

CONSTRUCTION DOCUMENTS

JOE'S CRAB SHACK

CITY OF DAYTONA BEACH

EXTERIOR DECK AND ROOFING REPLACEMENT PROJECT

1200 MAIN STREET
DAYTONA BEACH, FLORIDA 32118

PREPARED FOR:



PO NO. 0000015552

SEPTEMBER 25, 2019



DRAWING INDEX

SHEET NUMBER	SHEET TITLE	ORIGINAL DATE	REVISION NUMBER	REVISION DATE	SHEET NUMBER	SHEET TITLE	ORIGINAL DATE	REVISION NUMBER	REVISION DATE
AD1.1	COVER SHEET	9/25/2019	0	NA	A3.1	ROOFING REPLACEMENT DETAILS	9/25/2019	0	N/A
SP1.1	SITE PLAN	9/25/2019	0	N/A	A3.2	ROOFING REPLACEMENT DETAILS	9/25/2019	0	N/A
A1.1	SYMBOLS, ABBREVIATIONS & CODE INFORMATION	9/25/2019	0	N/A	A3.3	ROOFING REPLACEMENT DETAILS	9/25/2019	0	N/A
A1.2	GENERAL NOTES	9/25/2019	0	NA	A3.4	ROOFING REPLACEMENT DETAILS	9/25/2019	0	NA
A2.0	EXISTING CONDITIONS ROOF PLAN	9/25/2019	0	NA	A3.5	ROOFING REPLACEMENT DETAILS	9/25/2019	0	N/A
A2.1	PROPOSED ROOF PLAN	9/25/2019	0	NA	A3.6	ROOFING REPLACEMENT DETAILS	9/25/2019	0	N/A
A2.2	WIND UPLIFT PRESSURE PLAN	9/25/2019	0	NA	A5.1	PHOTOGRAPHS	9/25/2019	0	N/A
A2.3	PARTIAL PROPOSED ROOF PLAN	9/25/2019	0	NA	A5.2	PHOTOGRAPHS	9/25/2019	0	N/A
A2.4	WALL SECTIONS AND ELEVATIONS	9/25/2019	0	NA	A5.3	PHOTOGRAPHS	9/25/2019	0	N/A
A2.5	WALL SECTIONS	9/25/2019	0	NA	A7.0	ALTERNATE PROPOSED ROOF PLAN	9/25/2019	0	N/A
					A7.1	ALTERNATE ROOF DETAILS	9/25/2019	0	N/A
					A7.2	ALTERNATE PHOTOGRAPHS	9/25/2019	0	N/A

ARCHITECTS CODE COMPLIANCE CERTIFICATION

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

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JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
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PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: NHR PROJECT NUMBER: 19-020
APPROVED BY: JBA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

COVER SHEET

AD1.1

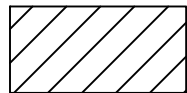
PLOT: N.T.S. SHEET

CONSTRUCTION SITE NOTES:

1. **CONSTRUCTION LIMITS:** LIMITS ARE WITHIN 10 FEET MAXIMUM OF BUILDINGS EXCEPT WHERE OTHERWISE INDICATED.
2. **CONSTRUCTION STAGING AREA:** COORDINATE IN THE FIELD WITH REPRESENTATIVE FROM THE OWNER FOR SPECIFIC LOCATION.
3. **ACCESSIBLE PATH:** 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.



LEGEND:

AREA OF WORK - 

NORTH   **SITE PLAN**
SCALE: N.T.S.

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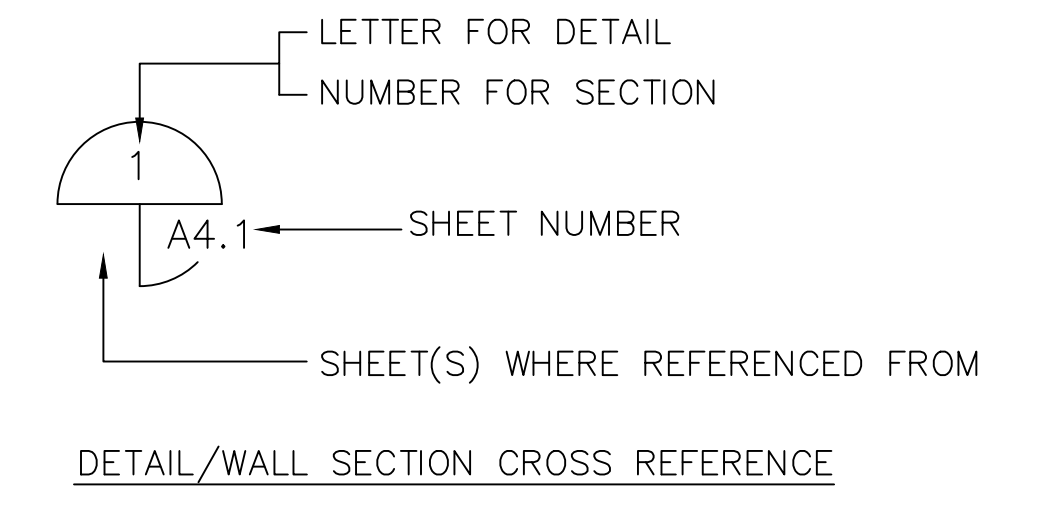
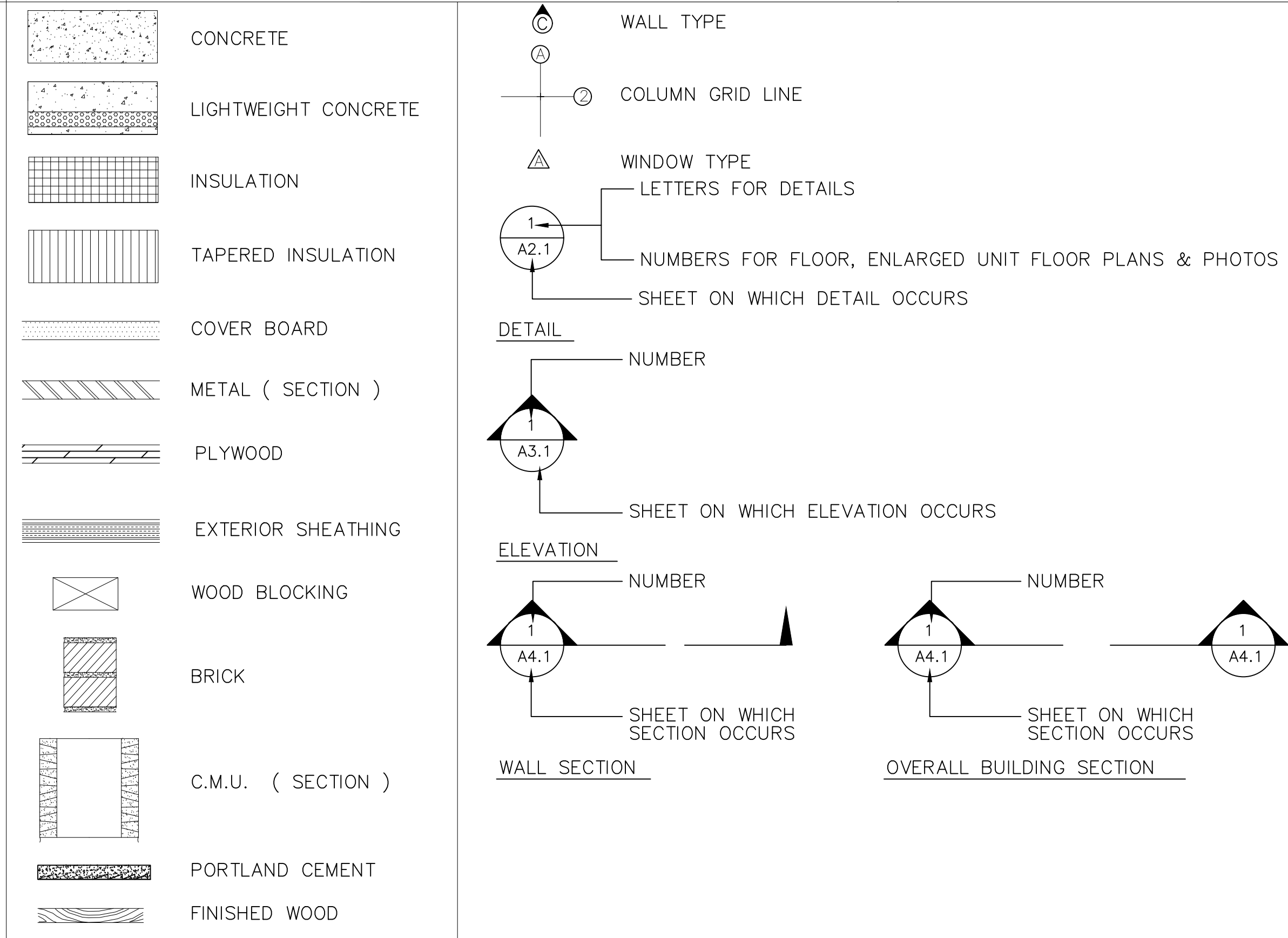
SITE PLAN
SP1.0
 PLOT: N.T.S. SHEET

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.	GYPSON
GYP.BD.	GYPSON 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
L.T. 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 GYPSON 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
LBS.	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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SYMBOLS, ABBREVIATIONS
AND CODE INFORMATION

PLOT: 1"=20' SHEET **A1.1**

LEGEND:

SYMBOL	DESCRIPTION
—	ROOF EDGE
— — —	ROOF PERIMETER RAILINGS
- - - -	RIDGE LINE
⊕	EXISTING RETROFIT ROOF DRAIN
⊙	POWER VENT
○	PIPE PENETRATIONS
⊕	FLOOR SINK
⊕	EXISTING WOOD COLUMNS
H	TRASH CHUTE HATCH
▨	EXISTING ROOF TYPE 1: EXPOSED SINGLE-PLY ROOFING
▨	EXISTING ROOF TYPE 2: SINGLE-PLY COVERED WITH RUBBER FLOORING
▨	EXISTING ROOF TYPE 3: SINGLE-PLY COVERED WITH CERAMIC TILE
▨	EXISTING ROOF TYPE 4: SINGLE-PLY COVERED WITH WOOD DECKING
XX	ROOF AREA DESIGNATION
N.I.C.	NOT IN CONTRACT
ⓧ	DETAIL DESIGNATION
ⓧ	DETAIL DESIGNATION

NOTE:
1. EXISTING SLOPE LINES NOT SHOWN FOR CLARITY. SEE A1

EXISTING ROOFING ASSEMBLY - TYPE 1

ROOF COMPONENTS	
OVERBURDEN	WALK PADS AS NECESSARY
RECOVERY MEMBRANE	SINGLE-PLY ROOF MEMBRANE
SUBSTRATE	STRUCTURAL WOOD DECK
ORIGINAL MEMBRANE	ADHERED ASPHALTIC MEMBRANE
DECK	STRUCTURAL WOOD DECK
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
ROOF FLASHINGS	ALUMINUM
DRAINAGE	RECOVERY DRAINS AND ROOF EDGE

EXISTING ROOFING ASSEMBLY - TYPE 2

ROOF COMPONENTS	
OVERBURDEN	RUBBER TILES
RECOVERY MEMBRANE	SINGLE-PLY ROOF MEMBRANE
SUBSTRATE	STRUCTURAL WOOD DECK
ORIGINAL MEMBRANE	ADHERED ASPHALTIC MEMBRANE
DECK	STRUCTURAL WOOD DECK
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
ROOF FLASHINGS	ALUMINUM
DRAINAGE	RECOVERY DRAINS AND ROOF EDGE

EXISTING ROOFING ASSEMBLY - TYPE 3

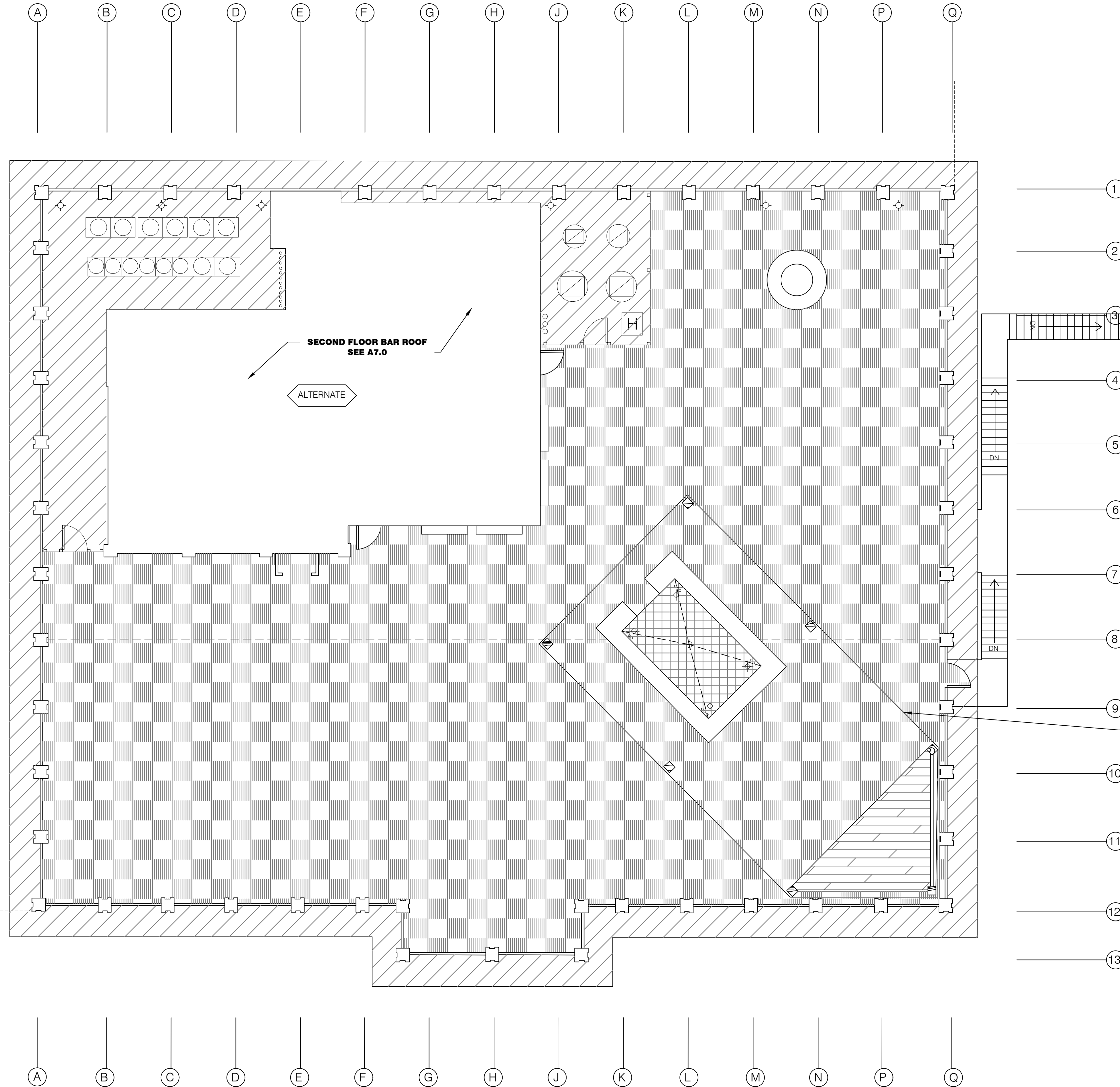
ROOF COMPONENTS	
OVERBURDEN	CERAMIC TILE
RECOVERY MEMBRANE	SINGLE-PLY ROOF MEMBRANE
SUBSTRATE	STRUCTURAL WOOD DECK
ORIGINAL MEMBRANE	ADHERED ASPHALTIC MEMBRANE
DECK	STRUCTURAL WOOD DECK
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAIN AND FLOOR SINKS

EXISTING ROOFING ASSEMBLY - TYPE 4

ROOF COMPONENTS	
OVERBURDEN	WOOD DECK
RECOVERY MEMBRANE	SINGLE-PLY ROOF MEMBRANE
SUBSTRATE	STRUCTURAL WOOD DECK
ORIGINAL MEMBRANE	ADHERED ASPHALTIC MEMBRANE
DECK	STRUCTURAL WOOD DECK
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF EDGE

EXISTING METAL PANEL ROOF - N.I.C.

EXISTING METAL CANOPY BELOW. N.I.C.



A
A2.0
SCALE: 3/8"=1'-0"

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLY IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVER 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/OUTLINED IN THE DRAWINGS. SEE SHEETS A-5.1, A-5.2 AND A-5.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7.1 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE-PLY ROOF MEMBRANE, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRACKS, METAL FLASHINGS, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING 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, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS, TAG AND STORE. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 104 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED MOA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 1/2" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZES AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN. MIN. 1/2" PER FOOT. NO PONDS WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MAT, PROTECTION BOARD AS NOTED AND COMPOSITE WOOD DECKING WITH REBbed SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING ACCORDING TO INSTALLATION. INSTALL WOOD RAMP AT ADA ENTRANCE/EXIT AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND DRAINS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SCHEDULE 40 CHANNEL AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.

1.9 ROOF FLASHING: AT BASE FLASHINGS, INCLUDING WALL FLASHINGS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 4"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND ONTO THE VERTICAL SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND OUT AND VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 075216.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS. INSTALL DRAINS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATIONS. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 221400.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPR ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1"x4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:

3.1 WOOD COLUMN FLASHING: INSTALL LABRATOR WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN. 8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. WITH APPROVED PRIMER, INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENING LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS 8" WITH TWO BEADS OF CONCEALED SEALANT WITH JOINT. SECURE COUNTER FLASHINGS WITH 1/2" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:

4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:

5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:

6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOO TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BLOCO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:

7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:

8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASE PLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.

9.0 EXTERIOR DOOR:

9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPING AROUND PERIMETER OF EXTERIOR DOORS.

10.0 TABLE INSTALLATION:

10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE, INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:

11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE, REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.

CONSTRUCTION DOCUMENTS

CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

EXISTING ROOF PLAN

LEGEND:

SYMBOL	DESCRIPTION	SCOPE OF WORK ITEM	DETAILS
—	ROOF EDGE		(A3.3, B A3.3)
— — —	ROOF PERIMETER RAILINGS	2.3	(A3.3, A3.3)
- - - -	RIDGE LINE		
⊕	ROOF DRAIN	2.0	(C A3.3, D A3.3, E A3.3)
⊕ _{OF}	OVERFLOW ROOF DRAIN	2.0	(F A3.3)
⊙	POWER VENT	1.9	(D A3.4)
○	PIPE PENETRATION	1.9	(A A3.4)
⊕	FLOOR SINK	2.0	(D A3.3)
⊙	EXISTING HVAC EQUIPMENT	1.9	(C A3.4)
H	TRASH CHUTE HATCH	6.1	
▨	ROOF TYPE 1: MODIFIED BITUMEN WITH WALKPADS	1.6	
▨	ROOF TYPE 2: MODIFIED BITUMEN WITH WOOD PLANK OVERBURDEN	1.7	
▨	ROOF TYPE 3: MODIFIED BITUMEN WITH TILE OVERBURDEN	1.8	
XX	ROOF AREA DESIGNATION		
N.I.C.	NOT IN CONTRACT		
⊕	DETAIL DESIGNATION		
⊕	DETAIL DESIGNATION		
⊕	EXISTING WOOD COLUMNS	3.1	(E A3.3, F A3.3)

NOTE:
1. EXISTING SLOPE LINES NOT SHOWN FOR CLARITY. SEE A1

PROPOSED ROOFING ASSEMBLY - TYPE 1

ROOF COMPONENTS	
OVERBURDEN	WALK PADS AS NECESSARY
CAP SHEET	GRANULATED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
INSULATION	EXISTING PAPER FACED BATT INSULATION BETWEEN JOISTS
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAINS AND ROOF EDGE

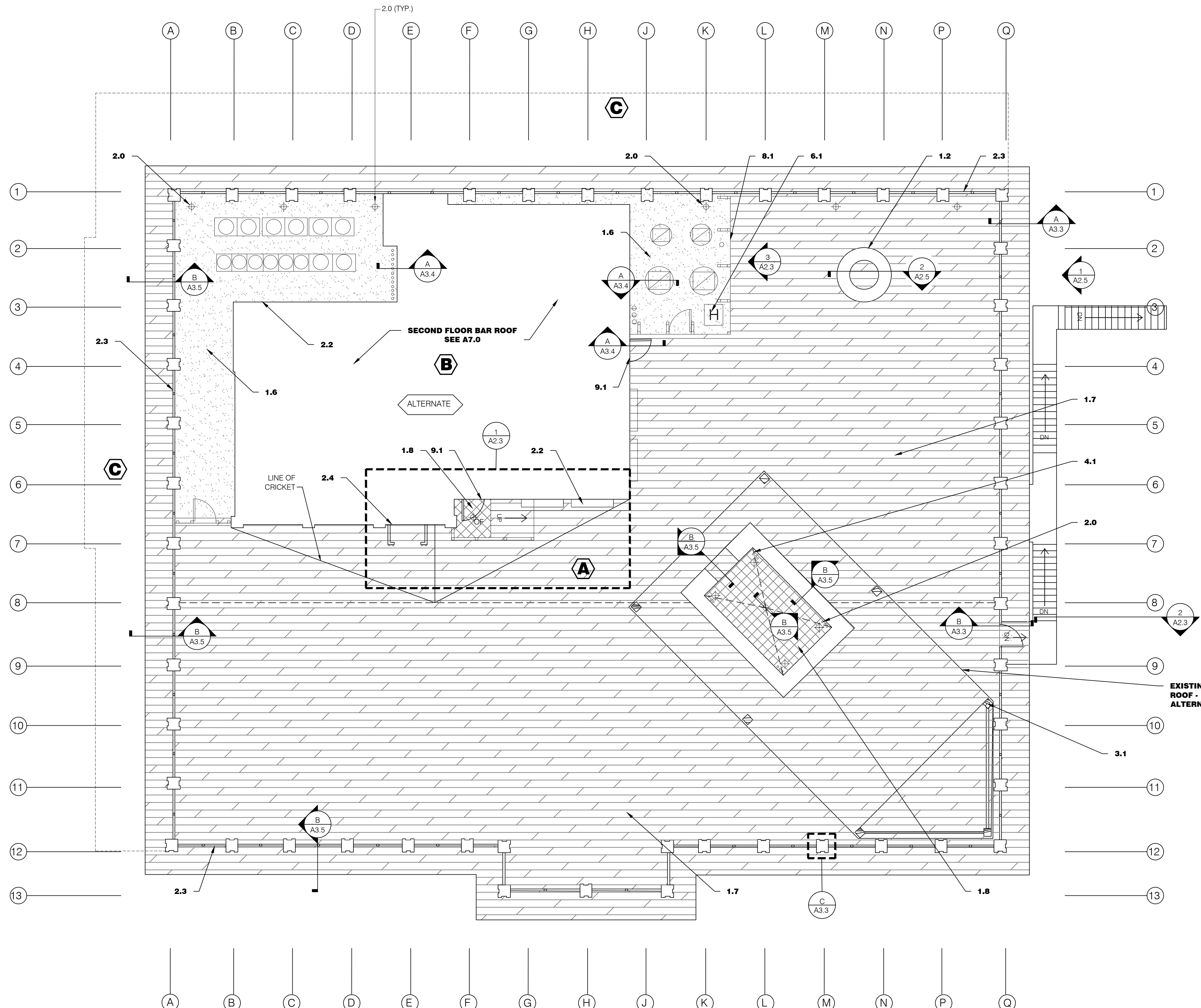
PROPOSED ROOFING ASSEMBLY - TYPE 2

ROOF COMPONENTS	
OVERBURDEN	DRAINAGE MATT AND WOOD DECKING
CAP SHEET	SANDED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
INSULATION	EXISTING PAPER FACED BATT INSULATION BETWEEN JOISTS
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAINS AND ROOF EDGE

PROPOSED ROOFING ASSEMBLY - TYPE 3

ROOF COMPONENTS	
OVERBURDEN	TILE, TILE MORTAR, AND EPOXY GROUT
CAP SHEET	SANDED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
INSULATION	EXISTING PAPER FACED BATT INSULATION BETWEEN JOISTS
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAIN

EXISTING METAL PANEL ROOF - N.I.C.



PROPOSED ROOF PLAN
SCALE: 3/16"=1'-0"

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLY IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVER 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/OUTLINED IN THE DRAWINGS. SEE SHEETS A3.1, A3.2 AND A3.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE PLY ROOF MEMBRANE, FLOWWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRICKETS, METAL FLASHINGS, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING COMPONENTS AND REINSTALL THEM 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 COMPONENTS INCLUDE ELECTRICAL JUNCTION BOXES, BUTLERS CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. TAG AND STORE. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED MOA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVER PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 1/2" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZED AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN. MIN. 1/2" PER FOOT. NO PONDS WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. MANUFACTURER'S RECOMMENDATIONS. INSTALL SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. MANUFACTURER'S RECOMMENDATIONS. INSTALL SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MATT, PROTECTION BOARD (AS NOTED) AND COMPOSITE WOOD DECKING WITH REBbed SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ACCOMMODATE ROOF INSTALLATION. INSTALL WOOD RAMP AT ADA ENTRANCE AND AT ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. MANUFACTURER'S RECOMMENDATIONS. INSTALL SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION SEALANT JOINT AT ALL FLASHINGS AND DRAINS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SCHEDULE 40 EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.

1.9 ROOF FLASHING: AT BASE FLASHINGS, INCLUDING WALL FLASHINGS AND ROOF FLASHINGS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 4"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND HORIZONTAL SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND OUT VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 075216.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATIONS. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 22142.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1"x4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:

3.1 WOOD COLUMN FLASHING: INSTALL ABRATION WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN. 1/8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. WITH APPROVED PRIMER. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENING LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS 1/2" WITH TWO BEADS OF CONCEALED SEALANT WITH JOINT. SECURE COUNTER FLASHINGS WITH 1/4" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:

4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:

5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:

6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOO TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BLOCO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:

7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:

8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASE PLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.

9.0 EXTERIOR DOOR:

9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPINGS AROUND PERIMETER OF EXTERIOR DOORS.

10.0 TABLE INSTALLATION:

10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE. INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:

11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE. REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.

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REVISIONS		
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DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: CD DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

PROPOSED ROOF PLAN

A2.1

WIND PRESSURES:

WIND DESIGN FOR ROOFING COMPONENTS AND CLADDING:
 ASCE 7-10, Vult=150 mph wind, Vasd=116 mph wind, category III,
 Exposure "D", Kd = 0.85, h = 40 ft., ENCLOSED BUILDING: GCpi = ± 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 - 30'-0"	
ZONE 1 - FIELD ZONE ①	-45 PSF
ZONE 2 - EDGE ZONE ②	-71.1 PSF
ZONE 3 - CORNER ZONE ③	-107.0 PSF

DEPTH OF PERIMETER AND CORNER ZONES FROM ROOF EDGE -
 'g' DIMENSION IS 10 FEET U.N.O.

LEGEND:	
—	ROOF EDGE
Ⓐ	ROOF AREA DESIGNATION
①	ZONE NUMBER
—	LINE OF WIND ZONE
Ⓝ	NOT IN CONTRACT

ROOF DRAINAGE LEGEND:

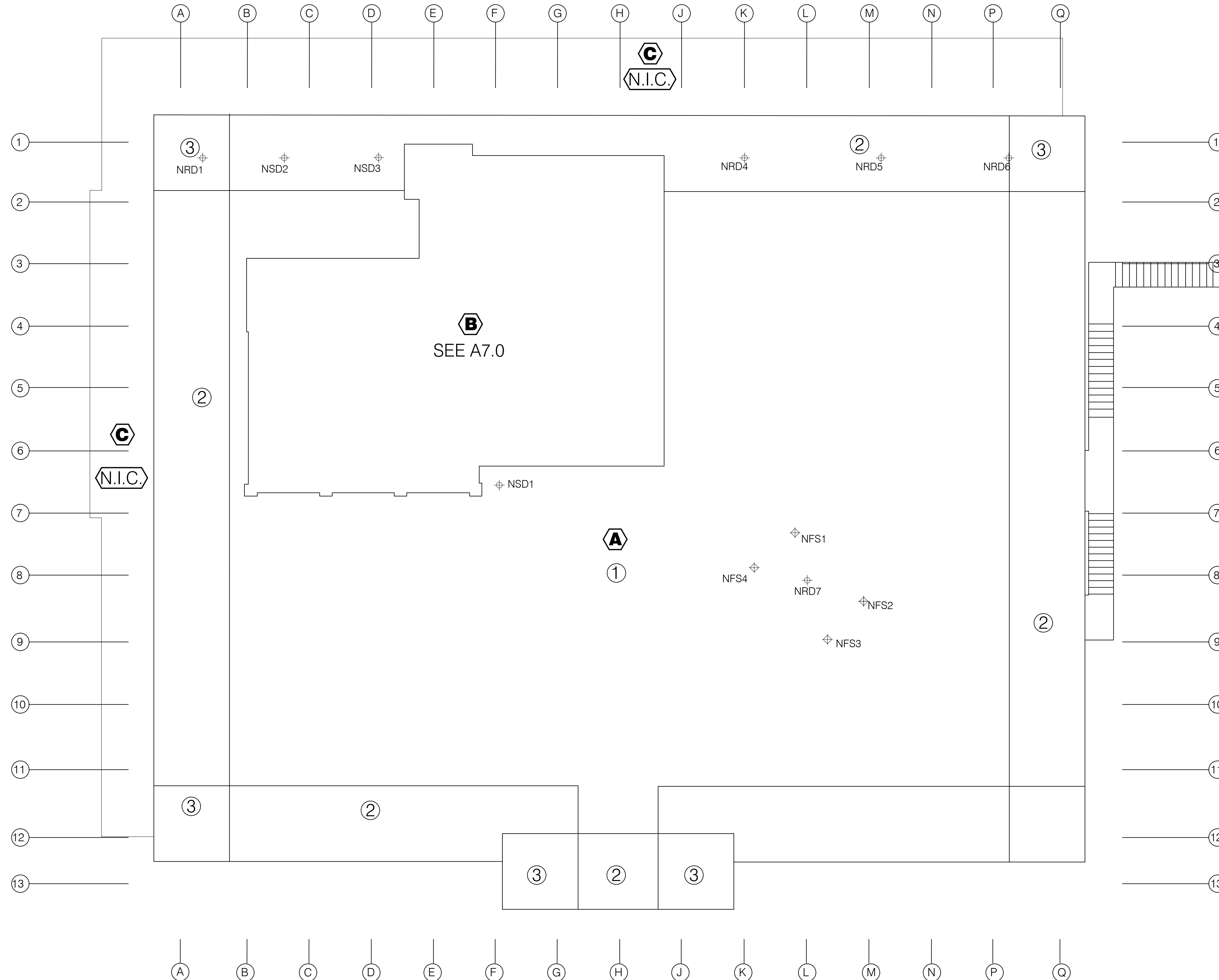
SYMBOL	DESCRIPTION
NRD#0	NEW PRIMARY ROOF DRAIN
NSD#0	NEW SECONDARY ROOF DRAIN
NFS#0	NEW FLOOR SINK

DRAINAGE CALCULATIONS:

ROOF DESIGNATION	PROPOSED PRIMARY ROOF DRAIN / SCUPPER DESIGNATION	PROPOSED OVERFLOW DRAIN / SCUPPER DESIGNATION	ROOF AREA (SF)	ADDITIONAL ROOF AREA (SF)	WALL AREA (SF)	TOTAL AREA (SF)	FLOW RATE CONSTANT	FLOW RATE OF ROOF AREA (GPM)	PROPOSED PRIMARY DRAIN/SCUPPER			PROPOSED OVERFLOW DRAIN/SCUPPER			PRIMARY INVERT ELEVATION (INCHES)	VERTICAL OFFSET BETWEEN PRIMARY AND OVERFLOW (INCHES)	OVERFLOW ELEVATION (INCHES)
									SIZE (WIDTH/DIA.) INCHES	HH (INCHES)	FLOW RATE CAPACITY (GPM)	SIZE (WIDTH/DIA.) INCHES	HH (INCHES)	FLOW RATE CAPACITY (GPM)			
A	NRD1	N/A	1023	0	720	1383	0.0104	58	3"	1.5"	115	N/A	N/A	N/A	N/A	N/A	N/A
A	NRD2	N/A	245	0	144	317	0.0104	13	3"	1.5"	115	N/A	N/A	N/A	N/A	N/A	N/A
A	NRD3	N/A	341	0	756	719	0.0104	30	3"	1.5"	115	N/A	N/A	N/A	N/A	N/A	N/A
A	NRD4	N/A	1574	0	876	2012	0.0104	84	3"	1.5"	115	N/A	N/A	N/A	N/A	N/A	N/A
A	NRD5	N/A	1090	0	0	1090	0.0104	45	3"	1.5"	115	N/A	N/A	N/A	N/A	N/A	N/A
A	NRD6	N/A	1085	0	0	1085	0.0104	45	3"	1.5"	115	N/A	N/A	N/A	N/A	N/A	N/A
A	NRD7	NFS1, NFS2, NFS3 & NFS4	285	0	0	285	0.0104	12	3"	1.5"	13	3"	1.5"	52	0"	1"	1"

NOTES:

- PERIMETER EDGE AT THE NORTH SIDE OF THE ROOF IS NO GREATER THAN 4" TALL AND ACTS AS SECONDARY DRAINAGE.
- SOUTH SIDE OF ROOF HAS NO CURB OR OBSTRUCTION ALLOWING WATER TO DRAIN FREELY OFF EDGE. NO CALCULATIONS REQUIRED.



A
A2.2 WIND UPLIFT PRESSURE PLAN
SCALE: 3/16"=1'-0"

CONSTRUCTION DOCUMENTS
 CITY OF DAYTONA BEACH
 JOE'S CRAB SHACK
 DAYTONA BEACH, FLORIDA
 EXTERIOR DECK AND ROOFING
 REPLACEMENT PROJECT
 PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
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 (407) 333-1977 • FAX: (407) 333-6686 • E-MAIL: JAY@JAYAMMON.COM

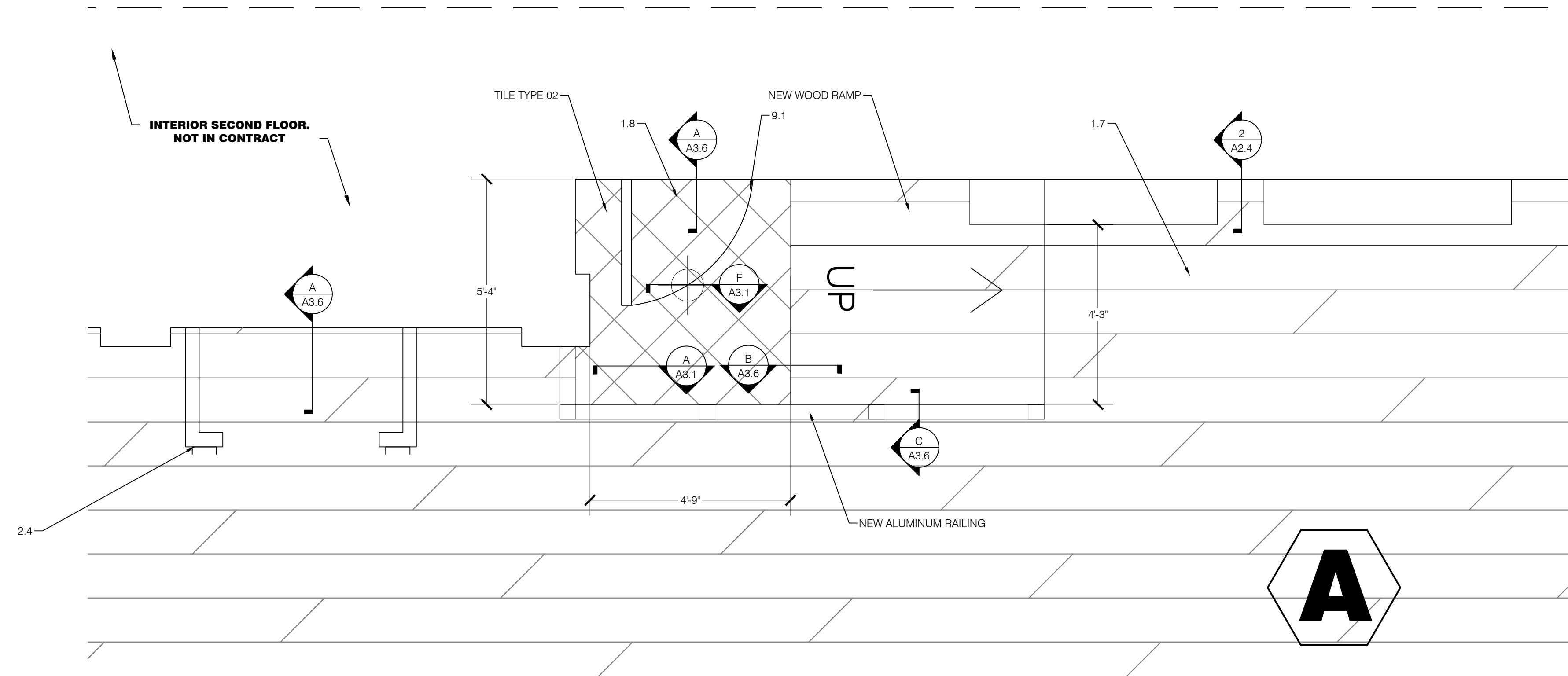
REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: NHR PROJECT NUMBER: 19-020
 APPROVED BY: JDA PHASE: BID DOCUMENTS
 ENGINEER: DATE: SEPTEMBER 25, 2019

WIND UPLIFT PRESSURE
 ROOF PLAN
A2.2
 PLOT: 1"=20' SHEET

LEGEND:

SYMBOL	DESCRIPTION	SCOPE OF WORK ITEM	DETAILS
—	ROOF EDGE		(A/A3.3, B/A3.3)
— — —	ROOF PERIMETER RAILINGS	2.3	(C/A3.3, D/A3.3)
---	RIDGE LINE		
⊕	ROOF DRAIN	2.0	(C/A3.3, D/A3.3, E/A3.3)
⊕ _{OF}	OVERFLOW ROOF DRAIN	2.0	(F/A3.3)
⊙	POWER VENT	1.9	(D/A3.4)
○	PIPE PENETRATION	1.9	(A/A3.4)
⊕	FLOOR SINK	2.0	(D/A3.1)
⊙	EXISTING HVAC EQUIPMENT	1.9	(C/A3.4)
H	TRASH CHUTE HATCH	6.1	
⊙	ROOF TYPE 1: MODIFIED BITUMEN WITH WALKPADS	1.6	
⊙	ROOF TYPE 2: MODIFIED BITUMEN WITH WOOD PLANK OVERBURDEN	1.7	
⊙	ROOF TYPE 3: MODIFIED BITUMEN WITH TILE OVERBURDEN	1.8	
XX	ROOF AREA DESIGNATION		
N.I.C.	NOT IN CONTRACT		
⊕	DETAIL DESIGNATION		
⊕	DETAIL DESIGNATION		
⊙	EXISTING WOOD COLUMNS	3.1	(E/A3.3, F/A3.3)



NOTE:
1. EXISTING SLOPE LINES NOT SHOWN FOR CLARITY. SEE A1

PROPOSED ROOFING ASSEMBLY - TYPE 1

ROOF COMPONENTS	
OVERBURDEN	WALK PADS AS NECESSARY
CAP SHEET	GRANULATED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAINS AND ROOF EDGE

PROPOSED ROOFING ASSEMBLY - TYPE 2

ROOF COMPONENTS	
OVERBURDEN	DRAINAGE MATT AND WOOD DECKING
CAP SHEET	GRANULATED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAINS AND ROOF EDGE

PROPOSED ROOFING ASSEMBLY - TYPE 3

ROOF COMPONENTS	
OVERBURDEN	TILE
CAP SHEET	GRANULATED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
INSULATION	PAPER FACED BATT INSULATION BETWEEN JOISTS
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF DRAIN

EXISTING METAL PANEL ROOF - N.I.C.

A
A2.3
PARTIAL PLAN AT SOUTH ROOF ACCESS DOOR
SCALE: 1/2"=1'-0"

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVER 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 A3.1, A3.2 AND A3.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7.1 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE PLY ROOF MEMBRANE, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRACKS, METAL FLASHINGS, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING 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, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS, TAG AND STORE, REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 104 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED WIND LOAD FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 1/2" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZED AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING THE STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN, MIN. 1/4" PER FOOT. NO PONDS WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. INSTALL ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. INSTALL ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MATT, PROTECTION BOARD (AS NOTED) AND COMPOSITE WOOD DECKING WITH RIBBED SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ACCOMMODATE ROOF INSTALLATION. INSTALL WOOD RAMP AT ADA ENTRANCE AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND DRAINS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SHOULDER EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.

1.9 ROOF FLASHING: AT BASE FLASHINGS, INCLUDING WALL AND WOOD RAILING POSTS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 2"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND ONTO THE VERTICAL SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND OUTSIDE VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 075216.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS. INSTALL DRAINS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATION. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 221424.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESEAL ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1"x4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:
3.1 WOOD COLUMN FLASHING: INSTALL LABRATOR WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN 8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. WITH APPROVED PRIMER. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENER LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS 4" WITH TWO BEADS OF CONCEALED SEALANT WITHIN JOINT. SECURE COUNTER FLASHINGS WITH 1/4" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:
4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:
5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE VEE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:
6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILCO TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BILCO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:
7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:
8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASE PLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.

9.0 EXTERIOR DOOR:
9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPINGS AROUND PERIMETER OF EXTERIOR DOORS.
10.0 TABLE INSTALLATION:
10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE, INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:
11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE, REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.

