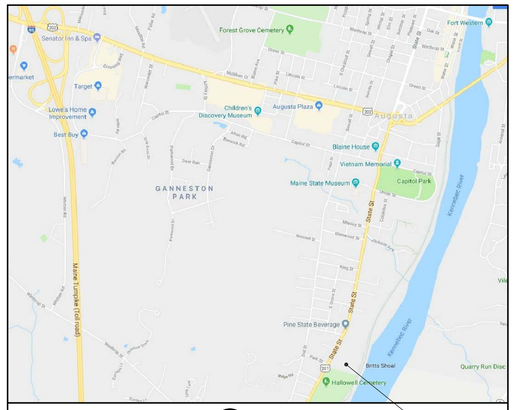
BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS (BABLO) ROOF REPLACEMENT PHASE 2

HALLOWELL, ME

AREA MAP
NOT TO SCALE



LOCATION MAP NOT TO SCALE

LIST OF DRAWINGS

DISCIPLINE SHEET NO	SEQUENCE NO	DRAWING TITLE
G-001	1 OF 15	COVER SHEET
SF101	2 OF 15	PARTIAL ROOF FRAMING PLAN AND DETAILS
AD120	3 OF 15	OVERALL REMOVALS ROOF PLAN
AD121	4 OF 15	REMOVALS ROOF PART PLAN 1
AD122	5 OF 15	REMOVALS ROOF PART PLAN 2
AD501	6 OF 15	REMOVALS ROOF DETAILS
AE120	7 OF 15	OVERALL ROOF PLAN
AE121	8 OF 15	ROOF PART PLAN 1
AE122	9 OF 15	ROOF PART PLAN 2
AE501	10 OF 15	ROOF DETAILS
M-001	11 OF 15	MECHANICAL LEGENDS AND ABBREVIATIONS
MD101	12 OF 15	WEST ROOF MECHANICAL REMOVALS PART PLAN
MD102	13 OF 15	EAST ROOF MECHANICAL REMOVALS PART PLAN
M-101	14 OF 15	WEST ROOF MECHANICAL PART PLAN
M-102	15 OF 15	EAST ROOF MECHANICAL PART PLAN

GENERAL CONSTRUCTION NOTES

1. WORK INCLUDED IN THIS CONTRACT SHALL CONFORM TO STATE, NATIONAL AND OTHER CODES AND ORDINANCES WHICH APPLY TO THIS PROJECT INCLUDING IBC 2015 AND NFPA 101, 2009.
2. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO THE ARCHITECT. PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED.
3. WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY. DO NOT SCALE DRAWINGS.
4. CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT NATURAL AREAS TO REMAIN.
5. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A SAFE, WEATHER TIGHT, SECURE, NEAT AND CLEAN MANNER.
6. PROVIDE TEMPORARY PROTECTION FROM THE WEATHER FOR EXPOSED STRUCTURE.
7. PROVIDE BARRICADES AND SIGNAGE AT WORK AREAS TO PREVENT THE PUBLIC FROM ENTERING AREAS OF WORK.
8. COORDINATE THE TIMING AND SEQUENCE OF WORK WITH OWNER AND THE APPROPRIATE AUTHORITIES.
9. DISRUPTIVE WORK: DISRUPTIVE/NOISY WORK SHALL BE PERFORMED AS DIRECTED BY THE OWNER.
10. PERFORM WATER HOSE TEST ON EXISTING ROOF DRAINS TO VERIFY ROOF-DRAIN PIPING IS DRAINING PROPERLY. REPORT TO OWNER IF PIPE BLOCKAGE IS DETECTED DUE TO ROOF WATER DRAINAGE.

ABBREVIATIONS

@	AT
&	AND
#	NUMBER
±	PLUS OR MINUS
ALUM	ALUMINUM
ADJ	ADJACENT
BD	BOARD
BLDG	BUILDING
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ELEV	ELEVATION
ETR	EXISTING TO REMAIN
ERD	EXISTING ROOF DRAIN
EV	EXISTING VENT
EXIST	EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
GA	GALVANIZED
H,HGT	HEIGHT
HORIZ	HORIZONTAL
MAX	MAXIMUM
MFR'S	MANUFACTURER'S
MIN	MINIMUM
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
OC	ON CENTER
PNT	PAINT
PT	PRESSURE TREATED
RD	ROOF DRAIN
REINF	REINFORCED
SF	SQUARE FEET
SIM	SIMILAR
SQ	SQUARE
SS	STAINLESS STEEL
STL	STEEL
STRUCT	STRUCTURAL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
VERT	VERTICAL
W/	WITH
WD	WOOD

LEGEND

DETAIL NUMBER
SHEET WHERE DETAIL IS DRAWN
SHEETS WHERE DETAIL IS TAKEN

INDICATES DIRECTION OF CUTTING PLANE
WALL SECTION OR ELEVATION NUMBER
SHEET WHERE WALL SECTION OR ELEVATION IS DRAWN
SHEETS WHERE WALL SECTION OR ELEVATION IS TAKEN

[1] NEW WORK KEYNOTE
(1) DEMO KEYNOTE
◇1 EXISTING ITEM KEYNOTE

DETAIL 4/AE740 — DETAIL NUMBER / SHEET NUMBER WHERE DETAIL IS DRAWN

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LICENSED ARCHITECT
WILLIAM VAN BENTHUYSEN
No. 3974
STATE OF MAINE
8.30.19 21805.03A

DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

COVER SHEET

SCALE: AS NOTED
DATE: 08/30/19

DWG.: G-001

SHEET: 1 OF 15

29 Aug, 2019 - 11:25am
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STRUCTURAL NOTES

STRUCTURAL STEEL

1. CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "MANUAL OF STEEL CONSTRUCTION FOURTEENTH EDITION".
2. STEEL FOR CONNECTIONS AND ANGLES: ASTM A36 (Fy=36 KSI).

STEEL DECK

1. STEEL DECKS: AISI SG03-3 AND STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS". DECK UNITS ASTM A653/A653 SQ, GRADE 40, COATING G90 FOR ASTM A653/A653M. FASTEN ROOF DECK WITH #12 SCREWS ON A 36/4 PATTERN WITH (2) #10 SCREWS PER SPAN (STITCH CONNECTION).

   STEEL ROOF DECK = NON-CELLULAR, GRADE C.
   MINIMUM DEPTH = 1-1/2" (MINIMUM DESIGN THICKNESS: 0.0474 IN (18 GAUGE))
   MINIMUM SECTION MODULUS = Sx = 0.32 IN^3
   MINIMUM MOMENT OF INERTIA = Ix = 0.30 IN^4

GENERAL NOTES

1. FIELD VERIFY DIMENSIONS AND ELEVATIONS OF STRUCTURAL STEEL MEMBERS PRIOR TO FABRICATION OF ANY MEMBERS. REPORT DISCREPANCIES TO THE OWNER PRIOR TO FABRICATION OF MEMBERS.
2. PROVIDE TEMPORARY SUPPORT OF FRAMING DURING CONSTRUCTION TO PREVENT FAILURE AND DAMAGE.
3. COORDINATE THE LOCATION OF STEEL MEMBERS WITH ARCHITECTURAL PLANS AND DETAILS.

STRUCTURAL ABBREVIATIONS:

±	PLUS OR MINUS
∡	ANGLE
AISI	AMERICAN IRON AND STEEL INSTITUTE
ARCH	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
COL	COLUMN
CONN	CONNECTION
CONT	CONTINUOUS
EA	EACH
EOD	EDGE OF DECK
EQ	EQUAL
EXIST	EXISTING
Fy	YIELD STRESS
GA	GAUGE
GALV	GALVANIZED
HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
IN	INCH
K	KIPS
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MPH	MILES PER HOUR
#, NO	NUMBER
OC	ON CENTER
PSF	POUNDS PER SQUARE FOOT
REQ'D	REQUIRED
STL	STEEL
TJE	TOP OF JOIST ELEVATION
TOS	TOP OF STEEL
TYP	TYPICAL
VERT	VERTICAL
W/	WITH
WT	WEIGHT

BUILDING DESIGN LOADS

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015

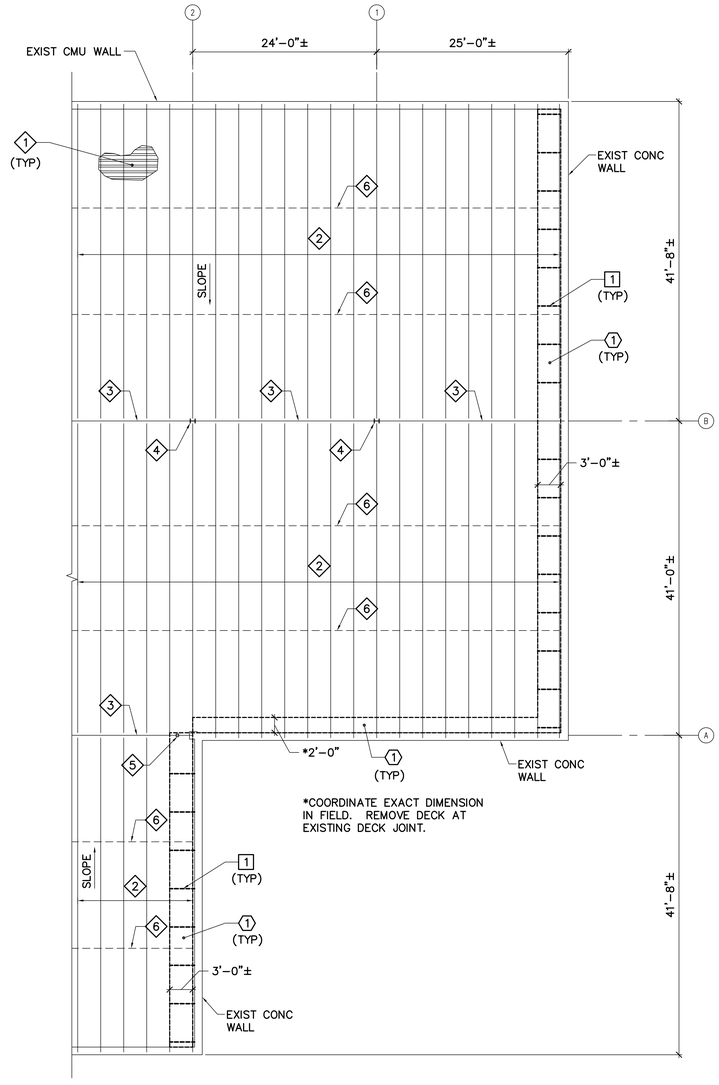
GROUND SNOW LOAD (Pg) = 80 PSF

SNOW EXPOSURE FACTOR (Ce) = 1.0
SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0
SNOW LOAD THERMAL FACTOR (Ct) = 1.1

BALANCED ROOF SNOW LOAD (Pf) = 54 PSF
SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
ROOF DEAD LOAD = 20 PSF
ROOF LIVE LOAD = 20 PSF

WIND LOAD ASCE 7-10/IBC 2015

BASIC WIND SPEED = 115 MPH
WIND LOAD RISK CATEGORY = II
WIND EXPOSURE = EXPOSURE B
BUILDING TYPE = "ENCLOSED"



1 SF101 PARTIAL ROOF FRAMING PLAN
SF101 SCALE: 1/8"=1'-0"

PLAN NORTH

EXISTING KEYNOTES: (THIS SHEET ONLY)

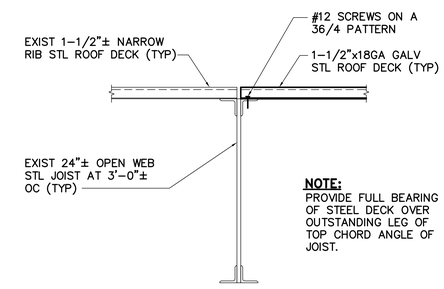
1. EXISTING 1-1/2"± NARROW RIB STEEL ROOF DECK.
2. EXISTING 24"± DEEP OPEN WEB STEEL JOISTS AT 3'-0"± ON-CENTER.
3. EXISTING WIDE FLANGE STEEL BEAM.
4. EXISTING WIDE FLANGE STEEL COLUMN.
5. EXISTING HOLLOW SECTION COLUMN.
6. EXISTING STEEL BRIDGING.

