

CONSTRUCTION DOCUMENTS

INDIAN RIVER COUNTY

NORTH COUNTY REGIONAL PARK AQUATIC FACILITY

ROOFING REPLACEMENT

9450 COUNTY ROAD 512
INDIAN RIVER COUNTY, FLORIDA 32958

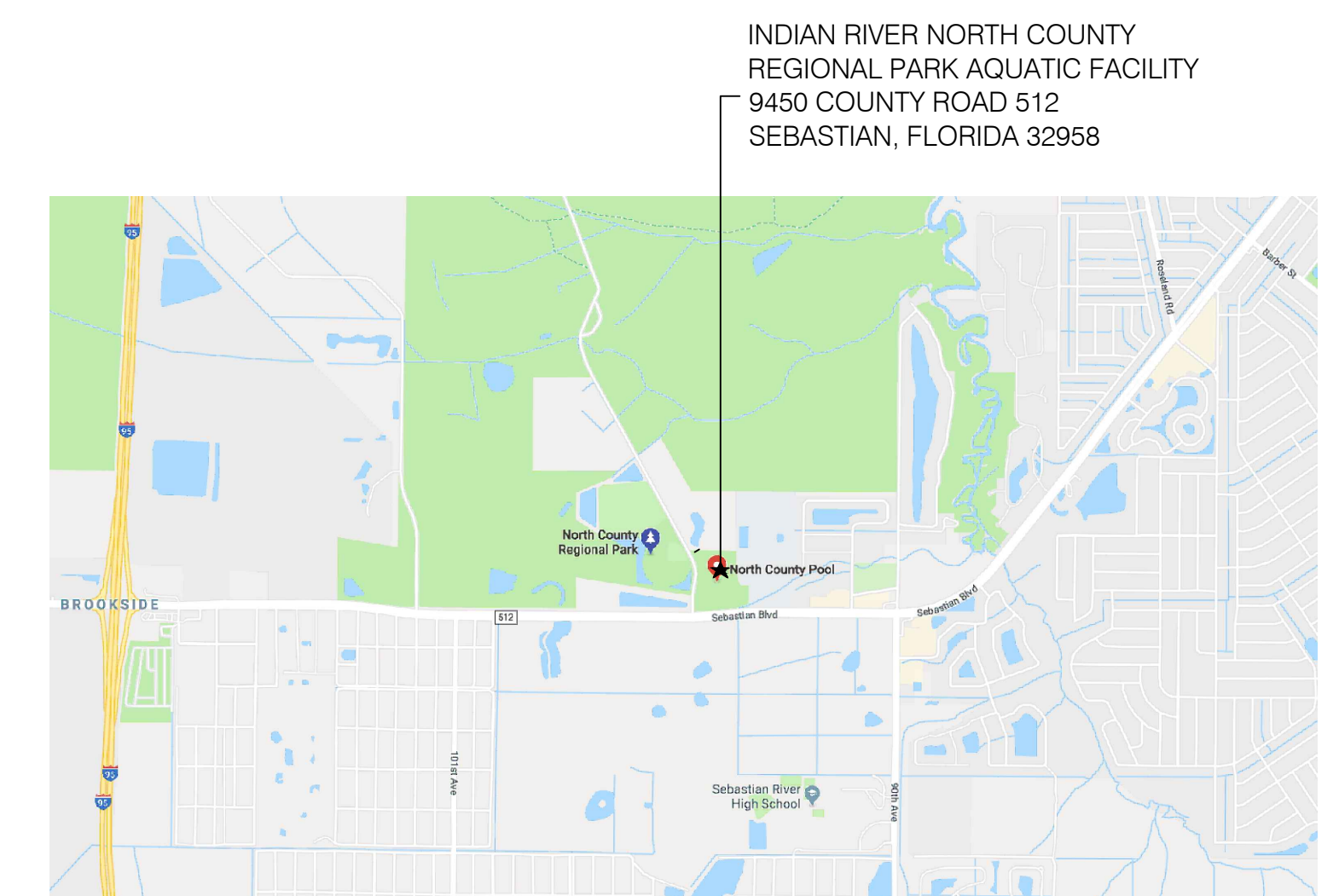
PREPARED FOR:



IRC PROJECT NO. 1826

JUNE 7, 2019

BID SET



INDIAN RIVER NORTH COUNTY
REGIONAL PARK AQUATIC FACILITY
9450 COUNTY ROAD 512
SEBASTIAN, FLORIDA 32958

SITE VICINITY MAP



DRAWING INDEX

SHEET NUMBER	SHEET TITLE	ORIGINAL DATE	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE	ORIGINAL DATE	REVISION NUMBER	REVISION DATE
A0.1	COVER SHEET	6/07/2018	0	NA	A4.1	EXISTING WALL SECTIONS	6/07/2018	0	NA
A1.1	SYMBOLS, ABBREVIATIONS & CODE INFORMATION	6/07/2018	0	N/A	A5.1	ROOFING REPLACEMENT DETAILS	6/07/2018	0	N/A
A1.2	GENERAL NOTES	6/07/2018	0	N/A	A5.2	ROOFING REPLACEMENT DETAILS	6/07/2018	0	N/A
A1.3	SITE PLAN	6/07/2018	0	NA	A5.3	ROOFING REPLACEMENT DETAILS	6/07/2018	0	N/A
A2.1	EXISTING CONDITIONS ROOF PLAN	6/07/2018	0	NA	A5.4	ROOFING REPLACEMENT DETAILS	6/07/2018	0	N/A
A2.2	PROPOSED ROOF PLAN	6/07/2018	0	NA	A5.5	ROOFING REPLACEMENT DETAILS	6/07/2018	0	N/A
A2.3	WIND UPLIFT PRESSURE PLAN	6/07/2018	0	NA	A7.1	PHOTOGRAPHS	6/07/2018	0	N/A
A2.4	CANOPY REFLECTIVE CEILING PLAN	6/07/2018	0	NA	A7.2	PHOTOGRAPHS	6/07/2018	0	N/A
A3.1	EXISTING AND PROPOSED NORTH ELEVATIONS	6/07/2018	0	N/A					
A3.2	EXISTING AND PROPOSED EAST ELEVATIONS	6/07/2018	0	N/A					
A3.3	EXISTING AND PROPOSED SOUTH ELEVATIONS	6/07/2018	0	N/A					

ARCHITECT'S CODE COMPLIANCE CERTIFICATION

JAY AMMON ARCHITECT, INC.
CERTIFIES THAT THESE
CONSTRUCTION DOCUMENTS
COMPLY WITH THE FLORIDA
BUILDING CODE - BUILDING,
2017 EDITION

CONSTRUCTION DOCUMENTS
INDIAN RIVER COUNTY
INDIAN RIVER COUNTY AQUATIC FACILITY
INDIAN RIVER COUNTY, FLORIDA
ROOFING REPLACEMENT
PROJECT NUMBER: 19-030

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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LBH PROJECT NUMBER: 18-012
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: _____ DATE: JUNE 7, 2019

COVER SHEET
A-0.1

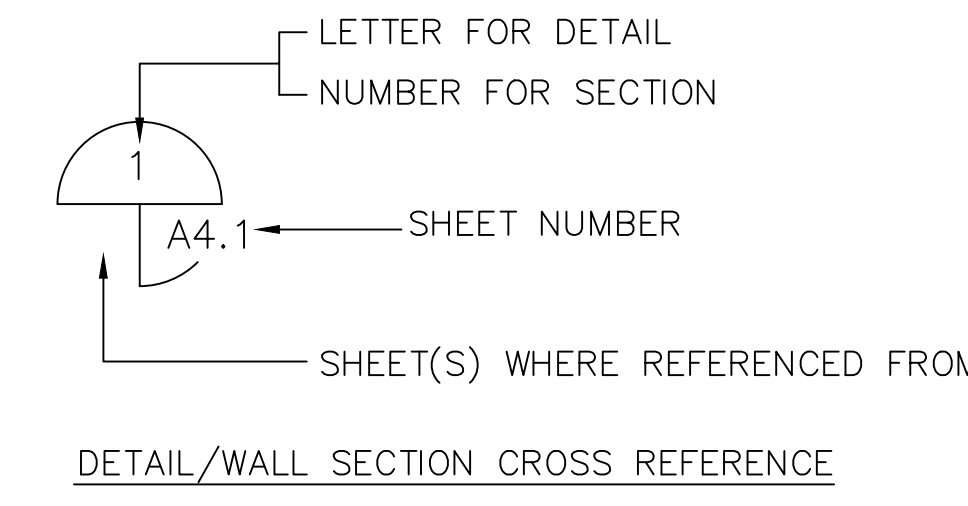
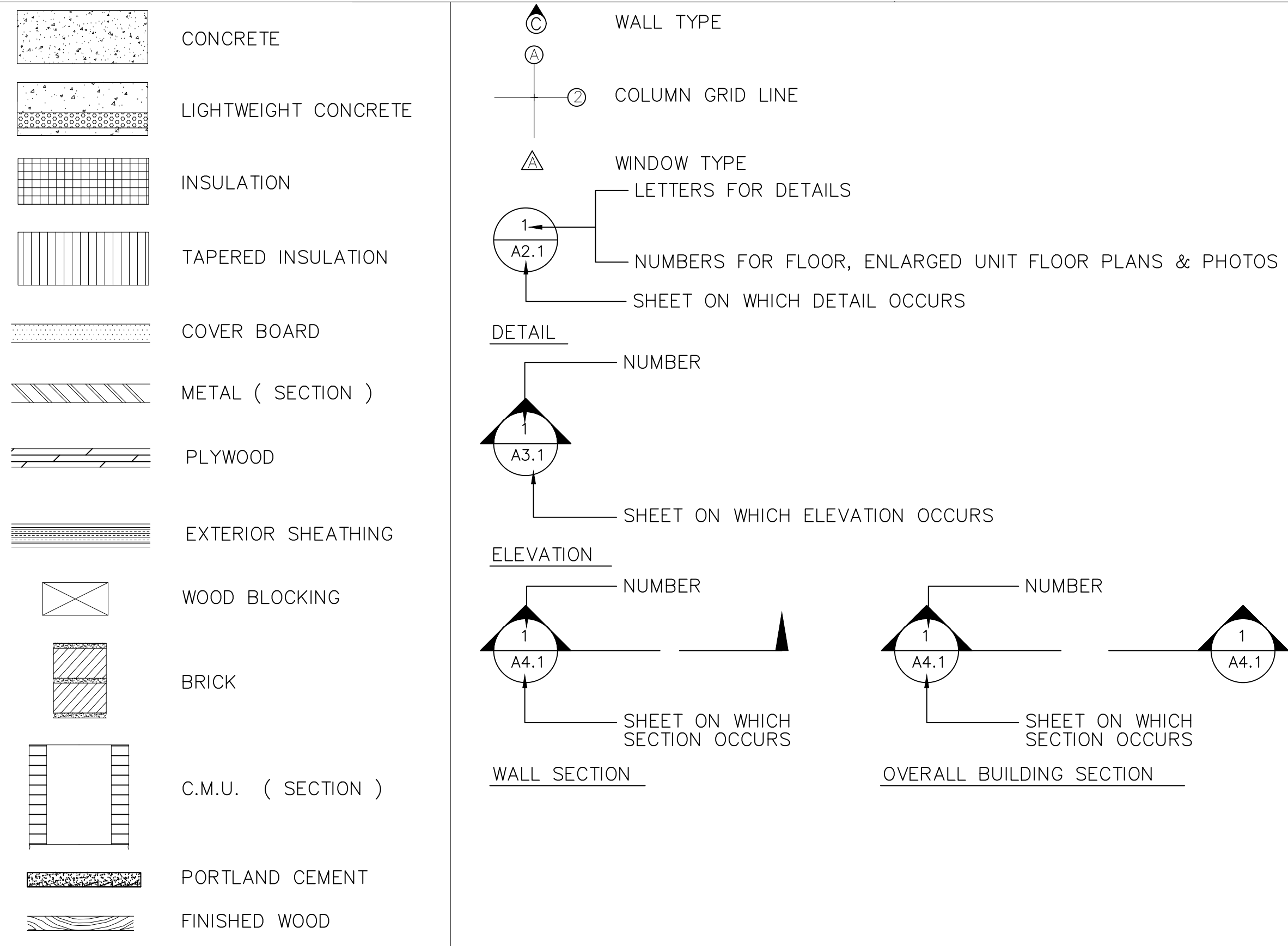
PLOT: N.T.S. SHEET

ARCHITECTURAL ABBREVIATIONS

ACOUS.	ACOUSTICAL
A/C	AIR CONDITIONING
A.T.	ACOUSTICAL TILE
A.F.F.	ABOVE FINISHED FLOOR
ADJ.	ADJUSTABLE
AL.	ALTERNATE
ALT.	ALTERNATE
&	AND
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
A.D.	AREA DRAIN
ASPH.	ASPHALT
@	AT
∠	ANGLE
BM.	BEAM
B.M.	BENCH MARK
BIT.	BITUMINOUS
BLK.	BLOCKING
BD.	BOARD
BOT.	BOTTOM
BLDG.	BUILDING
B.U.	BUILT UP
B.R.	BACKER ROD
C.P.T.	CARPET
C.B.	CATCH BASIN
CK.	CAULKING
CLG.	CEILING
CEM.	CEMENT
⊕ OR CL.	CENTERLINE
C.T.	CERAMIC TILE
[OR CH.	CHANNEL
COL.	COLUMN
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CONT.	CONTINUOUS
C.J.	CONTROL JOINT
CONF.	CONFERENCE
C.R. CH.	COLD ROLL CHANNEL
DP.	DAMP PROOFING
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DS.	DOWNSPOUT
DWGS.	DRAWINGS
E.	ELEVATOR
EA.	EACH
ELEC.	ELECTRICAL
E.D.F.	ELECTRICAL DRINKING FOUNTAIN
E.P.	ELECTRICAL PANELBOARD
ELEV.	ELEVATION
EL.	ELEVATION
E.J.	EXPANSION JOINT
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXP.	EXPANSION
EXST.	EXISTING
EXT.	EXTERIOR
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM
FIN.	FINISH
FIN. FL.	FINISH FLOOR
F.H.C.	FIRE HOSE CABINET
F.H.	FIRE HYDRANT
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FL.	FLOOR
F.D.	FLOOR DRAIN
FTG.	FOOTING
F.S.	FULL SIZE
FURR	FURRING
GALV.	GALVANIZED
GA.	GAUGE
GL.	GLASS
G.B.	GRAB BAR
GYP.	GYPSUM
GYP.BD.	GYPSUM BOARD
G.C.	GENERAL CONTRACTOR
HCP.	HANDICAP
HDWE.	HARDWARE
HVAC.	HEATING/VENTILATING & AIR COND.
HGT.	HEIGHT
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.B.	HOSE BIB
I.D.	INSIDE DIAMETER (DIM.)
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JAN.	JANITOR
J.B.	JOIST BEARING
JT.	JOINT
LAM.	LAMINATE
LAV.	LAVATORY
L.A.T.	LAY-IN-ACOUSTICAL TILE
LT. WT.	LIGHT WEIGHT
MTL.	METAL
M.H.	MOP HANGER
MH.	MANHOLE
MFG.	MANUFACTURER
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MIN.	MINIMUM

MISC.	MISCELLANEOUS
M.R.GYP.BD.	MOISTURE RESISTANT GYPSUM BOARD
MTD.	MOUNTED
NOM.	NOMINAL
N.I.C.	NOT IN CONTRACT
NO. OR #	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
OH.	OVERHEAD
OPH.	OPPOSITE HAND
O.D.	OUTSIDE DIAMETER (DIM.)
PTD.	PAINTED
PR.	PAIR
PTN.	PARTITION
PVMT.	PAVEMENT
PLAS.	PLASTER
PL.	PLATE
POL.	POLISHED
PBS.	POUNDS
P.I.P.	POURED-IN-PLACE
PRE-FAB.	PRE-FABRICATED
PC. CONC.	PRECAST CONCRETE
P.T.D.	PAPER TOWEL DISPENSER
P.LAM.	PLASTIC LAMINATE
PWD.	PLYWOOD
℞ OR P.L.	PROPERTY LINE
Q.T.	QUARRY TILE
RAD.	RADIUS
REF.	REFERENCE
R.C.P.	REINFORCED CONCRETE PIPE
REINF.	REINFORCEMENT
REQ.	REQUIRED
RESIL.	RESILIENT
R.	RISER
R.D.	ROOF DRAIN
RM.	ROOM
∅ OR RD.	ROUND
R.B.	RUBBER BASE
S.N.D.	SANITARY NAPKIN DISPENSER
SLT.	SEALANT
SEC.	SECURITY
SEC. GL.	SECURITY GLASS
S.H.M.	SECURITY HOLLOW METAL
SER. S.	SERVICE SINK
SCHD.	SCHEDULE
SHT.	SHEET
S.V.	SHEET VINYL
SIM.	SIMILAR
S.D.	SOAP DISPENSER
S.C.	SOLID CORE
SPEC.	SPECIFICATION
SQ.	SQUARE
SQ. FT.	SQUARE FEET
STD.	STANDARD
S.S.	STAINLESS STEEL
STL.	STEEL
STOR.	STORAGE
ST. DR.	STORM DRAIN
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
TEL.	TELEPHONE
TEMP. GL.	TEMPERED GLASS
TH.	THRESHOLD
T.P.H.	TOILET PAPER HOLDER
T.C.	TOP OF CURB
T.P.	TOP OF PAVEMENT
T.O.S.	TOP OF STEEL
T.B.	TOWEL BAR
T.	TREAD
TRTD.	TREATED
TYP.	TYPICAL
V.B.	VINYL BASE
V.C.T.	VINYL COMPOSITION TILE
V.W.C.	VINYL WALL COVERING
VERT.	VERTICAL
VEST.	VESTIBULE
W.H.	WATER HEATER
W.P.	WATERPROOF
W.W.M.	WELDED WIRE MESH
W. GL.	WIRE GLASS
W/	WITH
W.C.	WATER CLOSET
W/O	WITHOUT
WSCT.	WAINSCOT
WT.	WEIGHT
WD.	WOOD

ARCHITECTURAL GRAPHIC SYMBOLS



CODE INFORMATION

CURRENT BUILDING CODES		
Building :	2017 FLORIDA BUILDING CODE	Edition : SIXTH
Mechanical :	2017 FLORIDA MECHANICAL CODE	Edition : SIXTH
Plumbing :	2017 FLORIDA PLUMBING CODE	Edition : SIXTH
	2017 FLORIDA FUEL GAS CODE	Edition : SIXTH
Electrical :	2017 FLORIDA ELECTRICAL CODE	Edition : SIXTH
Accessibility:	2017 FLORIDA ACCESSIBILITY CODE	Edition : SIXTH
	2017 FLORIDA ENERGY CONSERVATION CODE	Edition : SIXTH

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DRAWN BY: LRH PROJECT NUMBER: 18-012
APPROVED BY: JPA PHASE: 90% DOCUMENTS
ENGINEER: DATE: JUNE 7, 2019

SYMBOLS, ABBREVIATIONS AND CODE INFORMATION

PLOT: N.T.S. SHEET **A1.1**

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE, AND INSTALL SIPLAST ZONO-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATERTIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. RODS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A-2-3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED $\frac{3}{8}$ " DENS-DECK PRIME COVER BOARD SECURED WITH $\frac{3}{8}$ " TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE. FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASEMBLY. SOLDER/WELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSI/SPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW .050" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSI/SPRI ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERSTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERM-A-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL $\frac{3}{4}$ " STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE $\frac{3}{8}$ " COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

BUILDING PROTECTION NOTES:

A. THE BUILDING WILL REMAIN FUNCTIONAL THROUGHOUT THE CONSTRUCTION PERIOD. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTENTS AND OCCUPANTS.

B. THE BUILDING SHALL BE WATERTIGHT AT THE END OF EACH DAYS CONSTRUCTION AND WHEN INCLEMENT WEATHER THREATENS.

C. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE BUILDING, EXTERIOR AND GROUNDS, AND ALL PROMENADE CONCRETE WITHIN THE PROJECT BOUNDARIES.

D. ANY SURFACES STAINED, MARKED, MARRED, OR DAMAGED BY THE CONTRACTOR SHALL BE RETURNED TO ORIGINAL CONDITION AND TO MATCH ADJACENT SURFACES.

E. THE CONTRACTOR SHALL RETURN THE SITE AND ANY DAMAGED ITEMS OF THE SITE OR FACILITY TO THE ORIGINAL CONDITION.

F. THE SEQUENCE OF WORK SHALL MINIMIZE CONSTRUCTION TRAFFIC ON THE NEW WORK.

ROOFING REPLACEMENT NOTES:

A. FOR PURPOSES OF THIS PROJECT, REMOVE SHALL MEAN REMOVE AND DISPOSE OF IN AN APPROVED AND LEGAL MANNER.

B. CONTRACTOR SHALL VERIFY THE TOTAL NUMBER OF DETAIL CONDITIONS IN THE FIELD AND PERFORM NEW WORK IN ACCORDANCE WITH THE DETAIL REFERENCED OR THOSE WHICH ARE SIMILAR. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD.

C. GENERAL DEMOLITION SCOPE: REMOVE ALL LOW SLOPE ROOF MEMBRANE, METAL EDGING, ALL LIGHTNING PROTECTION TERMINALS AND CABLES, METAL FLASHINGS, GUTTERS, ETC. AND OTHER REQUIRED COMPONENTS AS REQUIRED FOR A COMPLETE ROOFING REPLACEMENT PROJECT.

D. PROVIDE AND INSTALL TEMPORARY ROOFING, NIGHT SEALS, AND FLASHING AS REQUIRED TO PROTECT EXISTING BUILDING INTERIOR FROM DAMAGE.

E. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM CONSTRUCTION SITE AND DISPOSE OF IN A LEGAL MANNER.

F. DAMAGED OR DETERIORATED ROOF SUBSTRATE UNCOVERED DURING DEMOLITION SHALL BE DOCUMENTED BY THE CONTRACTOR, REPORTED TO THE OWNER IN WRITING.

G. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING ROOF MATERIALS AND METHODS OF INSTALLATION BEFORE THE START OF WORK. ANY DISCREPANCIES BETWEEN THE INFORMATION PROVIDED BY THE CONTRACT DOCUMENTS AND CONDITIONS ENCOUNTERED BY THE CONTRACTOR BEFORE THE START OF WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER. THE CONTRACTOR SHALL NOT BE ENTITLED TO COMPENSATION FOR ANY ADDITIONAL LABOR OR MATERIALS DUE TO DIFFERING EXISTING CONDITIONS WHICH ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO THE START OF WORK.

H. THE CONTRACTOR SHALL REMOVE ALL EXISTING EXTERIOR CONDUIT, PIPING, LIGHTING FIXTURES, LIGHTNING PROTECTION SYSTEMS AND ANY OTHER ITEMS WHICH INTERFERE WITH THE INSTALLATION OF THE NEW ROOFING COMPONENTS AND RELATED WORK. ALL SUCH EQUIPMENT AND ITEMS SHALL BE TEMPORARILY RE-ROUTED AS NECESSARY IF IT IS REQUIRED TO STAY IN SERVICE. ANY ITEMS NOT REQUIRED TO STAY IN SERVICE SHALL BE PROPERLY STORED BY THE CONTRACTOR AND REINSTALLED AT THE COMPLETION OF THE WORK. ALL WORK SHALL BE PERFORMED BY QUALIFIED, LICENSED CRAFTSMAN IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING WORK WHICH DOES NOT CONFORM TO APPLICABLE CURRENT CODES SHALL BE REPORTED TO THE OWNER IN WRITING PRIOR TO THE REMOVAL. INSTALL NEW OR EXISTING LIGHTNING PROTECTION COMPONENTS BY QUALIFIED, LICENSED LIGHTNING PROTECTION INSTALLER WITH MINIMUM 5 YEARS EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS IN ACCORDANCE WITH NFPA-780 AND ALL APPLICABLE BUILDING CODES. MAINTAIN OPERATION OF THE LIGHTNING PROTECTION SYSTEM THROUGHOUT CONSTRUCTION.

I. ALL DEPICTED COMPONENTS ON DRAWINGS ARE NEW UNLESS IDENTIFIED AS EXISTING.

J. AT ALL TRANSITION FLASHINGS INCLUDING INSIDE AND OUTSIDE CORNERS, TERMINATIONS, AND INTERFACES WITH ADJACENT DETAILS, PREPARE TRANSITION FLASHING MOCK-UP FOR THE ARCHITECT'S APPROVAL OF EACH DETAIL. FULLY SOLDER OR WELD ALL NON-MOVING JOINTS.

GENERAL NOTES:

A. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD. THIS SHALL INCLUDE VERIFYING THE EXACT LOCATIONS, DIMENSIONS AND QUANTITIES OF ALL ROOFTOP EQUIPMENT AND PENETRATIONS WHICH INCLUDES, BUT IS NOT LIMITED TO VENT PIPES, DRAINS, FLUE PIPES, CURBS, BASE FLASHING AND ALL OTHERS PENETRATIONS AND WORK ASSOCIATED WITH THIS ROOFING REPLACEMENT PROJECT. THE CONTRACTOR SHALL NOTIFY THE OWNER, IN WRITING, OF ALL EXISTING CONDITIONS WHICH ARE IN VARIANCE WITH THE CONDITIONS DOCUMENTED HEREIN.

B. THE BUILDING MAY BE FULLY OR PARTIALLY OCCUPIED; CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF ALL PERSONS AT THE PROJECT SITE.

C. CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN, INCLUDING ADJACENT ROOFS, GROUNDS, EXTERIOR SURFACES AND THE INTERIOR OF THE BUILDING. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO ASPHALT, WATER, DUST, DEBRIS AND PHYSICAL DAMAGE. ALL SURFACES SHALL BE RESTORED TO THEIR PRE-DAMAGE CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER.

D. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL CODES AND AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

E. ALL DETAILS INDICATE MINIMUM INSTALLATION REQUIREMENTS. IF THE MANUFACTURERS STANDARDS DETAILS ARE MORE STRINGENT, IN THE OPINION OF THE OWNER, THEY SHALL GOVERN. IF THE DETAILS SHOWN ARE MORE STRINGENT THAN THE MANUFACTURERS STANDARD DETAILS, IN THE OPINION OF THE OWNER, THE DETAILS SHOWN SHALL GOVERN, REGARDLESS OF THE MANUFACTURERS WILLINGNESS TO WARRANT / GUARANTY THE LESSER DETAIL. BY SUBMITTING A BID FOR THIS PROJECT, IT IS UNDERSTOOD THAT THE CONTRACTOR AND MANUFACTURER AGREE TO WARRANT / GUARANTY THE DETAILS SHOWN. THE OWNER MAY, BUT IS NOT OBLIGATED TO, ACCEPT ANY PROPOSED CHANGES TO THE DETAILS SHOWN.

F. THE CONTRACTOR IS TO PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE AND WATERTIGHT JOB WHICH IS FULLY WARRANTED / GUARANTEED BY THE MANUFACTURER AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. ANY DETAILS OR WORK REQUIRED FOR A COMPLETE JOB, BUT NOT SHOWN OR SPECIFIED BY THE CONTRACT DOCUMENTS, SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER. ANY ADDITIONAL LABOR AND MATERIAL REQUIRED TO MEET MANUFACTURERS WARRANTY / GUARANTY REQUIREMENTS, BUT NOT INDICATED BY THE CONTRACT DOCUMENTS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

G. ALL WOOD BLOCKING USED IN THE ROOFING WORK SHALL BE FIRE RETARDANT / PRESSURE TREATED.

H. LAYDOWN/STORAGE AREA IS LIMITED AND SHALL BE AS APPROVED BY THE OWNER.

I. PRIOR TO PERFORMING WORK, CONTRACTOR SHALL INSPECT WORK SITE AND EXISTING CONSTRUCTION FOR POTENTIAL SAFETY HAZARDS. PROVIDE FOR THE SAFETY AND PROTECTION OF WORKERS AND OCCUPANTS THROUGHOUT COURSE OF WORK. COMPLY WITH OSHA REQUIREMENTS.

J. BUILDING ACCESS IS RESTRICTED AND ALLOWED ONLY AS REQUIRED TO ACCOMPLISH CONTRACT WORK. COORDINATE ANY REQUIRED ACCESS WITH THE OWNER.

K. SITE SHALL BE CLEANED AND SECURED ON A DAILY BASIS AT THE END OF EACH WORK SHIFT.

SPECIFIC NOTES:

A. FIELD VERIFY ALL EXISTING ROOF SLOPES. INSTALL 1/4" PER FOOT NET SLOPE CRICKETS ADJACENT TO UPPER EDGE OF ALL ROOF MOUNTED EQUIPMENT.

B. PROVIDE ROOF TRAFFIC PADS 3 FEET AROUND ALL POWERED ROOF MOUNTED EQUIPMENT.

C. EQUIPMENT CURBS ARE TO BE A MINIMUM OF 8 INCHES ABOVE THE ROOF SURFACE. WHERE ROOF MATERIALS EXTEND BENEATH THE UNIT, ON RAISED EQUIPMENT SUPPORTS, PROVIDE A MINIMUM CLEARANCE HEIGHT IN ACCORDANCE WITH FBC TABLE 1509.7.

D. CONNECT DOWNSPOUT TO UNDERGROUND DRAINAGE SYSTEM. IF THERE IS NO UNDERGROUND DRAINAGE SYSTEM, THE DOWNSPOUT SHALL DISCHARGE ONTO A CONCRETE SPLASH BLOCK.