CONSTRUCTION DOCUMENTS

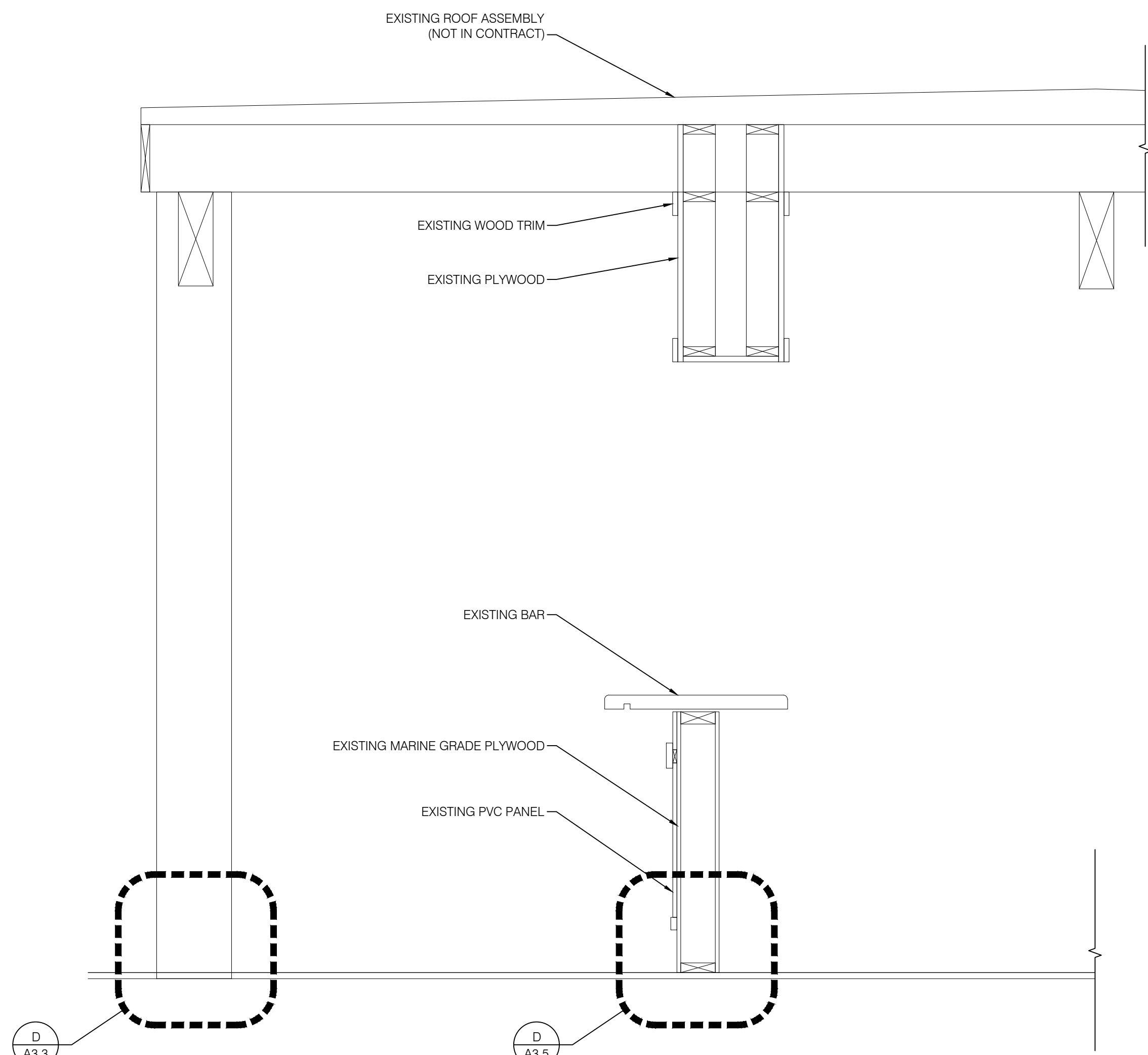
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

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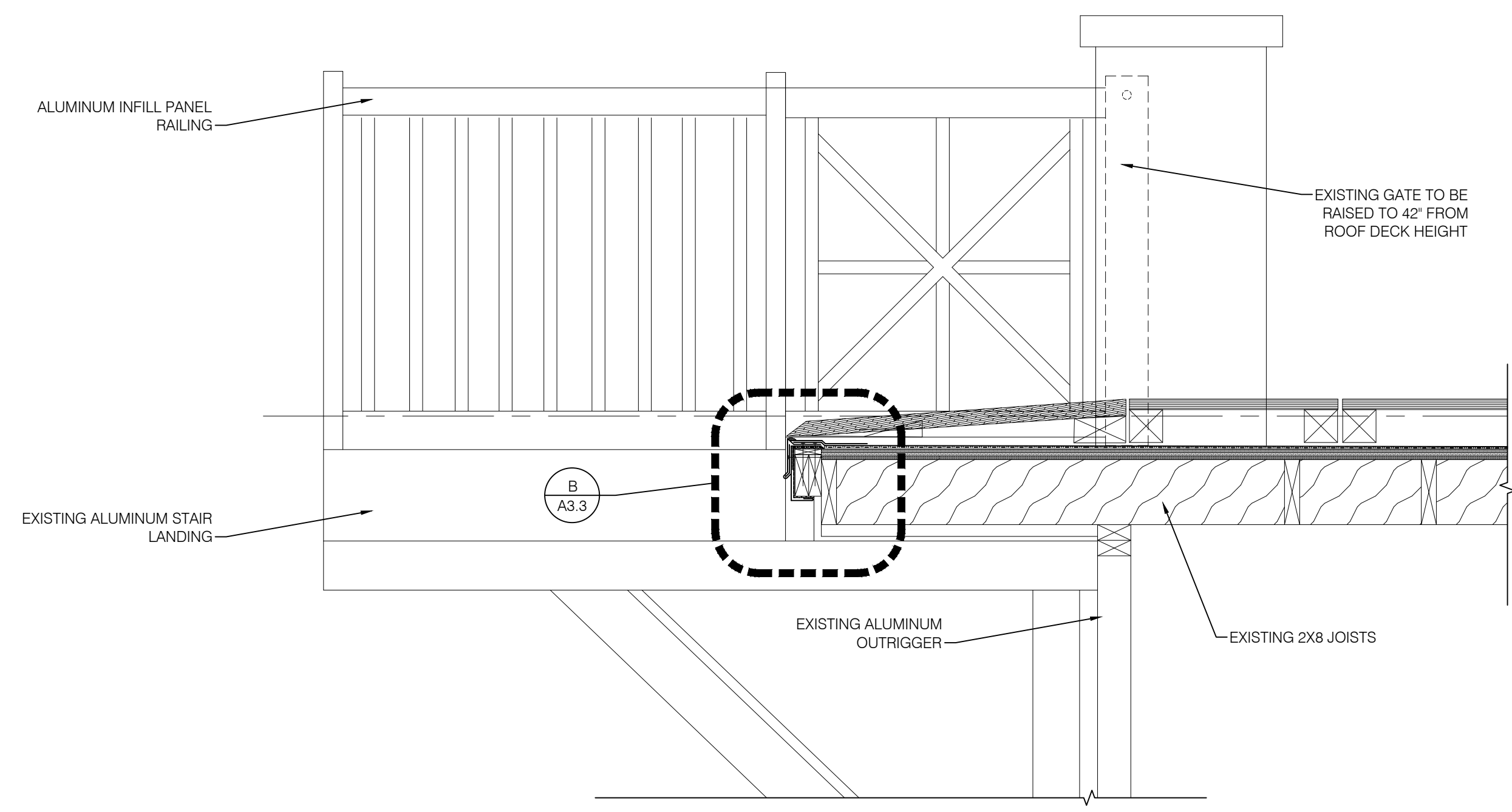
REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

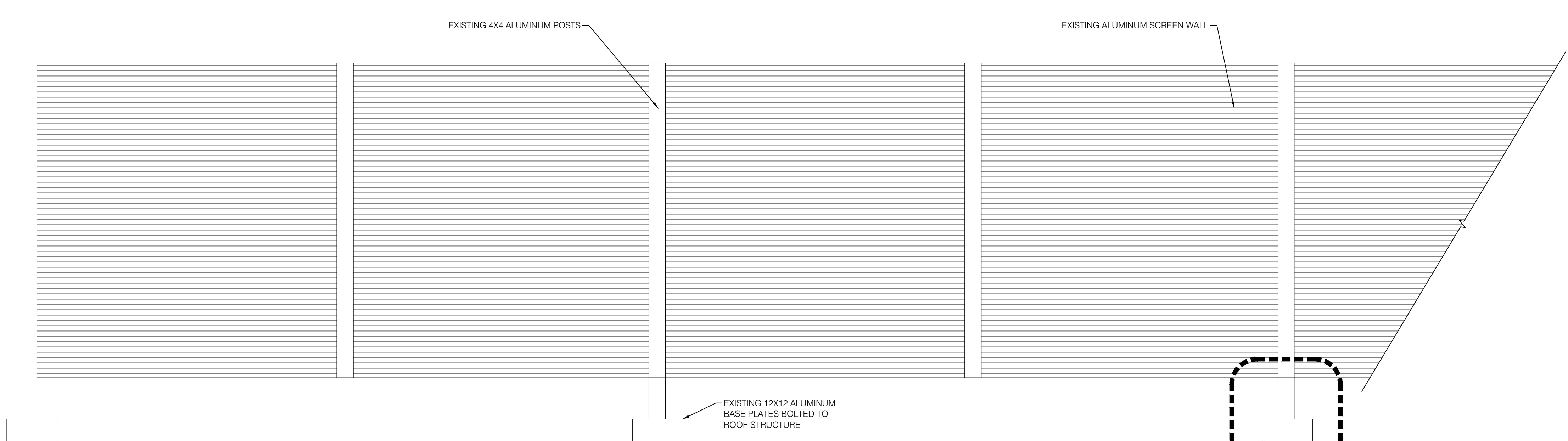
**PARTIAL PROPOSED
ROOF PLAN
A2.3**



1
SECTION AT EXTERIOR BAR STAND
SCALE: 3/4"=1'-0"



2
SECTION AT EXTERIOR STAIR & LANDING
SCALE: 3/4"=1'-0"



3
ROOF SCREEN WALL ELEVATION
SCALE: 3/4"=1'-0"

- SCOPE OF WORK:**
- 0.0 GENERAL:** THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVER 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 A3.1, A3.2 AND A3.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7 FOR ADDITIONAL SCOPE OF WORK.
- 1.0 ROOFING REPLACEMENT:**
- 1.1 ROOFING REMOVAL:** REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE PLY ROOF MEMBRANE, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRACKS, METAL FLASHINGS, RELATED FASTENERS, AND CANTS.
- 1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION:** TEMPORARILY REMOVE THE FOLLOWING 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, BUTTES, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS, TAG AND STORE, REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.
- 1.3 NOT USED**
- 1.4 ENGINEERING:** CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 104 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED MOA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT SYSTEM.
- 1.5 SUBSTRATE PREPARATION AND INSTALLATION:** REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 5/8" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZED AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN, MIN. 1/4" PER FOOT. NO PONDS WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.
- 1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS:** PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. INSTALL ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.
- 1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN:** PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER. INSTALL ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MAT, PROTECTION BOARD AS NOTED AND COMPOSITE WOOD DECKING WITH RIBBED SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ACCOMMODATE INSTALL WOOD RAMP AT ADA ENTRANCE/EXIT AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.
- 1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN:** INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MEMBRANE MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND DRAINS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SHOULDER EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.
- 1.9 ROOF FLASHING:** AT BASE FLASHINGS INCLUDING WALL AND WOOD RAILING POSTS, REMOVE DAMAGED AND DETERIORATED WOOD BLOCKING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 4X4 STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND INTO THE VERTICAL. SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND OUTSIDE VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 075216.
- 2.0 ROOF DRAINAGE COMPONENTS:** REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS. INSTALL DRAINS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATIONS. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 221420.
- 2.1 METAL EDGE FLASHING INSTALLATION:** INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.
- 2.2 WALL PANELS:** REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1X4 FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.
- 2.3 RAILINGS:** REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.
- 2.4 SERVER STATION:** REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.
- 3.0 WOOD COLUMN:**
- 3.1 WOOD COLUMN FLASHING:** INSTALL LABATRON WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REPAIR/REINFORCE LIQUID APPLIED FLASHING ONTO WOOD MIN. 8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. WITH APPROVED PRIMER. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENER LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS 6" WITH TWO BEADS OF CONCEALED SEALANT WITHIN JOINT. SECURE COUNTER FLASHINGS WITH 4" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.
- 4.0 BAR PIPE PENETRATIONS:**
- 4.1 PIPE PENETRATION RELOCATION:** PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.
- 5.0 LIGHTNING PROTECTION COMPONENTS:**
- 5.1 LIGHTNING PROTECTION REINSTALLATION:** TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.
- 6.0 TRASH CHUTE HATCH:**
- 6.1 TRASH CHUTE HATCH REPLACEMENT:** REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOO TYPE 5 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BILOO AT ROOF HATCH.
- 7.0 BOLLARD LIGHTS:**
- 7.1 BOLLARD LIGHT INSTALLATION:** REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.
- 8.0 SCREEN WALL:**
- 8.1 REMOVE AND REINSTALL SCREEN WALL:** REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASE PLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.
- 9.0 EXTERIOR DOOR:**
- 9.1 WEATHER STRIPPING:** REMOVE AND REPLACE WEATHER STRIPPING AROUND PERIMETER OF EXTERIOR DOORS.
- 10.0 TABLE INSTALLATION:**
- 10.1 TABLE FASTENING:** FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE, INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.
- 11.0 EXISTING DECK PATCHING:**
- 11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING:** FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE, REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.

CONSTRUCTION DOCUMENTS

CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
(407) 333-1977 • FAX: (407) 333-4886 • E MAIL: JAY@JAYAMMON.COM

REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

WALL SECTIONS AND ELEVATIONS
A2.4
PLOT: 3/4" = 1'-0" SHEET

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVER 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 A-3.1, A-3.2 AND A-3.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE PLY ROOF MEMBRANE, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRICKETS, METAL FLASHINGS, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING 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, BUTLETS, CONDUITS, ANTENNAS, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS, TAG AND STORE. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 104 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED WEA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 5/8" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZED AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN. MIN. 1/2" PER FOOT. NO PONDS WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER'S RECOMMENDATIONS. ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER'S RECOMMENDATIONS. ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MAT, PROTECTION BOARD AS NOTED AND COMPOSITE WOOD DECKING WITH RIBBED SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ACCOMMODATE ROOF INSTALLATION. INSTALL WOOD RAMP AT ADA ENTRANCE/EXIT AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND DRAINS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SCOLLER EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.

1.9 ROOF FLASHING: AT BASE FLASHINGS INCLUDING WALL AND WOOD RAILING POSTS. REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 4"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL FLASHING DETAILS. REINSTALL FIRE POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42" WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS. INSTALL DRAINS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATIONS. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 22420.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1"x4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FIRE PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FIRE POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42" WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:

3.1 WOOD COLUMN FLASHING: INSTALL ABATRON WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN. 1/8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. WITH APPROVED PRIMER. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENER LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS 4" WITH TWO BEADS OF CONCEALED SEALANT WITHIN JOINT. SECURE COUNTER FLASHINGS WITH 1/4" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:

4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:

5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:

6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOO TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BILOO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:

7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:

8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASE PLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.

9.0 EXTERIOR DOOR:

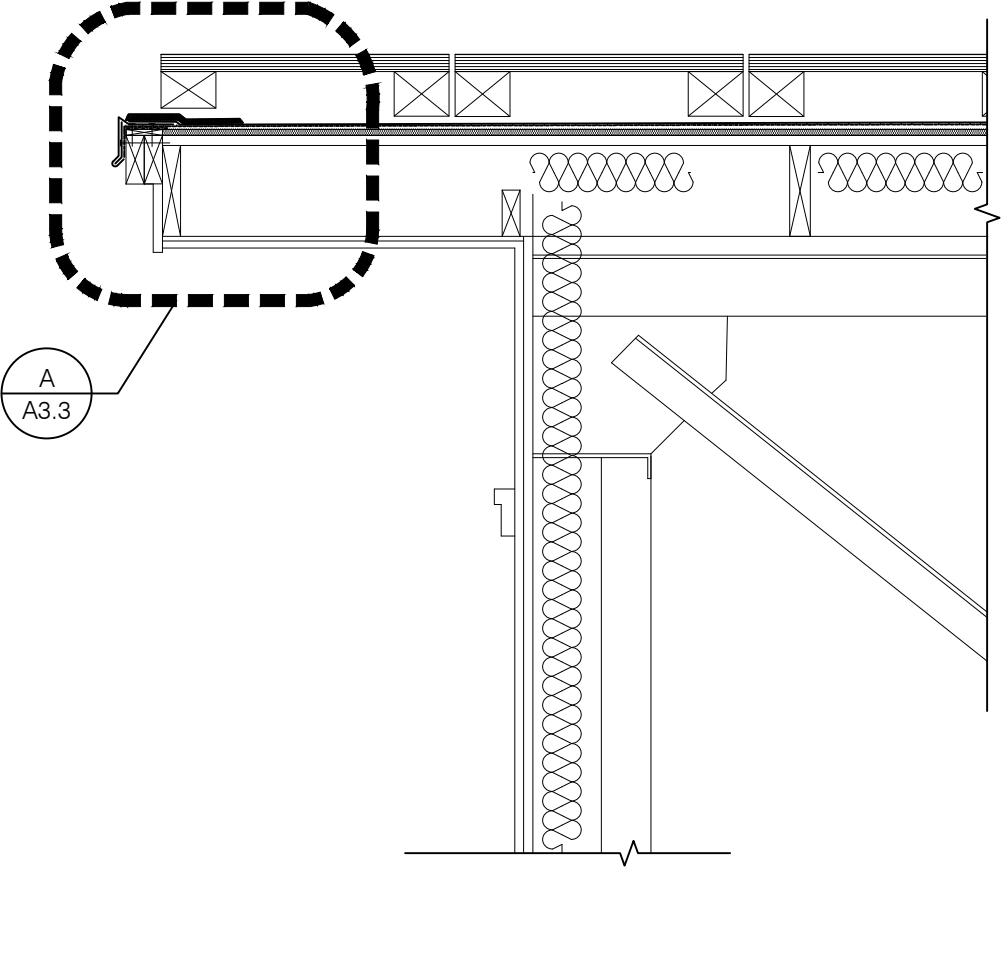
9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPING AROUND PERIMETER OF EXTERIOR DOORS.

10.0 TABLE INSTALLATION:

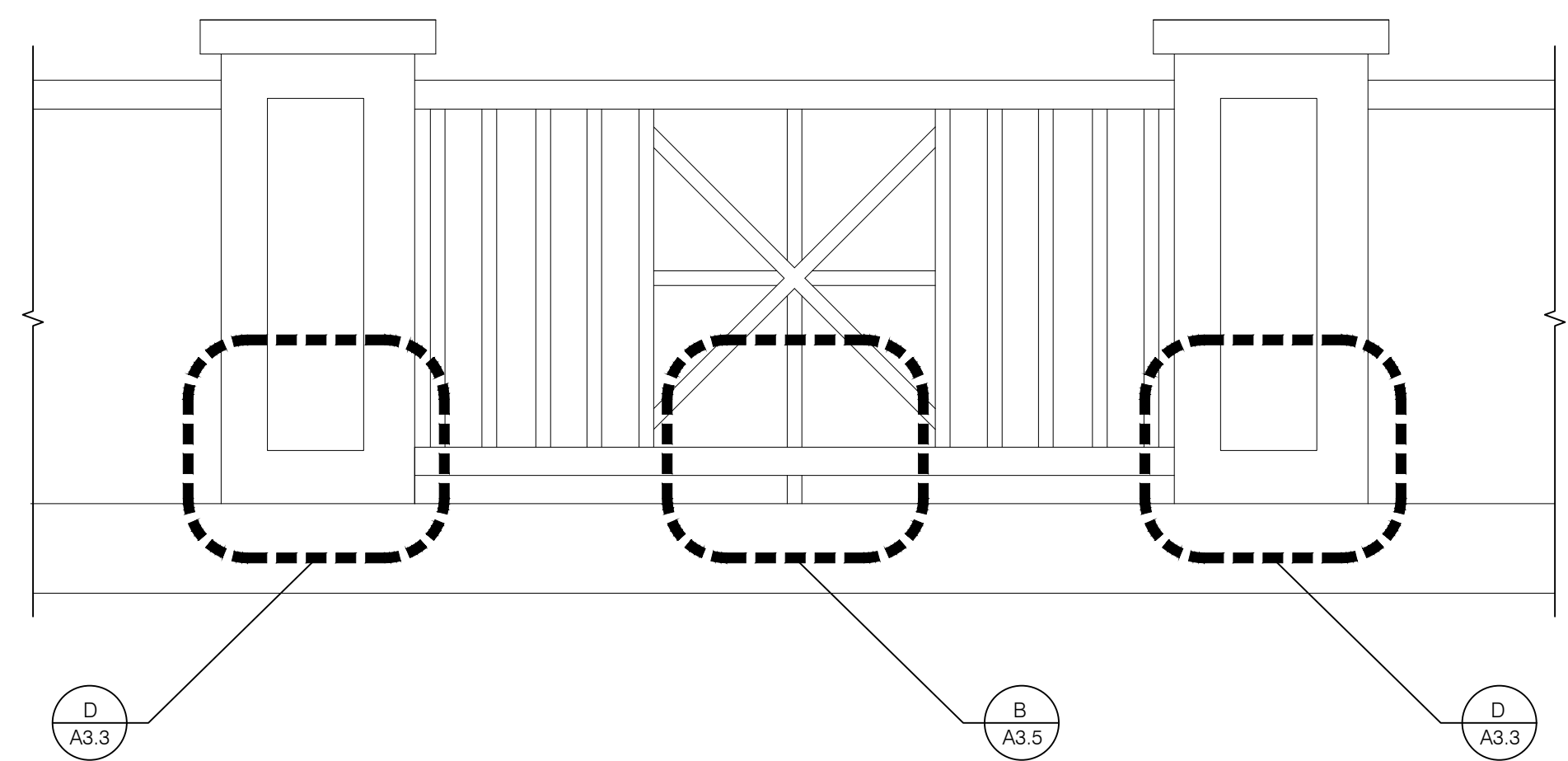
10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE. INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:

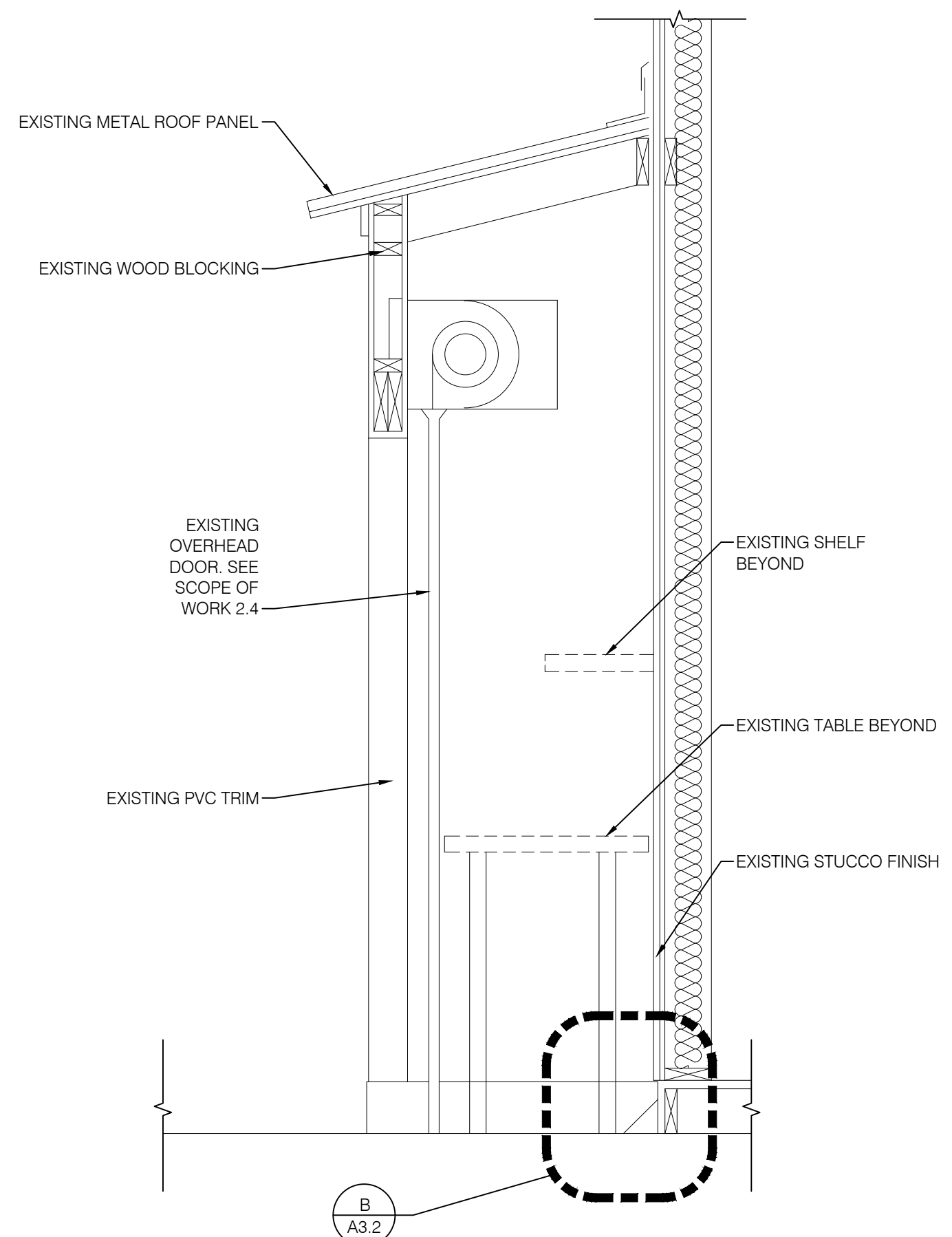
11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE. REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.



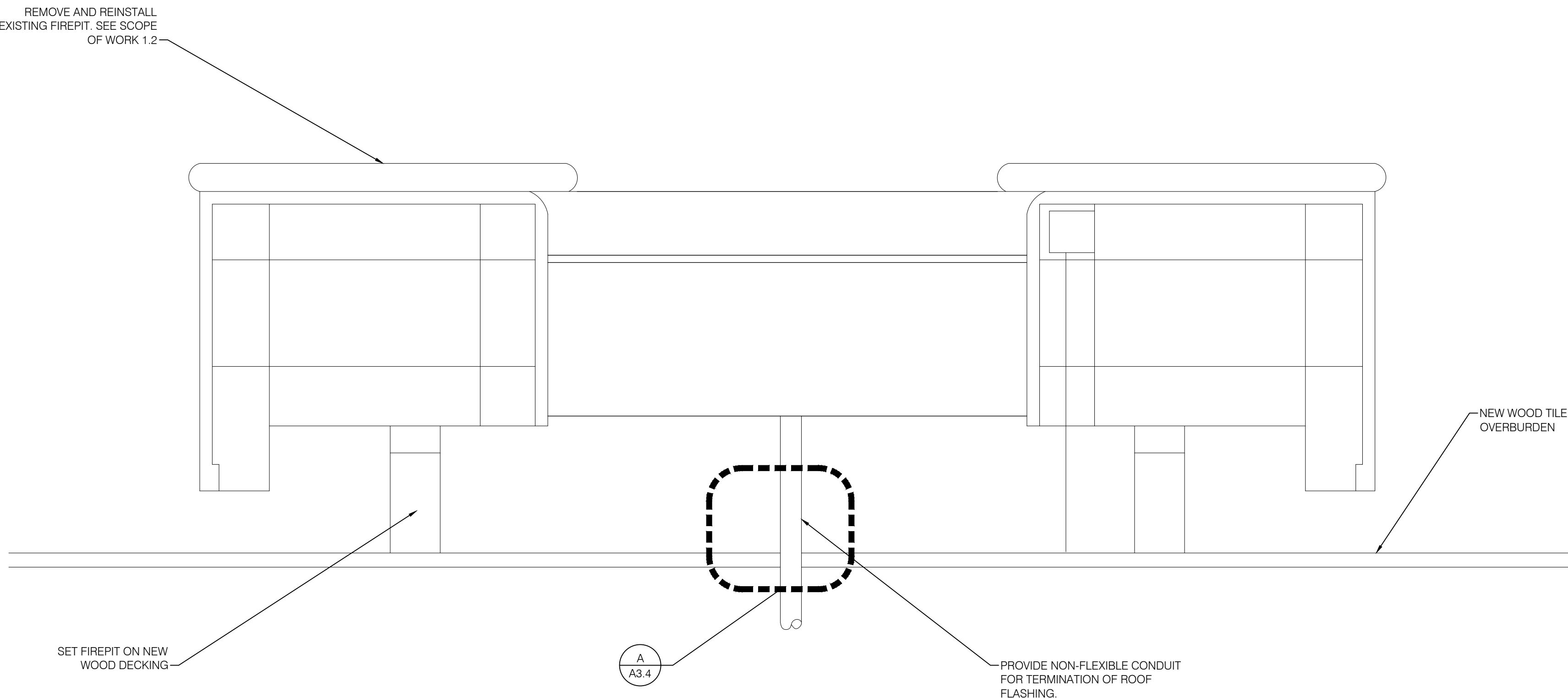
1 TYPICAL ROOF EDGE DETAIL
SCALE: 3/4"=1'-0"



2 ELEVATION AT ALUMINUM RAILING
SCALE: 3/4"=1'-0"



3 WALL SECTION AT SERVER STATION
SCALE: 3/4"=1'-0"



4 SECTION AT FIREPLACE PIT
SCALE: 3/4"=1'-0"

CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
(407) 333-1977 • FAX: (407) 333-4886 • E MAIL: JAY@JAYAMMON.COM

REVISIONS		DATE:
NUMBER	TYPE	

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BD DOCUMENTS
ENGINEER: _____ DATE: SEPTEMBER 25, 2019

WALL SECTIONS
A2.5
PLOT: 1 1/2"=1'-0" SHEET

MATERIAL COMPONENT SCHEDULE

ROUGH CARPENTRY SPECIFICATION SECTION 061000
FRT WOOD BLOCKING: FIRE RETARDANT LUMBER.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216

BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.

BASE FLASHING - OUTER PLY: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 135 MILS THICK.

CANT STRIP: FIBERBOARD CANT FULLY ADHERED TO SUBSTRATES IN COLD MODIFIED BITUMINOUS ADHESIVE.

COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECURROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.

DRAINAGE MAT: TWO PART PREFABRICATED SHEET AND PROTECTION BOARD CONSISTING OF A FORMED POLYPROPYLENE CORE COVERED ON ONE SIDE WITH A WOVEN POLYPROPYLENE FILTER FABRIC. BASIS OF DESIGN: "PARADRAIN" BY SIPLAST.

GROUT: BASIS OF DESIGN: "KERAPOXY GQ" BY MAPEI.

LIQUID-APPLIED REINFORCED MEMBRANE: THREE COAT LIQUID APPLIED REINFORCED FLASHING SYSTEM WITH FIBERGLASS FABRIC APPROVED BY ROOFING MEMBRANE MANUFACTURER.

MODIFIED BITUMEN BASE PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 1): SBS GRANULATED SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 138 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 2 & 3): SBS SANDED SURFACED MODIFIED BITUMEN, ASTM D 6162, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 154 MILS THICK.

PROTECTION BOARD: 3/4" ASPHALT IMPREGNATED PROTECTION BOARD. BASIS OF DESIGN: "W.R. MEADOWS PROTECTION BOARD".

RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, MIN. 25 PSI, FLAT INSULATION BOARDS. INSTALL TAPERED INSULATION OVER FLAT INSULATION WHERE DESIGNATED AND AS REQUIRED TO ACHIEVE A 1/4" PER FOOT POSITIVE SLOPE WITH NO PONDING AFTER 24 HOUR DRYING TIME. TAPERED INSULATION SHALL BE FABRICATED AT ZERO INCH THICKNESS AT THIN EDGE.

ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, ASTM D 6163, TYPE 2, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. TORCH APPLIED OVER PRIMED CAP SHEET, MIN. 200 MILS THICK.

SELF-ADHERED UNDERLAYMENT: GCP APPLIED TECHNOLOGIES GRACE ULTRA OR PRE-APPROVED EQUAL, HIGH TEMPERATURE, MIN. 280 DEGREES F., .030" THICK, SELF-ADHERED BUTYL BASED MEMBRANE ASTM D1204, ADHERED OVER PRIMED SUBSTRATE BELOW.

TILE TYPE 01: MIN. 6"x6" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL.

TILE TYPE 02: 12"x48" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL. BASIS OF DESIGN: HANOVER PORCELAIN PAVERS - WOOD COLLECTION BY HANOVER ARCHITECTURAL PRODUCTS.

FLASHING AND SHEET METAL SPECIFICATION SECTION 075200

METAL CLEAT: .060 ALUMINUM.

METAL COUNTERFLASHING: .060 ALUMINUM.

METAL EDGE: .060 ALUMINUM.

METAL SKIRT FLASHING: .060 ALUMINUM.

METAL TRIM FLASHING: .060 ALUMINUM.

ONE-PIECE TRANSITION FLASHING: .060 ALUMINUM.

TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL.

SHEET METAL FASTENERS: ALL SHEET METAL FLASHINGS TO BE .040 ALUMINUM.

ROOF ACCESSORIES: SPECIFICATION SECTION 077200

ROOF HATCH: BASIS OF DESIGN: BILCO TYPE "S-507B" ENHANCED PERFORMANCE ALUMINUM ROOF HATCH WITH INSULATION CURB LINER.

WOOD TILE: BASIS OF DESIGN: BISON WOOD TILE.

PEDISTALS: BASIS OF DESIGN: BUZON PEDISTAL ASSEMBLY. COMPLY WITH REQUIRED WIND UPLIFT.

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.

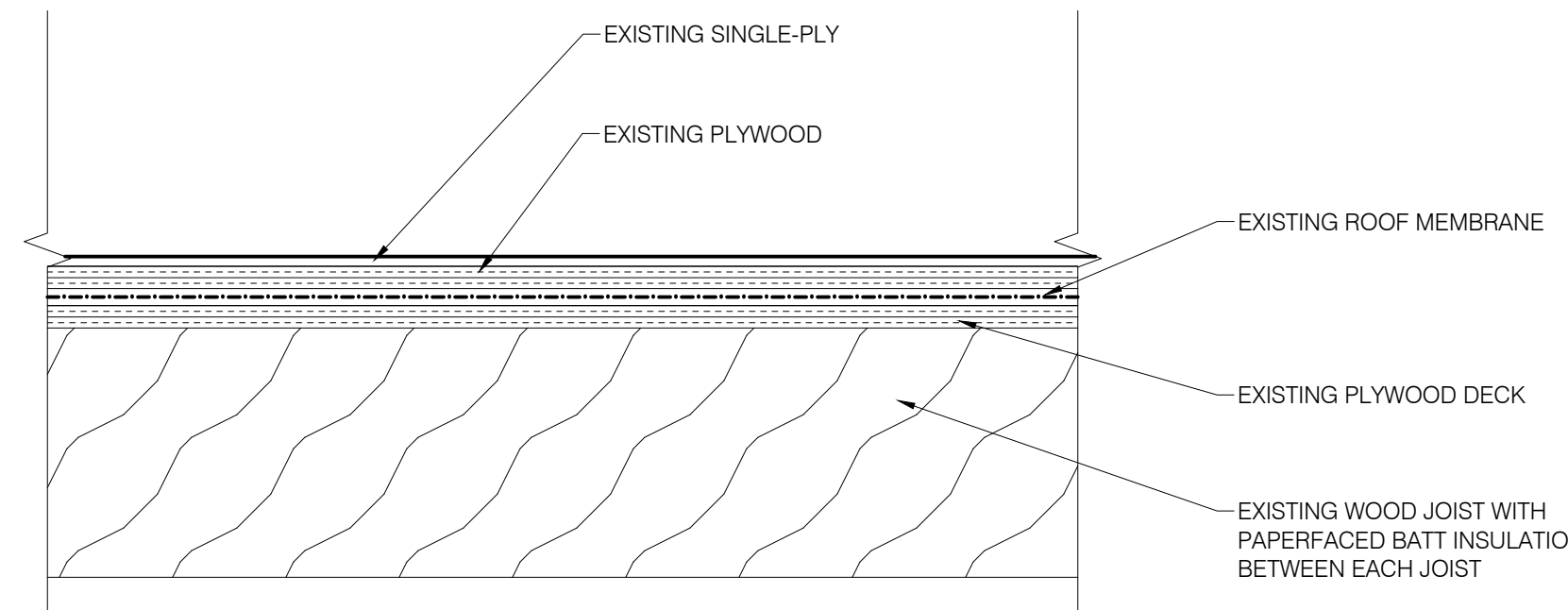
SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.

STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, 1/4" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS OR PRE-APPROVED EQUAL.

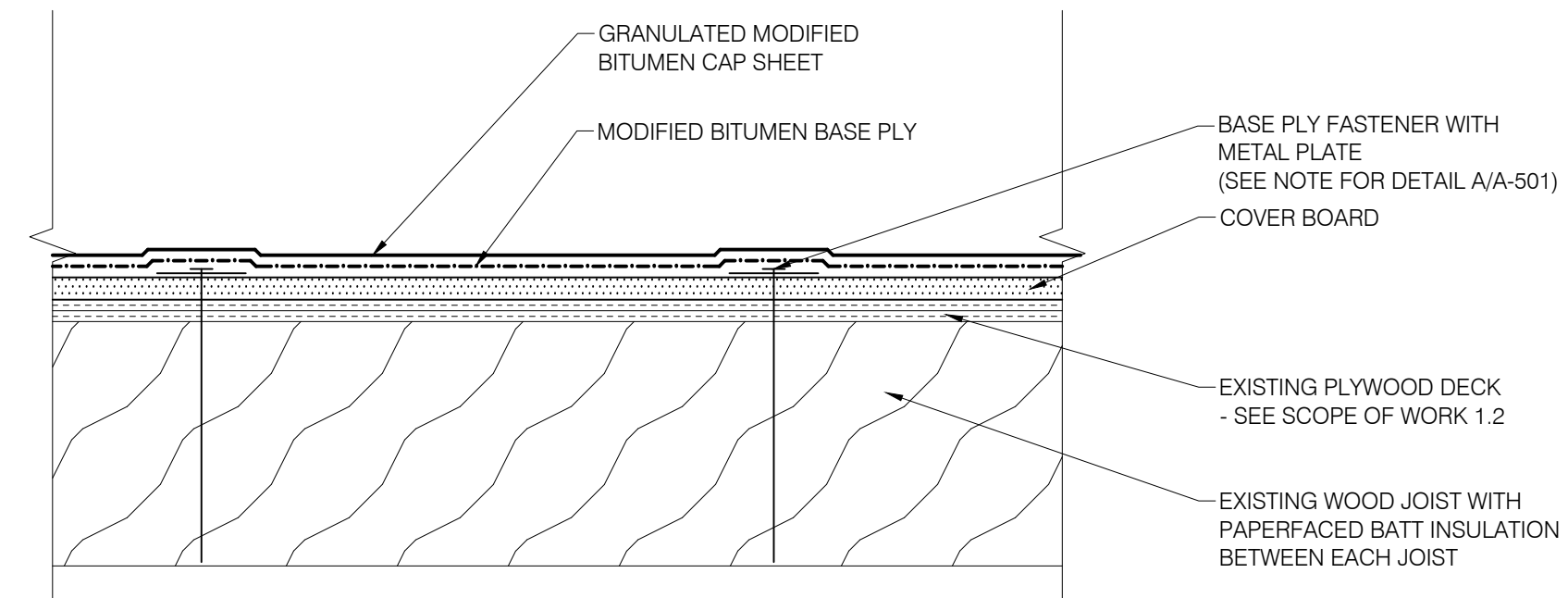
URETHANE SEALANT: SINGLE-COMPONENT, NONSAG, POLYURETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

TRAFFIC RATED SEALANT: SINGLE-COMPONENT, NONSAG, TRAFFIC-GRADE URETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 25.