REMOVALS KEYNOTES: (THIS SHEET ONLY)

1. REMOVE SECTION OF EXISTING STEEL ROOF DECK AND REPLACE WITH 1-1/2"x18GA GALVANIZED STEEL ROOF DECK. SEE DETAIL 2/SF101 FOR CONNECTION TO EXISTING OPEN WEB STEEL JOIST.

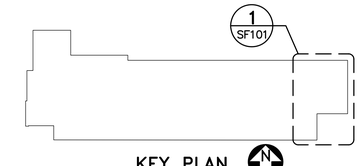
KEYNOTES: (THIS SHEET ONLY)

1. PROVIDE ∡1-1/2x1-1/2x1/4 BRIDGING IN "X" CONFIGURATION AT 5'-0" ON-CENTER. WELD TO JOISTS WITH 1/8" FILLET WELD ALL AROUND.



NOTE:
PROVIDE FULL BEARING OF STEEL DECK OVER OUTSTANDING LEG OF TOP CHORD ANGLE OF JOIST.

2 SF101 1-1/2" STEEL ROOF DECK CONN DETAIL
SF101 SCALE: 1-1/2"=1'-0"



KEY PLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALES

1-1/2"=1'-0" 1' 8" 4" 0 1'

1/8"=1'-0" 8' 4' 0 8' 16'

CHECK GRAPHIC SCALES BEFORE USING

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STATE OF MAINE DAVID N. MARTIN No. 6192 LICENSED PROFESSIONAL ENGINEER

DESIGNED BY: DNM
DRAWN BY: MJC
CHECKED BY: DNM
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

PARTIAL ROOF FRAMING PLAN AND DETAILS

SCALE: AS NOTED
DATE: 08/30/19
DWG.: **SF101**
SHEET: 2 OF 15

29 Aug, 2019 - 8:20am
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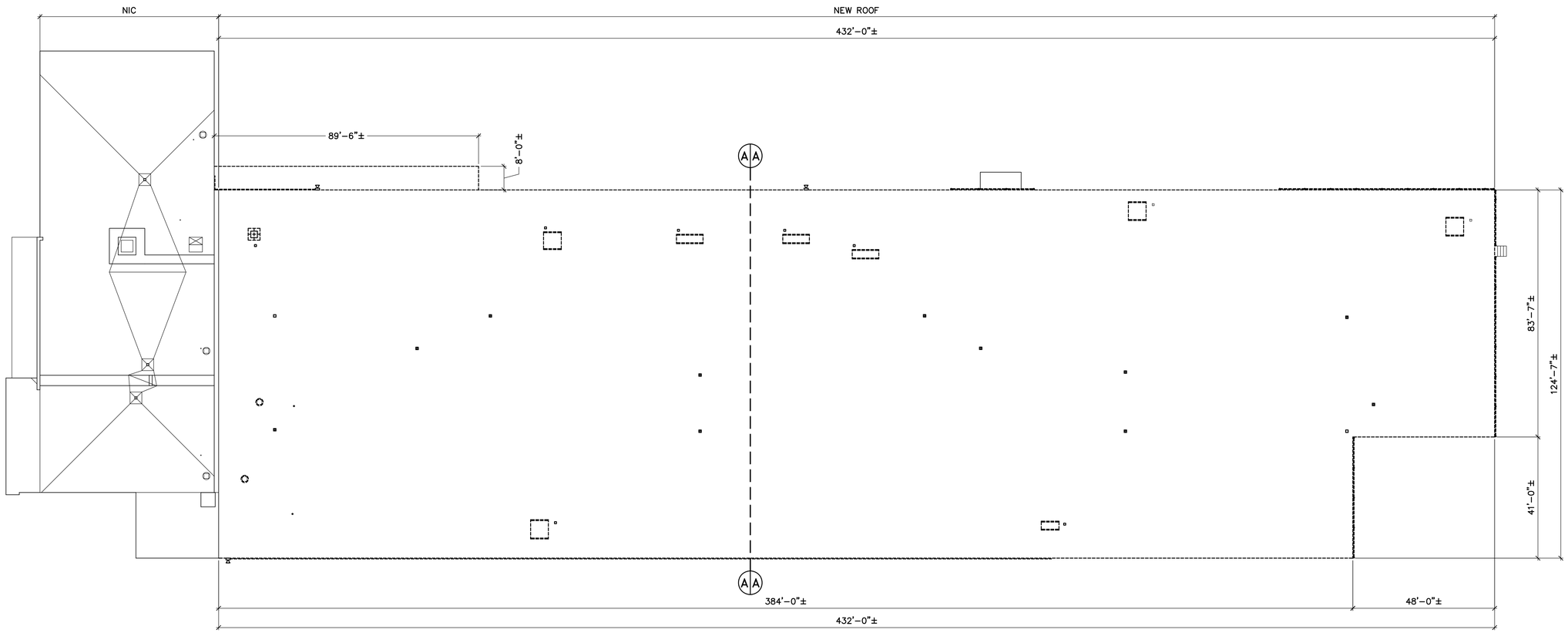
GENERAL SHEET NOTES:

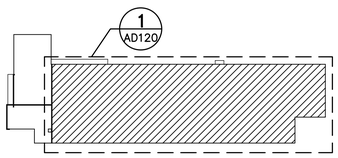
1. ALL ITEMS ON THIS DRAWING ARE EXISTING UNLESS NOTED OTHERWISE.
2. DURING ROOF REMOVALS EXISTING WOOD BLOCKING IS TO BE EXAMINED FOR DAMAGE OR DECAY. IF UNSUITABLE WOOD BLOCKING IS ENCOUNTERED THE OWNER AND ARCHITECT ARE TO BE NOTIFIED PRIOR TO START OF NEW ROOF SYSTEM INSTALLATION. UNSUITABLE BLOCKING IS TO BE REPLACED AS DIRECTED BY THE ARCHITECT.
3. COORDINATE REMOVALS WITH STRUCTURAL AND MECHANICAL SHEETS.



1 AD120 OVERALL REMOVALS ROOF PLAN
SCALE: 1/16"=1'-0"

LEGEND:

- EXHAUST FAN
- VENT
- ROOF DRAIN
- PITCH POCKET
- MECHANICAL UNIT RAILS
- ROOF TOP PAD MOUNTED MECHANICAL UNIT



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/16"=1'-0"
16' 8' 0 16' 32'
CHECK GRAPHIC SCALE BEFORE USING

29 Aug, 2019 - 11:28am
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LICENSED ARCHITECT
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No. 3074
STATE OF MAINE
8.30.19 21805.03A

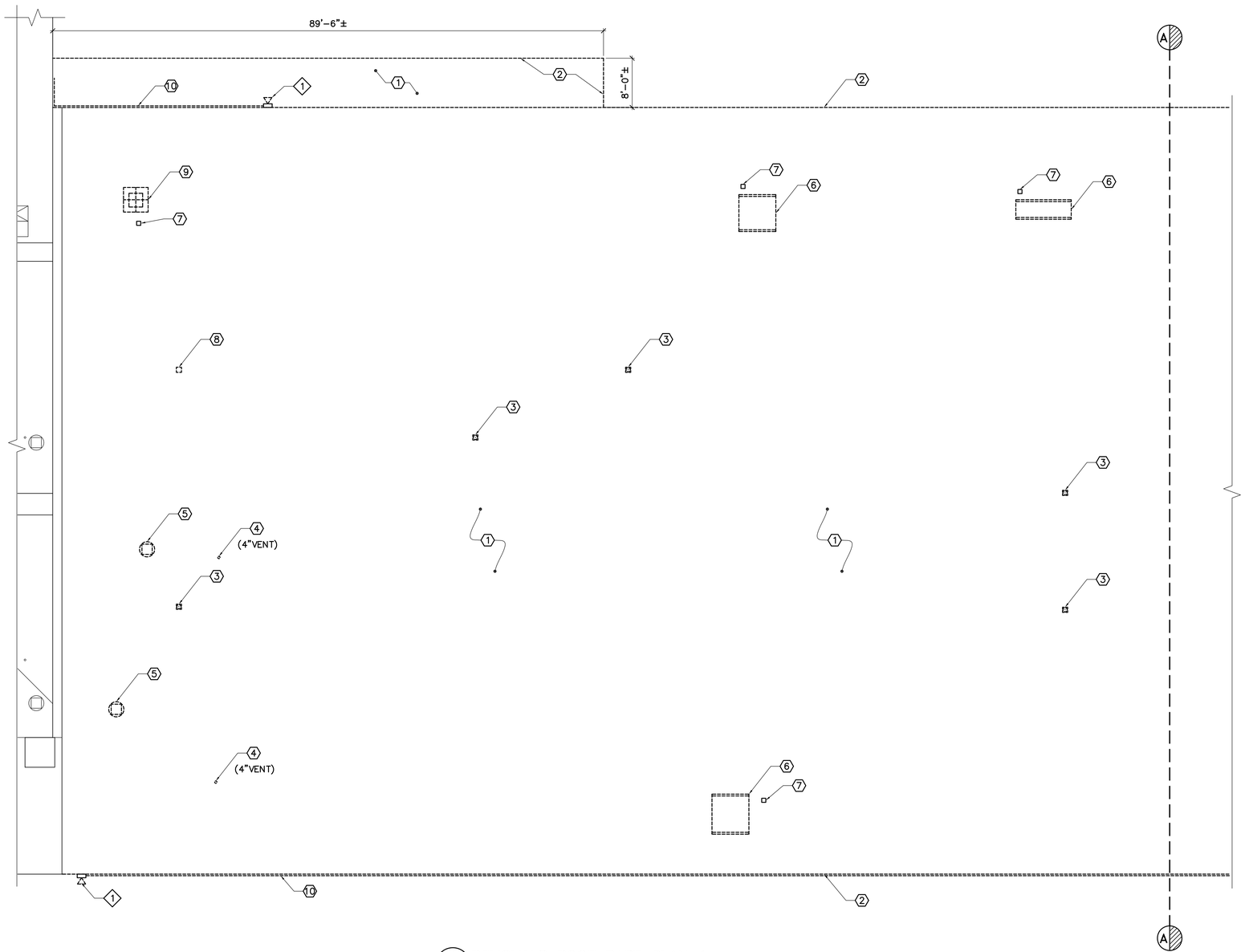
DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

OVERALL REMOVALS ROOF PLAN

SCALE: AS NOTED
DATE: 08/30/19
DWG.: AD120
SHEET: 3 OF 15



1 AD121 REMOVALS ROOF PART PLAN 1
SCALE: 1/8"=1'-0"

GENERAL SHEET NOTES:

