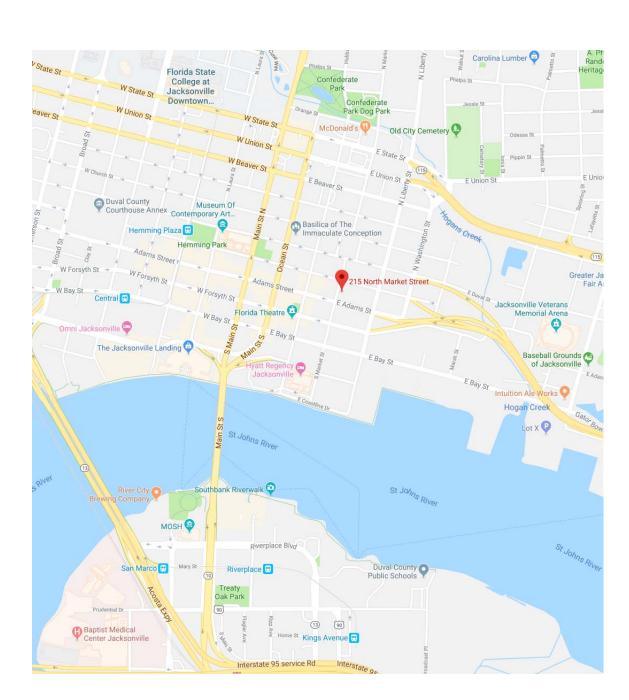
ROOF REPLACEMENT AND DESIGNATED **REPAIRS OF:**

FULLER WARREN BUILDING

215 MARKET ST, JACKSONVILLE, FL 32202







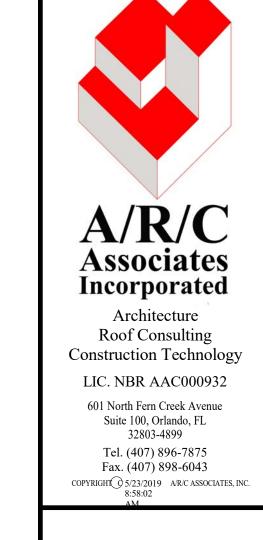
AGENCY ORGANIZATION

RON DESANTIS GOVERNOR

KEN LAWSON EXECUTIVE DIRECTOR **BRIAN MCMANUS**

CHIEF OF STAFF

	DRAWING INDEX						
Sheet Number	Sheet Name						
A00	COVER SHEET, SITE VICINITY MAP, AND DRAWING INDEX						
A01	OVERALL SITE PLAN, ROOF SCHEDULES, WIND UP-LIFT MAP, AND CODE DATA						
AO2	PLANS - OVERALL ROOF PLAN						
BOI	DETAILS - FASTENER SCHEDULE, GENERAL NOTES AND ABBREVIATIONS						
BO2	DETAILS - EDGE AND BASE FLASHING						
B03	DETAILS - FLASHING TRANSITIONS AND FABRICATION						
B04	DETAILS - BASE AND CURB FLASHING						
B05	DETAILS - ROOF PENETRATION FLASHING & DECK IN-FILL						
B06	DETAILS - ROOF DRAINAGE AND FABRICATION						
B07	DETAILS - MISCELLANEOUS FABRICATION						



	PHSICAL CHARACTERISTICS SCHEDULE									
Roof Area Number	Area	Existing Roof Deck Type	Existing Slope	Proposed Slope	Existing Roof Type	Proposed Roof Type	Existing Insulation	Proposed Insulation	Existing Flashing Metal	Proposed Flashing Metal
	_									
1/A	13,744 SF	CONCRETE CASTE-IN-PLACE	1/8"/FT.	1/8" \$ 1/4"/ FT.	MOD, BIT.	SINGLE-PLY (FULLY ADHERED)	TAPERED RIGID ISO / PERLITE BD.	TAPERED RIGID ISO / GYPSUM BD.	PRE-FIN, ALUM,	ALUM, / PVC COATED ALUM,
1/B	3,034 SF	L.W.I.C. OVER MTL. DECK	1/8"/FT.	1/4"/FT.	MOD, BIT.	SINGLE-PLY (FULLY ADHERED)	TAPERED RIGID ISO / PERLITE BD.	TAPERED RIGID ISO / GYPSUM BD.	PRE-FIN, ALUM,	ALUM, / PVC COATED ALUM,
1/C	110 SF	CONCRETE CASTE-IN-PLACE	1/8"/FT.	1/4"/FT.	MOD, BIT.	SINGLE-PLY (FULLY ADHERED)	TAPERED RIGID ISO / PERLITE BD.	TAPERED RIGID ISO / GYPSUM BD.	PRE-FIN, ALUM,	ALUM, / PVC COATED ALUM,
Total Area	16,888 SF		•					<u> </u>		

The quantities provided are from the architect's field investigation and are provided for the contractor's use. The information represents what was peformed at the location. This information may not be consistant at all areas or locations within the scope of work. The contractor is cautioned to confirm the existring conditions to the extent necessary to properly bid and construct the scope of work. Any deviations found should be brought to the attention of the architect

WIND UPLIFT DATA:

FLORIDA BLDG CODE DATA

(FBC - 6TH EDITION 2017 EDITION / ASCE 7-10)

EΑ	. 1/A		
	Risk Category	11	
	Wind Spe - Ultimate	125	MPH
	- Nominal (Actual)	97	MPH
	Building Enclosure	E	
	Building Exposure	В	
	Internal Pressure Coefficient	0.18	
	Mean Roof Height	40.00	

Ultimate (Factored) Wind Design Pressures

Edge / Corner Zone Width

Ottimate (I dotored) willia be	olgii i io	Jour	, ,	
Zone 1 (Field)	12	1	-31	PSF
Zone 2 (Edge)	12	1	-51	PSF
Zone 3 (Corner)	12	1	-77	PSF
Zone 4 (Wall)	28	1	-33	PSF
Zone 5 (Corner)	28	1	-40	PSF

8.1 FT

Actual (Unfactored) Wind Design Pressures

Zone 1 (Field)	7	1	-18	PS
Zone 2 (Edge)	7	1	-31	PS
Zone 3 (Corner)	7	1	-46	PS
Zone 4 (Wall)	17	1	-20	PS
Zone 5 (Corner)	17	1	-24	PS

AREA 1/B

Risk Category	Ш	
Wind Spe - Ultimate	125	N
- Nominal (Actual)	97	1
Building Enclosure	E	
Building Exposure	В	
Internal Pressure Coefficient	0.18	
Mean Roof Height	52.00	
Edge / Corner Zone Width	3.0	F

Ultimate (Factored) Wind Design Pressures Zone 1 (Field) 13 / -33 **PSF** 13 / -55 Zone 2 (Edge) 13 / -83 **PSF** Zone 3 (Corner)

Actual (Unfactored) Wind Design Pressures

Zone 4 (Wall)

Zone 5 (Corner)

8	1	-20	PSF
8	1	-33	PSF
8	1	-50	PSF
18	1	-21	PSF
18	1	-26	PSF
	8 8 18	8 / 8 / 18 /	8 / -33 8 / -50 18 / -21

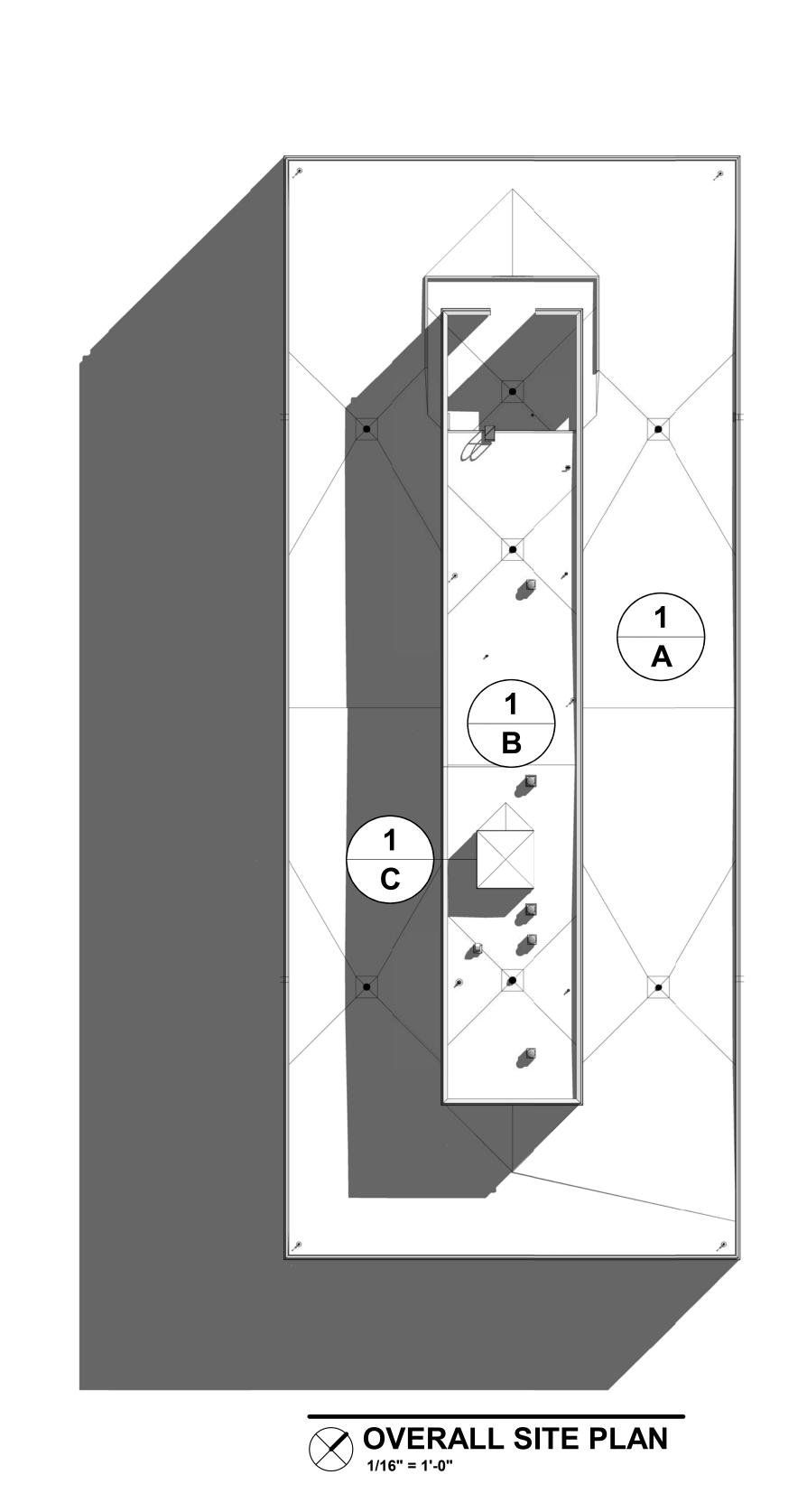
30 / -35

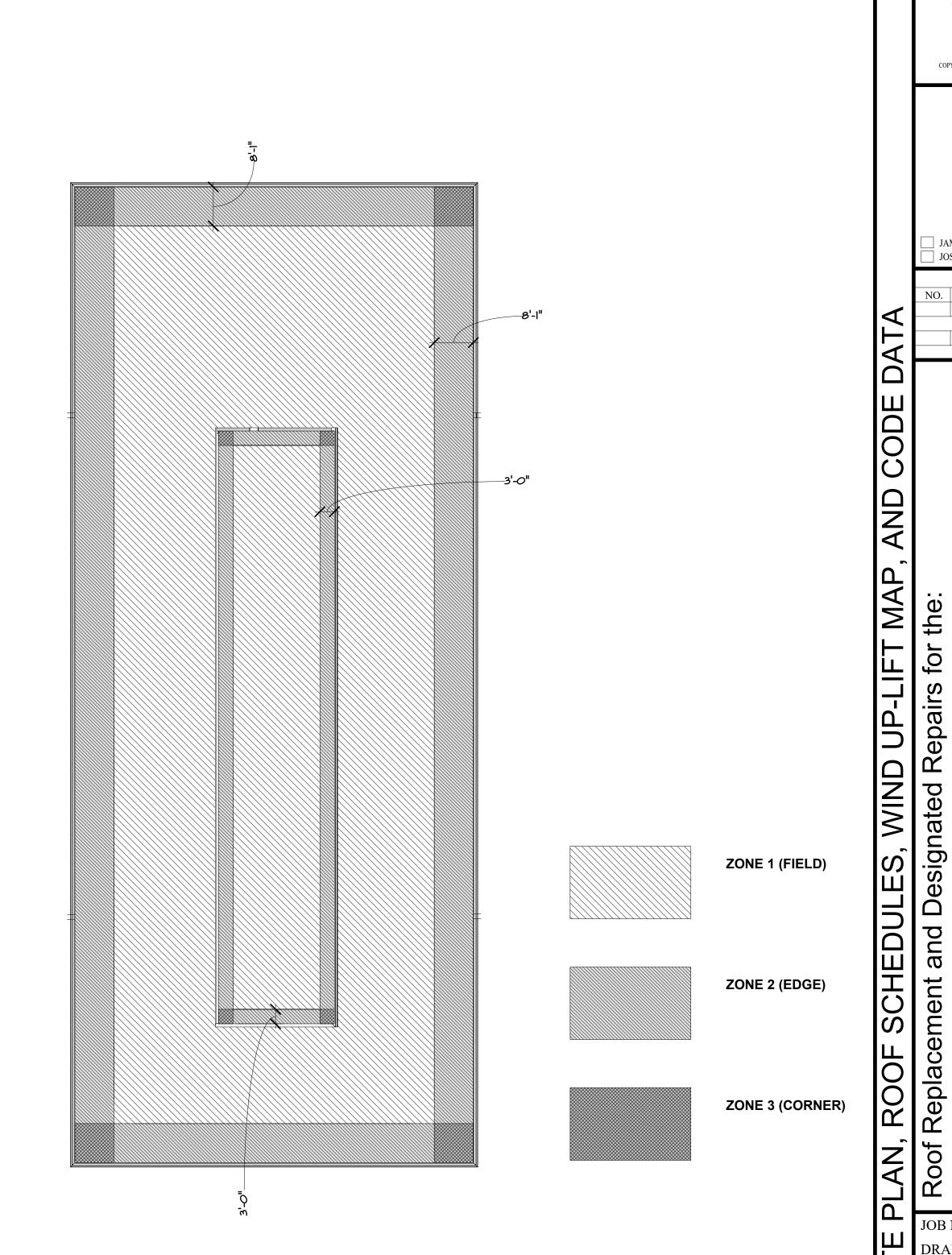
30 / -44 PSF

PSF

BUILDING CODE NOTES:

- 1. 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, 6th edition (2017) as defined
- 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, 6th edition (2017). 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.
- 3. 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.







LIC. NBR AAC000932 601 North Fern Creek Avenue Suite 100, Orlando, FL

32803-4899 Tel. (407) 896-7875 Fax. (407) 898-6043 COPYRIGHT 4/3/2019 A/R/C ASSOCIATES, INC. 4:07:41

JAMES W. RIPLEY AR-0012758 JOSEPH J. WILLIAMS AR-0007684

REVISIONS

DATE

32202 Opportunity Florida conomic Jacksonville,

Department

BUILDING

WARREN

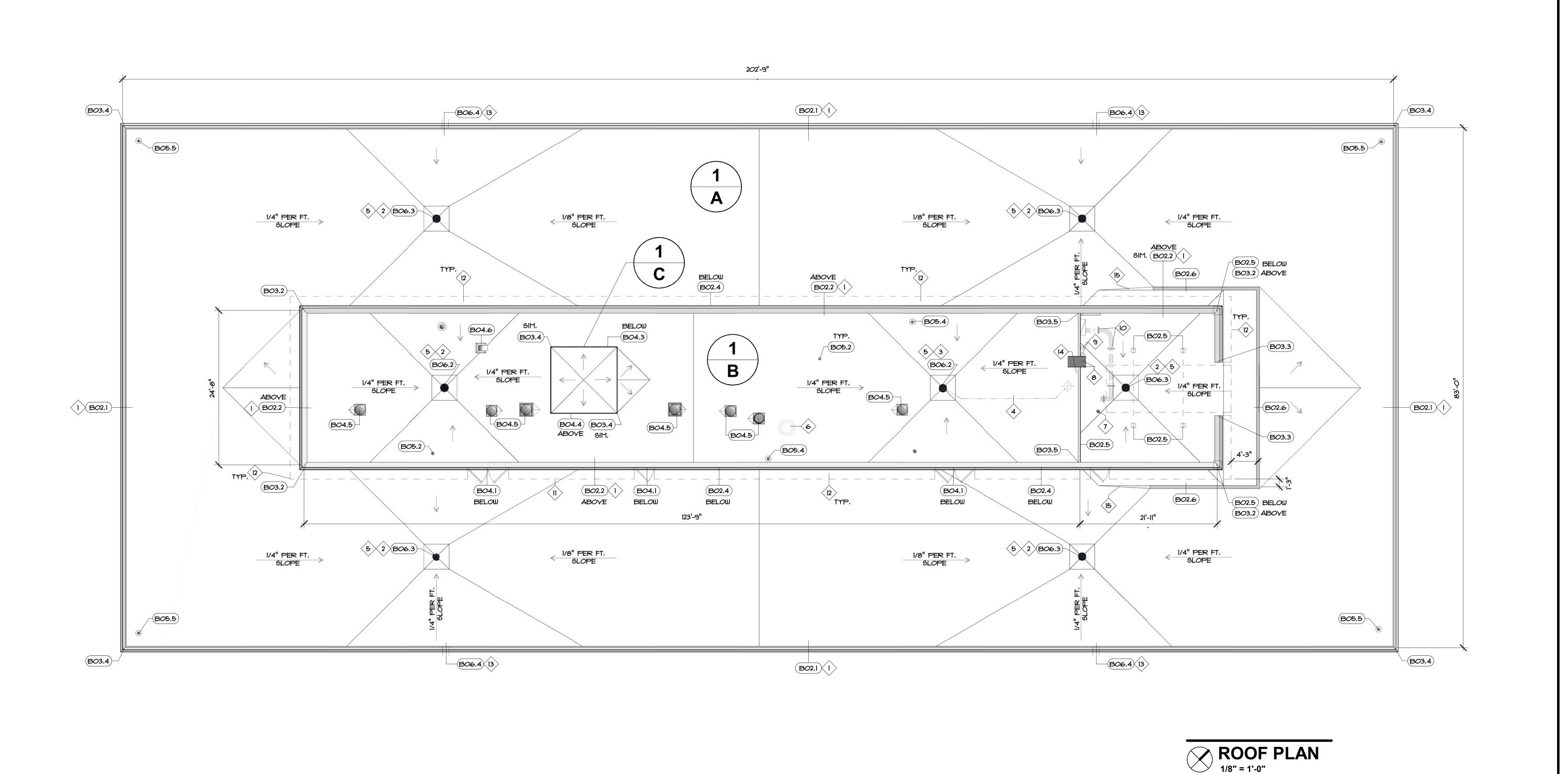


Florida 18052.00 JOB NO.: DRAWN BY: TG DESIGNED BY: TG

<u>OVERALI</u>

CHECKED BY: JW

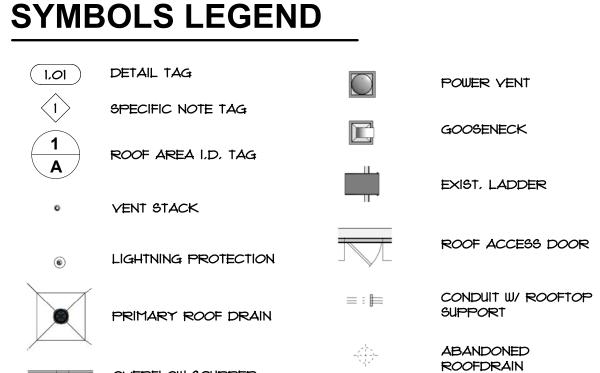
2 OF **10** SHEET(S)