E. INSTALL ADDITIONAL MEMBRANE STRIPPING PILES UNDER CONDUIT SUPPORTS, PIPE SUPPORT BRACKETS AND LIGHTNING PROTECTION BASES.

CONSTRUCTION DOCUMENTS	
INDIAN RIVER COUNTY	
INDIAN RIVER COUNTY AQUATIC FACILITY	
INDIAN RIVER COUNTY, FLORIDA	
ROOFING REPLACEMENT	
PROJECT NUMBER: 19-030	
	
JAY AMMON ARCHITECT, INC.	
3346 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779	
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REVISIONS		
NUMBER	TYPE	DATE:

DRAWN BY: <u> LRH </u>	PROJECT NUMBER: <u> 18-012 </u>
APPROVED BY: <u> JPA </u>	PHASE: <u> 90% DOCUMENTS </u>
ENGINEER: _____	DATE: <u> JUNE 7, 2019 </u>

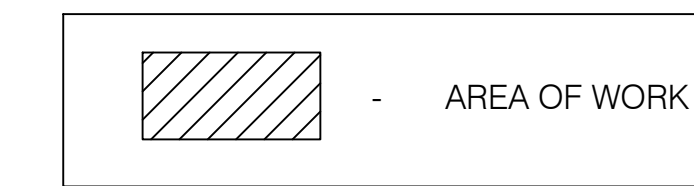
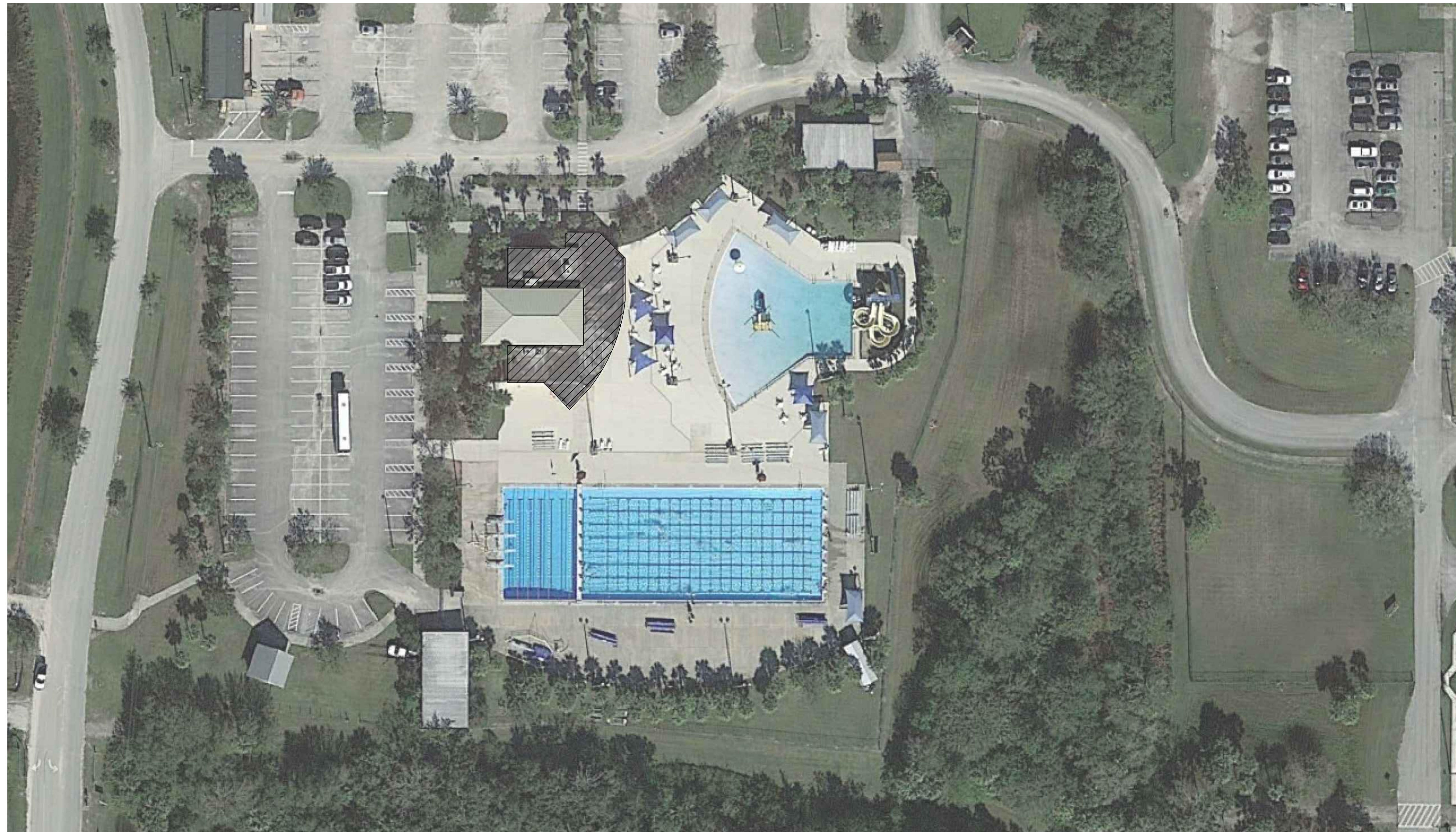
GENERAL NOTES

PLOT: N.T.S. SHEET

A1.2

CONSTRUCTION SITE NOTES:

1. **CONSTRUCTION LIMITS:** LIMITS ARE WITHIN 10 FEET MAXIMUM OF BUILDINGS EXCEPT WHERE OTHERWISE INDICATED.
2. **CONSTRUCTION STAGING AREA:** FENCE PERIMETER USING 8'-0" HIGH CHAIN LINK FENCE. COORDINATE IN THE FIELD WITH REPRESENTATIVE FROM THE OWNER FOR SPECIFIC LOCATION.
3. **ACCESSIBLE PATHS:** THE ACCESSIBLE PATH DESIGNATED MUST BE LEFT UNIMPEDED THROUGHOUT THE CONSTRUCTION. PROVIDE BARRIERS BETWEEN THE CONSTRUCTION AND THE ACCESSIBLE PATH AS NECESSARY TO PROVIDE SAFE ACCESS.



CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
 3346 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-4686 • E-MAIL: JAY@JAYAMMON.COM

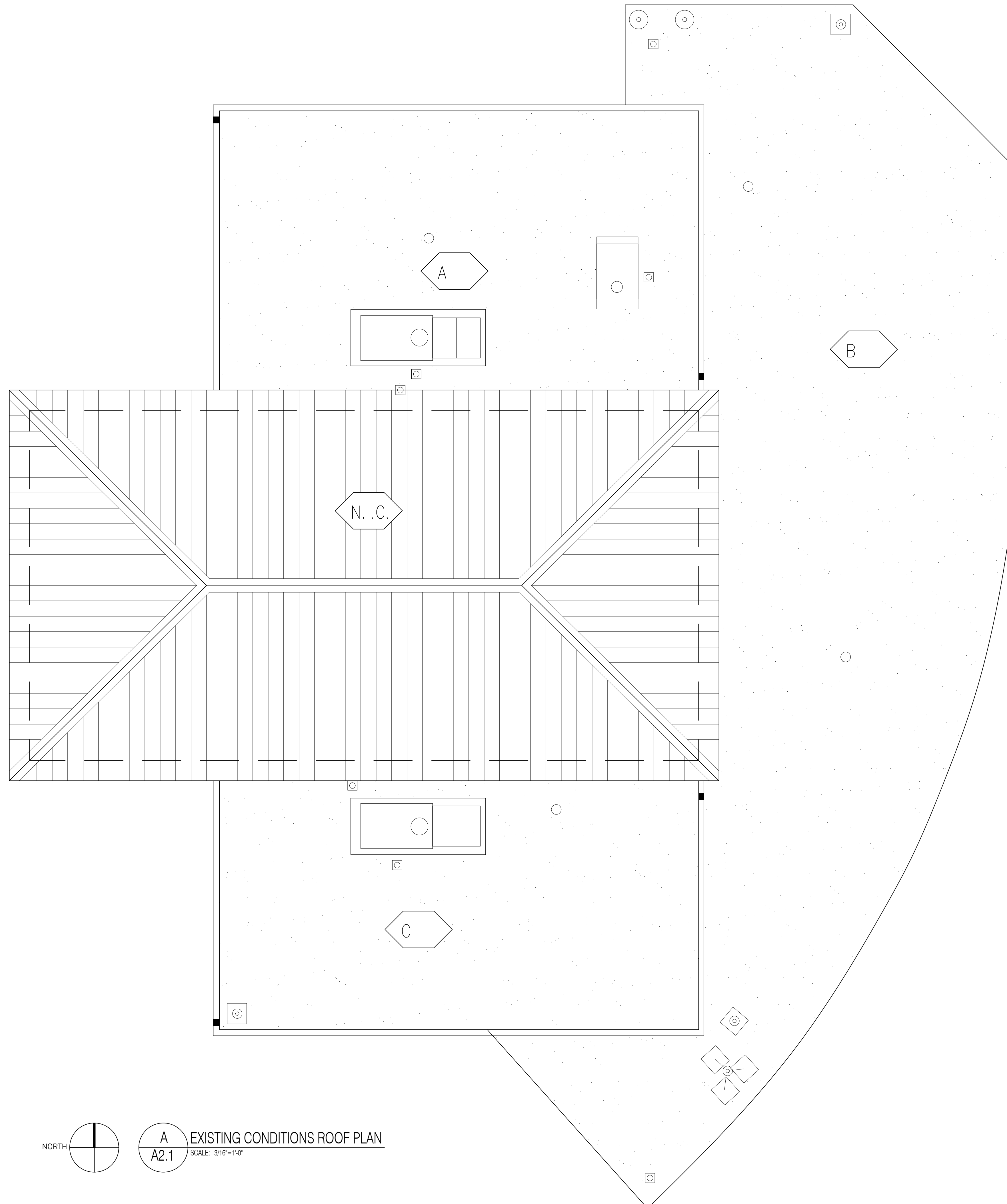
REVISIONS			
NUMBER	TYPE	DATE	

DRAWN BY: LRH PROJECT NUMBER: 18-012
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: _____ DATE: JUNE 7, 2019

SITE PLAN
A1.3
 PLOT: N.T.S. SHEET

LEGEND

SYMBOL	DESCRIPTION
	PERIMETER ROOF EDGE
	PERIMETER ROOF EDGE WITH GUTTER
	GUTTER EXPANSION JOINT
	ROOF RIDGE
	PLUMBING VENT
	PITCH POCKET
	EXISTING MECHANICAL EQUIPMENT
	LIGHTNING SENSOR
	LIGHTNING SENSOR
	EXISTING MODIFIED BITUMEN ROOFING MEMBRANE
	EXISTING METAL ROOF N.I.C.
	ROOF AREA DESIGNATION
	NOT IN CONTRACT



SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED, CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE, AND INSTALL SPLAYST ZONO-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOFS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER AS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A-3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 1/2" DENS-DECK PRIME COVER BOARD SECURED WITH 3/8" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE. FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW .050" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURERS INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SHIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURERS INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERM-A-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURERS INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 2" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/4" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

EXISTING ROOFING ASSEMBLY NOTES: EXISTING ROOFING ASSEMBLY THICKNESSES ARE APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO ROOF ASSEMBLY THICKNESSES.

EXISTING ROOFING ASSEMBLY - TYPE 1

ROOF COMPONENTS	
ROOF COVER	MODIFIED BITUMEN ROOF MEMBRANE
INSULATION	LIGHT WEIGHT INSULATING CONCRETE
METAL DECK	STRUCTURAL DECK
ROOF FLASHINGS	STAINLESS STEEL AND PAINTED STEEL
DRAINAGE	ROOF GUTTER AND ROOF EDGE

EXISTING METAL PANEL ROOF - N.I.C.

NORTH

A
A2.1

EXISTING CONDITIONS ROOF PLAN

SCALE: 3/16"=1'-0"

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
 3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-4686 • E MAIL: JAY@JAYAMMON.COM

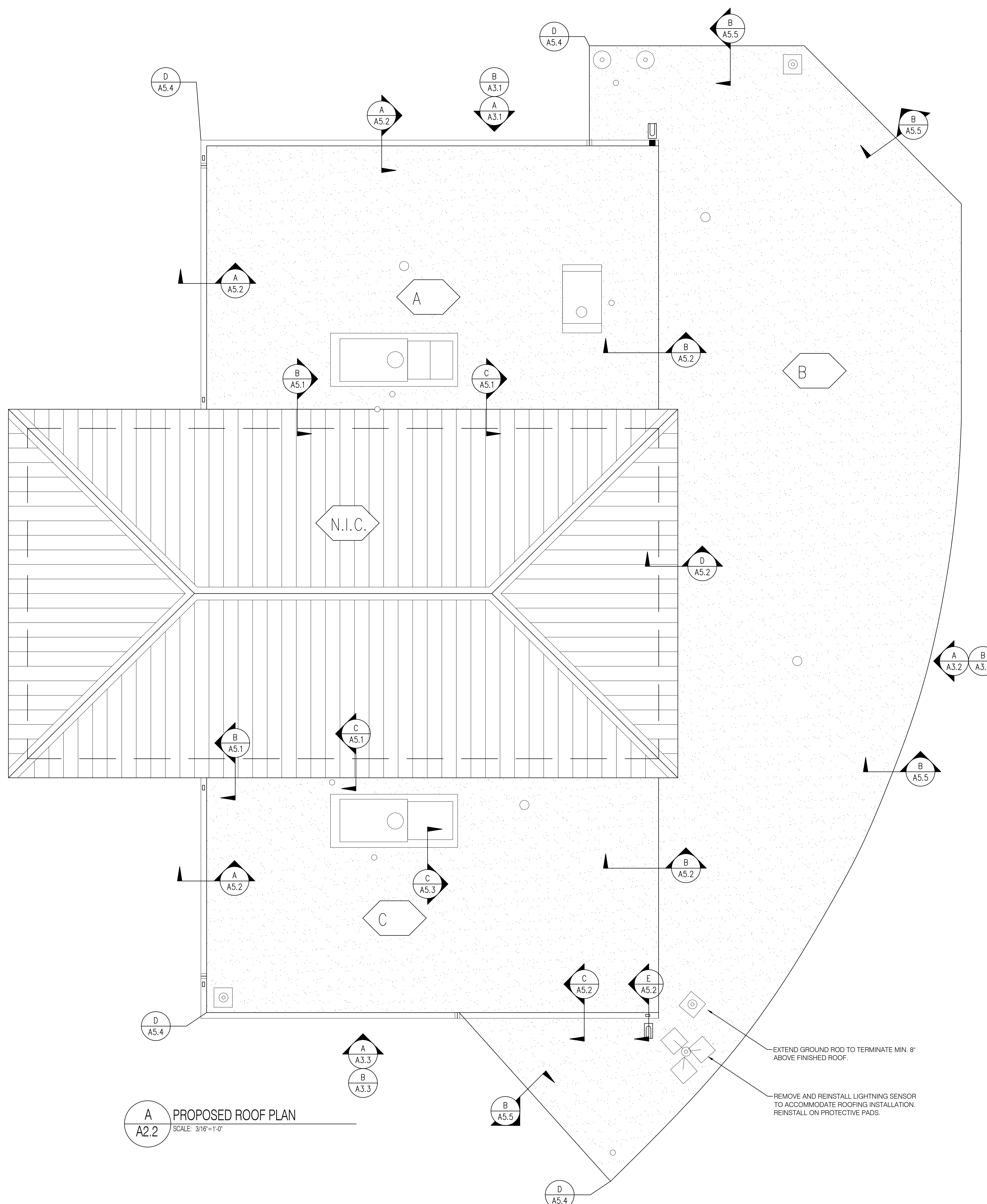
REVISIONS	
NUMBER	DATE

DRAWN BY: JBA PROJECT NUMBER: 18-012
 APPROVED BY: JBA PHASE: 80% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

EXISTING CONDITIONS ROOF PLAN
A2.1

FL07/16" = 1'-0" SHEET

SYMBOL	DESCRIPTION	DETAIL DESIGNATION	SCOPE OF WORK ITEM
	PERIMETER ROOF EDGE	B A5.2, B A5.5	1.7
	PERIMETER ROOF EDGE WITH GUTTER	A A5.2, C A5.2	1.9
	GUTTER EXPANSION JOINT	I A5.4	1.9
	ROOF RIDGE		N.I.C.
	PLUMBING VENT	D A5.3, E A5.3, F A5.3	1.4
	PITCH POCKET	D A5.3, E A5.3, F A5.3	1.10
	EXISTING MECHANICAL EQUIPMENT	C A5.3	1.11
	LIGHTNING SENSOR BASE		1.3
	LIGHTNING SENSOR	D A5.3, E A5.3, F A5.3	1.3
	PROPOSED MODIFIED BITUMEN ROOFING MEMBRANE	A A5.1	1.0
	EXISTING METAL ROOF N.I.C.		N.I.C.
	CONCRETE SPLASH BLOCK	E A5.2	1.9
	ROOF AREA DESIGNATION		
	NOT IN CONTRACT		
	SECTION DESIGNATION		
	DETAIL DESIGNATION		
	ELEVATION DESIGNATION		



PROPOSED ROOFING ASSEMBLY - TYPE 1

	ROOF COMPONENTS
ROOF COVER	MODIFIED BITUMEN ROOF MEMBRANE
INSULATION	LIGHT WEIGHT INSULATING CONCRETE
METAL DECK	STRUCTURAL DECK
ROOF FLASHINGS	STAINLESS STEEL OR ALUMINUM
DRAINAGE	ROOF GUTTER AND ROOF EDGE

EXISTING METAL PANEL ROOF - N.I.C.

A A2.2 PROPOSED ROOF PLAN
SCALE: 3/16" = 1'-0"

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED, CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE. AND INSTALL SPLAST ZONO-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOFS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER AS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A-3.3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 1/2" DENS-DECK PRIME COVER BOARD SECURED WITH 3" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE. FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW .050" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURERS INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SHIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURERS INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERMA-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURERS INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 1/2" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT OF SOFFIT. INSTALL NEW SUBSTRATE 3/8" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PRO-AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS

INDIAN RIVER COUNTY
INDIAN RIVER COUNTY AQUATIC FACILITY
INDIAN RIVER COUNTY, FLORIDA
ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JBA PROJECT NUMBER: 18-012
APPROVED BY: JBA PHASE: 80% DOCUMENTS
ENGINEER: DATE: JUNE 7, 2019

PROPOSED ROOF PLAN
A2.2
PLOT/116" = 1'-0" SHEET

LEGEND:

- ===== PARAPET WALL
- ROOF EDGE
- (A) ROOF AREA DESIGNATION
- (1) ZONE NUMBER
- EDGE OF WIND ZONE

WIND PRESSURES:

WIND DESIGN FOR ROOFING COMPONENTS AND CLADDING: ASCE 7-10, Valt=170 mph wind, Vasd=116 mph wind, category III, Exposure "C", Kd = 0.85, h = VARIES ft., ENCLOSED BUILDING: GCp1 = ± 0.18. (VALUES USED TO MEET FM 1-28 "WIND DESIGN" FOR 1-90 WIND RATING) WIND UPLIFT PRESSURES SHOWN ARE GROSS PRESSURES FOR CORNER ZONE, EDGE ZONE, AND FIELD ZONE FOR ROOF COMPONENTS AND CLADDING (C & C). AREA ≤ 10 SF. WIND HAS BEEN CHECKED FOR AN ENCLOSED STRUCTURE AT EACH ROOF SLOPE AND HIGHEST WIND PRESSURES ARE SHOWN FOR EACH AREA. FLORIDA BUILDING CODE 2017, ASCE 7-10.

WIND PRESSURES ROOF AREA A

WIND UPLIFT PRESSURE LEGEND:	ASCE 7-10 ROOF C & C DESIGN PRESSURES
ROOF AREAS A - HEIGHT = 15'-0"	
1 ZONE 1 - FIELD ZONE (1)	-42.3 PSF
ZONE 2 - EDGE ZONE (2)	-71.0 PSF
ZONE 3 - CORNER ZONE (3)	-106.9 PSF
ZONE 4 - WALL EDGE PERIMETER (4)	-45.9 PSF
ZONE 5 - WALL EDGE CORNERS (5)	-56.6 PSF

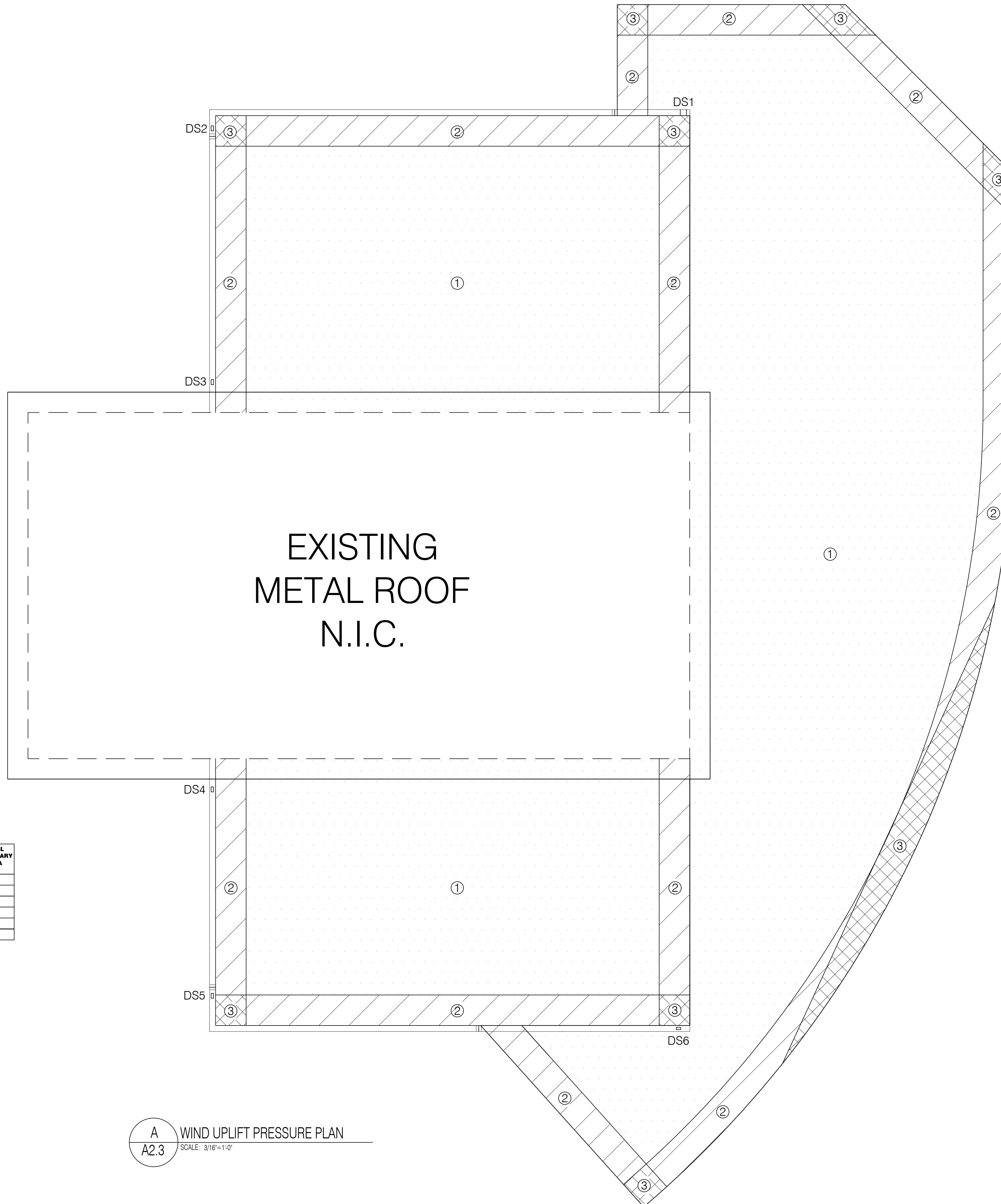
DEPTH OF PERIMETER AND CORNER ZONES FROM ROOF EDGE - '0' DIMENSION IS 3 FEET U.N.O.

ROOF DRAINAGE CALCULATIONS -

ROOF DRAIN/SCUPPER TRIBUTARY DESIGNATION	PRIMARY ROOF DOWNSPOUT SIZE	SECONDARY OVERFLOW DRAINAGE DESIGNATION	ROOF AREA (SQ. FT.)	ADDITIONAL ROOF AREA (SQ. FT.)	WALL AREA (SQ. FT.)	TOTAL TRIBUTARY AREA
DS1	4" DIAMETER	N/A	108	75	0	183
DS2	4" DIAMETER	N/A	596	410	0	1006
DS3	4" DIAMETER	N/A	316	218	71	570
DS4	4" DIAMETER	N/A	316	218	71	570
DS5	4" DIAMETER	N/A	596	410	0	1006
DS6	4" DIAMETER	N/A	108	75	0	183

ROOF DRAINAGE LEGEND

SYMBOL	DESCRIPTION
DS #0	PRIMARY ROOF DOWNSPOUT



SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEMS DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE, AND INSTALL ISPLAST ZONO-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYURETHANE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5-YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOFS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER PAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A-3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 1/2" DENS-DECK PRIME COVER BOARD SECURED WITH 3/4" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE, FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW .050" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURERS INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURERS INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERM-A-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURERS INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 1" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/4" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPS AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS

INDIAN RIVER COUNTY
INDIAN RIVER COUNTY AQUATIC FACILITY
INDIAN RIVER COUNTY, FLORIDA
ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
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REVISIONS		DATE:
NUMBER	TYPE	

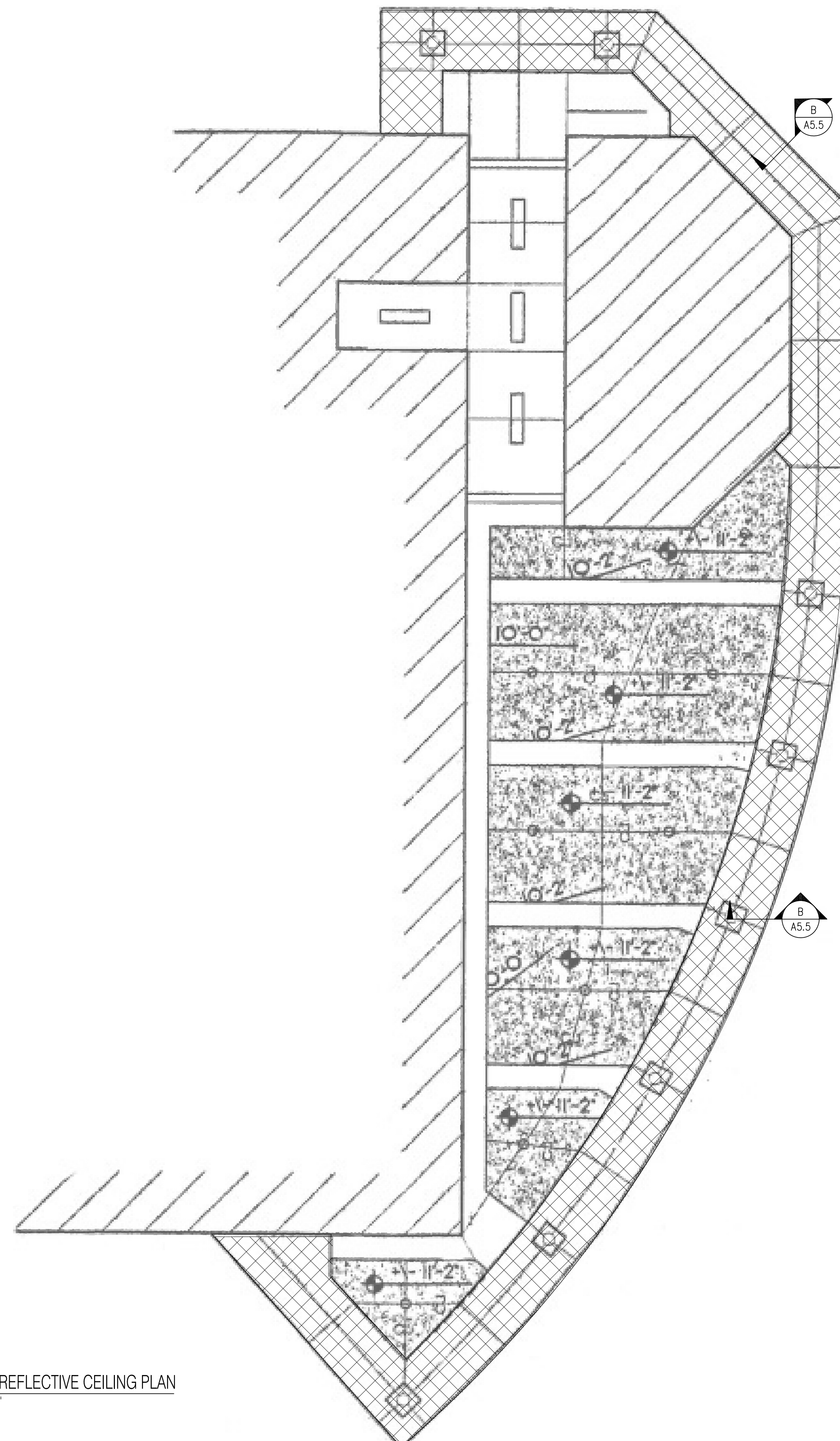
DRAWN BY: JBA PROJECT NUMBER: 18-012
APPROVED BY: JBA PHASE: 80% DOCUMENTS
ENGINEER: DATE: JUNE 7, 2019