1. ALL ITEMS ON THIS DRAWING ARE EXISTING UNLESS NOTED OTHERWISE.
2. DURING ROOF REMOVALS EXISTING WOOD BLOCKING IS TO BE EXAMINED FOR DAMAGE OR DECAY. IF UNSUITABLE WOOD BLOCKING IS ENCOUNTERED THE OWNER AND ARCHITECT ARE TO BE NOTIFIED PRIOR TO START OF NEW ROOF SYSTEM INSTALLATION. UNSUITABLE BLOCKING IS TO BE REPLACED AS DIRECTED BY THE ARCHITECT.
3. COORDINATE REMOVALS WITH STRUCTURAL AND MECHANICAL SHEETS.
4. SEE SHEET AD120 FOR DIMENSIONS

REMOVAL KEYNOTES: (THIS SHEET ONLY)

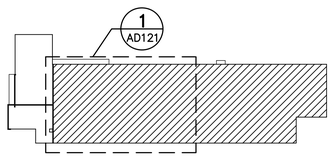
1. REMOVE BALLASTED EPDM ROOF AND RIGID INSULATION ROOF SYSTEM TO ROOF DECK. SEE DETAIL 1/AD501.
2. REMOVE METAL/WOOD FASCIA SYSTEM IN ITS ENTIRETY. SEE DETAIL 4/AD501.
3. REMOVE ROOF DRAIN ASSEMBLY AND WOOD BLOCKING. SEE DETAIL 3/AD501. REFER TO DRAWING MD101 FOR MORE INFORMATION.
4. REMOVE VENT PIPE MEMBRANE FLASHING. SEE DETAIL 2/AD501.
5. DISCONNECT AND REMOVE CURB MOUNTED ROOF TOP EXHAUST FAN AND STORE FOR REINSTALLATION. REMOVE MEMBRANE FLASHING AT CURB. SEE DETAIL 5/AD501.
6. DISCONNECT AND REMOVE RAIL MOUNTED ROOF TOP AC UNITS AND STORE FOR REINSTALLATION. REMOVE MEMBRANE FLASHING. SEE DETAIL 8/AD501.
7. CUT OUT AND REMOVE PITCH POCKET. CAREFULLY PROTECT EXISTING CONDUIT AND PIPING PENETRATIONS DURING REMOVALS. SEE DETAIL 6/AD501.
8. CUT OUT AND REMOVE EXISTING METAL DECK AS REQUIRED FOR INSTALLATION OF NEW ROOF DRAIN.
9. DISCONNECT AND REMOVE ROOF TOP MECHANICAL UNIT AND STORE FOR REINSTALLATION. REMOVE (4) 2'-0"x2'-0" CONCRETE PADS AND STORE FOR REINSTALLATION. SEE DETAIL 9/AD501.
10. TEMPORARILY DETACH SURFACE MOUNTED ELECTRICAL CONDUIT FOR FASCIA REMOVALS. REATTACH CONDUIT AFTER NEW FASCIA INSTALLATION.

EXISTING KEYNOTES: (THIS SHEET ONLY)

1. SECURITY LIGHT FIXTURE.

LEGEND:

- EXHAUST FAN
- VENT
- ROOF DRAIN
- PITCH POCKET
- MECHANICAL UNIT RAILS
- ROOF TOP PAD MOUNTED MECHANICAL UNIT



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
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1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

29 Aug, 2019 - 11:29am
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LICENSED ARCHITECT
WILLIAM VAN BENTHUYSEN
No. 3974
STATE OF MAINE
8.30.19 21805.03A

DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

REMOVALS ROOF PART PLAN 1

SCALE: AS NOTED
DATE: 08/30/19
DWG.: AD121
SHEET: 4 OF 15

LEGEND:

- EXHAUST FAN
- VENT
- ROOF DRAIN
- PITCH POCKET
- MECHANICAL UNIT RAILS
- ROOF TOP PAD MOUNTED MECHANICAL UNIT

GENERAL SHEET NOTES:

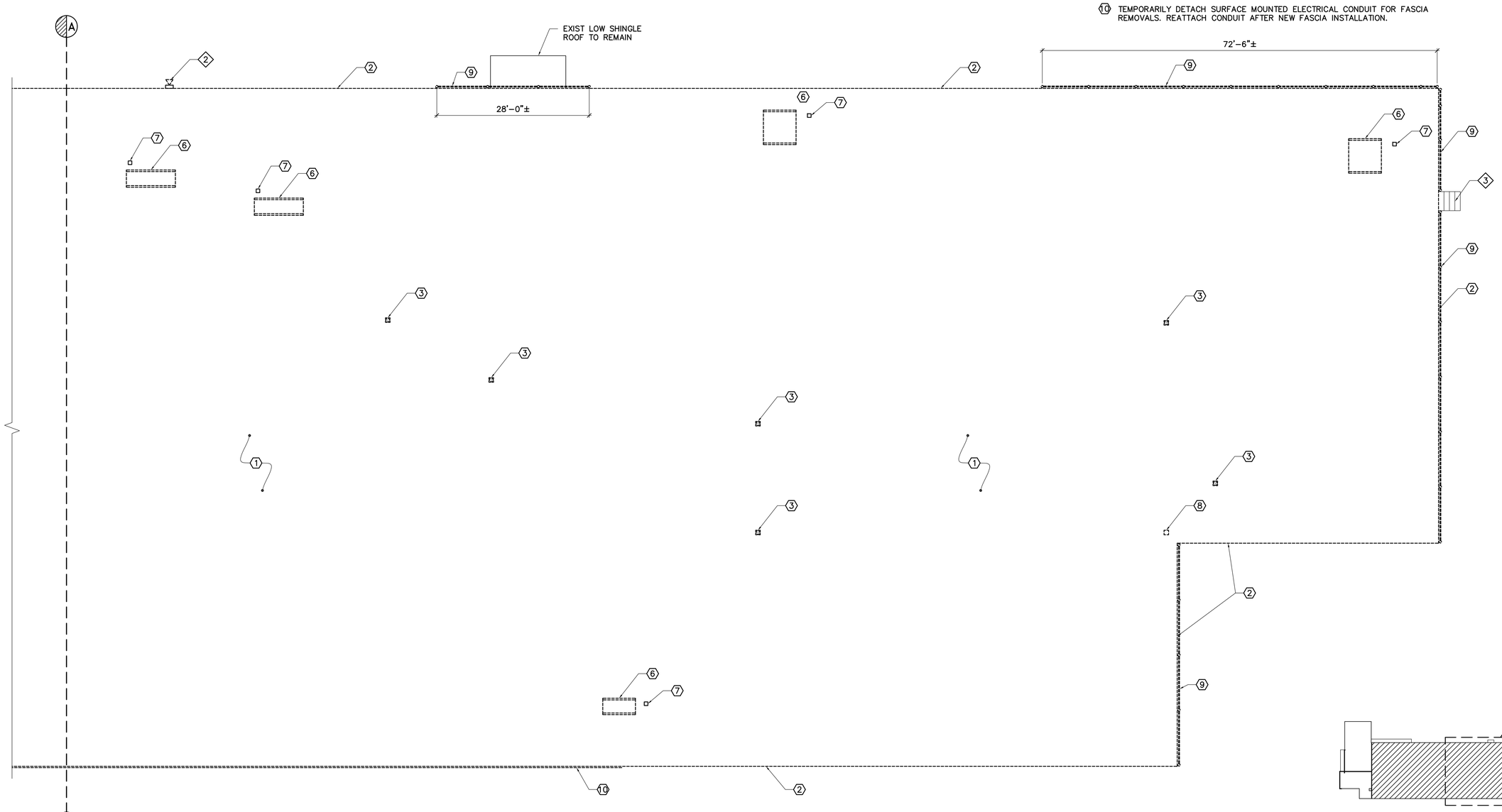
1. ALL ITEMS ON THIS DRAWING ARE EXISTING UNLESS NOTED OTHERWISE.
2. DURING ROOF REMOVALS EXISTING WOOD BLOCKING IS TO BE EXAMINED FOR DAMAGE OR DECAY. IF UNSUITABLE WOOD BLOCKING IS ENCOUNTERED THE OWNER AND ARCHITECT ARE TO BE NOTIFIED PRIOR TO START OF NEW ROOF SYSTEM INSTALLATION. UNSUITABLE BLOCKING IS TO BE REPLACED AS DIRECTED BY THE ARCHITECT.
3. COORDINATE REMOVALS WITH STRUCTURAL AND MECHANICAL SHEETS.
4. SEE SHEET AD120 FOR DIMENSIONS

EXISTING KEYNOTES: (THIS SHEET ONLY)

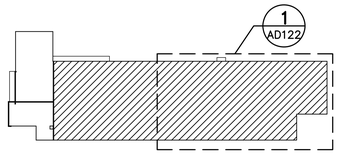
1. EXISTING SHINGLE ROOF.
2. SECURITY LIGHT FIXTURE.
3. WOOD STAIRS.

REMOVAL KEYNOTES: (THIS SHEET ONLY)

1. REMOVE BALLASTED EPDM ROOF AND RIGID INSULATION ROOF SYSTEM TO ROOF DECK. SEE DETAIL 1/AD501.
2. REMOVE METAL/WOOD FASCIA SYSTEM IN ITS ENTIRETY. SEE DETAIL 4/AD501.
3. REMOVE ROOF DRAIN ASSEMBLY AND WOOD BLOCKING. SEE DETAIL 3/AD501. REFER TO DRAWING MD101 FOR MORE INFORMATION.
4. REMOVE VENT PIPE MEMBRANE FLASHING. SEE DETAIL 2/AD501.
5. DISCONNECT AND REMOVE CURB MOUNTED ROOF TOP EXHAUST FAN AND STORE FOR REINSTALLATION. REMOVE MEMBRANE FLASHING AT CURB. SEE DETAIL 5/AD501.
6. DISCONNECT AND REMOVE RAIL MOUNTED ROOF TOP AC UNITS AND STORE FOR REINSTALLATION. REMOVE MEMBRANE FLASHING. SEE DETAIL 8/AD501.
7. CUT OUT AND REMOVE PITCH POCKET. CAREFULLY PROTECT EXISTING CONDUIT AND PIPING PENETRATIONS DURING REMOVALS. SEE DETAIL 6/AD501.
8. CUT OUT AND REMOVE EXISTING METAL DECK AS REQUIRED FOR INSTALLATION OF NEW ROOF DRAIN. COORDINATE LOCATION WITH EXISTING INTERIOR ROOF FRAMING.
9. REMOVE 4'-0"± HIGH CHAIN LINK FENCE SYSTEM. SEE DETAIL 7/AD501.
10. TEMPORARILY DETACH SURFACE MOUNTED ELECTRICAL CONDUIT FOR FASCIA REMOVALS. REATTACH CONDUIT AFTER NEW FASCIA INSTALLATION.