SPECIFIC NOTES

- REMOVE AND STORE EXISTING LIGHTNING PROTECTION SYSTEM - REINSTALL AFTER NEW ROOF SYSTEM IS IN PLACE -SEE DETAILS BO5.3, BO5.6 \$ BO6.1 - REPLACE DAMAGED OR
- DETERIORATED EQUIPMENT REMOVE AND REPLACE PRIMARY ROOF DRAIN AT EXIST. LOCATION (MATCH EXIST, DRAIN SIZE), PROVIDE NEW 4'-0" X 4'-0" imes 3/4" PER FOOT TAPERED SUMP & RECONNECT TO THE
- EXIST, LEADER PIPING BELOW TO BE REUSED. RELOCATE PRIMARY DRAIN AS INDICATED PER PLAN \$ INSTALL NEW (MATCH EXIST, DRAIN SIZE), PROVIDE NEW 4'-0" × 4'-0" × 3/4" PER FOOT TAPERED SUMP & RECONNECT TO
- EXISTING LEADER PIPING BELOW DECK (4) INSTALL NEW LEADER PIPE AT 1/4" PER FOOT SLOPE (MIN.) WITHIN CEILING PLENUM & INSULATE PIPE (SIZE AS NOTED) -F.Y. ACTUAL LOCATION AND PIPE ROUTING.
- ROD, BLOW \$/OR SNAKE ALL EXIST, DRAIN LEADER LINES TO ENSURE THEY ARE CLEAR AND FULLY FUNCTIONAL, INFORM OWNER OF ANY DRAINAGE PROBLEMS.
- REMOVE ABANDONED CONC. CHIMNEY STACK, SAW-CUT BELOW DECK, INFILL DECK PER DETAIL BOS.I, COORDINATE
- HOSE BIB/PIPE PENETRATION TO REMAIN, REMOVE PITCH PAN AND FLASH PER DETAIL BO5.2 SIM.
- REMOVE ABANDONED THRU WALL/DECK CONDUIT PIPING TO CREATE SMOOTH FLASHING SURFACE AT WALL/DECK.
- DISCONNECT AND RAISE SMALL ELECTRICAL RECEPTACLES AT WALL A MINIMUM 2'-O" ABOVE FINSHED ROOF SURFACE.
- RAISE AND INSTALL EXISTING ELECTRICAL CONDUIT ON NEW SUPPORT STANDS AT 4'-0" O.C. - SEE DETAIL BO4.2 REMOVE ABANDONED CABLE CONDUIT FROM PRECAST PANEL JOINTS, COORDINATE WITH OWNER OR ARCHITECT'S REPRESENTATIVE,
- REPLACE JOINT SEALANT AND BACKER ROD BETWEEN VERTICAL PRECAST PANEL JOINTS AND CORNERS AT PENTHOUSE ROOF WITH SPECIFIED POLYURETHANE SEALANT,
- NEW OVERFLOW SCUPPERS, LOCATE PER PLAN. SAW-CUT THRU CONCRETE WALL AS REQ'D, INSTALL NEW SCUPPER FABRICATION AND ESCUTHEON PLATE AT EXTERIOR OPENING. FLASH PER DETAILS BO6.4
- REMOVE EXISTING WALL MOUNTED LADDER AND REPLACE WITH NEW, SEE DETAIL 1307.2
- (15) APPLY TAPERED EDGE STRIP AT INSULATION TO CREATE A FLUSH TRANSITION ALONG RIDGE OF BOARDS.

OVERFLOW SCUPPER



Replacement Roof JOB NO.: DRAWN BY: TG **PLANS**

CHECKED BY: JW

DESIGNED BY: TG 3 OF **10** SHEET(S)

Florid

18052.00

Associates

Incorporated

Architecture Roof Consulting Construction Technology

LIC. NBR AAC000932 601 North Fern Creek Avenue Suite 100, Orlando, FL

32803-4899

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JAMES W. RIPLEY AR-0012758

JOSEPH J. WILLIAMS AR-0007684

BY:

pportunity

Florida

Repairs

Designated

and

REVISIONS

DATE

FASTENER SCHEDULE:

A, GENERAL NOTES:

- THIS SCHEDULE AND THE FASTENING METHODS INDICATED HEREIN ARE INTENDED TO ADDRESS TYPICAL CONDITIONS, AND MAY NOT APPLY TO ALL CONDITIONS FOR THIS PROJECT.
- CONTRACTOR/INSTALLER MUST ALSO REFER TO THE DETAILS FOR THIS SPECIFIC PROJECT, IN THE CASE OF CONFLICTING DATA, THE PROJECT SPECIFIC DETAILS SHALL GOVERN.
- FOR ALL CONDITIONS NOT COVERED WITHIN SCHEDULE, REFER TO FASTENER REQUIREMENTS OF THE WRITTEN SPECIFICATIONS ABOYE OR CONSULT WITH OWNER OR ARCHITECT.
- MANUFACTURER OF ALL SPECIALITY FASTENER SHALL PERFORM FIELD TESTING TO VERIFY WITHDRAWAL VALUES & FASTENING PATTERNS FOR THE SPECIFIC PROJECT CONDITIONS PRIOR TO INSTALLATION, REQ'D A WRITTEN REPORT SHALL BE SUBMITTED TO THE OWNER & ARCHITECT FOR REVIEW & APPROVAL.
- ALL FASTENERS SHALL BE STAINLESS STEEL OR HAVE A CORROSION RESISTANT COATING THAT EXCEEDS F.M. APPROVAL STANDARD 4470, UNLESS NOTED OTHERWISE,

B, WOOD BLOCKING (2" NOMINAL THICKNESS):

- CONCRETE: 36" & SELF-TAPPING MASONRY ST. STL. SCREW AT 16" O.C., MAX., LENGTH AS REQ'D FOR 1 34" MIN, EMBEDMENT, OR- 36" DEFORMED OR FLUTED NAIL AT 12" O.C. MAX., LENGTH AS REQ'D FOR 14" MIN. EMBEDMENT, COUNTERSINK HEADS AS REQ'D.
- CONCRETE BLOCK (CMU): %" & SELF-TAPPING MASONRY ST. STL. SCREWS AT 12" O.C. MAX., LENGTH AS REQ'D FOR 134" MIN, EMBEDMENT, -OR- 36" HEAVY DUTY SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 18" O.C., LENGTH AS REQ'D FOR 2" MIN. EMBEDMENT, COUNTERSINK HEADS AS REQ'D,
- BRICK: 38" SELF-TAPPING MASONRY ST. STL. SCREWS AT 12" O.C. MAX., LENGTH AS REQ'D FOR 134" MIN. EMBEDMENT, -OR- 36" HEAVY DUTY SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 18" O.C., LENGTH AS REQ'D FOR 2" MIN, EMBEDMENT, COUNTERSINK HEADS AS REQ'D
- STRUCTURAL STEEL: 14" + SELF-DRILLING, SELF-TAPPING ST. STL. SCREWS WITH "WINGS" @ 16" O.C. MAX., LENGTH AS REQ'D FOR 12" MIN, PENETRATION OF THREADS THROUGH STL. COUNTERSINK HEADS AS REQ'D.

- METAL DECK: 14" & SELF-TAPPING ST. STL. "DECK" SCREWS AT 12" O.C. MAX., LENGTH AS REQ'D FOR 12" MIN. PENETRATION THROUGH UNDERSIDE OF DECK. COUNTERSINK HEADS AS REQ'D.
- LIGHT GAGE METAL FRAMING: ¼" \$ SELF-TAPPING ST. STL. "DECK" SCREWS, I MIN. PER FRAMING MEMBER, LENGTH AS REQ'D FOR 15" MIN, PENETRATION THROUGH FRAMING, COUNTERSINK HEADS AS REQ'D,
- PLYWOOD DECK: 14" & SELF-TAPPING ST, STL, "DECK" SCREWS AT 8" O.C. MAX., LENGTH AS REQUIRED FOR 4" MIN, PENETRATION THROUGH UNDERSIDE OF DECK. COUNTERSINK HEADS AS REQUIRED.
- WOOD BLOCKING: 14" & SELF-TAPPING ST. STL. "DECK" SCREWS AT 16" O.C. MAX., LENGTH AS REQ'D FOR 1 2" MIN, EMBEDMENT -OR-TWO CONTINUOUS %" BEADS OF CONSTRUCTION ADHESIVE THE FULL LENGTH OF T HE BOARD TO BE APPLIED AND 12d NAILS @ 4" O.C. (IN TWO ROWS-STAGGERED).

C. PLYWOOD SHEATHING:

- CONCRETE: 14" & SELF-TAPPING MASONRY SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C.MAX. IN THE FIELD, LENGTH AS REQ'D FOR 11/2" MIN. EMBEDMENT, OR- 14" OR- 14" OR PAWL-SPLICE OR OLYMPIC FLUTTED NAIL AT THE SAME SPACING AS NOTED ABOVE, LENGTH AS REQ'D FOR 4" MIN, EMBEDMENT,
- CONCRETE BLOCK (CMU): 36" & SELF-TAPPING MASONRY ST. STL. SCREWS AT 12" O.C. MAX., LENGTH AS REQ'D FOR 134" MIN, EMBEDMENT, -OR- 36" HEAVY DUTY SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 18" O.C., LENGTH AS REQ'D FOR 2" MIN. EMBEDMENT, COUNTERSINK HEADS AS REQ'D.
- BRICK: 14" & SELF-TAPPING MASONRY SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. IN THE FIELD, LENGTH ASREQ'D FOR 1/2" MIN, EMBEDMENT,-OR- 14" RAWL-SPLICE OR OLYMPIC FLUTTED NAIL AT THE SAME SPACING AS NOTED ABOVE, LENGTH AS REQ'D FOR 14" MIN, EMBEDMENT,
- 4. STRUCTURAL STEEL: #10+ SELF-DRILLING, SELF-TAPPING SCREWS WITH "WINGS" @ 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,
- METAL DECK: #100 SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX. (AT EDGES), AND 16" O.C. MAX. IN THE FIELD, LENGTH AS REQ'D FOR 1/2" MIN. PENETRATION THROUGH UNDERSIDE OF DECK.

- LIGHT GAGE METAL FRAMING: #100 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 15" MIN, PENETRATION THROUGH FRAMING, FRAMING TO BE SPACED AT 24" O.C. MAX., UNLESS NOTED OTHERWISE BY DETAILS.
- WOOD FRAMING: #100 SELF-TAPPING "DECK" SCREWS AT 12" O.C. MAX. ALONG EACH FRAMING MEMBER, LENGTH AS REQ'D FOR 1½" MIN, EMBEDMENT -OR- 8d ANNULAR RING NAILS AT 6" O.C. MAX. (AT EDGES) & 1 2" O.C. MAX, IN FIELD, DECREASE SPACING AT EDGES # RAKE ZONES TO 4" O.C. MAX. AT EDGES, # 8" O.C. MAX, IN FIELD,

D. METAL DECK:

INSTALL AND SECURE PER STEEL JOIST INSTITUTE (SJI) GUIDELINES, SEE SPECS OR STRUCTURAL DETAILS FOR

E, MINOR STRUCTURAL STEEL:

ABBREVIATIONS:

ANOD

BLK

BD

BLDG

BUR

CB

CLG

COL

COMP

CONC

CMU

CONST

CONT

DEMO

DET

DIA

DIM

DWG

ELEC

EQUIP

EXIST

EXH

EXP

EXT

FIN

FLASH

FLEX

FTG

FDN

GALY

HYAC

HORZ

INCL

INSUL

INT

DIAG

CTR

C.F.

APPROX

ADJACENT

ALTERNATE

ALUMINUM

ANODIZED

APPROXIMATE

BITUMEINOUS

BLOCK

BOARD

CEILING

COLUMN

CENTER

DETAIL

DIAGONAL

DIAMETER

DIMENSION

DRAWING

ELECTRIC(AL.

ELEVATION

EQUIPMENT

EXHAUST

EXISTING

EXTERIOR

FINSH (ED)

FLASHING

FELXIBLE

FOUNDATION

GALVANIZED

HORIZONTAL

INTERIOR

JOINT

INCLUDE(D), (ING)

INSULATE(D), (ION)

HEATING/VENTILATION/AIR CONDITIONING

FOOTING

GAUGE

EXPANSION

EQUAL

CONCRETE

CONSRUCTION

CUBIC FOOT

BUILDING

CATCH BASIN

ARCHITECT(URAL)

BUILT UP ROOFING

COMPRESS (ED), (ION), (IBLE)

CONCRETE MASONRY UNIT

CONTINUOUS OR CONTINUE

DEMOLISH, DEMOLITION

AIR CONDITIONING

- ANCHORAGE OF LOAD BEARING STEEL AND LARGE STEEL FABRICATIONS, (SUCH AS LADDERS), IS TO BE AS DEFINED BY THE STRUCTURAL ENGINEERING DRAWINGS, OR AS ENGINEERED BY THE SUPPLIER. MINOR STRUCTURAL STEEL WOULD BE CONSIDERED ITEMS SUCH AS SUPPORT STANDS, WALL LEDGER ANGLES, ETC.
- CONCRETE: 36"4 HEAVY-DUTY, SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 16" O.C., LENGTH AS REQ'D FOR 2" MIN, EMBEDMENT,
- CONCRETE BLOCK (CMU): %" HEAVY-DUTY, SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 16" O.C., LENGTH AS REQ'D FOR 2" MIN, EMBEDMENT, IF CMU IS HOLLOW, BREAK INTO BLOCK ABOYE, AND FILL CELL OF BLOCK TO RECEIVE ANCHOR SOLID, PERFORM ANY REPAIR AND PATCHING NECESSARY
- BRICK: %" HEAVY-DUTY, SLEEVE STYLE EXPANSION BOLT ANCHOR (RAWL-BOLT) @ 16" O.C., LENGTH AS REQ'D FOR 2" MIN, EMBEDMENT,
- STRUCTURAL STEEL: 140 SELF-DRILLING, SELF-TAPPING SCREW @ 16" O.C., LENGTH AS REQUIRED FOR 12" 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 FOR ADDITIONAL INFORMATION,

G, ROOF MEMBRANE SYSTEM:

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

H, FLANGED SHEETMETAL (EDGE METAL):

- WOOD BLOCKING: #120 x 1/2" ANNULAR RING ST. SLT. ROOFING NAILS AT 4" O.C. MAX., STAGGERED IN 2 ROWS AT 34"+ FROM EDGES OF FLANGE,
- LIGHTGAGE METAL: #120 SELF TAPPING, STAINLESS STEEL, FLAT OR WAFER HEAD SCREWS AT 12" O.C. MAX.
- CONCRETE: 4"+ x 1½"ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER @ 12" O.C., MAX, WITH STAINLESS STEEL DRIVE PIN.

I. CLEATS FOR SHEET METAL:

- WOOD BLOCKING: #120 x 1/2" ANNULAR RING STAINLESS STEEL ROOFING NAILS AT 8" O.C. MAX., (4" O.C. AT CORNER ZONES OF ROOF)
- LIGHT GAGE METAL: #120 SELF TAPPING, STAINLESS STEEL, FLAT OR WAFER HEAD SCREWS AT 12" O.C. MAX.
- CONCRETE: 4" * x ½" ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER @ 12" O.C., MAX. WITH STAINLESS STEEL DRIVE PIN,
- CONCRETE BLOCK: 14" + x 1/2" ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER @ 12" O.C., MAX, WITH STAINLESS STEEL DRIVE PIN.
- BRICK: 以"+ x ½" ZAMAC "NAIL-IN" DRIVE PIN, EXPANSION TYPE FASTENER @ 12" O.C., MAX, WITH STAINLESS STEEL DRIVE PIN.