WIND UPLIFT PRESSURE PLAN
A2.3
PLOT: 3/16" = 1'-0" SHEET

A
A2.3 WIND UPLIFT PRESSURE PLAN
SCALE: 3/16"=1'-0"

LEGEND

SYMBOL	DESCRIPTION	DETAILS								
	NEW SOFFIT ASSEMBLY. SEE SCOPE OF WORK 3.1	<table border="1"> <tr> <td>B</td> <td>C</td> <td>D</td> <td>E</td> </tr> <tr> <td>A5.5</td> <td>A5.5</td> <td>A5.5</td> <td>A5.5</td> </tr> </table>	B	C	D	E	A5.5	A5.5	A5.5	A5.5
B	C	D	E							
A5.5	A5.5	A5.5	A5.5							



SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE AND INSTALL SPLAST ZONO-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOFS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

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1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 1/2" DENS-DECK PRIME COVER BOARD SECURED WITH 3/8" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE. FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-Piece COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE-WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIS/SPR1 ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW .050" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSIS/SPR1 ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SHIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERMA-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 2" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 6" OF SOFFIT. INSTALL NEW SUBSTRATE 3/4" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PRO-AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS

INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LRH PROJECT NUMBER: 19-030
 APPROVED BY: JPA PHASE: 80% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

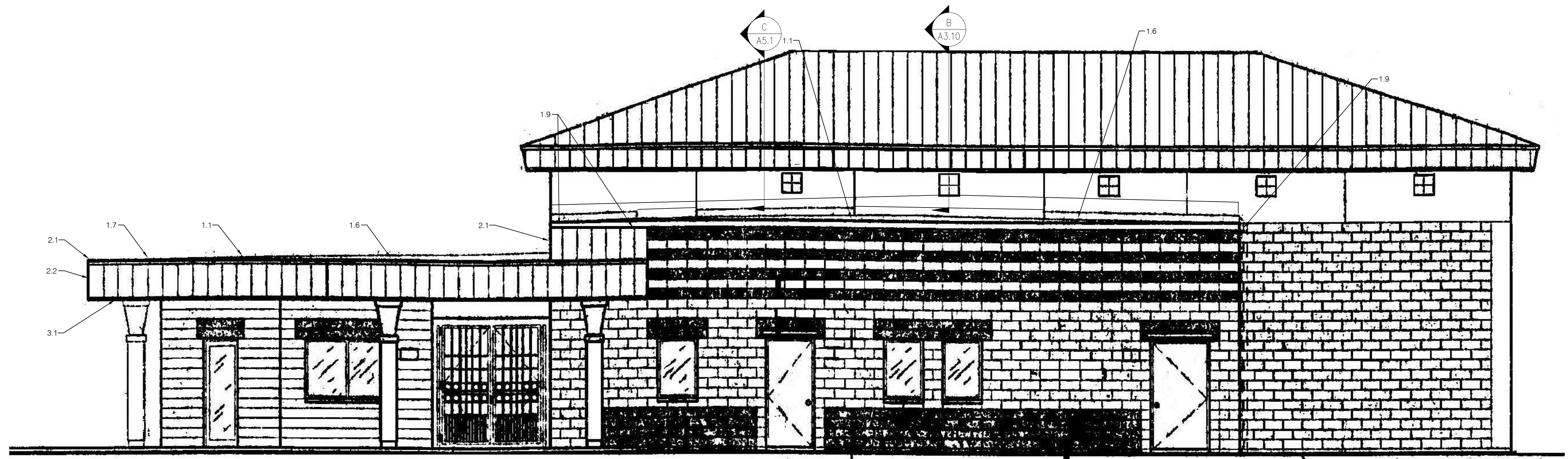
CANOPY REFLECTIVE
 CEILING PLAN
 A2.4

PLOT: 3/16" = 1'-0" SHEET

A
 A2.4 CANOPY REFLECTIVE CEILING PLAN
 SCALE: 3/16"=1'-0"



A
A3.1
SCALE: 1/16" = 1'



B
A3.1
SCALE: 1/16" = 1'

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY IDENTIFIED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A1 AND A2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE AND INSTALL SPLAST CONC-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CAITS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOF TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A2.3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 2" DENS-DECK PRIME COVER BOARD SECURED WITH 3/8" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE. FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDER WELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 07.0216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSISPR1 ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESEAL ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW .050" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSISPR1 ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CEILING WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERMA-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 07.0100.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 1/2" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSINK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/8" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS

INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

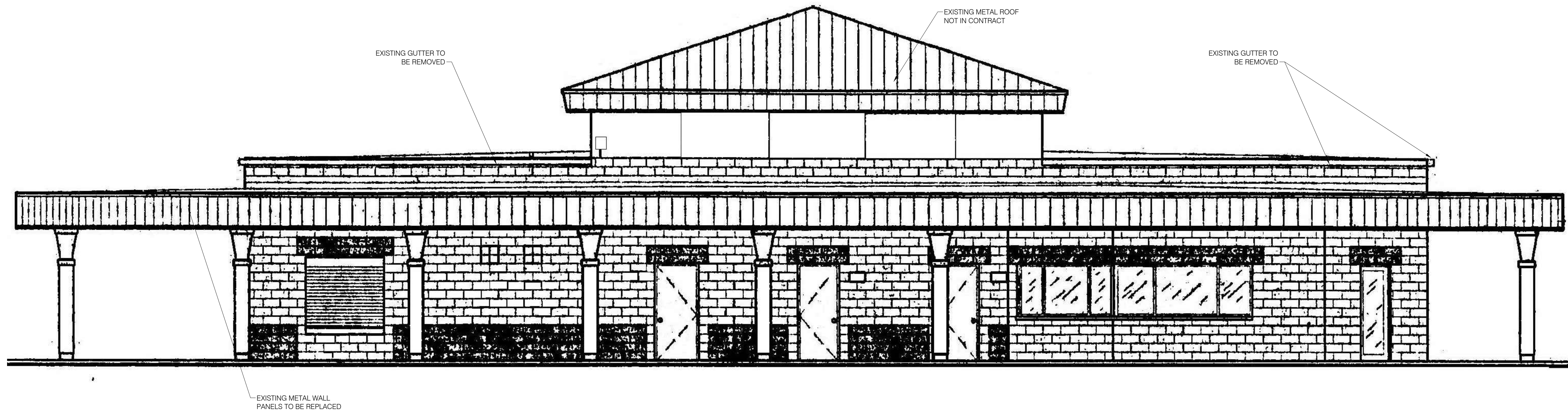
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REVISIONS		
NUMBER	TYPE	DATE

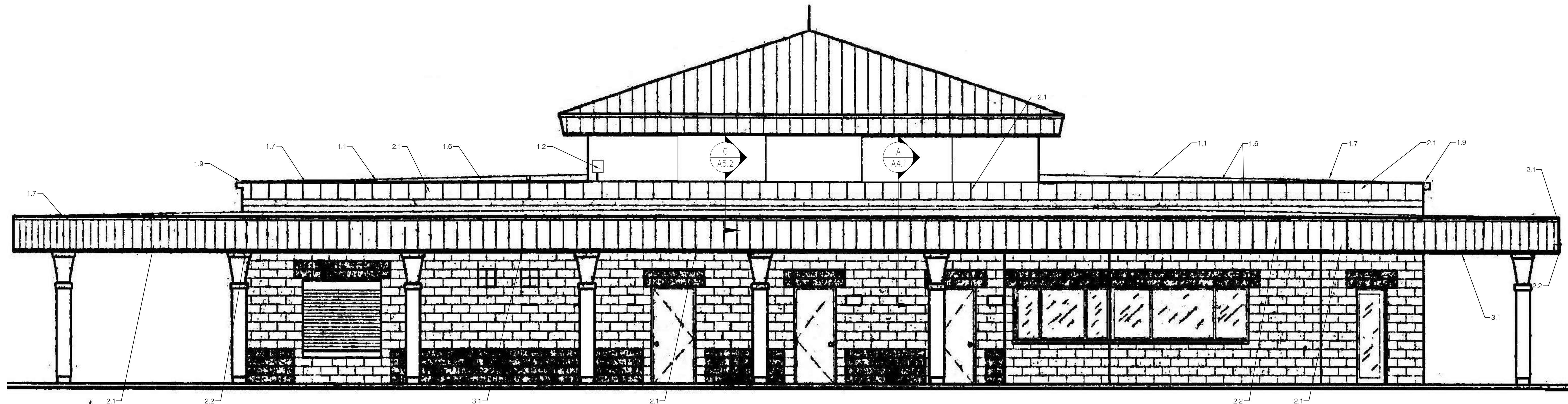
DRAWN BY: LBH PROJECT NUMBER: 18-012
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 3, 2019

EXISTING AND PROPOSED NORTH ELEVATIONS

PLOT: 1/16" = 1'-0" SHEET: A3.1



A
A3.2
SCALE: 1/16" = 1'



B
A3.2
SCALE: 1/16" = 1'

SCOPE OF WORK:
 0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A1.1 AND A1.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
 1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE AND INSTALL SPLAST ZONE-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO, ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CAITS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF AREA TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOFS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A2.3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACH 3/8" DENS-DECK PRIME COVER BOARD SECURED WITH 3/8" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSISPR1 ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW 360° PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSISPR1 ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:
 2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CRESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRADE PERMA-BARRIER SELF-ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074100.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 1/2" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:
 3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/8" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:
 4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LBH PROJECT NUMBER: 19-030
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

EXISTING AND PROPOSED
 EAST ELEVATIONS
 A3.2
 PLOT: 1/16" = 1'-0" SHEET

SCOPE OF WORK:
 0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A1.1 AND A1.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
 1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE AND INSTALL SPLASH CONC-PATCH PATCHING COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED, INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS, AND CAVITS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATER-TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF AREA TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. RODS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN, REMOVE METAL AND MEMBRANE FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A2.3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 3/8" DENS-DECK PRIME COVER BOARD SECURED WITH 3/8" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT. AT LOW WINDOW FLASHING, INSTALL SURFACE APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 07.0218.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW 600' PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSIS/SPRI ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLEISTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERMA-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 07.0110.

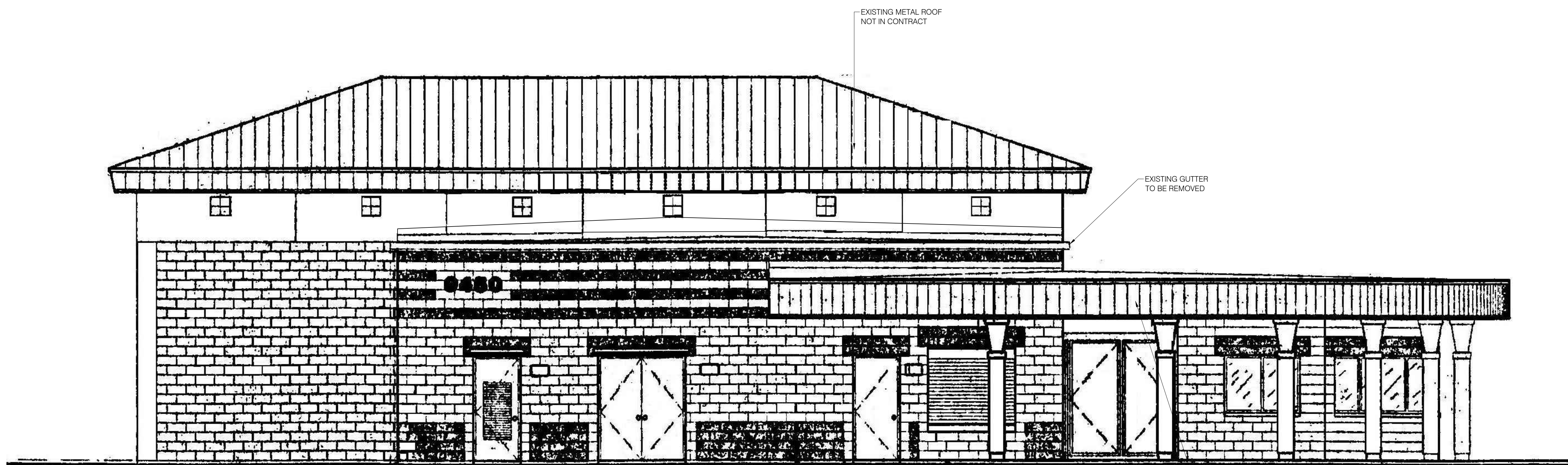
2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 1/2" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

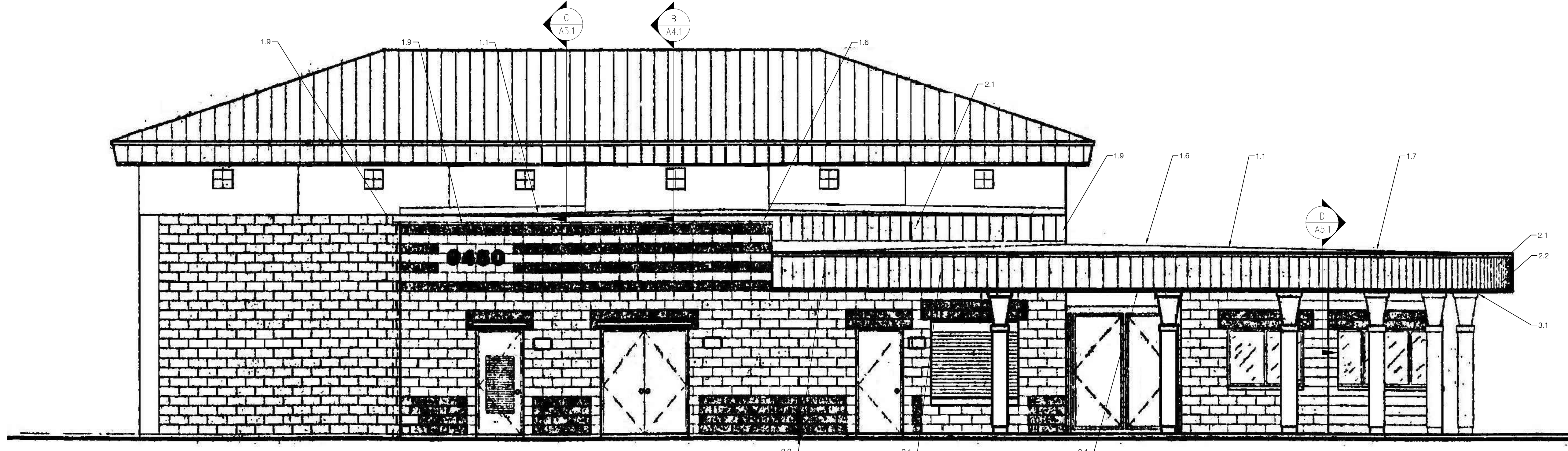
3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/4" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.



A
A3.3 EXISTING SOUTH ELEVATION
 SCALE: 1/16" = 1'



B
A3.3 PROPOSED SOUTH ELEVATION
 SCALE: 1/16" = 1'

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
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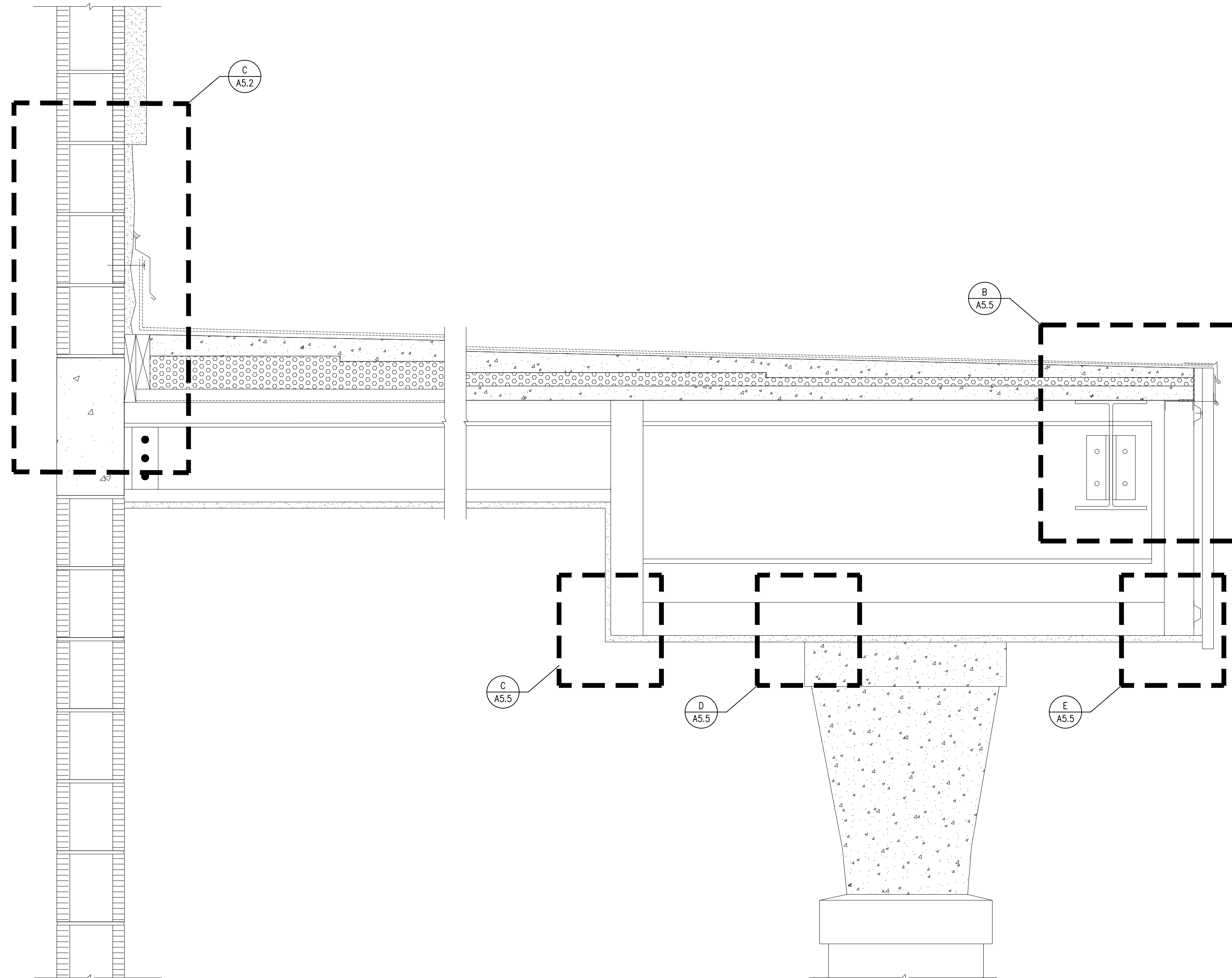
REVISIONS		
NUMBER	TYPE	DATE

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 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

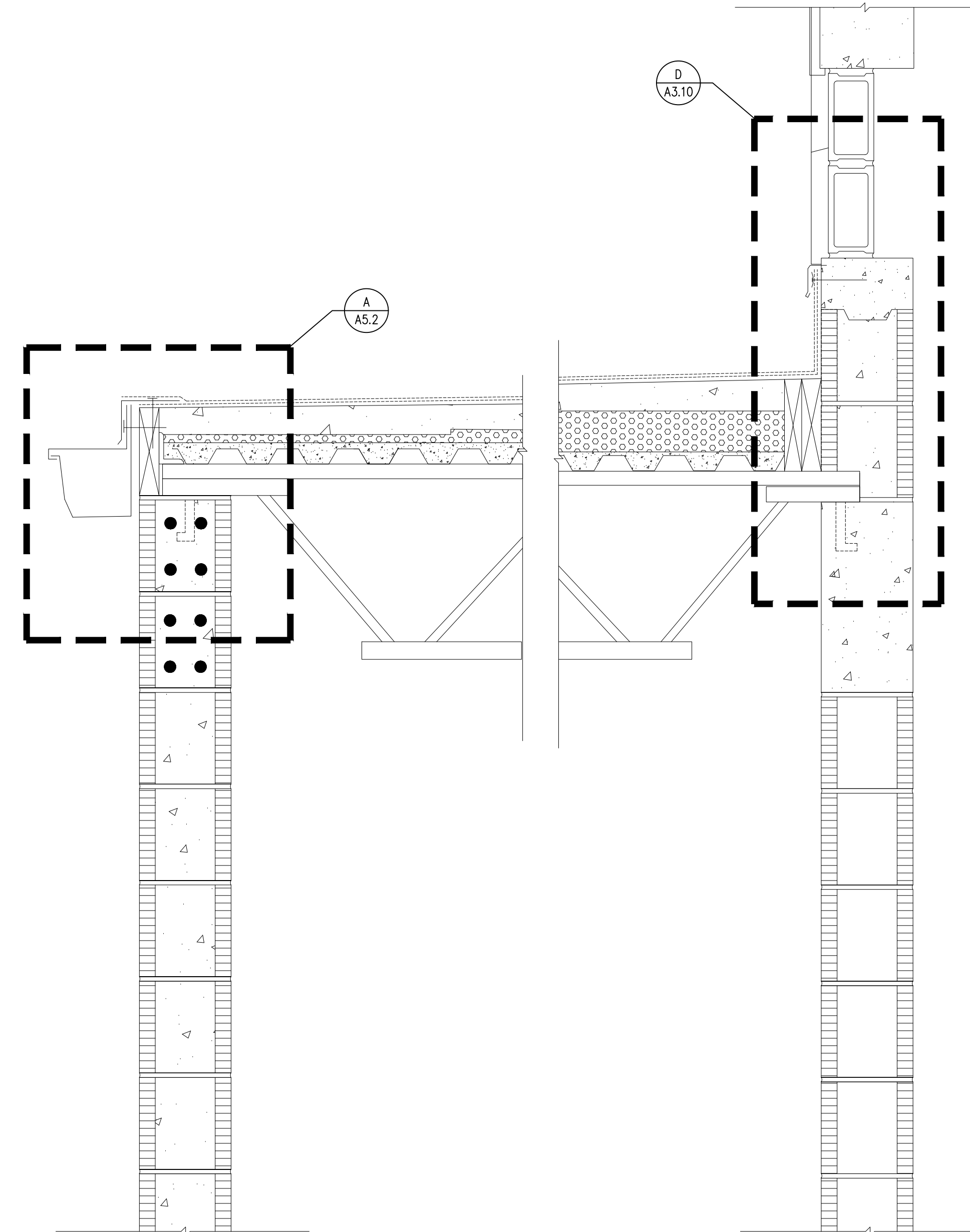
EXISTING AND PROPOSED
 SOUTH ELEVATIONS
A3.3

LEGEND

SYMBOL	DESCRIPTION
X XX	PROPOSED DETAIL DESIGNATION



A
A4.1 EXISTING SECTION AT CANOPY
SCALE: 1 1/2" = 1'



B
A4.1 EXISTING SECTION AT ROOF
SCALE: 1 1/2" = 1'

MATERIAL COMPONENT SCHEDULE

ROOF INSULATION SPECIFICATION SECTION 07220
COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECURROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.
RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, GRADE 2, FLAT INSULATION BOARDS. INSTALL TAPERED INSULATION OVER FLAT INSULATION WHERE DESIGNATED AND AS REQUIRED TO ACHIEVE A 1/4 INCH PER FOOT POSITIVE SLOPE WITH NO PONDING AFTER 24 HOUR DRYING TIME. TAPERED INSULATION SHALL BE FABRICATED AT ZERO INCH THICKNESS AT THIN EDGE.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216
BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLEAST.
BASE FLASHING - OUTER PLY: SBS METAL CLADDED SURFACED MODIFIED BITUMEN, ASTM D 6298, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "VERAL ALUMINUM" MANUFACTURED BY SIPLEAST.
BASE SHEET: LIGHTWEIGHT RANDOM FIBROUS GLAS MAT IMPREGANATED AND COATED WITH A SPECIALLY FORMULATED, HIGH QUALITY, OXIDIZED ASPHALT, ASTM D 4601 TYPE II MECHANICALLY ATTACHED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARABASE" BY SIPLEAST.
CANT STRIP: HIGH-DENSITY, LAMINATED PERLITE BOARD.
CAP SHEET: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "PARADIENE 30 FR TG BW" MANUFACTURED BY SIPLEAST.
INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLEAST.
LIQUID-APPLIED FLASHING: A FIBERGLASS REINFORCED MULTI-COMPONENT PMMA FLASHING SYSTEM BY ROOF MEMBRANE MANUFACTURER.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. BASIS OF DESIGN: PARATHREAD BY SIPLEAST.
SELF-ADHERED UNDERLAYMENT: 045" SELF-ADHERED MODIFIED BITUMEN, ASTM E2357, (GCPAT "PERM-A-BARRIER HT") ADHERED OVER PRIMED SUBSTRATE BELOW.
STRIPPING PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLEAST.

FLASHING, GUTTERS, DOWNSPOUTS, SHEET METAL AND OTHER ACCESSORIES SPECIFICATION SECTION 07600
CONCEALED SPLICE PLATE: 22 GAUGE STAINLESS STEEL, TYPE 304. 12 INCH LONG SEALED TO METAL FLASHINGS.
DOWNSPOUT: 040 ALUMINUM, 060 ALUMINUM AT BOTTOM 6', PRIMED AND PAINTED AS APPROVED BY OWNER.
DOWNSPOUT STRAPS: 22 GAUGE STAINLESS STEEL, TYPE 304.
GUTTER: 050 ALUMINUM, ASTM B209
GUTTER BRACKET: 1/8" THICK X 1" BENT ALUMINUM, ASTM B209
GUTTER STRAP: 050 ALUMINUM, ASTM B209
METAL CLEAT: 20 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE I: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE II: 040 ALUMINUM, ASTM B209
METAL EDGE: 050 ALUMINUM, ASTM B209
METAL RECEIVER FLASHING: 040 ALUMINUM, ASTM B209
METAL SKIRT FLASHING: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL Z-CLOSURE: 22 GAUGE STAINLESS STEEL, TYPE 316.
ONE-PIECE TRANSITION FLASHING: 040 ALUMINUM, ASTM B209
PLUMBING VENT FLASHING EXTENSION: PRE-FABRICATED PVC EXTENSIONS.
TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL TYPE 304 WITH PRE-PUNCHED HOLES AT 6" O.C.

JOINT SEALANTS SPECIFICATION SECTION 07920
BACKER ROD: CLOSED-CELL BACKER ROD.
BUTYL SEALANT: ONE-PART GUN GRADE, BUTYL-RUBBER BASED JOINT SEALANT, ASTM C 1311.
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.
SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.
STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, "M-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS.
URETHANE SEALANT: SINGLE-COMPONENT, NONSAG, POLYURETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

METAL PANELS SPECIFICATION SECTION 074113
STANDING SEAM PANELS: 0.040" ALUMINUM ALLOY, ASTM B209 WITH 2-COAT FLUOROPOLYMER FINISH AS APPROVED BY OWNER. BASIS OF DESIGN: "SERIES 300" BY IMETCO.
SOFFIT FINISH SPECIFICATION SECTION 099600
TEXTURED ACRYLIC FINISH SYSTEM: BASE COAT, REINFORCING MESH AND FINISH COAT INSTALLED AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS. BASIS OF DESIGN: "TAFS" BY DRYVIT.
L-BEAD: HIGH IMPACT PVC ACCESSORY.

