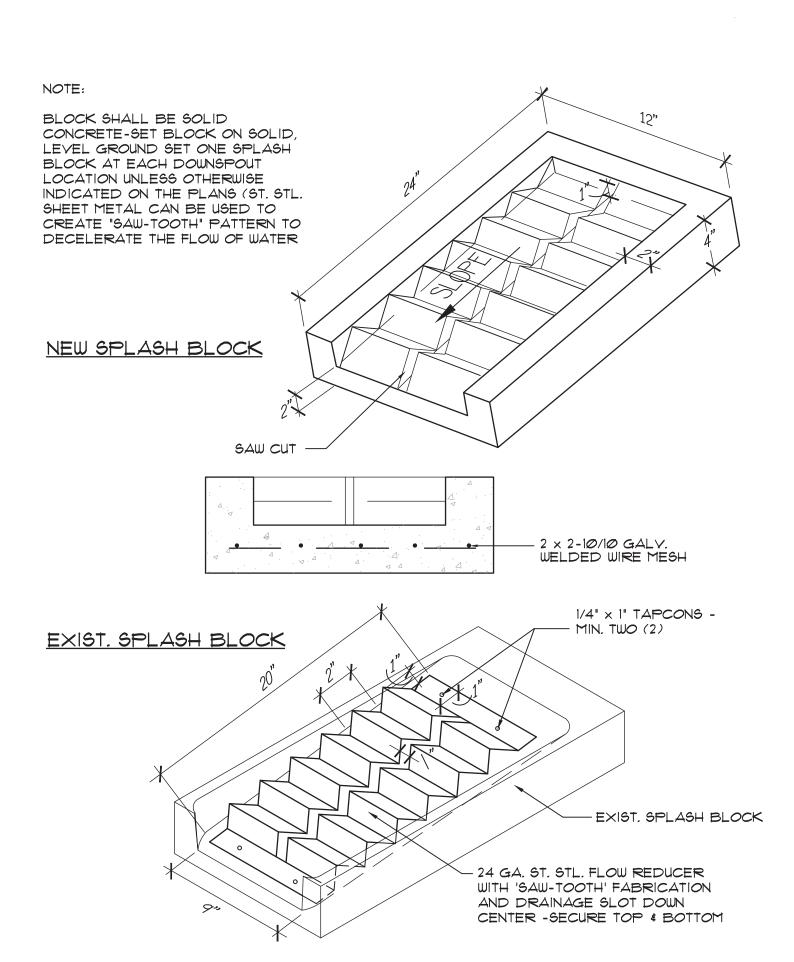


TYPICAL EXTERIOR DOWNSPOUT SECTION AND FABRICATION DETAIL SCALE: NONE



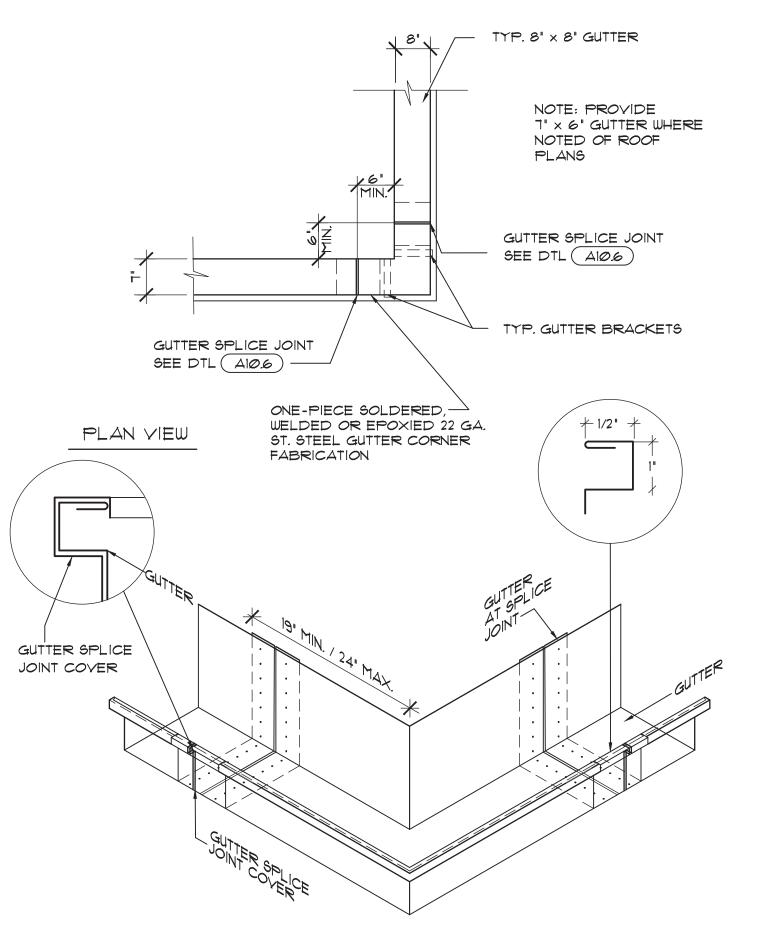
TYPICAL DOWNSPOUT CONNECT TO **UNDERGROUND STORMWATER SYSTEM**

EXTERIOR DOWNSPOUT SECTION AND FABRICATION DETAIL AT OVERHANG



TYPICAL CONCRETE SPLASHBLOCK FABRICATION DETAIL

TYPICAL DOWNSPOUT OUTLET AND KICKER PLATE FABRICATION DETAIL



TYPICAL GUTTER OUTSIDE CORNER FABRICATION DETAIL **DETAIL NOTES**

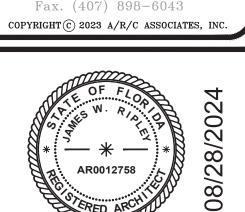
- EXISTING SPLIT FACED CONCRETE BLOCK WALL TO REMAIN
- 2. EXISTING METAL STUD FRAMED WALL SYSTEM TO REMAIN.
- EXISTING STRUCTURAL STEEL DECK TO REMAIN UNCHANGED.
- 4. EXISTING PARAPET CONSTRUCTION TO REMAIN UNCHANGED.
- 6. EXISTING UNDERLAYMENT / MEMBRANE TO REMAIN UNCHANGED.
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- 32. CONTINUOUS CLEAT TO SECURE FLASHING AS DETAILED
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- 91. CONT. PRE-FINISHED 24 GA. GALVALUME STEEL FASCIA METAL 98. 3' LAP, SEAL WITH CONTINUOUS DOUBLE BEAD OF SEALANT

MFR'S PROVIDED ANCHOR CLIP - SCREW TO METAL DECK

- BELOW PER MANUFACTURER'S PROJECT SPECIFIC ENGINEERING.
- B. 12 DIA. (MIN) COATED 'TEK' SCREW @ 12" O.C. (MAX)
- MFR'S SELF-SEALING STAINLESS STEEL SCREWS WITH NEOPRENE WASHERS AT MFR'S REQUIRED SPACING (1.5" O.C. MAX.)
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> ROOF DRAINAGE AND FABRICATION DETAILS