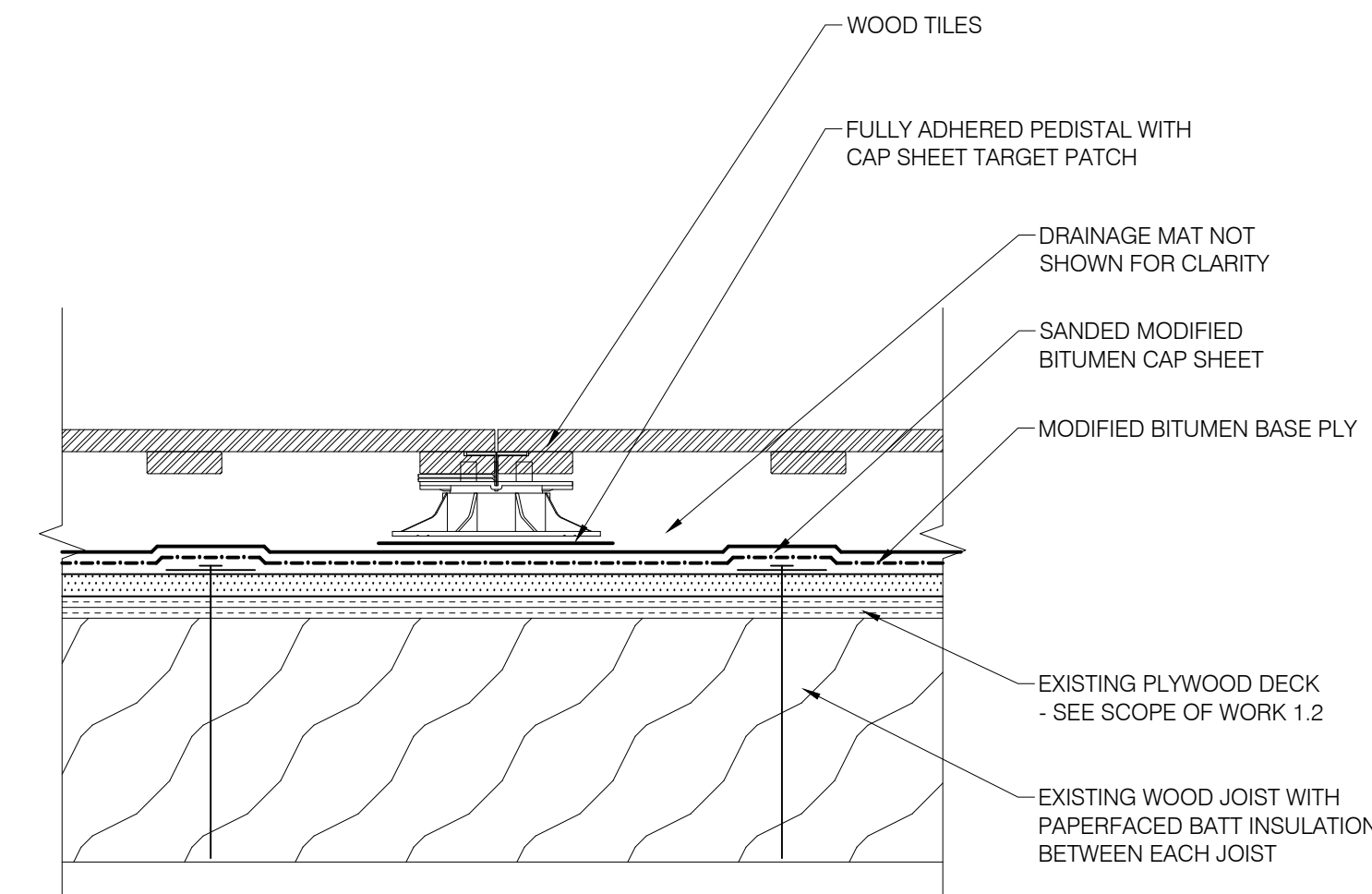
- NOTES:**
- FASTENER TYPE AND SPACING PER MANUFACTURER'S RECOMMENDATIONS / SYSTEM TEST CRITERIA, AND DESIGN WIND PRESSURES. PROVIDE PULL TEST REPORT TO MANUFACTURER AND INCLUDE WITHIN SUBMITTALS FOR BUILDING DEPARTMENT REVIEW. ALL FASTENERS TO EXTEND THROUGH EXISTING METAL DECK.
 - CONTRACTOR TO SUBMIT SEALED ENGINEERED SHOP DRAWINGS FOR ROOF SYSTEM ATTACHMENT PER PROJECT WIND UPLIFT CRITERIA AND PULL TEST RESULTS.
 - INSTALL ROOF SYSTEM PER SPECIFICATION SECTION 075216 AND SCOPE OF WORK ITEM 1.0
 - BASIS OF DESIGN: FLORIDA PRODUCT APPROVAL - FL10342-R12 - W-AM-4



A EXISTING ROOF ASSEMBLY
 A-3.1 SCALE: NTS

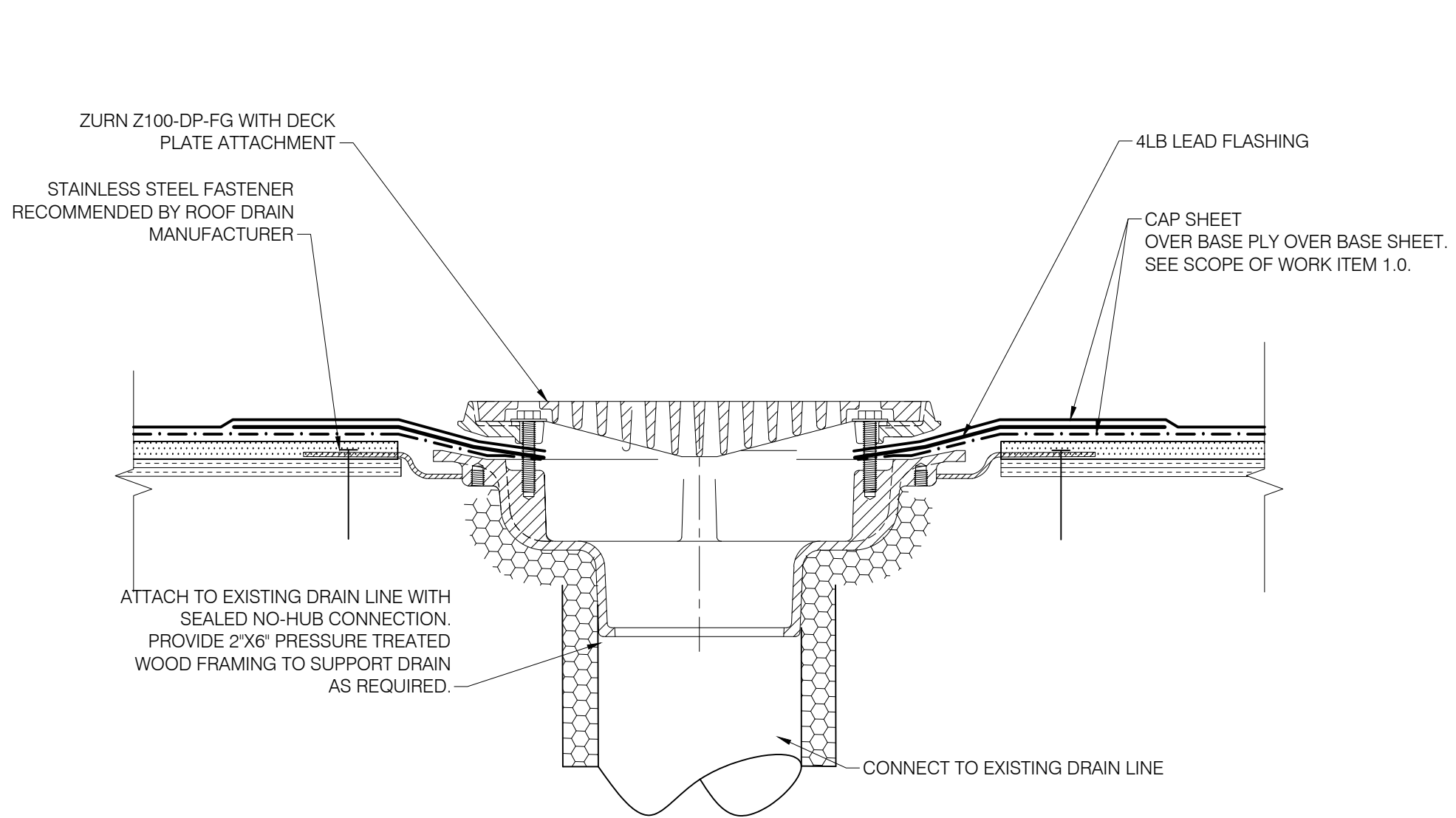


B PROPOSED ROOF ASSEMBLY
 A-3.1 SCALE: NTS



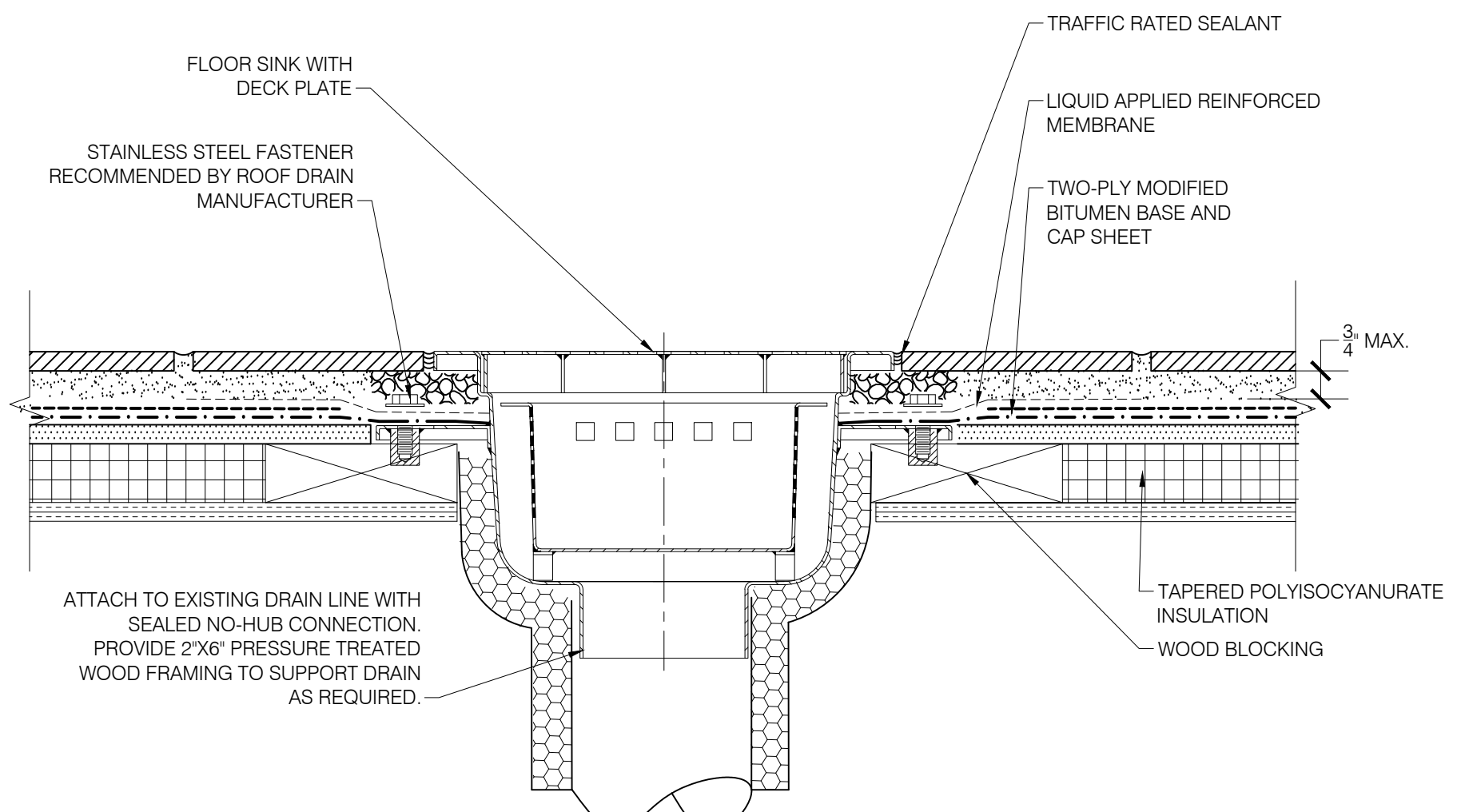
B.1 PROPOSED ROOF ASSEMBLY
 A-3.1 SCALE: NTS

- NOTES:**
- INSTALL NEW STAINLESS STEEL ZURN Z100 ROOF DRAINS BY ZURN AT ALL EXISTING ROOF DRAIN LOCATIONS UNLESS OTHERWISE NOTED. MATCH EXISTING DRAIN DIAMETER.
 - ALL ROOF DRAINS TO BE TEMPORARILY PLUGGED AND WATER TESTED FOR LEAKAGE.
 - INSTALL ALL ROOF DRAIN ACCESSORIES AS REQUIRED BY EXISTING CONDITIONS.



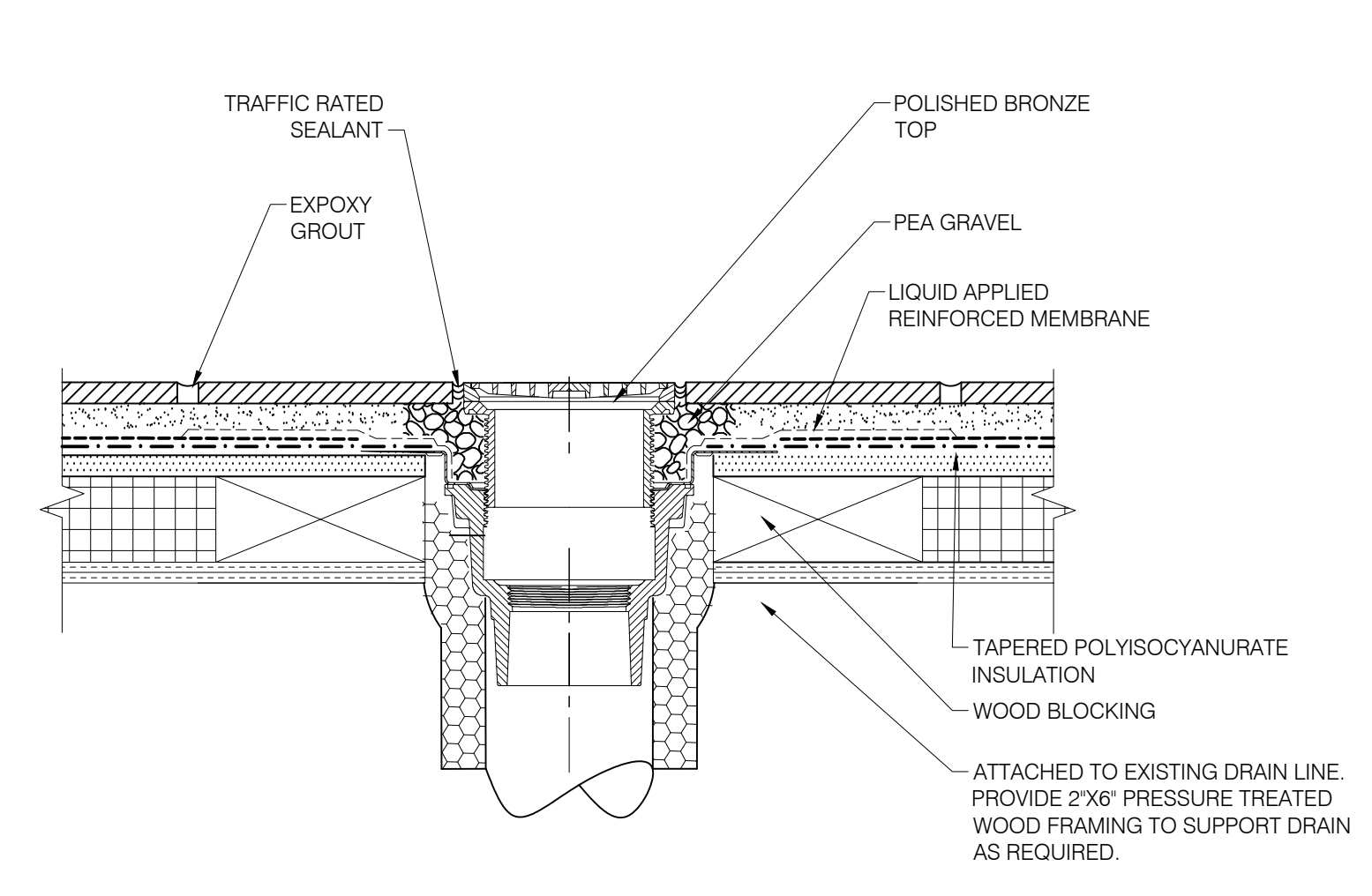
C ROOF DRAIN DETAIL
 A3.1 SCALE: NTS

- NOTES:**
- INSTALL NEW STAINLESS STEEL ZURN Z1750-KC-Y AT EXISTING ROOF FLOOR SINK LOCATIONS. MATCH EXISTING DRAIN DIAMETER.
 - ALL ROOF DRAINS TO BE TEMPORARILY PLUGGED AND WATER TESTED FOR LEAKAGE.
 - INSTALL ALL ROOF DRAIN ACCESSORIES AS REQUIRED BY EXISTING CONDITIONS.



D BAR FLOOR SINK DETAIL
 A3.1 SCALE: NTS

- NOTES:**
- INSTALL NEW DURA-COATED CAST IRON BODY STEEL ZURNZ415S-DP AT EXISTING ROOF FLOOR SINK LOCATIONS WITH POLISHED BRONZED TOP. MATCH EXISTING DRAIN DIAMETER.
 - ALL ROOF DRAINS TO BE TEMPORARILY PLUGGED AND WATER TESTED FOR LEAKAGE.
 - INSTALL ALL ROOF DRAIN ACCESSORIES AS REQUIRED BY EXISTING CONDITIONS.



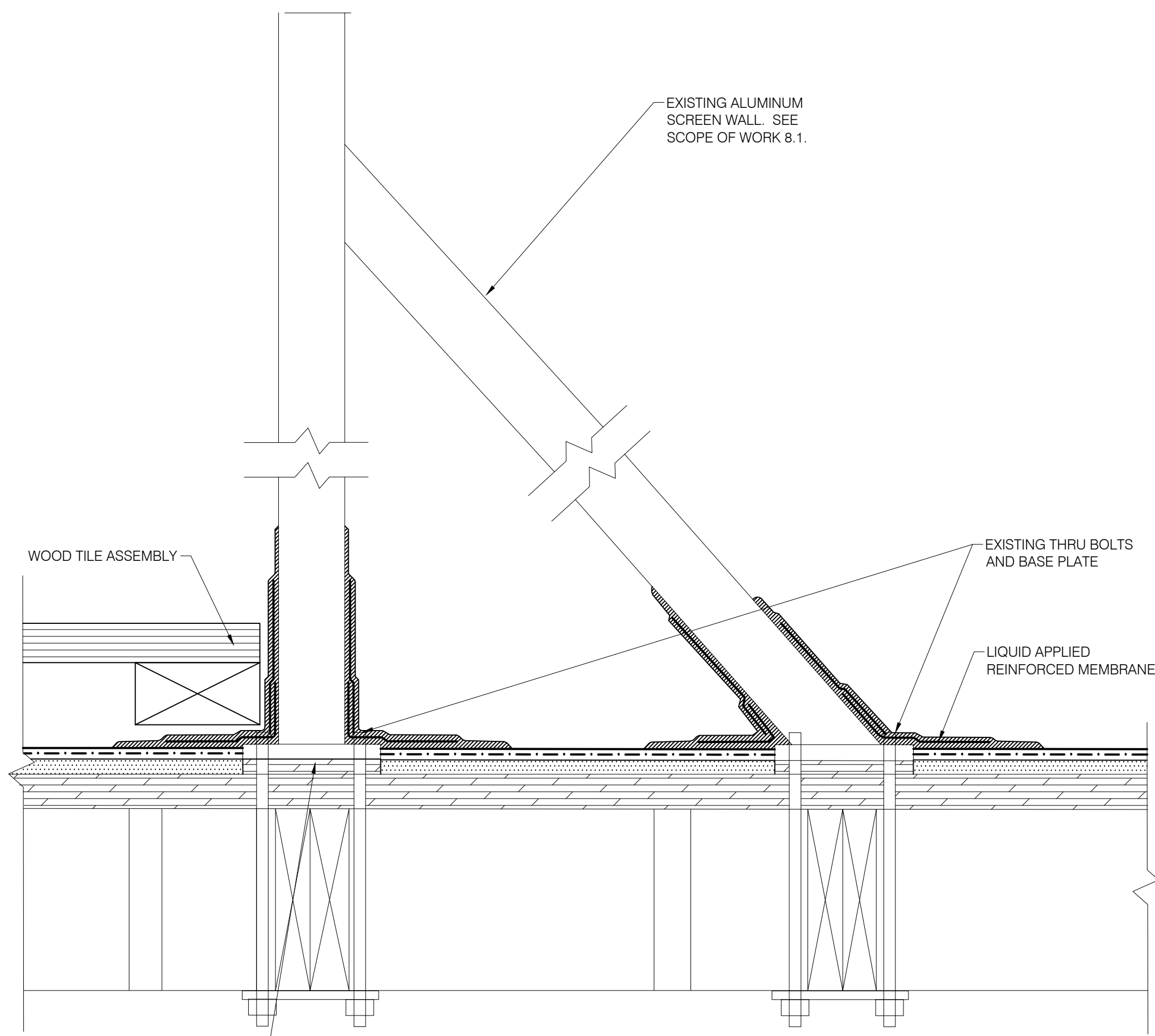
E TILE DRAIN DETAIL
 A3.1 SCALE: NTS

CONSTRUCTION DOCUMENTS
 CITY OF DAYTONA BEACH
 JOE'S CRAB SHACK
 DAYTONA BEACH, FLORIDA
 EXTERIOR DECK AND ROOFING REPLACEMENT PROJECT
 PROJECT NUMBER: 19-020

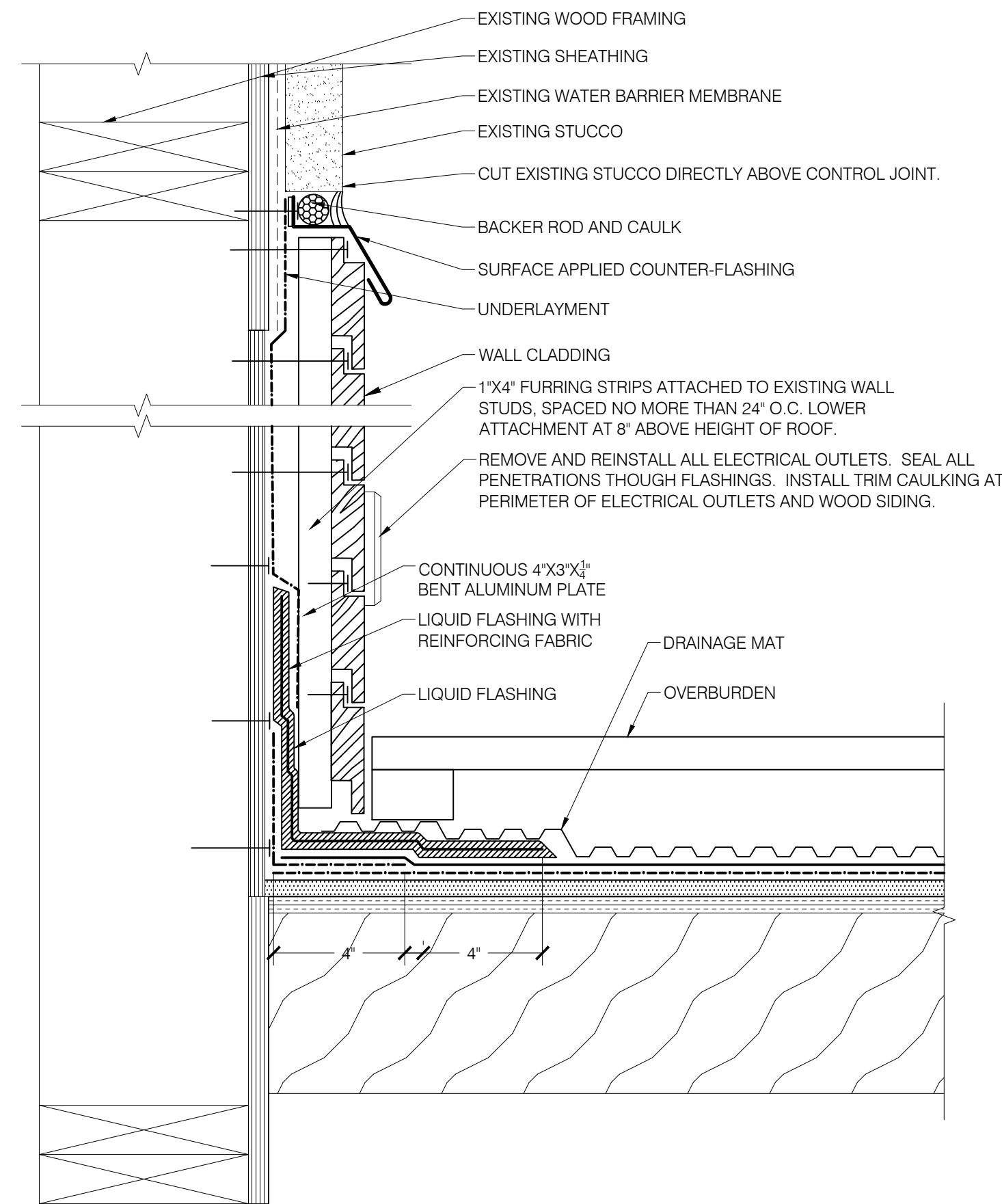
JAY AMMON ARCHITECT, INC.
 3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-6886 • E-MAIL: JAY@JAYAMMON.COM

REVISIONS			
NUMBER	TYPE	DATE	

DRAWN BY: NHR PROJECT NUMBER: 19-020
 APPROVED BY: JPA PHASE: BID DOCUMENTS
 ENGINEER: DATE: SEPTEMBER 25, 2019

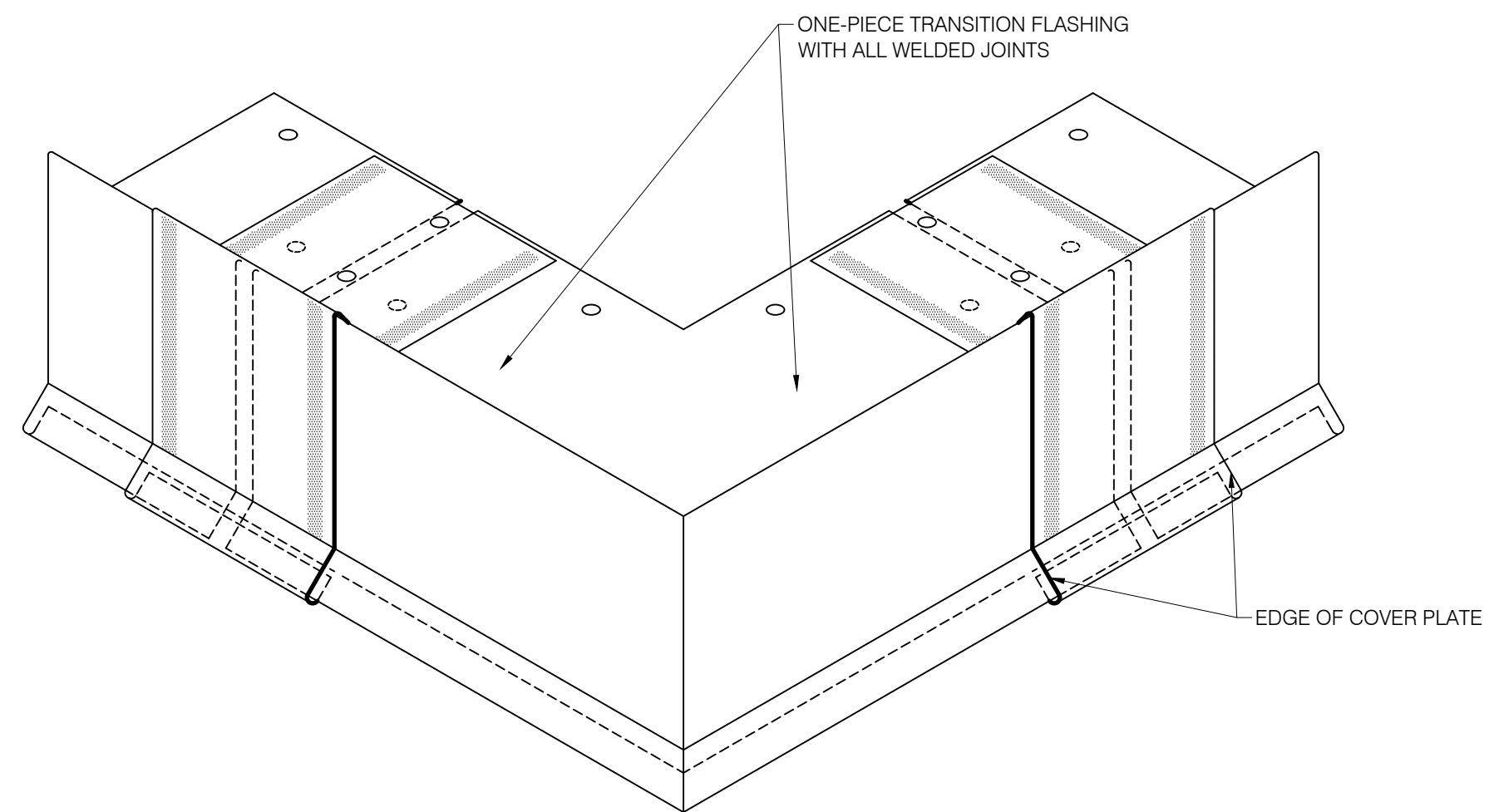


A SCREEN WALL PENETRATION DETAIL
A-3.2 SCALE: NTS

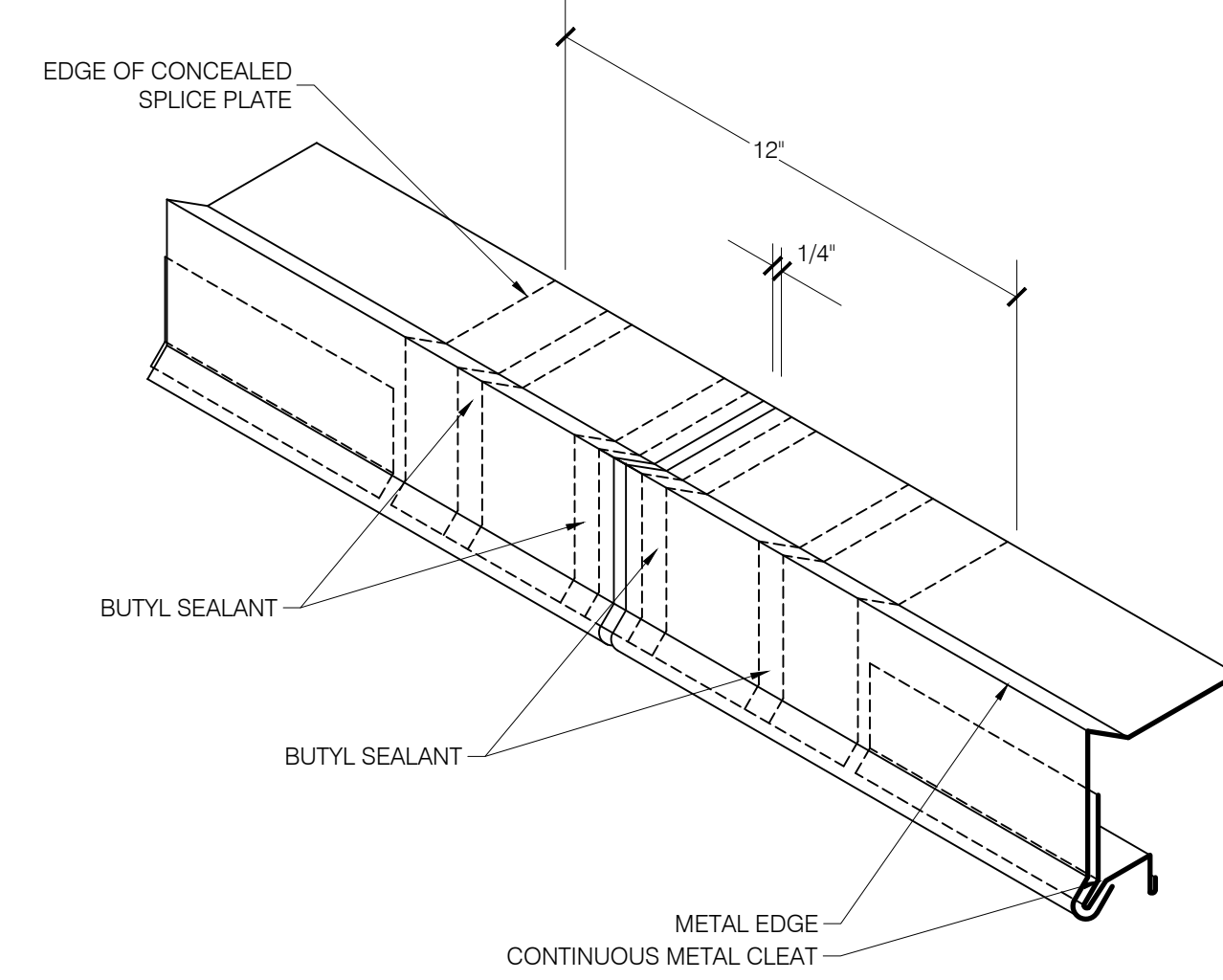


B BULKHEAD BASE FLASHING
A-3.2 SCALE: NTS

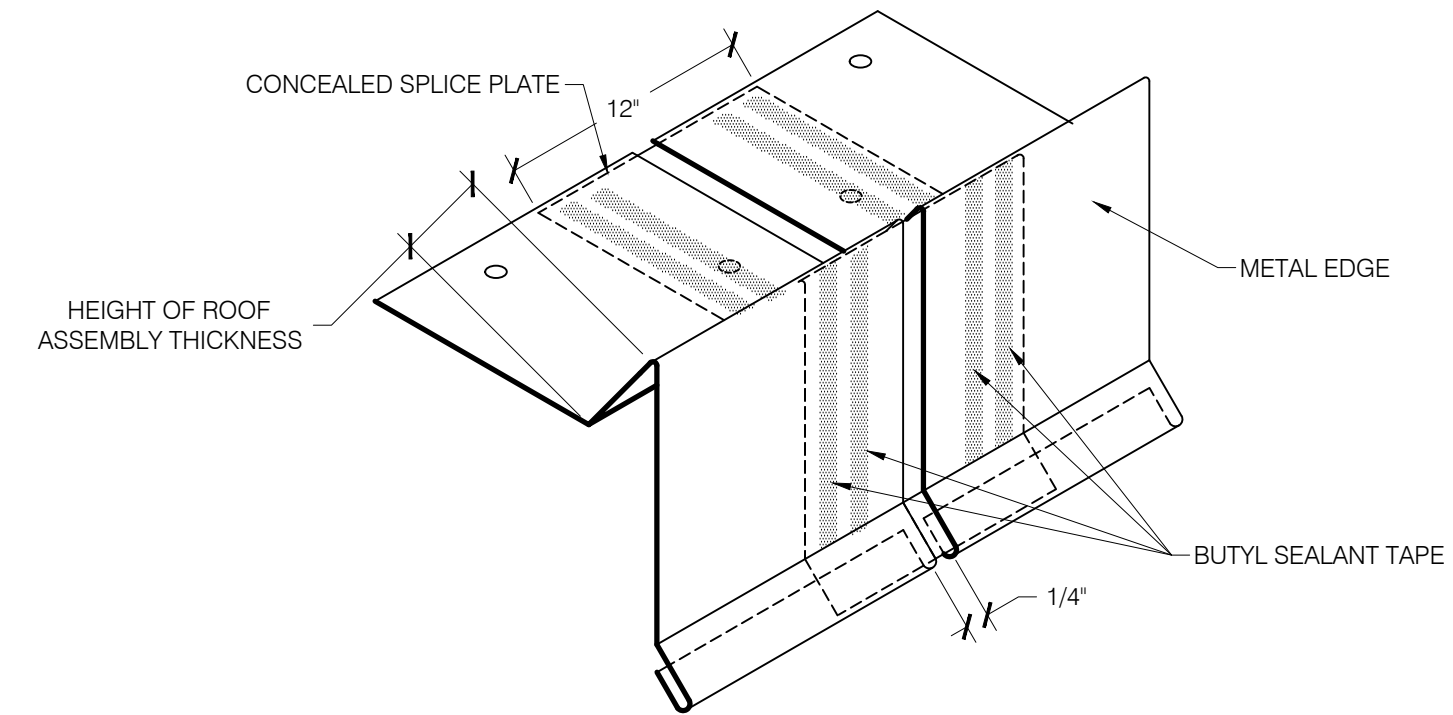
EXISTING ROOFING ASSEMBLY TO REMAIN



D METAL EDGE - OUTSIDE CORNER - HIGH PROFILE TRANSITION
A-3.3 SCALE: NTS



E METAL EDGE SPLICE PLATE
A-3.3 SCALE: NTS



F METAL EDGE WITH CONCEALED SPLICE PLATE
A-3.3 SCALE: NTS

NOTE: METAL CLEAT NOT SHOWN FOR CLARITY.

MATERIAL COMPONENT SCHEDULE

ROUGH CARPENTRY SPECIFICATION SECTION 061000
FRT WOOD BLOCKING: FIRE RETARDANT LUMBER.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216

BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW. MINIMUM 90 MILS THICK.

BASE FLASHING - OUTER PLY: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW. MINIMUM 135 MILS THICK.

CANT STRIP: FIBERBOARD CANT FULLY ADHERED TO SUBSTRATES IN COLD MODIFIED BITUMINOUS ADHESIVE.

COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.

DRAINAGE MAT: TWO PART PREFABRICATED SHEET AND PROTECTION BOARD CONSISTING OF A FORMED POLYPROPYLENE CORE COVERED ON ONE SIDE WITH A WOVEN POLYPROPYLENE FILTER FABRIC. BASIS OF DESIGN: "PARADRAIN" BY SIPLAST.

GROUT: BASIS OF DESIGN: "KERAPOXY CO" BY MAPEI.

LIQUID APPLIED REINFORCED MEMBRANE: THREE COAT LIQUID APPLIED REINFORCED FLASHING SYSTEM WITH FIBERGLASS FABRIC APPROVED BY ROOFING MEMBRANE MANUFACTURER.

MODIFIED BITUMEN BASE PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW. MINIMUM 90 MILS THICK.

MODIFIED BITUMEN GAP SHEET (ROOF TYPE 1): SBS GRANULATED SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW. MINIMUM 138 MILS THICK.

MODIFIED BITUMEN GAP SHEET (ROOF TYPE 2 & 3): SBS SANDED SURFACED MODIFIED BITUMEN, ASTM D 6162, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW. MINIMUM 154 MILS THICK.

PROTECTION BOARD: 1/2" ASPHALT IMPREGNATED PROTECTION BOARD. BASIS OF DESIGN: "W.R. MEADOWS PROTECTION BOARD".

RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, MIN. 25 PSI, 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.

ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, ASTM D 6163, TYPE 2, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. TORCH APPLIED OVER PRIMED CAP SHEET. MIN. 200 MILS THICK.

SELF-ADHERED UNDERLAYMENT: GCP APPLIED TECHNOLOGIES GRACE ULTRA OR PRE-APPROVED EQUAL. HIGH TEMPERATURE, MIN. 280 DEGREES F., .030" THICK, SELF-ADHERED BUTYL BASED MEMBRANE ASTM D1204, ADHERED OVER PRIMED SUBSTRATE BELOW.

TILE TYPE 01: MIN. 6"x6" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL.

TILE TYPE 02: 12"x48" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL. BASIS OF DESIGN: HANOVER PORCELAIN PAVERS - WOOD COLLECTION BY HANOVER ARCHITECTURAL PRODUCTS.

FLASHING AND SHEET METAL SPECIFICATION SECTION 078200

METAL CLEAT: .060 ALUMINUM.

METAL COUNTERFLASHING: .060 ALUMINUM.

METAL EDGE: .060 ALUMINUM.

METAL SKIRT FLASHING: .060 ALUMINUM.

METAL TRIM FLASHING: .060 ALUMINUM.

ONE-PIECE TRANSITION FLASHING: .060 ALUMINUM.

TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL.

SHEET METAL FASTENERS: ALL SHEET METAL FLASHINGS TO BE .040 ALUMINUM.

ROOF ACCESSORIES SPECIFICATION SECTION 077200

ROOF HATCH: BASIS OF DESIGN: BILCO TYPE "S-507B" ENHANCED PERFORMANCE ALUMINUM ROOF HATCH WITH INSULATION CURB LINER.

WOOD TILE: BASIS OF DESIGN: BISON WOOD TILE.

PEDISTALS: BASIS OF DESIGN: BUZON PEDISTAL ASSEMBLY. COMPLY WITH REQUIRED WIND UPLIFT.

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, 11"1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS OR PRE-APPROVED EQUAL.

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.

TRAFFIC RATED SEALANT: SINGLE-COMPONENT, NONSAG, TRAFFIC-GRADE, URETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 25.