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
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REVISIONS		
NUMBER	TYPE	DATE

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 ENGINEER: DATE: JUNE 7, 2019

EXISTING WALL SECTIONS

MATERIAL COMPONENT SCHEDULE

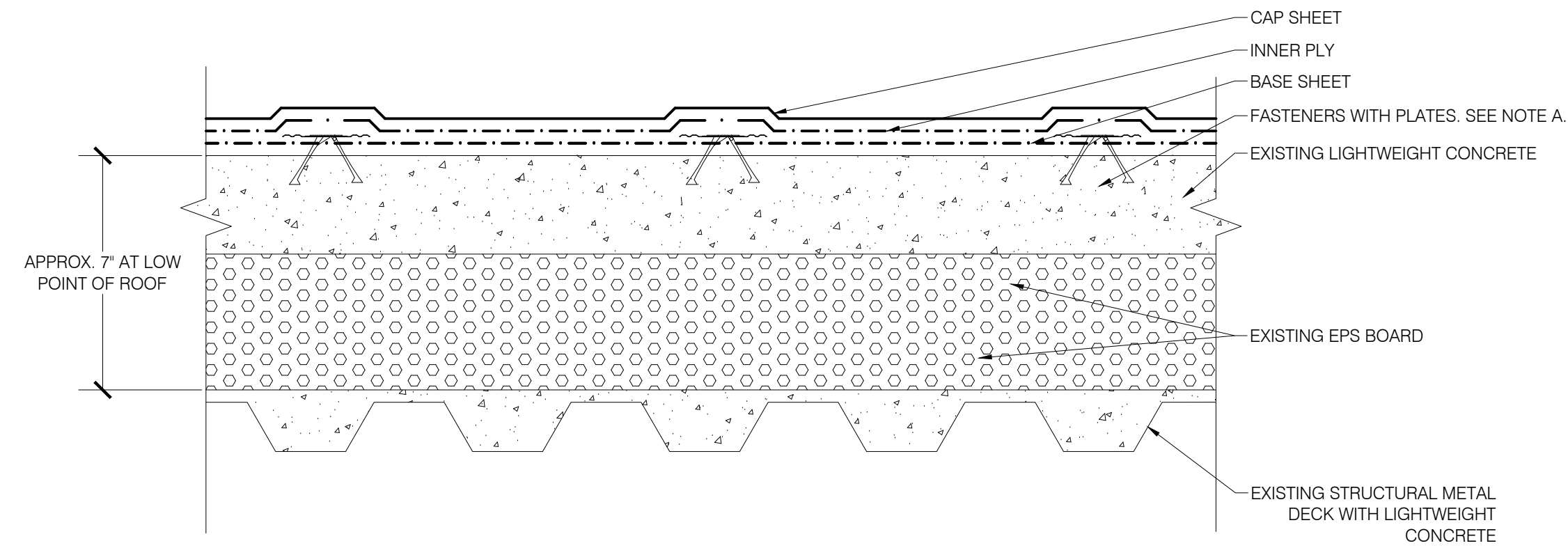
ROOF INSULATION SPECIFICATION SECTION 07220
COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.
RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, GRADE 2, FLAT INSULATION BOARDS. INSTALL TAPERED INSULATION OVER FLAT INSULATION WHERE DESIGNATED AND AS REQUIRED TO ACHIEVE A 1/4 INCH PER FOOT POSITIVE SLOPE WITH NO PONDING AFTER 24 HOUR DRYING TIME. TAPERED INSULATION SHALL BE FABRICATED AT ZERO INCH THICKNESS AT THIN EDGE.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216
BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLAST.
BASE FLASHING - OUTER PLY: SBS METAL CLADDED SURFACED MODIFIED BITUMEN, ASTM D 6298, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "VERAL ALUMINUM" MANUFACTURED BY SIPLAST.
BASE SHEET: LIGHTWEIGHT RANDOM FIBROUS GLAS MAT IMPREGANATED AND COATED WITH A SPECIALLY FORMULATED, HIGH QUALITY, OXIDIZED ASPHALT, ASTM D 4601 TYPE II MECHANICALLY ATTACHED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARABASE" BY SIPLAST.
CANT STRIP: HIGH-DENSITY LAMINATED PERLITE BOARD.
CAP SHEET: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "PARADIENE 30 FR TG BW" MANUFACTURED BY SIPLAST.
INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLAST.
LIQUID-APPLIED FLASHING: A FIBERGLASS REINFORCED MULTI-COMPONENT PMMA FLASHING SYSTEM BY ROOF MEMBRANE MANUFACTURER.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. BASIS OF DESIGN: PARATHREAD BY SIPLAST.
SELF-ADHERED UNDERLAYMENT: 045 SELF-ADHERED MODIFIED BITUMEN, ASTM E2357, (GCPAT "PERM-A-BARRIER HT") ADHERED OVER PRIMED SUBSTRATE BELOW.
STRIPPING PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLAST.

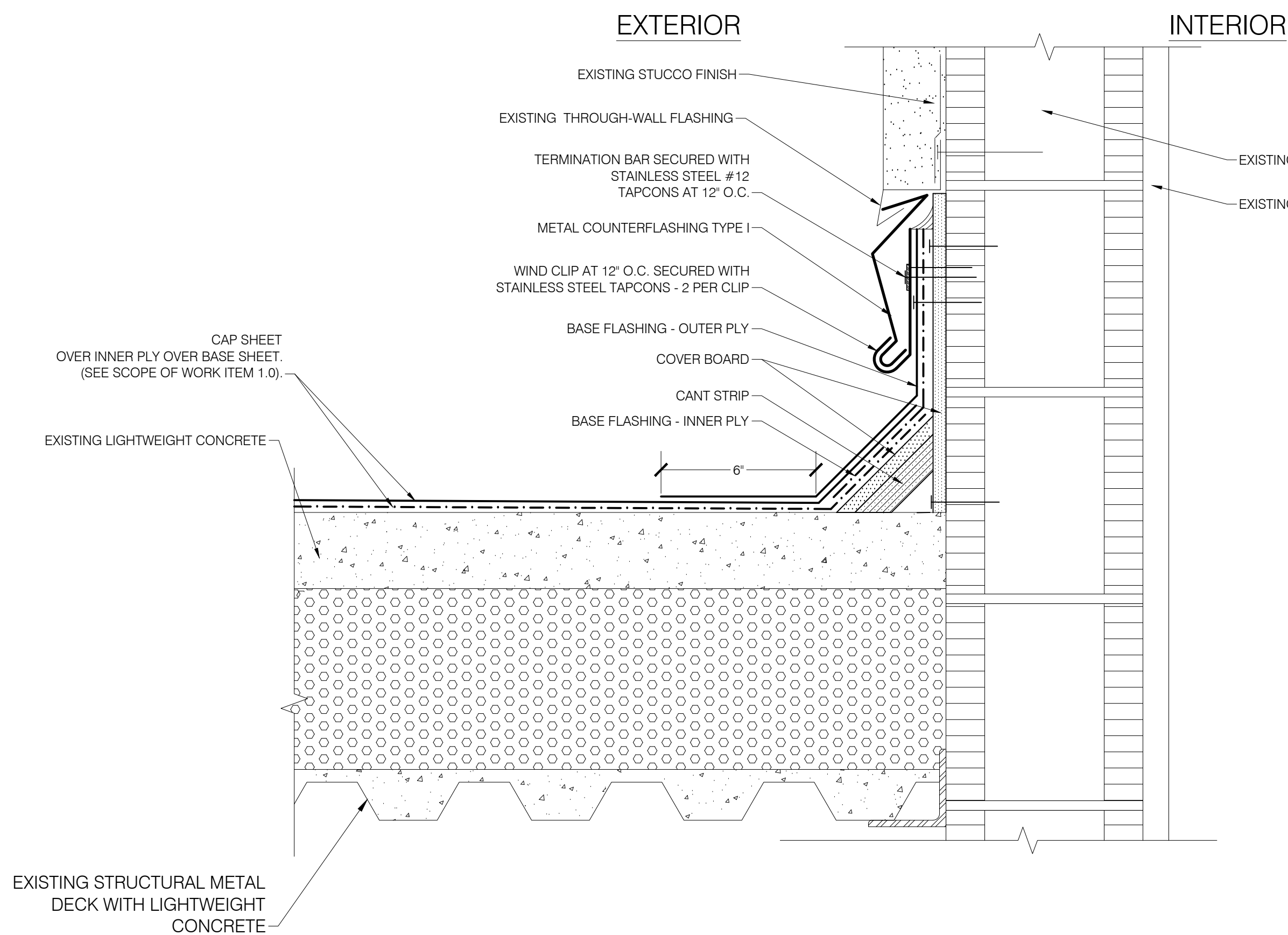
FLASHING, GUTTERS, DOWNSPOUTS, SHEET METAL AND OTHER ACCESSORIES SPECIFICATION SECTION 07600
CONCEALED SPLICE PLATE: 22 GAUGE STAINLESS STEEL, TYPE 304, 12 INCH LONG SEALED TO METAL FLASHINGS.
DOWNSPOUT: .040 ALUMINUM, .060 ALUMINUM AT BOTTOM 6', PRIMED AND PAINTED AS APPROVED BY OWNER.
DOWNSPOUT STRAPS: 22 GAUGE STAINLESS STEEL, TYPE 304.
GUTTER: .050 ALUMINUM, ASTM B209
GUTTER BRACKET: 1/8" THICK X 1" BENT ALUMINUM, ASTM B209
GUTTER STRAP: .050 ALUMINUM, ASTM B209
METAL CLEAT: 20 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE I: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE II: .040 ALUMINUM, ASTM B209
METAL EDGE: .050 ALUMINUM, ASTM B209
METAL RECEIVER FLASHING: .040 ALUMINUM, ASTM B209
METAL SKIRT FLASHING: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL Z-CLOSURE: 22 GAUGE STAINLESS STEEL, TYPE 316
ONE-PIECE TRANSITION FLASHING: .040 ALUMINUM, ASTM B209
PLUMBING VENT FLASHING EXTENSION: PRE-FABRICATED PVC EXTENSIONS.
TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL TYPE 304 WITH PRE-PUNCHED HOLES AT 6" O.C.

NOTES:

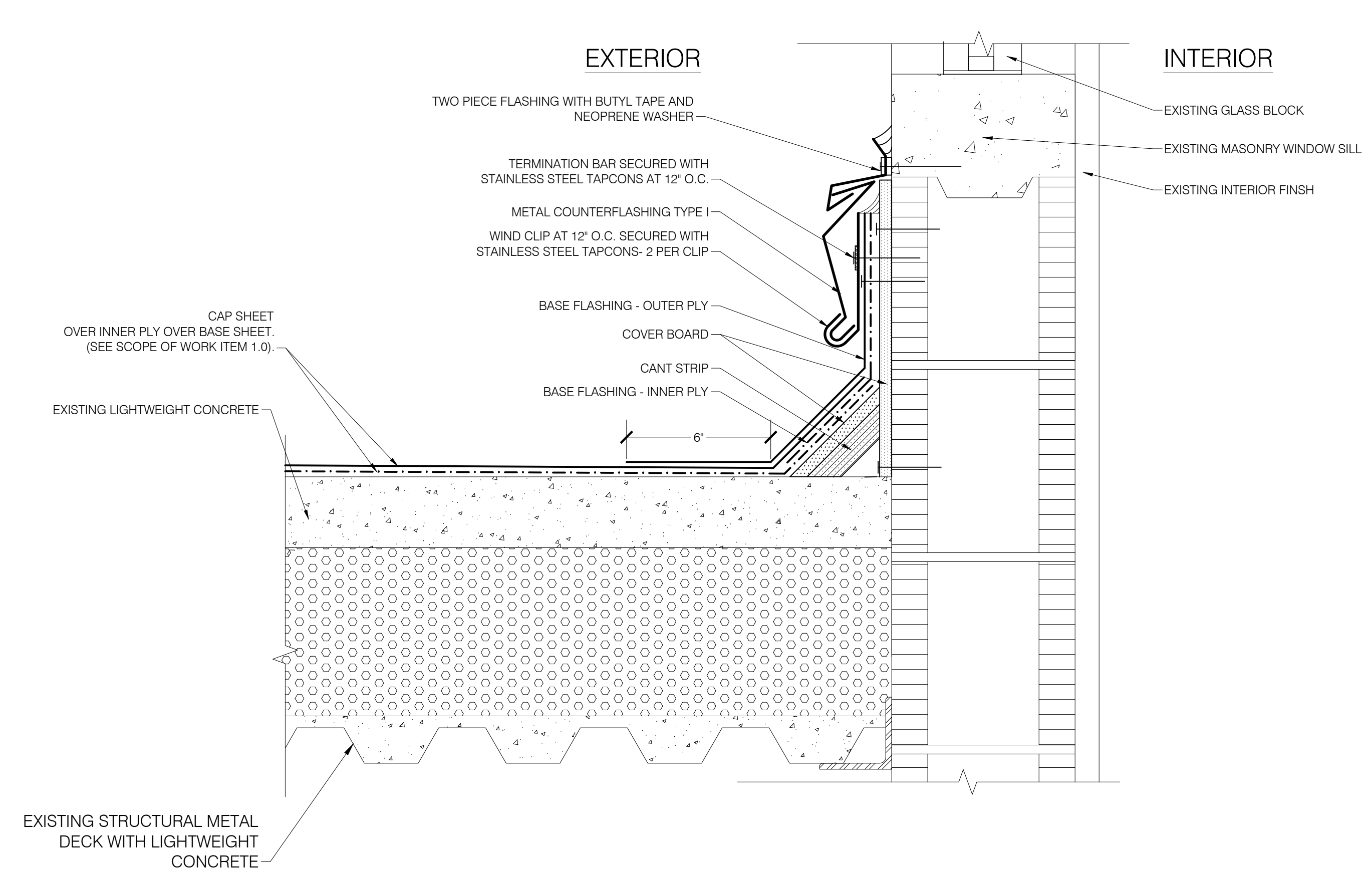
- A. FASTENER TYPE AND SPACING PER MANUFACTURER'S RECOMMENDATIONS / SYSTEM TEST CRITERIA, AND DESIGN WIND PRESSURES. PROVIDE PULL TEST REPORT TO MANUFACTURER AND INCLUDE WITHIN SUBMITTALS FOR BUILDING DEPARTMENT REVIEW.
- B. CONTRACTOR TO SUBMIT SEALED ENGINEERED SHOP DRAWINGS FOR ROOF SYSTEM ATTACHMENT PER PROJECT WIND UPLIFT CRITERIA AND PULL TEST RESULTS.
- C. INSTALL ROOF SYSTEM PER SPECIFICATION SECTION 075216 AND SCOPE OF WORK 1.0
- D. BASIS OF DESIGN: INSTALL ROOF SYSTEM TO MEET OR EXCEED PERFORMANCE CRITERIA PER FLORIDA PRODUCT APPROVAL FL 10342-R12 SYSTEM LS-M-1.



A PROPOSED ROOFING ASSEMBLY - BASE BID
 A5.1 SCALE: NTS



B BASE FLASHING AT CLERESTORY WALL
 A5.1 SCALE: NTS



C BASE FLASHING AT LOW GLASS BLOCK WINDOW
 A5.1 SCALE: NTS

JOINT SEALANTS SPECIFICATION SECTION 07920
BACKER ROD: CLOSED-CELL BACKER ROD.
BUTYL SEALANT: ONE-PART GUN GRADE, BUTYL-RUBBER BASED JOINT SEALANT, ASTM C 1311.
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.
SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.
STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, "M-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS.
URETHANE SEALANT: SINGLE-COMPONENT, NONSAG, POLYURETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

METAL PANELS SPECIFICATION SECTION 074113
STANDING SEAM PANELS: 0.040 ALUMINUM ALLOY, ASTM B209 WITH 2-COAT FLUOROPOLYMER FINISH AS APPROVED BY OWNER. BASIS OF DESIGN: "SERIES 300" BY IMETCO.

SOFFIT FINISH SPECIFICATION SECTION 099600
TEXTURED ACRYLIC FINISH SYSTEM: BASE COAT, REINFORCING MESH AND FINISH COAT INSTALLED AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS. BASIS OF DESIGN: "TAFS" BY DRYVIT.
L-BEAD: HIGH IMPACT PVC ACCESSORY.

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 INDIAN RIVER COUNTY AQUATIC FACILITY
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 ROOFING REPLACEMENT
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REVISIONS		
NUMBER	TYPE	DATE

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 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

MATERIAL COMPONENT SCHEDULE

ROOF INSULATION SPECIFICATION SECTION 07220
COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.
RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, GRADE 2, FLAT INSULATION BOARDS. INSTALL TAPERED INSULATION OVER FLAT INSULATION WHERE DESIGNATED AND AS REQUIRED TO ACHIEVE A 1/4 INCH PER FOOT POSITIVE SLOPE WITH NO PONDING AFTER 24 HOUR DRYING TIME. TAPERED INSULATION SHALL BE FABRICATED AT ZERO INCH THICKNESS AT THIN EDGE.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216
BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY Siplast.
BASE FLASHING - OUTER PLY: SBS METAL CLADDED SURFACED MODIFIED BITUMEN, ASTM D 6298, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "VERAL ALUMINUM" MANUFACTURED BY Siplast.
BASE SHEET: LIGHTWEIGHT RANDOM FIBROUS GLAS MAT IMPREGANATED AND COATED WITH A SPECIALLY FORMULATED, HIGH QUALITY, OXIDIZED ASPHALT, ASTM D 4601 TYPE II MECHANICALLY ATTACHED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARABASE" BY Siplast.
CANT STRIP: HIGH-DENSITY, LAMINATED PERLITE BOARD.
CAP SHEET: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "PARADIENE 30 FR TG BW" MANUFACTURED BY Siplast.
INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY Siplast.
LIQUID-APPLIED FLASHING: A FIBERGLASS REINFORCED MULTI-COMPONENT PMMA FLASHING SYSTEM BY ROOF MEMBRANE MANUFACTURER.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. BASIS OF DESIGN: PARATHREAD BY Siplast.
SELF-ADHERED UNDERLAYMENT: 045' SELF-ADHERED MODIFIED BITUMEN, ASTM E2537, (GCPAT "PERM-A-BARRIER HT") ADHERED OVER PRIMED SUBSTRATE BELOW.
STRIPPING PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY Siplast.

FLASHING, GUTTERS, DOWNSPOUTS, SHEET METAL AND OTHER ACCESSORIES SPECIFICATION SECTION 07600

CONCEALED SPLICE PLATE: 22 GAUGE STAINLESS STEEL, TYPE 304, 12 INCH LONG SEALED TO METAL FLASHINGS.
DOWNSPOUT: 040 ALUMINUM, 060 ALUMINUM AT BOTTOM 6', PRIMED AND PAINTED AS APPROVED BY OWNER.
DOWNSPOUT STRAPS: 22 GAUGE STAINLESS STEEL, TYPE 304.
GUTTER: 050 ALUMINUM, ASTM B209
GUTTER BRACKET: 1/8" THICK X 1" BENT ALUMINUM, ASTM B209
GUTTER STRAP: 050 ALUMINUM, ASTM B209
METAL CLIP: 30 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE I: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE II: 040 ALUMINUM, ASTM B209
METAL EDGE: 050 ALUMINUM, ASTM B209
METAL RECEIVER FLASHING: 040 ALUMINUM, ASTM B209
METAL SKIRT FLASHING: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL 2-CLOSURE: 22 GAUGE STAINLESS STEEL, TYPE 316
ONE-PIECE TRANSITION FLASHING: 040 ALUMINUM, ASTM B209
PLUMBING VENT FLASHING EXTENSION: PRE-FABRICATED PVC EXTENSIONS.
TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL TYPE 304 WITH PRE-PUNCHED HOLES AT 6" O.C.

JOINT SEALANTS SPECIFICATION SECTION 07920
BACKER ROD: CLOSED-CELL BACKER ROD.
BUTYL SEALANT: ONE-PART GUN GRADE, BUTYL-RUBBER BASED JOINT SEALANT, ASTM C 1311.
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.
SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.
STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, "M-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS.
URETHANE SEALANT: SINGLE-COMPONENT, NONSAG, POLYURETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

METAL PANELS SPECIFICATION SECTION 074113
STANDING SEAM PANELS: 0.040" ALUMINUM ALLOY, ASTM B209 WITH 2-COAT FLUOROPOLYMER FINISH AS APPROVED BY OWNER. BASIS OF DESIGN: "SERIES 300" BY IMETCO.

SOFFIT FINISH SPECIFICATION SECTION 099600
TEXTURED ACRYLIC FINISH SYTEM: BASE COAT, REINFORCING MESH AND FINISH COAT INSTALLED AS PER MANUFACTURERS INSTALLATION REQUIREMENTS. BASIS OF DESIGN: "TAFS" BY DRYVIT.
L-BEAD: HIGH IMPACT PVC ACCESSORY.

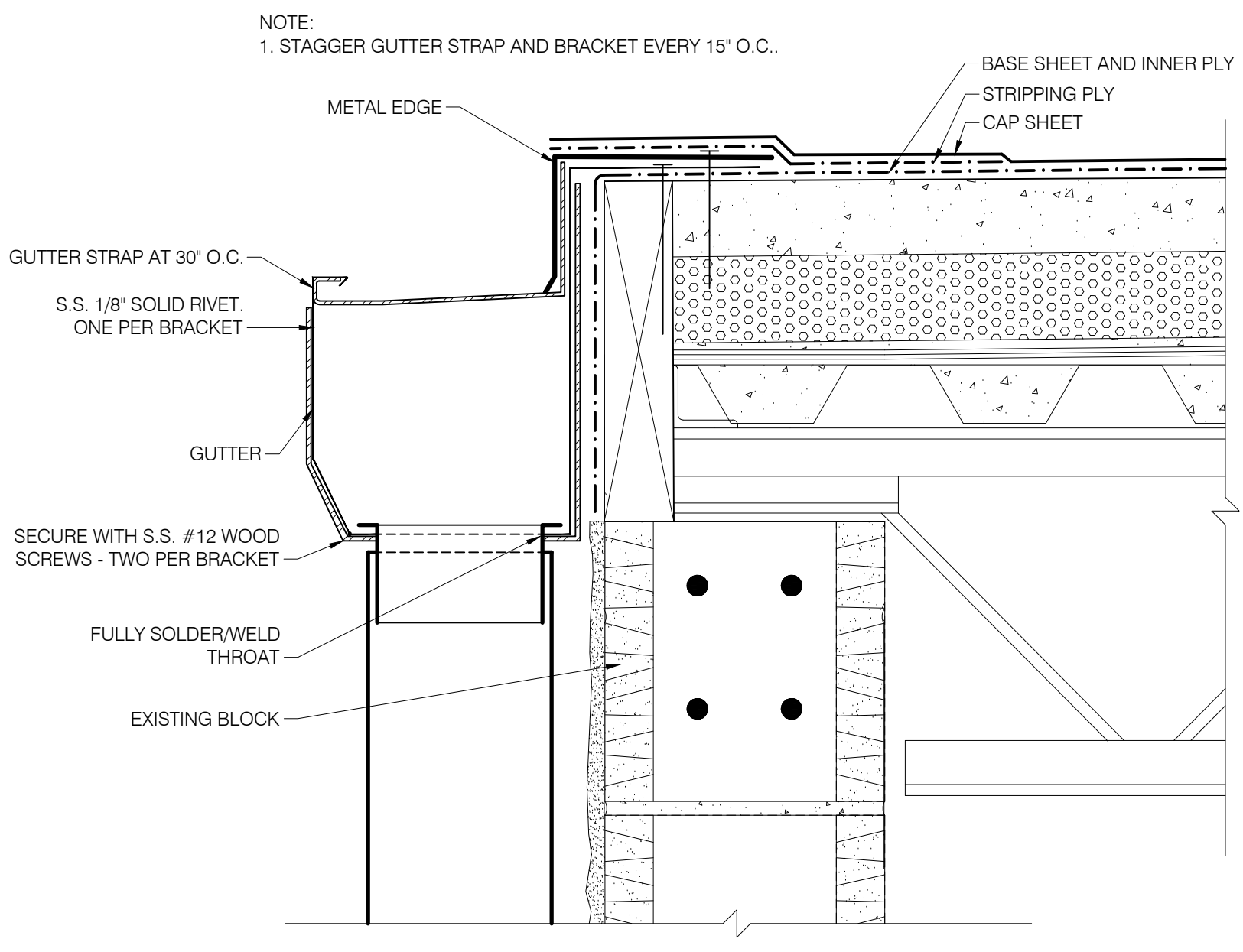
CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
 3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-4686 • E MAIL: JAY@JAYAMMON.COM

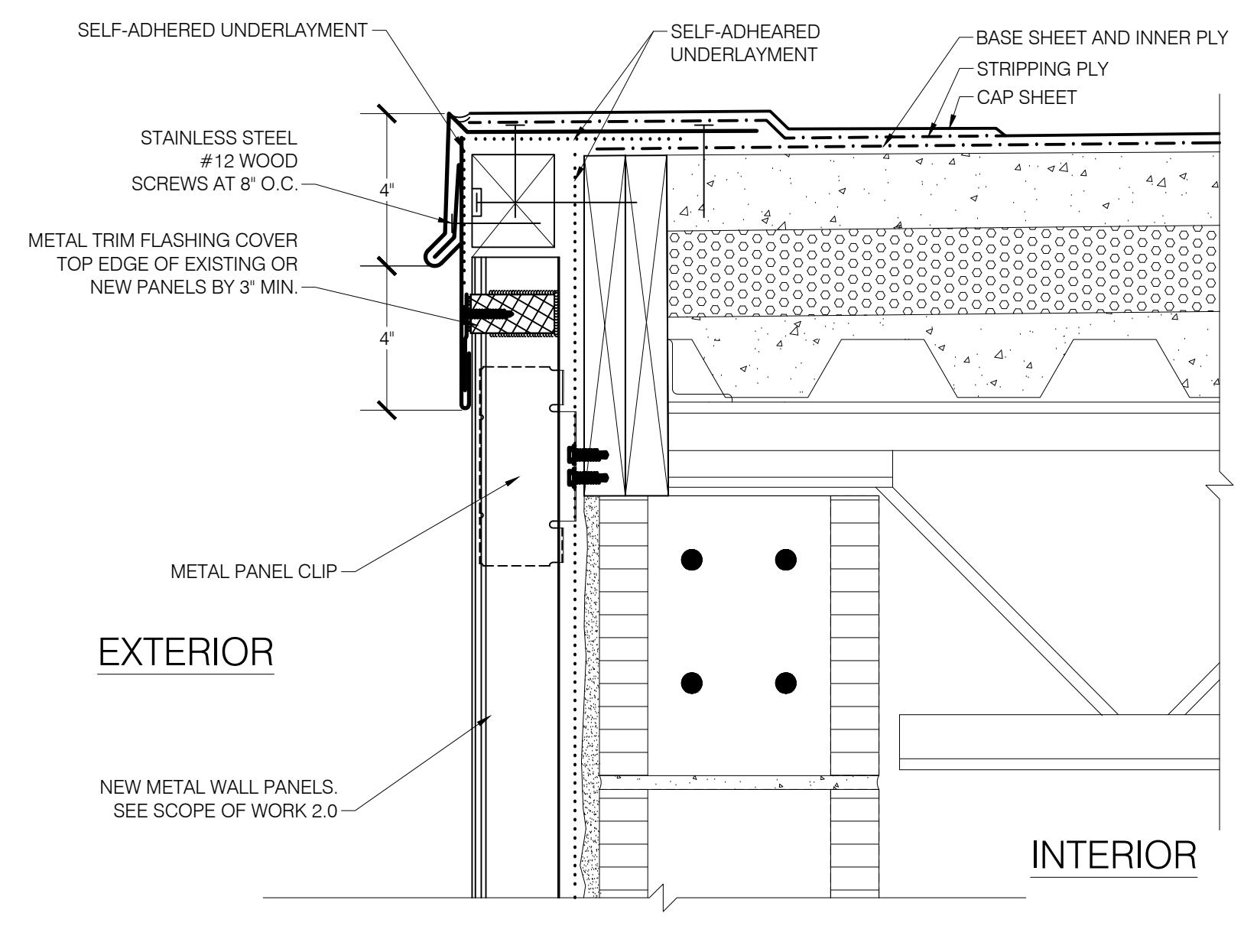
REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LBH PROJECT NUMBER: 18-012
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