1 / AD122 REMOVALS ROOF PART PLAN 2
SCALE: 1/8"=1'-0"



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

29 Aug, 2019 - 11:31am
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LICENSED ARCHITECT
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STATE OF MAINE
8.30.19 21805.03A

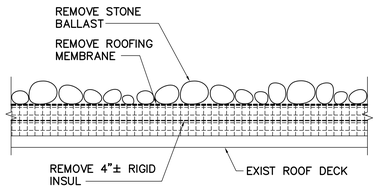
DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

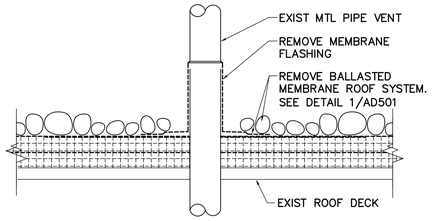
BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

REMOVALS ROOF PART PLAN 2

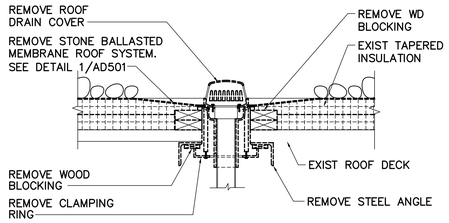
SCALE: AS NOTED
DATE: 08/30/19
DWG.: **AD122**
SHEET: 5 OF 15



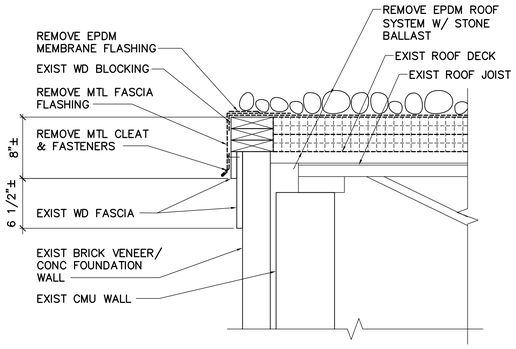
1 TYP STONE BALLASTED MEMBRANE ROOF SYSTEM DETAIL
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



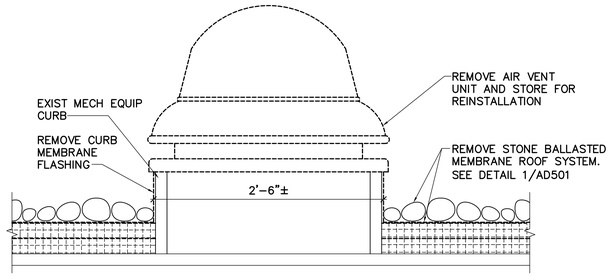
2 TYP REMOVALS MTL PIPE VENT DETAIL
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



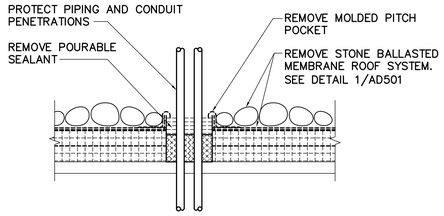
3 TYP REMOVAL DETAIL @ ROOF DRAIN
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



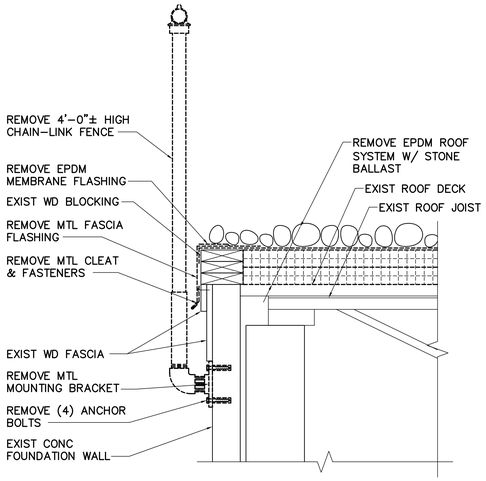
4 TYP REMOVALS FASCIA DETAIL
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



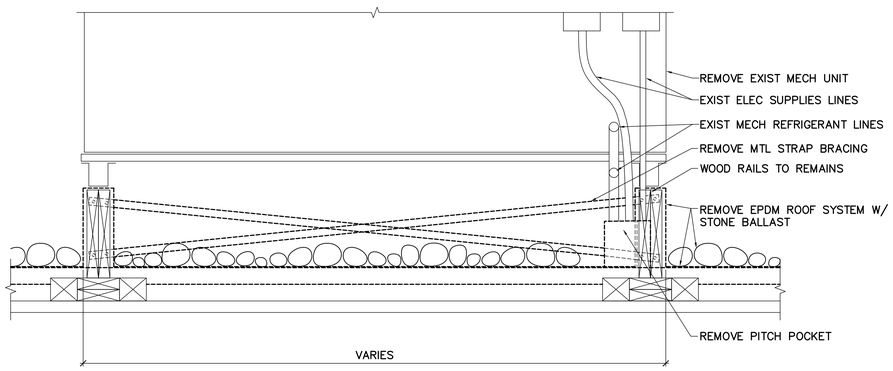
5 TYP REMOVALS CURB DETAIL
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



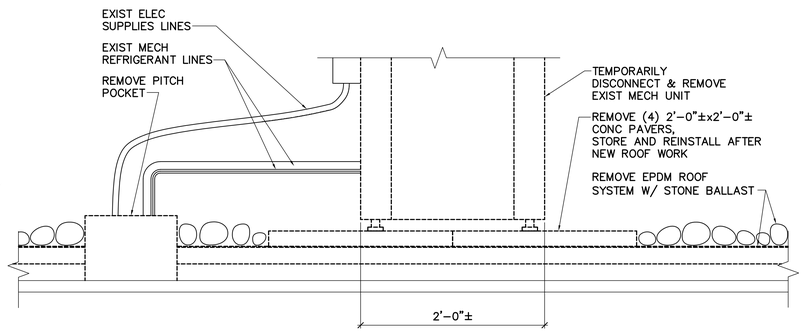
6 TYP REMOVALS PITCH POCKET DETAIL
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



7 TYP REMOVALS DETAIL
AD122 AD501 SCALE: 1-1/2"=1'-0"



8 TYP REMOVALS CURB DETAIL
AD121, AD122 AD501 SCALE: 1-1/2"=1'-0"



9 TYP REMOVALS PAD DETAIL
AD121 AD501 SCALE: 1-1/2"=1'-0"

GRAPHIC SCALE
1-1/2"=1'-0" 1' 8" 4" 0 1'
CHECK GRAPHIC SCALE BEFORE USING

29 Aug, 2019 - 11:32am
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LICENSED ARCHITECT WILLIAM VAN BENTHUYSEN No. 3974 STATE OF MAINE
8.30.19 21805.03A

DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

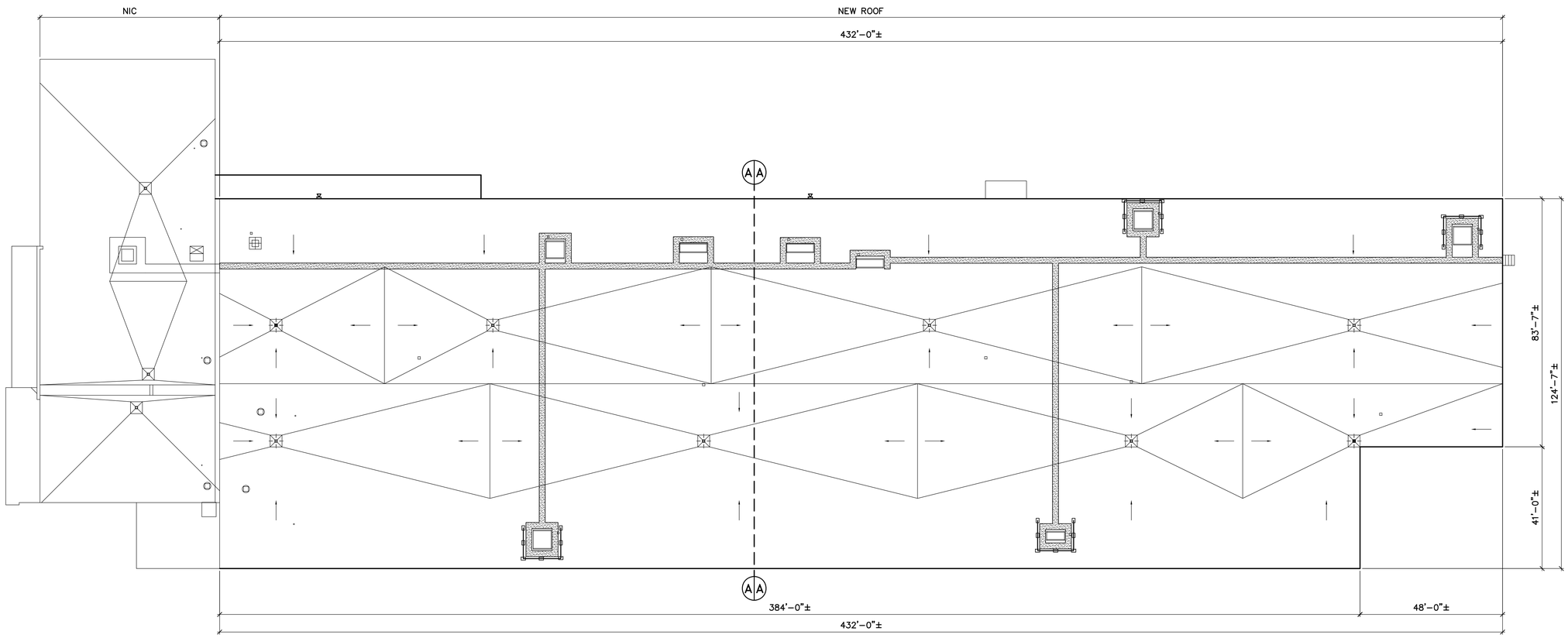
BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

REMOVALS ROOF DETAILS

SCALE: AS NOTED
DATE: 08/30/19
DWG.: AD501
SHEET: 6 OF 15

GENERAL SHEET NOTES:

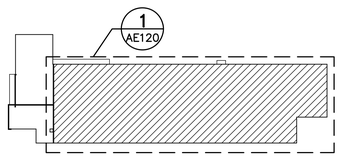
1. INSULATION SLOPES ARE BASED ON LIMITED EXISTING ROOF INFORMATION. EXISTING ROOF SLOPES ARE TO BE VERIFIED BY THE CONTRACTOR. INSULATION SLOPES ARE TO BE ADJUSTED BASED ON FIELD VERIFICATION.
2. A MINIMUM AVERAGE OF R-30 INSULATION VALUE IS TO BE MAINTAINED.
3. COORDINATE WORK WITH STRUCTURAL AND MECHANICAL SHEETS.