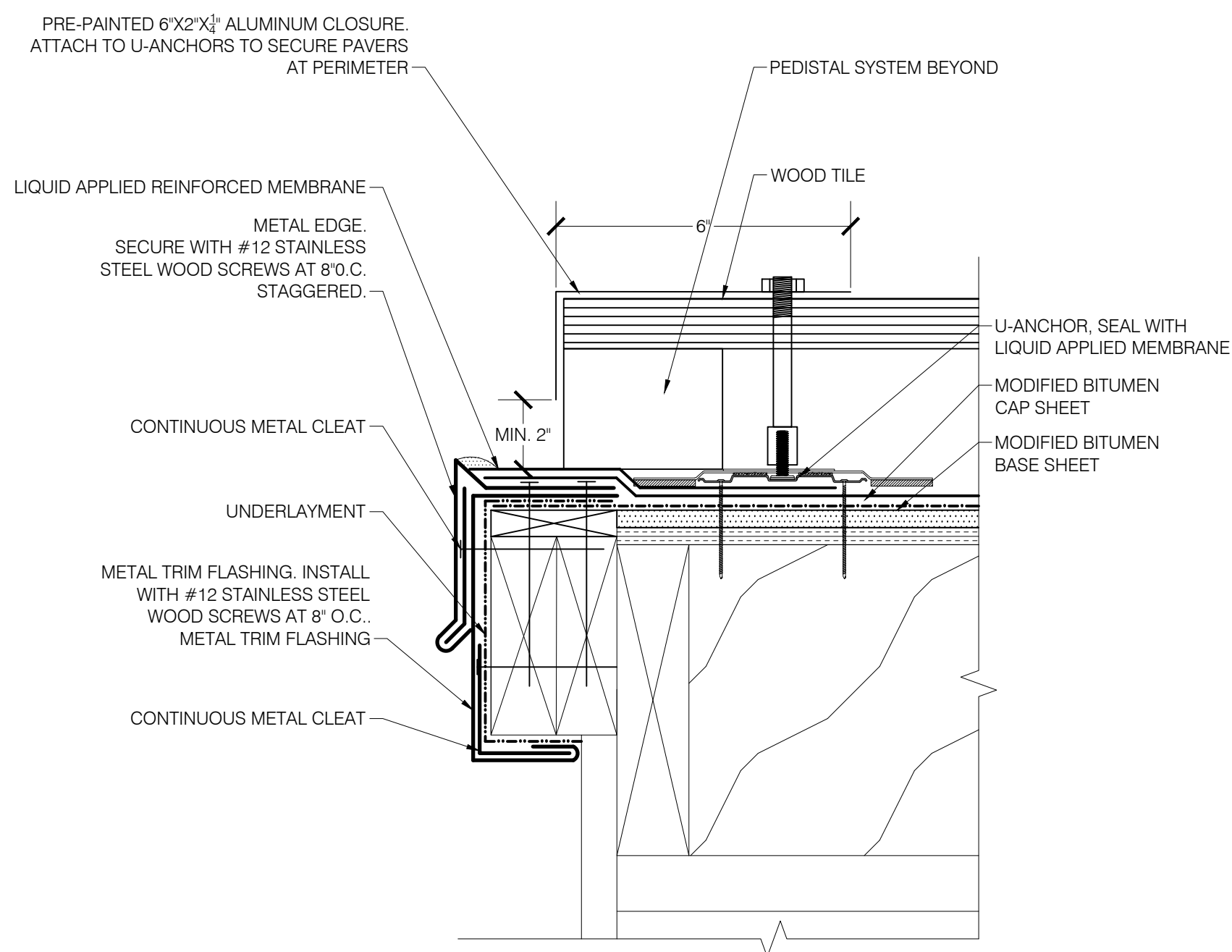
CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
(407) 333-1977 • FAX: (407) 333-6888 • E-MAIL: JAY@JAYAMMON.COM

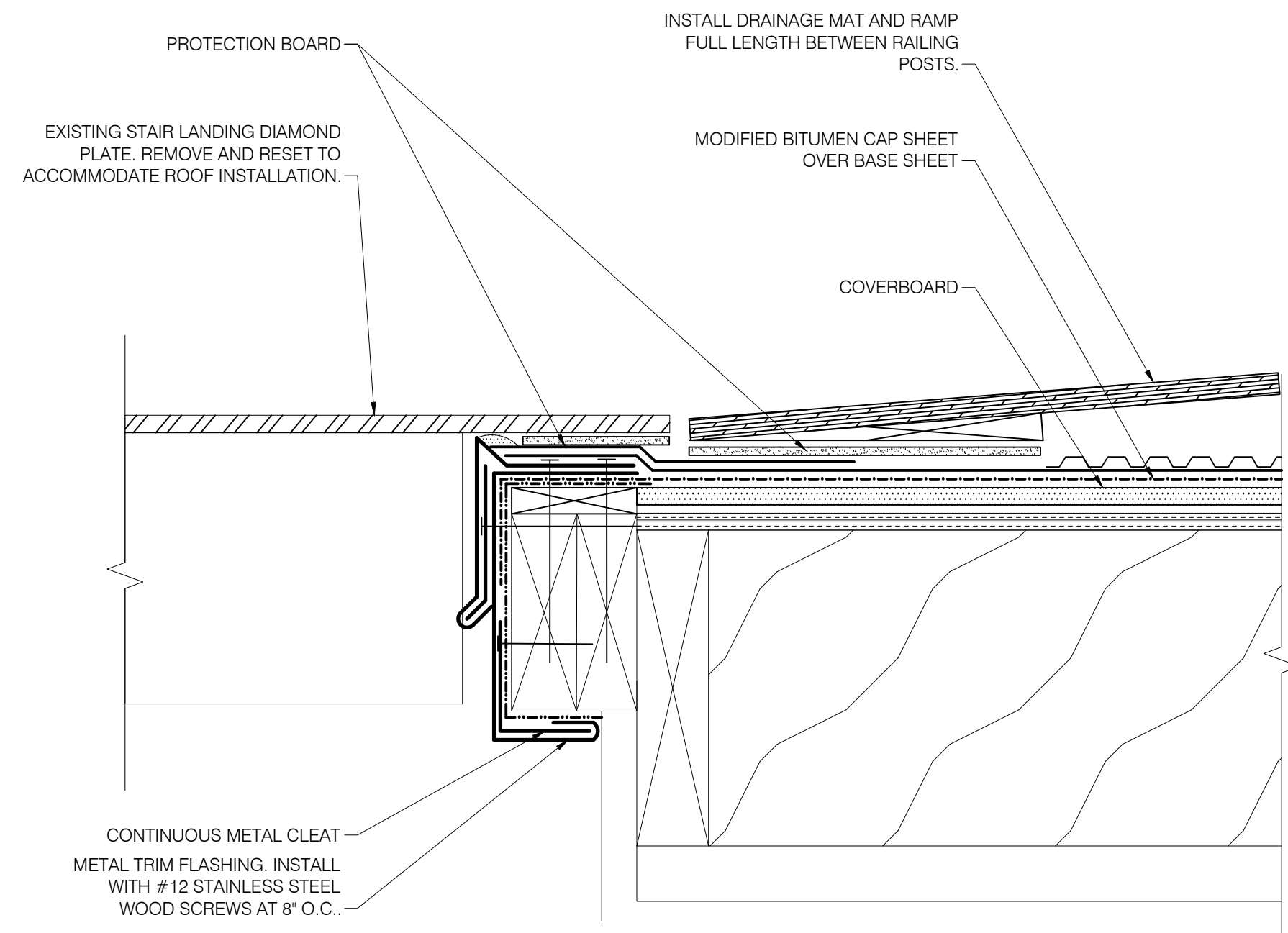
REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JNR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

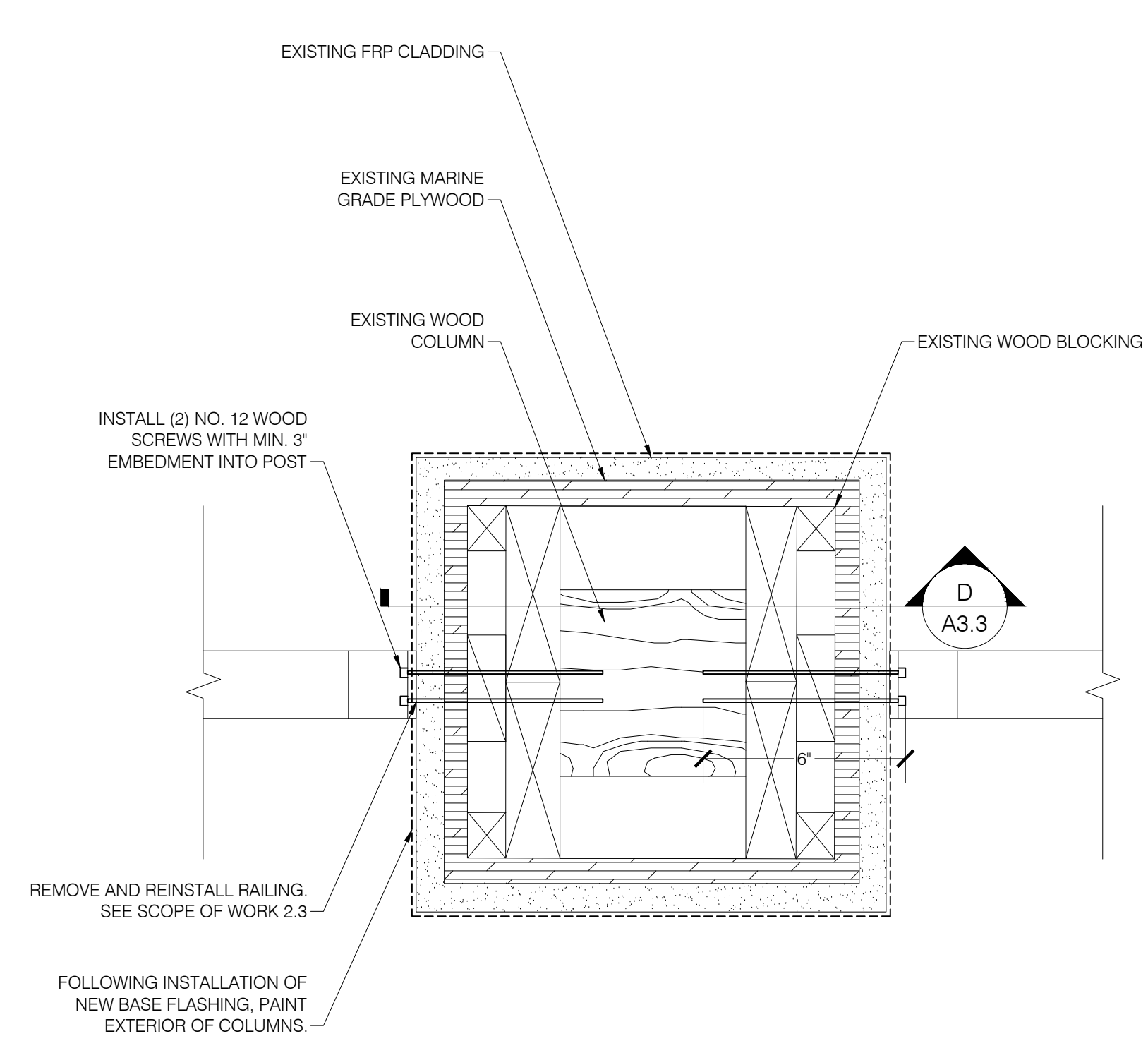
ROOF REPLACEMENT
DETAILS
A3.2
PLOT: 3"=1' SHEET



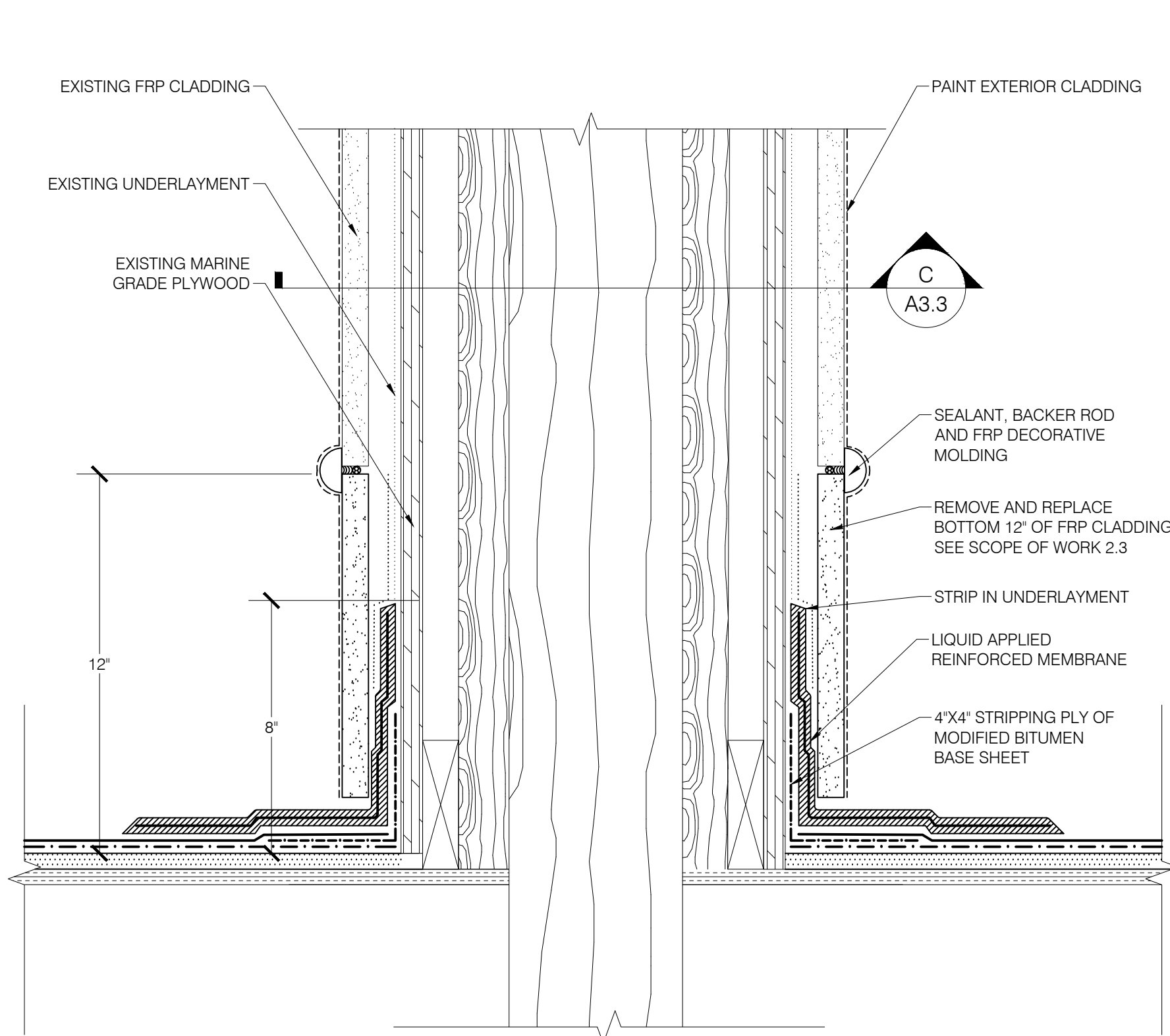
A ROOF EDGE AT MECHANICAL EQUIPMENT SCUPPER
A-3.3 SCALE: NTS



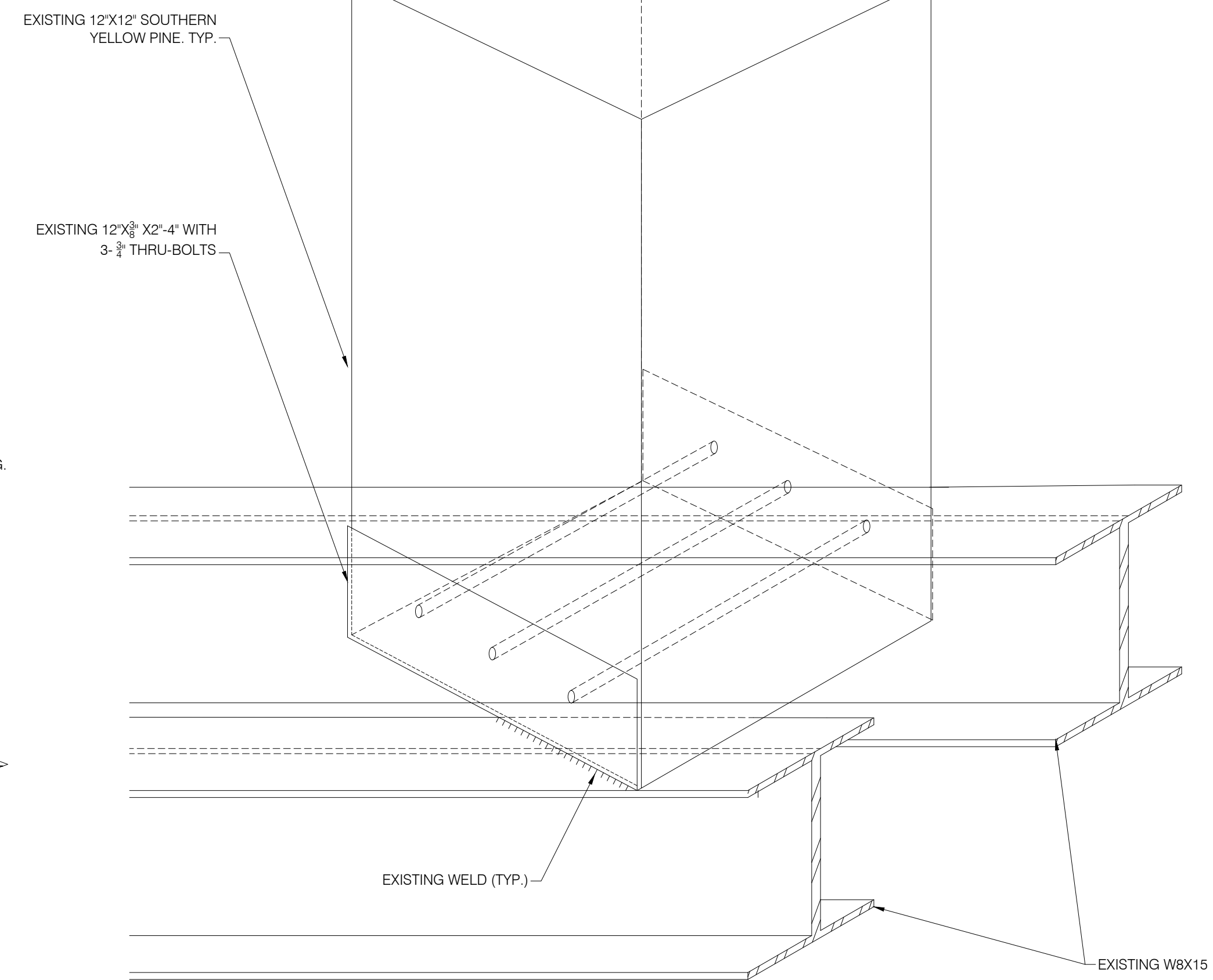
B ROOF EDGE AT STAIR LANDING
A-3.3 SCALE: NTS



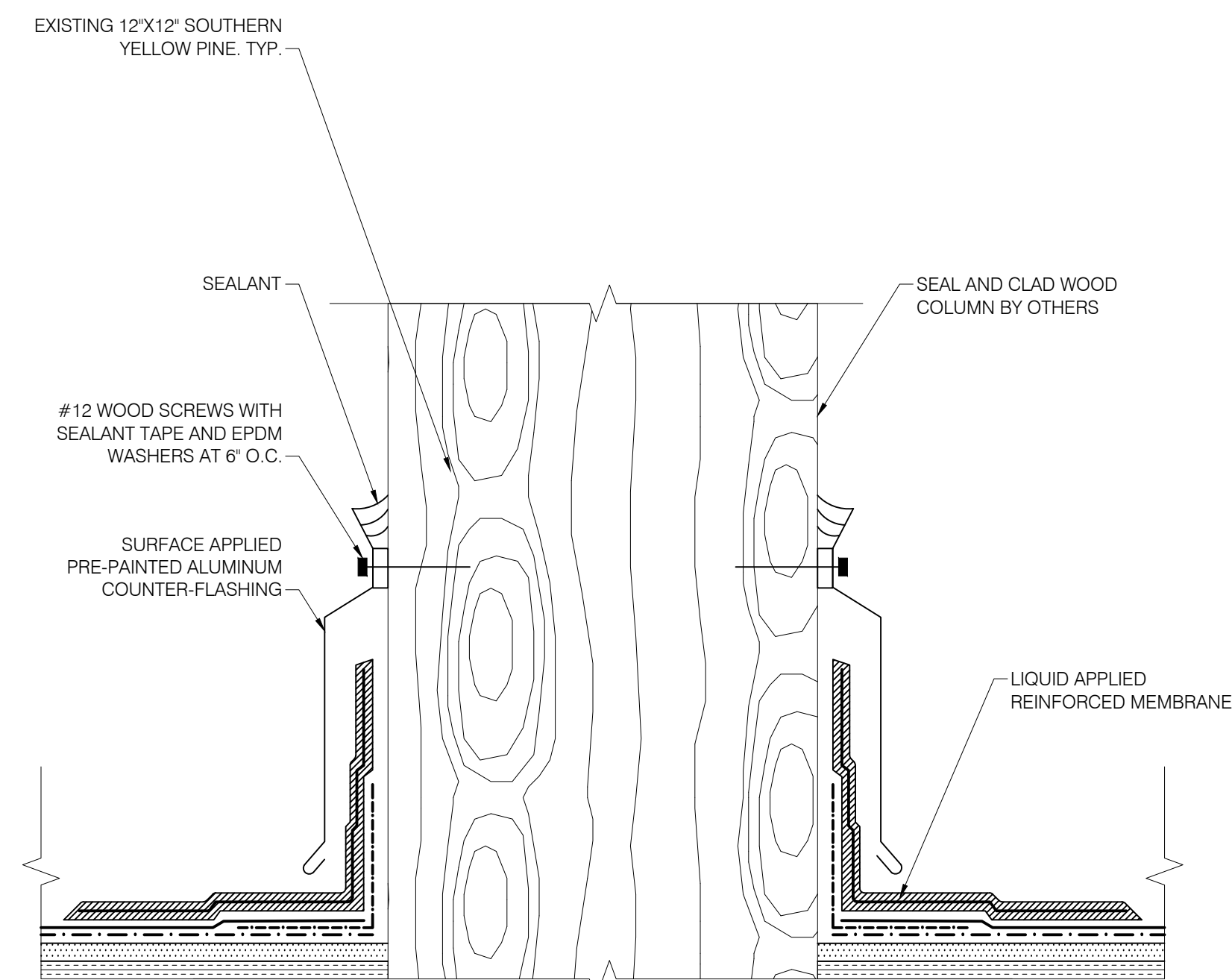
C PLAN SECTION AT RAILING POSTS
A-3.3 SCALE: NTS



D SECTION AT RAILING POST
A-3.3 SCALE: NTS



E EXISTING COLUMN ATTACHMENT
A-3.3 SCALE: NTS



F COLUMN FLASHING DETAIL
A-3.3 SCALE: NTS

MATERIAL COMPONENT SCHEDULE

ROUGH CARPENTRY SPECIFICATION SECTION 061000
FRP WOOD BLOCKING: FIRE RETARDANT LUMBER.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216

BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW. MINIMUM 90 MILS THICK.

BASE FLASHING - OUTER PLY: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW. MINIMUM 135 MILS THICK.

CANT STRIP: FIBERBOARD CANT FULLY ADHERED TO SUBSTRATES IN COLD MODIFIED BITUMINOUS ADHESIVE.

COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG

DRAINAGE MAT: TWO PART PREFABRICATED SHEET AND PROTECTION BOARD CONSISTING OF A FORMED POLYPROPYLENE CORE COVERED ON ONE SIDE WITH A WOVEN POLYPROPYLENE FILTER FABRIC. BASIS OF DESIGN: "PARADRAIN" BY Siplast.

GROUT: BASIS OF DESIGN: "KERAPOXY CO" BY MAPEI

LIQUID-APPLIED REINFORCED MEMBRANE: THREE COAT LIQUID APPLIED REINFORCED FLASHING SYSTEM WITH FIBERGLASS FABRIC APPROVED BY ROOFING MEMBRANE MANUFACTURER.

MODIFIED BITUMEN BASE PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW. MINIMUM 90 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 1): SBS GRANULATED SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW. MINIMUM 138 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 2 & 3): SBS SANDED SURFACED MODIFIED BITUMEN, ASTM D 6162, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW. MINIMUM 154 MILS THICK.

PROTECTION BOARD: 1/2" ASPHALT IMPREGNATED PROTECTION BOARD. BASIS OF DESIGN: "W.R. MEADOWS PROTECTION BOARD".

RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, MIN. 25 PSI, 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.

ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, ASTM D 6163, TYPE 2, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. TORCH APPLIED OVER PRIMED CAP SHEET. MIN. 200 MILS THICK.

SELF-ADHERED UNDERLAYMENT: GCP APPLIED TECHNOLOGIES GRACE ULTRA OR PRE-APPROVED EQUAL. HIGH TEMPERATURE, MIN. 280 DEGREES F., .030" THICK, SELF-ADHERED BUTYL BASED MEMBRANE ASTM D1204, ADHERED OVER PRIMED SUBSTRATE BELOW.

TILE TYPE 01: MIN. 6"X6" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL.

TILE TYPE 02: 12"X48" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL. BASIS OF DESIGN: HANOVER PORCELAIN PAVERS - WOOD COLLECTION BY HANOVER ARCHITECTURAL PRODUCTS.

FLASHING AND SHEET METAL SPECIFICATION SECTION 078200

METAL CLEAT: .060 ALUMINUM.

METAL COUNTERFLASHING: .060 ALUMINUM.

METAL EDGE: .060 ALUMINUM.

METAL SKIRT FLASHING: .060 ALUMINUM.

METAL TRIM FLASHING: .060 ALUMINUM.

ONE-PIECE TRANSITION FLASHING: .060 ALUMINUM.

TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL.

SHEET METAL FASTENERS: ALL SHEET METAL FLASHINGS TO BE .040 ALUMINUM.

ROOF ACCESSORIES: SPECIFICATION SECTION 077200

ROOF HATCH: BASIS OF DESIGN: BILCO TYPE "S-507B" ENHANCED PERFORMANCE ALUMINUM ROOF HATCH WITH INSULATION CURB LINER.

WOOD TILE: BASIS OF DESIGN: BISON WOOD TILE. COMPLY WITH REQUIRED WIND UPLIFT.

PEDISTALS: BASIS OF DESIGN: BUZON PEDISTAL ASSEMBLY. COMPLY WITH REQUIRED WIND UPLIFT.

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, 11-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS OR PRE-APPROVED EQUAL.

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.

TRAFFIC RATED SEALANT: SINGLE-COMPONENT, NONSAG, TRAFFIC-GRADE, URETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 25.

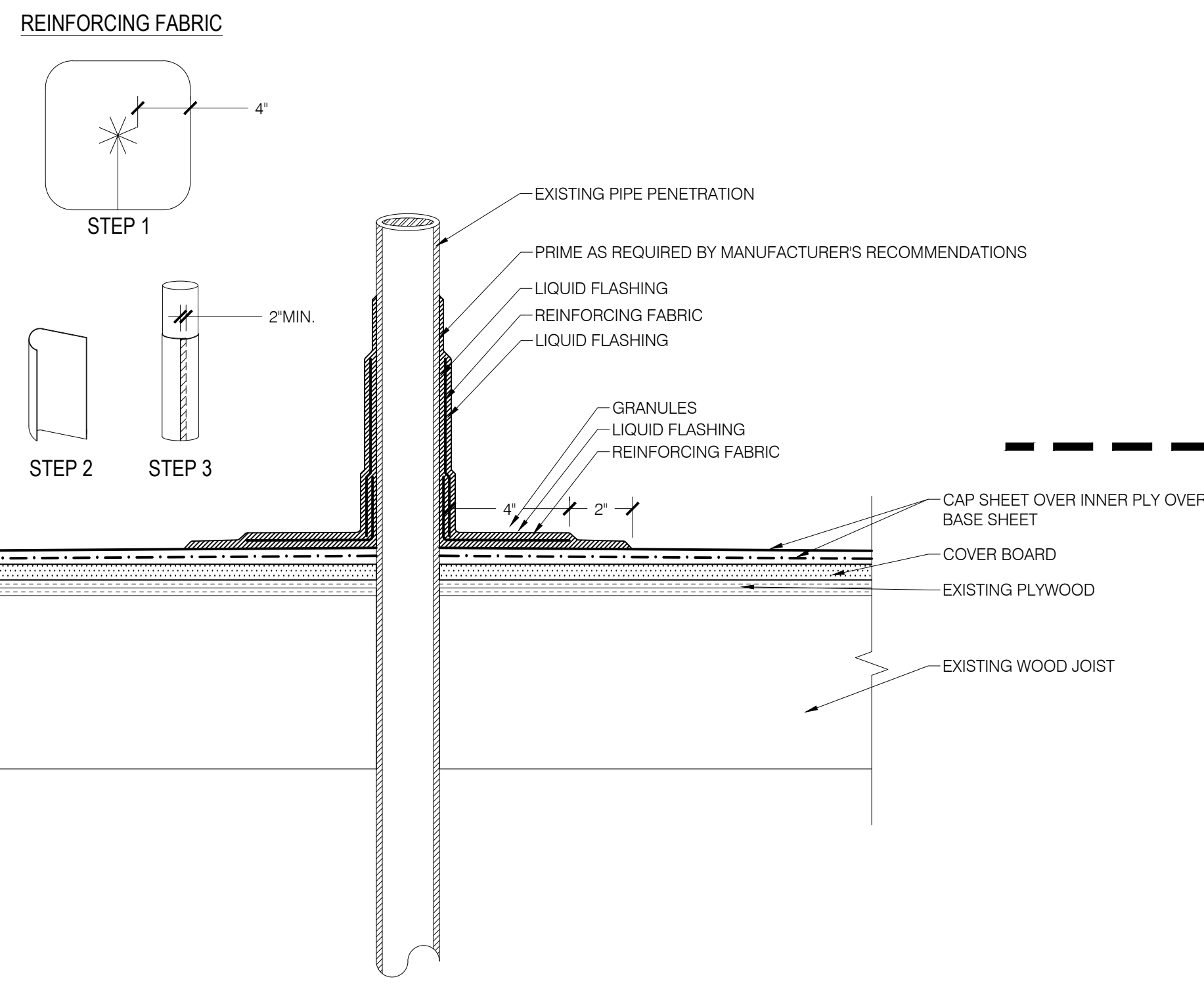
CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
(407) 333-1977 • FAX: (407) 333-6886 • E-MAIL: JAY@JAYAMMON.COM

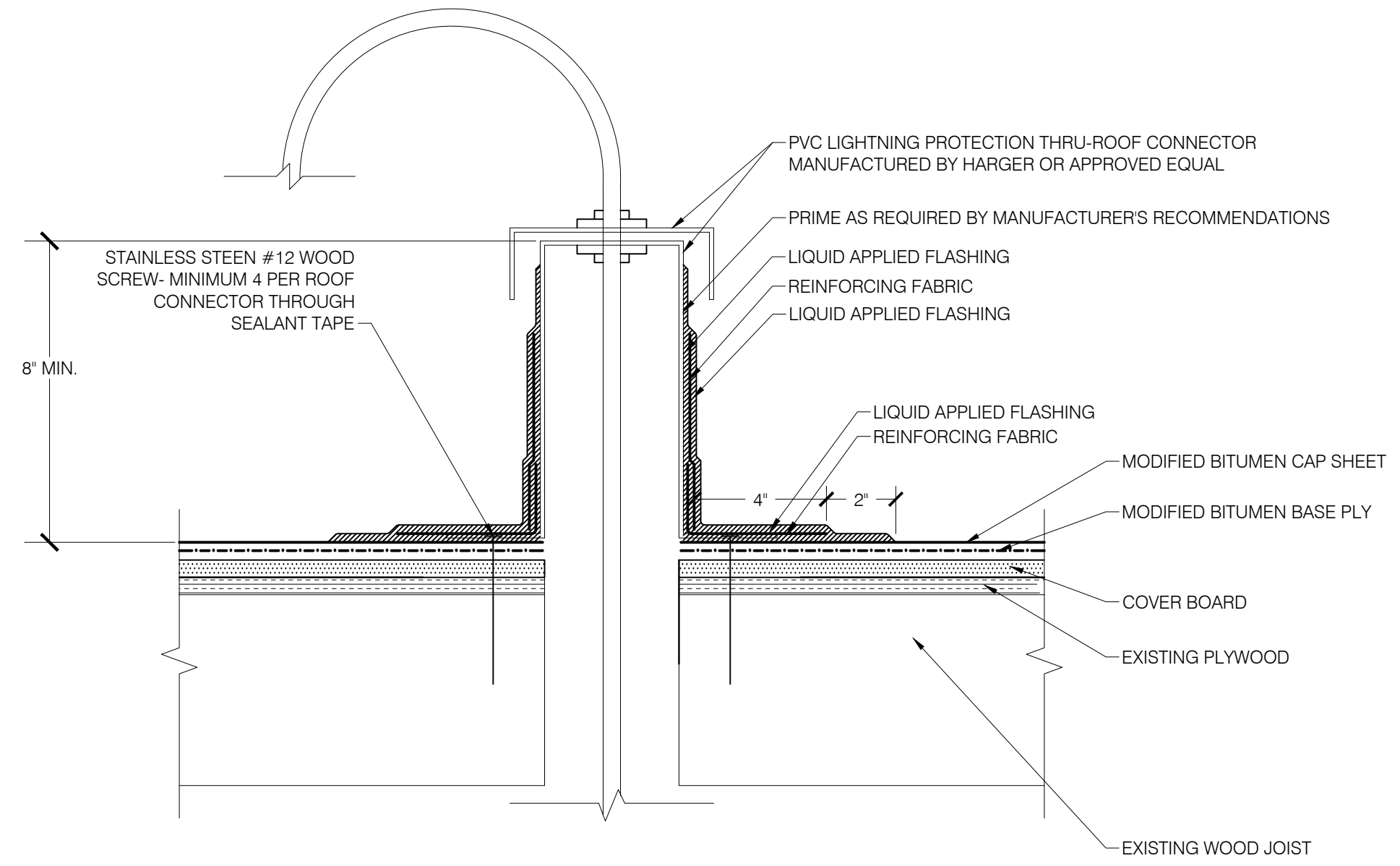
REVISIONS			
NUMBER	TYPE	DATE	

DRAWN BY: JNR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

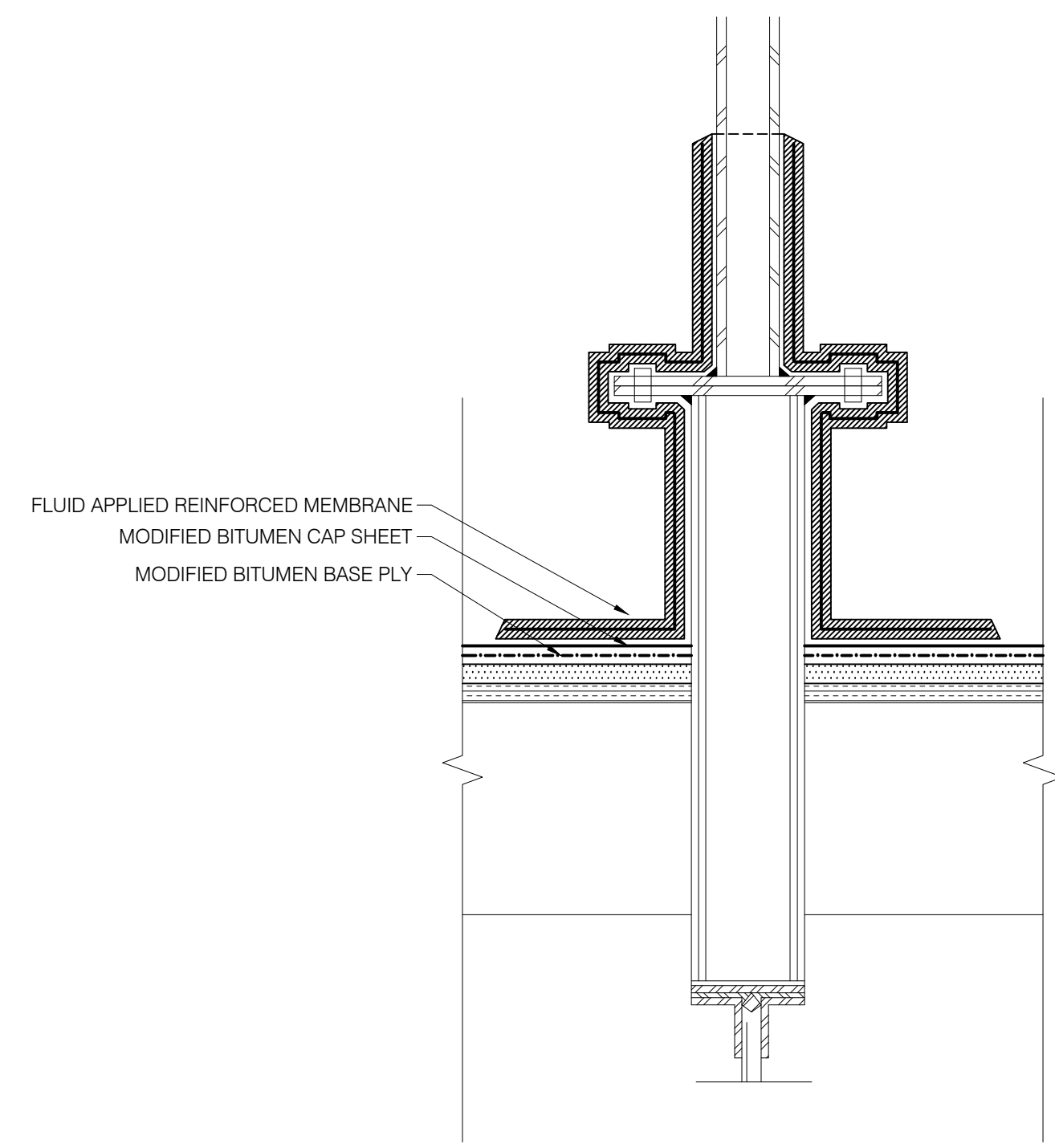
ROOF REPLACEMENT
DETAILS
A3.3
PLOT: 3"=1' SHEET



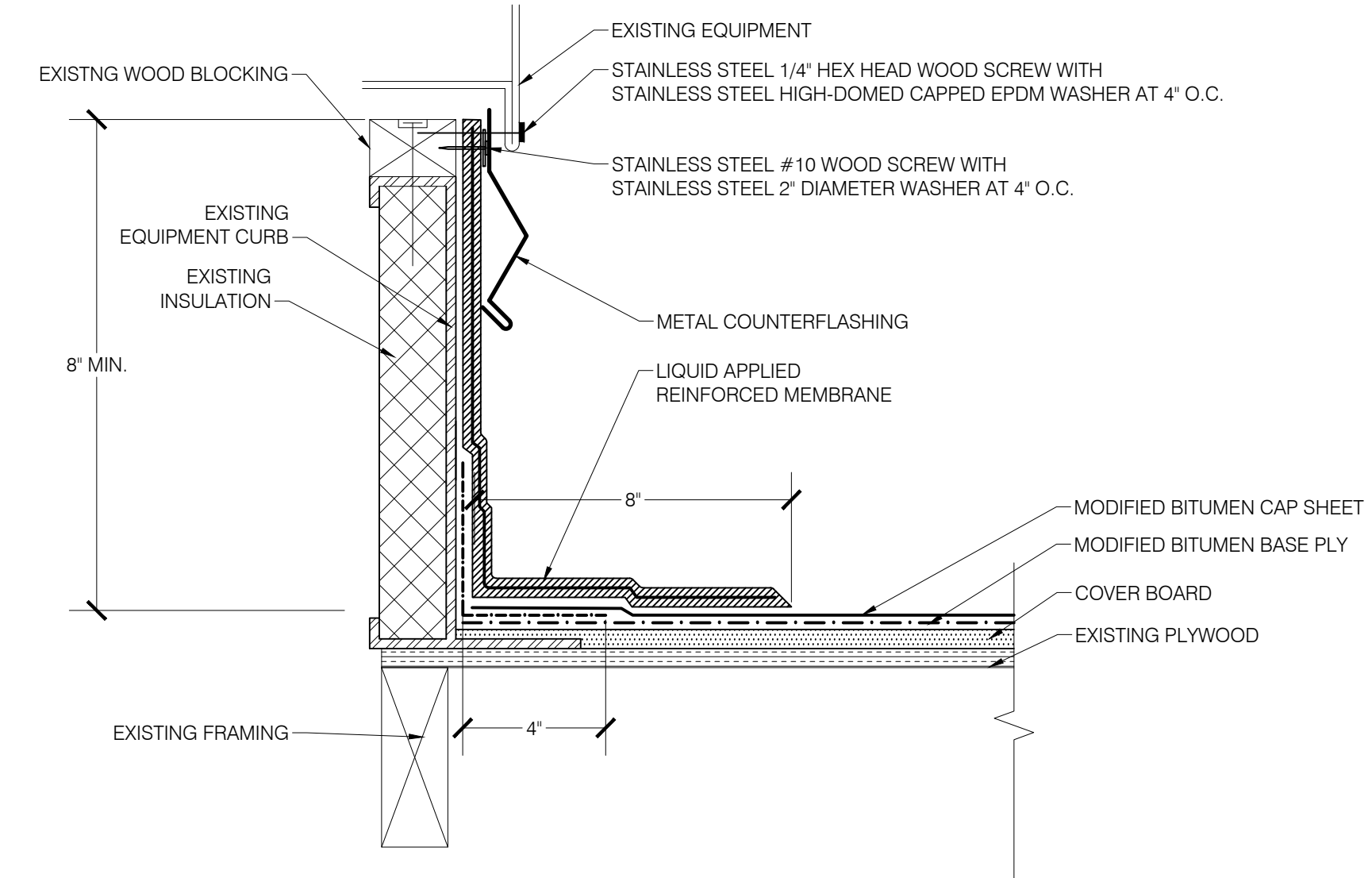
A
A-3.4
EXISTING PIPE PENETRATION FLASHING
SCALE: NTS



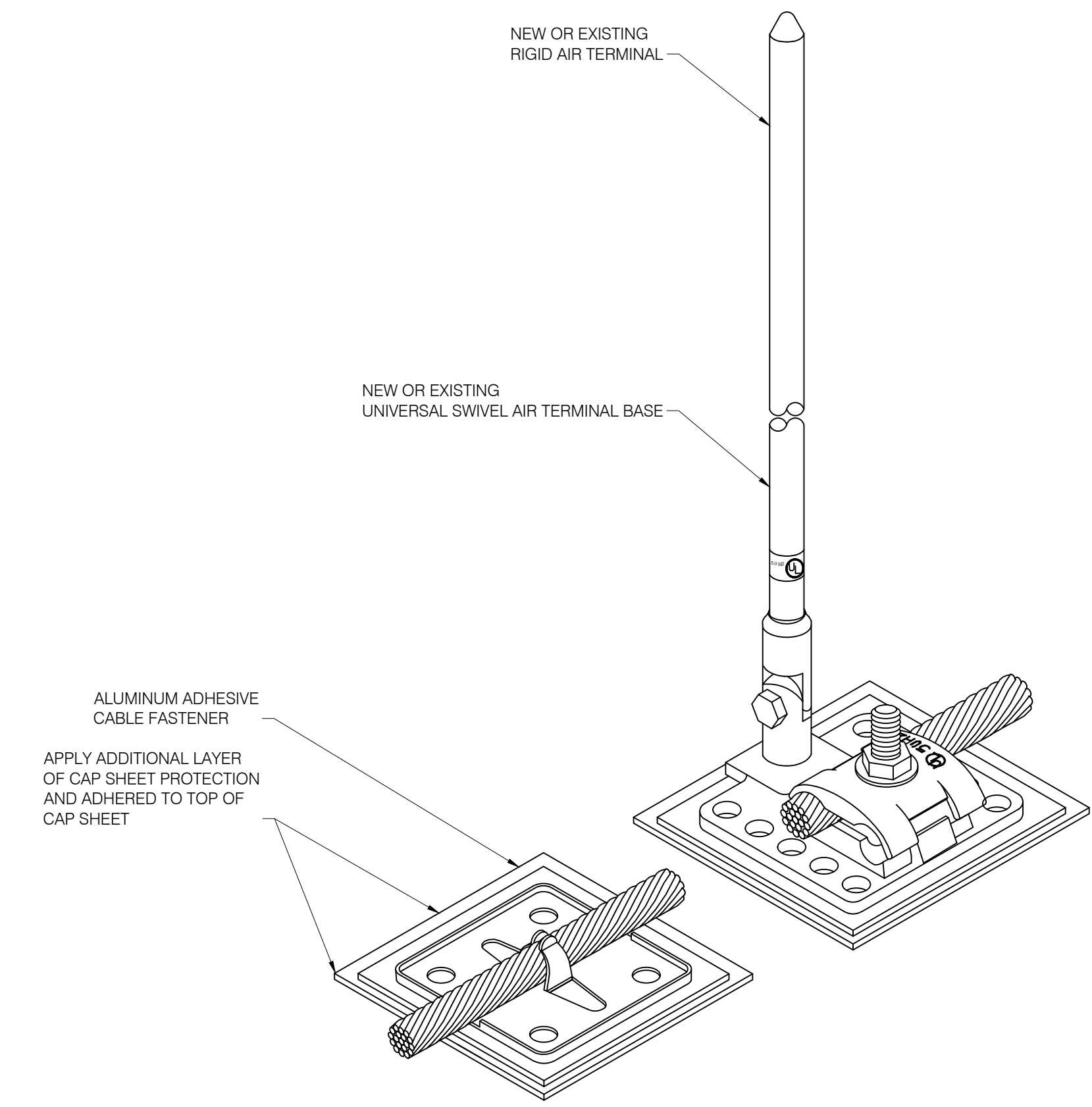
B
A-3.4
THROUGH ROOF LIGHTNING PROTECTION PENETRATION
SCALE: NTS



C
A-3.4
BRACING PENETRATION DETAIL
SCALE: NTS



D
A-3.4
EQUIPMENT CURB SECTION
SCALE: NTS



E
A-3.4
LIGHTNING PROTECTION BASE DETAIL
SCALE: NTS

MATERIAL COMPONENT SCHEDULE

ROUGH CARPENTRY SPECIFICATION SECTION 061000
FRT WOOD BLOCKING: FIRE RETARDANT LUMBER.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216

BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF-ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.
BASE FLASHING - OUTER PLY: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 135 MILS THICK.
CANT STRIP: FIBERBOARD CANT FULLY ADHERED TO SUBSTRATES IN COLD MODIFIED BITUMINOUS ADHESIVE.
COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278, BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG
DRAINAGE MAT: TWO PART PREFABRICATED SHEET AND PROTECTION BOARD CONSISTING OF A FORMED POLYPROPYLENE CORE COVERED ON ONE SIDE WITH A WOVEN POLYPROPYLENE FILTER FABRIC, BASIS OF DESIGN: "PARADRAIN" BY SIPLAST.
GROUT: BASIS OF DESIGN: "KERAPOXY CO" BY MAPEI.
LIQUID-APPLIED REINFORCED MEMBRANE: THREE COAT LIQUID APPLIED REINFORCED FLASHING SYSTEM WITH FIBERGLASS FABRIC APPROVED BY ROOFING MEMBRANE MANUFACTURER.
MODIFIED BITUMEN BASE PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF-ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.
MODIFIED BITUMEN CAP SHEET (ROOF TYPE 1): SBS GRANULATED SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 138 MILS THICK.
MODIFIED BITUMEN CAP SHEET (ROOF TYPE 2 & 3): SBS SANDED SURFACED MODIFIED BITUMEN, ASTM D 6162, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 154 MILS THICK.
PROTECTION BOARD: 3/4" ASPHALT IMPREGNATED PROTECTION BOARD, BASIS OF DESIGN: "W.R. MEADOWS PROTECTION BOARD".
RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, MIN. 25 PSI, 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.
ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, ASTM D 6163, TYPE 2, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. TORCH APPLIED OVER PRIMED CAP SHEET, MIN. 200 MILS THICK.
SELF-ADHERED UNDERLAYMENT: GCP APPLIED TECHNOLOGIES GRACE ULTRA OR PRE-APPROVED EQUAL, HIGH TEMPERATURE, MIN. 280 DEGREES F., .030" THICK, SELF-ADHERED BUTYL BASED MEMBRANE ASTM D1204, ADHERED OVER PRIMED SUBSTRATE BELOW.
TILE TYPE 01: MIN. 6"x6" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL.
TILE TYPE 02: 12"x48" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL. BASIS OF DESIGN: HANOVER PORCELAIN PAVERS - WOOD COLLECTION BY HANOVER ARCHITECTURAL PRODUCTS."

FLASHING AND SHEET METAL SPECIFICATION SECTION 075200

METAL CLEAT: .060 ALUMINUM.
METAL COUNTERFLASHING: .060 ALUMINUM.
METAL EDGE: .060 ALUMINUM.
METAL SKIRT FLASHING: .060 ALUMINUM.
METAL TRIM FLASHING: .060 ALUMINUM.
ONE-PIECE TRANSITION FLASHING: .060 ALUMINUM.
TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL.
SHEET METAL FASTENERS: ALL SHEET METAL FLASHINGS TO BE .040 ALUMINUM.