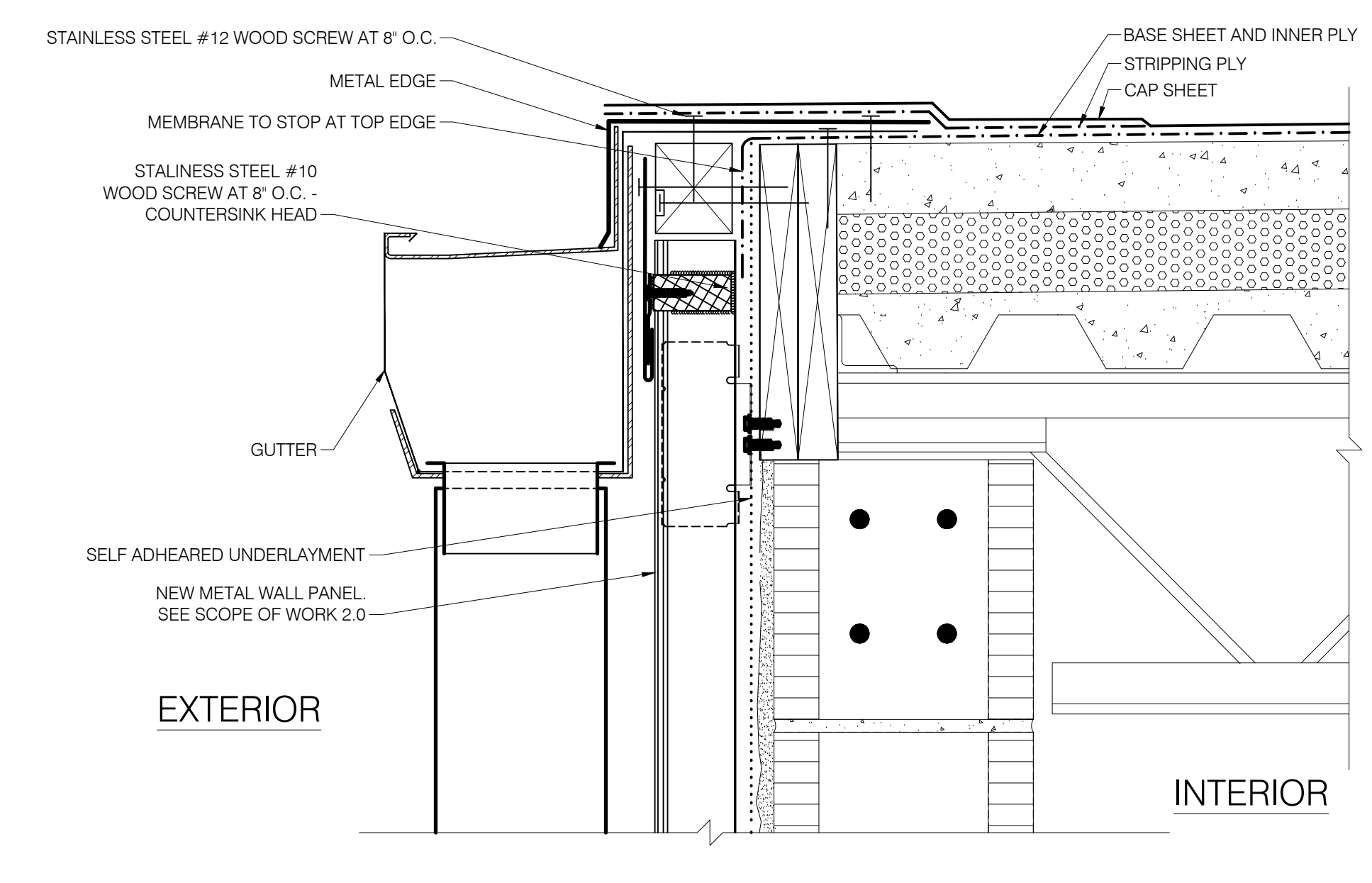
ROOFING REPLACEMENT DETAILS
 A5.2
 PLOT: 3" = 1'-0" SHEET



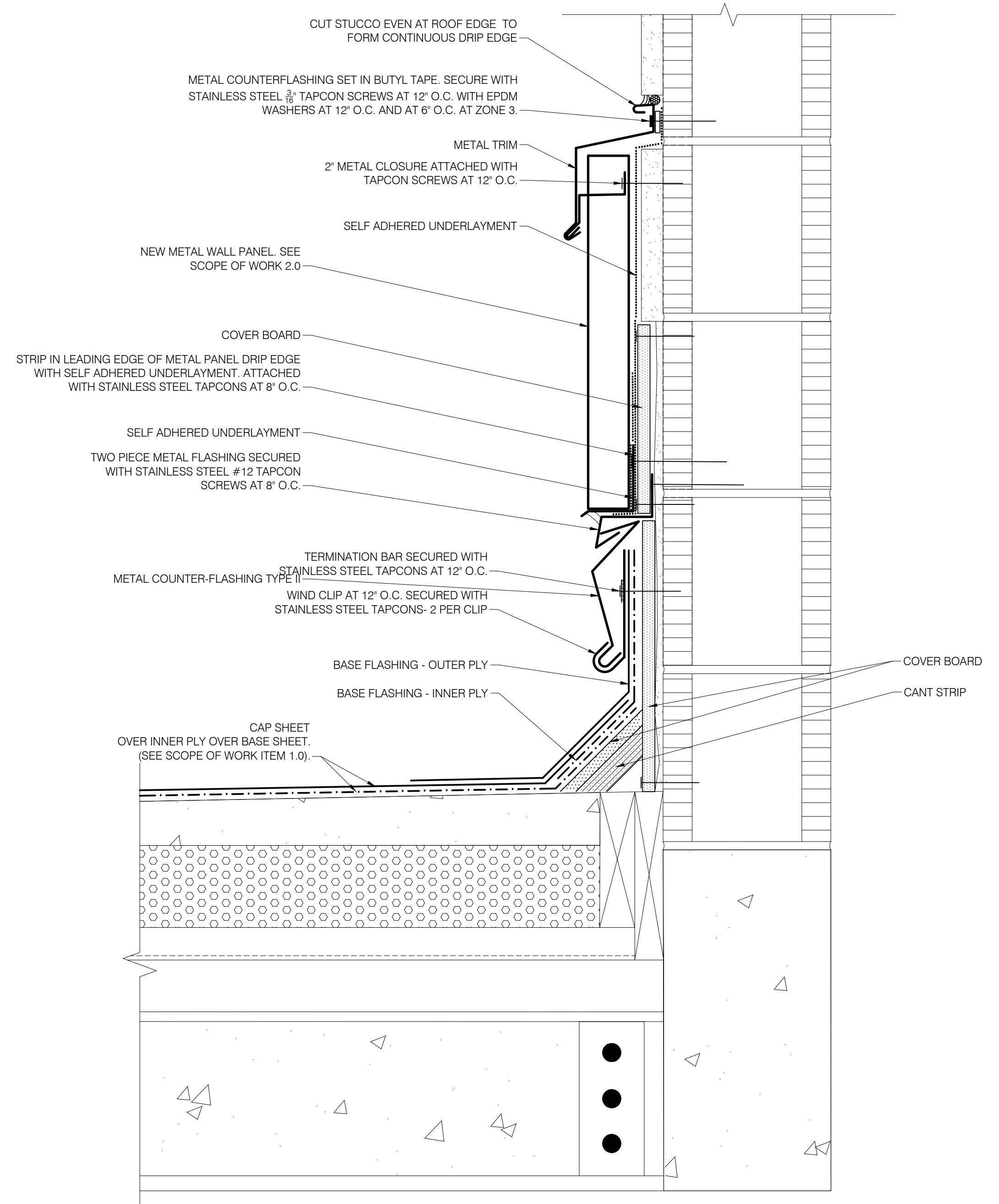
A GUTTER EDGE DETAIL
 A5.2 SCALE: NTS



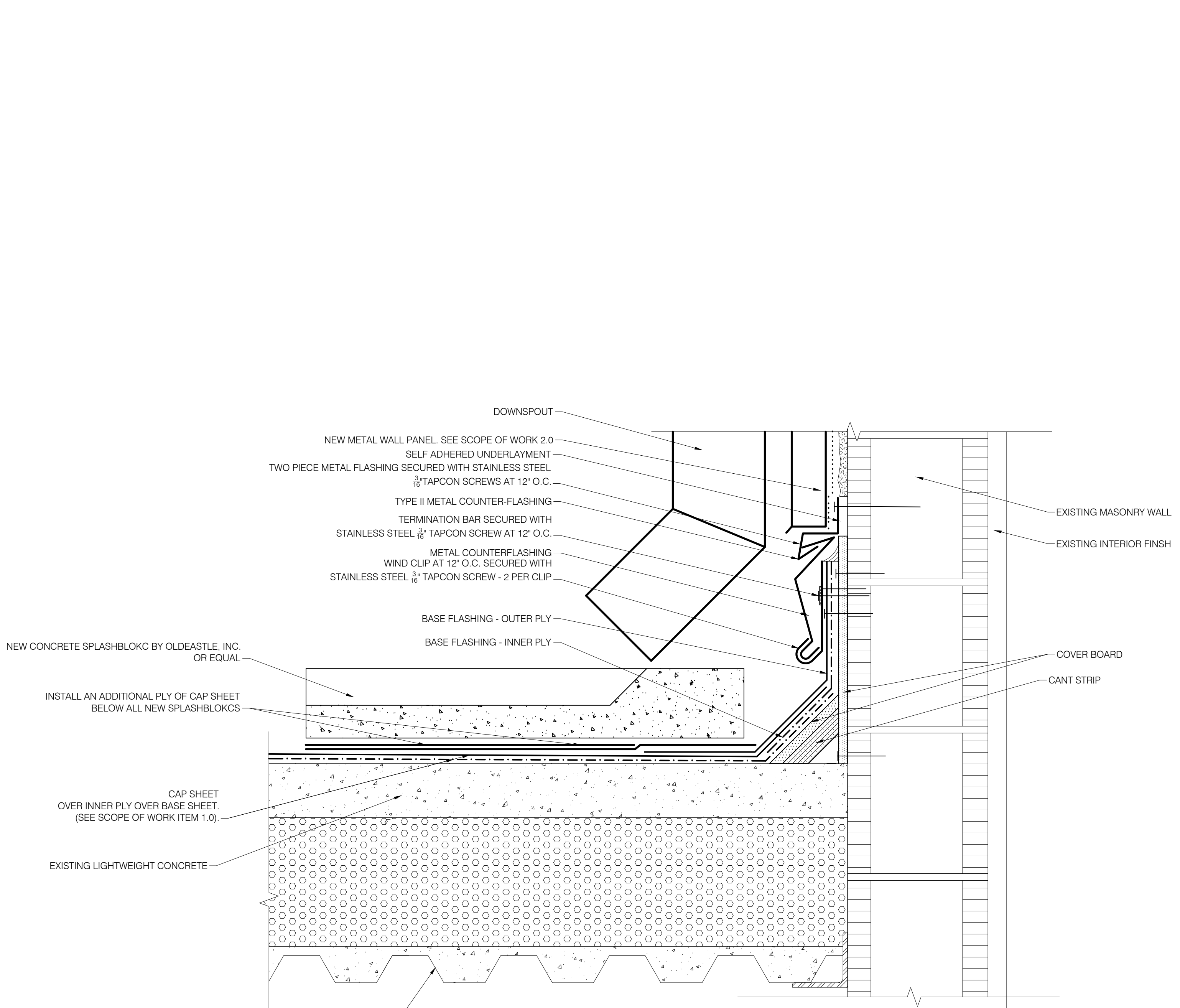
B METAL EDGE FLASHING DETAIL
 A5.2 SCALE: NTS



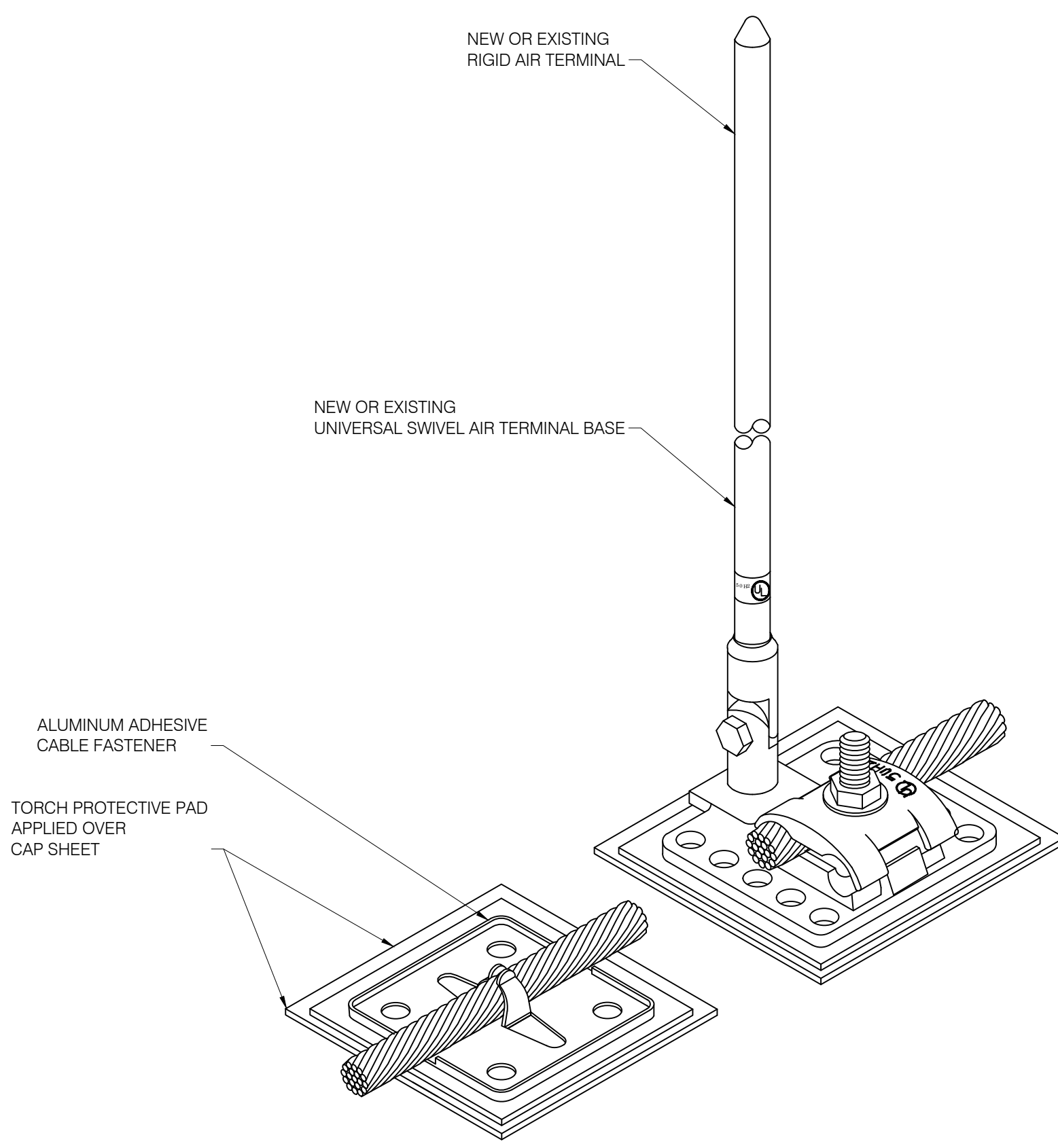
C GUTTER EDGE DETAIL
 A5.2 SCALE: NTS



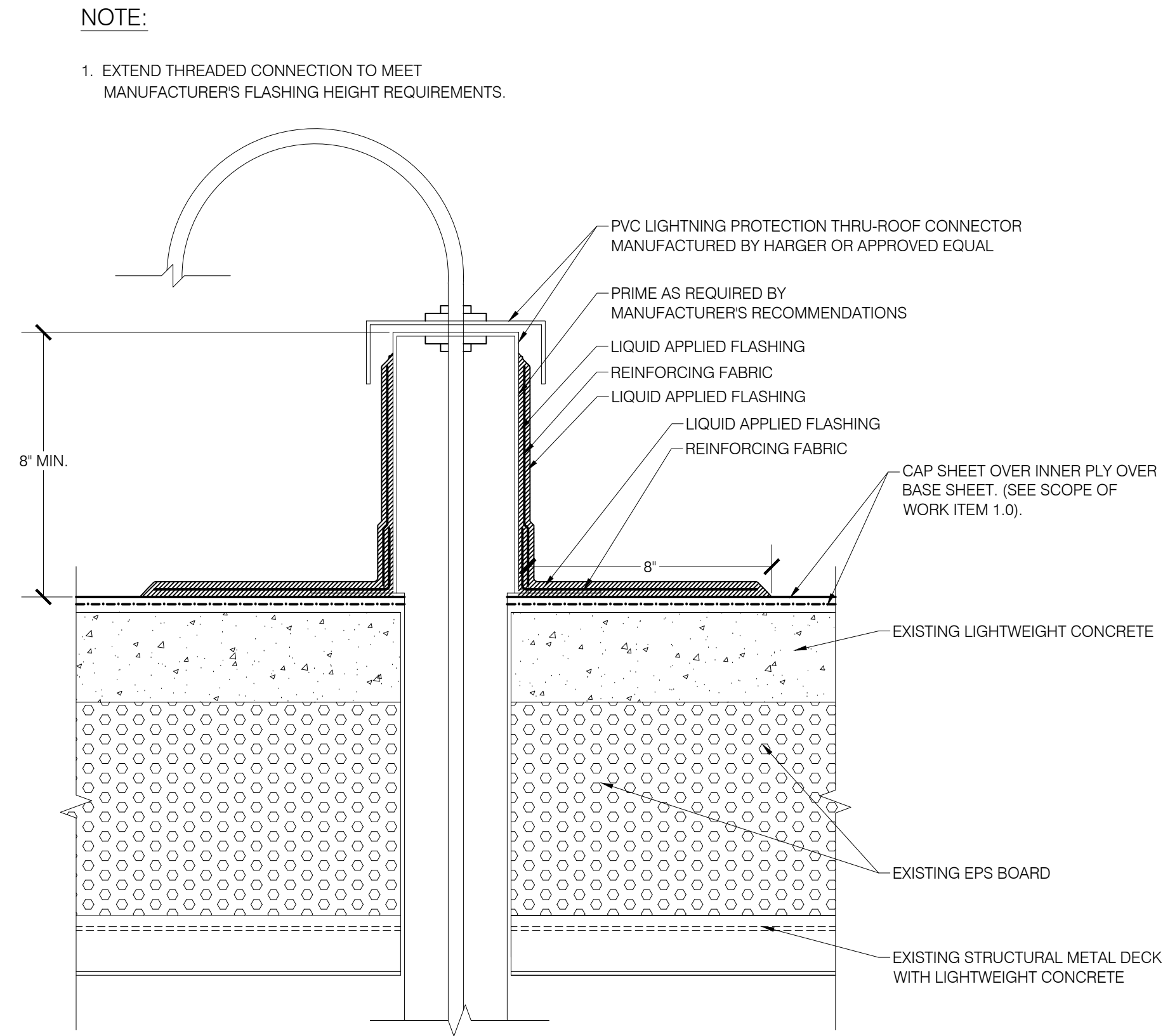
D BASE FLASHING AT CLERESTORY WALL
 A5.2 SCALE: NTS



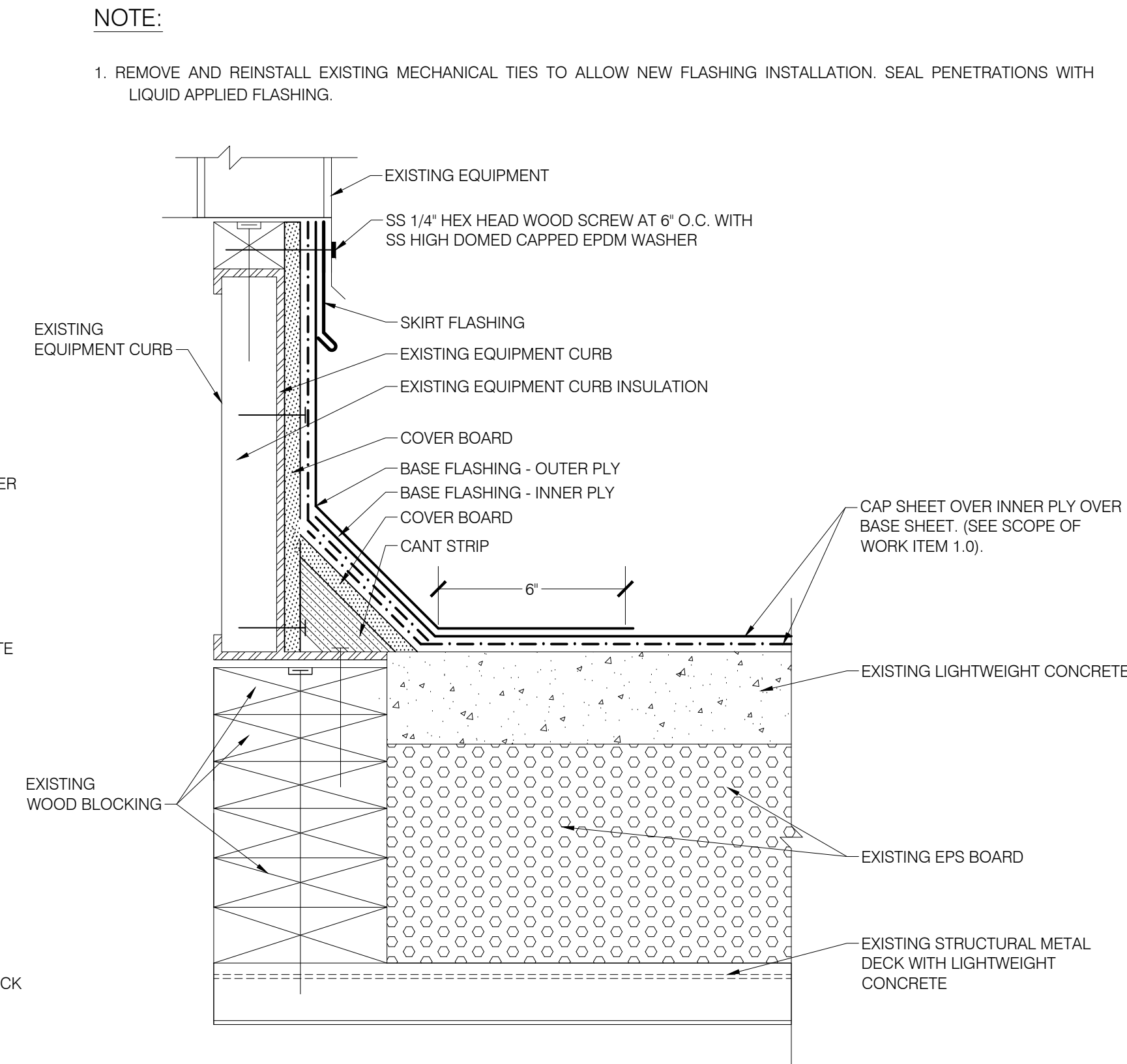
E BASE FLASHING AT CLERESTORY WALL
 A5.2 SCALE: NTS



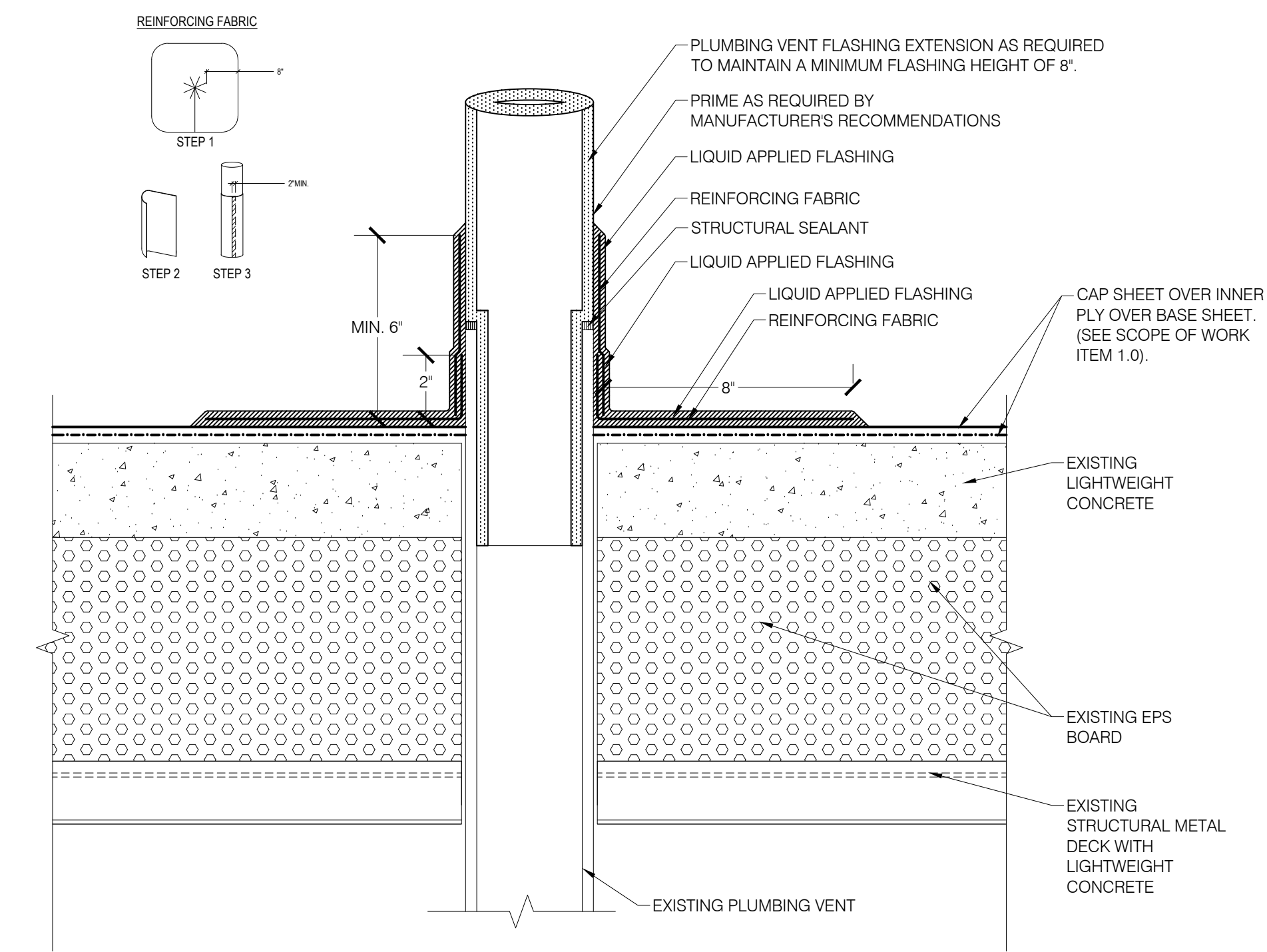
A LIGHTNING PROTECTION - BASE DETAIL
A5.3 SCALE: NTS



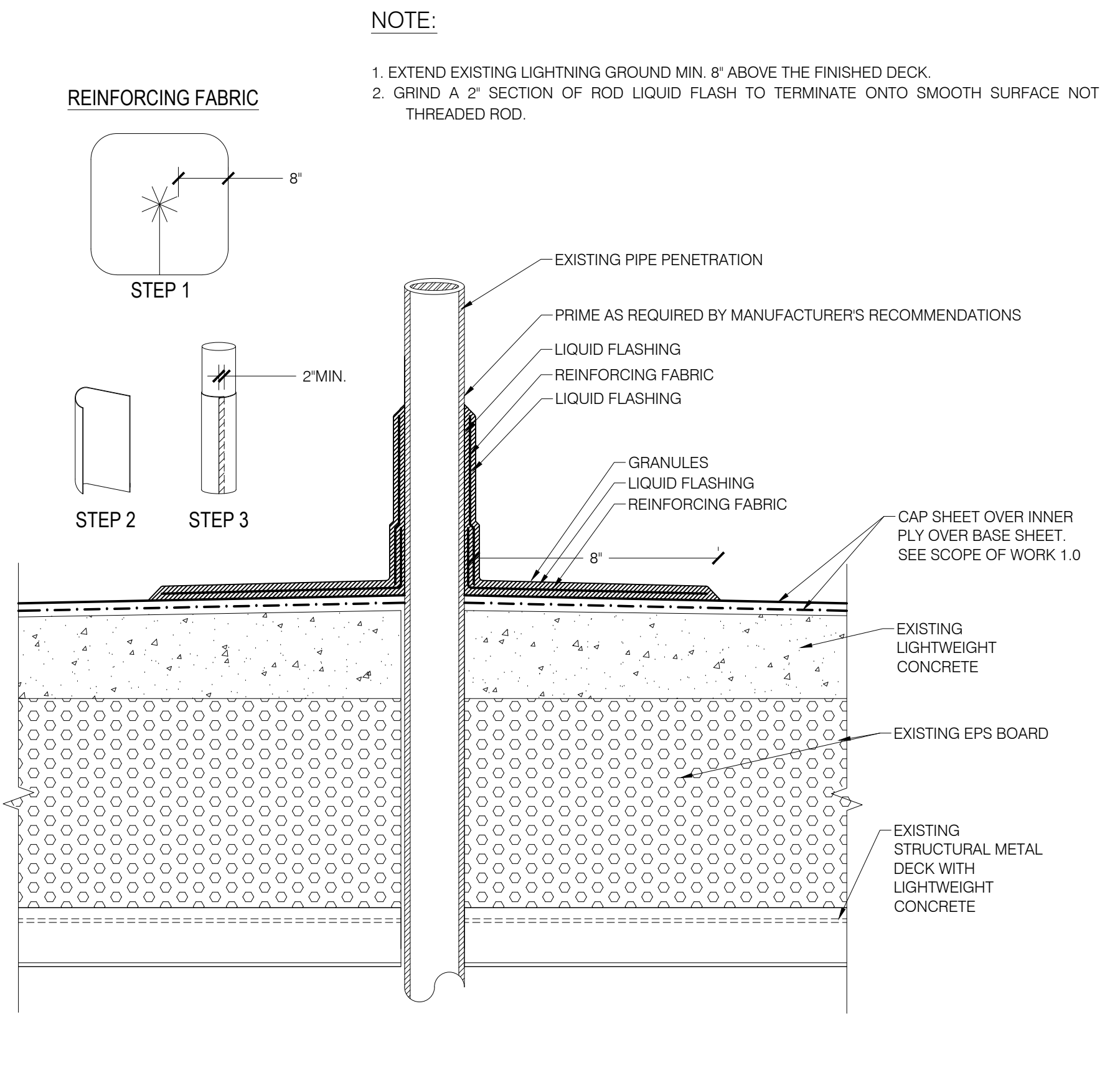
B LIGHTNING PROTECTION PENETRATION DETAIL
A5.3 SCALE: NTS



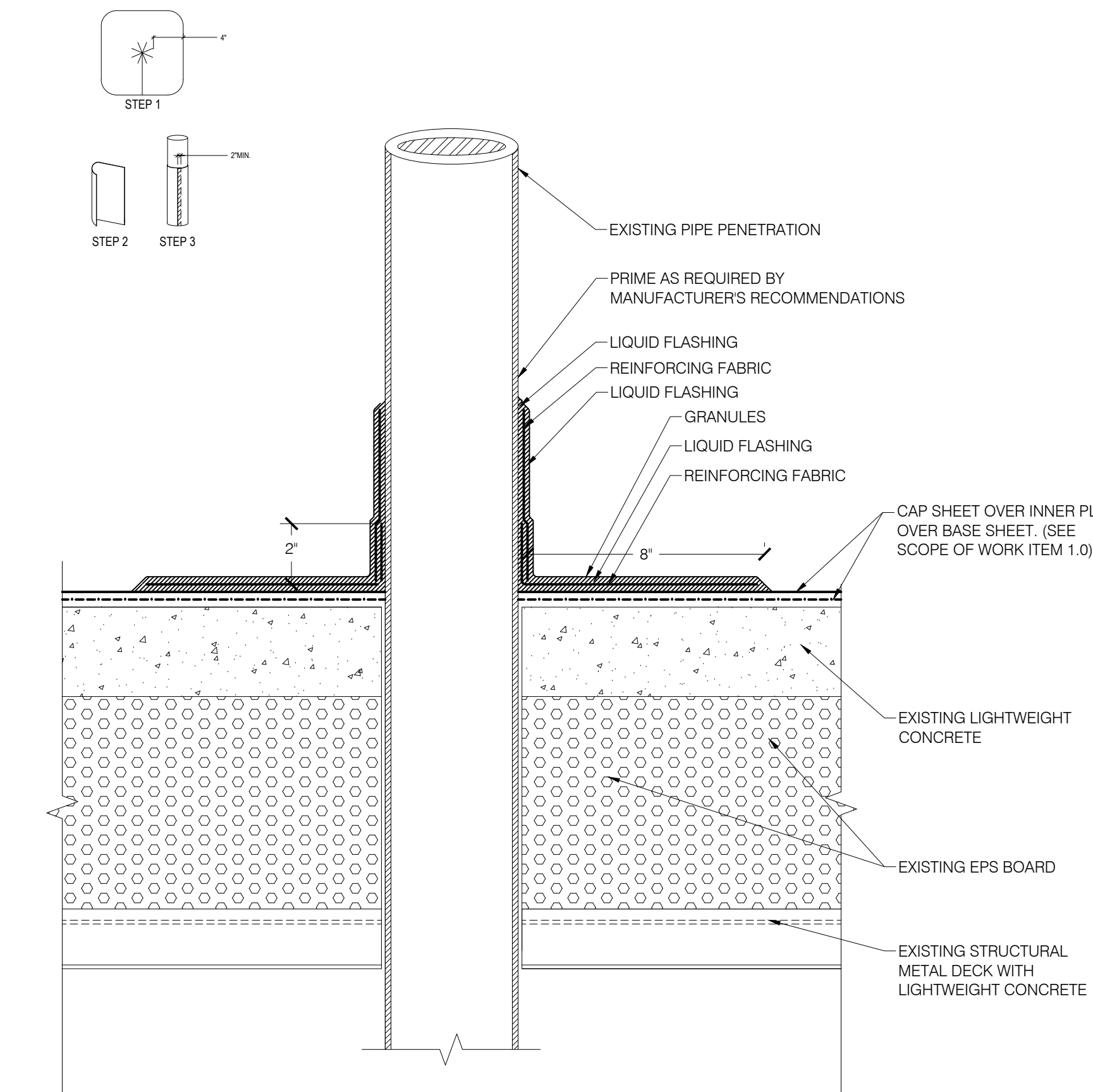
C POWER VENT PENETRATION SECTION
A5.3 SCALE: NTS



D PLUMBING VENT PENETRATION SECTION
A5.3 SCALE: NTS



E PROPOSED PIPE PENETRATION FLASHING
A5.3 SCALE: NTS



F PROPOSED PIPE PENETRATIONS SECTION
A5.3 SCALE: NTS

MATERIAL COMPONENT SCHEDULE

ROOF INSULATION SPECIFICATION SECTION 07220
COVER BOARD: 1/2\"/>

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 07516
BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: \"PARADIENE 20 TG\" MANUFACTURED BY SIPLEAST.
BASE FLASHING - OUTER PLY: SBS METAL CLADDED SURFACED MODIFIED BITUMEN, ASTM D 6298, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: \"VERAL ALUMINUM\" MANUFACTURED BY SIPLEAST.
BASE SHEET: LIGHTWEIGHT RANDOM FIBROUS GLAS MAT IMPREGANATED AND COATED WITH A SPECIALLY FORMULATED, HIGH QUALITY, OXIDIZED ASPHALT, ASTM D 4601 TYPE II MECHANICALLY ATTACHED OVER SUBSTRATE BELOW. BASIS OF DESIGN: \"PARABASE\" BY SIPLEAST.
CANT STRIP: HIGH-DENSITY, LAMINATED PERLITE BOARD.
CAP SHEET: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: \"PARADIENE 30 FR TG BW\" MANUFACTURED BY SIPLEAST.
INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: \"PARADIENE 20 TG\" MANUFACTURED BY SIPLEAST.
LIQUID-APPLIED FLASHING: A FIBERGLASS REINFORCED MULTI-COMPONENT PMMA FLASHING SYSTEM BY ROOF MEMBRANE MANUFACTURER.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. BASIS OF DESIGN: PARATHREAD BY SIPLEAST.
SELF-ADHERED UNDERLAYMENT: 045\"/>

FLASHING, GUTTERS, DOWNSPOUTS, SHEET METAL AND OTHER ACCESSORIES SPECIFICATION SECTION 07600
CONCEALED SPLICE PLATE: 22 GAUGE STAINLESS STEEL, TYPE 304, 12 INCH LONG SEALED TO METAL FLASHINGS.
DOWNSPOUT: 040 ALUMINUM, 060 ALUMINUM AT BOTTOM 6\", PRIMED AND PAINTED AS APPROVED BY OWNER.
DOWNSPOUT STRAPS: 22 GAUGE STAINLESS STEEL, TYPE 304.
GUTTER: 050 ALUMINUM, ASTM B209
GUTTER BRACKET: 1/8\"/>

METAL COUNTERFLASHING TYPE II: 040 ALUMINUM, ASTM B209
METAL EDGE: 050 ALUMINUM, ASTM B209
METAL RECEIVER FLASHING: 040 ALUMINUM, ASTM B209
METAL SKIRT FLASHING: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL Z-CLOSURE: 22 GAUGE STAINLESS STEEL, TYPE 316
ONE-PIECE TRANSITION FLASHING: 040 ALUMINUM, ASTM B209
PLUMBING VENT FLASHING EXTENSION: PRE-FABRICATED PVC EXTENSIONS.
TERMINATION BAR: 1/8\"/>

JOINT SEALANTS SPECIFICATION SECTION 07920
BACKER ROD: CLOSED-CELL BACKER ROD.
BUTYL SEALANT: ONE-PART GUN GRADE, BUTYL-RUBBER BASED JOINT SEALANT, ASTM C 1311.
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.
SEALANT TAPE: 1\"/>

METAL PANELS SPECIFICATION SECTION 074113
STANDING SEAM PANELS: 0.040\"/>

SOFFIT FINISH SPECIFICATION SECTION 099600
TEXTURED ACRYLIC FINISH SYSTEM: BASE COAT, REINFORCING MESH AND FINISH COAT INSTALLED AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS. BASIS OF DESIGN: \"TAFS\" BY DRYVIT.
L-BEAD: HIGH IMPACT PVC ACCESSORY.

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030
 JAY AMMON ARCHITECT, INC.
 3240 LAKEVIEW OAKS DRIVE • LONSWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-4686 • E MAIL: JAY@JAYAMMON.COM

REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LBH PROJECT NUMBER: 19-012
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

MATERIAL COMPONENT SCHEDULE

ROOF INSULATION SPECIFICATION SECTION 07220
COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECURROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.
RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, GRADE 2, FLAT INSULATION BOARDS. INSTALL TAPERED INSULATION OVER FLAT INSULATION WHERE DESIGNATED AND AS REQUIRED TO ACHIEVE A 1/4" INCH PER FOOT POSITIVE SLOPE WITH NO PONDING AFTER 24 HOUR DRYING TIME. TAPERED INSULATION SHALL BE FABRICATED AT ZERO INCH THICKNESS AT THIN EDGE.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216
BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLAST.
BASE FLASHING - OUTER PLY: SBS METAL CLADDED SURFACED MODIFIED BITUMEN, ASTM D 6298, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "VERAL ALUMINUM" MANUFACTURED BY SIPLAST.
BASE SHEET: LIGHTWEIGHT RANDOM FIBROUS GLAS MAT IMPREGANATED AND COATED WITH A SPECIALLY FORMULATED, HIGH QUALITY, OXIDIZED ASPHALT, ASTM D 4601 TYPE II MECHANICALLY ATTACHED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARABASE" BY SIPLAST.
CANT STRIP: HIGH-DENSITY, LAMINATED PERLITE BOARD.
CAP SHEET: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "PARADIENE 30 FR TG BW" MANUFACTURED BY SIPLAST.
INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLAST.
LIQUID-APPLIED FLASHING: A FIBERGLASS REINFORCED MULTI-COMPONENT PMMA FLASHING SYSTEM BY ROOF MEMBRANE MANUFACTURER.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. BASIS OF DESIGN: PARATHREAD BY SIPLAST.
SELF-ADHERED UNDERLAYMENT: 045" SELF-ADHERED MODIFIED BITUMEN, ASTM E2257, (GCR) AT "PERM-A-BARRIER HT" ADHERED OVER PRIMED SUBSTRATE BELOW.
STRIPPING PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLAST.

FLASHING, GUTTERS, DOWNSPOUTS, SHEET METAL AND OTHER ACCESSORIES SPECIFICATION SECTION 07600
CONCEALED SPLICE PLATE: 22 GAUGE STAINLESS STEEL, TYPE 304, 12 INCH LONG SEALED TO METAL FLASHINGS.
DOWNSPOUT: .040 ALUMINUM, .060 ALUMINUM AT BOTTOM 6", PRIMED AND PAINTED AS APPROVED BY OWNER.
DOWNSPOUT STRAPS: 22 GAUGE STAINLESS STEEL, TYPE 304.
GUTTER: .050 ALUMINUM, ASTM B209
GUTTER BRACKET: 1/8" THICK X 1" BENT ALUMINUM, ASTM B209
GUTTER STRAP: .050 ALUMINUM, ASTM B209
METAL CLEAT: 30 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE I: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE II: .040 ALUMINUM, ASTM B209
METAL EDGE: .050 ALUMINUM, ASTM B209
METAL RECEIVER FLASHING: .040 ALUMINUM, ASTM B209
METAL SKIRT FLASHING: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL Z-CLOSURE: 22 GAUGE STAINLESS STEEL, TYPE 316
ONE-PIECE TRANSITION FLASHING: .040 ALUMINUM, ASTM B209
PLUMBING VENT FLASHING EXTENSION: PRE-FABRICATED PVC EXTENSIONS.
TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL TYPE 304 WITH PRE-PUNCHED HOLES AT 6" O.C.

JOINT SEALANTS SPECIFICATION SECTION 07920
BACKER ROD: CLOSED-CELL BACKER ROD.
BUTYL SEALANT: ONE-PART GUN GRADE, BUTYL-RUBBER BASED JOINT SEALANT, ASTM C 1311.
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.
SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.
STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, "M-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS.
URETHANE SEALANT: SINGLE-COMPONENT, NONSAG, POLYURETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

METAL PANELS SPECIFICATION SECTION 074113
STANDING SEAM PANELS: 0.040" ALUMINUM ALLOY, ASTM B209 WITH 2-COAT FLUOROPOLYMER FINISH AS APPROVED BY OWNER. BASIS OF DESIGN: "SERIES 300" BY IMETCO.

SOFFIT FINISH SPECIFICATION SECTION 099600
TEXTURED ACRYLIC FINISH SYSTEM: BASE COAT, REINFORCING MESH AND FINISH COAT INSTALLED AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS. BASIS OF DESIGN: "TAFS" BY DRYVIT.
L-BEAD: HIGH IMPACT PVC ACCESSORY.

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

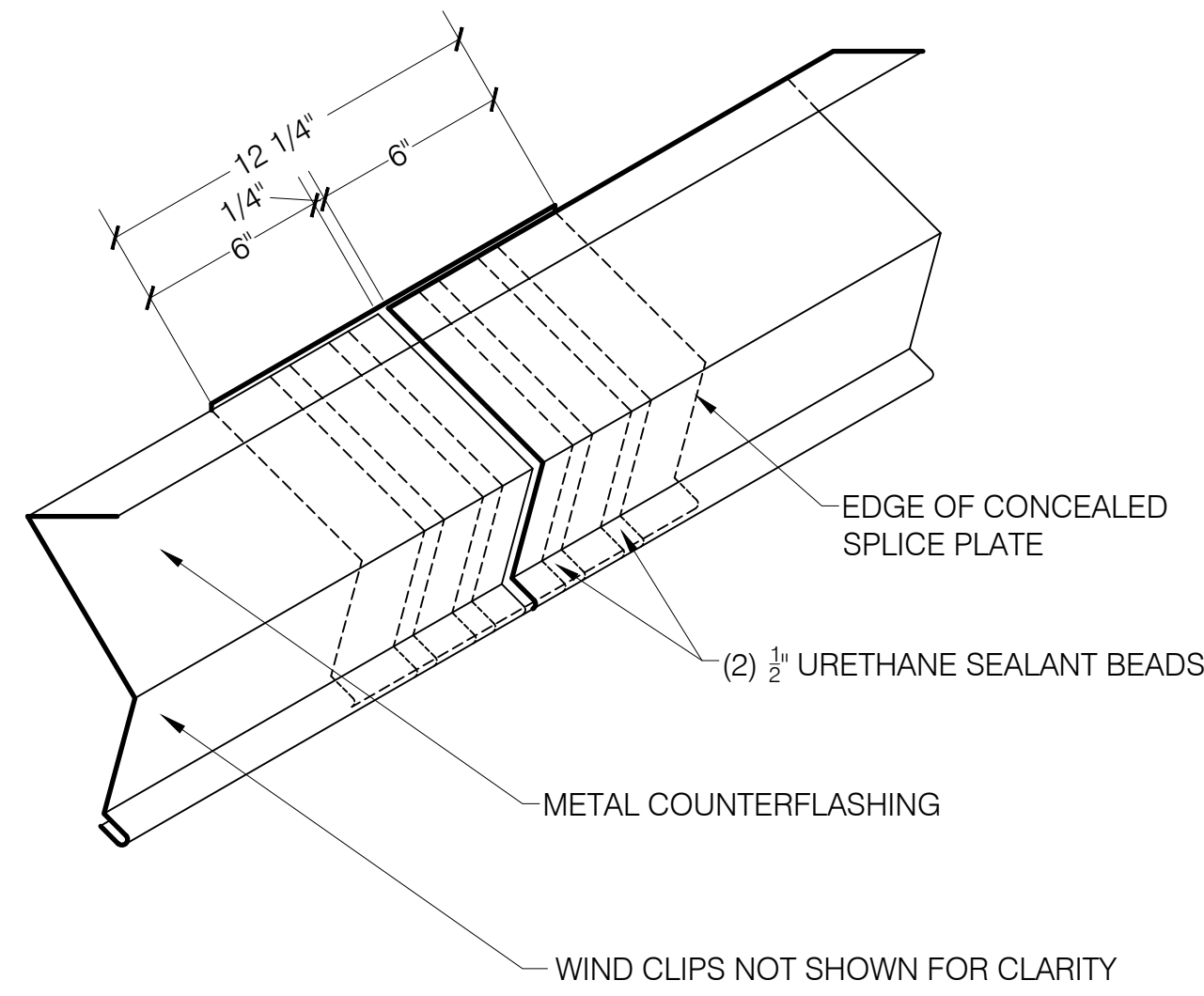
JAY AMMON ARCHITECT, INC.
 3240 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-4686 • E MAIL: JAY@JAYAMMON.COM

REVISIONS		
NUMBER	TYPE	DATE

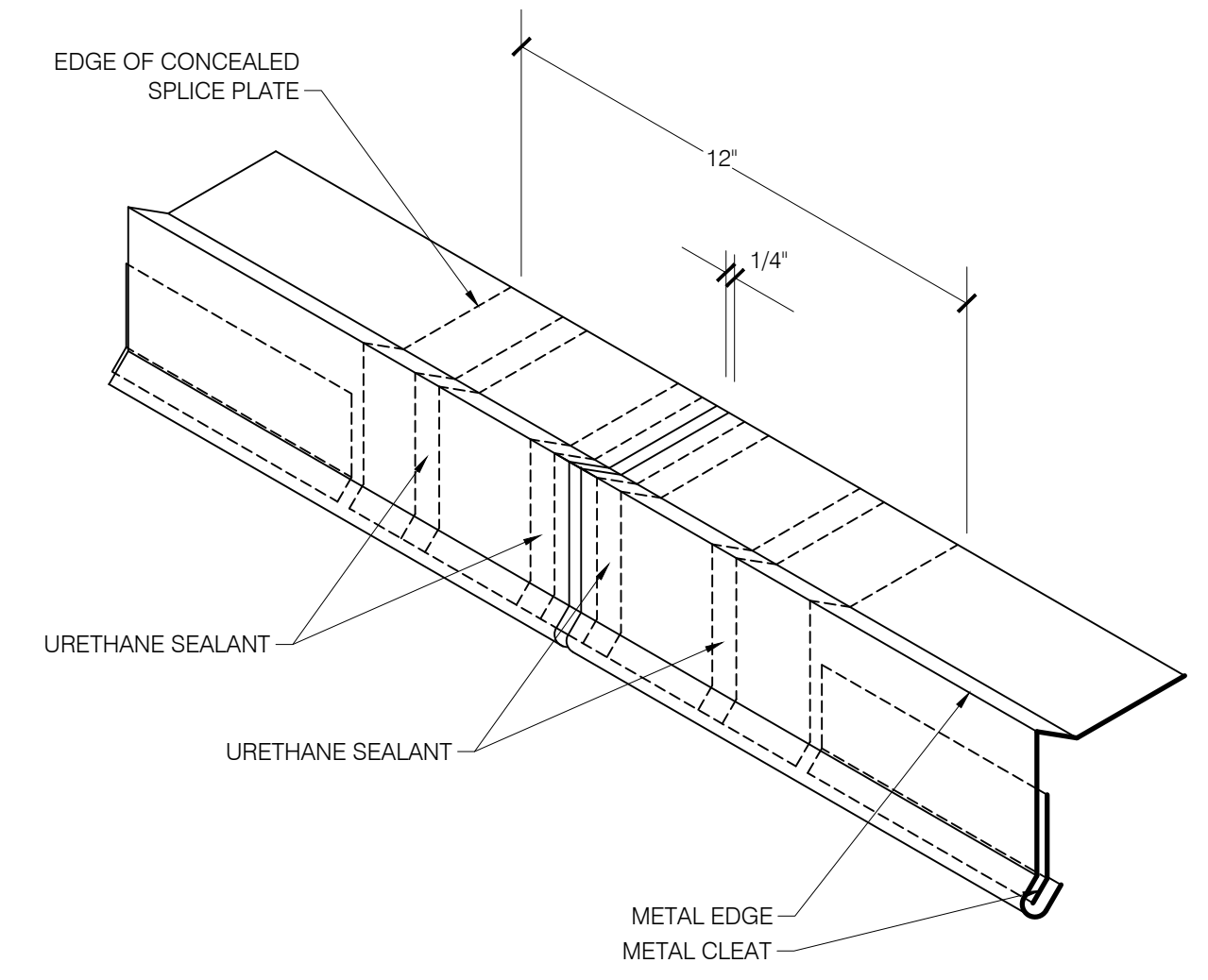
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 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