LIGHTWEIGHT

MECHANIC(AL)

MISCELLANEOUS

NOT IN CONTRACT

OUTSIDE DIAMETER/DIM

POLYVINYL CHLORIDE

PRECAST CONCRETE

PRESSURE TREATED

RAINWATER LEADER

POUNDS PER SQUARE FEET

POUNDS PER SQUARE INCH

NOT TO SCALE

ON CENTER(S)

MOUNTED(ING)

MAXIMUM

MINIMUM

NOMINAL

NUMBER

OPENING

OPPOSITE

PAINT(ED)

PLYWOOD

PAIR

PLATE

RADIUS

REFERENCE

ROOF DRAIN

ROUGH OPENING

SPECIFICATION(S)

STAINLESS STEEL

UNLESS OTHERWISE NOTED

WELDED WIRE FABRIC

REVISION

SCHEDULE

SIMILAR

SPEAKER

SQUARE

SQUARE FEET

STANDARD

STRUCTURAL

YERTICAL

WITH

WITHOUT

WOOD

SOUTH

SHEET

NORTH

METAL

MECH

MTL

MISC

MTD

NOM

NO

oc

OPG

OPP

OD

PTD

PWD

PYC

PSF

PSI

PC

RAD

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W/O

PR

MANUFACTURE(ER)

J. APPLIED SHEETMETAL (COUNTERFLASHING, TERMINATION

- WOOD BLOCKING: 12" & SELF-TAPPING, STAINLESS STEEL SCREWS AT 8" O.C. MAX., LENGTH AS REQ'D
- CONCRETE: 14" + SELF-TAPPING STAINLESS STEEL MASONRY SCREWS AT 8" O.C. MAX, LENGTH AS REQUIRED FOR 4" MIN, EMBEDMENT, -OR- 4" x 1/2" ZAMAC "NAILIN" DRIVE PIN, EXPANSION TYPE FASTENERS @ 8" O.C. MAX., WITH STAINLESS STEEL DRIVE PIN, IF EXPOSED TO THE WEATHER PROVDE METAL BACKED NEOPRENE SEALING WASHERS-INCREASE LENGTH IF REQ'D BY OVERLYING FINISH FOR 12" MIN, EMBEDMENT INTO CONCRETE (BLOCK),
- CONCRETE BLOCK: 14" & SELF-TAPPING STAINLESS REQUIRED FOR 1/2" MIN, EMBEDMENT, -OR- 4" * x /2" 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
- BRICK: 4" & SELF-TAPPING STAINLESS STEEL MASONRY SCREWS AT 8" O.C. MAX, LENGTH AS REQUIRED FOR 14" MIN, EMBEDMENT, -OR- 4" * X 14" ZAMAC "NAILIN" DRIVE PIN, EXPANSION TYPE FASTENERS @ 8" O.C. MAX., WITH STAINLESS STEEL DRIVE PIN, IF EXPOSED TO THE WEATHER PROVDE METAL BACKED NEOPRENE SEALING WASHERS.

- FOR 1½" MIN, EMBEDMENT INTO WOOD, IF EXPOSED TO THE WEATHER PROVIDE METAL BACKED NEOPORENE SEALING WASHERS OR USE "SCOTS" TYPE SCREW WITH INTEGRAL SEALING WASHER,
- SHEETMETAL BACKING: 12" & SELF-TAPPING STAINLESS STEEL SCREWS AT 8" O.C. MAX., LENGTH AS REQ'D FOR 12" MIN, PENETRATION OF THREADS THROUGH STEEL, IF EXPOSED TO THE WEATHER PROVIDE METAL BACKED NEOPORENE SEALING WASHERS OR USE "SCOTS" TYPE SCREW WITH INTEGRAL SEALING WASHER.
- STEEL MASONRY SCREWS AT 8" O.C. MAX, LENGTH AS FOR 1/2" MIN, EMBEDMENT INTO CONCRETE (BLOCK)

GENERAL NOTES:

- THE DIMENSIONS SHOWN ON THE ROOF 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 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 60 THAT THE DIMENSIONS UTILIZED IN BIDDING THE PROJECT WILL BE THOSE DIMENSIONS TAKEN, CONFIRMED OR CORRECTED BY THE BIDDER, CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS, AND EQUIPMENT NOTED AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES
- THE REROOFING PLAN IS GENERAL IN NATURE AND INDICATES APPROXIMATE EXISTING CONDITIONS AT THE PROJECT SITE, ALL BUILDINGS 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, AND VERIFICATION OF GENERAL CONFORMANCE WITH THE FLORIDA
- BUILDING CODE, PRIOR TO THE START OF ANY WORK, THE CONTRACTOR WITH THE PROJECT ARCHITECT AND OWNER'S REPRESENTATIVE SHALL VISIT THE SITE AND VIDEO TAPE THE ROOF AND ALL SPACES UNDERNEATH THAT MAY BE AFFECTED BY THIS ROOFING PROJECT IN ORDER TO DETERMINE THE CONTRACTOR'S RESPONSIBILITY IN KEEPING THOSE ITEMS IN THEIR CURRENT STATUS, SPECIAL ATTENTION SHALL BE GIVEN TO CEILING TILES, EXISTING LIGHT FIXTURES, EXTERIOR AND INTERIOR WALL FINISHES, AND SIDEWALKS, ETC. PARTICULARLY IN THOSE AREAS WHERE EXISTING LEAKS ARE PRESENT, BELOW EXPANSION JOINTS AND
- IN THE EVENT OF WATER DAMAGE TO THE INTERIOR OF STRUCTURES, A DAMAGE REPORT, WITH PHOTOGRAPHS SHALL BE COMPLETED BY THE PROJECT ARCHITECT. THE REPORT SHALL BE SUBMITTED
- CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, REINSTALL, OR REPLACE ALL CEILING PANELS AND/OR CEILING GRIDS WHICH MAY HAVE BEEN DISTURBED OR DAMAGED IN THE CONSTRUCTION
- 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,
- ATTENTION OF THE ARCHITECT IN WRITING FOR PROPER COORDINATION, VERIFY LOCATIONS OF ALL ROOFTOP EQUIPMENT AND ROOF PENETRATIONS SO AS TO AVOID CONFLICT
- WITH WALLS, ROOF EDGES, AND OTHER PENETRATIONS. RELOCATE ANY SUCH EQUIPMENT OR ROOF PENETRATIONS A MINIMUM OF TWO FEET AWAY FROM OTHER ROOFTOP EQUIPMENT, WALLS, ROOF EDGES OR OTHER PENETRATIONS SO AS TO ELIMINATE THIS CONFLICT. CONTRACTOR SHALL NOT USE ANY HEAVY MACHINERY ON THE ROOF (BOBCATS, ETC.)
- ABANDONED, SUCH AS PITCH PANS, SMALL CONDUITS, MEMBRANE VENTS, ETC. NOT ALL OF THESE ARE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL YERIFY THOSE CONDITIONS PRIOR TO BIDDING, VERIFY PRECISE LOCATIONS OF EXPANSION JOINTS SHOWN ON THE ROOF PLANS AND ALSO LOCATIONS OF
- THE ROOF DECK PRIOR TO CONSTRUCTING THE EXPANSION JOINT CURBS, COORDINATE ANY NEW DETAILS REFERENCED ON THE CONTRACT DRAWINGS ARE "TYPICAL" AND ARE NOT CUT AT EVERY
- PERIMETER EDGE METAL MAY VARY IN DIMENSIONAL REQUIREMENTS, VERIFY BLOCKING REQUIREMENTS IN EACH ROOF AREA PRIOR TO BIDDING. SHEET METAL DETAILS AND TRANSITIONS NOT SHOWN SHALL BE REQUIRED AS IF SHOWN, PREPARE, AND
- CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTAL MATERIALS REQUIRED TO PROPERLY INSTALL,
- AT REROOFING OF EXISTING "FLAT" ROOFS, THE PLANS INDICATE MINIMUM FINISHED ROOF SLOPES TO BE PROVIDED. CONTRACTOR IS TO PERFORM ANY REMEDIAL WORK REQUIRED TO ELIMINATE ANY PONDING
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY PIPE PENETRATIONS, ROOFING CURBS, AND OTHER MISCELLANEOUS MATERIALS FOR COMPLETE AND FINISHED INSTALLATION.
- METAL WORK SHALL BE SECURED WITH FASTENERS AND/OR STAINLESS STEEL CABLE HOLD-DOWNS TO SAFELY RESIST WIND FORCES AS DESCRIBED BY THE FLORIDA BUILDING CODE DATA INCLUDED IN THESE
- RECOMMENDATIONS. 20. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAINTING / FINISHING OF ALL SURFACES EXPOSED OR DAMAGED AS A RESULT OF ROOFING REPLACEMENT, WORK NOT COVERED BY NEWLY

PRIOR TO PROCEEDING WITH THE WORK,

- TO THE OWNER AND THE CONTRACTOR FOR THEIR RECORDS.
- ANY EQUIPMENT, VENTS, CURBS, ETC. FOUND UNDER EXISTING ROOF ARE TO BE BROUGHT TO THE
- REMOVE AND INFILL AS NECESSARY ANY, AND ALL, SMALL ROOF PENETRATIONS WHICH HAVE BEEN DECK CHANGES FROM THE UNDERSIDE OF DECK, TRANSFER LOCATION OF THESE JOINTS TO THE TOP OF
- LOCATION WHERE THE CONDITION OCCURS, BID AND EXECUTE A COMPLETE PROJECT AS IF DETAILS WERE CUT" AT EVERY LOCATION WHERE SUCH CONDITION OR SIMILAR CONDITION OCCURS,
- SUBMIT SHOP DRAWINGS OF THESE REQUIREMENTS TO THE ARCHITECT FOR APPROVAL PRIOR TO SHOP
- SUPPORT AND BRACE ALL ITEMS AND COMPONENTS WITHIN THE WORK.
- ALL NEW AND EXISTING ROOF MOUNTED EQUIPMENT, CURBS, PIPE SUPPORTS, WOODWORK AND SHEET
- PROVIDE WALKWAY PADS AROUND, BUT NOT LIMITED TO, COOLING TOWERS, ROOF HATCHES, ROOF LADDERS AND ANY EQUIPMENT REQUIRING PERIODIC MAINTENANCE, WALKWAY PADS SHALL EXTEND 30" BEYOND ALL EQUIPMENT AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S
- INSTALLED WORK, REPAIRS AND FINISHES SHALL MATCH EXISTING ADJACENT CONDITIONS TO REMAIN UNCHANGED,



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JAMES W. RIPLEY AR-0012758 JOSEPH J. WILLIAMS AR-000768

REVISIONS DATE BY:

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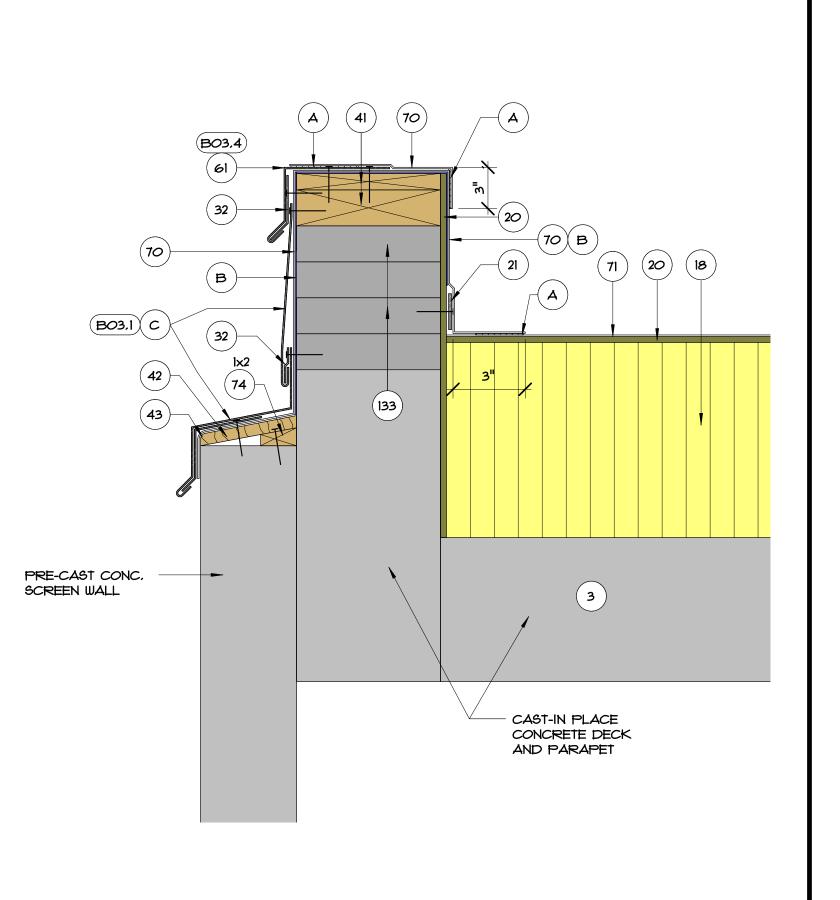
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JOB NO.: 18052.00 DRAWN BY:

DESIGNED BY: TG CHECKED BY: JW

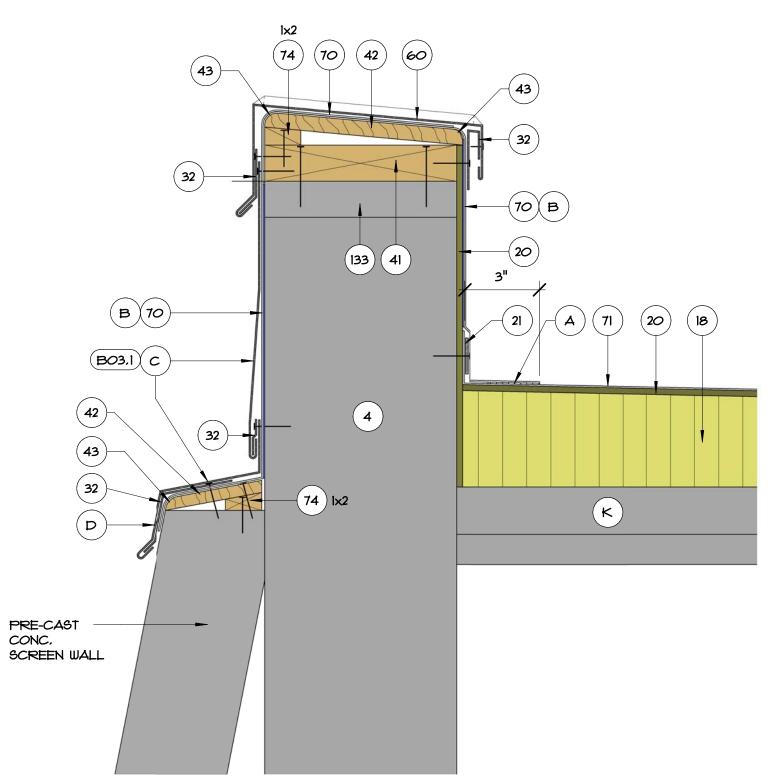
4 OF **10** SHEET(S)

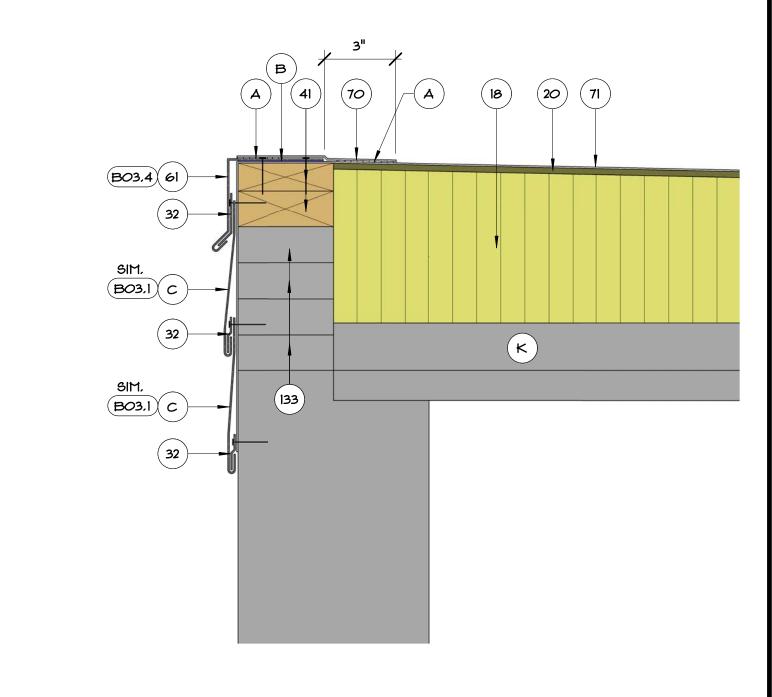
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70 B

(3)





B02 .3 EDGE FLASHING CONDITION AT ROOF AREA B $\frac{1}{3} = 1-0$

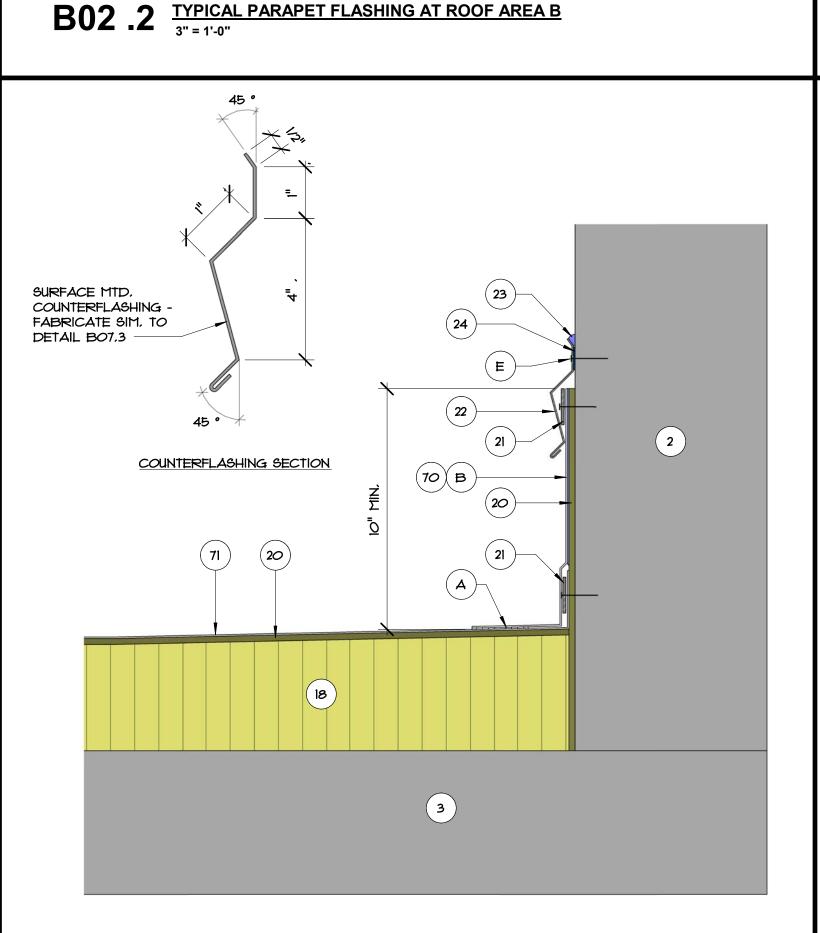
B02.1 TYPICAL PARAPET FLASHING AT ROOF AREA A 3'' = 1'-0''