ROOF ACCESSORIES: SPECIFICATION SECTION 077200

ROOF HATCH: BASIS OF DESIGN: BILCO TYPE "S-507B" ENHANCED PERFORMANCE ALUMINUM ROOF HATCH WITH INSULATION CURB LINER.
WOOD TILE: BASIS OF DESIGN: BISON WOOD TILE.
PEDISTALS: BASIS OF DESIGN: BUZON PEDISTAL ASSEMBLY. COMPLY WITH REQUIRED WIND UPLIFT.

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 OR PRE-APPROVED EQUAL.
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.
TRAFFIC RATED SEALANT: SINGLE-COMPONENT, NONSAG, TRAFFIC-GRADE URETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 25.

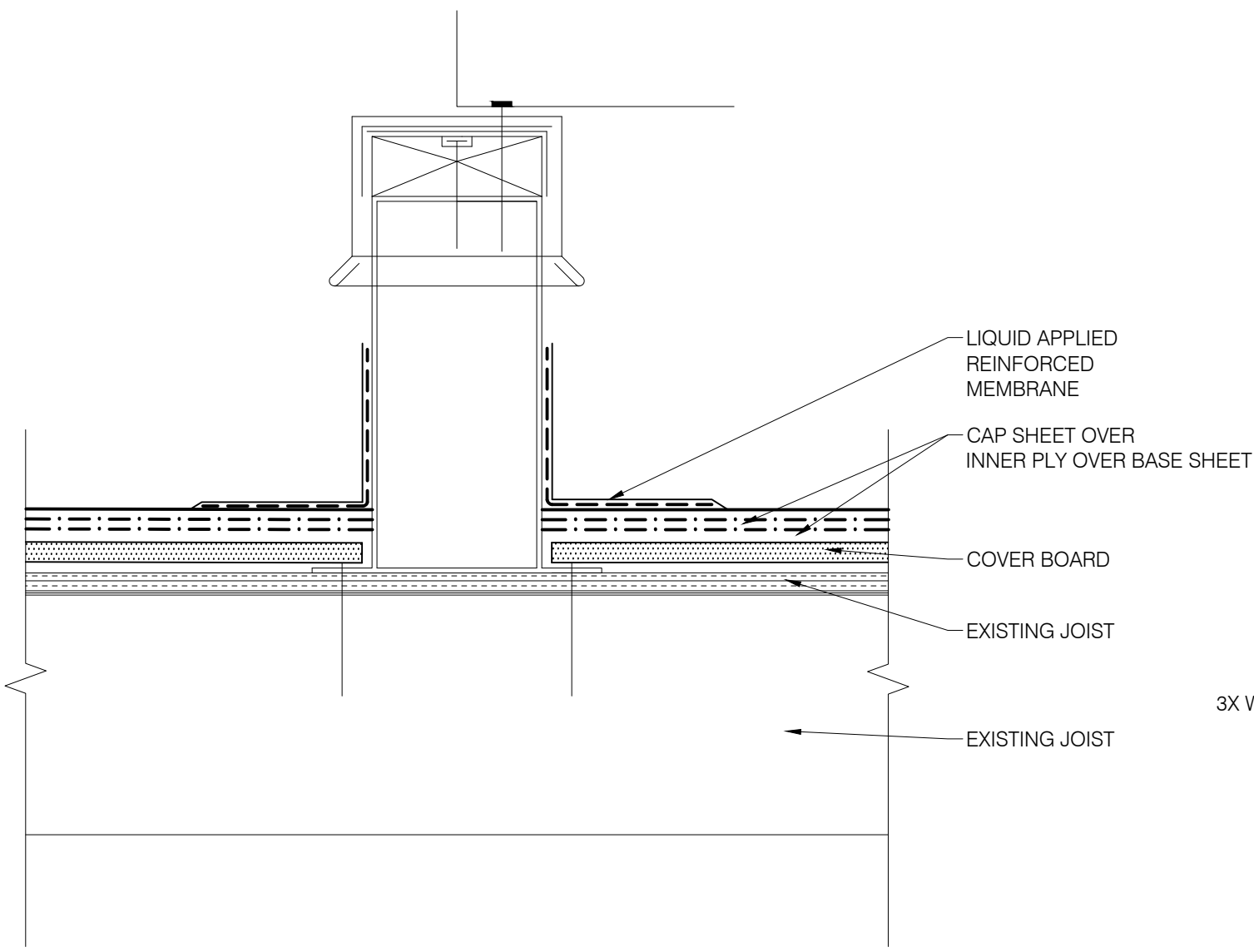
CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
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EXTERIOR DECK AND ROOFING
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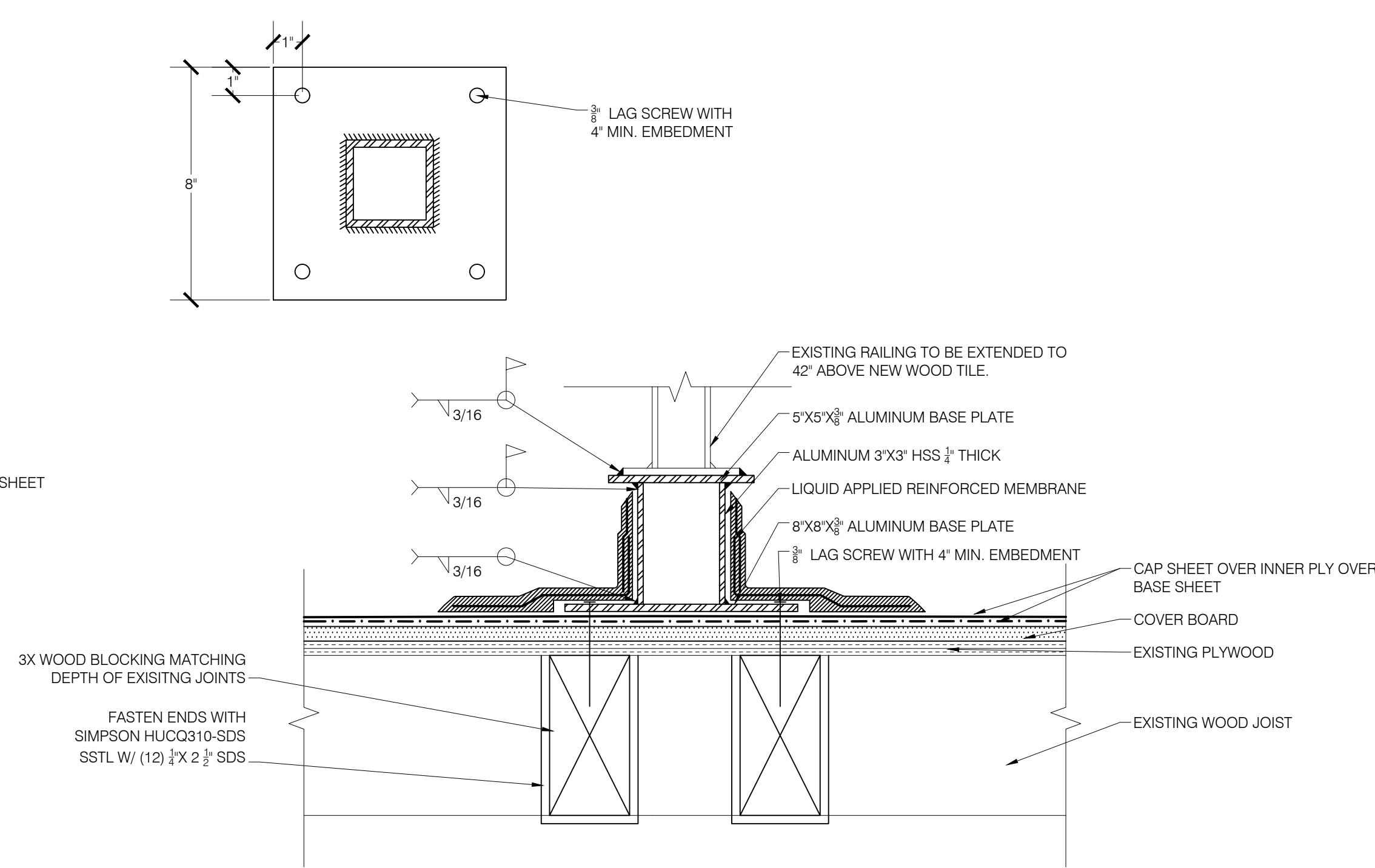
REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: NHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BD DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

ROOF REPLACEMENT DETAILS
A3.4
PLOT: 3"=1' SHEET

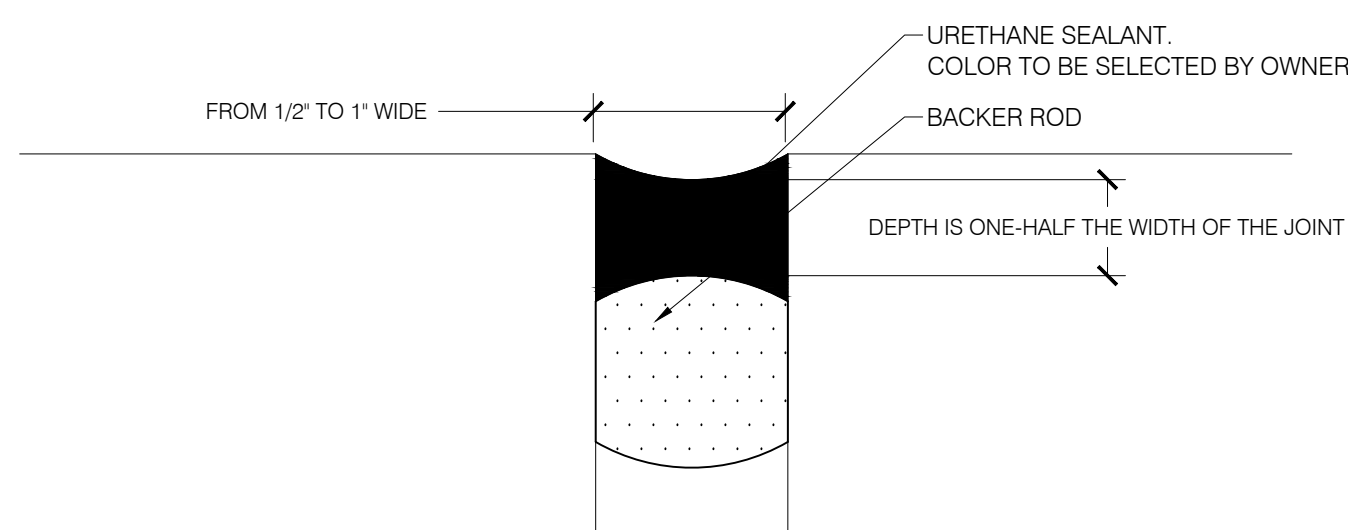
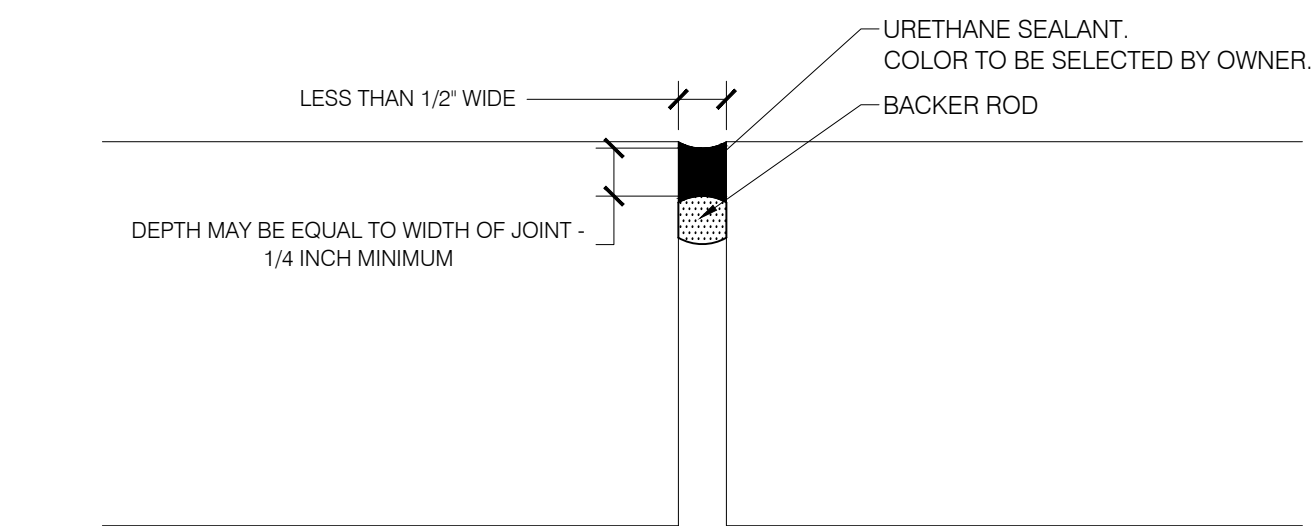


A EQUIPMENT STAND FLASHING
A-3.5 SCALE: NTS

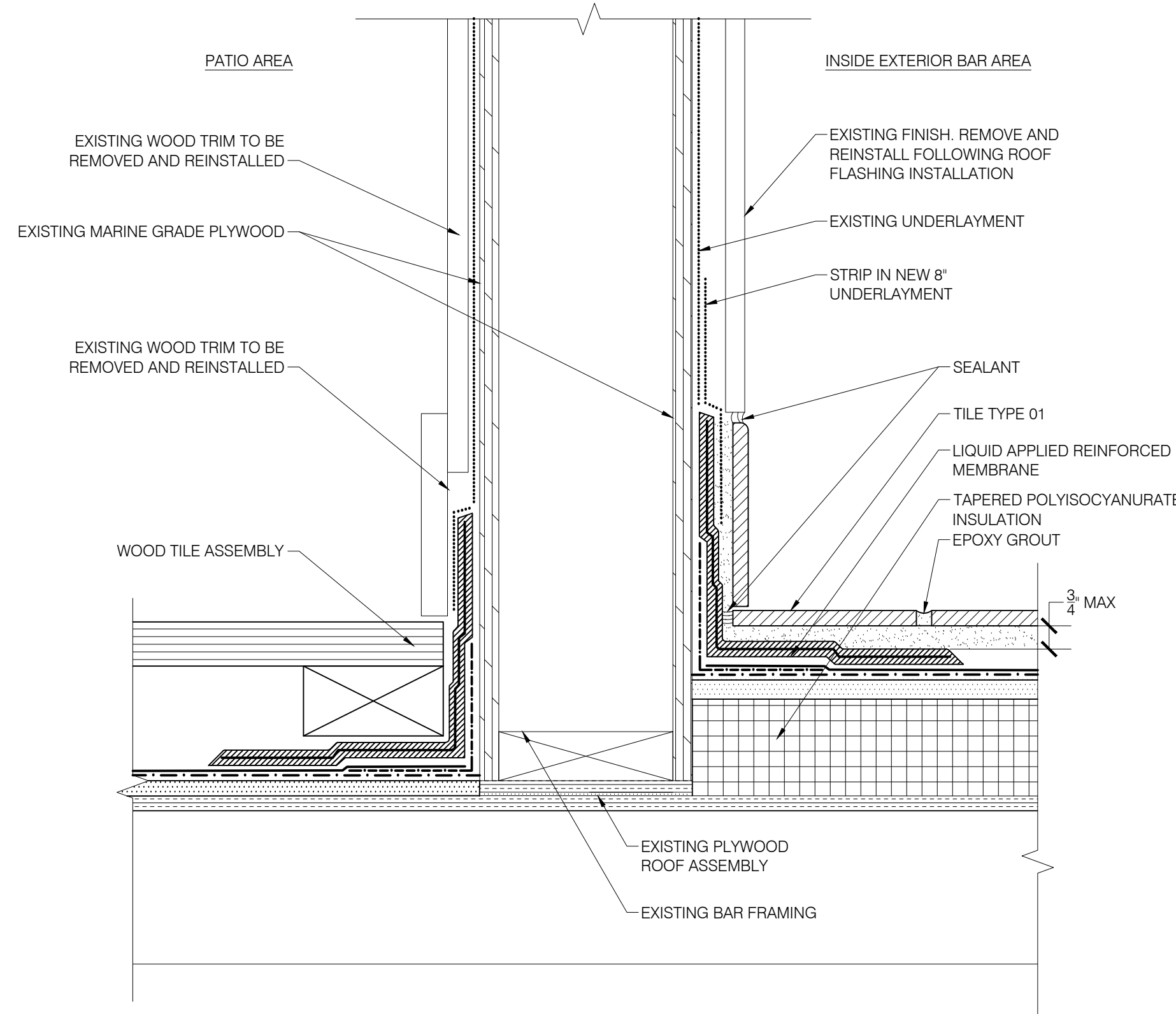


B MIDRAIL POST EXTENSION DETAIL
A-3.5 SCALE: NTS

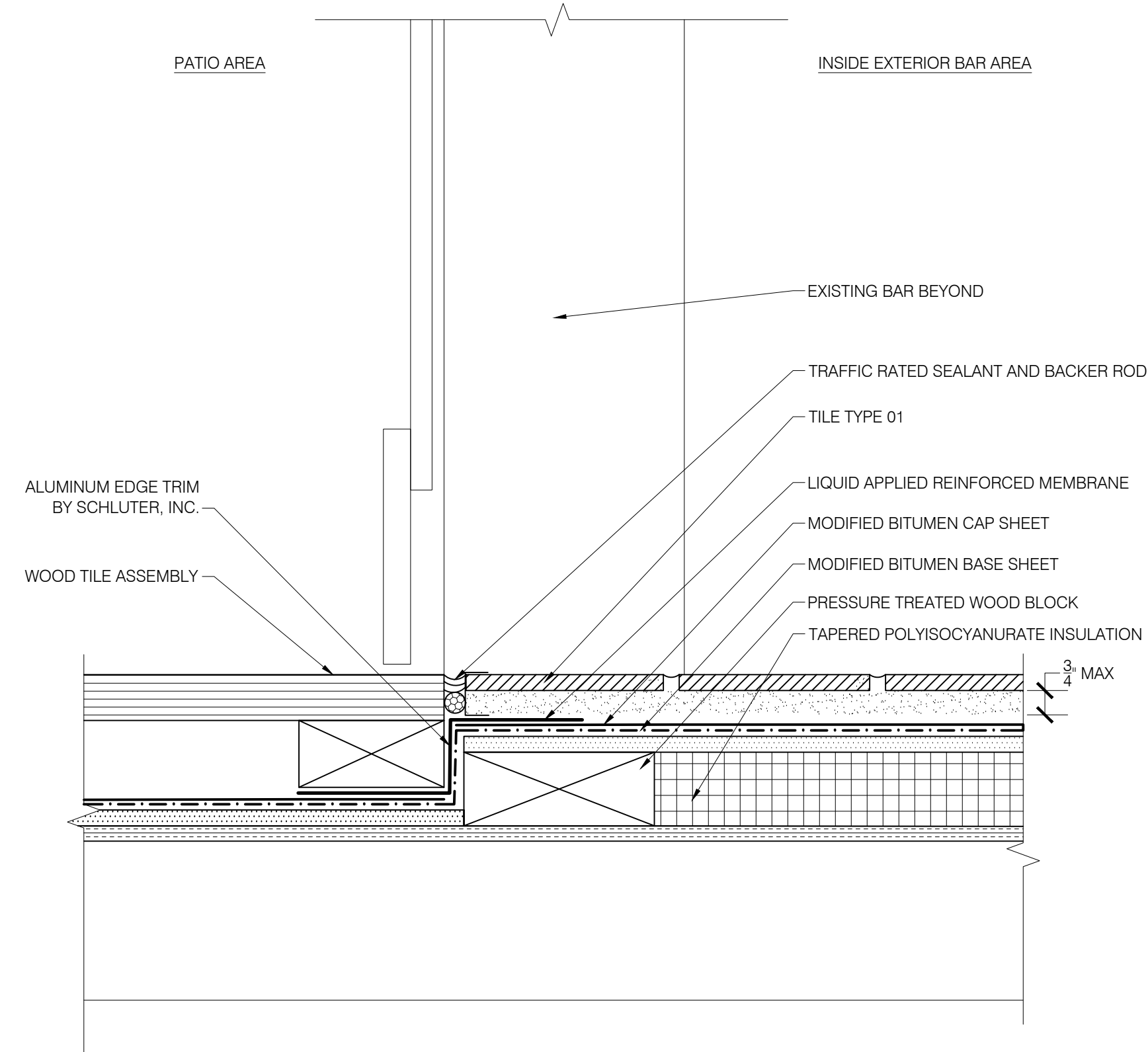
- NOTES:
1. FOR ALL DYNAMIC JOINTS SMALLER THAN 1/4 INCH WIDE, CONSULT MANUFACTURER FOR RECOMMENDATIONS.
 2. THE MINIMUM DEPTH OF SEALANT IS TO BE 1/4 INCH.
 3. CONSULT MANUFACTURER FOR RECOMMENDATIONS ON JOINTS GREATER THAN 1 INCH WIDE.



C TYP. SEALANT JOINT DETAILS
A-3.5 SCALE: NTS



D SECTION AT BAR
A-3.5 SCALE: NTS



E TRANSITION AT BAR
A-3.5 SCALE: NTS

MATERIAL COMPONENT SCHEDULE

ROUGH CARPENTRY SPECIFICATION SECTION 061000
FRT WOOD BLOCKING: FIRE RETARDANT LUMBER.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216

BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.

BASE FLASHING - OUTER PLY: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 135 MILS THICK.

CANT STRIP: FIBERBOARD CANT FULLY ADHERED TO SUBSTRATES IN COLD MODIFIED BITUMINOUS ADHESIVE.

COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278. BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG.

DRAINAGE MAT: TWO PART PREFABRICATED SHEET AND PROTECTION BOARD CONSISTING OF A FORMED POLYPROPYLENE CORE COVERED ON ONE SIDE WITH A WOVEN POLYPROPYLENE FILTER FABRIC. BASIS OF DESIGN: "PARADRAIN" BY SIPLAST.

GROUT: BASIS OF DESIGN: "KERAPOXY CO" BY MAPEI.

LIQUID-APPLIED REINFORCED MEMBRANE: THREE COAT LIQUID APPLIED REINFORCED FLASHING SYSTEM WITH FIBERGLASS FABRIC APPROVED BY ROOFING MEMBRANE MANUFACTURER.

MODIFIED BITUMEN BASE PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 1): SBS GRANULATED SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 138 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 2 & 3): SBS SANDED SURFACED MODIFIED BITUMEN, ASTM D 6162, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 154 MILS THICK.

PROTECTION BOARD: 1/2" ASPHALT IMPREGNATED PROTECTION BOARD. BASIS OF DESIGN: "W.R. MEADOWS PROTECTION BOARD".

RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, MIN. 25 PSI, 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.

ROOF TRAFFIC PADS: SBS MODIFIED BITUMEN WITH GRANULATED SURFACE, ASTM D 6163, TYPE 2, WITH COLOR CONTRAST TO THE CAP SHEET. COLOR TO BE SELECTED BY OWNER. TORCH APPLIED OVER PRIMED CAP SHEET, MIN. 200 MILS THICK.

SELF-ADHERED UNDERLAYMENT: GCP APPLIED TECHNOLOGIES GRACE ULTRA OR PRE-APPROVED EQUAL, HIGH TEMPERATURE, MIN. 280 DEGREES F., .030" THICK, SELF-ADHERED BUTYL BASED MEMBRANE ASTM D1204, ADHERED OVER PRIMED SUBSTRATE BELOW.

TILE TYPE 01: MIN. 6'X6' ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL.

TILE TYPE 02: 12'X48' ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL. BASIS OF DESIGN: HANOVER PORCELAIN PAVERS - WOOD COLLECTION BY HANOVER ARCHITECTURAL PRODUCTS.*

FLASHING AND SHEET METAL SPECIFICATION SECTION 078200

METAL CLEAT: .060 ALUMINUM.

METAL COUNTERFLASHING: .060 ALUMINUM.

METAL EDGE: .060 ALUMINUM.

METAL SKIRT FLASHING: .060 ALUMINUM.

METAL TRIM FLASHING: .060 ALUMINUM.

ONE-PIECE TRANSITION FLASHING: .060 ALUMINUM.

TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL.

SHEET METAL FASTENERS: ALL SHEET METAL FLASHINGS TO BE .040 ALUMINUM.

ROOF ACCESSORIES: SPECIFICATION SECTION 077200

ROOF HATCH: BASIS OF DESIGN: BILCO TYPE 'S-507B' ENHANCED PERFORMANCE ALUMINUM ROOF HATCH WITH INSULATION CURB LINER.

WOOD TILE: BASIS OF DESIGN: BISON WOOD TILE.

PEDISTALS: BASIS OF DESIGN: BUZON PEDISTAL ASSEMBLY. COMPLY WITH REQUIRED WIND UPLIFT.

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, 11-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS OR PRE-APPROVED EQUAL.

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.

TRAFFIC RATED SEALANT: SINGLE-COMPONENT, NONSAG, TRAFFIC-GRADE URETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 25.

CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
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REVISIONS			
NUMBER	TYPE	DATE	

DRAWN BY: JNHR PROJECT NUMBER: 19-020
APPROVED BY: JJA PHASE: BD DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

ROOF REPLACEMENT
DETAILS
A3.5
PLOT: 3"=1' SHEET

MATERIAL COMPONENT SCHEDULE

ROUGH CARPENTRY SPECIFICATION SECTION 061000
FRT WOOD BLOCKING: FIRE RETARDANT LUMBER.

MODIFIED BITUMEN ROOFING SPECIFICATION SECTION 075216

BASE FLASHING - INNER PLY: SBS SMOOTH MODIFIED BITUMEN, ASTM D 6163, TYPE 1, SELF-ADHERED OVER SUBSTRATE BELOW, MINIMUM 90 MILS THICK.

BASE FLASHING - OUTER PLY: SBS GRANULE SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 135 MILS THICK.

CANT STRIP: FIBERBOARD CANT FULLY ADHERED TO SUBSTRATES IN COLD MODIFIED BITUMINOUS ADHESIVE.

COVER BOARD: 1/2" FIBER-REINFORCED ROOF BOARD, ASTM C 1278, BASIS OF DESIGN: "SECUROCK GYPSUM-FIBER ROOF BOARD" MANUFACTURED BY USG

DRAINAGE MAT: TWO PART PREFABRICATED SHEET AND PROTECTION BOARD CONSISTING OF A FORMED POLYPROPYLENE CORE COVERED ON ONE SIDE WITH A WOVEN POLYPROPYLENE FILTER FABRIC, BASIS OF DESIGN: "PARADRAIN" BY SIPLAST.

GROUT: BASIS OF DESIGN: "KERAPOXY GQ" BY MAPEI

LIQUID-APPLIED REINFORCED MEMBRANE: THREE COAT LIQUID APPLIED REINFORCED FLASHING SYSTEM WITH FIBERGLASS FABRIC APPROVED BY ROOFING MEMBRANE MANUFACTURER.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 1): SBS GRANULATED SURFACED MODIFIED BITUMEN, ASTM D 6163, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 138 MILS THICK.

MODIFIED BITUMEN CAP SHEET (ROOF TYPE 2 & 3): SBS SANDED SURFACED MODIFIED BITUMEN, ASTM D 6162, TYPE 2, TORCHED APPLIED OVER MEMBRANE BELOW, MINIMUM 154 MILS THICK.

PROTECTION BOARD: 1/2" ASPHALT IMPREGNATED PROTECTION BOARD, BASIS OF DESIGN: "W.R. MEADOWS PROTECTION BOARD".

RIGID INSULATION: POLYISOCYANURATE INSULATION, ASTM C 1289 TYPE 2, MIN. 25 PSI, 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.

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TILE TYPE 02: 12"x48" ANSI A137.1 CERAMIC TILE ADHERED TO ROOFING MEMBRANE WITH MAPEI ULTRA FLEX LFT MORTAR OR PRE-APPROVED EQUAL. BASIS OF DESIGN: HANOVER PORCELAIN PAVERS - WOOD COLLECTION BY HANOVER ARCHITECTURAL PRODUCTS.

FLASHING AND SHEET METAL SPECIFICATION SECTION 075200

METAL CLEAT: .060 ALUMINUM.

METAL COUNTERFLASHING: .060 ALUMINUM.

METAL EDGE: .060 ALUMINUM.

METAL SKIRT FLASHING: .060 ALUMINUM.

METAL TRIM FLASHING: .060 ALUMINUM.

ONE-PIECE TRANSITION FLASHING: .060 ALUMINUM.

TERMINATION BAR: 1/8" THICK X 1" WIDE STAINLESS STEEL

SHEET METAL FASTENERS: ALL SHEET METAL FLASHINGS TO BE .040 ALUMINUM.

ROOF ACCESSORIES: SPECIFICATION SECTION 077200

ROOF HATCH: BASIS OF DESIGN: BILCO TYPE "S-507B" ENHANCED PERFORMANCE ALUMINUM ROOF HATCH WITH INSULATION CURB LINER.

WOOD TILE: BASIS OF DESIGN: BISON WOOD TILE.

PEDISTALS: BASIS OF DESIGN: BUZON PEDISTAL ASSEMBLY. COMPLY WITH REQUIRED WIND UPLIFT.

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.

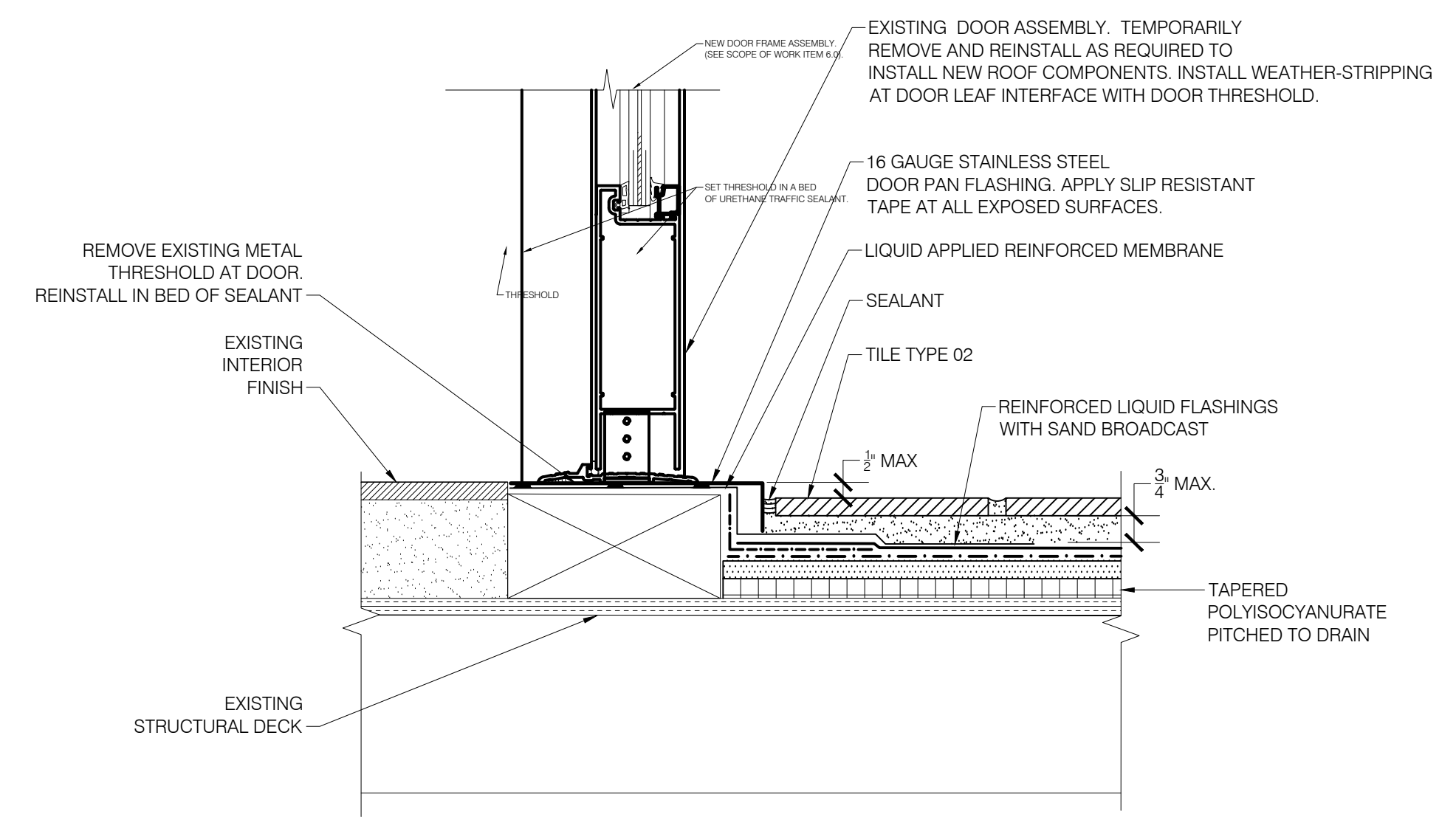
SILICONE SEALANT: SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT. APPLIED TO PRIMED SURFACES.

SEALANT TAPE: 1" WIDE BUTYL SEALANT TAPE, APPLIED BETWEEN METAL SURFACES AND UNDERLYING SURFACE.

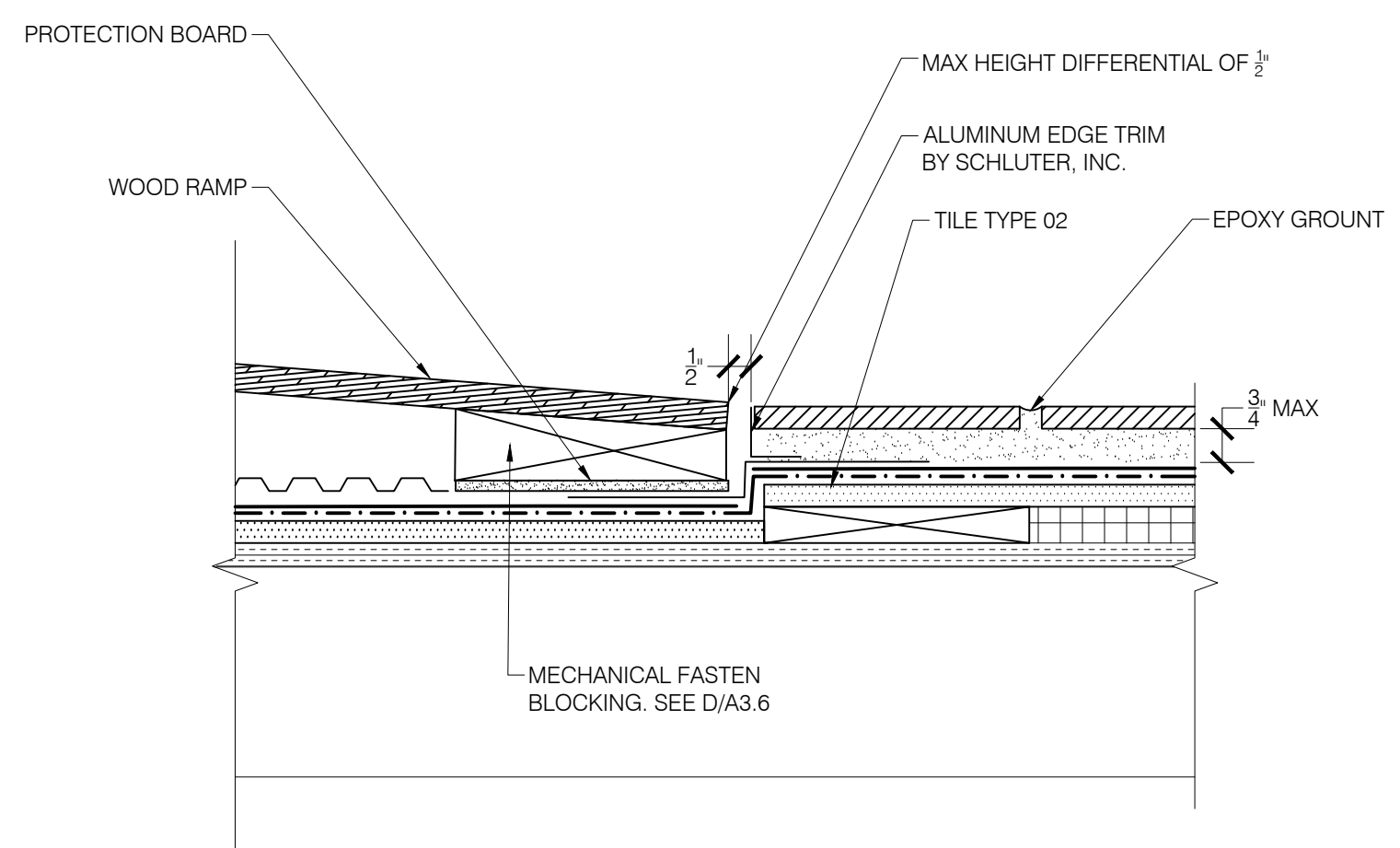
STRUCTURAL SEALANT: SINGLE-COMPONENT, MOISTURE CURING, GUN GRADE ADHESIVE, 11-1" MANUFACTURED BY CHEM LINK ENGINEERED SYSTEMS OR PRE-APPROVED EQUAL.

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.

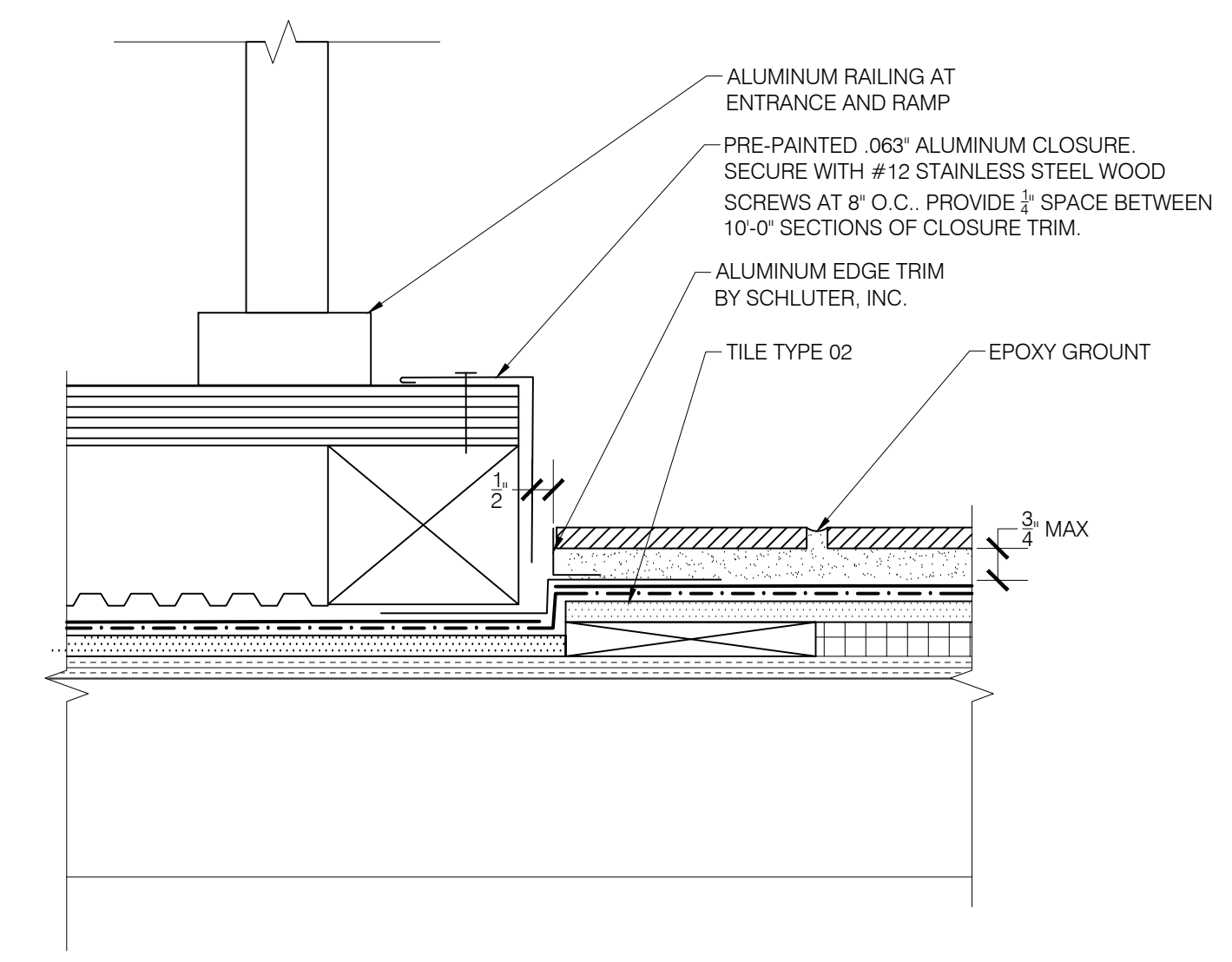
TRAFFIC RATED SEALANT: SINGLE-COMPONENT, NONSAG, TRAFFIC-GRADE URETHANE JOINT SEALANT, ASTM C 920, TYPE S, GRADE NS, CLASS 25.