1 AE120 OVERALL ROOF PLAN
SCALE: 1/16"=1'-0"

LEGEND:

- EXISTING EXHAUST FAN
- EXISTING VENT
- ROOF DRAIN
- PITCH POCKET
- EXISTING MECHANICAL UNIT RAILS
- WALKWAY PADS



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/16"=1'-0"
16' 8' 0 16' 32'
CHECK GRAPHIC SCALE BEFORE USING

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LICENSED ARCHITECT
WILLIAM VAN BENTHUYSEN
No. 3974
STATE OF MAINE
8.30.19 21805.03A

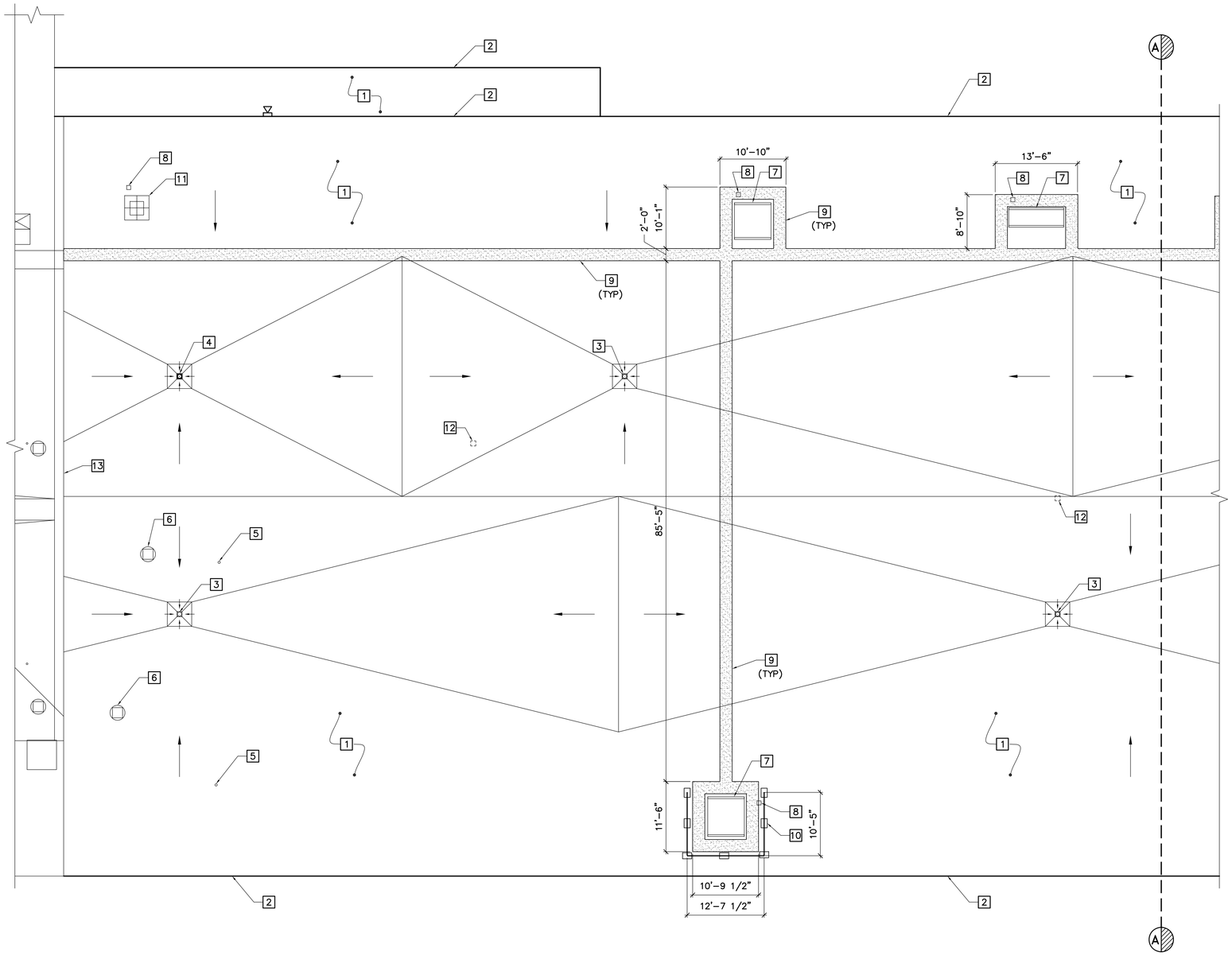
DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

OVERALL ROOF PLAN

SCALE: AS NOTED
DATE: 08/30/19
DWG.: AE120
SHEET: 7 OF 15



1 AE121 ROOF PART PLAN 1
SCALE: 1/8"=1'-0"

GENERAL SHEET NOTES:

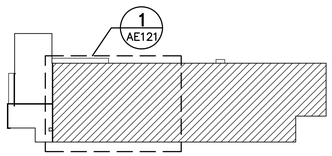
1. INSULATION SLOPES ARE BASED ON LIMITED EXISTING ROOF INFORMATION. EXISTING ROOF SLOPES ARE TO BE VERIFIED BY THE CONTRACTOR. INSULATION SLOPES ARE TO BE ADJUSTED BASED ON FIELD VERIFICATION.
2. A MINIMUM AVERAGE OF R-30 INSULATION VALUE IS TO BE MAINTAINED.
3. COORDINATE WORK WITH STRUCTURAL AND MECHANICAL SHEETS.
4. SEE SHEET AE120 FOR DIMENSIONS

KEYNOTES: (THIS SHEET ONLY)

1. EPDM ROOF SYSTEM. SEE DETAIL 1/AE501.
2. PREFABRICATED METAL ROOF EDGE AND METAL FASCIA SYSTEM. SEE DETAIL 5/AE501.
3. ROOF DRAIN. SEE DETAIL 3/AE501.
4. ROOF DRAIN AND LEADER. SEE DETAIL 3/AE501 (SIMILAR).
5. VENT PIPE EPDM MEMBRANE FLASHING. SEE DETAIL 2/AE501.
6. EPDM MEMBRANE CURB FLASHING AND REINSTALL/CONNENCT CURB MOUNTED ROOF TOP EXHAUST FAN. SEE DETAIL 5/AE501.
7. EPDM MEMBRANE RAIL FLASHING AND REINSTALL/CONNECT RAIL MOUNTED ROOF TOP AC UNIT. SEE DETAIL 6/AE501.
8. PITCH POCKET. SEE DETAIL 7/AE501.
9. MEMBRANE WALKWAY PADS. ALIGN WITH EXISTING WALKWAY PAD AT ROOF TRANSITION.
10. NON-PENETRATING GUARD RAIL SYSTEM.
11. REINSTALL CONCRETE PADS AND MECHANICAL UNIT.
12. PATCH ROOF DECK WITH STEEL DECKING AT REMOVED ROOF DRAIN.
13. TIE NEW ROOF MEMBRANE INTO EXISTING TRANSITION CURB MEMBRANE. SEE DETAIL 8/AE501.

LEGEND:

- EXISTING EXHAUST FAN
- EXISTING VENT
- ROOF DRAIN
- PITCH POCKET
- EXISTING MECHANICAL UNIT RAILS
- WALKWAY PADS



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

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LICENSED ARCHITECT
WILLIAM VAN BENTHUYSEN
No. 3974
STATE OF MAINE
8.30.19

DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

ROOF PART PLAN 1

SCALE: AS NOTED
DATE: 08/30/19
DWG.: AE121
SHEET: 8 OF 15

LEGEND:

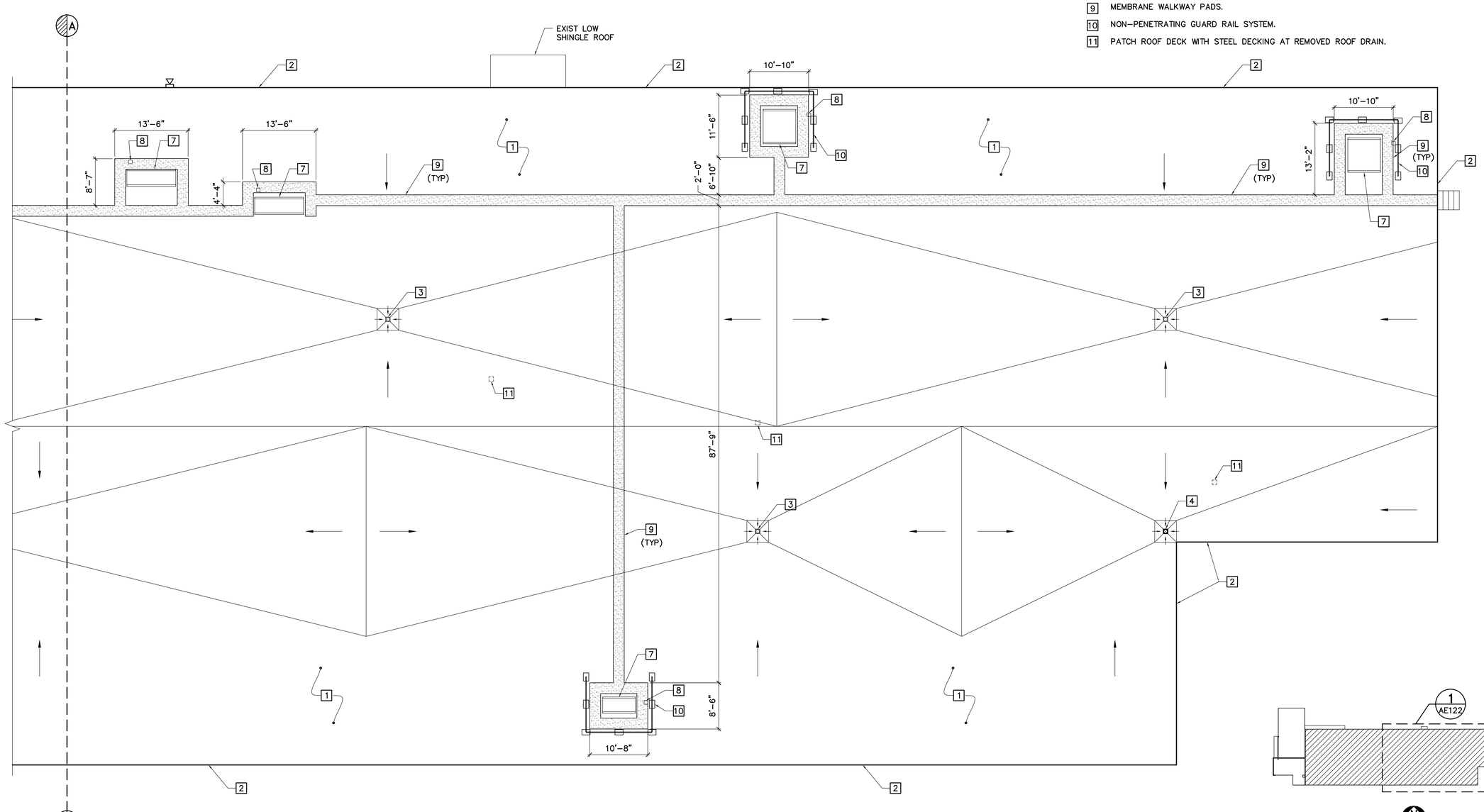
- EXISTING EXHAUST FAN
- EXISTING VENT
- ROOF DRAIN
- PITCH POCKET
- EXISTING MECHANICAL UNIT RAILS
- WALKWAY PADS

GENERAL SHEET NOTES:

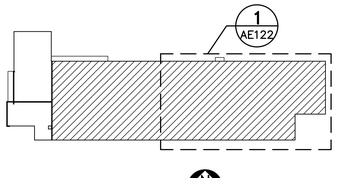
1. INSULATION SLOPES ARE BASED ON LIMITED EXISTING ROOF INFORMATION. EXISTING ROOF SLOPES ARE TO BE VERIFIED BY THE CONTRACTOR. INSULATION SLOPES ARE TO BE ADJUSTED BASED ON FIELD VERIFICATION.
2. A MINIMUM AVERAGE OF R–30 INSULATION VALUE IS TO BE MAINTAINED.
3. COORDINATE WORK WITH STRUCTURAL AND MECHANICAL SHEETS.
4. SEE SHEET AE120 FOR DIMENSIONS

KEYNOTES: (THIS SHEET ONLY)

1. EPDM ROOF SYSTEM. SEE DETAIL 1/AE501.
2. PREFABRICATED METAL ROOF EDGE AND METAL FASCIA SYSTEM. SEE DETAIL 5/AE501.
3. ROOF DRAIN. SEE DETAIL 3/AE501.
4. ROOF DRAIN AND LEADER. SEE DETAIL 3/AE501 (SIMILAR).
5. VENT PIPE EPDM MEMBRANE FLASHING. SEE DETAIL 2/AE501.
6. EPDM MEMBRANE CURB FLASHING AND REINSTALL/CONNENCT CURB MOUNTED ROOF TOP EXHAUST FAN. SEE DETAIL 5/AE501.
7. EPDM MEMBRANE RAIL FLASHING AND REINSTALL/CONNECT RAIL MOUNTED ROOF TOP AC UNIT. SEE DETAIL 6/AE501.
8. PITCH POCKET. SEE DETAIL 7/AE501.
9. MEMBRANE WALKWAY PADS.
10. NON–PENETRATING GUARD RAIL SYSTEM.
11. PATCH ROOF DECK WITH STEEL DECKING AT REMOVED ROOF DRAIN.