EXIST, PRECAST

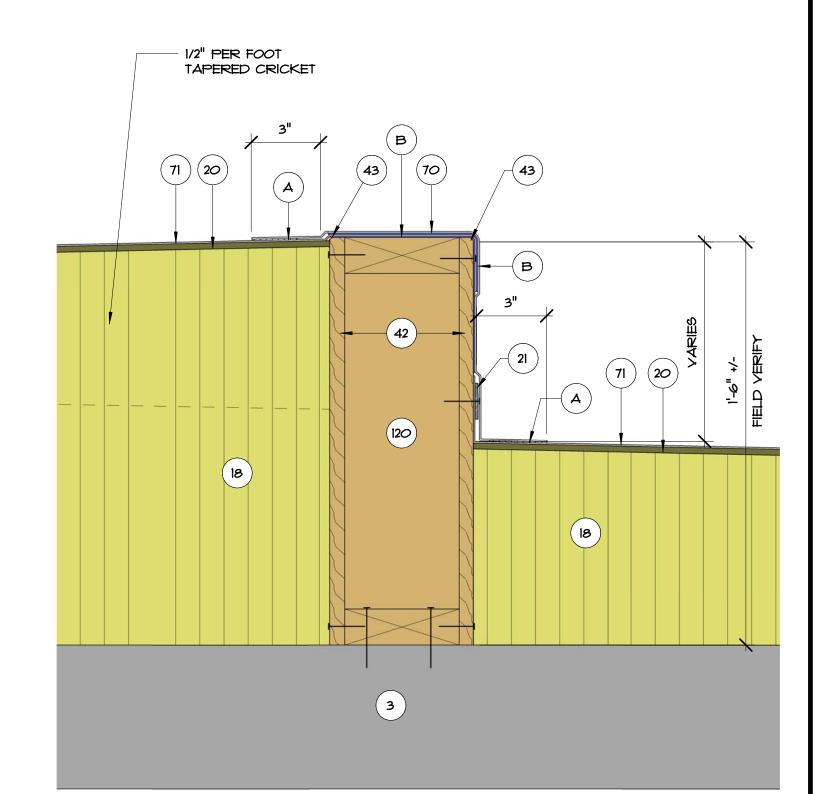
CONC, CANTILEYER

SUPPORT AND

SOFFIT PANELING



B02 .5 BASE FLASHING AT ENCLOSURE WALL/COLUMN
3" = 1'-0"



B02 .6 NEW AREA DIVIDER CURB FLASHING DETAIL
3" = 1'-0"

TYP. DETAIL NOTES:

- 2. EXISTING WALL
 - EXISTING STRUCTURAL CONCRETE DECK
- 4, EXIST, PARAPET
 - EXIST, CURB TO REMAIN
- 10. EXISTING CURB TO REMAIN
- TAPERED RIGID INSULATION
- 20. 1/4" GYPSUM COVER BOARD SURFACE APPLIED TERMINATION BAR - FASTEN MIN. @ 8" O.C.
- 22. SURFACE MOUNTED COUNTERFLASHING SIM. TO DETAIL BO7.3
- 23. SEALANT
- 32. CONTINUOUS CLEAT 38. OVERFLOW SCUPPER - SEE REFERENCED DETAIL
- 40. EXISTING VENT STACK ADD EXTENSION AS NEEDED TO
- ACHIEVE FLASHING HEIGHT
- 41. P.T. WOOD BLOCKING TO BE FASTENED AT 12" O.C. MAX, AND STAGGER - COUNTERSINK HEADS
- 42. 5/8" PLYWOOD SCREW FASTEN @ 8" O.C. (MAX) TOP & BOTTOM
- # STAGGERED COUNTERSINK HEADS
- 43. ROUND OFF THIS EDGE 44. NEW ROOF DRAIN AND ACCESSORIES
- 45. EXISTING STRUCTURE 48, CREATE 3/4"/FT, SLOPED SUMP W/ TAPERED RIGID INSULATION -
- 2'-O" FROM CENTER EACH WAY
- 60. PARAPET CAP SEE DETAIL BO3.1
- NEW EDGE METAL SEE DETAIL BO3.4
- 70. FLEXIBLE SHEET FLASHING FLEXIBLE SHEET MEMBRANE
- 74. IX2 WD, SHIM SCREW FASTEN AT 12" O.C. STAGGERED
- COUNTERSINK SCREWHEADS. 101. PRE-FABRICATED METAL CURB. FASTEN TO EXIST, DECK AS INDICATED PER SCHEDULE - SEE DETAIL BO7.1
- 102. EXIST, METAL WALL PANEL TO REMAIN
- NEW 3" WIDE RETAINER CLEAT @ 18" O.C. MAX, W/ 2 FASTENERS MIN, - BEND UP IN FIELD TO SECURE COUNTERFLASHING
- 114. WRAP ROOF LEADER PIPE & PACK UNDER DRAIN W NON-COMBUSTIBLE INSULATION
- 120. NEW WOOD CURB FROM 2X4'S AT 16" O.C.
- 133. EXISTING WOOD BLOCKING TO REMAIN, REPLACE WHERE DAMAGED OR DETERIORATED
- A, HEAT WELD MANUFACTURER'S APPROVED ADHESIVE
- SKIRT & CAP METAL 0.040" PRE-FINISHED ALUM, NEW 1/4" DIA, imes 1.5" STAINLESS STEEL SCREWS NEOPRENE
- WASHERS AT 8" O.C. (MIN. 2 FASTENERS EACH SIDE). STAINLESS STEEL SCREWS WITH METAL BACKED NEOPRENE
- TWO-PIECE COUNTERFLAGHING & RECEIVER SEE DETAIL BOT.3.
- SECURE RECEIVER BENEATH METAL PANEL NO-HUB CONNECTOR WITH ST. STL. DRAW BANDS - TIGHTEN AS
- NEEDED FOR SECURE ATTACHMENT
- UNDER-DECK CLAMPING RING FASTENER WITH STRESS PLATES
- EXISTING LT. WT. INSULATING CONC. OVER METAL DECK
- PREFORMED STACK FLASHING
- M. ST. STL. DRAW BAND
- N. 2" WIDE 24 GA ST. STL. RAIN CAP FRICTION FIT AND "POP" RIVET IN PLACE
- MFR'S, STANDARD ADJUSTIBLE HEIGHT COLLAR ANCHOR TO DECK W/ FOUR (4) 1/4" DIA, \times 2 1/4" SCREWS
- NEW 2"x2"x3/16" SUPPORT ANGLE BETWEEN JOISTS EACH SIDE OF
- DRAIN OR CURB
- NEW STRAINER CAP AND CLAMPING RING SAW-CUT OPENING THRU PARAPET WALL - CREATE OPENING FOR A NEW 4" X 12" OVERFLOW SCUPPER

Associates Incorporated

Architecture Roof Consulting Construction Technology

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JAMES W. RIPLEY AR-0012758 JOSEPH J. WILLIAMS AR-0007684 REVISIONS DATE BY:

Opportunity BUILDING of Economic WARREN

32202

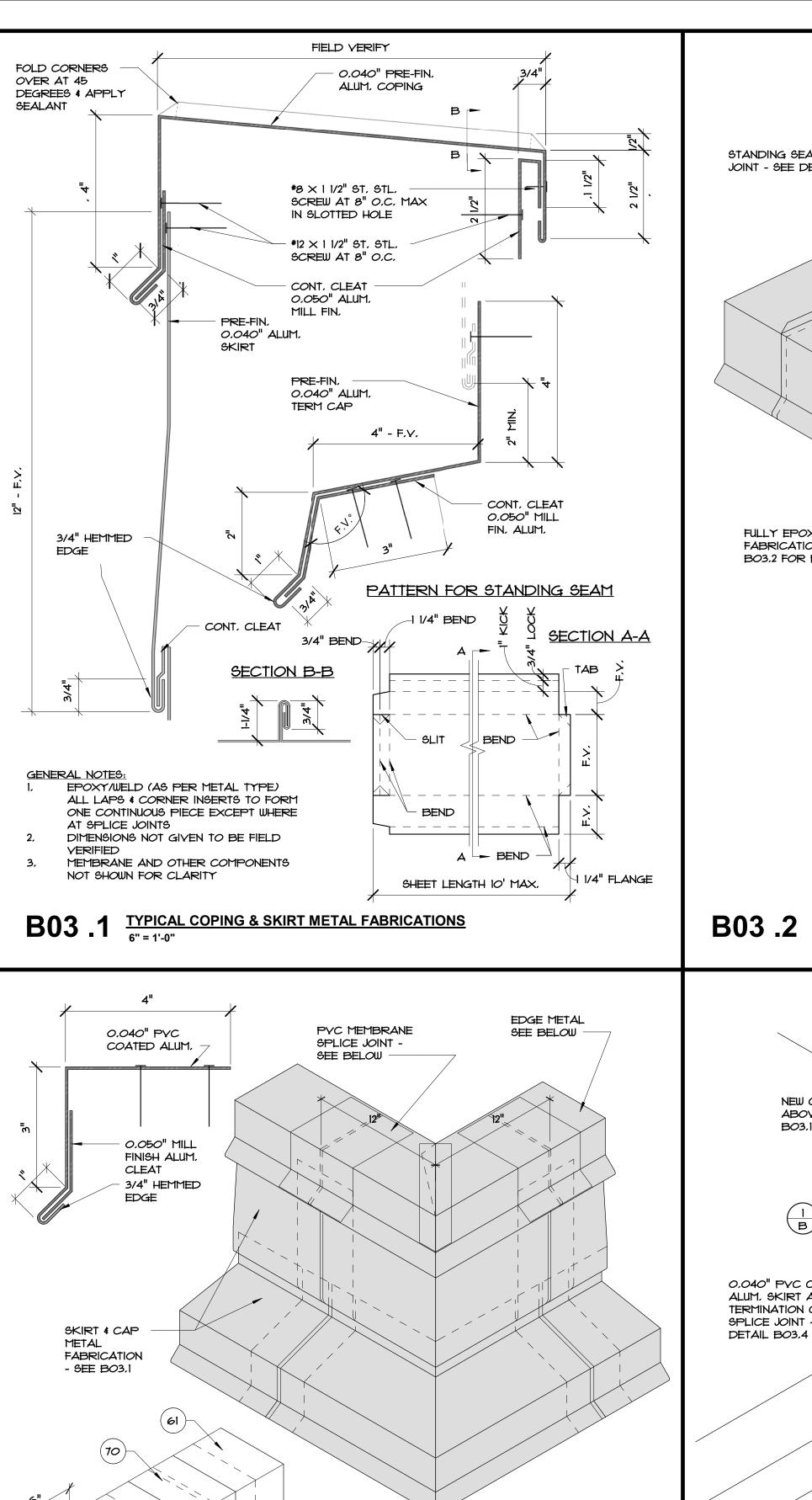
Roof Replacement and Designated Repairs for the:

AND BASE FLASHING

Florida 18052.00 DRAWN BY: DESIGNED BY: Designer

CHECKED BY: Checker

DETAILS SHEET NO.: **5** OF **10** SHEET(S)



CLEAT

SPLICE JOINT

EPOXY/WELD (AS PER METAL TYPE)

DIMENSIONS NOT GIVEN TO BE FIELD

MEMBRANE AND OTHER COMPONENTS

ALL LAPS & CORNER INSERTS TO FORM

ONE CONTINUOUS PIECE EXCEPT WHERE

6" = 1'-0"

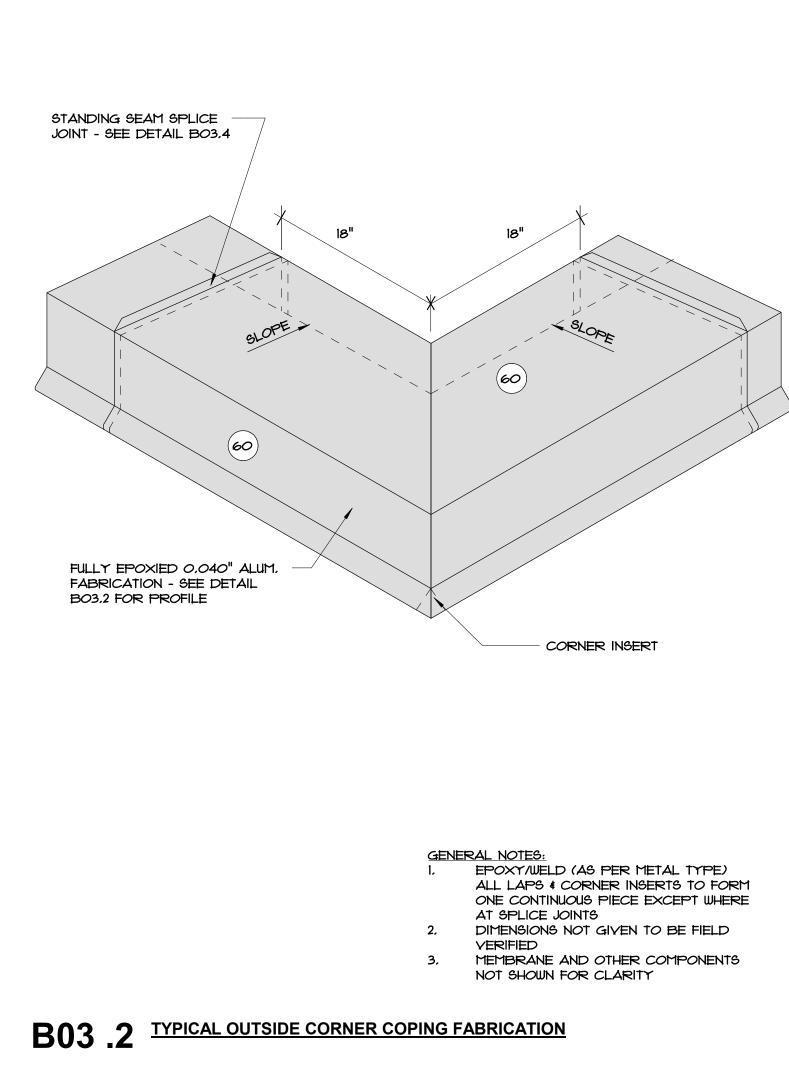
NOT SHOWN FOR CLARITY

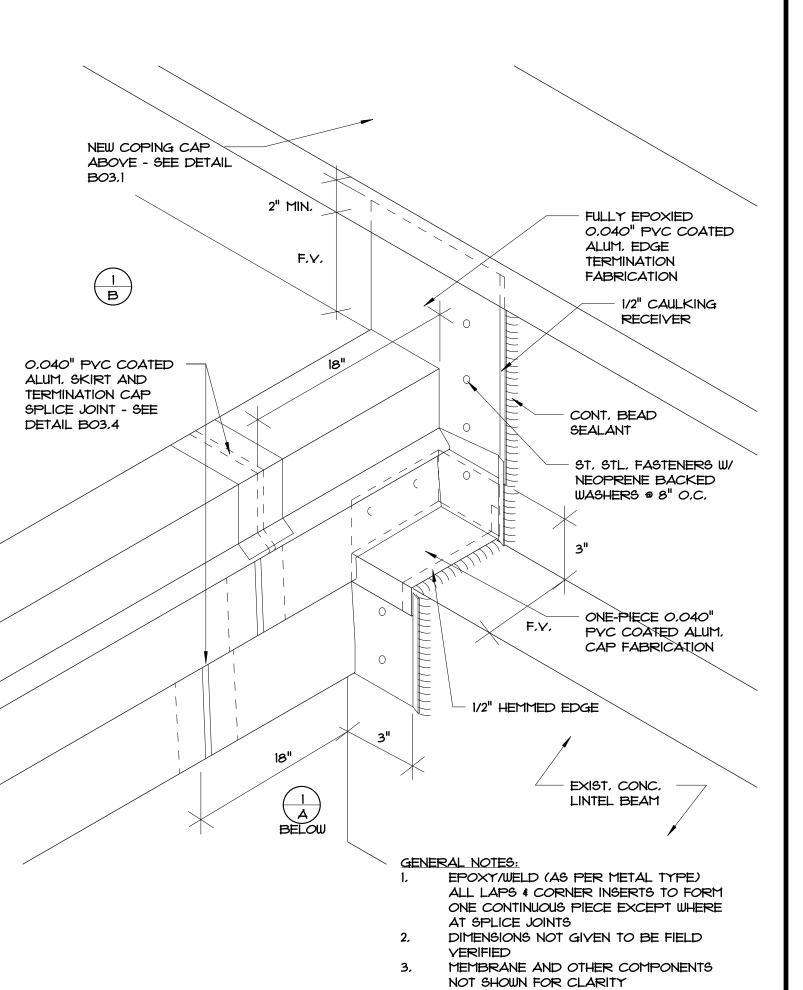
AT SPLICE JOINTS

CLEAT @ 10'

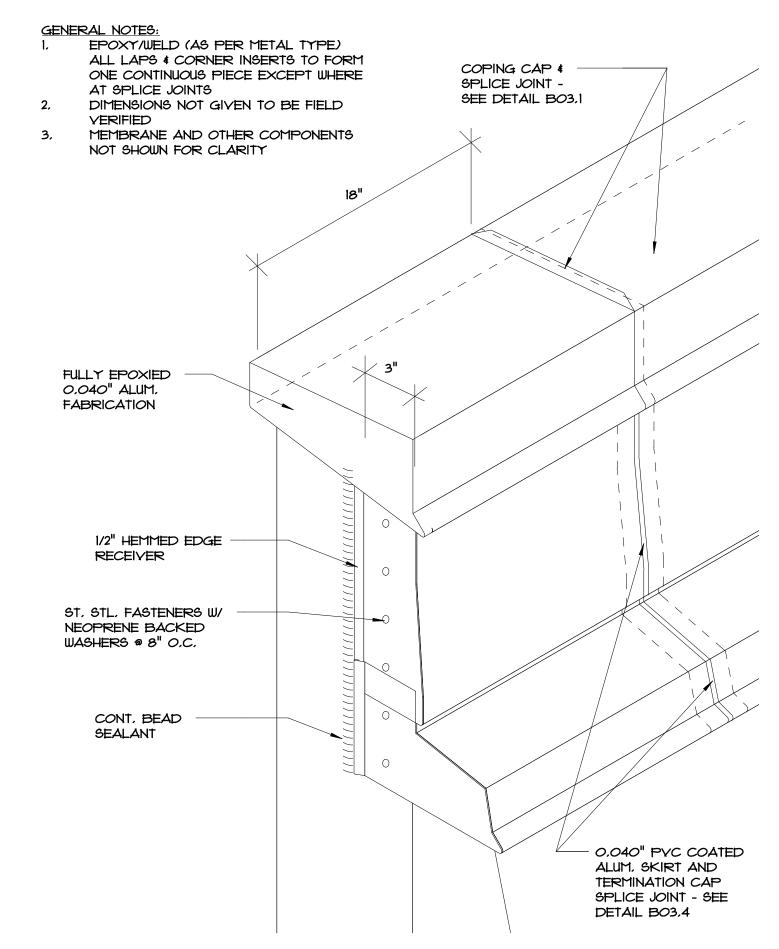
OUTSIDE CORNER, EDGE METAL FABRICATION & SPLICE JT. DETAIL

O.C. MAX.