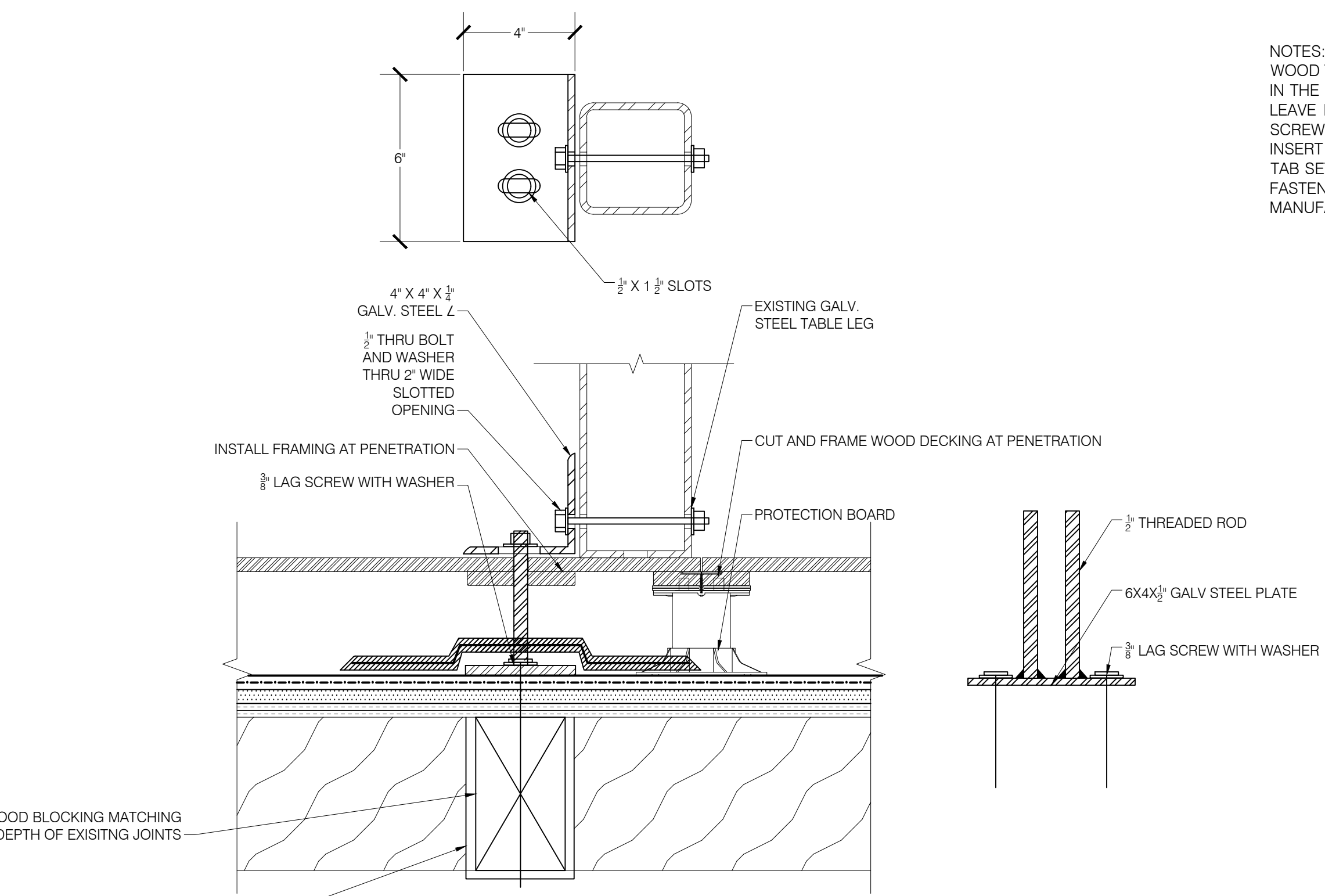
A SECTION AT DOOR THRESHOLD
 A-3.6 SCALE: NTS



B PROPOSED TABLE ATTACHMENT
 A-3.6 SCALE: NTS

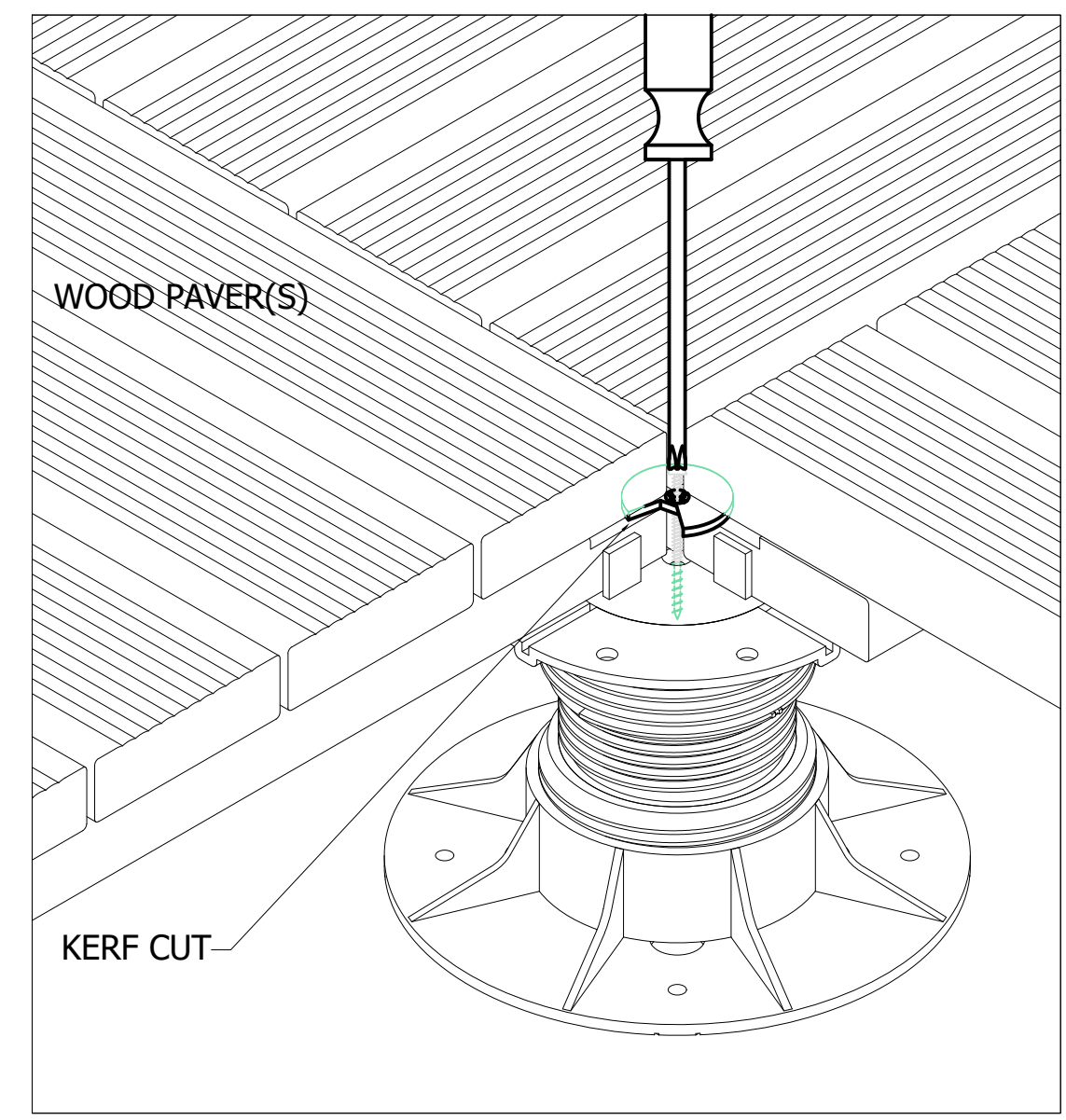


C TRANSITION AT BAR
 A-3.6 SCALE: NTS



D PROPOSED TABLE ATTACHMENT
 A-3.6 SCALE: NTS

NOTES:
 WOOD TILE ATTACHMENT: PLACE THE FS1 WASHER IN THE KERF CUT BETWEEN THE BOTTOM RAIL AND THE UPPER SLAT IN THE CORNERS OF THE THREE WOOD PAVERS. LEAVE THE NOTCH IN THE WASHER FACING OUTWARDS IN ORDER TO LEAVE ROOM TO PLACE THE 4th PAVER. AFTER ALL PAVERS ARE TIGHTLY IN PLACE, ROTATE THE WASHER USING A SCREWDRIVER SO THAT THE SOLID PART OF THE WASHER IS IN CONTACT WITH THE CORNERS OF ALL FOUR PAVERS. INSERT THE SCREW THROUGH THE HOLE IN THE CENTER OF THE WASHER AND THE PILOT HOLE IN THE CENTER OF THE TAB SET INTO THE TOP OF THE PEDESTAL. HAND TIGHTEN UNTIL THE CORNERS OF ALL FOUR PAVERS ARE SECURELY FASTENED TO THE PEDESTAL, DO NOT TO OVER-TIGHTEN. CONFIRM ALL INSTALLATION REQUIREMENTS WITH PEDISTAL MANUFACTURER.



E WOOD TILE ATTACHMENT
 A-3.6 SCALE: NTS

CONSTRUCTION DOCUMENTS
 CITY OF DAYTONA BEACH
 JOE'S CRAB SHACK
 DAYTONA BEACH, FLORIDA
 EXTERIOR DECK AND ROOFING
 REPLACEMENT PROJECT
 PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
 3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
 (407) 333-1977 • FAX: (407) 333-6686 • E-MAIL: JAY@JAYAMMON.COM

REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JNHR PROJECT NUMBER: 19-020
 APPROVED BY: JJA PHASE: BD DOCUMENTS
 ENGINEER: DATE: SEPTEMBER 25, 2019

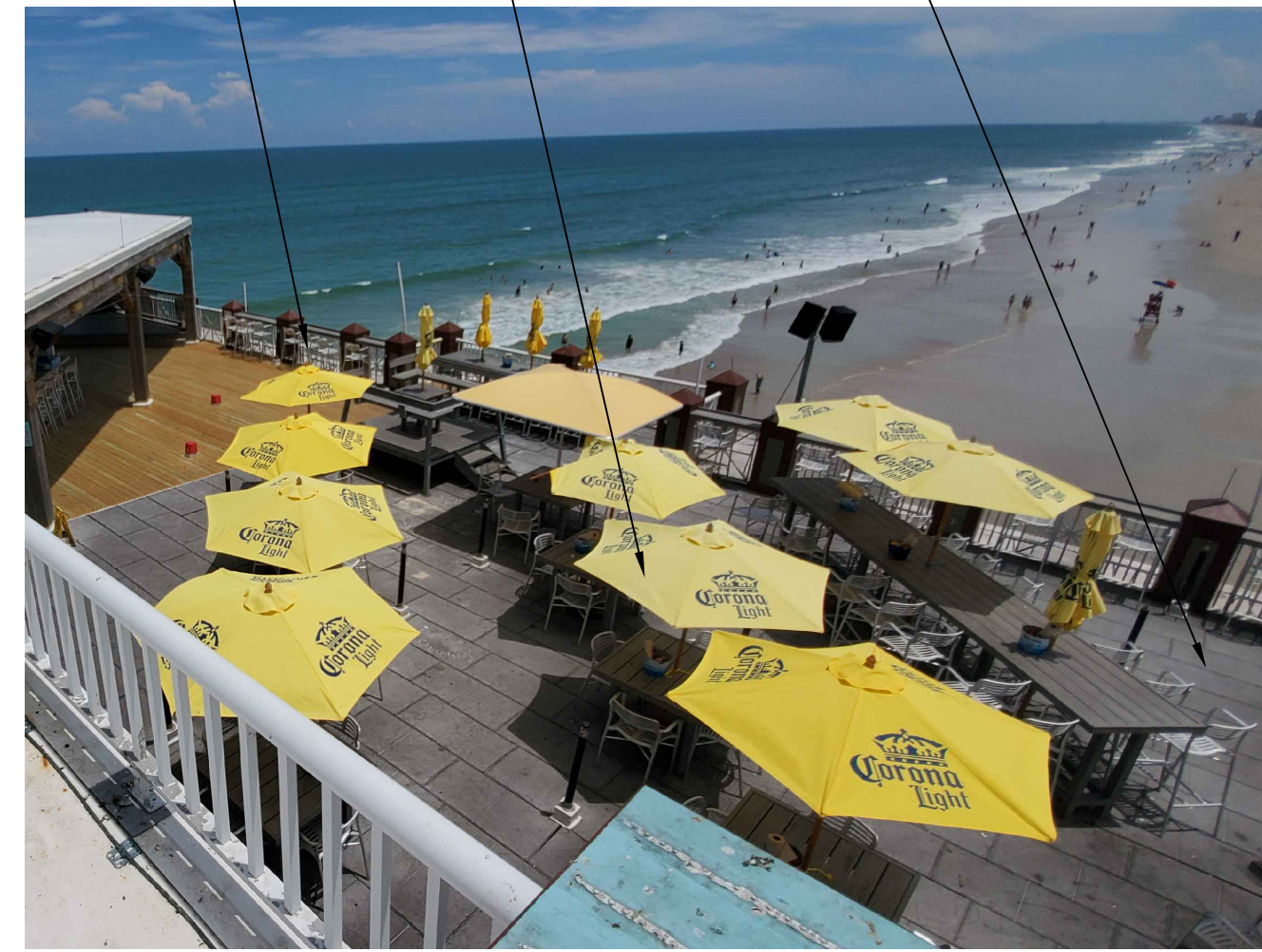
ROOF REPLACEMENT
 DETAILS
A3.6
 PLOT: 3"=1' SHEET



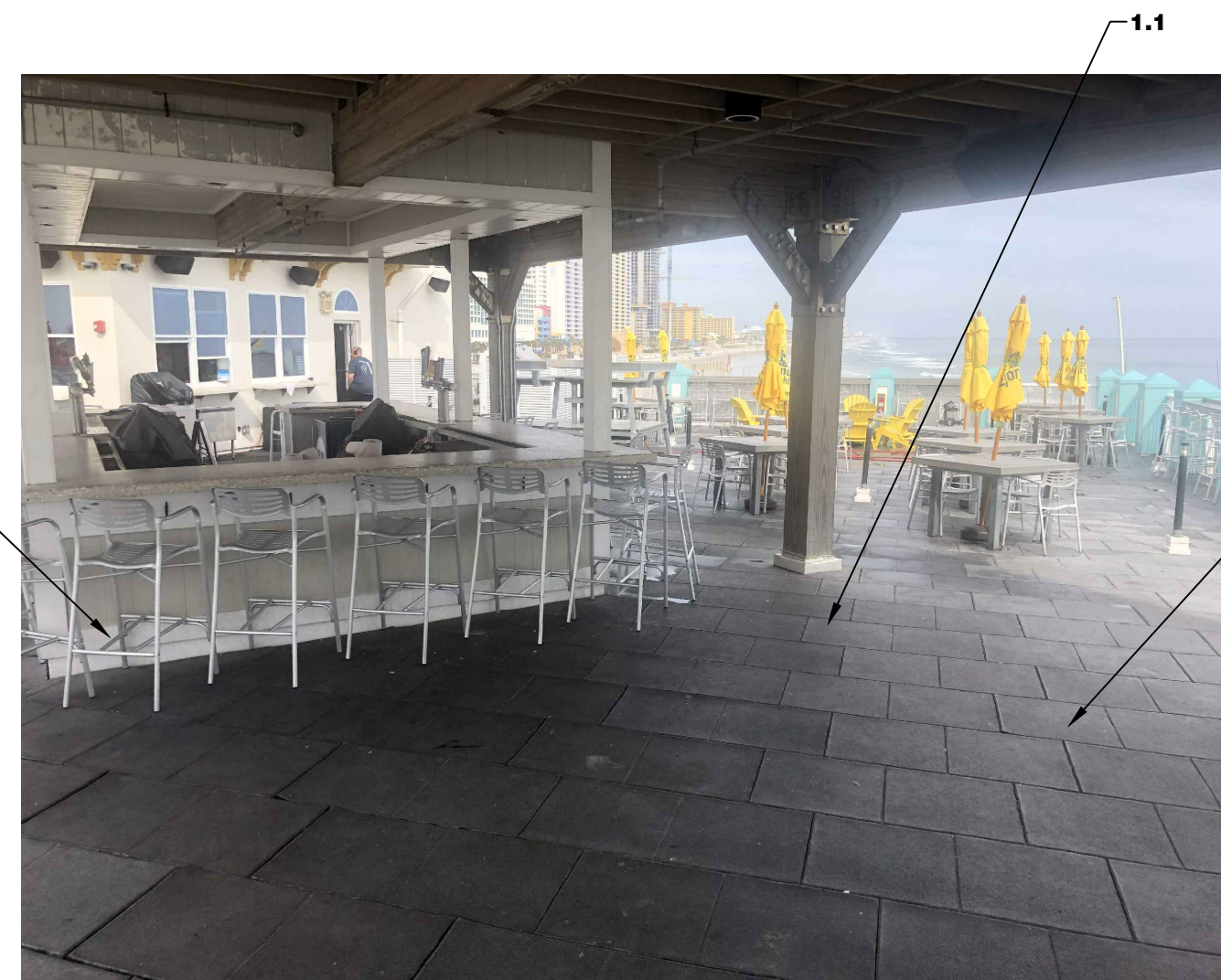
1 PHOTOGRAPH 1
A5.1



2 PHOTOGRAPH 2
A5.1



3 PHOTOGRAPH 3
A5.1



4 PHOTOGRAPH 4
A5.1



5 PHOTOGRAPH 5
A5.1



6 PHOTOGRAPH 6
A5.1



7 PHOTOGRAPH 7
A5.1



8 PHOTOGRAPH 8
A5.1

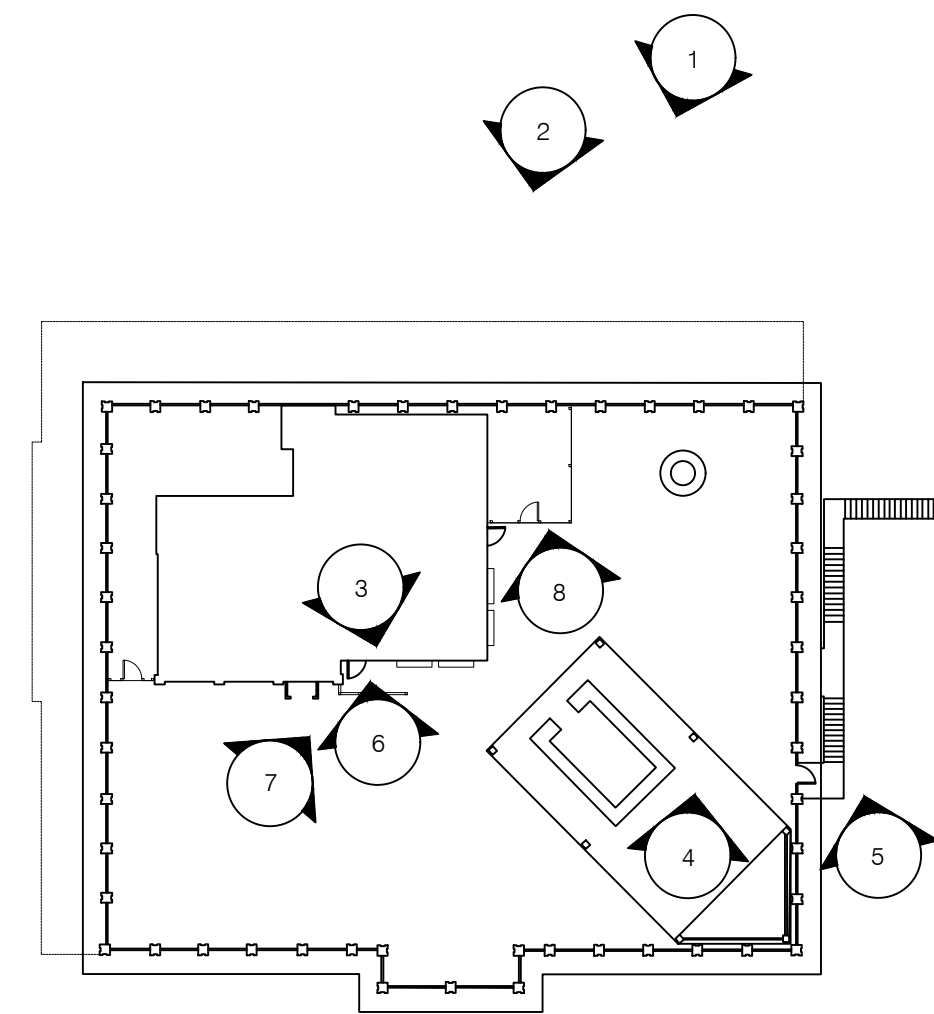


PHOTO LOCATION PLAN



PLAN NORTH

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVERY 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 A5.1, A5.2 AND A5.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REPLACEMENT: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATTS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE-PLY ROOF MEMBRANES, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRICKETS, METAL FLASHINGS, RELATED FASTENERS, AND CAKES.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING 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, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, ROOF VENTS, ELEVATED HVAC EQUIPMENT, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL, COMPONENTS TAG AND STORE. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED WIND FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A5.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 5/8" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZES AS REQUIRED TO ACCOMMODATE THE STRESS OF THE NEW ROOF SYSTEM. SECURE NEW BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN. MIN. 1/2" PER FOOT. NO PONDING WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND REPAIR/DAMAGE/REPLACE AS REQUIRED. REMOVE EXISTING MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 073216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND REPAIR/DAMAGE/REPLACE AS REQUIRED. REMOVE EXISTING MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MAT, PROTECTION BOARD AS NOTED, AND COMPOSITE WOOD DECKING WITH RUBBER SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ACCOMMODATE NEW ROOFING INSTALLATION. INSTALL WOOD RAMP AT ALL EXTERIOR EXIT AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGES. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 073216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND JUNCTIONS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SLOTTED EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 073216.

1.9 ROOF FLASHING: AT BASE FLASHINGS INCLUDING WALL AND WOOD RAILING POSTS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 1/4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND INTO THE VERTICAL. SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND EXTEND VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 073216.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATION. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 021403.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING FINISHES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1/4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 073216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S DETAILS. REINSTALL FRP PANEL SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING HULL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL CROWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:
3.1 WOOD COLUMN FLASHING: INSTALL ABRATION WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN. 1/8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION. INSTALL WITH APPROVED PROTECTIVE COATING. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENING LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS BY WITH TWO BEADS OF CONCEALED SEALANT WITHIN JOINT. SECURE COUNTER FLASHINGS WITH 2" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:
4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:
5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:
6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOO TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BILCO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:
7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:
8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASEPLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 073216.

9.0 EXTERIOR DOOR:
9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPING AROUND PERIMETER OF EXTERIOR DOORS.

10.0 TABLE INSTALLATION:
10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE, INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:
11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE, REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.

CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

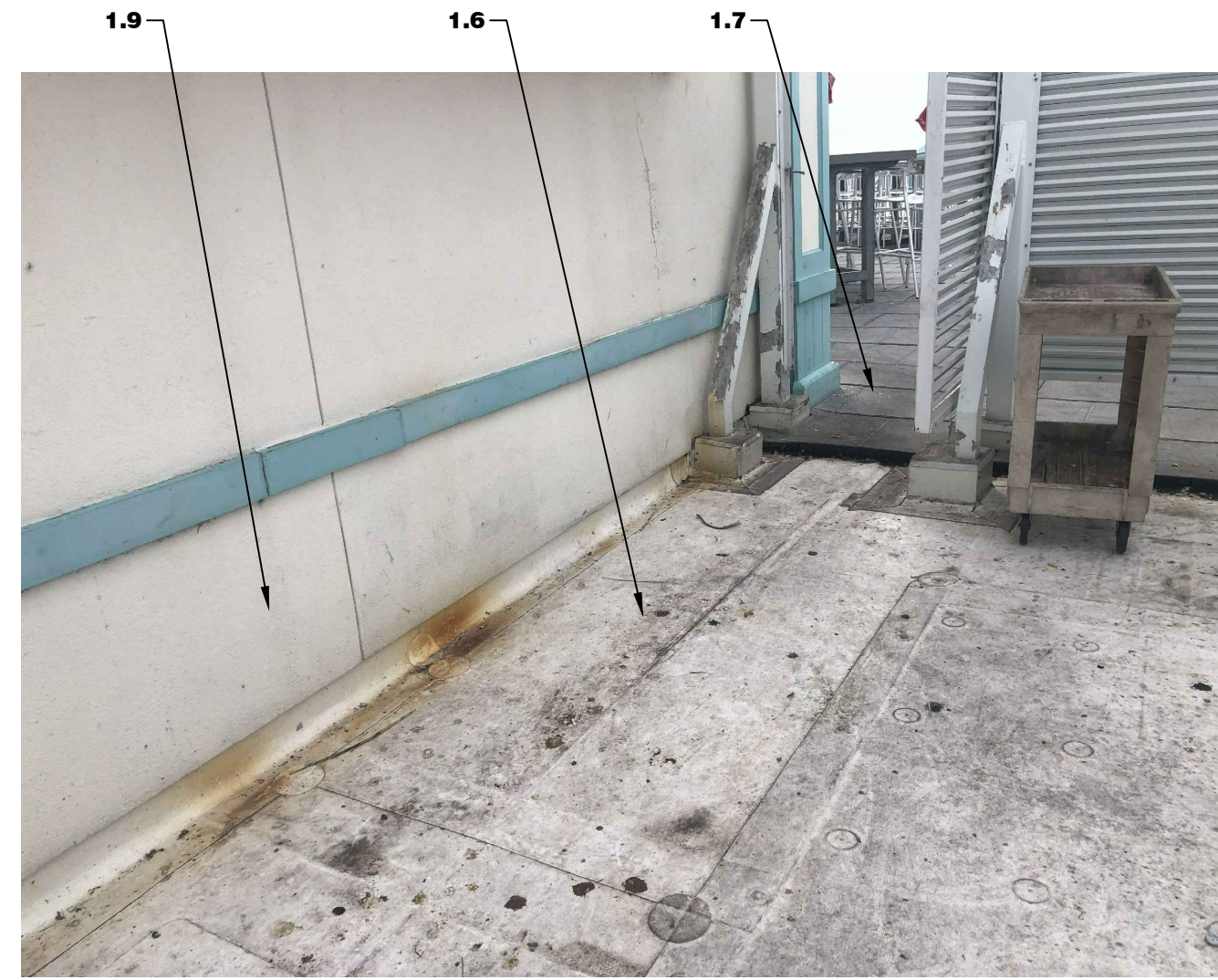
JAY AMMON ARCHITECT, INC.
3246 LAKEVIEW OAKS DRIVE • LONGWOOD, FLORIDA 32779
(407) 333-1977 • FAX: (407) 333-4686 • E MAIL: JAY@JAYAMMON.COM

REVISIONS		
NUMBER	TYPE	DATE

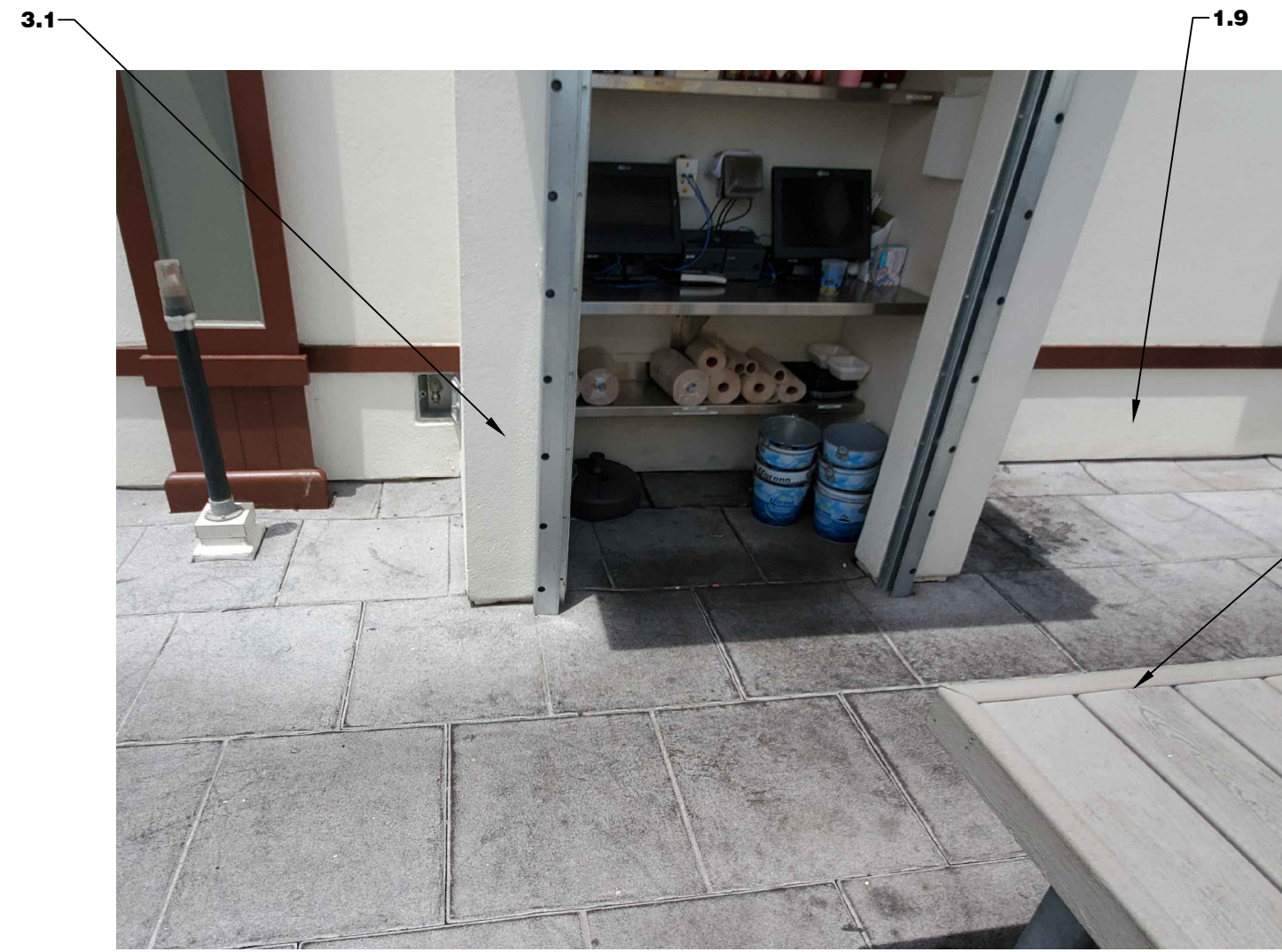
DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JEA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

PHOTOGRAPHS
A5.1

PLOT: 1/16" SHEET



1 PHOTOGRAPH 1
A5.2



2 PHOTOGRAPH 2
A5.2



3 PHOTOGRAPH 3
A5.2



4 PHOTOGRAPH 4
A5.2



5 PHOTOGRAPH 5
A5.2



6 PHOTOGRAPH 6
A5.2



7 PHOTOGRAPH 7
A5.2



8 PHOTOGRAPH 8
A5.2

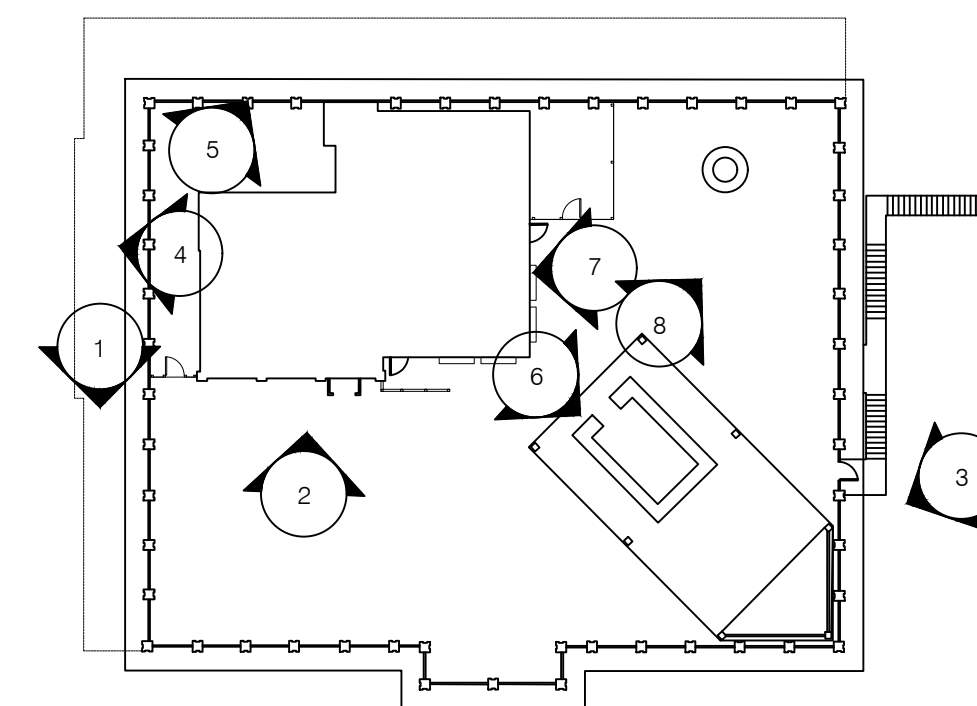


PHOTO LOCATION PLAN



PLAN NORTH

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH INCLUDES THE FULL REPLACEMENT AND RECOVER 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 DENOATED/ CALLED OUT IN THE DRAWINGS. SEE SHEETS A5.1, A5.2 AND A5.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD DECK. REMOVE DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATTS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE-PLY ROOF MEMBRANES, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRICKETS, METAL FLASHINGS, RELATED FASTENERS, AND CANTS.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING 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, ANTENNAE, SECURITY CAMERAS, ROOF MOUNTED LIGHTS, POWER VENTS, ELEVATED HVAC EQUIPMENT, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS. TAG AND STORE. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE FULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED WIND FOR EACH ROOF WIND ZONE. SUBMIT THE FULL TEST RESULTS AND THE ENGINEER COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE 4.2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 5/8" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZES AS REQUIRED TO ACCOMMODATE THE THICKNESS OF THE NEW WOOD DECKING WITH NEW WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO FIT TO ROOF TO DRAIN. MIN. 1/2" PER FOOT. NO PONDING WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MEMBRANE MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MEMBRANE MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A Sanded SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MAT, PROTECTION BOARD AS NOTED, AND COMPOSITE WOOD DECKING WITH REBbed SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ROOF INSTALLATION. INSTALL WOOD RAMP AT ADA ENTRANCE EXIT AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO FIT TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MEMBRANE MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MEMBRANE MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND DRAIN INSTALLATION. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SLOTTED EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.

1.9 ROOF FLASHING: AT BASE FLASHINGS INCLUDING WALL AND WOOD RAILING POSTS. REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 1"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND ONTO THE VERTICAL. SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND EXTEND VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 075216.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATION. SEE ROOF PLAN AND DRAIN SCHEDULE FOR LOCATION AND DRAIN TYPE. INSTALL 2x8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 221403.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESEAL ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1"x4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:
3.1 WOOD COLUMN FLASHING: INSTALL ABATRON WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN. 8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION REQUIREMENTS. WITH APPROVED UPLIFTER. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENING LOCATION POINTS. AT LAP OVERLAP SECTIONS 8" WITH TWO BEADS OF CONCEALED SEALANT WITHIN JOINT. SECURE COUNTER FLASHINGS WITH 2" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:
4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:
5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:
6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOU TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BILCO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:
7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:
8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASEPLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.

9.0 EXTERIOR DOOR:
9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPING AROUND PERIMETER OF EXTERIOR DOORS.

10.0 TABLE INSTALLATION:
10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE. INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:
11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE. REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.

CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

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: JHR PROJECT NUMBER: 19-020
APPROVED BY: JJA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

PHOTOGRAPHS

PLOT: 1/4" = 1'-0" SHEET A5.2

SCOPE OF WORK:

0.0 GENERAL: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH INCLUDES THE FULL REMOVAL AND REPAIR 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 DENOATED/ CALLED OUT IN THE DRAWINGS. SEE SHEETS A-5.1, A-5.2 AND A-5.3 FOR ADDITIONAL SCOPE OF WORK ITEMS. SEE A7.1 FOR ADDITIONAL SCOPE OF WORK.

1.0 ROOFING REPLACEMENT:

1.1 ROOFING REMOVAL: REMOVE THE EXISTING ROOF SYSTEM DOWN TO THE TOP SURFACE OF THE EXISTING SLOPED STRUCTURAL WOOD. REMOVE ANY DAMAGED OR DETERIORATED WOOD DECK. THE ROOFING COMPONENTS TO BE REMOVED INCLUDE, BUT ARE NOT LIMITED TO ALL EXISTING RUBBER MATTS, WOOD DECKING, CERAMIC TILE, DECK LIGHTING, SINGLE-PLY ROOF MEMBRANES, PLYWOOD SUBSTRATE, ORIGINAL ROOF MEMBRANE, RIGID POLYISOCYANURATE INSULATION, CRICKETS, METAL FLASHINGS, RELATED FASTENERS, AND CRACKS.

1.2 TEMPORARY REMOVAL AND STORAGE AND REINSTALLATION: TEMPORARILY REMOVE THE FOLLOWING 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, FIRE PIT, WOOD STAGE, METAL RAILINGS, TABLES, PARTITION FENCES AND SCREEN WALLS AND OTHER MISCELLANEOUS ELECTRICAL COMPONENTS, TAG AND STORE. REINSTALL EXISTING COMPONENTS AFTER THE INSTALLATION OF NEW ROOFING ASSEMBLY COMPONENTS.

1.3 NOT USED

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED WIND LOAD FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-2.2 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVEMENT/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW 5/8" MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZES AS REQUIRED TO ACCOMMODATE THE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW WOOD SCREWS AT 6" O.C. TO EXISTING STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN. MIN. 1/2" PER FOOT. NO PONDING WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.6 NEW ROOF TYPE 1: MODIFIED BITUMEN ROOFING MEMBRANE WITH WALKPADS: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT AND TRASH CHUTE. SEE SPECIFICATION SECTION 075216.

1.7 NEW ROOF TYPE 2: MODIFIED BITUMEN ROOFING MEMBRANE WITH WOOD TILE OVERBURDEN: PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A SANDED SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. FLASH ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED FLASHING. INSTALL DRAINAGE MATT, PROTECTION BOARD AS NOTED, AND COMPOSITE WOOD DECKING WITH REBSED SURFACE FOR ANTI-SLIP REQUIREMENTS. REMOVE AND REINSTALL DIAMOND PLATE AT EXTERIOR STAIR LANDING TO ACCOMMODATE ROOF INSTALLATION. INSTALL WOOD RAMP AT ADA ENTRANCE/EXIT AND ROOF FIRE ESCAPE TO ACCOMMODATE NEW LEVEL CHANGE. PROVIDE ENGINEERED SHOP DRAWINGS FOR RAMP AND RAILINGS. SEE SPECIFICATION SECTION 075216.

1.8 NEW ROOF TYPE 3: MODIFIED BITUMEN ROOFING MEMBRANE WITH TILE OVERBURDEN: INSTALL WOOD BLOCKING AND TAPERED POLYISOCYANURATE TO PITCH TO DRAIN. PRIME COVER BOARD AS REQUIRED BY ROOF MANUFACTURER AND ADHERE ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN BASE SHEET OVER THE NEW COVER BOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN CAP SHEET OVER BASE PLY PER ROOF MANUFACTURER'S RECOMMENDATIONS. INSTALL TILE TYPE 01 OR TYPE 02 (ANSI A137.1) WITH COVE BASE ADHERED TO CAP SHEET WITH APPROVED SETTING BED. GROUT JOINTS WITH AN APPROVED EPOXY GROUT. INSTALL EXPANSION/SEALANT JOINT AT ALL FLASHINGS AND DRAINS. INSTALL EXPANSION JOINTS AT 10' O.C. INSTALL SHOULDER EDGE PROFILE AT EXPOSED EDGES. PROVIDE 1/2" GAP BETWEEN TILE AND WOOD FLOORING. NO MORE THAN 1/2" HEIGHT DIFFERENTIAL BETWEEN TILE AND ADJACENT WALKING SURFACE AT PATH OF EGRESS. SEE SPECIFICATION SECTION 075216.

1.9 ROOF FLASHING: AT BASE FLASHINGS INCLUDING WALL AND WOOD RAILING POSTS. REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW 5/8" MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 1/4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND INTO THE VERTICAL. SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 6" VERTICALLY AT THE EXISTING DOOR THRESHOLDS. REMOVE EXISTING METAL PLATE TO ALLOW FOR WATERPROOFING TO EXTEND IN AND EXTEND VERTICALLY AT JAMBS. REINSTALL THRESHOLD IN BED OF SEALANT AND SEAL PERIMETERS WITH SEALANT. SEE SPECIFICATION SECTION 075216.

2.0 ROOF DRAINAGE COMPONENTS: REMOVE EXISTING ROOF DRAINS AND INSTALL NEW ROOF DRAINS. SECONDARY DRAINS AND FLOOR SINKS. INSTALL DRAINS PER DRAIN MANUFACTURER'S RECOMMENDATIONS. AT NEW DRAIN LOCATIONS, CONNECT DRAIN LINE TO EXISTING STORM DRAIN AND FLOOR SINK TO EXISTING SANITATION LINES. EXISTING ROOF DRAIN LINES TO BE RELOCATED AS NECESSARY TO BE 18" FROM EXISTING WALLS OR CURBS. PRIME AND FLASH ALL DRAINS PER ROOFING MANUFACTURER'S SPECIFICATION. SEE ROOF PLAN FOR LOCATION AND DRAIN TYPE. INSTALL 2X8 PRESSURE TREATED WOOD FRAMING WITH SIMPSON TIES TO SUPPORT NEW DRAINS. SEE SPECIFICATION SECTION 221403.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIPRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 WALL PANELS: REMOVE STUCCO TO EXISTING CONTROL JOINT. REMOVE EXISTING CONTROL JOINT ACCESSORY. INSTALL 1/4" FURRING STRIPS AND SHIP LAPPED SIDING MATCHING THE NEW DECK. EXTEND BELOW HEIGHT OF THE PROPOSED DECKING. SEE SPECIFICATION SECTION 075216.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AT FULL PERIMETER OF THE EXISTING RAILING POSTS AND REPLACE FOLLOWING FLASHING INSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". WELD AN EXTENSION AT THE MID-RAILING POST FOR ROOF ATTACHMENT AND FLASHING.

2.4 SERVER STATION: REMOVE AND STORE EXISTING ROLL DOWN GATE. PATCH EXISTING FLASHING. REINSTALL ROLL DOWN GATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS TO MEET WIND REQUIREMENTS.

3.0 WOOD COLUMN:

3.1 WOOD COLUMN FLASHING: INSTALL ABATRON WOOD-E-POX OR PRE-APPROVED EQUAL AT ANY OPEN JOINTS AND SPLITS AT THE BOTTOM 12" AT BASE OF COLUMN. INSTALL TYPICAL REINFORCED LIQUID APPLIED FLASHING ONTO WOOD MIN. 8" VERTICALLY. PREPARE SURFACE PER MANUFACTURER'S INSTALLATION REQUIREMENTS WITH APPROVED PRIMER. INSTALL SURFACE APPLIED COUNTER FLASHING AROUND FULL PERIMETER OF COLUMN. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTER FLASHING AT FASTENER LOCATION POINTS. AT LAP JOINTS, OVERLAP SECTIONS 6" WITH TWO BEADS OF CONCEALED SEALANT WITHIN JOINT. SECURE COUNTER FLASHINGS WITH 2" STAINLESS STEEL WOOD SCREWS WITH EPDM WASHERS AT 6" O.C. PRIME ALUMINUM AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER REQUIREMENTS. COLUMN SURFACE TO BE SEALED AND COVERED BY OTHERS.

4.0 BAR PIPE PENETRATIONS:

4.1 PIPE PENETRATION RELOCATION: PIPE PENETRATIONS ARE TO BE RELOCATED MIN. 3" FROM FACE OF WALL SURFACE TO FULLY SEAL PENETRATION WITH REINFORCED LIQUID MEMBRANE PER ROOFING MANUFACTURER'S APPROVED INSTALLATION DETAIL.

5.0 LIGHTNING PROTECTION COMPONENTS:

5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL CORNERS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

6.0 TRASH CHUTE HATCH:

6.1 TRASH CHUTE HATCH REPLACEMENT: REMOVE EXISTING TRASH CHUTE HATCH AND INSTALL NEW BILOU TYPE 3 ALUMINUM ROOF HATCH. INSTALL NEW ALUMINUM LATCHING HARDWARE BY BILCO AT ROOF HATCH.

7.0 BOLLARD LIGHTS:

7.1 BOLLARD LIGHT INSTALLATION: REMOVE AND DISPOSE OF EXISTING BOLLARD LIGHT FIXTURES. NEW LIGHT FIXTURE ARE TO BE INSTALLED AS APPROVED BY OWNER. LOCATE JUNCTION BOXES AS NECESSARY AT THE UNDERSIDE OF THE DECK TO SUPPLY REQUIRED POWER. ELECTRICAL LINES SHOULD PENETRATE THE DECK USING A NON-FLEXIBLE CABLE. SEAL PENETRATIONS PER ROOF MANUFACTURER'S MANUFACTURER'S SPECIFICATION. NEW LIGHT TO BE ATTACHED TO NEW ROOF DECK SURFACE.