1 ROOF PART PLAN 2
AE122 SCALE: 1/8"=1'–0"



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'–0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

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LICENSED ARCHITECT
WILLIAM VAN BENTHUYSEN
No. 3074
STATE OF MAINE
8.30.19 21805.03A

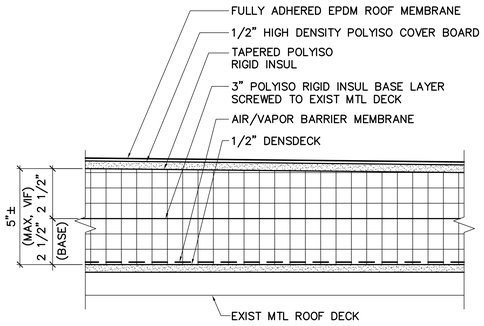
DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

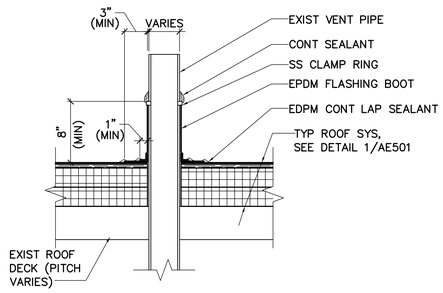
BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

ROOF PART PLAN 2

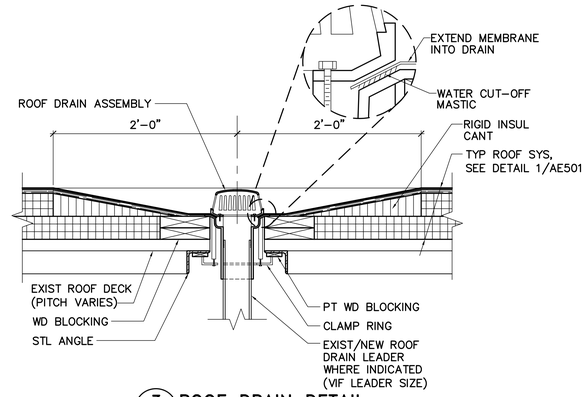
SCALE: AS NOTED
DATE: 08/30/19
DWG.: **AE122**
SHEET: 9 OF 15



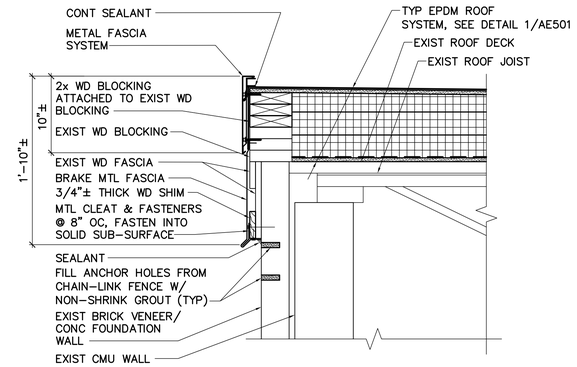
1 TYP EPDM ROOF SYSTEM
AE121, AE122 AE501 SCALE: 3"=1'-0"



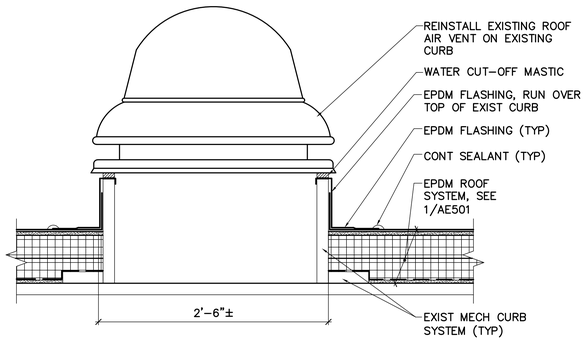
2 VENT PIPE FLASHING DETAIL
AE121, AE122 AE501 SCALE: 1-1/2"=1'-0"



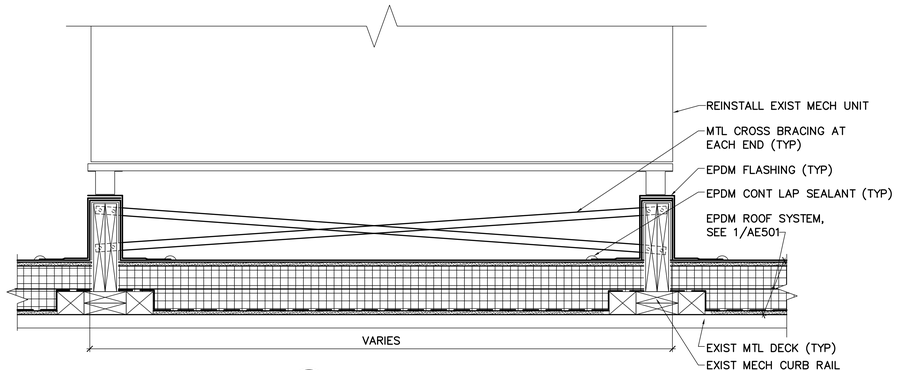
3 ROOF DRAIN DETAIL
AE121, AE122 AE501 SCALE: 1-1/2"=1'-0"



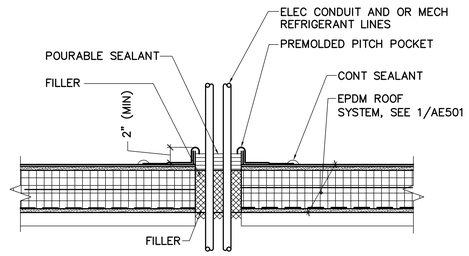
4 ROOF EDGE DETAIL TYP
AE121, AE122 AE501 SCALE: 1-1/2"=1'-0"



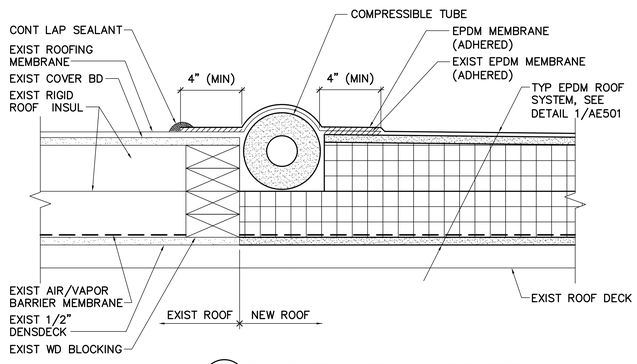
5 TYP CURB DETAIL
AE121 AE501 SCALE: 1-1/2"=1'-0"



6 TYP CURB DETAIL
AE121, AE122 AE501 SCALE: 1-1/2"=1'-0"



7 TYP PITCH POCKET DETAIL
AE121, AE122 AE501 SCALE: 1-1/2"=1'-0"



8 ROOF TRANSITION CURB DETAIL
AE121 AE501 SCALE: 3"=1'-0"

GRAPHIC SCALES
1'-1/2"=1'-0" 1' 8" 4" 0 1'
3"=1'-0" 6" 4" 2" 0 6"
CHECK GRAPHIC SCALES BEFORE USING

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LICENSED ARCHITECT WILLIAM VAN BENTHUYSEN No. 3974 STATE OF MAINE
8.30.19 21805.03A

DESIGNED BY: WVB
DRAWN BY: CRR
CHECKED BY: WVB
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

ROOF DETAILS

SCALE: AS NOTED
DATE: 08/30/19
DWG.: AE501
SHEET: 10 OF 15

MECHANICAL SYMBOLS LEGEND

ANNOTATION

- SYMBOL PER ABBREVIATION LIST (H)
- EQUIPMENT SEQUENCE NUMBER (2)
- NEW WORK KEYNOTE (1)
- DEMO KEYNOTE (1)
- EXISTING ITEM KEYNOTE (1)
- DIRECTION OF AIR FLOW
- CONNECT TO EXISTING

EQUIPMENT

- ROOFTOP EXHAUST FAN
- CONDENSING UNIT
- CONDENSING UNIT
- CONDENSING UNIT

PIPING

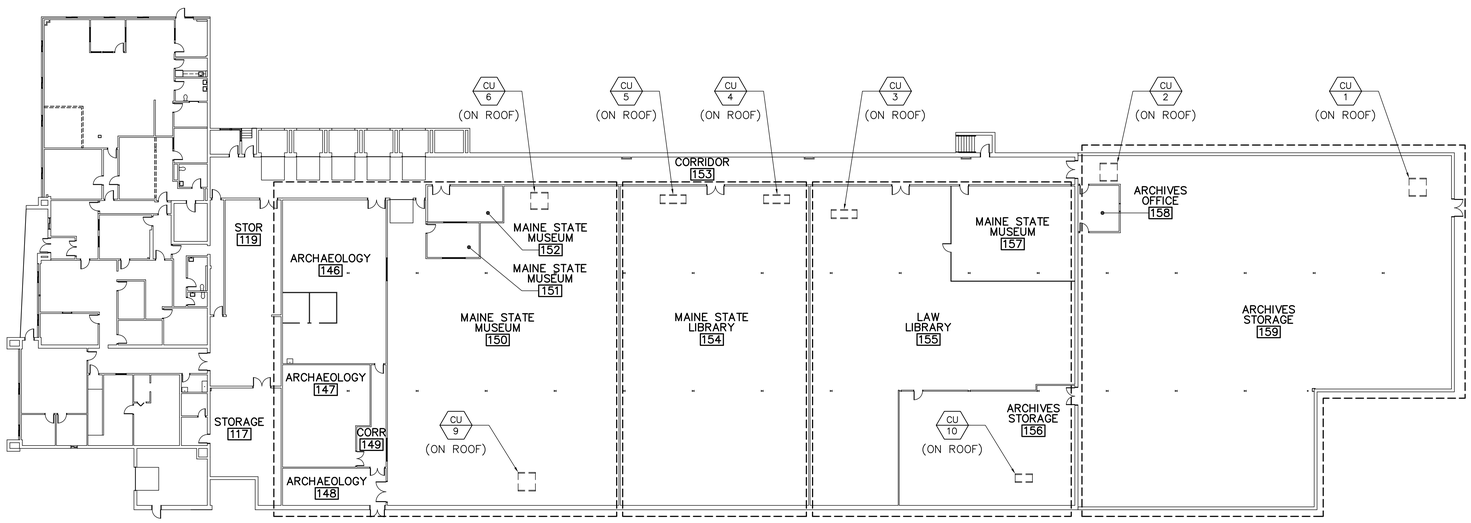
- ELBOW DOWN
- PIPE TEE UP OR UP AND DOWN
- ELBOW UP OR UP AND DOWN
- PIPE TEE DOWN
- BALL VALVE
- ROOF DRAIN

MECHANICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MBH	1000 BTU PER HOUR
APD	AIR PRESSURE DROP	MIN	MINIMUM
APPROX	APPROXIMATELY	NO	NUMBER, NORMALLY OPEN
CFM	CUBIC FEET/MINUTE	OA	OUTSIDE AIR
CLG	CEILING	OZ	OUNCE
CONC	CONCRETE	POC	POINT OF CONNECTION
CU	CONDENSING UNIT	PSI	POUNDS PER SQUARE INCH
DB	DRY BULB	R	RADIUS, RETURN
ø,DIA	DIAMETER	RA	RETURN AIR
DN	DOWN	RD	ROOF DRAIN
DWG	DRAWING	REFRIG	REFRIGERANT
DX	DIRECT EXPANSION	RPM	REVOLUTIONS PER MINUTE
E	EXISTING, EXHAUST	RTU	ROOFTOP UNIT
EF	EXHAUST FAN	S	SUPPLY
ESP	EXTERNAL STATIC PRESSURE	SA	SUPPLY AIR
EXIST	EXISTING	SC	SENSIBLE COOLING
°F	DEGREES FAHRENHEIT	TC	TOTAL COOLING
FLA	FULL LOAD AMPS	TYP	TYPICAL
FT	FOOT/FEET	V	VOLT
HP	HORSEPOWER	VTR	VENT THRU ROOF
IN	INCHES	WB	WET BULB
KW	KILOWATT	WC	WATER COLUMN
LBS	POUNDS	WPD	WATER PRESSURE DROP
MAX	MAXIMUM		

MECHANICAL LINE TYPE LEGEND

- REMOVE ITEMS
- EXIST ITEMS TO REMAIN
- PROVIDE ITEMS
- CONTROL WIRING
- STORM DRAIN PIPING BELOW



1 / M-001 EXISTING FLOOR PLAN
NOT TO SCALE

PLAN NORTH

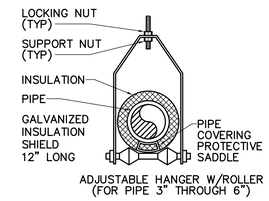
SEQUENCE OF CONDENSING UNIT SHUTDOWN/REMOVAL

ROOF DECK RENOVATIONS MAY REQUIRE TEMPORARY DEACTIVATION AND REMOVAL OF DX CONDENSING UNITS LOCATED ON THE ROOF. THE FOUR DASHED OUTLINED AREAS ON THE ABOVE EXISTING FLOOR PLAN ARE EACH SERVED BY TWO AIR HANDLER SYSTEMS PROVIDING HYDRONIC HEATING, SPLIT-SYSTEM DX COOLING AND HUMIDITY CONTROL. EACH AREA SHALL HAVE ITS CONTROLLED ENVIRONMENT MAINTAINED THROUGHOUT THE ROOFING RENOVATION BY MAINTAINING AT LEAST ONE AIR HANDLER (WITH CONDENSING UNIT) SYSTEM IN OPERATION IN ITS AREA THROUGHOUT THE PROJECT. SUPPLEMENTAL TEMPORARY HUMIDITY CONTROL SHALL BE PROVIDED AS NEEDED TO MAINTAIN THE CONTROLLED HUMIDITY LEVELS LISTED BELOW. IN THE EVENT SUPPLEMENTAL HUMIDITY CONTROL IS NEEDED, THE CONTRACTOR SHALL SUBMIT PLANS TO OWNER'S REPRESENTATIVE FOR WRITTEN APPROVAL. THE PLANS SHALL IDENTIFY EQUIPMENT TO BE USED. THE PLANS SHALL PRESERVE EXISTING EGRESS PATHS AND STORAGE SECURITY.

THE SEQUENCE OF WORK SHALL PROCEED STARTING WITH ARCHIVES STORAGE (159) AND SHALL PROCEED TO THE WEST. SHUTDOWN OF CONDENSING UNITS IN SEPTEMBER SHALL BE LIMITED TO ARCHIVES STORAGE.

CONTROLLED TEMPERATURES AND HUMIDITY LEVELS SCHEDULE

AREA	TEMPERATURE/HUMIDITY SETPOINT AND RANGE	HVAC UNITS WITH CONDENSING UNITS ON ROOF SERVING AREA
MAINE STATE MUSEUM/ ARCHEOLOGY STORAGE	65°-75° F, < 60% RH	AHU-6/CU-6 AND AHU-9/CU-9
MAINE STATE LIBRARY STORAGE	65°-75° F, < 60% RH	AHU-4/CU-4 AND AHU-5/CU-5
LAW LIBRARY STORAGE	65°-75° F, < 60% RH	AHU-3/CU-3 AND AHU-10/CU-10
ARCHIVE STORAGE	65°-75° F, < 60% RH	AHU-1/CU-1 AND AHU-2/CU-2



2 / M-001 PIPE HANGER ATTACHMENT DETAIL
NOT TO SCALE

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STATE OF MAINE RICHARD CRESWELL No. 13178 LICENSED PROFESSIONAL ENGINEER

DESIGNED BY: RNC
DRAWN BY: RML
CHECKED BY: MSA
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

MECHANICAL LEGENDS AND ABBREVIATIONS

SCALE: AS NOTED
DATE: 08/30/19
DWG.: M-001
SHEET: 11 OF 15

DRAWING NOTES

1. ROOFTOP MECHANICAL EQUIPMENT SHALL BE REMOVED FROM ROOF AS NEEDED TO PERFORM ROOF WORK, TEMPORARILY STORED AND PROTECTED ON-SITE; AND RE-INSTALLED AFTER COMPLETION OF ROOFTOP RENOVATION, INCLUDING EQUIPMENT SUPPORT UPGRADES.

2. REFER TO SEQUENCING NOTES ON M-001 FOR ORDER OF CONDENSING UNIT REMOVAL AND REPLACEMENT.

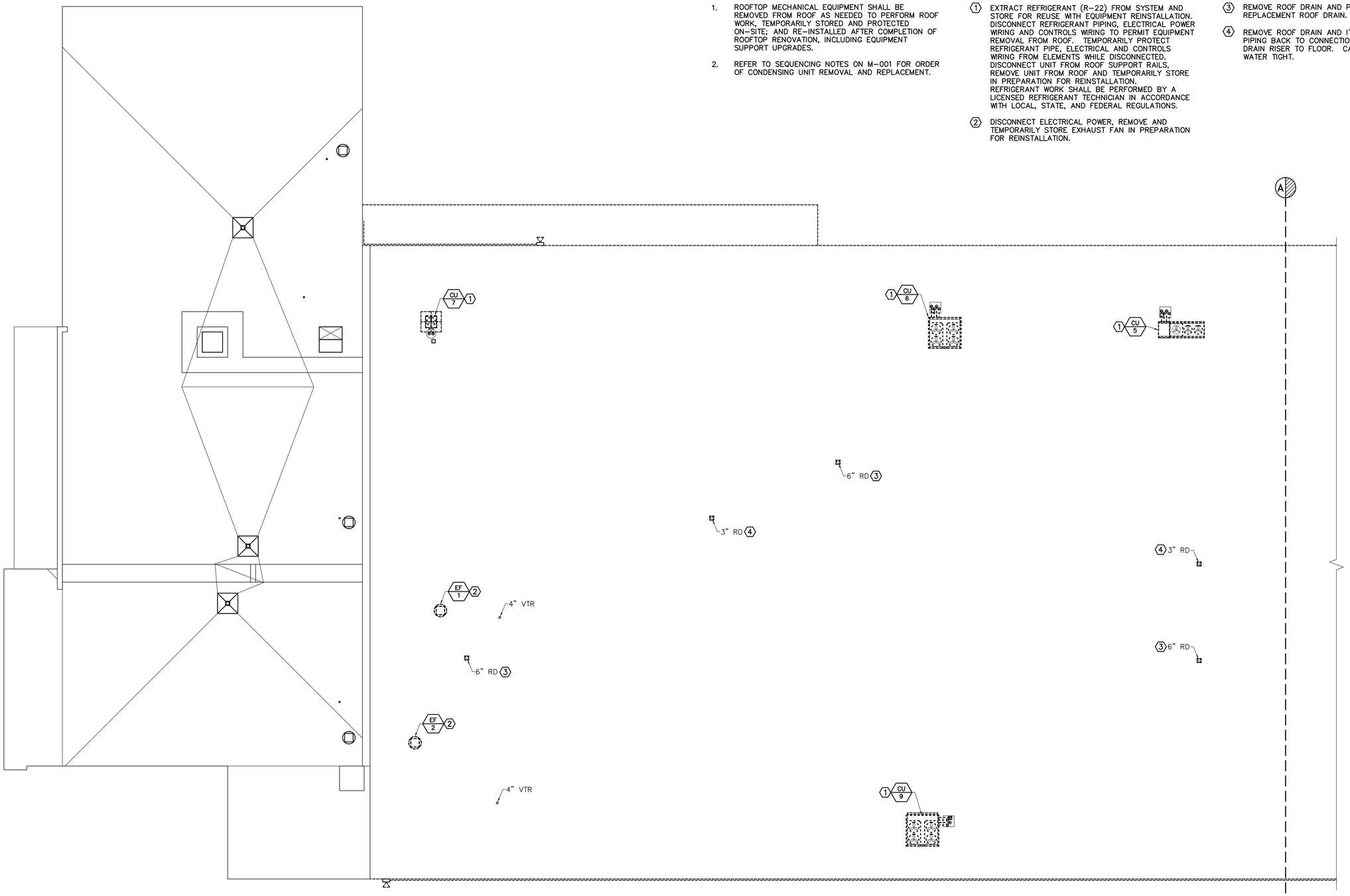
DRAWING KEYNOTES (THIS SHEET ONLY)

1. EXTRACT REFRIGERANT (R-22) FROM SYSTEM AND STORE FOR REUSE WITH EQUIPMENT REINSTALLATION. DISCONNECT REFRIGERANT PIPING, ELECTRICAL POWER WIRING AND CONTROLS WIRING TO PERMIT EQUIPMENT REMOVAL FROM ROOF. TEMPORARILY PROTECT REFRIGERANT PIPE, ELECTRICAL AND CONTROLS WIRING FROM ELEMENTS WHILE DISCONNECTED. DISCONNECT UNIT FROM ROOF SUPPORT RAILS, REMOVE UNIT FROM ROOF AND TEMPORARILY STORE IN PREPARATION FOR REINSTALLATION. REFRIGERANT WORK SHALL BE PERFORMED BY A LICENSED REFRIGERANT TECHNICIAN IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

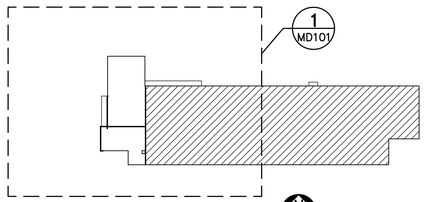
2. DISCONNECT ELECTRICAL POWER, REMOVE AND TEMPORARILY STORE EXHAUST FAN IN PREPARATION FOR REINSTALLATION.

3. REMOVE ROOF DRAIN AND PREPARE PIPING FOR REPLACEMENT ROOF DRAIN.

4. REMOVE ROOF DRAIN AND IT'S BRANCH STORM DRAIN PIPING BACK TO CONNECTION FITTING ON STORM DRAIN RISER TO FLOOR. CAP CONNECTION FITTING WATER TIGHT.



1 MD101 WEST ROOF MECHANICAL REMOVALS PART PLAN
SCALE: 1/8"=1'-0"



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

29 Aug, 2019 - 11:01am
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www.oakpoint.com

STATE OF MAINE
RICHARD CRESWELL
No. 13178
LICENSED
PROFESSIONAL ENGINEER

DESIGNED BY: RNC
DRAWN BY: KLG
CHECKED BY: MSA
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

WEST ROOF MECHANICAL REMOVALS PART PLAN

SCALE: AS NOTED
DATE: 08/30/19

DWG.: **MD101**

SHEET: 12 OF 15

DRAWING NOTES

1. ROOFTOP MECHANICAL EQUIPMENT SHALL BE REMOVED FROM ROOF AS NEEDED TO PERFORM ROOF WORK; TEMPORARILY STORED AND PROTECTED ON-SITE; AND RE-INSTALLED AFTER COMPLETION OF ROOFTOP RENOVATION, INCLUDING EQUIPMENT SUPPORT UPGRADES.