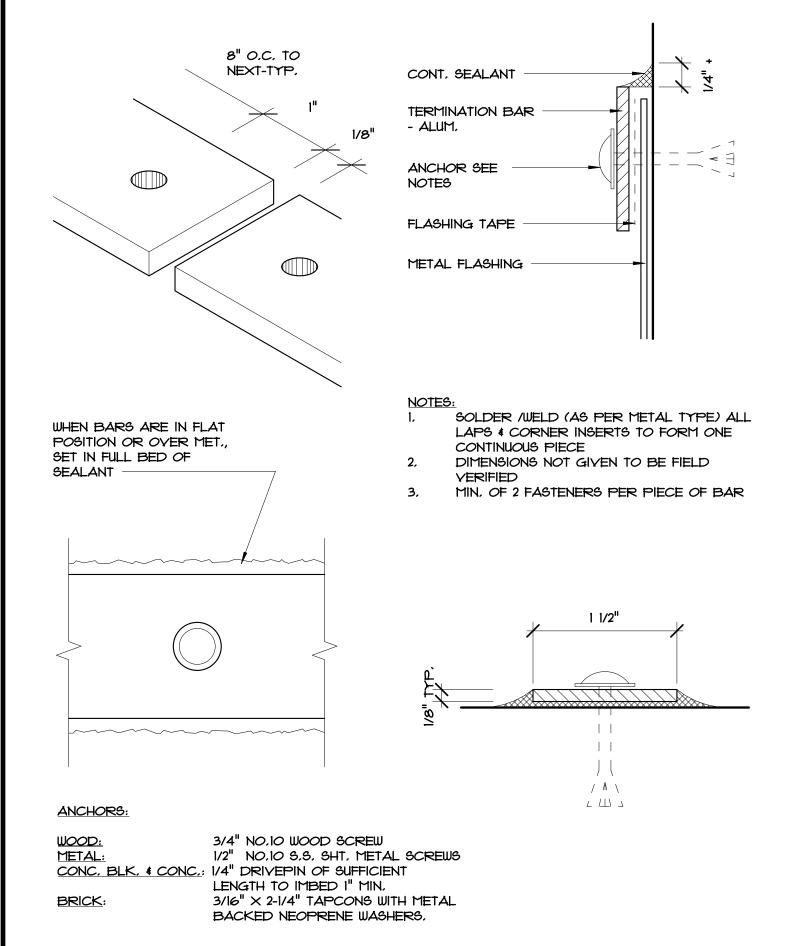




EDGE METAL TERMINATION AND FABRICATION AT WALL



B03.3 COPING CAP TERMINATION FABRICATION DETAIL



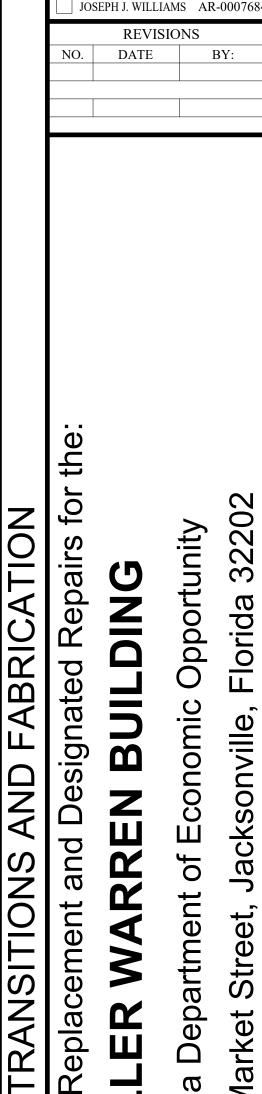
B03.6 TYPICAL TERMINATION BAR

TYP. DETAIL NOTES:

- 2. EXISTING WALL
- EXISTING STRUCTURAL CONCRETE DECK
- 4, EXIST, PARAPET
- EXIST, CURB TO REMAIN
- 10. EXISTING CURB TO REMAIN
- TAPERED RIGID INSULATION
- 20. 1/4" GYPSUM COVER BOARD SURFACE APPLIED TERMINATION BAR - FASTEN MIN, @ 8" O.C.
- SURFACE MOUNTED COUNTERFLASHING SIM, TO DETAIL BO7.3
- 23. SEALANT 32. CONTINUOUS CLEAT
- 38. OVERFLOW SCUPPER SEE REFERENCED DETAIL
- 40. EXISTING VENT STACK ADD EXTENSION AS NEEDED TO ACHIEVE FLASHING HEIGHT
- 41. P.T. WOOD BLOCKING TO BE FASTENED AT 12" O.C. MAX. AND
- STAGGER COUNTERSINK HEADS 42. 5/8" PLYWOOD - SCREW FASTEN @ 8" O.C. (MAX) TOP & BOTTOM
- # STAGGERED COUNTERSINK HEADS
- 43. ROUND OFF THIS EDGE 44. NEW ROOF DRAIN AND ACCESSORIES
- 45, EXISTING STRUCTURE
- CREATE 3/4"/FT, SLOPED SUMP W/ TAPERED RIGID INSULATION -2'-O" FROM CENTER EACH WAY
- 60. PARAPET CAP SEE DETAIL BO3.1
- NEW EDGE METAL SEE DETAIL BO3.4
- 70. FLEXIBLE SHEET FLASHING FLEXIBLE SHEET MEMBRANE
- 74. IX2 WD, SHIM SCREW FASTEN AT 12" O.C. STAGGERED
- COUNTERSINK SCREWHEADS. 101. PRE-FABRICATED METAL CURB. FASTEN TO EXIST. DECK AS INDICATED PER SCHEDULE - SEE DETAIL BOT.1
- 102. EXIST, METAL WALL PANEL TO REMAIN NEW 3" WIDE RETAINER CLEAT @ 18" O.C. MAX, W/ 2 FASTENERS
- MIN. BEND UP IN FIELD TO SECURE COUNTERFLASHING
- 114, WRAP ROOF LEADER PIPE & PACK UNDER DRAIN W
- NON-COMBUSTIBLE INSULATION
- 120. NEW WOOD CURB FROM 2X4'S AT 16" O.C.
- 133. EXISTING WOOD BLOCKING TO REMAIN. REPLACE WHERE
- DAMAGED OR DETERIORATED
- HEAT WELLD MANUFACTURER'S APPROVED ADHESIVE
- SKIRT & CAP METAL 0.040" PRE-FINISHED ALUM,
- NEW 1/4" DIA, imes 1.5" STAINLESS STEEL SCREWS NEOPRENE
- WASHERS AT 8" O.C. (MIN. 2 FASTENERS EACH SIDE). STAINLESS STEEL SCREWS WITH METAL BACKED NEOPRENE
- TWO-PIECE COUNTERFLAGHING & RECEIVER SEE DETAIL BOT.3.
- SECURE RECEIVER BENEATH METAL PANEL NO-HUB CONNECTOR WITH ST. STL. DRAW BANDS - TIGHTEN AS
- NEEDED FOR SECURE ATTACHMENT
- UNDER-DECK CLAMPING RING
- FASTENER WITH STRESS PLATES EXISTING LT, WT, INSULATING CONC, OVER METAL DECK
- PREFORMED STACK FLASHING
- M. ST. STL. DRAW BAND
- N. 2" WIDE 24 GA ST. STL. RAIN CAP FRICTION FIT AND "POP" RIVET IN PLACE
- MFR'S, STANDARD ADJUSTIBLE HEIGHT COLLAR ANCHOR TO DECK W/ FOUR (4) 1/4" DIA, \times 2 1/4" SCREWS
- NEW 2"x2"x3/16" SUPPORT ANGLE BETWEEN JOISTS EACH SIDE OF

- NEW STRAINER CAP AND CLAMPING RING

SAW-CUT OPENING THRU PARAPET WALL - CREATE OPENING FOR A NEW 4" \times 12" OVERFLOW SCUPPER



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Roof Consulting

Construction Technology

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JAMES W. RIPLEY AR-0012758

BY:

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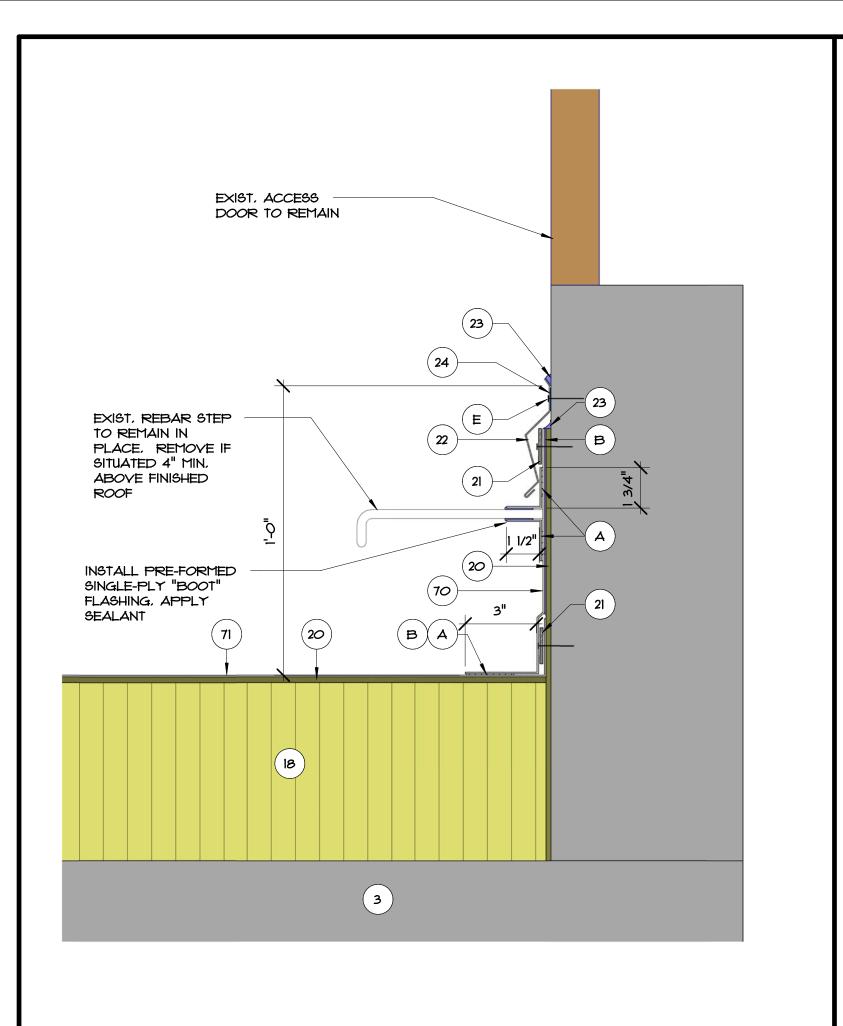
Repairs Designated Replacement and Roof JOB NO.:

DRAWN BY:

Florid

18052.00 DESIGNED BY: TG CHECKED BY: JW

SHEET NO.:



B04.1 TYPICAL SILL FLASHING AT OPENING DETAIL 3'' = 1'-0''

133

B04.4 ELEVATOR PENTHOUSE EDGE FLASHING DETAIL 3" = 1'-0"

(2)

EXIGT, COATED FASCIA METAL TO REMAIN, RESECURE AS REQ'D,

B04.2 TYPICAL CONDUIT SUPPORT STAND DETAIL

SECURE PIPING OR

ST. STL. THREADED

PHP 66-8C SUPPORT

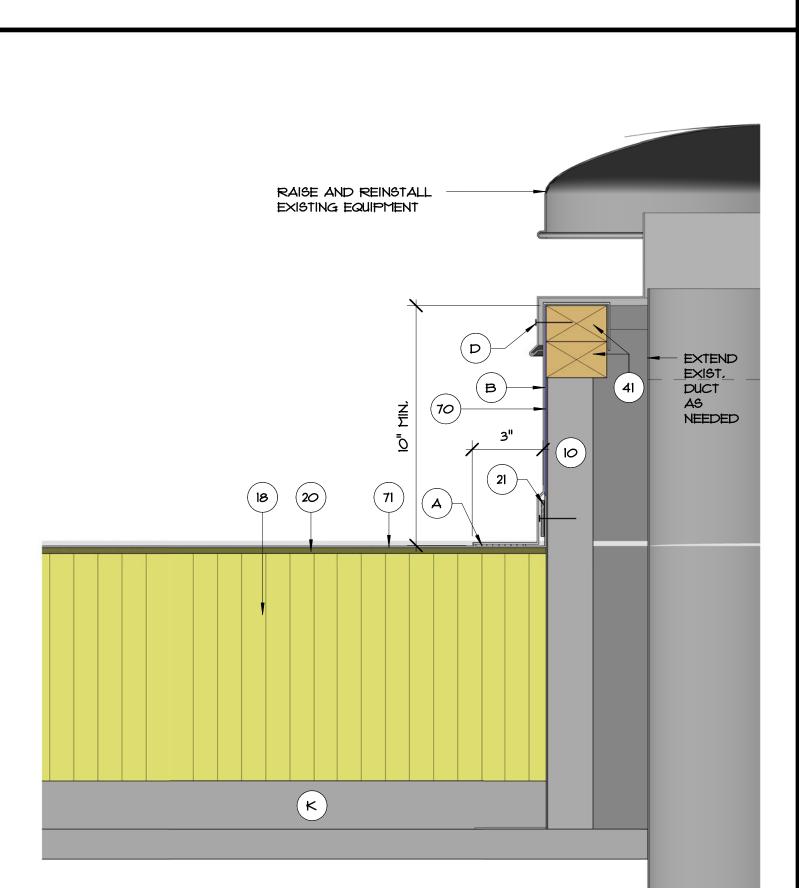
STAND SET IN FULL BED OF

ROD -

CONDUIT WITH ST. STL.

PIPE CLAMP TO UNISTRUT

ALUM, UNISTRUT



SINGLE-PLY

MEMBRANE

INSTALL AT 4'-O" O.C. MAX. OR

WHICHEVER IS MORE STRINGENT

ADDITIONAL SINGLE-PLY

MEMBRANE LAYER FULLY

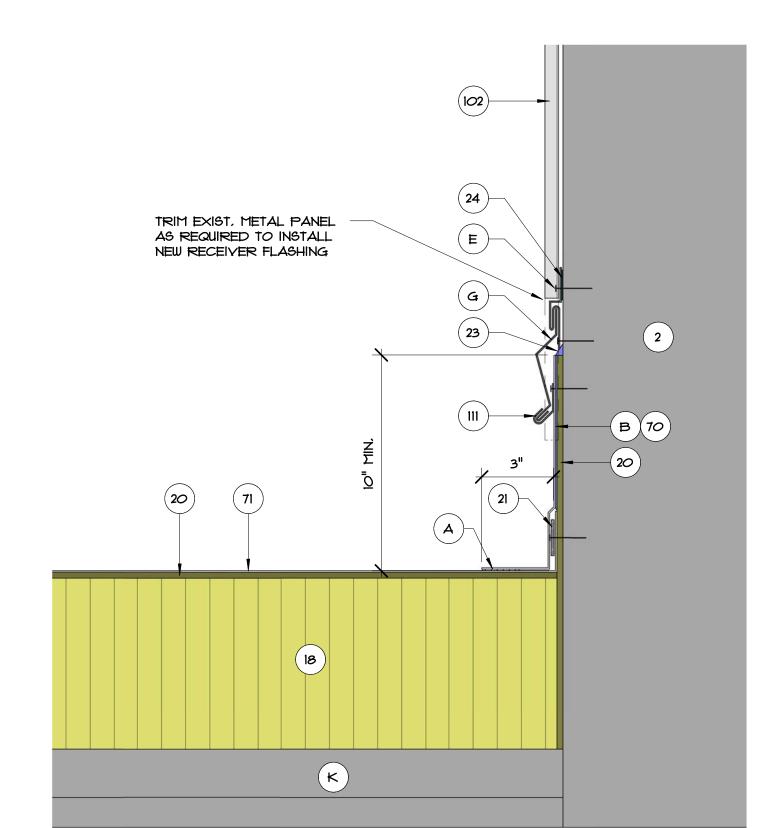
ADHERED TO CAP SHEET

APPROVED ADHESIVE/HEAT

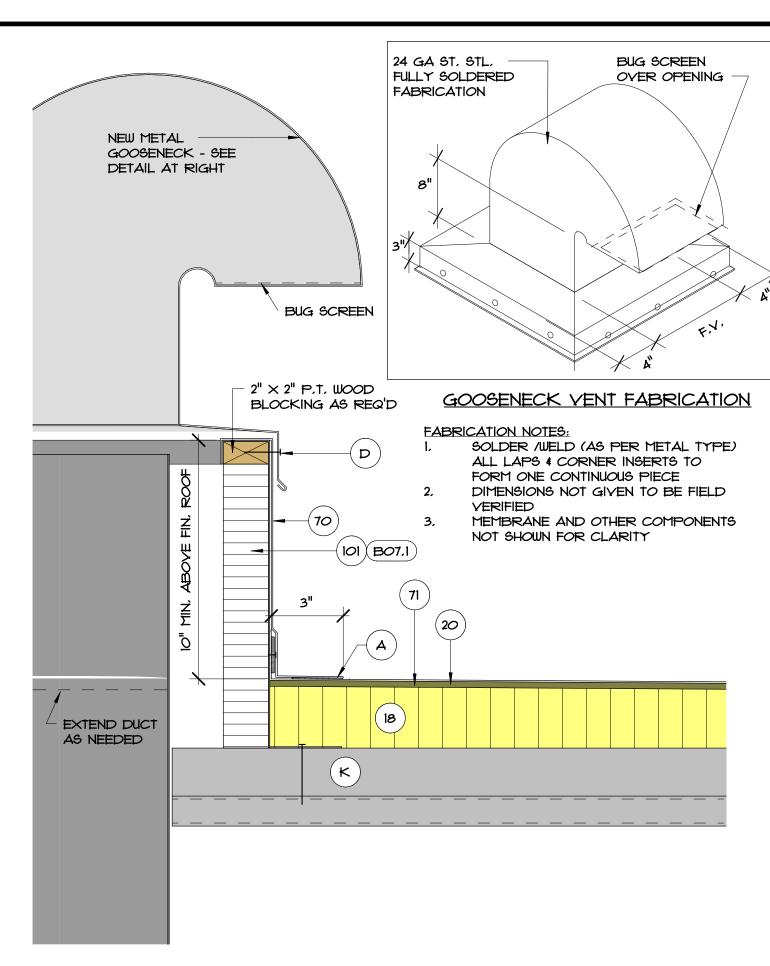
WITH MANUFACTURER

AS REQUIRED BY CODE,

B04.5 SMALL MECHANICAL/GRAVITY VENT CURB FLASHING DETAIL
3" = 1'-0"