ROOFING REPLACEMENT
 DETAILS
A5.4

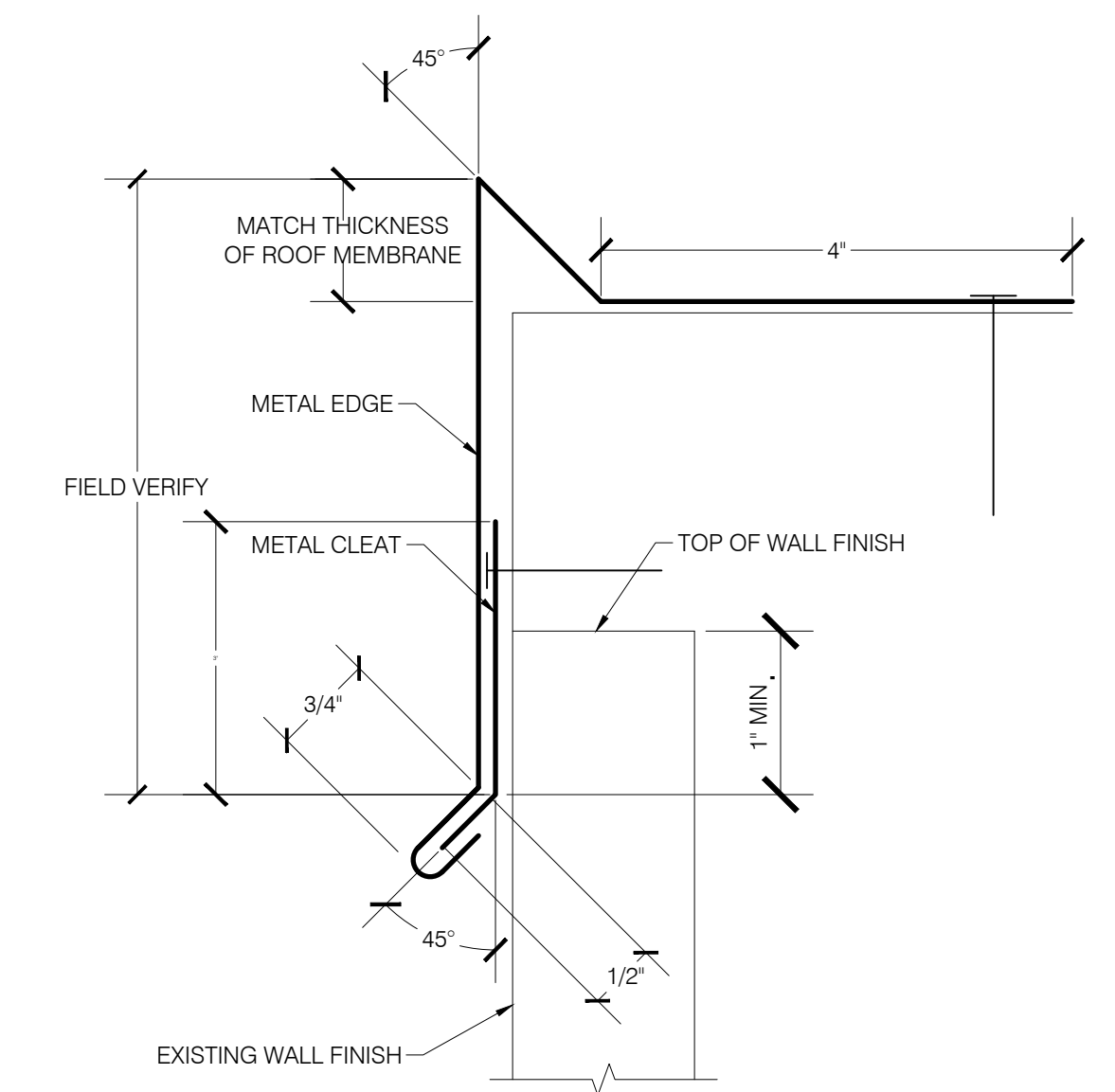
PLOT: 3" = 1'-0" SHEET



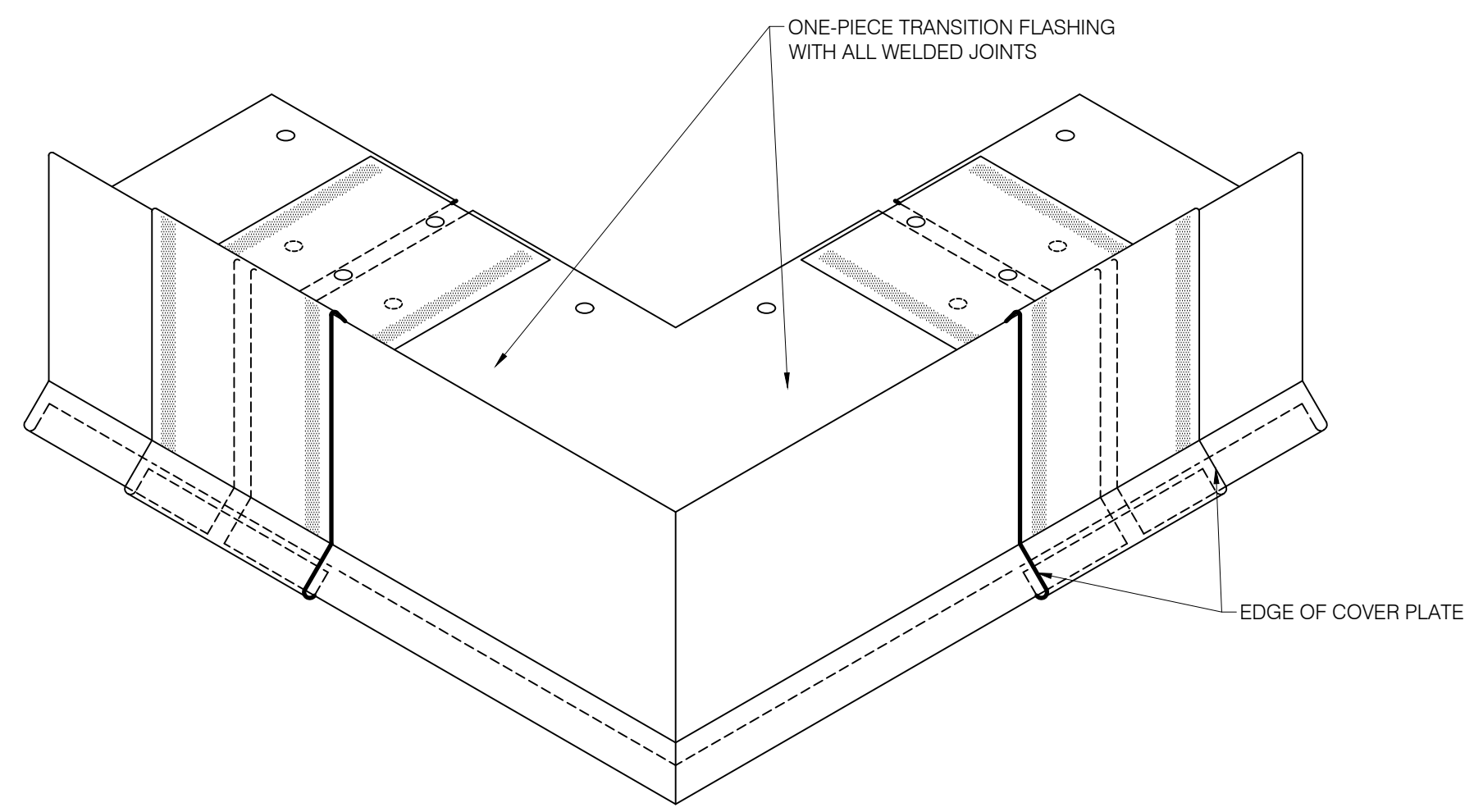
A COUNTERFLASHING END JOINT
 A5.4 SCALE: NTS



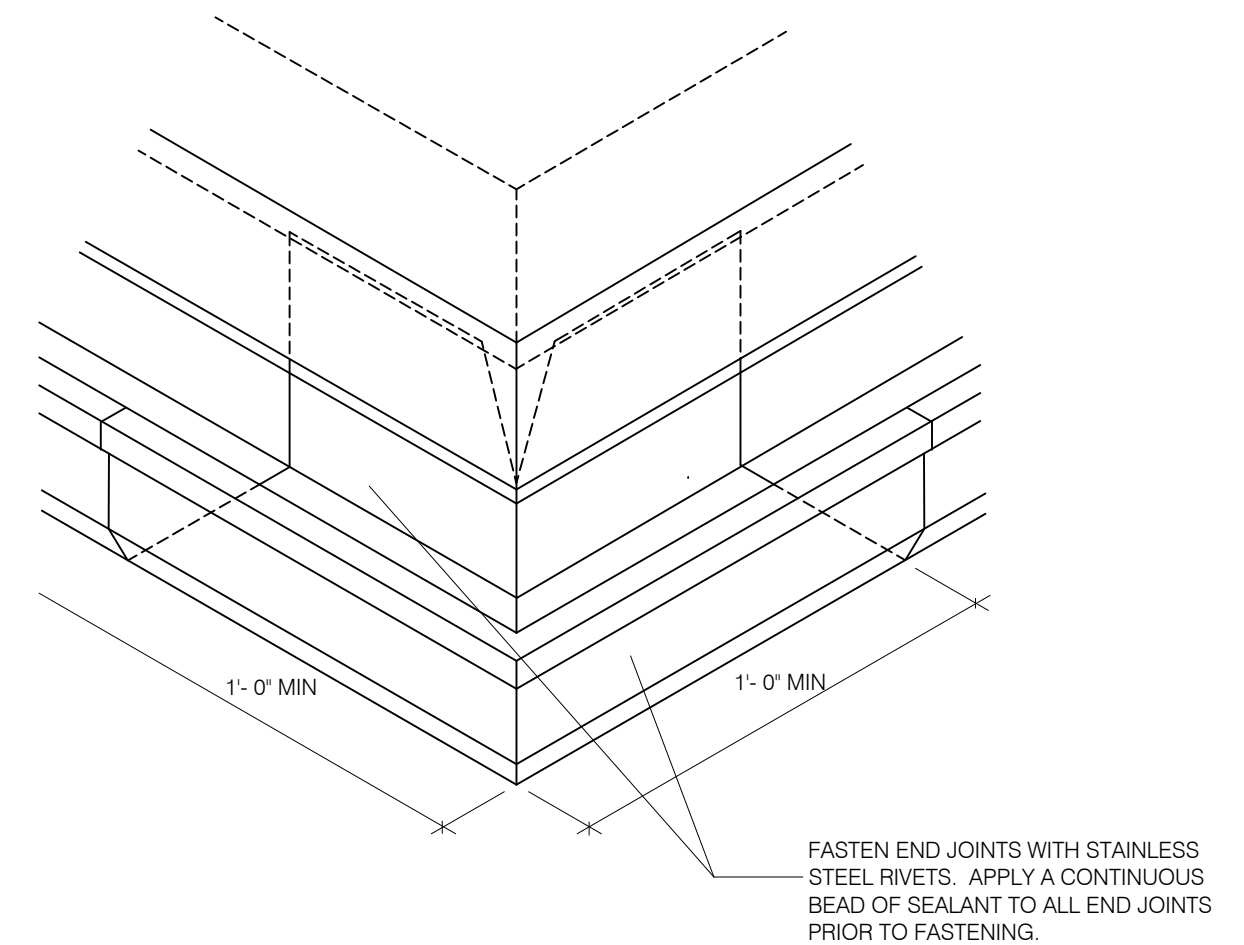
B METAL EDGE END JOINT
 A5.4 SCALE: NTS



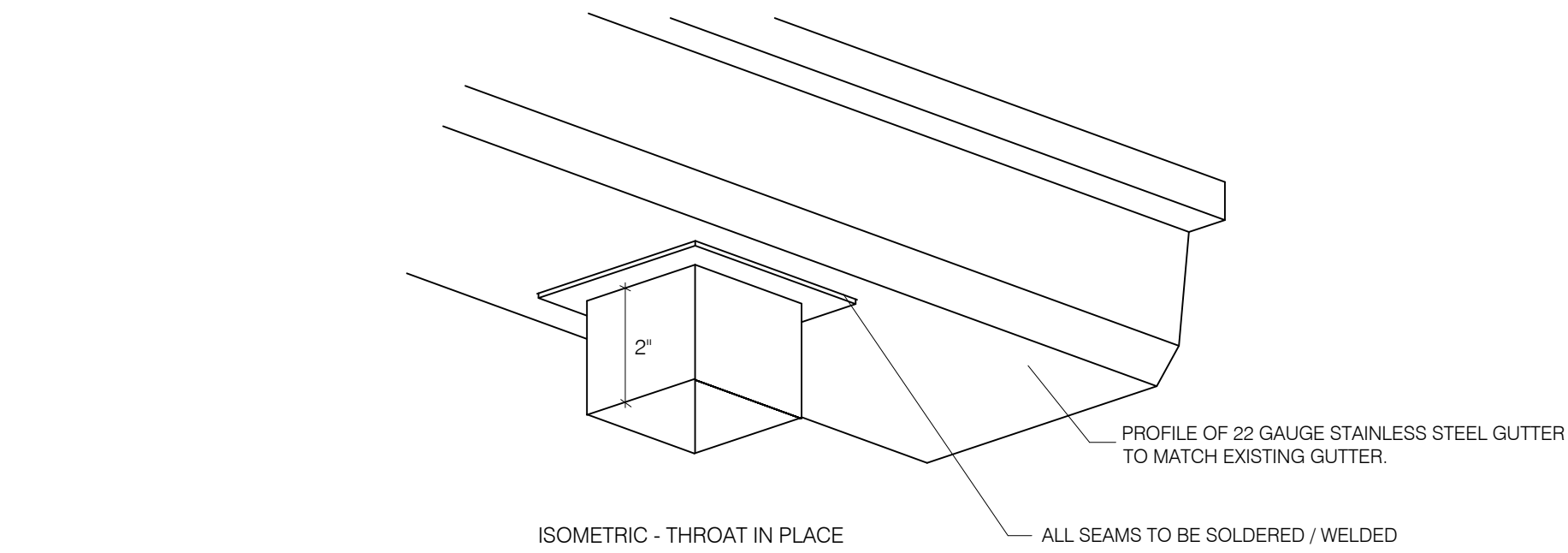
C METAL EDGE SECTION
 A5.4 SCALE: NTS



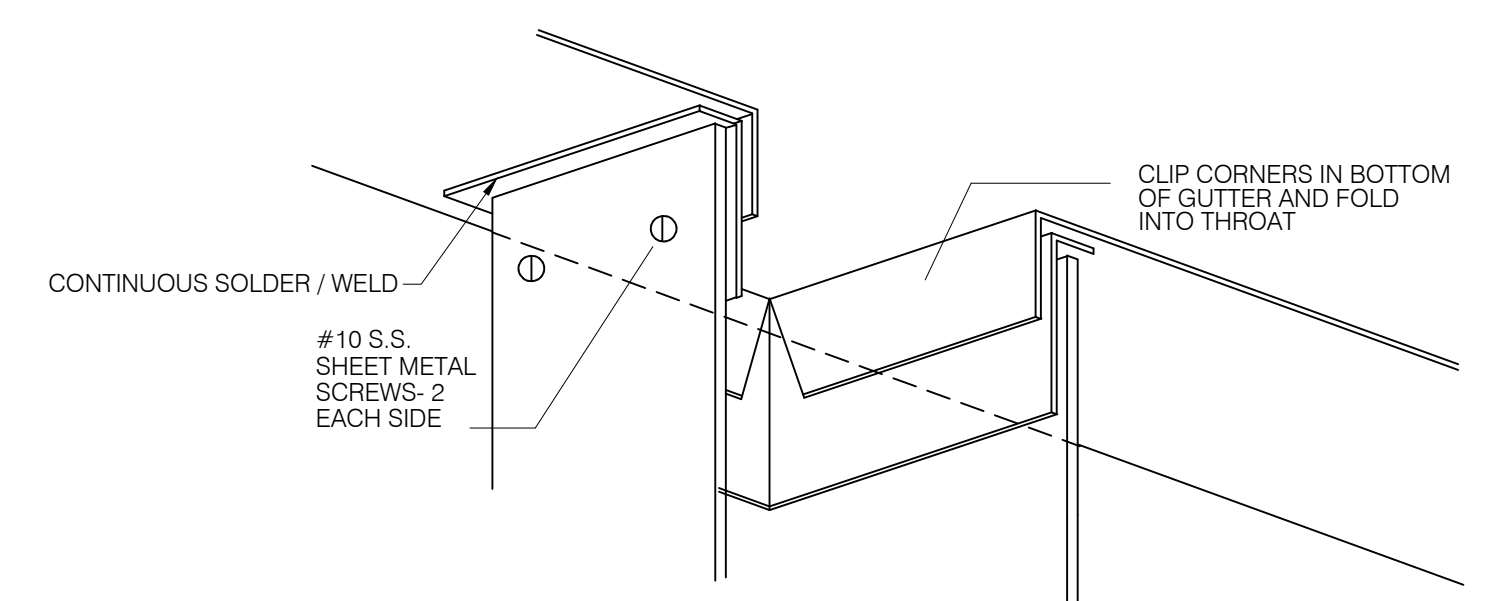
D METAL EDGE - OUTSIDE CORNER DETAIL
 A5.4 SCALE: NTS



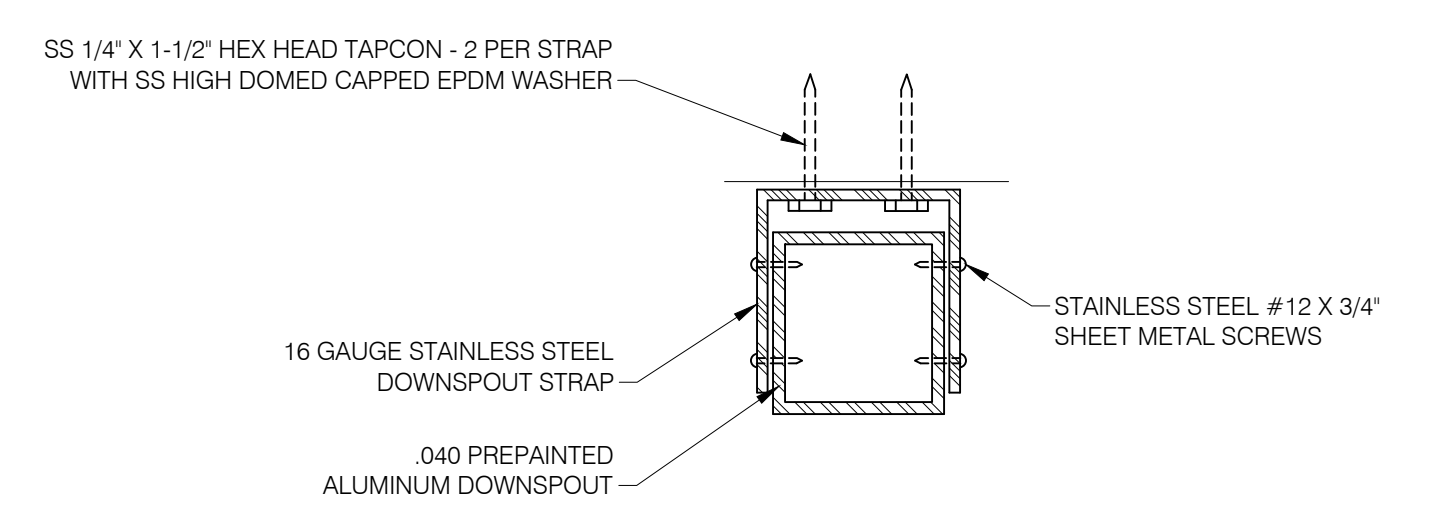
G GUTTER OUTSIDE CORNER
 A5.4 SCALE: NTS



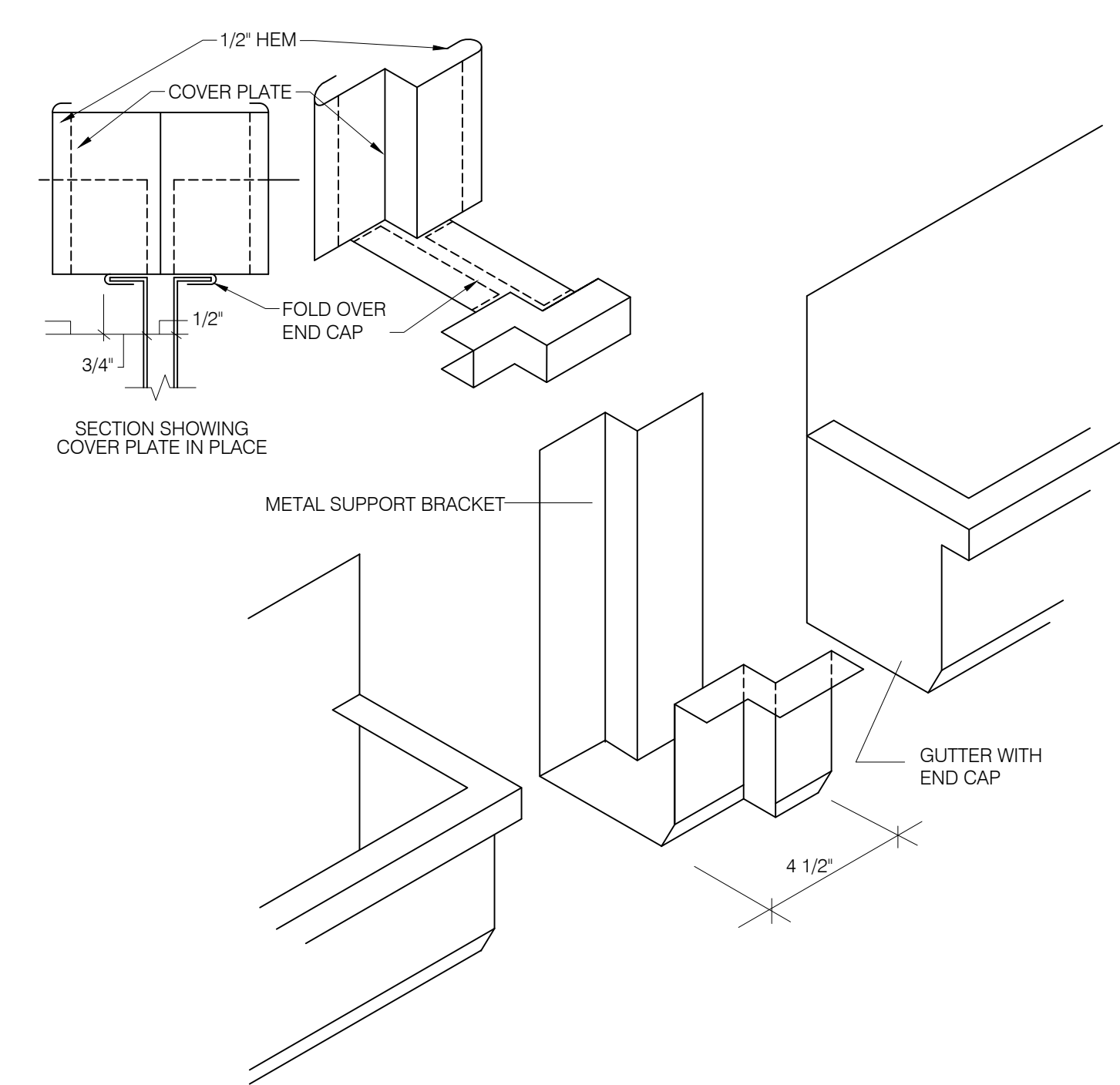
E GUTTER DOWNSPOUT CONNECTION
 A5.4 SCALE: NTS



H GUTTER END CAP
 A5.4 SCALE: NTS



F DOWNSPOUT CONNECTION
 A5.4 SCALE: NTS



I GUTTER EXPANSION JOINT
 A5.4 SCALE: NTS

MATERIAL COMPONENT SCHEDULE

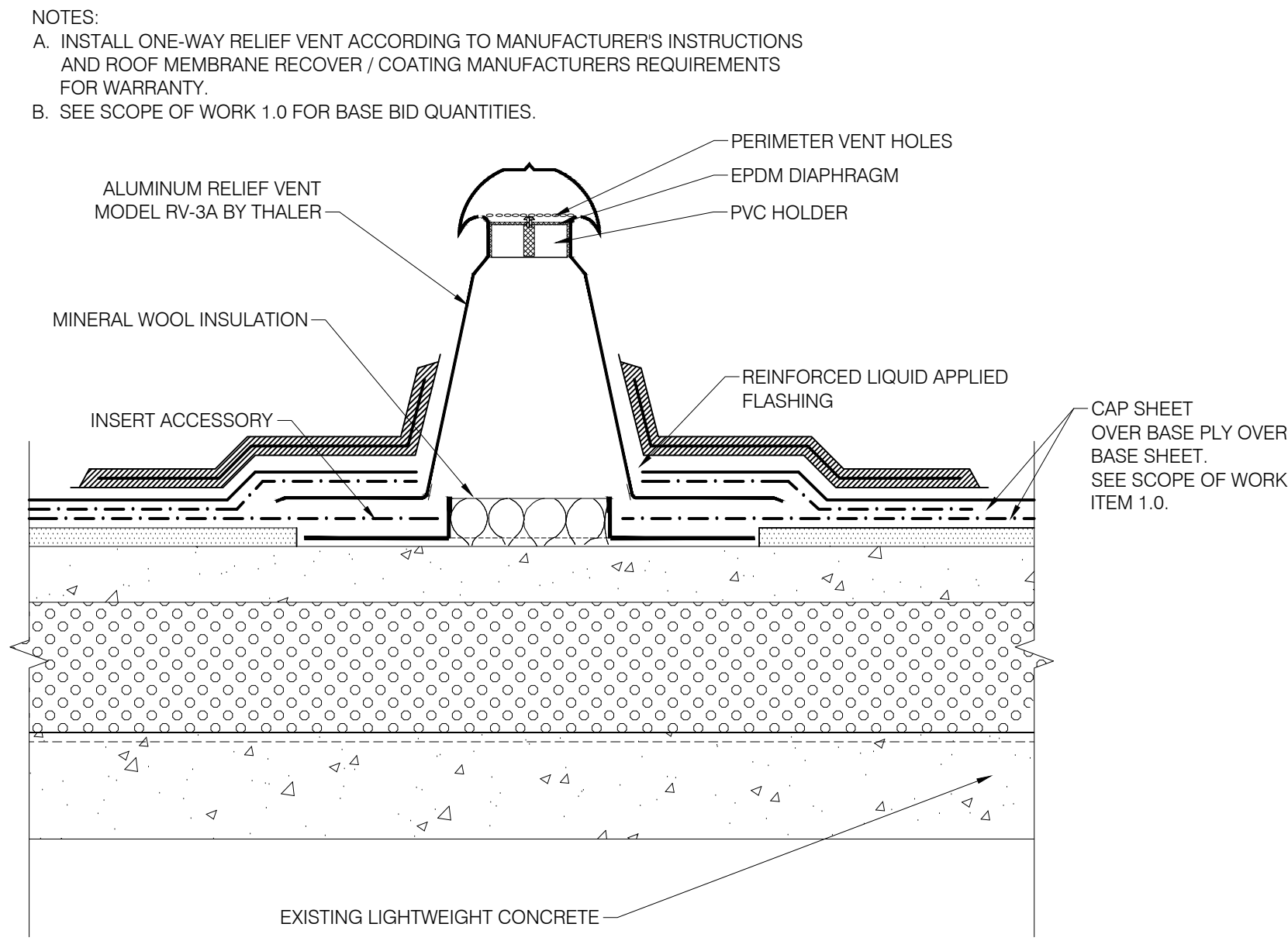
ROOF INSULATION SPECIFICATION SECTION 07220
COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECURROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.
RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, GRADE 2, FLAT INSULATION BOARDS. INSTALL TAPERED INSULATION OVER FLAT INSULATION WHERE DESIGNATED AND AS REQUIRED TO ACHIEVE A 1/4 INCH PER FOOT POSITIVE SLOPE WITH NO PONDING AFTER 24 HOUR DRYING TIME. TAPERED INSULATION SHALL BE FABRICATED AT ZERO INCH THICKNESS AT THIN EDGE.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 07316
BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLEAST.
BASE FLASHING - OUTER PLY: SBS METAL CLADDED SURFACED MODIFIED BITUMEN, ASTM D 6298, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "VERAL ALUMINUM" MANUFACTURED BY SIPLEAST.
BASE SHEET: LIGHTWEIGHT RANDOM FIBROUS GLAS MAT IMPREGANATED AND COATED WITH A SPECIALLY FORMULATED, HIGH QUALITY, OXIDIZED ASPHALT, ASTM D 4601 TYPE II MECHANICALLY ATTACHED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARABASE" BY SIPLEAST.
CANT STRIP: HIGH-DENSITY, LAMINATED PERLITE BOARD.
CAP SHEET: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER MEMBRANE BELOW. BASIS OF DESIGN: "PARADIENE 30 FR TG BW" MANUFACTURED BY SIPLEAST.
INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLEAST.
LIQUID-APPLIED FLASHING: A FIBERGLASS REINFORCED MULTI-COMPONENT PMMA FLASHING SYSTEM BY ROOF MEMBRANE MANUFACTURER.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. BASIS OF DESIGN: PARATHREAD BY SIPLEAST.
SELF-ADHERED UNDERLAYMENT: 045" SELF-ADHERED MODIFIED BITUMEN, ASTM E2357, (GCPAT "PERM-A-BARRIER HT") ADHERED OVER PRIMED SUBSTRATE BELOW.
STRIPPING PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, TORCHED APPLIED OVER SUBSTRATE BELOW. BASIS OF DESIGN: "PARADIENE 20 TG" MANUFACTURED BY SIPLEAST.

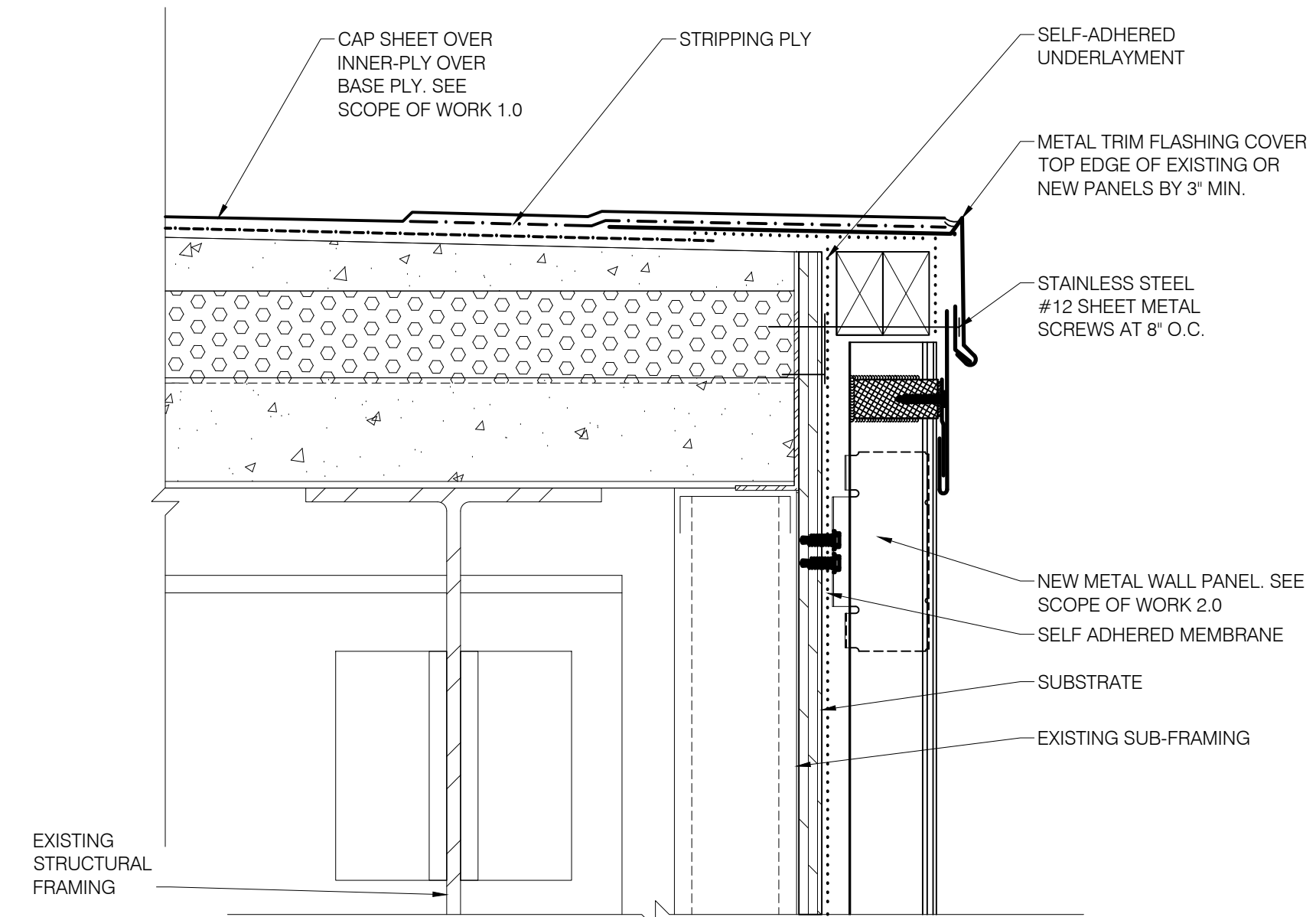
FLASHING, GUTTERS, DOWNSPOUTS, SHEET METAL AND OTHER ACCESSORIES SPECIFICATION SECTION 07600
CONCEALED SPLICE PLATE: 22 GAUGE STAINLESS STEEL, TYPE 304, 12 INCH LONG SEALED TO METAL FLASHINGS.
DOWNSPOUT: .040 ALUMINUM, .060 ALUMINUM AT BOTTOM 6", PRIMED AND PAINTED AS APPROVED BY OWNER.
DOWNSPOUT STRAPS: 22 GAUGE STAINLESS STEEL, TYPE 304.
GUTTER: .050 ALUMINUM, ASTM B209
GUTTER BRACKET: 1/8" THICK X 1" BENT ALUMINUM, ASTM B209
GUTTER STRAP: .050 ALUMINUM, ASTM B209
METAL CLEAT: 30 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE I: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL COUNTERFLASHING TYPE II: .040 ALUMINUM, ASTM B209
METAL EDGE: .050 ALUMINUM, ASTM B209
METAL RECEIVER FLASHING: .040 ALUMINUM, ASTM B209
METAL SKIRT FLASHING: 22 GAUGE STAINLESS STEEL, TYPE 316.
METAL Z-CLOSURE: 22 GAUGE STAINLESS STEEL, TYPE 316
ONE-PIECE TRANSITION FLASHING: .040 ALUMINUM, ASTM B209
PLUMBING VENT FLASHING EXTENSION: PRE-FABRICATED PVC EXTENSIONS.
TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL TYPE 304 WITH PRE-PUNCHED HOLES AT 6" O.C.

JOINT SEALANTS SPECIFICATION SECTION 07920
BACKER ROD: CLOSED-CELL BACKER ROD.
BUTYL SEALANT: ONE-PART GUN GRADE, BUTYL-RUBBER BASED JOINT SEALANT, ASTM C 1311.
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.
SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.
STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, "M-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS.
URETHANE SEALANT: SINGLE-COMPONENT, NONSAG, POLYURETHANE JOINT SEALANT; ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

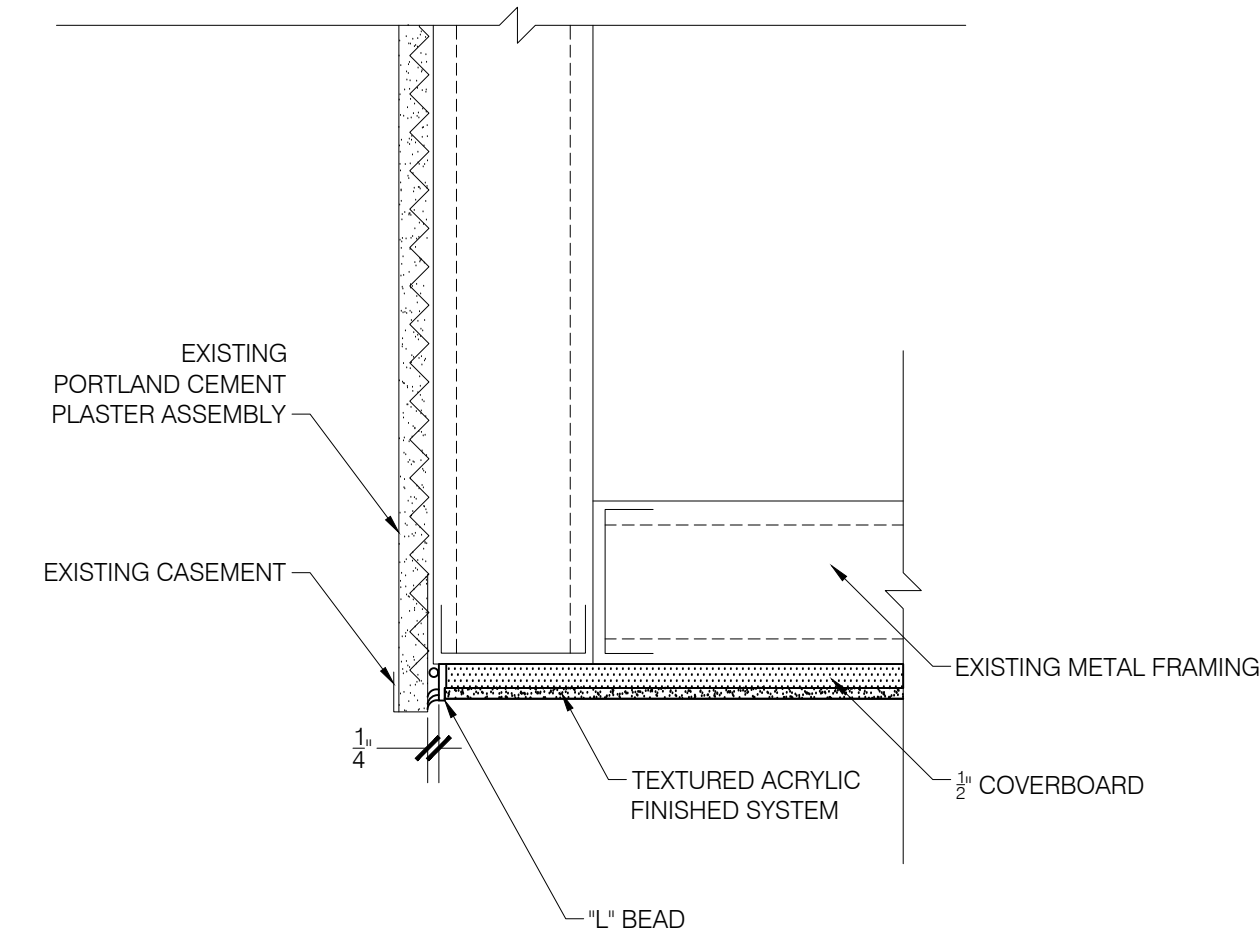
METAL PANELS SPECIFICATION SECTION 074113
STANDING SEAM PANELS: 0.040" ALUMINUM ALLOY, ASTM B209 WITH 2-COAT FLUOROPOLYMER FINISH AS APPROVED BY OWNER. BASIS OF DESIGN: "SERIES 300" BY METCO.
TEXTURED ACRYLIC FINISH SYSTEM: BASE COAT, REINFORCING MESH AND FINISH COAT INSTALLED AS PER MANUFACTURERS INSTALLATION REQUIREMENTS. BASIS OF DESIGN: "TAFS" BY DRYVIT.
L-BEAD: HIGH IMPACT PVC ACCESSORY.