8.0 SCREEN WALL:

8.1 REMOVE AND REINSTALL SCREEN WALL: REMOVE SCREEN WALL FLASHING AND EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. REMOVE EXISTING ROOF AND SUBSTRATE UP TO EDGE OF BASEPLATE. PLYWOOD AND MEMBRANE EXTENDING UNDERNEATH TO REMAIN. SEE SPECIFICATION SECTION 075216.

9.0 EXTERIOR DOOR:

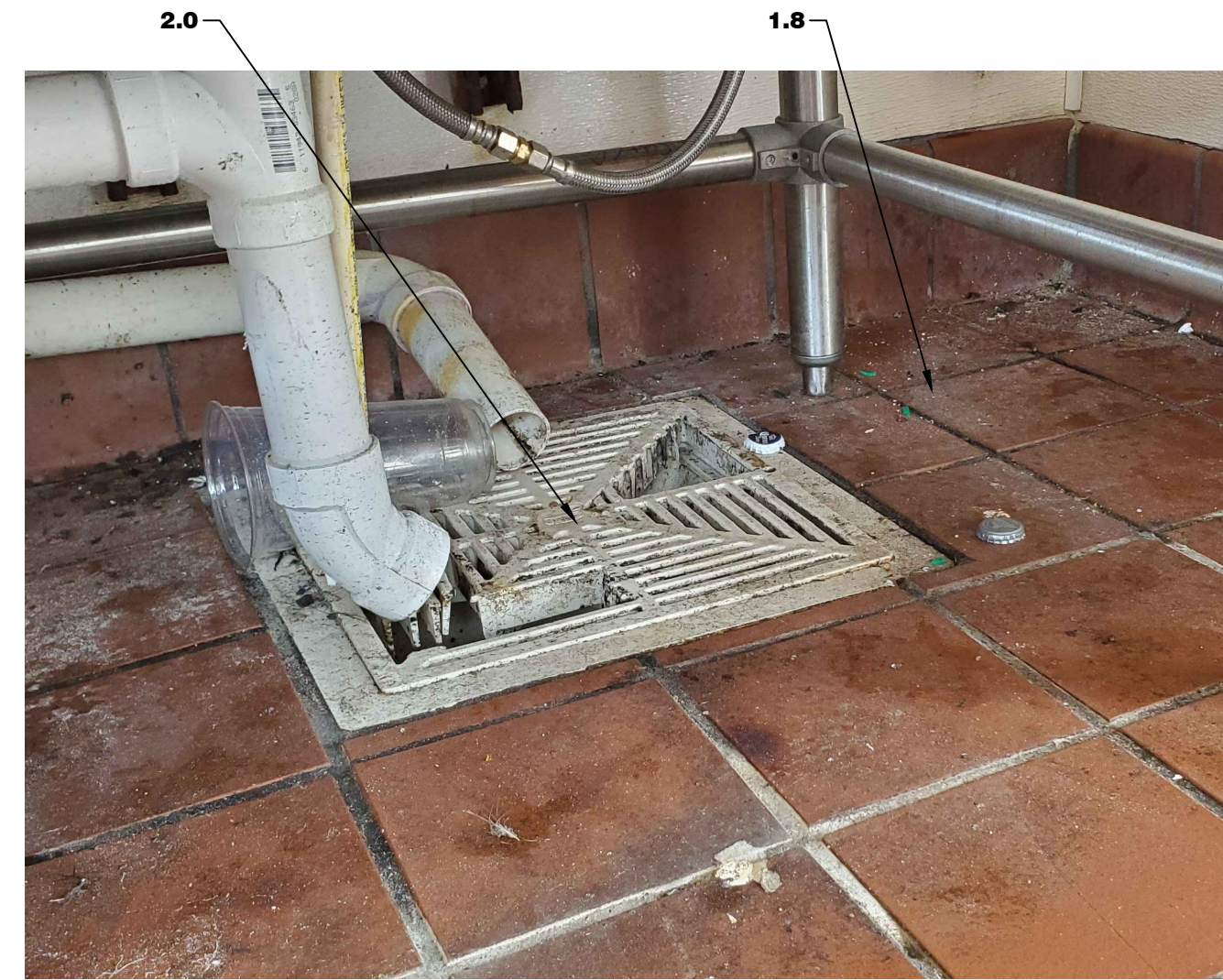
9.1 WEATHER STRIPPING: REMOVE AND REPLACE WEATHER STRIPPING AROUND PERIMETER OF EXTERIOR DOORS.

10.0 TABLE INSTALLATION:

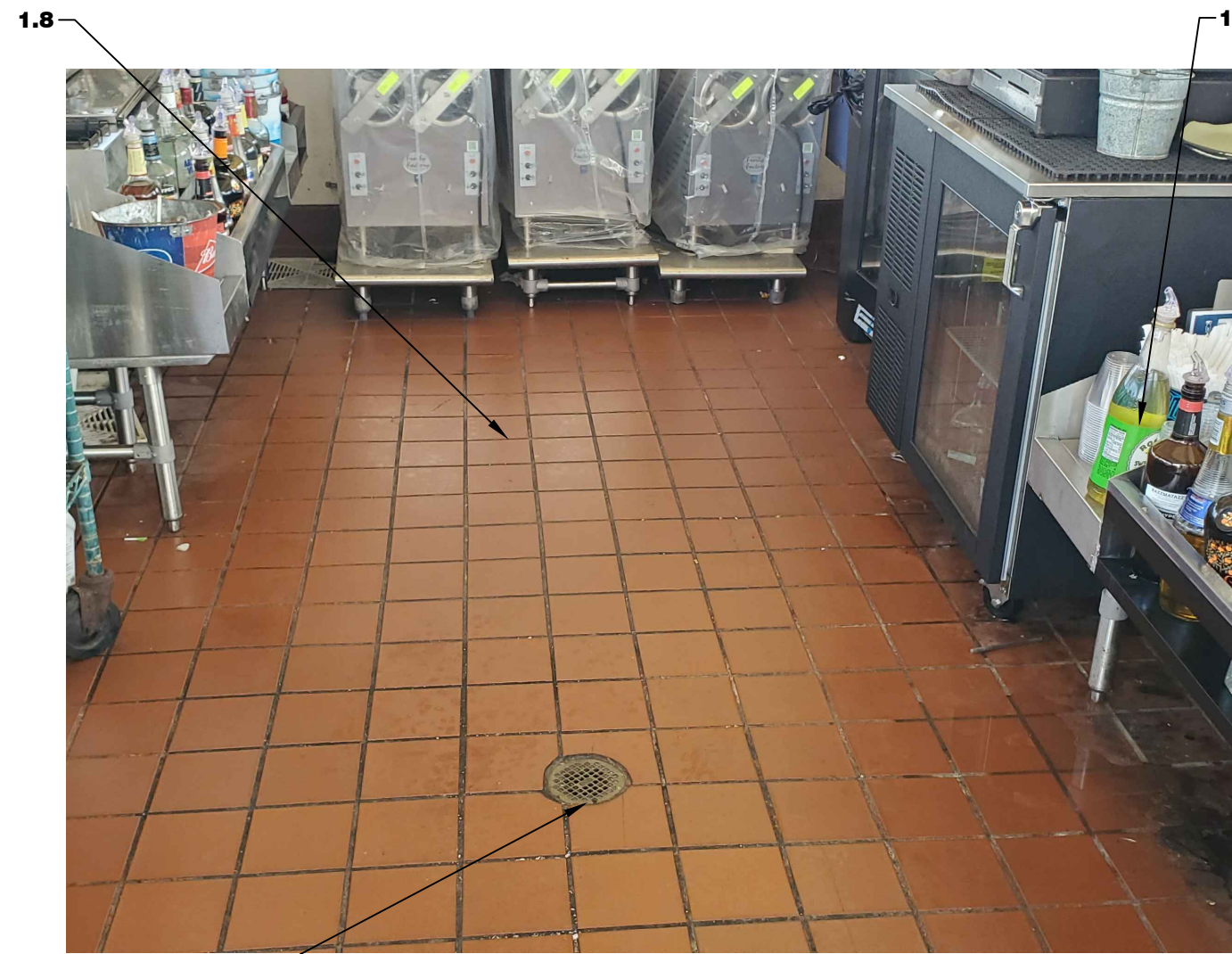
10.1 TABLE FASTENING: FOLLOWING THE INSTALLATION OF THE EXISTING ROOFING MEMBRANE. INSTALL NEW ANCHOR CLIPS FOR TABLE AND RAMP ATTACHMENTS. SEAL CLIPS PER ROOFING MANUFACTURER'S APPROVED DETAIL. MECHANICALLY FASTEN TABLES AND RAMP TO CLIPS. INSTALL PROTECTION BOARD BELOW TABLE LEGS AND RAMP. WOOD TILE TO BE CUT PER MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PENETRATION INSTALLATIONS.

11.0 EXISTING DECK PATCHING:

11.1 REPAIR EXISTING PENETRATIONS IN WOOD DECKING: FOLLOWING REMOVAL OF THE EXISTING ROOF MEMBRANE, REVIEW EXISTING DECK CONDITION. EXISTING HOLES IN DECK FROM LIGHT FIXTURES AND HOLES LARGER THAN 2" DIAMETER ARE TO BE PATCHED. REMOVE A 16" X 32" SECTION SPANNING 3 JOISTS AND FILL WITH 1/2" PLYWOOD. FASTEN NEW WOOD AT 4" O.C. WITH NO. 12 GALV. WOOD SCREWS.



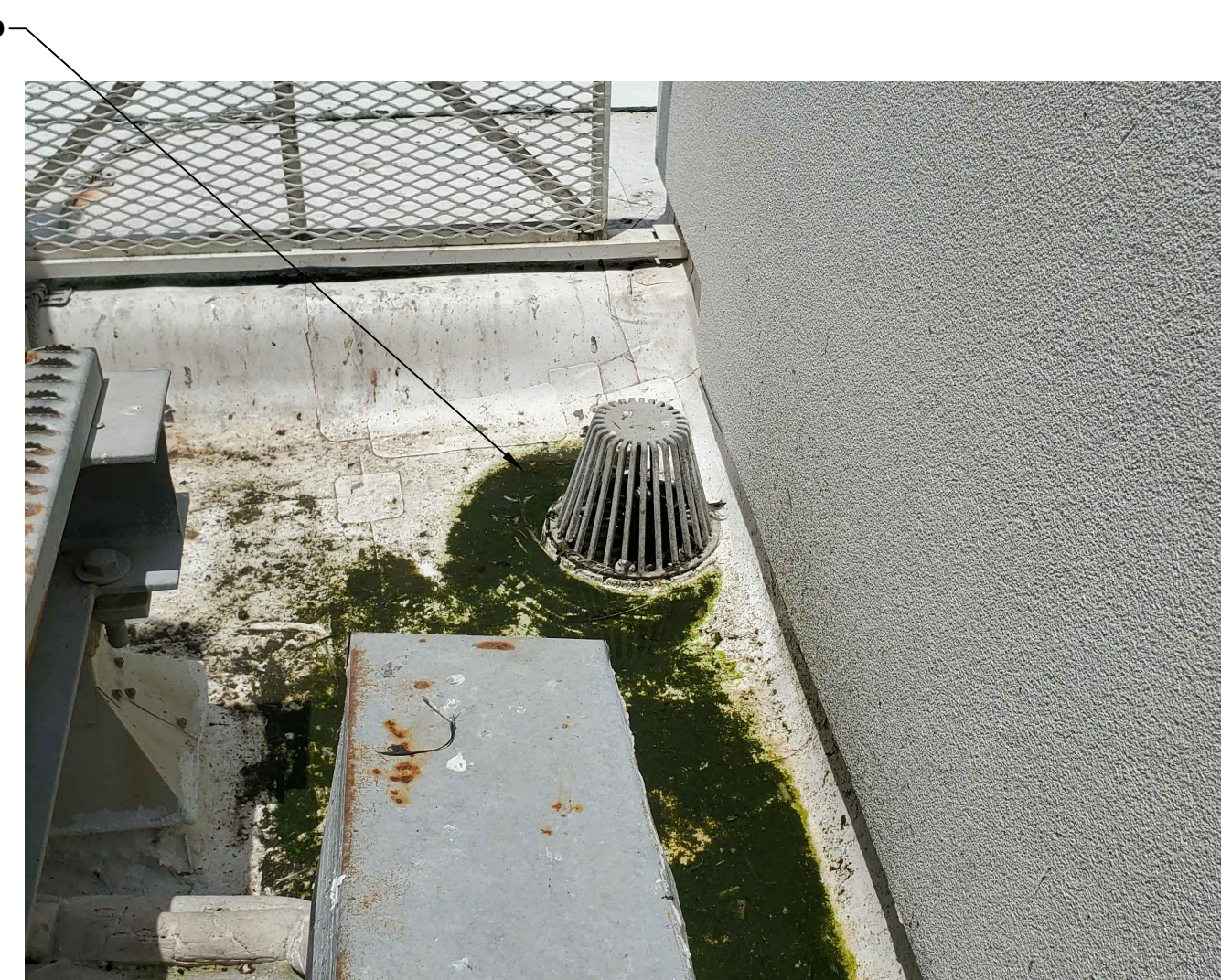
1 PHOTOGRAPH 1
A5.3



2 PHOTOGRAPH 2
A5.3



3 PHOTOGRAPH 3
A5.3



4 PHOTOGRAPH 4
A5.3

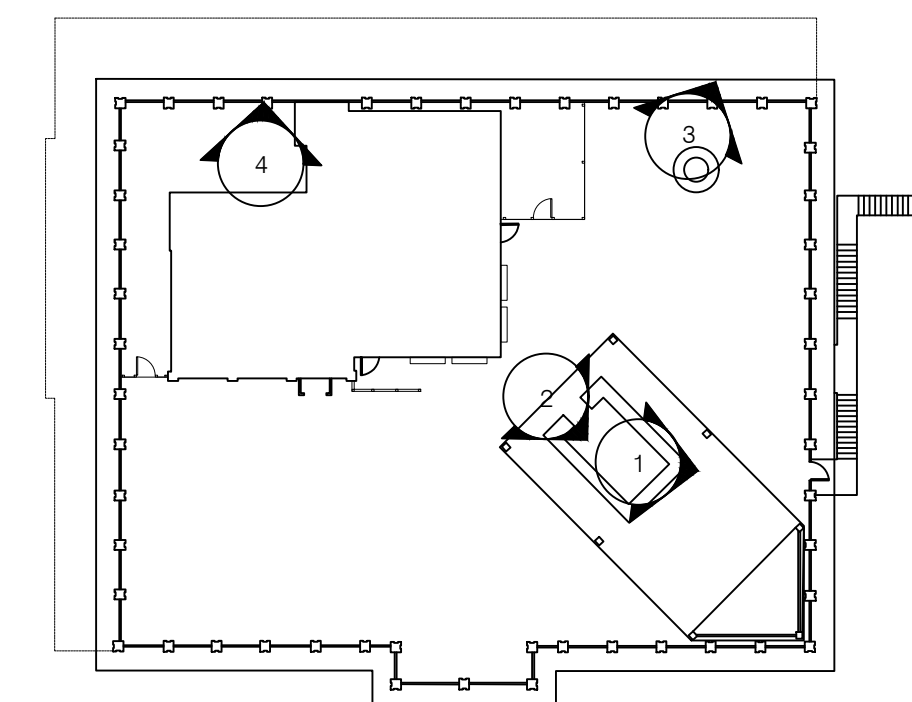


PHOTO LOCATION PLAN



CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
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REVISIONS		DATE:
NUMBER	TYPE	

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JBA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

PHOTOGRAPHS

PLOT: N.T.S. 3"=1' SHEET A5.3

LEGEND:

SYMBOL	DESCRIPTION	SCOPE OF WORK ITEM	DETAILS
—	ROOF EDGE		(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
— — —	ROOF PERIMETER RAILINGS	2.3	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
- - - -	RIDGE LINE		
⊕	ROOF DRAIN	2.0	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
⊕ _{OF}	OVERFLOW ROOF DRAIN	2.0	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
⊗	POWER VENT	1.9	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
○	PIPE PENETRAITON	1.9	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
⊕	FLOOR SINK	2.0	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
⊗	EXISTING HVAC EQUIPMENT	1.9	(A, B, C, D, E, F, G, H, J, K, L, M, N, P, O) / (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
H	TRASH CHUTE HATCH	6.1	
[Pattern]	ROOF B: MODIFIED BITUMEN WITH WALKPADS	1.6	
[Pattern]	ROOF D: MODIFIED BITUMEN	1.7	
XX	ROOF AREA DESIGNATION		
N.I.C.	NOT IN CONTRACT		
(A-30)	DETAIL DESIGNATION		
(E-30)	DETAIL DESIGNATION		
//	EXISTING SKYLIGHT		
[Symbol]	EXISTING SIGNAGE		

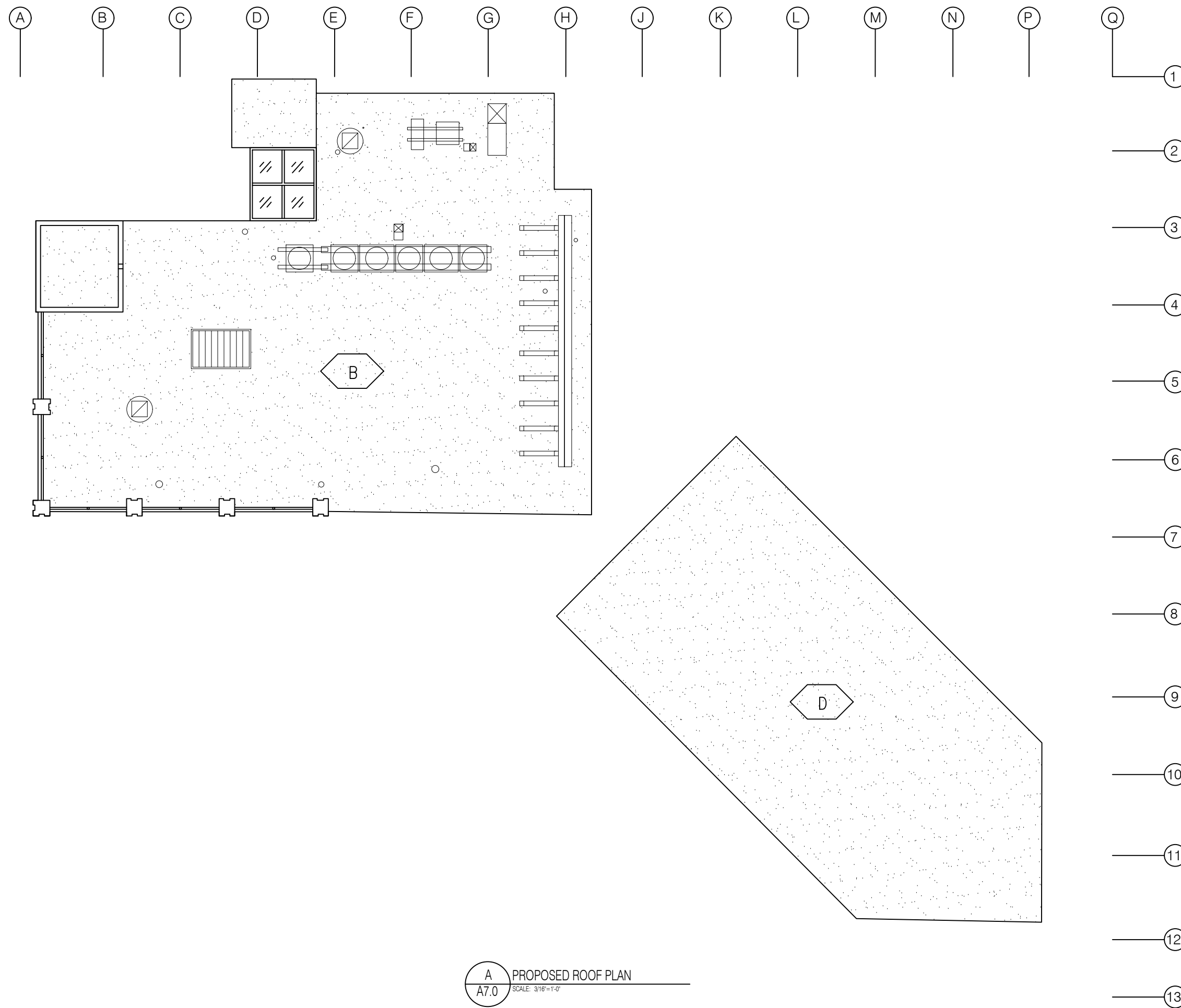
NOTE:
1. EXISTING SLOPE LINES NOT SHOWN FOR CLARITY. SEE A1

PROPOSED ROOFING ASSEMBLY - ROOF B

ROOF COMPONENTS	
OVERBURDEN	WALK PADS AS NECESSARY
CAP SHEET	GRANULATED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
EXISTING ROOF MEMBRANE	THERMOPLASTIC SINGLE-PLY MEMBRANE
EXISTING COVERBOARD	MECHANICALLY FASTENED FIBERBOARD
INSULATION	EXISTING 3" STYROFOAM INSULATION
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF EDGE

PROPOSED ROOFING ASSEMBLY - ROOF D

ROOF COMPONENTS	
OVERBURDEN	WALK PADS AS NECESSARY
CAP SHEET	GRANULATED MODIFIED BITUMEN CAP SHEET
BASE SHEET	SELF ADHERED SMOOTH MODIFIED BITUMEN BASE SHEET
COVERBOARD	DENSDECK PRIME MECHANICALLY FASTENED
EXISTING ROOF MEMBRANE	THERMOPLASTIC SINGLE-PLY MEMBRANE
EXISTING COVERBOARD	MECHANICALLY FASTENED FIBERBOARD
INSULATION	EXISTING 3" STYROFOAM INSULATION
DECK	STRUCTURAL WOOD DECK
ROOF FLASHINGS	ALUMINUM
DRAINAGE	ROOF EDGE



WIND PRESSURES:

WIND DESIGN FOR ROOFING COMPONENTS AND CLADDING:
ASCE 7-10, Vult=150 mph wind, Vasd=116 mph wind, category II, Exposure "D", Kd = 0.85, h = 40 ft., ENCLOSED BUILDING: Gcpi = ± 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 2012 ASCE 7-10.

WIND DESIGN FOR ROOFING COMPONENTS AND CLADDING:
ASCE 7-10, Vult=150 mph wind, Vasd=116 mph wind, category II, Exposure "D", Kd = 0.85, h = 40 ft., OPEN BUILDING: Gcpi = ± 0.00. (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 2012 ASCE 7-10.

WIND PRESSURES ROOF AREA B

WIND UPLIFT PRESSURE LEGEND:	ASCE 7-10 ROOF C & C DESIGN PRESSURES
ROOF AREAS A - HEIGHT - 30'-0"	
ZONE 1 - FIELD ZONE (1)	-45 PSF
ZONE 2 - EDGE ZONE (2)	-74 PSF
ZONE 3 - CORNER ZONE (3)	-112.0 PSF

DEPTH OF PERIMETER AND CORNER ZONES FROM ROOF EDGE - 'a' DIMENSION IS 10 FEET U.N.O.

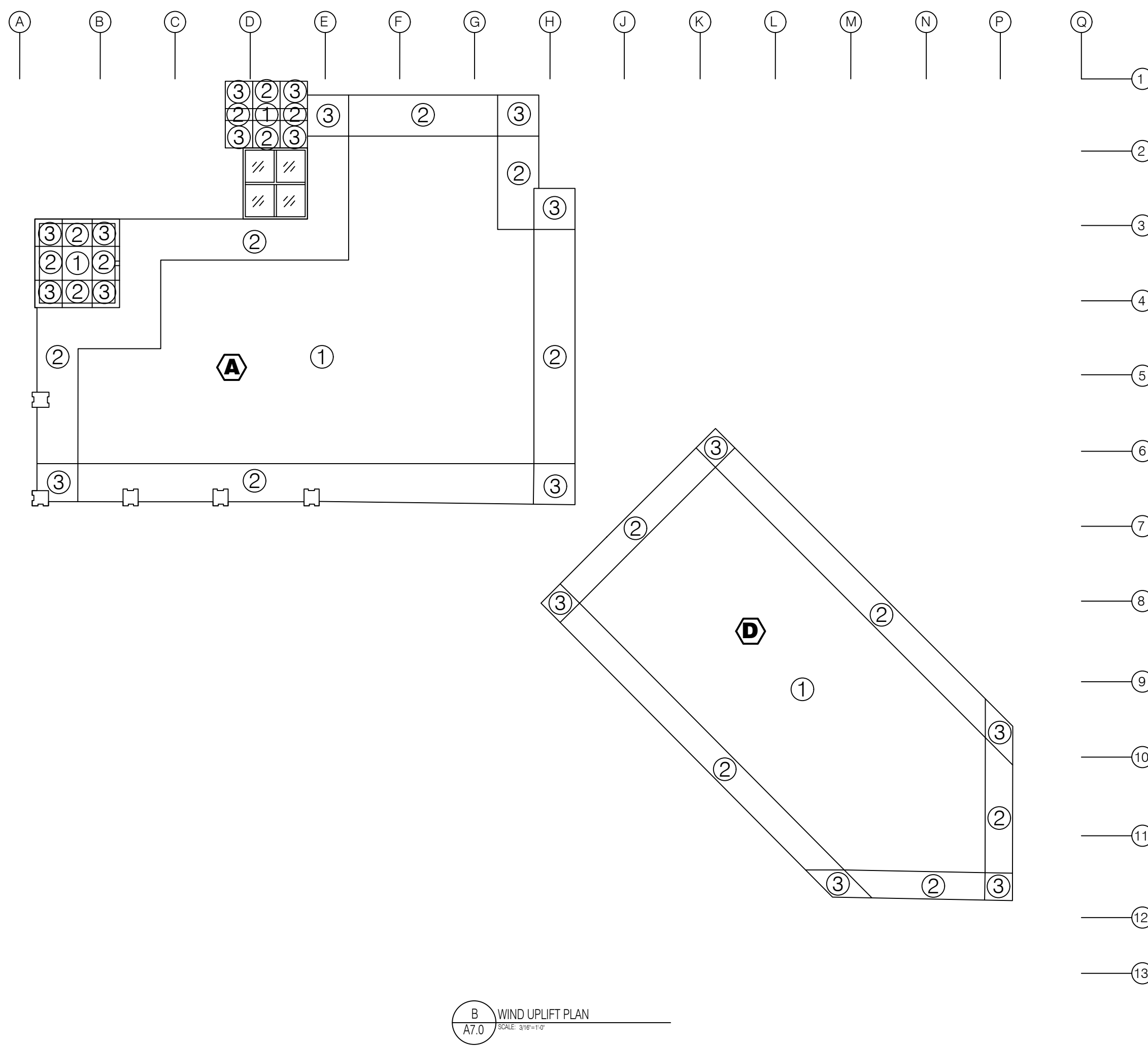
WIND PRESSURES ROOF AREA D

WIND UPLIFT PRESSURE LEGEND:	ASCE 7-10 ROOF C & C DESIGN PRESSURES
ROOF AREAS A - HEIGHT - 50'-0"	
ZONE 1 - FIELD ZONE (1)	-38 PSF
ZONE 2 - EDGE ZONE (2)	-68 PSF
ZONE 3 - CORNER ZONE (3)	-105.0 PSF

DEPTH OF PERIMETER AND CORNER ZONES FROM ROOF EDGE - 'a' DIMENSION IS 10 FEET U.N.O.

LEGEND:

—	ROOF EDGE
(A)	ROOF AREA DESIGNATION
(1)	ZONE NUMBER
—	LINE OF WIND ZONE
(N.I.C.)	NOT IN CONTRACT



SCOPE OF WORK:

0.0 ALTERNATE 1&2: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH OF ALTERNATE 1: ROOF B AND ALTERNATE 2: ROOF D INCLUDES THE INSTALLATION OF A RECOVERY ROOF SYSTEM. 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 A7.0, A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK.

1.0 RECOVERY ROOF:

1.1 ROOF RECOVERY COATING APPLICATION: INSPECT ALL ROOF SURFACES AND REPLACE ANY DETERIORATED, DAMAGED OR WET ROOF COMPONENTS AS REQUIRED TO INSTALL NEW ROOF SYSTEM. CONTRACTOR TO COMPLETE A ROOF MOISTURE SURVEY AND COMPLETE ROOF CORE CUTS TO DETERMINE THE EXTENT OF ENTRAPPED MOISTURE. CUT EXISTING ROOF MEMBRANE BUSTERS, PRIME ROOF SURFACES AND PATCH BUSTLED AREA WITH A PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN ROOF MEMBRANE. REMOVE EXISTING BASE FLASHINGS AND EDGE FLASHINGS. ROOFING MANUFACTURER TO INSPECT ROOF SUBSTRATES AND APPROVE ALL EXISTING SUBSTRATE CONDITIONS PRIOR TO ROOFING APPLICATION. INSTALL 5" CEMENT BOARD AND MECHANICALLY FASTEN TO WOOD DECK. TORCH APPLY A SMOOTH MODIFIED BITUMEN BASE SHEET OVER PRIMED COVERBOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN MEMBRANE OVER BASE PLY. AT ALL BASE FLASHINGS, MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD TO THE EXISTING VERTICAL CLEARSTORY WALL SUBSTRATES. TORCH APPLY ONE SMOOTH SURFACED MODIFIED BITUMEN BASE FLASHING INNER PLY AND LIQUID APPLIED REINFORCED FLASHING WITH MATCHING GRANULARS. USE FLAMELESS TORCH AT ALL VERTICAL BASE FLASHING APPLICATIONS. TEMPORARILY REMOVE AND REINSTALL MECHANICAL FANS AND CONDUITS AS NECESSARY TO ALLOW FOR ROOF INSTALLATION. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED REINFORCED MEMBRANE. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT. SEE SPECIFICATION SECTION 075216.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING 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 REMOVAL AND STORAGE FOR REINSTALLATION: EXISTING RAILINGS ARE TO BE REMOVED, TAGGED AND STORED FOR REINSTALLATION.

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER IAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED MOA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A7.0 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVER/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZED AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING THE STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN, MIN 1/2" PER FOOT. NO PONDING WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.9 RAILING FLASHING: AT BASE FLASHINGS OF WOOD RAILING POSTS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURERS INSTALLATION REQUIREMENTS. APPLY 4"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND ONTO THE VERTICAL. SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY. SEE SPECIFICATION SECTION 075216.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSIS/SPI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESURFACE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 TRANSITION METAL: REMOVE STUCCO AT TRANSITION METAL FLASHING. SET FLASHING IN SEALANT AND MECHANICALLY SEAL ROOF SIDE. PROVIDE CLEAT EXTENDING PAST ROOF FLASHING. SEAL ALL PERIMETER JOINTS AT STUCCO.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANELS AS NECESSARY TO INSTALL NEW ROOF FLASHING OF THE EXISTING RAILING POSTS FOR REINSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURERS APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". SOLDER AN EXTENSION AT THE MID-RAILING POST AS NECESSARY TO SET ON ROOF. INSTALL WALKING PAD UNDER MID-RAIL POST. PROVIDE ALTERNATE FOR INSTALLATION OF NEW FRP PANEL AT BASE OF COLUMN.

3.0 MECHANICAL EQUIPMENT:

3.1: REMOVE AND REINSTALL MECHANICAL SUPPORTS: REMOVE EXISTING MECHANICAL EQUIPMENT AND EXTEND EXISTING SUPPORTS TO MINIMUM OF 30" ABOVE THE EXISTING ROOF DECK. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. DISCONNECT AND RECONNECT SYSTEM AS NECESSARY FOR ROOFING INSTALLATION. RE-CERTIFY SYSTEM FOLLOWING ROOF INSTALLATION. SEE SPECIFICATION SECTION 075216.

4.0 SIGNAGE:

4.1: FLASHING AT SIGNAGE ATTACHMENT: REMOVE EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. SEE SPECIFICATION SECTION 075216.

5.0 LIGHTNING PROTECTION COMPONENTS:

5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL COPINGS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RE-CERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.

CONSTRUCTION DOCUMENTS
CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
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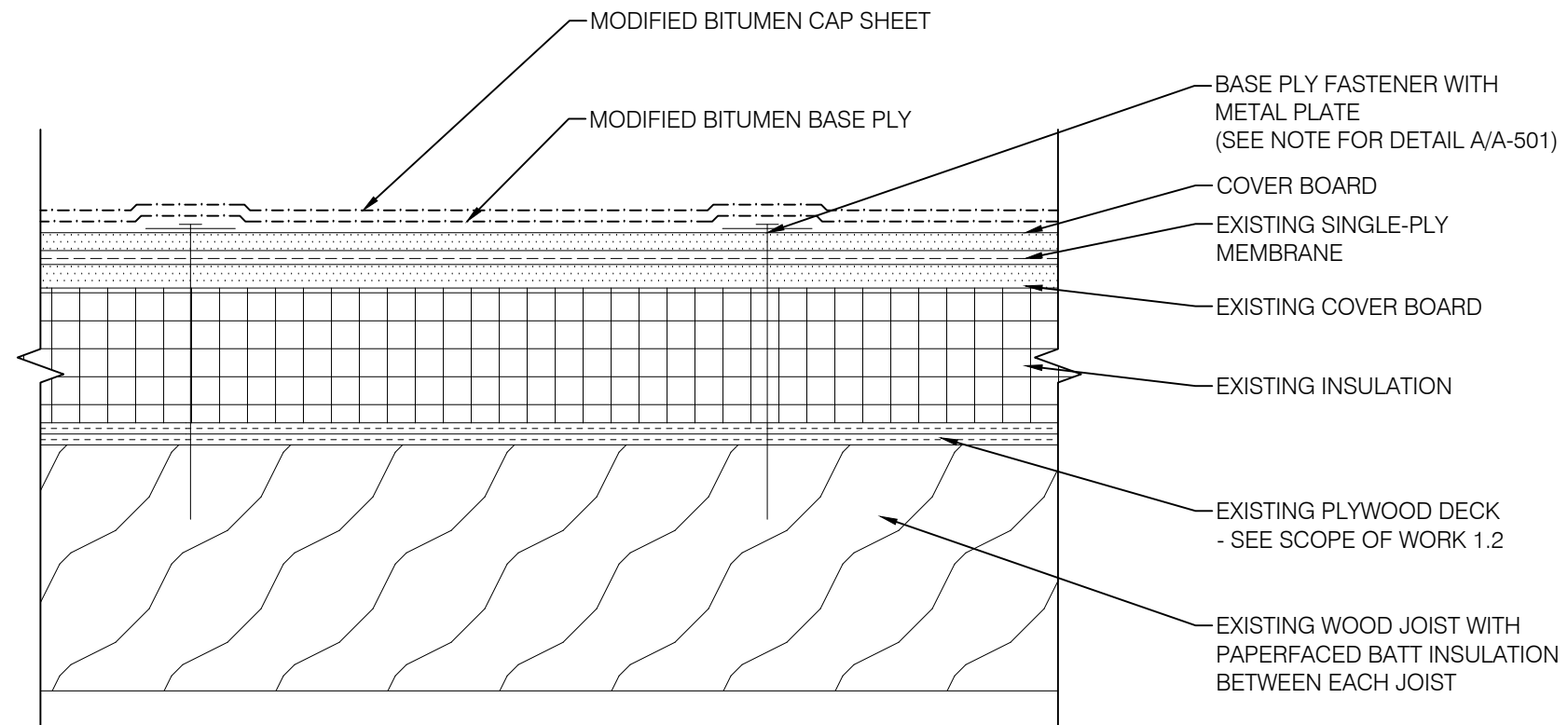
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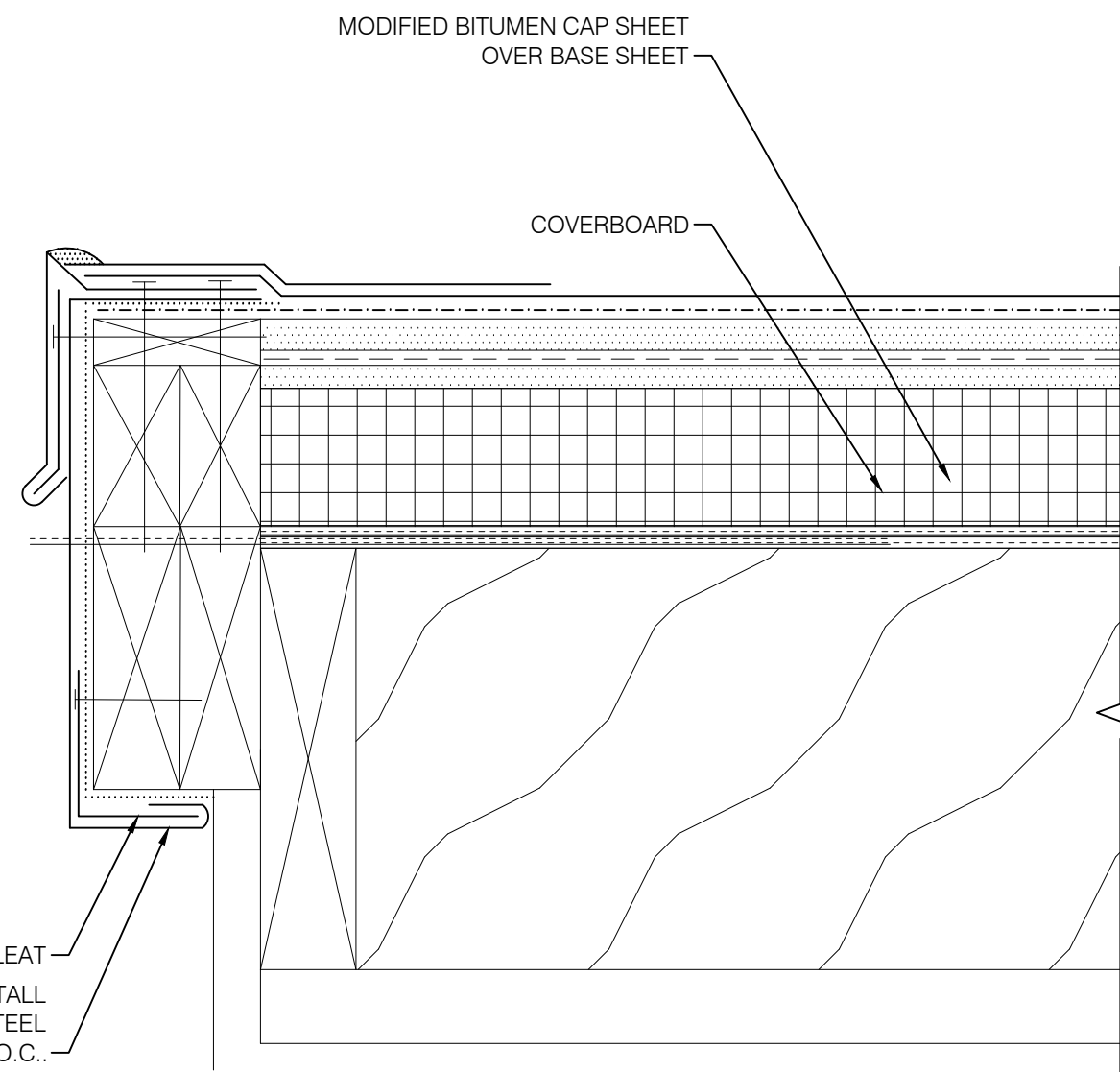
ALTERNATE PROPOSED
ROOF PLAN
A7.0

NOTES:

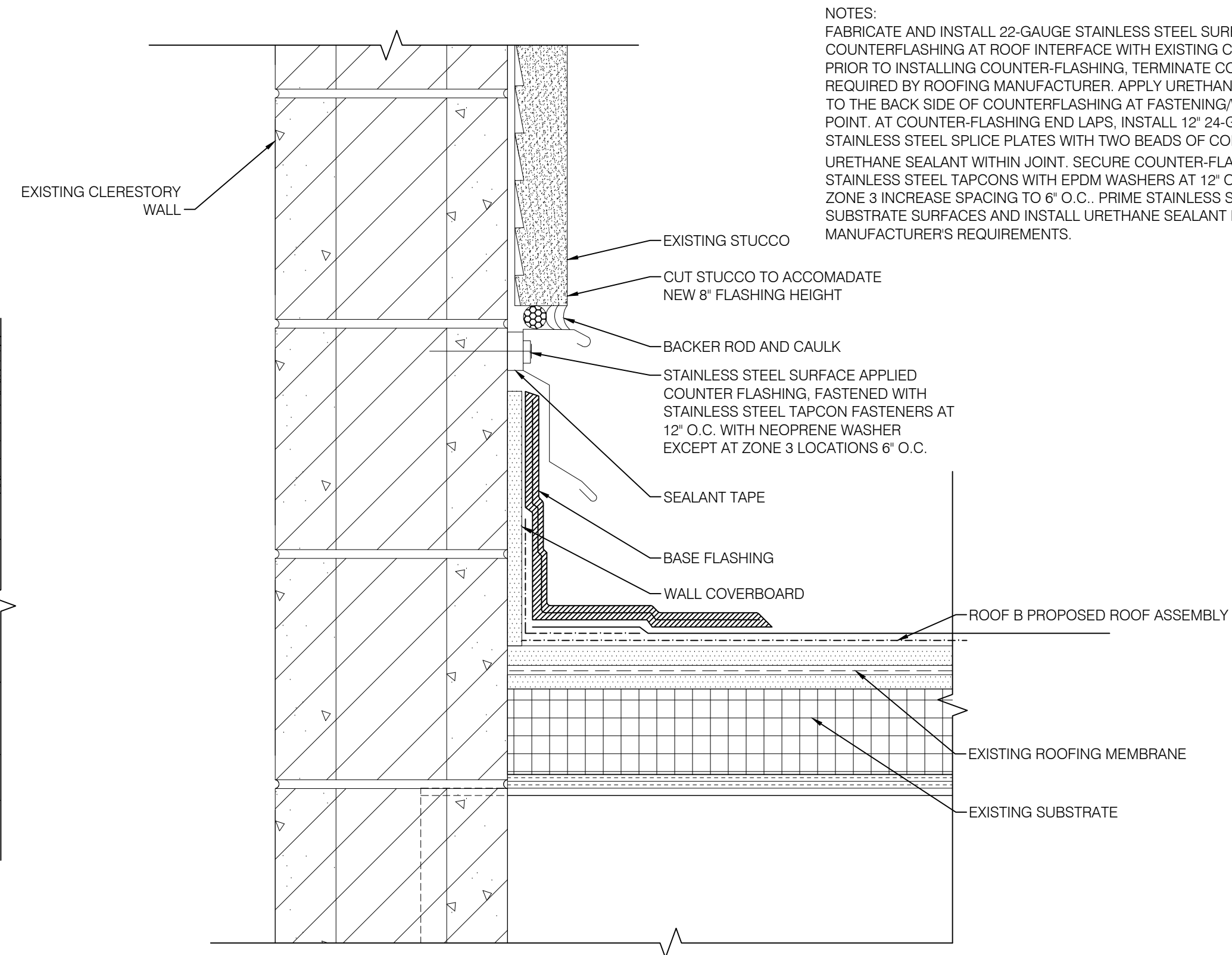
- A. FASTENER TYPE AND SPACING PER MANUFACTURER'S RECOMMENDATIONS / SYSTEM TEST CRITERIA, AND DESIGN WIND PRESSURES. PROVIDE PULL TEST REPORT TO MANUFACTURER AND INCLUDE WITHIN SUBMITTALS FOR BUILDING DEPARTMENT REVIEW. ALL FASTENERS TO EXTEND THROUGH EXISTING METAL DECK.
- B. CONTRACTOR TO SUBMIT SEALED 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 ITEM 1.0
- D. BASIS OF DESIGN: FLORIDA PRODUCT APPROVAL - FL10342-R12 - W-AM-4



A PROPOSED ROOF B&D ASSEMBLIES
A-7.1 SCALE: NTS



B METAL EDGE DETAIL
A-7.1 SCALE: NTS



C WALL FLASHING DETAIL
A-7.1 SCALE: NTS

NOTES:
FABRICATE AND INSTALL 22-GAUGE STAINLESS STEEL SURFACE MOUNTED COUNTERFLASHING AT ROOF INTERFACE WITH EXISTING CLERESTORY WALL PRIOR TO INSTALLING COUNTERFLASHING. TERMINATE COATING AS REQUIRED BY ROOFING MANUFACTURER. APPLY URETHANE SEALANT TAPE TO THE BACK SIDE OF COUNTERFLASHING AT FASTENING/WALL LOCATION POINT. AT COUNTER-FLASHING END LAPS, INSTALL 12" 24-GAUGE STAINLESS STEEL SPLICE PLATES WITH TWO BEADS OF CONCEALED URETHANE SEALANT WITHIN JOINT. SECURE COUNTER-FLASHING WITH #8 STAINLESS STEEL TAPCONS WITH EPDM WASHERS AT 12" O.C. AT WIND ZONE 3 INCREASE SPACING TO 6" O.C. PRIME STAINLESS STEEL AND WALL SUBSTRATE SURFACES AND INSTALL URETHANE SEALANT PER SEALANT MANUFACTURER'S REQUIREMENTS.