B04.3 ELEVATOR PENTHOUSE BASE FLASHING DETAIL 3" = 1'-0"



B04 .6 NEW GOOSENECK CURB AND VENT FLASHING DETAIL
3" = 1'-0"

TYP. DETAIL NOTES:

- 2. EXISTING WALL
 - EXISTING STRUCTURAL CONCRETE DECK
- 4, EXIST, PARAPET
- EXIST, CURB TO REMAIN
- 10. EXISTING CURB TO REMAIN TAPERED RIGID INSULATION
- 20. 1/4" GYPSUM COVER BOARD
- SURFACE APPLIED TERMINATION BAR FASTEN MIN. @ 8" O.C. 22. SURFACE MOUNTED COUNTERFLASHING - SIM, TO DETAIL BO7.3
- 23. SEALANT
- 32. CONTINUOUS CLEAT
- 38. OVERFLOW SCUPPER SEE REFERENCED DETAIL 40. EXISTING VENT STACK - ADD EXTENSION AS NEEDED TO ACHIEVE FLASHING HEIGHT
- 41. P.T. WOOD BLOCKING TO BE FASTENED AT 12" O.C. MAX. AND
- STAGGER COUNTERSINK HEADS
- 42. 5/8" PLYWOOD SCREW FASTEN @ 8" O.C. (MAX) TOP & BOTTOM
- # STAGGERED COUNTERSINK HEADS
- 43. ROUND OFF THIS EDGE 44. NEW ROOF DRAIN AND ACCESSORIES
- 45. EXISTING STRUCTURE CREATE 3/4"/FT, SLOPED SUMP W/ TAPERED RIGID INSULATION -
- 2'-O" FROM CENTER EACH WAY
- 60. PARAPET CAP SEE DETAIL BO3.1 NEW EDGE METAL - SEE DETAIL BO3.4
- 70. FLEXIBLE SHEET FLASHING
- FLEXIBLE SHEET MEMBRANE 74. IX2 WD, SHIM SCREW FASTEN AT 12" O.C. STAGGERED
- COUNTERSINK SCREWHEADS, 101. PRE-FABRICATED METAL CURB. FASTEN TO EXIST, DECK AS
- INDICATED PER SCHEDULE SEE DETAIL BO7.1 102, EXIST, METAL WALL PANEL TO REMAIN
- NEW 3" WIDE RETAINER CLEAT @ 18" O.C. MAX, W/ 2 FASTENERS MIN. - BEND UP IN FIELD TO SECURE COUNTERFLASHING
- 114. WRAP ROOF LEADER PIPE & PACK UNDER DRAIN W/ NON-COMBUSTIBLE INSULATION
- 120. NEW WOOD CURB FROM 2X4'S AT 16" O.C.
- 133. EXISTING WOOD BLOCKING TO REMAIN, REPLACE WHERE DAMAGED OR DETERIORATED
- HEAT WELD
- MANUFACTURER'S APPROVED ADHESIVE
- SKIRT & CAP METAL 0.040" PRE-FINISHED ALUM,
- NEW 1/4" DIA, imes 1.5" STAINLESS STEEL SCREWS NEOPRENE WASHERS AT 8" O.C. (MIN. 2 FASTENERS EACH SIDE).
- STAINLESS STEEL SCREWS WITH METAL BACKED NEOPRENE
- TWO-PIECE COUNTERFLASHING & RECEIVER SEE DETAIL BOT.3. SECURE RECEIVER BENEATH METAL PANEL
- NO-HUB CONNECTOR WITH ST. STL. DRAW BANDS TIGHTEN AS NEEDED FOR SECURE ATTACHMENT
- UNDER-DECK CLAMPING RING
- FASTENER WITH STRESS PLATES
- EXISTING LT. WT. INSULATING CONC. OVER METAL DECK
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- NEW 2"x2"x3/16" SUPPORT ANGLE BETWEEN JOISTS EACH SIDE OF
- NEW STRAINER CAP AND CLAMPING RING
- SAW-CUT OPENING THRU PARAPET WALL CREATE OPENING FOR A NEW 4" X 12" OVERFLOW SCUPPER

Associates Incorporated Architecture

Roof Consulting Construction Technology

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JAMES W. RIPLEY AR-0012758

JOSEPH J. WILLIAMS AR-0007684 REVISIONS DATE BY:

for the:

Replacement and Designated Repairs

Roof

AND CURB FLASHING

DETAILS

Opportunity

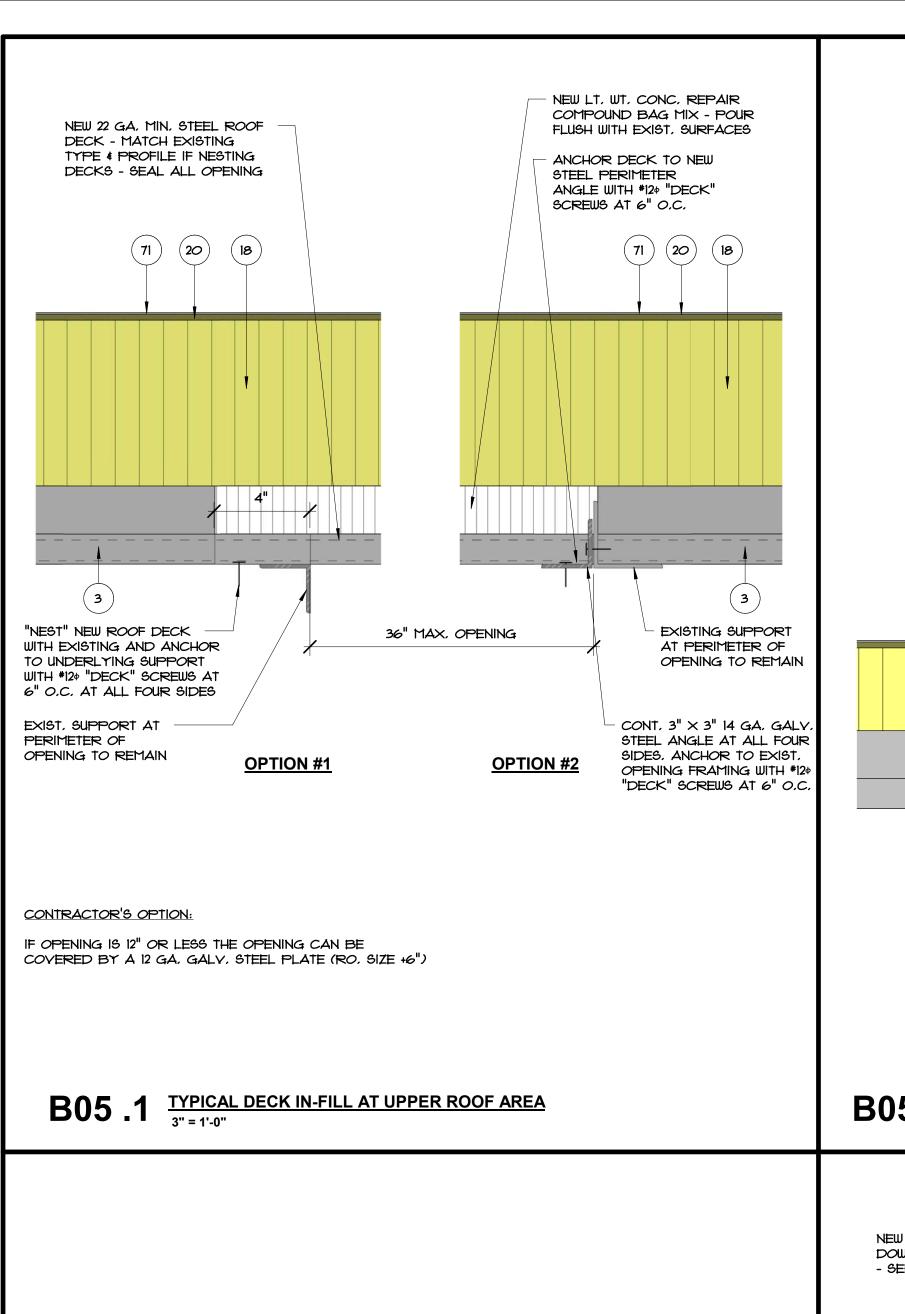
ARREN

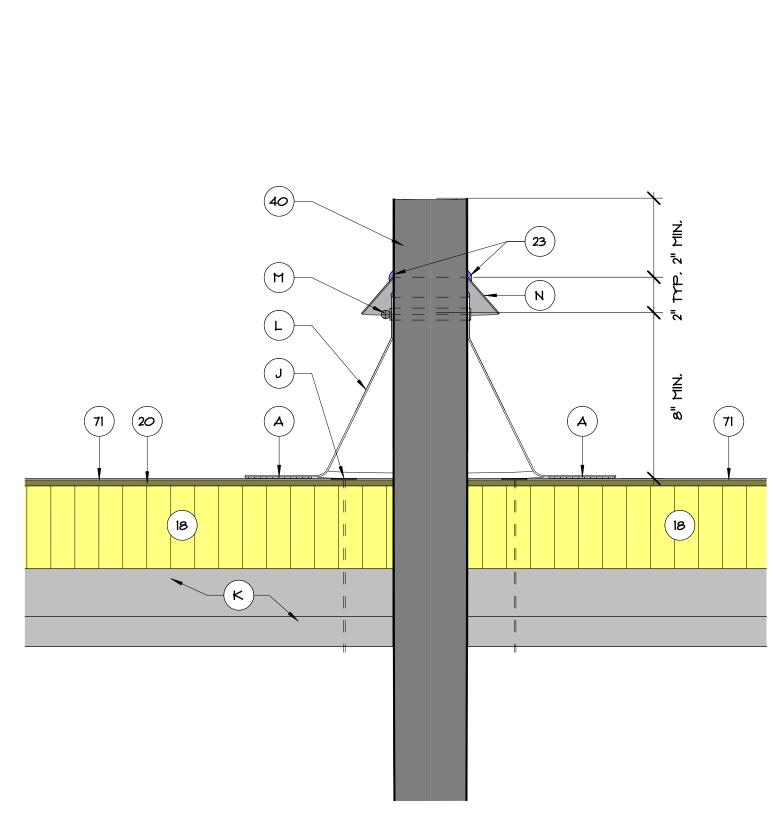
Florida

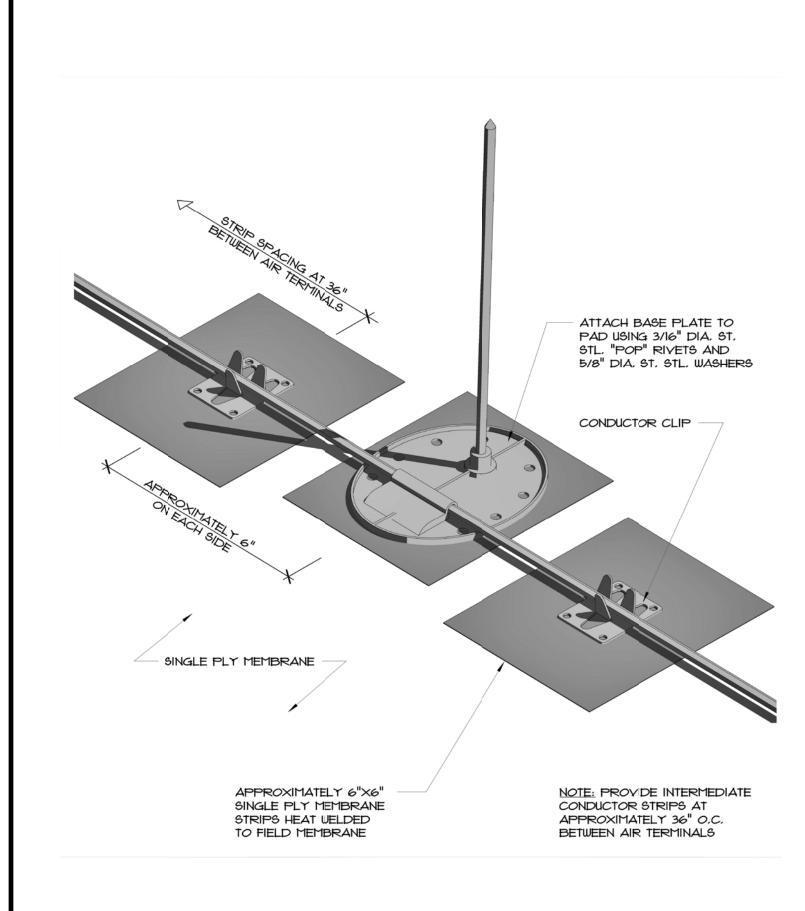
18052.00 JOB NO.: DRAWN BY: TG **DESIGNED BY: TG** CHECKED BY: JW

SHEET NO.:

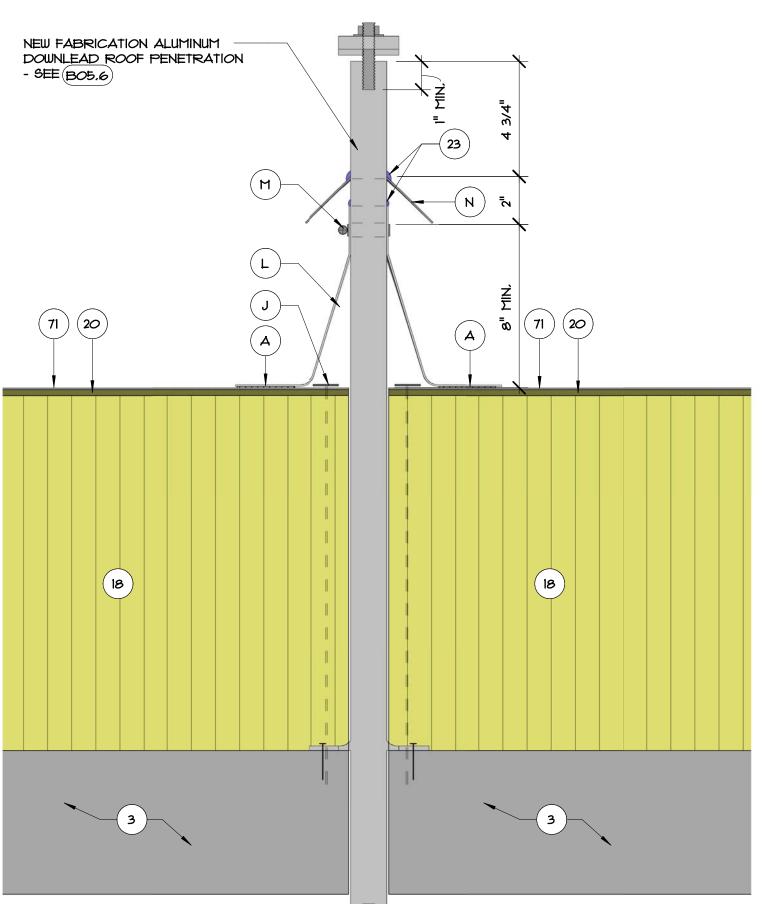
OF SHEET(S)