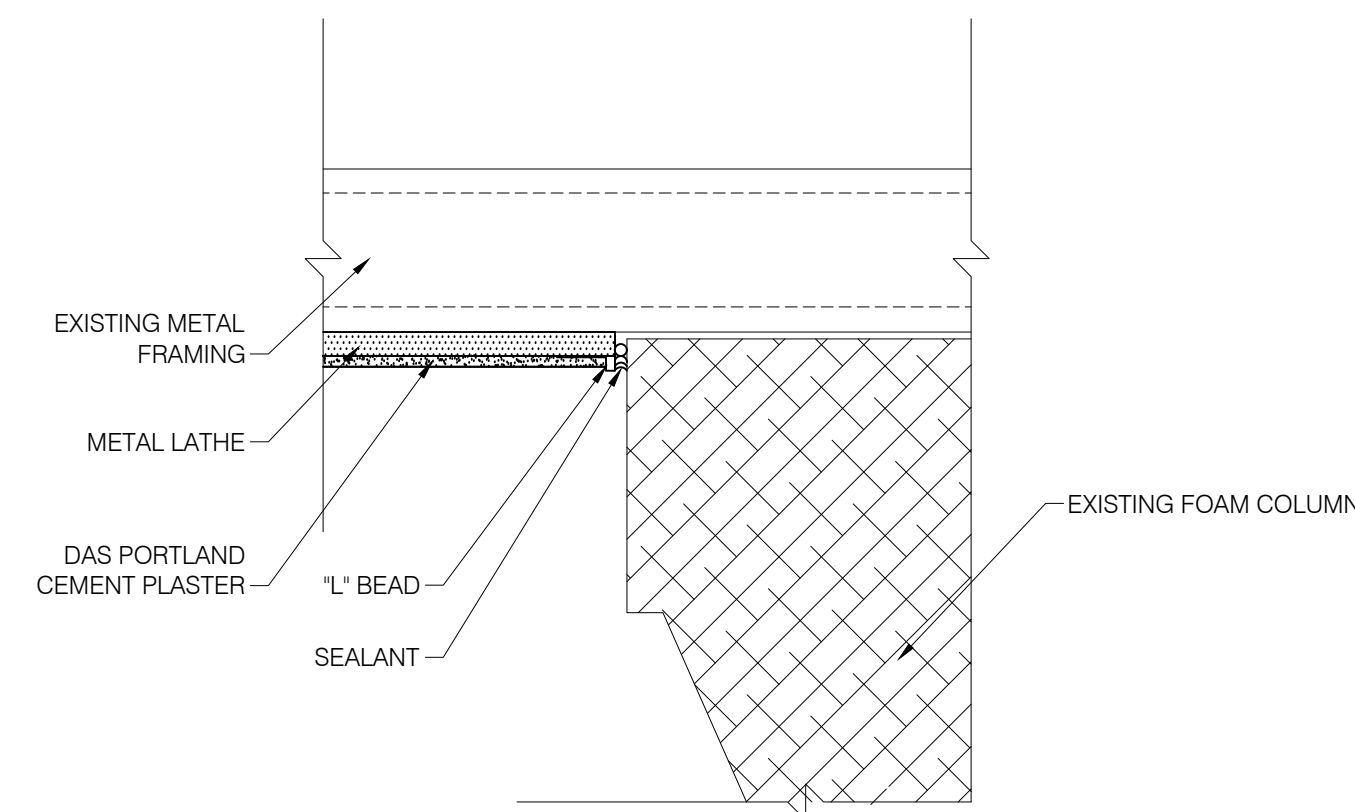
A ONE-WAY ROOF VENT DETAIL
 SCALE: NTS



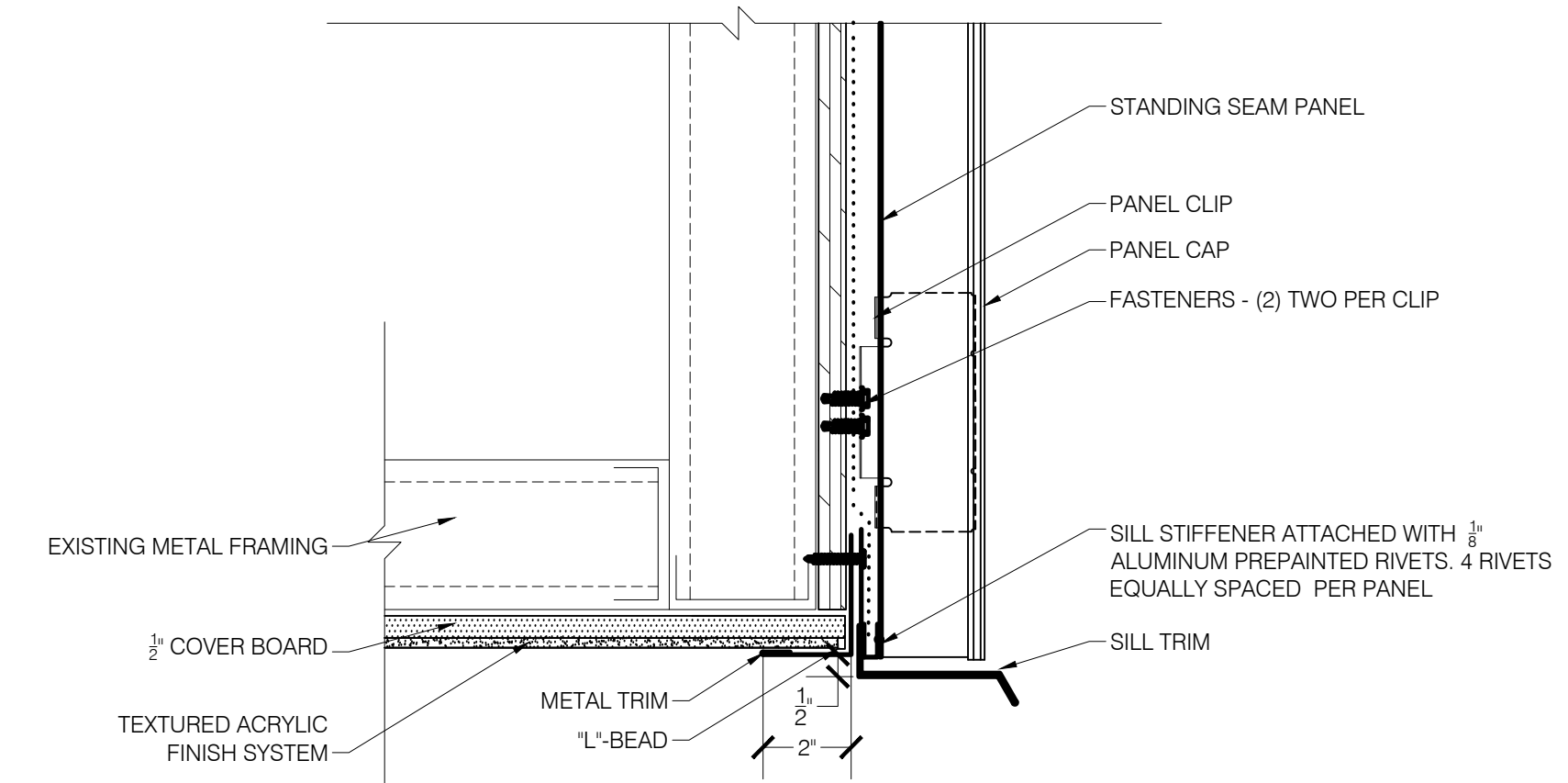
B METAL EDGE DETAIL AT CANOPY
 SCALE: NTS



C SOFFIT EDGE DETAIL AT CANOPY
 SCALE: NTS



D SOFFIT DETAIL AT CANOPY
 SCALE: NTS



E DRIP EDGE DETAIL AT CANOPY
 SCALE: NTS

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

JAY AMMON ARCHITECT, INC.
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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LBH PROJECT NUMBER: 19-030
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

ROOFING REPLACEMENT
 DETAILS
A5.5
 PLOT: 3" = 1'-0" SHEET

NORTH ELEVATIONS



1 PHOTOGRAPH 1
A7.1

FASCIA PANELS



2 PHOTOGRAPH 2
A7.1

GUTTER AND FLASHING



3 PHOTOGRAPH 3
A7.1

CLERESTORY WALL



4 PHOTOGRAPH 4
A7.1

MECHANICAL FLASHING



5 PHOTOGRAPH 5
A7.1

CLERESTORY BASE FLASHING



6 PHOTOGRAPH 6
A7.1

MECHANICAL EQUIPMENT



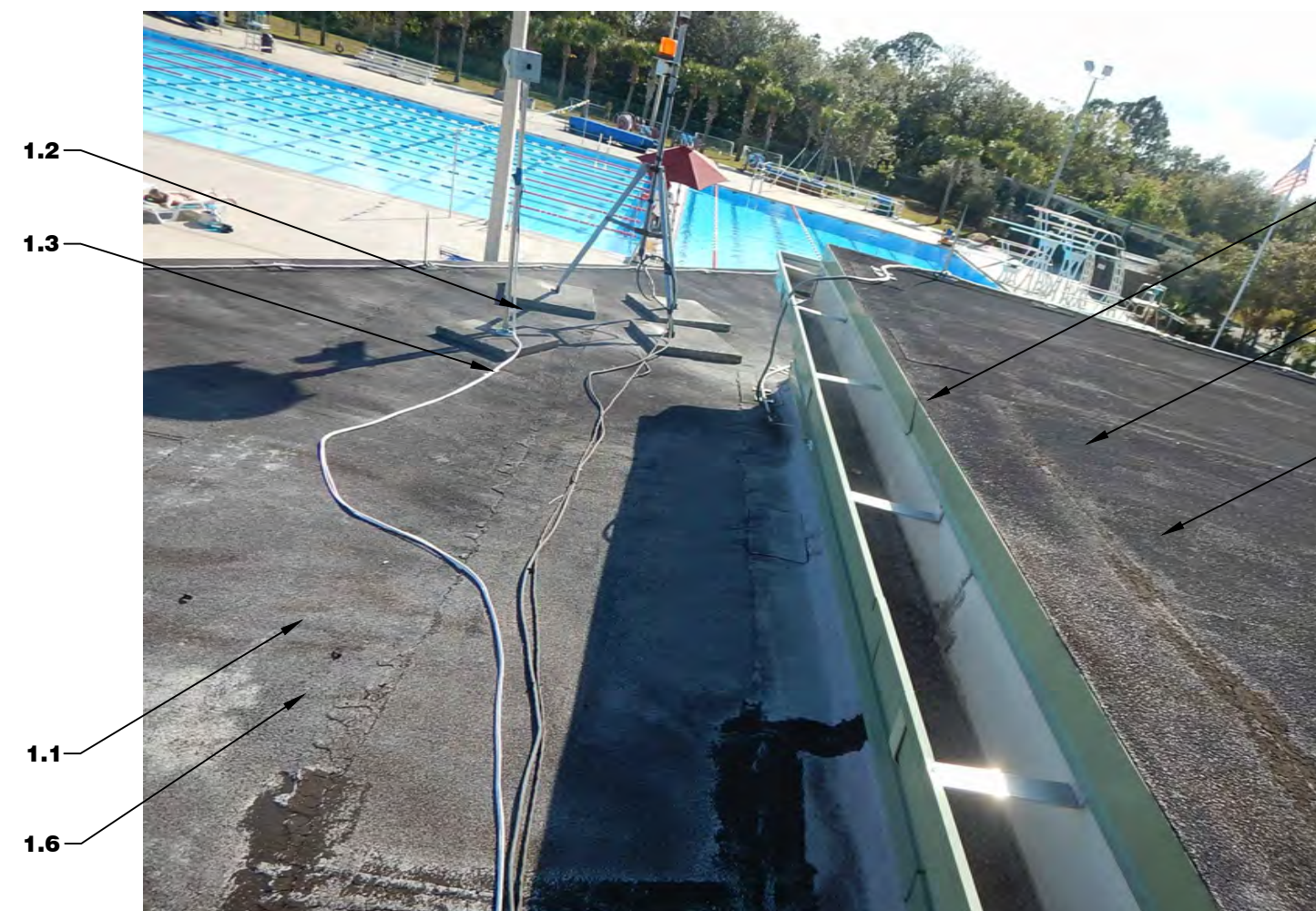
7 PHOTOGRAPH 7
A7.1

PITCH POCKET



8 PHOTOGRAPH 8
A7.1

EXISTING LIGHTNING SENSOR



9 PHOTOGRAPH 9
A7.1

A PHOTOGRAPHS
A7.1

SCOPE OF WORK:
0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES UNLESS OTHERWISE SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:
1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOFING SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE. INSTALL GIRLASH ZONE PATCH COMPOUND AS REQUIRED TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WEET AREAS TO BE FULLY REMOVED. INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTALL DURING THE ROOFING REPLACEMENT PROJECT AS REQUIRED TO PROVIDE A WATERIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, OUTLETS, CONDUITS, ANTENNAS, SELECTION BOXES, CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THIS SCOPE OF WORK. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDING EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROOF TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS FOR REMOVAL, REMOVE ALL EXISTING CURBS AND FLASHINGS. REINSTALL PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE NEW FINISHED ROOF SURFACE. INSTALL A LIQUID APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATIONS. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER IAS 104 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A-2-3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY AT ALL BASE FLASHINGS. MECHANICALLY ATTACHED 3/8" DENS-DECK PRIME COVER BOARD SECURED WITH 3/8" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY INSTALL TERMINATION BAR AND SECURE. FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHINGS WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THERMALLY EXPAND AND CONTRACT AT LOW WINDOW FLASHING. INSTALL THALER APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 078216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANS/SPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW 090° PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANS/SPRI ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXTEND PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURERS INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURERS INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:
2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERM-A-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURERS INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL 3/4" STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:
3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/8" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:
4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING REMOVE ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS
 INDIAN RIVER COUNTY
 INDIAN RIVER COUNTY AQUATIC FACILITY
 INDIAN RIVER COUNTY, FLORIDA
 ROOFING REPLACEMENT
 PROJECT NUMBER: 19-030

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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: LJB PROJECT NUMBER: 19-012
 APPROVED BY: JPA PHASE: 90% DOCUMENTS
 ENGINEER: DATE: JUNE 7, 2019

PHOTOGRAPHS
 A7.1
 PLOT: N.T.S. SHEET

EXISTING LIGHTNING SENSOR



1 PHOTOGRAPH 1
A7.2

NORTH ROOF EDGE



4 PHOTOGRAPH 4
A7.2

CANOPY AND WALL INTERSECTION



2 PHOTOGRAPH 2
A7.2

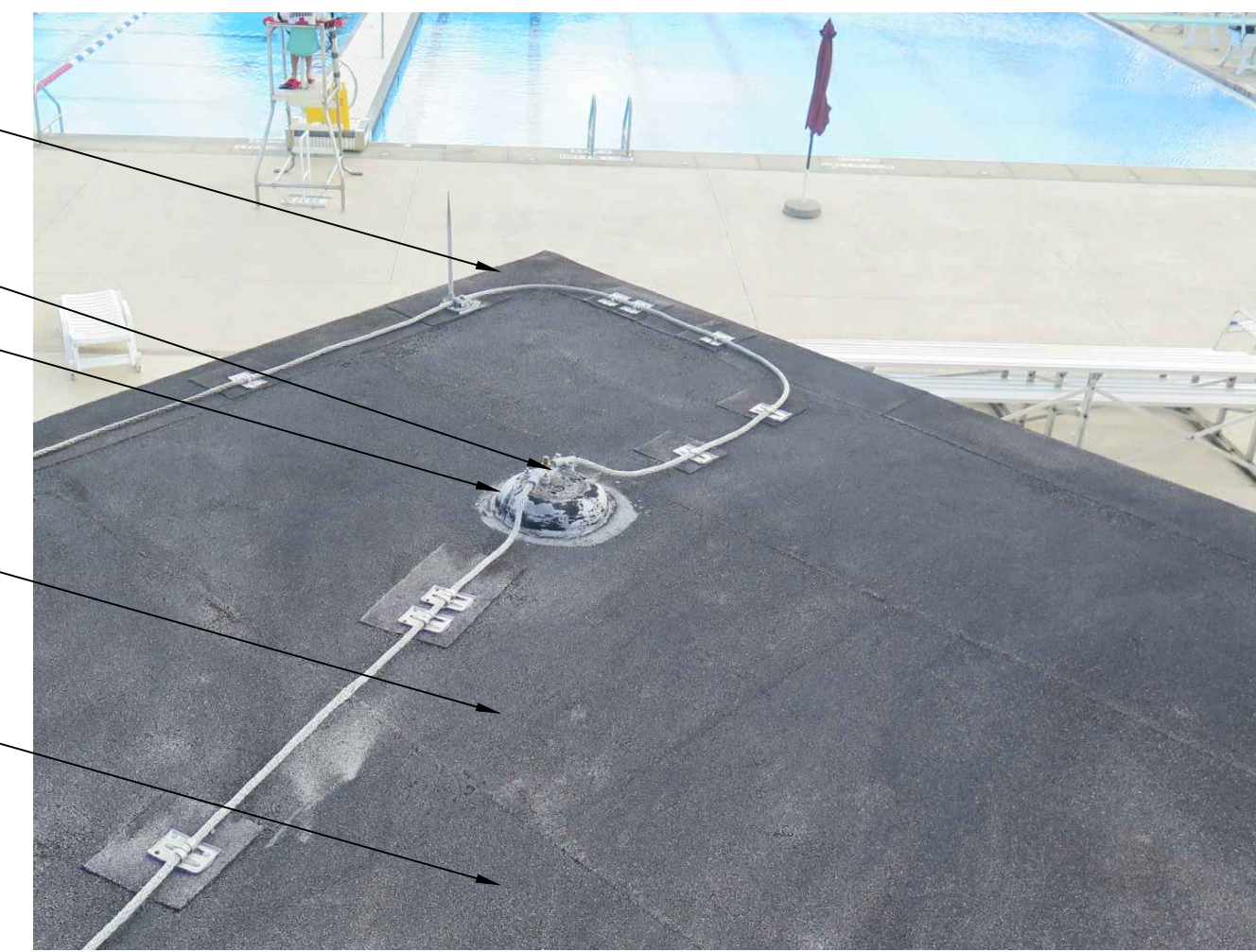
CLERESTORY BASE FLASHING



3 PHOTOGRAPH 3
A7.2



5 PHOTOGRAPH 5
A7.2



6 PHOTOGRAPH 6
A7.2



7 PHOTOGRAPH 7
A7.2



8 PHOTOGRAPH 8
A7.2



9 PHOTOGRAPH 9
A7.2

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF INDIAN RIVER COUNTY NORTH COUNTY REGIONAL PARK AQUATIC FACILITY INCLUDES THE FULL REPLACEMENT OF DESIGNATED ROOFING ASSEMBLY COMPONENTS. WHERE A SCOPE OF WORK ITEM IS DESIGNATED, THAT DESIGNATION IS TYPICAL FOR ALL SIMILAR COMPONENTS AND ASSEMBLIES WHETHER OR NOT SPECIFICALLY DENOTED/CALLED OUT IN THE DRAWINGS. SEE SHEETS A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK ITEMS.

1.0 ROOFING REPLACEMENT - LOW SLOPE ROOF AREAS:

1.1 ROOFING REMOVAL: REMOVE ALL EXISTING ROOFING FROM THE TOP SURFACE OF THE EXISTING SLOPED LIGHTWEIGHT CONCRETE. REMOVE ANY DAMAGED OR DETERIORATED LIGHTWEIGHT CONCRETE AND INSTALL SLOPE PATCH PATCHING COMPOUND AS REQUIRED TO PROVIDE TO FILL AREAS SMOOTH AND FLUSH WITH ADJACENT LIGHTWEIGHT CONCRETE SURFACES. AT WET AREAS TO BE FULLY REMOVED. INSTALL POLYISOCYANURATE AND COVERBOARD FLUSH WITH ADJACENT LOCATIONS. REMOVE ALL ASBESTOS CONTAINING MATERIALS AND PROPERLY DISPOSE OF ACCORDING TO OWNER AND CURRENT GOVERNMENTAL REQUIREMENTS. OBTAIN ASBESTOS SURVEY REPORT FROM INDIAN RIVER COUNTY PRIOR TO DEMOLITION. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL ROOF MEMBRANES, LIGHTWEIGHT CONCRETE VENTS, METAL FLASHINGS, DETERIORATED PORTIONS OF THE EXISTING LIGHTWEIGHT CONCRETE, RELATED FASTENERS AND CANTS.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING EXISTING COMPONENTS AND REINSTATEMENT PROJECT AS REQUIRED TO PROVIDE TO COMPONENTS DESCRIBED IN THIS WATER TIGHT INSTALLATION. REPAIR OR REPLACE THE COMPONENTS AS REQUIRED TO MEET OR EXCEED THE LEVEL OF PERFORMANCE THAT WAS PRESENT PRIOR TO REMOVAL OF THE COMPONENT. COMPONENTS INCLUDE ELECTRICAL, UNCLE BOXES, CUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. REINSTATE ALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 LIGHTNING PROTECTION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE ROOF SURFACE WHICH ARE ATTACHED TO COMPONENTS DESCRIBED IN THE DRAWINGS TO REMAIN. REINSTALL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-780 BY A LICENSED CONTRACTOR WITH A MINIMUM 5 YEARS OF EXPERIENCE IN THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS. MAINTAIN OPERATION OF LIGHTNING PROTECTION SYSTEM DURING CONSTRUCTION. EXISTING GROUNDS EXTENDING THROUGH ROOF ARE TO BE EXTENDED A MINIMUM 8" ABOVE THE FINISHED ROOF TO SEAL WITH LIQUID APPLIED MEMBRANE. ROFS TO BE SMOOTH FOR MIN. 2" TO SEAL LIQUID APPLIED MEMBRANE. GRIND OFF THREADS AT THIS AREA AS NECESSARY. RE-CERTIFY THE LIGHTNING PROTECTION SYSTEM PER INDIAN RIVER COUNTY REQUIREMENTS.

1.4 PIPE PENETRATIONS AND EQUIPMENT CURB INSTALLATION: WHERE DESIGNATED ON THE DRAWINGS TO REMAIN. REMOVE EXISTING FLASHINGS AT THE EXISTING PLUMBING VENTS. EXTEND EXISTING PLUMBING VENTS AS REQUIRED TO MAINTAIN A MINIMUM HEIGHT OF 8 INCHES ABOVE THE FINISHED ROOF SURFACE. INSTALL A LIQUID-APPLIED FLASHING SYSTEM BY THE MANUFACTURER OF THE ROOF MEMBRANE AT PIPE PENETRATION. ALL MECHANICAL AND ELECTRICAL WORK TO BE COMPLETED BY A STATE OF FLORIDA LICENSED ELECTRICIAN AND / OR MECHANICAL CONTRACTOR.

1.5 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE ROOF MEMBRANE AND LIGHTWEIGHT CONCRETE PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED FPA FOR EACH ROOF ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED BASE SHEET FASTENER SPACING CALCULATIONS TO BITUMEN OUTER PLY INSTALLATION. FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE SHEET A-2-3 FOR WIND UPLIFT PRESSURES.

1.6 NEW MODIFIED BITUMEN ROOFING MEMBRANE ASSEMBLY: AT DESIGNATED ROOF AREAS, MECHANICALLY ATTACH AN ASPHALTIC BASE SHEET TO THE EXISTING LIGHTWEIGHT CONCRETE DECK. TORCH APPLY ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN INNER PLY ROOF MEMBRANE OVER THE BASE SHEET. TORCH APPLY ONE PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER THE BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACHED 3" DENS-DECK PRIME COVER BOARD SECURED WITH 3" TAPCON WITH 3" PLATES AT 12" O.C. HORIZONTALLY AND VERTICALLY. TORCH APPLY ONE SMOOTH MODIFIED BITUMEN INNER PLY AND ONE METAL CLAD MODIFIED BITUMEN OUTER PLY. INSTALL TERMINATION BAR AND SECURE FABRICATE AND INSTALL NEW PRE-PAINTED ES-1 CERTIFIED ALUMINUM COUNTER-FLASHING WHERE INDICATED AND WHERE REQUIRED FOR A TOTAL ROOFING ASSEMBLY. SOLDERWELD ALL JOINTS NOT REQUIRED TO THE MAIN FLASHING AND CONTRACT AT LOW WINDOW FLASHING. INSTALL THALER APPLIED TWO-PIECE COUNTER-FLASHING WITH BUTYL TAPE AND SEALANT. INSTALL THALER ALUMINUM ONE WAY DECK VENTS AT A RATE OF 1 PER 1000 SQUARE FEET OF ROOF AREA PER ROOF MEMBRANE MANUFACTURER REQUIREMENTS. SEE DETAILS ON A5.1 FOR TYPICAL ROOF DETAILS AND SEE SPECIFICATION 075216.

1.7 METAL FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSISPR1 ES-1 REQUIREMENTS. INSTALL FULLY WELDED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS.

1.8 ROOF WALK PADS: INSTALL NEW MODIFIED BITUMEN ROOF WALKWAY PADS AT ALL CURBED ROOF MOUNTED EQUIPMENT. COLOR OF NEW WALKPADS TO BE SELECTED BY OWNER IN FIELD.

1.9 ROOF DRAINAGE COMPONENTS: INSTALL NEW 600" PRE-PAINTED ALUMINUM GUTTERS AND DOWNSPOUTS SIZED TO MEET CURRENT BUILDING CODE REQUIREMENTS. NEW GUTTER SYSTEM TO MEET ANSISPR1 ES-1 REQUIREMENTS. PRIME AND PAINT GUTTER DOWNSPOUTS TO MATCH EXISTING. PROVIDE NEW SPLASH BLOCKS WHERE DOWNSPOUT DOES NOT CONNECT TO SUBGRADE DRAINAGE LINES.

1.10 PITCH POCKETS: REMOVE EXISTING PITCH POCKETS AT ROOF. EXCEED PENETRATION TO MINIMUM 8" ABOVE ROOF HEIGHT. SEAL PENETRATION WITH LIQUID APPLIED MEMBRANE AS PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS.

1.11 MECHANICAL EQUIPMENT FLASHING: AT EXISTING MECHANICAL EQUIPMENT INSTALL NEW SKIRT FLASHING AROUND PERIMETER OF EXISTING FLASHING. SEAL BASE FLASHING AS PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

2.0 WALL PANEL INSTALLATION - STANDING SEAM METAL WALL PANEL ASSEMBLY:

2.1 WALL PANEL INSTALLATION: INSTALL NEW STANDING SEAM METAL WALL PANELS AT THE CLERESTORY WALL BETWEEN ROOF AREA B AND ROOF A & C AND CANOPY FASCIA AS DEPICTED ON THE DRAWINGS. PRIME STUCCO AND INSTALL A LAYER OF GRACE PERM-A-BARRIER SELF ADHERED UNDERLAYMENT. INSTALL NEW PAINTED ALUMINUM WALL PANEL PER MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL SLEEVES AT ALL EXISTING PENETRATIONS AND SEAL. RELOCATE EXISTING ELECTRICAL CONDUITS FROM FACE OF WALL TO FACE OF METAL PANELS. SEAL FASTENER CLIPS WITH NEOPRENE WASHERS AND SEALANT. PANELS TO BE FACTORY FINISHED. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS FOR THE ATTACHMENT OF NEW METAL WALL PANELS TO MEET OR EXCEED PROJECT WIND PRESSURES. SEE SPECIFICATION SECTION 074120.

2.2 FASCIA PLYWOOD SUBSTRATE INSTALLATION: REMOVE EXISTING FASCIA PANELS AND SUB-FRAMING. INSTALL #2 STRUCTURAL PLYWOOD ONTO EXISTING WALL FRAMING/METAL TRACKS. PLYWOOD TO BE INSTALLED TO EACH METAL STUD WITH #12 COUNTERSUNK FLAT HEAD SCREWS AT 12" O.C.

3.0 CANOPY SOFFIT REPAIRS:

3.1 ACRYLIC PLASTER FINISH: REMOVE DAMAGED SOFFIT AND LATHE AT FRONT 5' OF SOFFIT. INSTALL NEW SUBSTRATE 3/4" COVERBOARD ONTO EXISTING FRAMING AND INSTALL NEW ACRYLIC PLASTER FINISH MATCHING THE EXISTING.

4.0 MISCELLANEOUS REPAIRS:

4.1 PAINT CORRODED EXPOSED PERIMETER METAL FRAMING: AT EXISTING EXPOSED CORRODED METAL FRAMING, REMOVE CORROSION FROM THE EXPOSED STEEL SURFACES ALL CORROSION FROM THE EXPOSED STEEL SURFACES DOWN TO BARE STEEL. PRIME SURFACES AND APPLY A PPG AMERLOCK 2 HIGH PERFORMANCE EPOXY COATING TO ALL METAL SURFACES. PRIME AND PAINT EXPOSED SURFACES WITH TWO COATS OF ACRYLIC PAINT.

CONSTRUCTION DOCUMENTS

INDIAN RIVER COUNTY
INDIAN RIVER COUNTY AQUATIC FACILITY
INDIAN RIVER COUNTY, FLORIDA
ROOFING REPLACEMENT

PROJECT NUMBER: 19-030

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REVISIONS		
NUMBER	TYPE	DATE

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PHOTOGRAPHS
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PLOT: N.T.S. SHEET