SCOPE OF WORK:

0.0 ALTERNATE 1&2: THE ROOFING REPLACEMENT OF JOE'S CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH OF ALTERNATE 1: ROOF B AND ALTERNATE 2: ROOF D INCLUDES THE INSTALLATION OF A RECOVERY ROOF SYSTEM. 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 A7.0, A7.1 AND AAT.2 FOR ADDITIONAL SCOPE OF WORK.

1.0 RECOVERY ROOF:
1.1 ROOF RECOVERY COATING APPLICATION: INSPECT ALL ROOF SURFACES AND REPLACE ANY DETERIORATED, DAMAGED OR WET ROOF COMPONENTS AS REQUIRED TO INSTALL NEW ROOF SYSTEM. CONTRACTOR TO COMPLETE A ROOF MOISTURE SURVEY AND COMPLETE ROOF CORE CUTS TO DETERMINE THE EXTENT OF ENTRAPPED MOISTURE. CUT EXISTING ROOF MEMBRANE BLISTERS, PRIME ROOF SURFACES AND PATCH BLISTERS AREA WITH A PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN ROOF MEMBRANE. REMOVE EXISTING BASE FLASHINGS AND EDGE FLASHINGS. ROOFING MANUFACTURER TO INSPECT ROOF SUBSTRATES AND APPROVE ALL EXISTING SUBSTRATE CONDITIONS PRIOR TO ROOFING APPLICATION. INSTALL 5' CEMENT BOARD AND MECHANICALLY FASTEN TO WOOD DECK. TORCH APPLY A SMOOTH MODIFIED BITUMEN BASE SHEET OVER PRIMED COVERBOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN MEMBRANE OVER BASE PLY AT ALL BASE FLASHINGS. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD TO THE EXISTING VERTICAL CLERESTORY WALL SUBSTRATES. TORCH APPLY ONE SMOOTH SURFACED MODIFIED BITUMEN BASE FLASHING INNER PLY AND LIQUID APPLIED REINFORCED FLASHING WITH MATCHING GRANULARS. USE FLAMELESS TORCH AT ALL VERTICAL BASE FLASHING APPLICATIONS. TEMPORARILY REMOVE AND REINSTALL MECHANICAL FANS AND CONDUCITS AS NECESSARY TO ALLOW FOR ROOF INSTALLATION. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED REINFORCED MEMBRANE. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT. SEE SPECIFICATION SECTION 075216.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING 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 REMOVAL AND STORAGE FOR REINSTALLATION: EXISTING RAILINGS ARE TO BE REMOVED, TAGGED AND STORED FOR REINSTALLATION.

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED MOA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-7.0 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVER/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIZED AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING THE STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN, MIN 1/2" PER FOOT. NO PONDING WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.9 RAILING FLASHING: AT BASE FLASHINGS OF WOOD RAILING POSTS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURER'S INSTALLATION REQUIREMENTS. APPLY 4"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND ONTO THE VERTICAL SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY. SEE SPECIFICATION SECTION 075216.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANSI/APRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

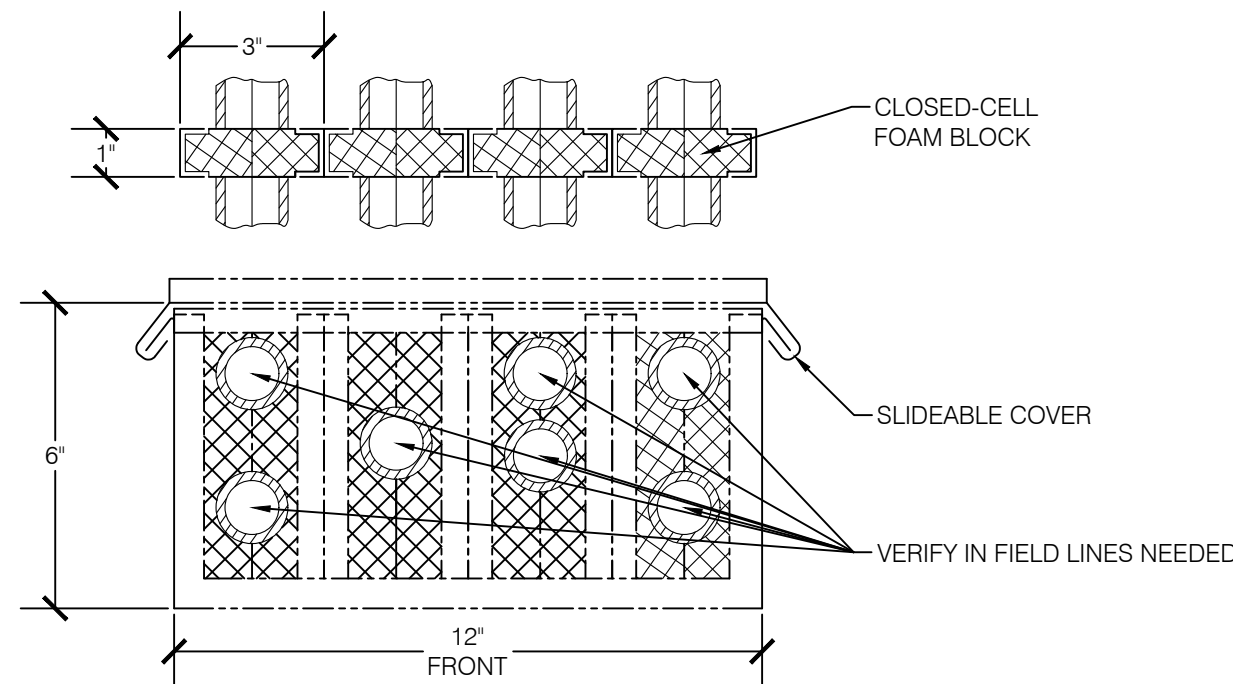
2.2 TRANSITION METAL: REMOVE STUCCO AT TRANSITION METAL FLASHING. SET FLASHING IN SEALANT AND MECHANICALLY SEAL ROOF SIDE. PROVIDE CLEAT EXTENDING PAST ROOF FLASHING. SEAL ALL PERIMETER JOINTS AT STUCCO.

2.3 RAILINGS: REMOVE AND STORE EXISTING RAILINGS FOR REINSTALLATION. REMOVE THE BOTTOM 12" OF THE EXISTING FRP PANEL AS NECESSARY TO INSTALL NEW ROOF FLASHING OF THE EXISTING RAILING POSTS FOR REINSTALLATION. INSTALL NEW FLASHINGS PER MANUFACTURER'S APPROVED DETAILS. REINSTALL FRP POST SECTION AT BASE OF WALL. SEAL HORIZONTAL JOINT AND RAILING FASTENER HOLES WITH URETHANE SEALANT. PRIME AND PAINT POST. REINSTALL RAILINGS AT 42". SOLDER AN EXTENSION AT THE MID-RAILING POST AS NECESSARY TO SET ON ROOF. INSTALL WALKING PAD UNDER MID-RAIL POST. PROVIDE ALTERNATE FOR INSTALLATION OF NEW FRP PANEL AT BASE OF COLUMN.

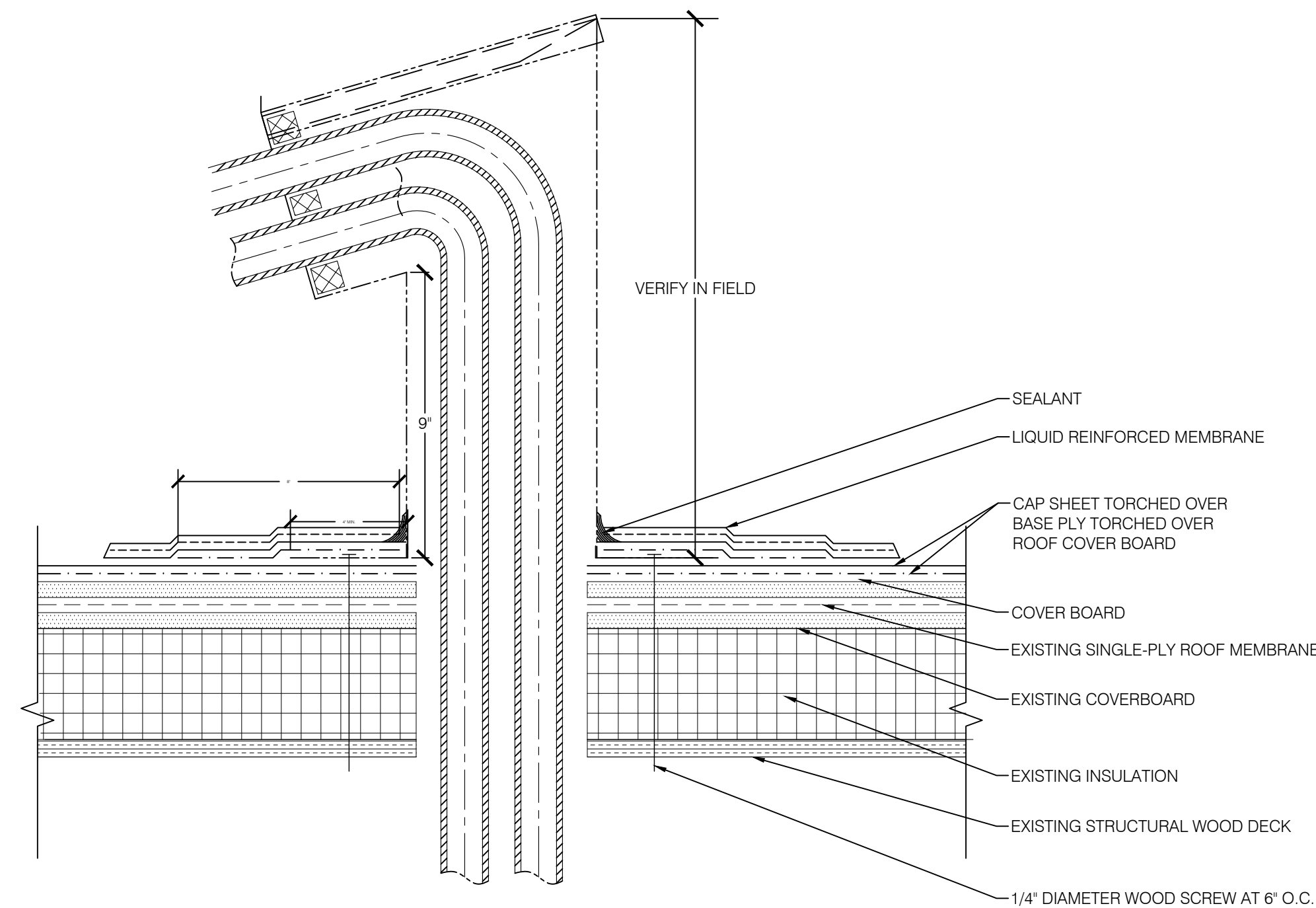
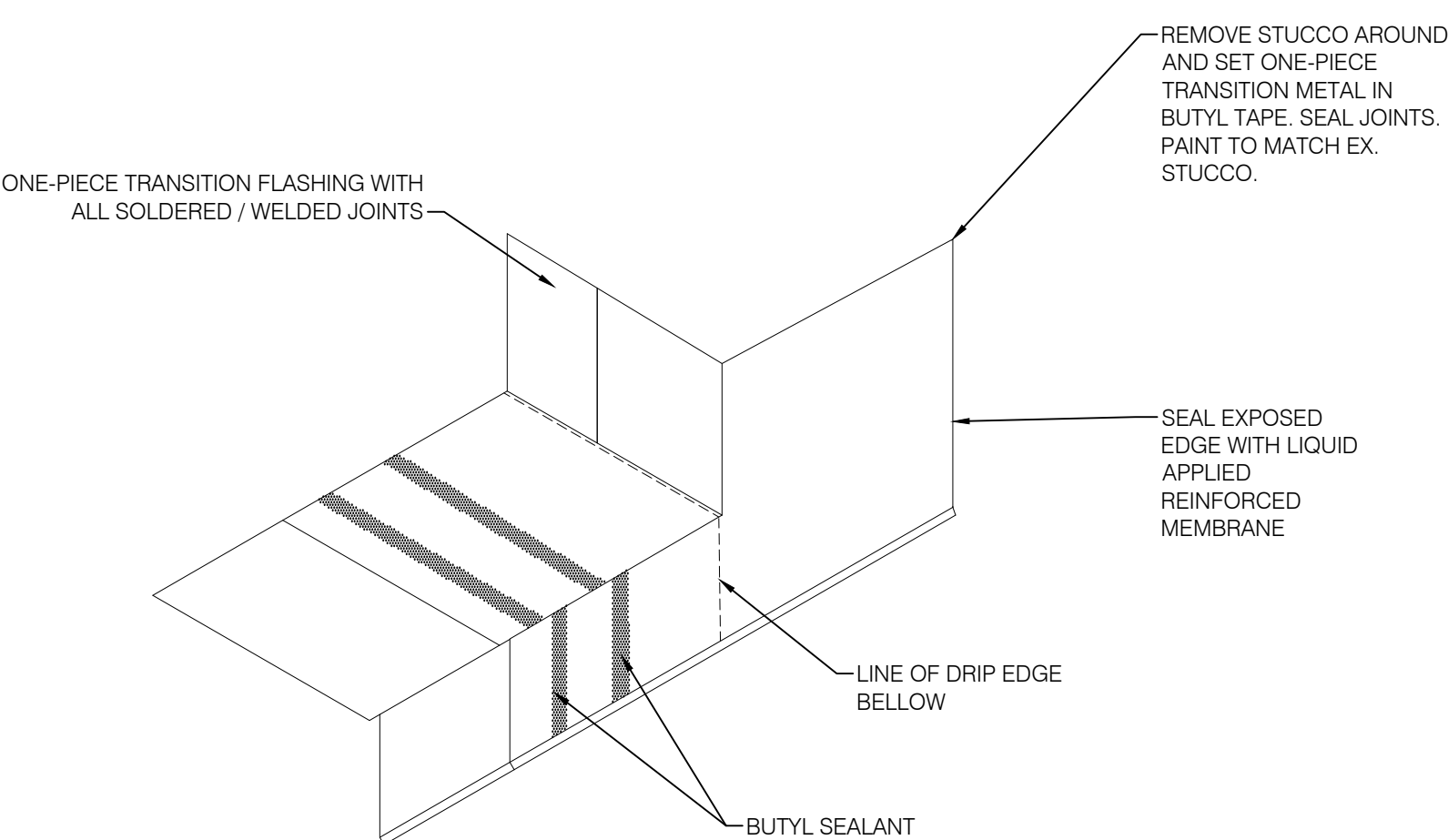
3.0 MECHANICAL EQUIPMENT:
3.1 REMOVE AND REINSTALL MECHANICAL SUPPORTS: REMOVE EXISTING MECHANICAL EQUIPMENT AND EXTEND EXISTING SUPPORTS TO MINIMUM OF 30" ABOVE THE EXISTING ROOF DECK. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. DISCONNECT AND RECONNECT SYSTEM AS NECESSARY FOR ROOFING INSTALLATION. RECERTIFY SYSTEM FOLLOWING ROOF INSTALLATION. SEE SPECIFICATION SECTION 075216.

4.0 SIGNAGE:
4.1 FLASHING AT SIGNAGE ATTACHMENT: REMOVE EXISTING PITCH POCKETS. FLASH PENETRATIONS WITH LIQUID APPLIED REINFORCED MEMBRANE. SEE SPECIFICATION SECTION 075216.

5.0 LIGHTNING PROTECTION COMPONENTS:
5.1 LIGHTNING PROTECTION REINSTALLATION: TEMPORARILY REMOVE ALL EXISTING LIGHTNING AIR TERMINALS AND CABLES FROM THE SIDE SURFACES OF THE EXISTING METAL COPINGS, PARAPET WALLS AND ANY OTHER ROOF SURFACES 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. RECERTIFY THE REINSTALLED LIGHTNING PROTECTION SYSTEM.



NOTE: MULTIPLE PIPE PENETRATION FLASHING BY 'SBC INDUSTRIES'



E GOOSEKNECK DETAIL
A-7.1 SCALE: NTS

D PROPOSED ROOF B&D ASSEMBLIES
A-7.1 SCALE: NTS

CONSTRUCTION DOCUMENTS

CITY OF DAYTONA BEACH
JOE'S CRAB SHACK
DAYTONA BEACH, FLORIDA
EXTERIOR DECK AND ROOFING
REPLACEMENT PROJECT
PROJECT NUMBER: 19-020

JAY AMMON ARCHITECT, INC.
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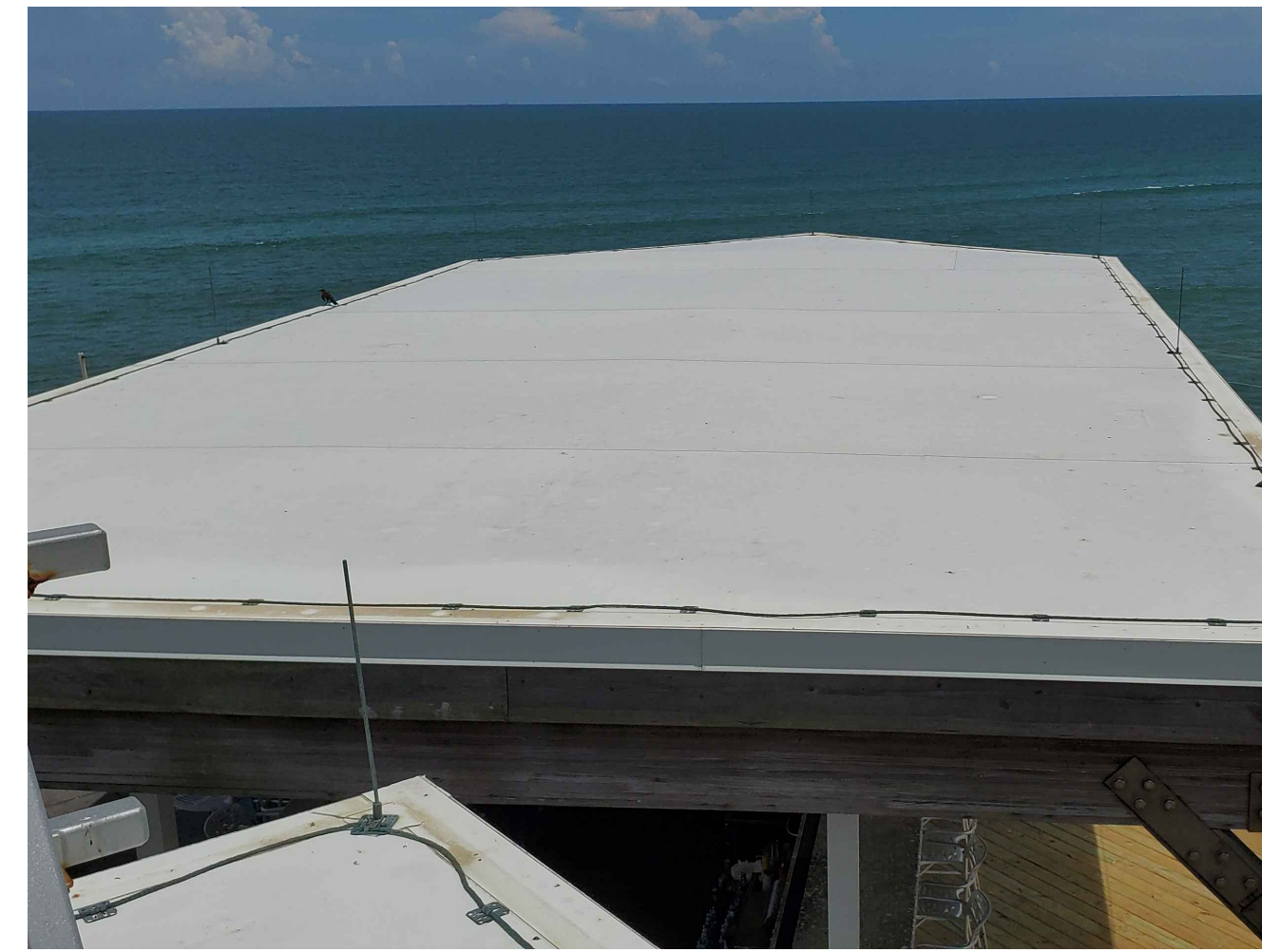
REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JPA PHASE: BD DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

ALTERNATE ROOF DETAILS



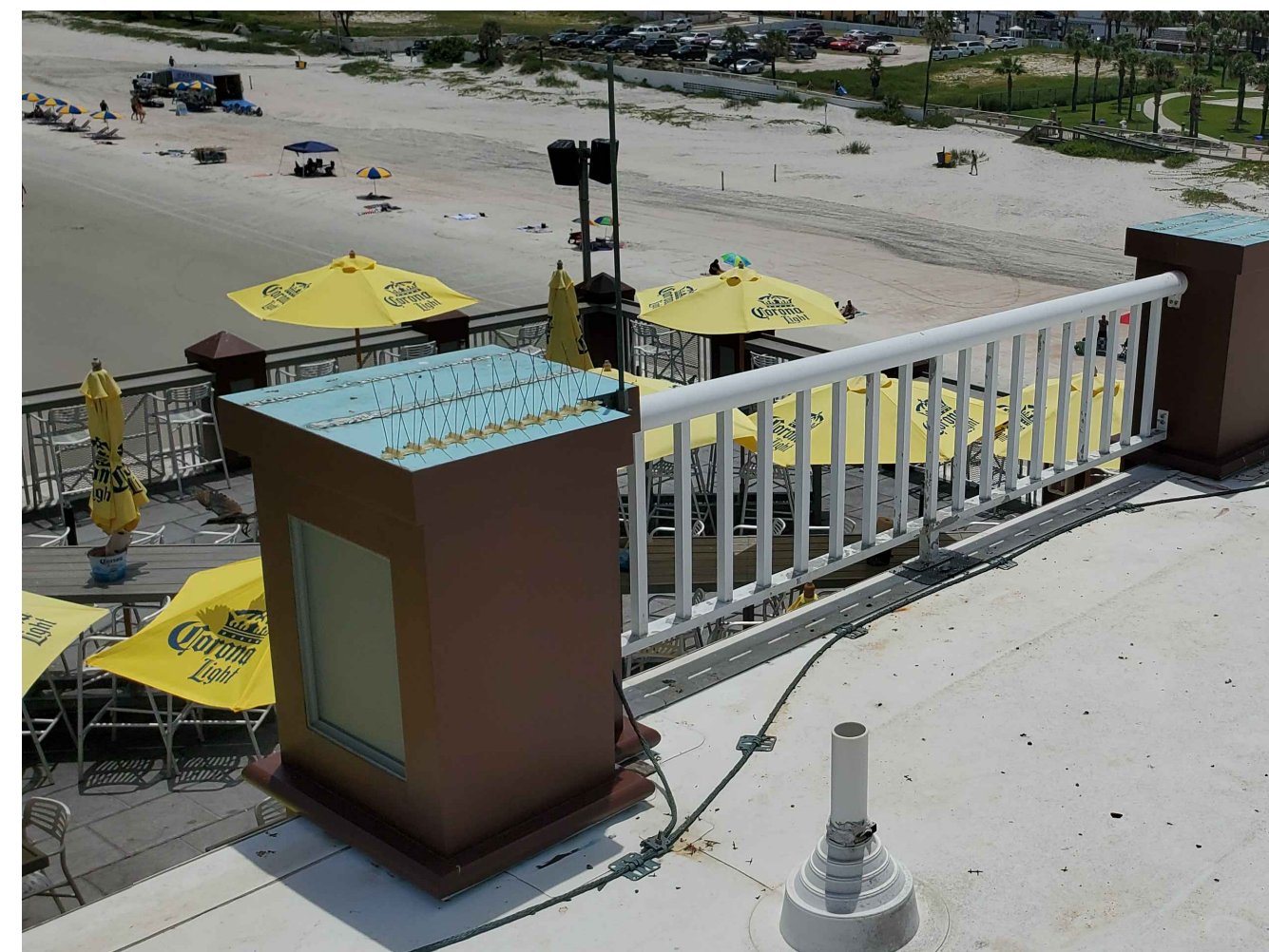
1 PHOTOGRAPH 1
A7.2



2 PHOTOGRAPH 2
A7.2



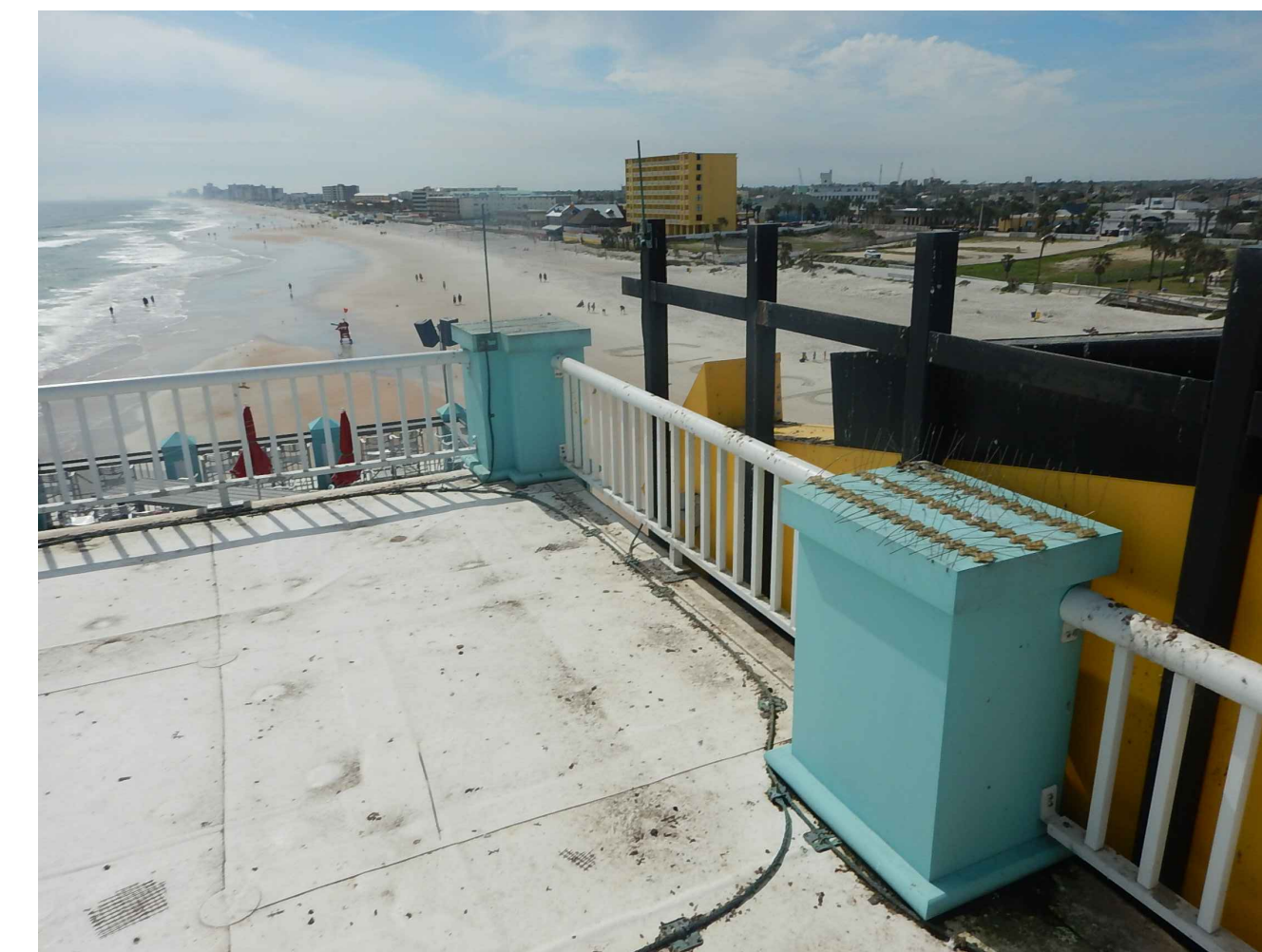
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A7.2



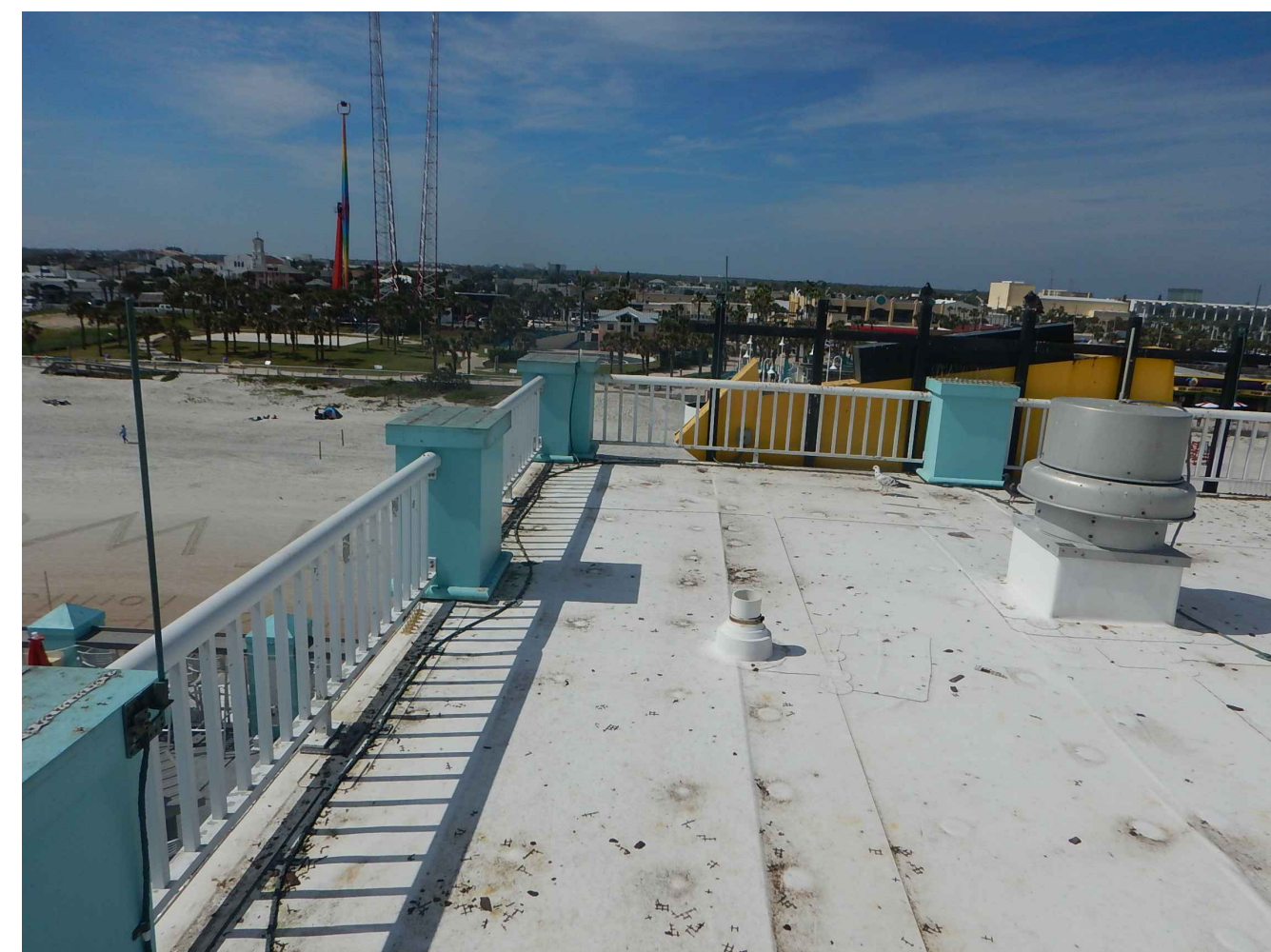
4 PHOTOGRAPH 4
A7.2



5 PHOTOGRAPH 5
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6 PHOTOGRAPH 6
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7 PHOTOGRAPH 7
A7.2



8 PHOTOGRAPH 8
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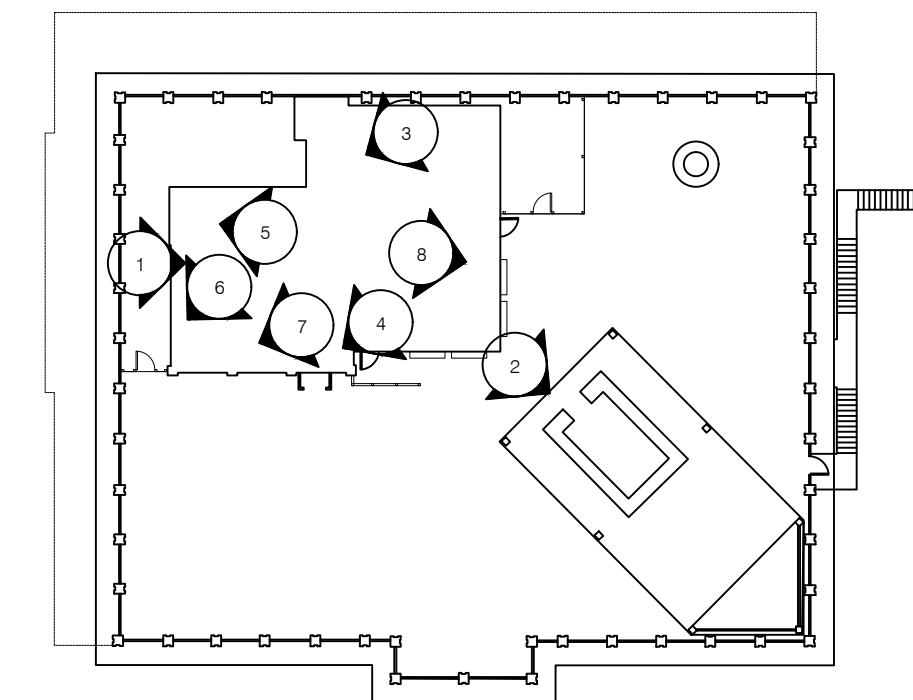


PHOTO LOCATION PLAN



PLAN NORTH

SCOPE OF WORK:

0.0 ALTERNATE 1&2: THE ROOFING REPLACEMENT OF JOES CRAB SHACK ROOF ASSEMBLIES IN DAYTONA BEACH OF ALTERNATE 1: ROOF B AND ALTERNATE 2: ROOF D INCLUDES THE INSTALLATION OF A RECOVERY ROOF SYSTEM. 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 A7.0, A7.1 AND A7.2 FOR ADDITIONAL SCOPE OF WORK.

1.0 RECOVERY ROOF:
1.1 ROOF RECOVERY COATING APPLICATION: INSPECT ALL ROOF SURFACES AND REPLACE ANY DETERIORATED, DAMAGED OR WET ROOF COMPONENTS AS REQUIRED TO INSTALL NEW ROOF SYSTEM. CONTRACTOR TO COMPLETE A ROOF MOISTURE SURVEY AND COMPLETE ROOF CORE CUTS TO DETERMINE THE EXTENT OF ENTRAPPED MOISTURE. CUT EXISTING ROOF MEMBRANE ELIESTERS, PRIME ROOF SURFACES AND PATCH BLISTERED AREA WITH A PLY OF GRANULE SURFACED MODIFIED BITUMEN ROOF MEMBRANE OVER ONE PLY OF SMOOTH SURFACED MODIFIED BITUMEN ROOF MEMBRANE. REMOVE EXISTING BASE FLASHINGS AND EDGE FLASHINGS. ROOFING MANUFACTURER TO INSPECT ROOF SUBSTRATES AND APPROVE ALL EXISTING SUBSTRATE CONDITIONS PRIOR TO ROOFING APPLICATION. INSTALL 1/2" CEMENT BOARD AND MECHANICALLY FASTEN TO WOOD DECK. TORCH APPLY A SMOOTH MODIFIED BITUMEN BASE SHEET OVER PRIMED COVERBOARD. TORCH APPLY A GRANULE SURFACED MODIFIED BITUMEN MEMBRANE OVER BASE PLY AT ALL BASE FLASHINGS. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD TO THE EXISTING VERTICAL CLERESTORY WALL SUBSTRATES. TORCH APPLY ONE SMOOTH SURFACED MODIFIED BITUMEN BASE FLASHING INNER PLY AND LIQUID APPLIED REINFORCED FLASHING WITH MATCHING GRANULARS. USE FLAMELESS TORCH AT ALL VERTICAL BASE FLASHING APPLICATIONS. TEMPORARILY REMOVE AND REINSTALL MECHANICAL FANS AND CONDUITS AS NECESSARY TO ALLOW FOR ROOF INSTALLATION. SEAL ALL PENETRATIONS AND BASE FLASHINGS WITH LIQUID APPLIED REINFORCED MEMBRANE. APPLY WALKING PADS TO AND AROUND ALL MECHANICAL EQUIPMENT. SEE SPECIFICATION SECTION 07216.

1.2 TEMPORARY REMOVAL: TEMPORARILY REMOVE THE FOLLOWING 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 REMOVAL AND STORAGE FOR REINSTALLATION: EXISTING RAILINGS ARE TO BE REMOVED, TAGGED AND STORED FOR REINSTALLATION.

1.4 ENGINEERING: CONTRACTOR TO COMPLETE PULL TESTS OF THE PROPOSED ROOF SYSTEM PER TAS 124 CRITERIA. PROVIDE ENGINEERING CALCULATIONS PREPARED BY A STATE OF FLORIDA LICENSED STRUCTURAL ENGINEER INCLUDING THE TESTED MOA FOR EACH ROOF WIND ZONE. SUBMIT THE PULL TEST RESULTS AND THE ENGINEERED COVER BOARD FASTENER SPACING CALCULATIONS TO THE ARCHITECT AND MANUFACTURER FOR REVIEW PRIOR TO COMMENCEMENT OF THE ROOFING INSTALLATION. SEE A-7.0 FOR WIND UPLIFT PRESSURES. CONTRACTOR TO PROVIDE ENGINEERED SHOP DRAWINGS FOR NEW RAILING INSTALLATION AND PAVER/PEDESTAL SYSTEM.

1.5 SUBSTRATE PREPARATION AND INSTALLATION: REMOVE DETERIORATED EXISTING WOOD DECKING AND PATCH WITH NEW MARINE GRADE PLYWOOD. REMOVE EXISTING WOOD BLOCKING AND INSTALL NEW WOOD BLOCKING AND SIDING AS REQUIRED TO ACCOMMODATE THICKNESS OF THE NEW ROOF SYSTEM. SECURE NEW WOOD BLOCKING WITH NEW 1/2" WOOD SCREWS AT 6" O.C. TO EXISTING THE STRUCTURAL WOOD DECK. INSTALL TAPERED POLYISOCYANURATE AS NECESSARY TO PITCH ROOF TO DRAIN, MIN 1/8" PER FOOT. NO PONDING WILL BE ACCEPTABLE. MECHANICALLY ATTACH A CEMENTITIOUS COVER BOARD THROUGH THE POLYISOCYANURATE INSULATION INTO THE WOOD DECK TO MEET OR EXCEED PROJECT WIND UPLIFT CRITERIA.

1.9 RAILING FLASHING: AT BASE FLASHINGS OF WOOD RAILING POSTS, REMOVE DAMAGED AND DETERIORATED PLYWOOD SHEATHING. INSTALL NEW MARINE GRADE PLYWOOD AS NECESSARY. APPLY WOOD PRIMER PER ROOF MANUFACTURERS INSTALLATION REQUIREMENTS. APPLY 4"x4" STRIPPING PLY OF SMOOTH MODIFIED BITUMEN BASE SHEET OVER HORIZONTAL BASE PLY AND ONTO THE VERTICAL SUBSTRATE SHEATHING. TERMINATE ROOF CAP SHEET AT THE BASE OF THE WALL. INSTALL FULLY REINFORCED LIQUID MEMBRANE MIN. 8" ONTO THE HORIZONTAL AND 8" VERTICALLY. SEE SPECIFICATION SECTION 07216.

2.1 METAL EDGE FLASHING INSTALLATION: INSTALL NEW PRE-MANUFACTURED ALUMINUM METAL EDGE FLASHING TO MEET ANS/APRI ES-1 REQUIREMENTS. INSTALL FULLY WELDED/SOLDERED ONE PIECE TRANSITION FLASHINGS AT CORNERS, TRANSITIONS AND TERMINATIONS. RESECURE ALL WOOD BLOCKING PER PROJECT WIND UPLIFT PRESSURES AND ES-1 REQUIREMENTS. PRIME AND PAINT METAL EDGE TO MATCH ADJACENT BUILDING SURFACES.

2.2 TRANSITION METAL: REMOVE STUCCO AT TRANSITION METAL FLASHING. SET FLASHING IN SEALANT AND MECHANICALLY SEAL ROOF SIDE. PROVIDE CLEAR EXTENDING PAST ROOF FLASHING. SEAL ALL PERIMETER JOINTS AT STUCCO.

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REVISIONS		
NUMBER	TYPE	DATE

DRAWN BY: JHR PROJECT NUMBER: 19-020
APPROVED BY: JEA PHASE: BID DOCUMENTS
ENGINEER: DATE: SEPTEMBER 25, 2019

PHOTOGRAPHS

PLOT: N.T.S. SHEET

A7.2