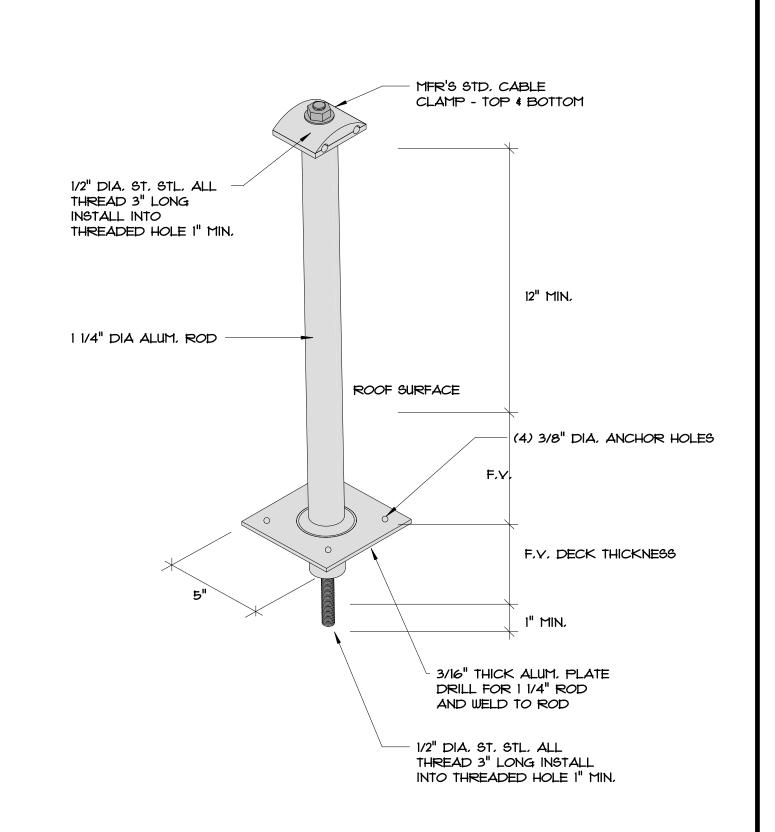
B05.2 TYPICAL VENT PIPE FLASHING DETAIL $3'' = 1' \cdot 0''$



LIGHTNING PROTECTION AND DOWNLEAD FLASHING AT LOWER ROOF 3" = 1'-0"

B05 .3 TYPICAL FLAT AIR TERMINAL DETAIL
3" = 1'-0"

SOLDER /WELD (AS PER METAL TYPE) ALL THIS ASSEMBLY IS AVAILABLE THRU FAYALE LIGHTNING PROTECTION INC. LAPS & CORNER INSERTS TO FORM ONE CONTINUOUS PIECE 386-672-1817 DIMENSIONS NOT GIVEN TO BE FIELD VERIFIED FavaleLP@live.com MEMBRANES AND OTHER COMPONENTS NOT SHOWN FOR CLARITY NEW LIGHTNING PROTECTION DOWNLEAD MUST CONNECT TO EXISTING LIGHTNING PROTECTION



B05.6 TYPICAL DOWNLEAD FABRICATION DETAIL 3" = 1'-0"

TYP. DETAIL NOTES:

- 2. EXISTING WALL
 - EXISTING STRUCTURAL CONCRETE DECK
- 4, EXIST, PARAPET
- EXIST, CURB TO REMAIN
- 10. EXISTING CURB TO REMAIN
- TAPERED RIGID INSULATION
- 20. 1/4" GYPSUM COVER BOARD SURFACE APPLIED TERMINATION BAR - FASTEN MIN. @ 8" O.C.
- 22. SURFACE MOUNTED COUNTERFLASHING SIM, TO DETAIL BO7.3
- 23. SEALANT
- 32. CONTINUOUS CLEAT 38. OVERFLOW SCUPPER - SEE REFERENCED DETAIL
- 40. EXISTING VENT STACK ADD EXTENSION AS NEEDED TO ACHIEVE FLASHING HEIGHT
- 41. P.T. WOOD BLOCKING TO BE FASTENED AT 12" O.C. MAX. AND STAGGER - COUNTERSINK HEADS
- 42. 5/8" PLYWOOD SCREW FASTEN @ 8" O.C. (MAX) TOP & BOTTOM
- # STAGGERED COUNTERSINK HEADS
- 43. ROUND OFF THIS EDGE 44. NEW ROOF DRAIN AND ACCESSORIES
- 45. EXISTING STRUCTURE
- 48. CREATE 3/4"/FT. SLOPED SUMP W/ TAPERED RIGID INSULATION -2'-O" FROM CENTER EACH WAY
- 60. PARAPET CAP SEE DETAIL BO3.1
- NEW EDGE METAL SEE DETAIL BO3.4
- 70. FLEXIBLE SHEET FLASHING FLEXIBLE SHEET MEMBRANE
- 74. IX2 WD, SHIM SCREW FASTEN AT 12" O.C., STAGGERED COUNTERSINK SCREWHEADS,
- 101, PRE-FABRICATED METAL CURB, FASTEN TO EXIST, DECK AS INDICATED PER SCHEDULE - SEE DETAIL BOT.1
- 102. EXIST, METAL WALL PANEL TO REMAIN NEW 3" WIDE RETAINER CLEAT @ 18" O.C. MAX, W/ 2 FASTENERS
- MIN. BEND UP IN FIELD TO SECURE COUNTERFLASHING
- 114. WRAP ROOF LEADER PIPE & PACK UNDER DRAIN W NON-COMBUSTIBLE INSULATION
- 120. NEW WOOD CURB FROM 2X4'S AT 16" O.C.
- EXISTING WOOD BLOCKING TO REMAIN, REPLACE WHERE DAMAGED OR DETERIORATED
- HEAT WELD
 - MANUFACTURER'S APPROVED ADHESIVE
- SKIRT & CAP METAL 0.040" PRE-FINISHED ALUM, NEW 1/4" DIA, imes 1.5" STAINLESS STEEL SCREWS NEOPRENE
- WASHERS AT 8" O.C. (MIN. 2 FASTENERS EACH SIDE).
- STAINLESS STEEL SCREWS WITH METAL BACKED NEOPRENE
- TWO-PIECE COUNTERFLASHING & RECEIVER SEE DETAIL BO7.3. SECURE RECEIVER BENEATH METAL PANEL
- NO-HUB CONNECTOR WITH ST. STL. DRAW BANDS TIGHTEN AS NEEDED FOR SECURE ATTACHMENT
- UNDER-DECK CLAMPING RING FASTENER WITH STRESS PLATES
- EXISTING LT. WT. INSULATING CONC. OVER METAL DECK
- PREFORMED STACK FLASHING
- M, ST, STL, DRAW BAND
- N. 2" WIDE 24 GA ST. STL. RAIN CAP FRICTION FIT AND "POP" RIVET IN PLACE
- MFR'S, STANDARD ADJUSTIBLE HEIGHT COLLAR ANCHOR TO DECK W/ FOUR (4) 1/4" DIA, \times 2 1/4" SCREWS
- NEW 2"x2"x3/16" SUPPORT ANGLE BETWEEN JOISTS EACH SIDE OF
- NEW STRAINER CAP AND CLAMPING RING
- SAW-CUT OPENING THRU PARAPET WALL CREATE OPENING FOR A NEW $4'' \times 12''$ OVERFLOW SCUPPER

Associates Incorporated Architecture Roof Consulting Construction Technology LIC. NBR AAC000932 601 North Fern Creek Avenue

Suite 100, Orlando, FL

32803-4899

Tel. (407) 896-7875

Fax. (407) 898-6043 COPYRIGHT 4/3/2019 A/R/C ASSOCIATES, INC. 4:49:42

JAMES W. RIPLEY AR-0012758 JOSEPH J. WILLIAMS AR-0007684 REVISIONS

DATE BY:

> 32202 Opportunity

Replacement and Designated Repairs BUILDING RREN

PENETRATION FLASHING & DECK IN-FILL

Roof

for the:

conomic

Florida 18052.00 IOB NO.: DRAWN BY: **DESIGNED BY: Designer**

CHECKED BY: Checker

DETAIL SHEET NO.:

B05.4 LIGHTNING PROTECTION AND DOWNLEAD FLASHING AT UPPER ROOF 3'' = 1'-0''

REMOVE EXIST, LWIC AS REQ'D TO INSTALL ASSEMBLY & INFILL,

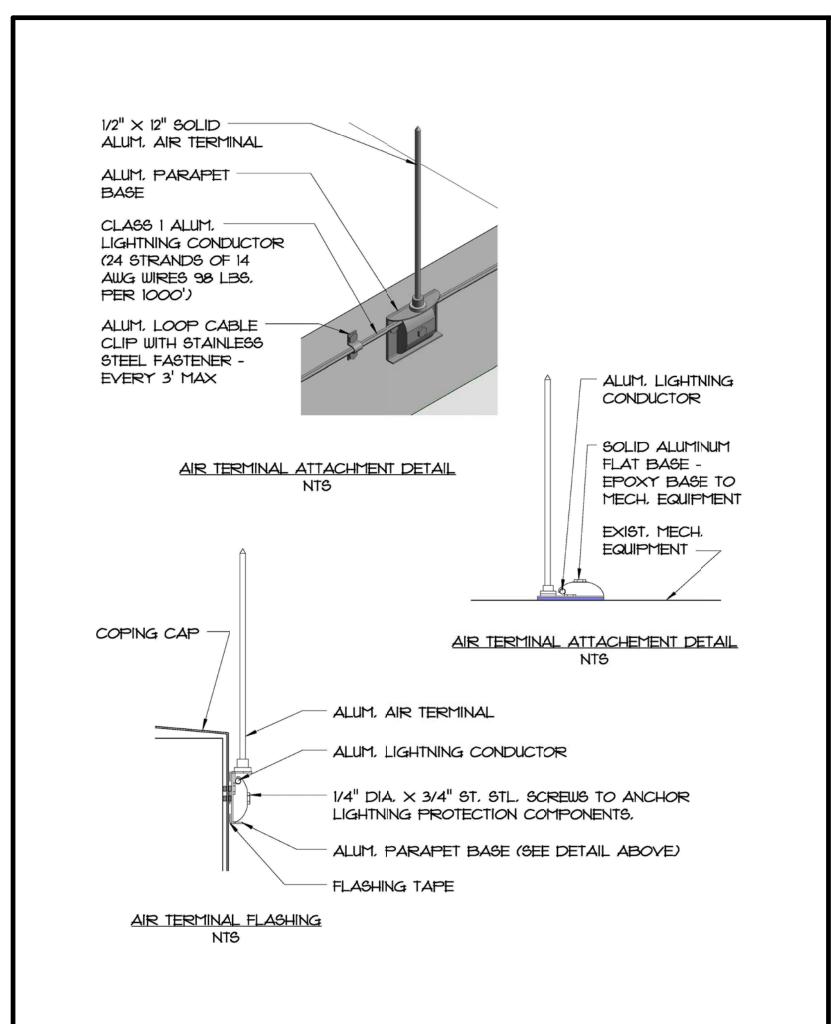
LEVEL WITH PYROFIL

NEW FABRICATION ALUMINUM — DOWNLEAD ROOF PENETRATION

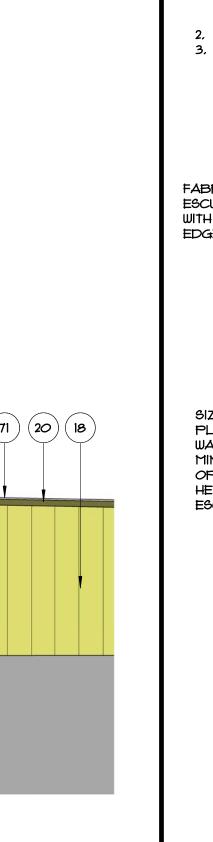
J

- SEE DETAIL (BO5.6)

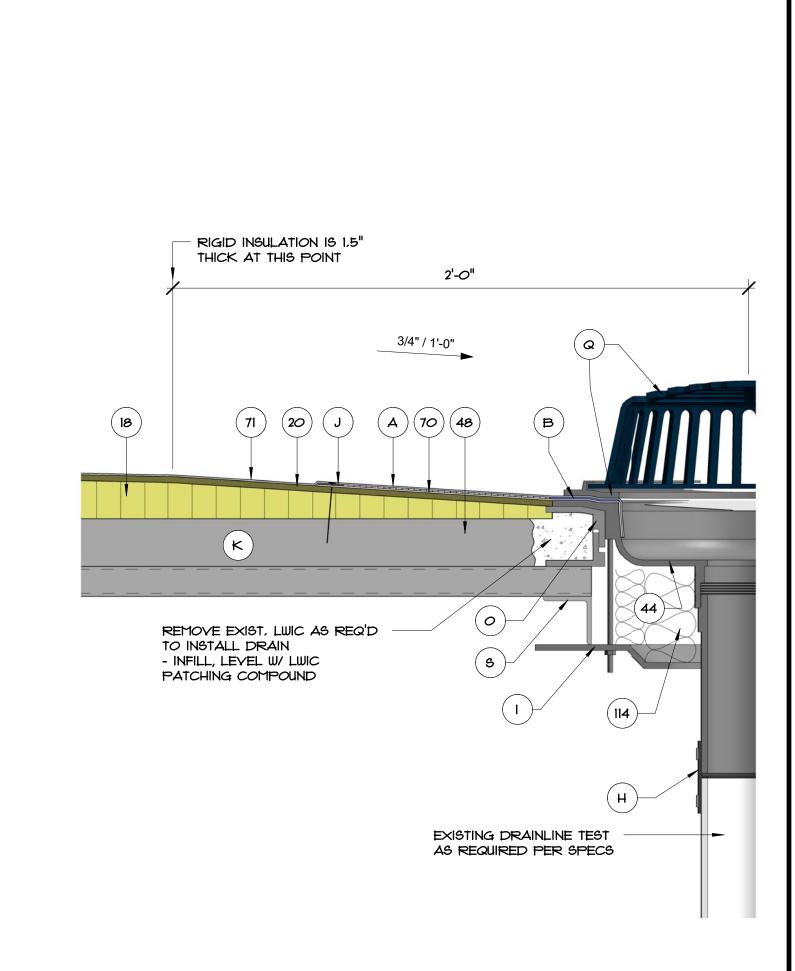
(20)



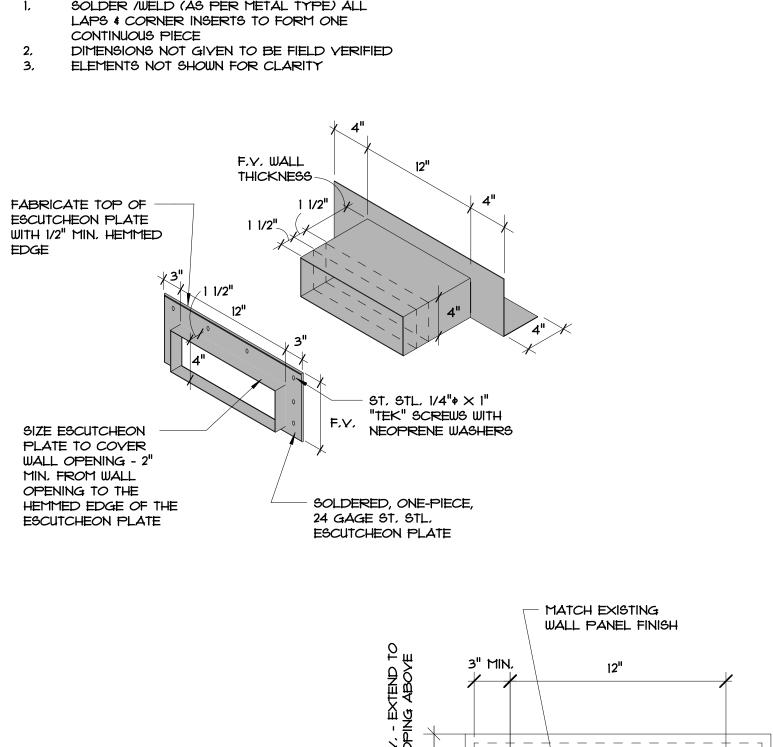
B06.1 LIGHTNING PROTECTION TERMINAL BASE ATTACHMENT DETAIL $3" = 1' \cdot 0"$



B06 .4 NEW OVERFLOW SCUPPER FLASHING DETAIL AT LOWER ROOF
3" = 1'-0"

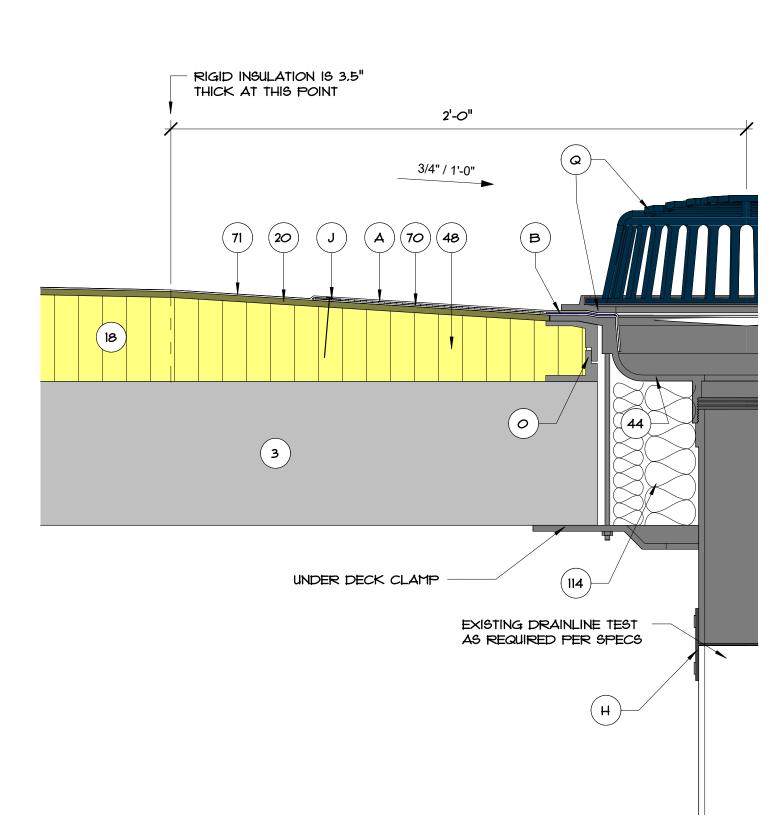


B06.2 NEW ROOF DRAINFLASHING AT ROOF AREA 1/B 3'' = 1'-0''



ELEVATION

B06.5 OVERFLOW SCUPPER FABRICATION DETAIL

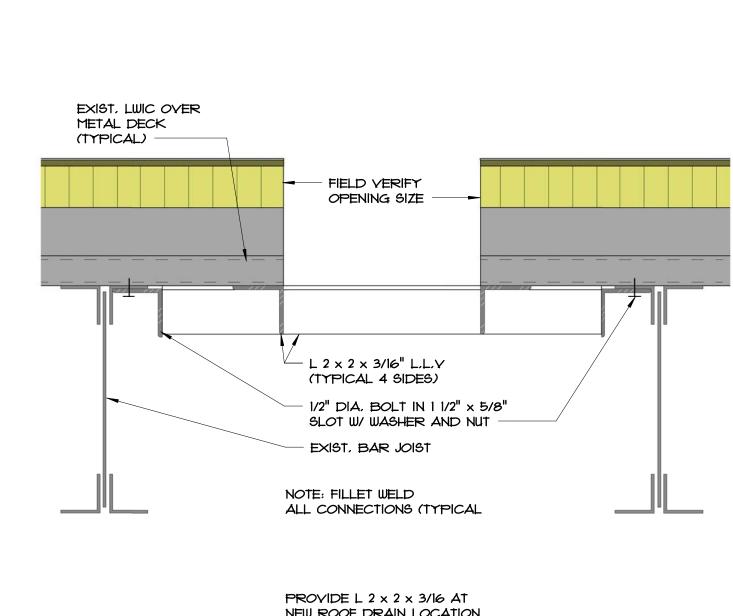


B06 .3 NEW ROOF DRAIN FLASHING AT ROOF AREA 1/A
3" = 1'-0"

NOTE: TWO - 1/4" DIA, x 1 1/4" SELF-DRILLING, SELF-TAPPING COATED DECK SCREWS AT EACH CLIP ANGLE - TYP, OF C4

CONNECTIONS)

LOCATIONS (CONTRACTOR'S OPTION TO FILLET WELD ALL FIOELD



NEW ROOF DRAIN LOCATION

NOTE: FIELD VERIFY THAT DECK OPENINGS AT EXISTING DRAIN LOCATIONS ARE ADEQUATELY SUPPORTED, PROVIDE SUPPLEMENTAL FRAMING AS SHOWN IN NEEDED.

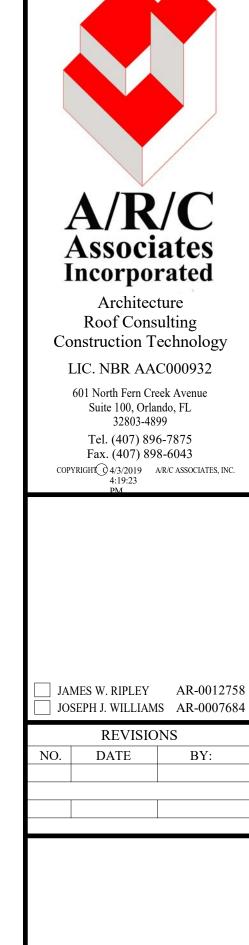
B06 .6 TYPICAL ROOF DRAIN SUPPORT FRAMING DETAIL 3'' = 1'-0''

TYP. DETAIL NOTES:

- 2. EXISTING WALL
 - EXISTING STRUCTURAL CONCRETE DECK
- 4, EXIST, PARAPET
- EXIST, CURB TO REMAIN
- 10. EXISTING CURB TO REMAIN
- TAPERED RIGID INSULATION
- 20. 1/4" GYPSUM COVER BOARD SURFACE APPLIED TERMINATION BAR - FASTEN MIN. @ 8" O.C.
- SURFACE MOUNTED COUNTERFLASHING SIM, TO DETAIL BO7.3
- 23. SEALANT
- 32. CONTINUOUS CLEAT
- 38. OVERFLOW SCUPPER SEE REFERENCED DETAIL 40. EXISTING VENT STACK - ADD EXTENSION AS NEEDED TO
- ACHIEVE FLASHING HEIGHT
- 41. P.T. WOOD BLOCKING TO BE FASTENED AT 12" O.C. MAX. AND STAGGER - COUNTERSINK HEADS
- 42. 5/8" PLYWOOD SCREW FASTEN @ 8" O.C. (MAX) TOP & BOTTOM
- # STAGGERED COUNTERSINK HEADS 43. ROUND OFF THIS EDGE
- 44. NEW ROOF DRAIN AND ACCESSORIES 45. EXISTING STRUCTURE
- CREATE 3/4"/FT, SLOPED SUMP W/ TAPERED RIGID INSULATION -
- 2'-O" FROM CENTER EACH WAY 60. PARAPET CAP - SEE DETAIL BO3.1
- NEW EDGE METAL SEE DETAIL BO3.4 70. FLEXIBLE SHEET FLASHING
- FLEXIBLE SHEET MEMBRANE
- 74. IX2 WD. SHIM SCREW FASTEN AT 12" O.C. STAGGERED COUNTERSINK SCREWHEADS,
- 101. PRE-FABRICATED METAL CURB. FASTEN TO EXIST. DECK AS INDICATED PER SCHEDULE - SEE DETAIL BO7.1
- 102. EXIST, METAL WALL PANEL TO REMAIN
- NEW 3" WIDE RETAINER CLEAT @ 18" O.C. MAX, W/ 2 FASTENERS MIN. - BEND UP IN FIELD TO SECURE COUNTERFLASHING
- 114, WRAP ROOF LEADER PIPE & PACK UNDER DRAIN W
- NON-COMBUSTIBLE INSULATION
- 120. NEW WOOD CURB FROM 2X4'S AT 16" O.C. 133. EXISTING WOOD BLOCKING TO REMAIN. REPLACE WHERE
- DAMAGED OR DETERIORATED
- HEAT WELD MANUFACTURER'S APPROVED ADHESIVE
- SKIRT & CAP METAL 0.040" PRE-FINISHED ALUM,
- NEW 1/4" DIA, imes 1.5" STAINLESS STEEL SCREWS NEOPRENE WASHERS AT 8" O.C. (MIN. 2 FASTENERS EACH SIDE).
- STAINLESS STEEL SCREWS WITH METAL BACKED NEOPRENE
- TWO-PIECE COUNTERFLASHING & RECEIVER SEE DETAIL BO7.3. SECURE RECEIVER BENEATH METAL PANEL
- NO-HUB CONNECTOR WITH ST. STL. DRAW BANDS TIGHTEN AS NEEDED FOR SECURE ATTACHMENT
- UNDER-DECK CLAMPING RING
- FASTENER WITH STRESS PLATES EXISTING LT. WT. INSULATING CONC. OVER METAL DECK
- PREFORMED STACK FLASHING
- M. ST. STL. DRAW BAND
- N. 2" WIDE 24 GA ST. STL. RAIN CAP FRICTION FIT AND "POP" RIVET IN PLACE
- MFR'S, STANDARD ADJUSTIBLE HEIGHT COLLAR ANCHOR TO DECK W/ FOUR (4) 1/4" DIA, \times 2 1/4" SCREWS
- NEW 2"x2"x3/16" SUPPORT ANGLE BETWEEN JOISTS EACH SIDE OF

- NEW STRAINER CAP AND CLAMPING RING

SAW-CUT OPENING THRU PARAPET WALL - CREATE OPENING FOR A NEW 4" X 12" OVERFLOW SCUPPER



BY:

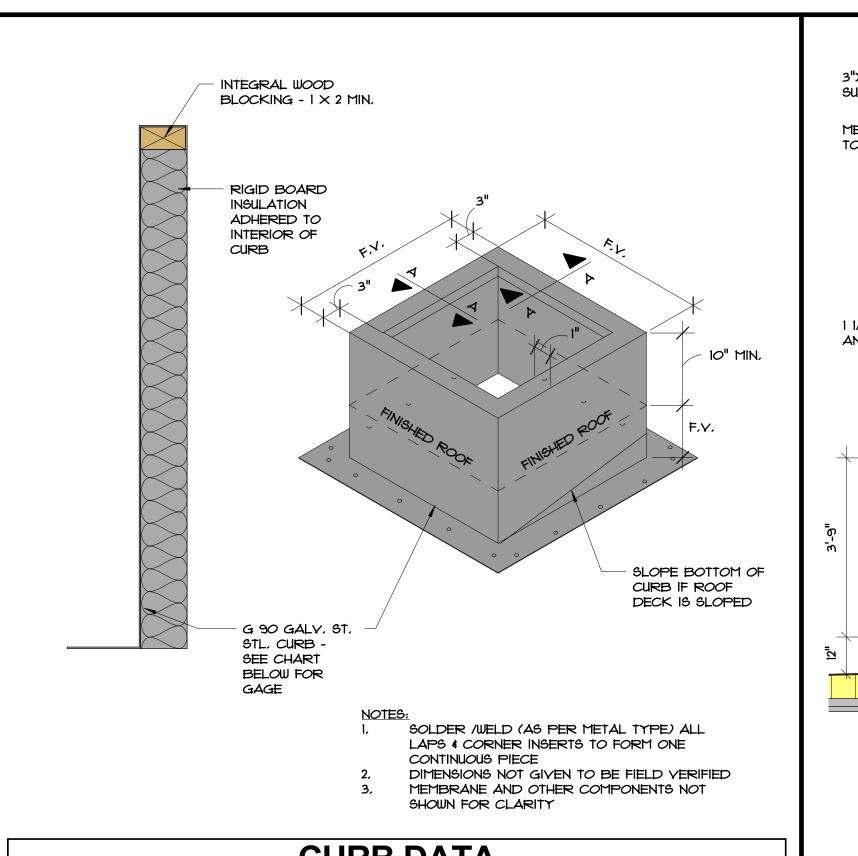


DETAIL

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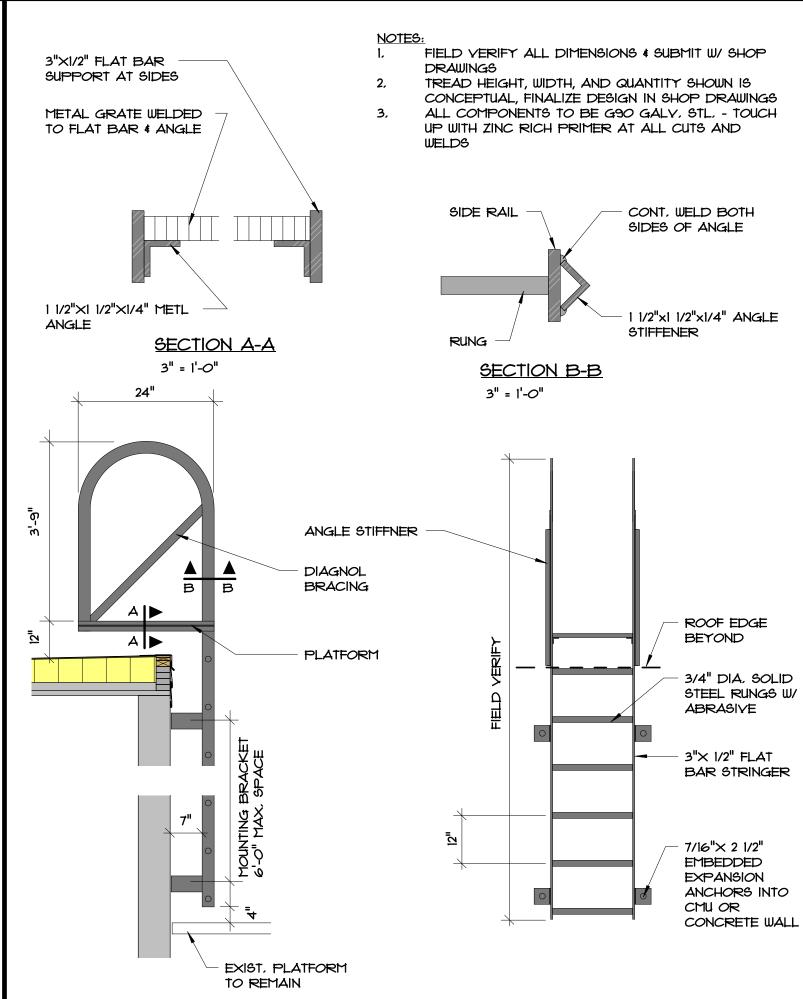
Opportunity

CHECKED BY: JW SHEET NO.:



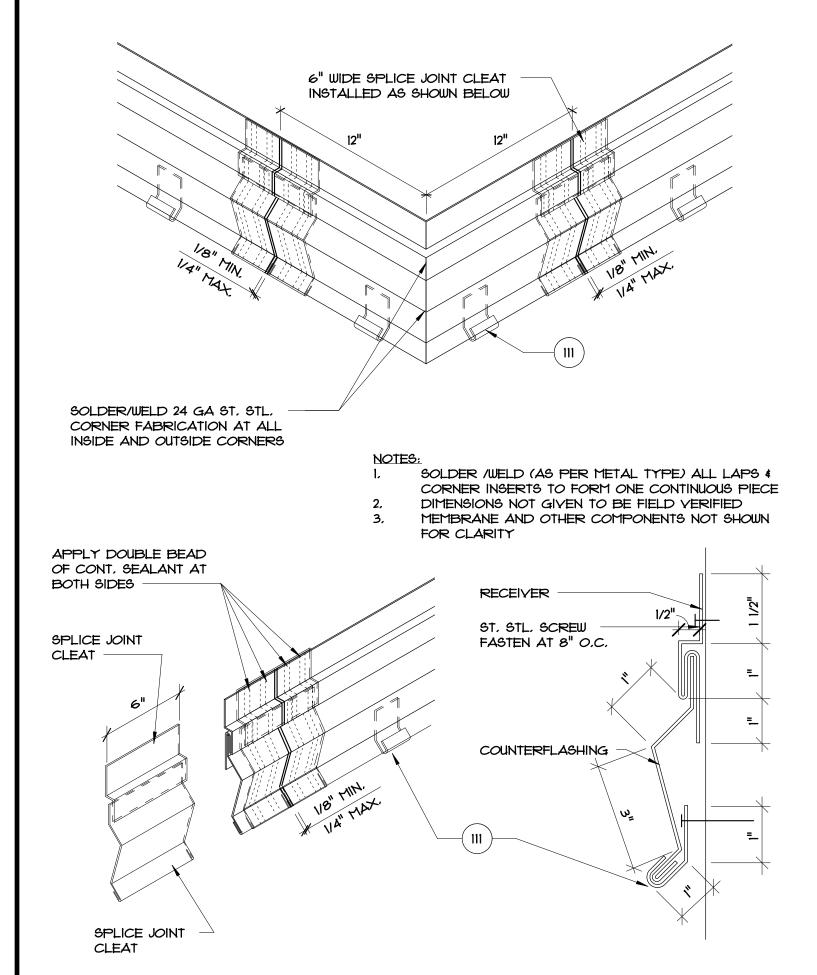
CURB DATA						
MIN. SIZE MAX. SIZE GAGE			ANCHORAGE - CONC. DECK	ANCHORAGE - 22 GA METAL DECK		
-	24" SQ	20 GA	1/4" DIA, × 2 1/4" LG, TAPCONS @ 24" O.C.	1/4" DIA, SCREW @ 12" O.C.		
25" SQ	60" SQ	18 GA	1/4" DIA. × 2 1/4" LG. TAPCONS @ 18" O.C.	1/4" DIA, SCREW @ 9" O.C.		
61" SQ	120" SQ	16 GA	1/4" DIA. × 2 1/4" LG. TAPCONS @ 12" O.C.	1/4" DIA, SCREW @ 6" O.C.		
121" SQ	240" SQ	14 GA	3/8" DIA. × 3" LG. TAPCONS @ 24" O.C.	3/8" DIA, SCREW @ 32" O.C.		

B07.1 TYPICAL CURB FABRICATION DETAIL 3'' = 1'-0''



B07 .2 NEW WALL MOUNTED LADDER ACCESS DETAIL

1/2" = 1'-0"



B07 .3 TYPICAL 2-PIECE COUNTERFLASHING FABRICATION DETAIL 6'' = 1'-0''

TYP. DETAIL NOTES:

- 2. EXISTING WALL
- EXISTING STRUCTURAL CONCRETE DECK
- 4, EXIST, PARAPET
- EXIST, CURB TO REMAIN 10. EXISTING CURB TO REMAIN
- TAPERED RIGID INSULATION
- 20. 1/4" GYPSUM COVER BOARD
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- P.T. WOOD BLOCKING TO BE FASTENED AT 12" O.C. MAX. AND
- STAGGER COUNTERSINK HEADS 42. 5/8" PLYWOOD - SCREW FASTEN @ 8" O.C. (MAX) TOP & BOTTOM
- # STAGGERED COUNTERSINK HEADS
- 43. ROUND OFF THIS EDGE 44. NEW ROOF DRAIN AND ACCESSORIES
- 45. EXISTING STRUCTURE CREATE 3/4"/FT, SLOPED SUMP W/ TAPERED RIGID INSULATION -
- 2'-O" FROM CENTER EACH WAY
- 60. PARAPET CAP SEE DETAIL BO3.1

102. EXIST, METAL WALL PANEL TO REMAIN

- 61. NEW EDGE METAL SEE DETAIL BO3.4 70. FLEXIBLE SHEET FLASHING
- FLEXIBLE SHEET MEMBRANE
- 74. IX2 WD, SHIM SCREW FASTEN AT 12" O.C. STAGGERED COUNTERSINK SCREWHEADS,
- 101. PRE-FABRICATED METAL CURB. FASTEN TO EXIST. DECK AS INDICATED PER SCHEDULE - SEE DETAIL BO7.1
- NEW 3" WIDE RETAINER CLEAT @ 18" O.C. MAX, W/ 2 FASTENERS MIN. - BEND UP IN FIELD TO SECURE COUNTERFLASHING
- 114. WRAP ROOF LEADER PIPE & PACK UNDER DRAIN W
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- 133. EXISTING WOOD BLOCKING TO REMAIN. REPLACE WHERE DAMAGED OR DETERIORATED
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- NO-HUB CONNECTOR WITH ST. STL. DRAW BANDS TIGHTEN AS
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Associates Incorporated Architecture Roof Consulting

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JAMES W. RIPLEY AR-0012758

JOSEPH J. WILLIAMS AR-0007684 REVISIONS DATE BY:

32202

Florida

Florida Department of Economic Opportunity

- MISCELLANEOUS FABRICATION

☐ ☐ ☐ ☐ Roof Replacement and Designated Repairs for the: **FULLER WARREN BUILDING**

Jacksonville, 215 Market Street,

DRAWN BY: DESIGNED BY: TG CHECKED BY: JW

DETAILS

OF SHEET(S)