2. REFER TO SEQUENCING NOTES ON M-001 FOR ORDER OF CONDENSING UNIT REMOVAL AND REPLACEMENT.

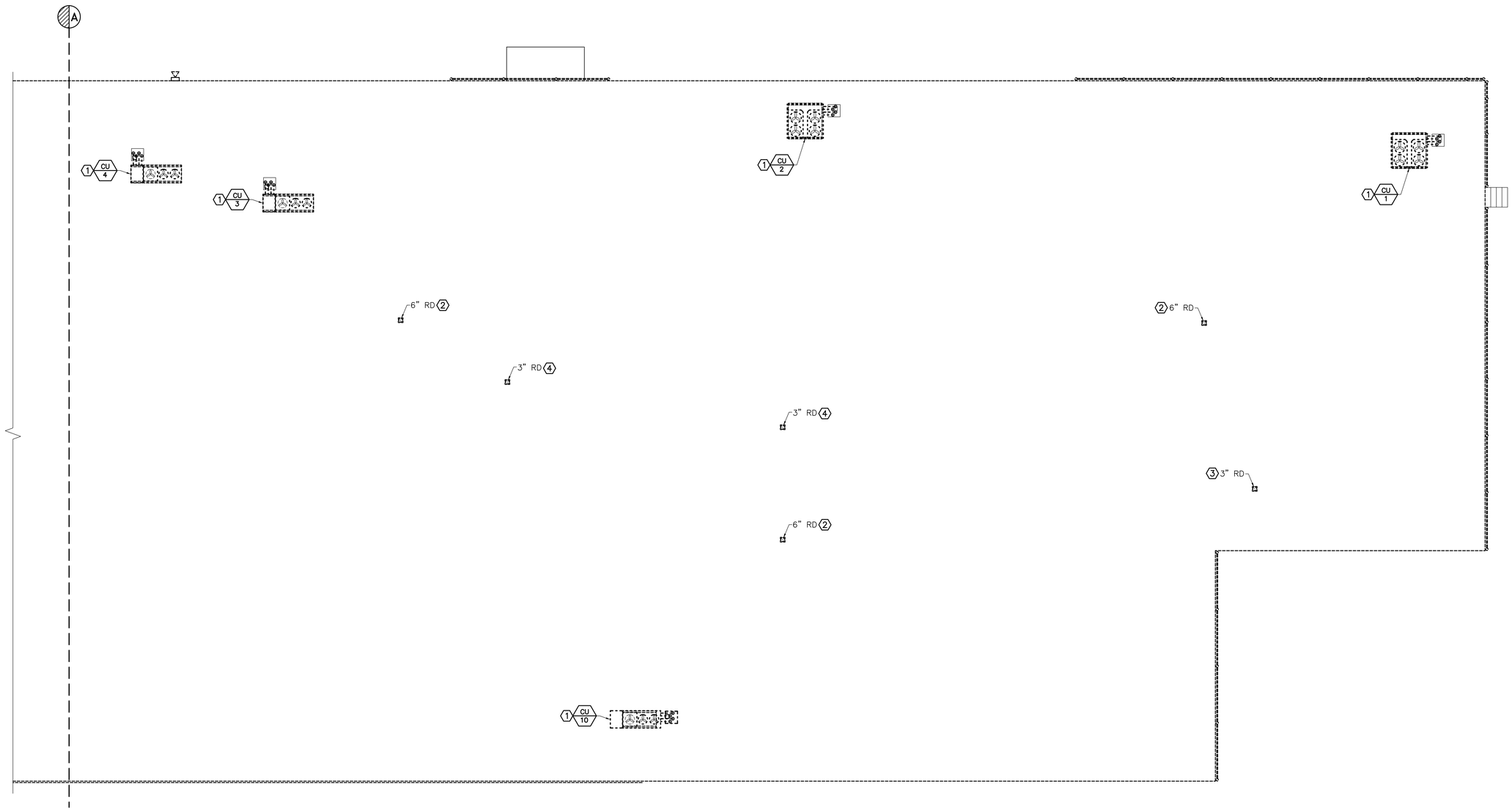
DRAWING KEYNOTES (THIS SHEET ONLY)

1. EXTRACT REFRIGERANT (R-22) FROM SYSTEM AND STORE FOR REUSE WITH EQUIPMENT REINSTALLATION. DISCONNECT REFRIGERANT PIPING, ELECTRICAL POWER WIRING AND CONTROLS WIRING TO PERMIT EQUIPMENT REMOVAL FROM ROOF. TEMPORARILY PROTECT REFRIGERANT PIPE, ELECTRICAL AND CONTROLS WIRING FROM ELEMENTS WHILE DISCONNECTED. DISCONNECT UNIT FROM ROOF SUPPORT RAILS, REMOVE UNIT FROM ROOF AND TEMPORARILY STORE IN PREPARATION FOR REINSTALLATION. REFRIGERANT WORK SHALL BE PERFORMED BY A LICENSED REFRIGERANT TECHNICIAN IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

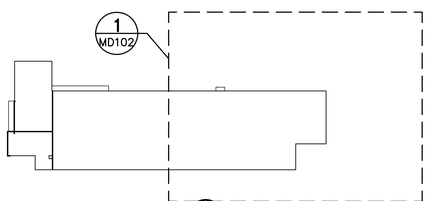
2. REMOVE ROOF DRAIN AND PREPARE PIPING FOR REPLACEMENT ROOF DRAIN.

3. REMOVE ROOF DRAIN. REMOVE BRANCH STORM PIPING SERVING THE DRAIN BACK TO THE FITTING CONNECTING IT TO THE STORM DRAIN LEADER DROPPING DOWN THROUGH THE FLOOR. REPLACE FITTING IN PREPARATION FOR LARGER REPLACEMENT ROOF DRAIN AND STORM PIPE.

4. REMOVE ROOF DRAIN AND IT'S BRANCH STORM DRAIN PIPING BACK TO CONNECTION FITTING ON STORM DRAIN RISER TO FLOOR. CAP CONNECTION FITTING WATER TIGHT.



1 / MD102 EAST ROOF MECHANICAL REMOVALS PART PLAN
SCALE: 1/8"=1'-0"



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
8' 4' 0 8' 16'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
RICHARD CRESWELL
No. 13179
LICENSED
PROFESSIONAL ENGINEER

DESIGNED BY: RNC
DRAWN BY: KLG
CHECKED BY: MSA
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

EAST ROOF MECHANICAL REMOVALS PART PLAN

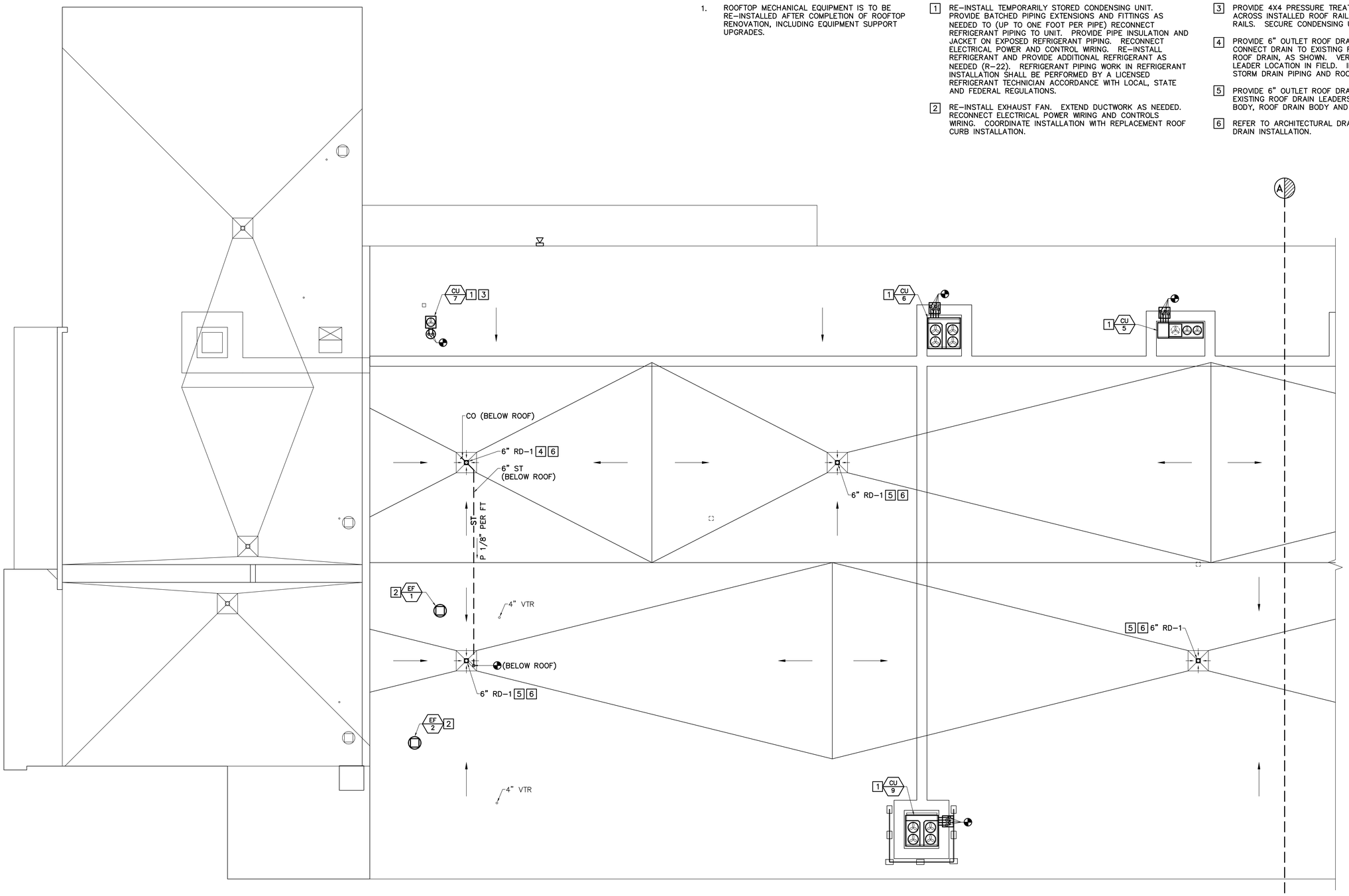
SCALE: AS NOTED
DATE: 08/30/19
DWG.: **MD102**
SHEET: 13 OF 15

DRAWING NOTES

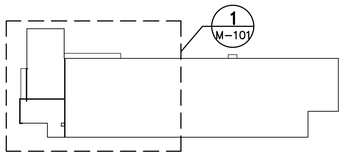
1. ROOFTOP MECHANICAL EQUIPMENT IS TO BE RE-INSTALLED AFTER COMPLETION OF ROOFTOP RENOVATION, INCLUDING EQUIPMENT SUPPORT UPGRADES.

DRAWING KEYNOTES (THIS SHEET ONLY)

1. RE-INSTALL TEMPORARILY STORED CONDENSING UNIT. PROVIDE BATCHED PIPING EXTENSIONS AND FITTINGS AS NEEDED TO (UP TO ONE FOOT PER PIPE) RECONNECT REFRIGERANT PIPING TO UNIT. PROVIDE PIPE INSULATION AND JACKET ON EXPOSED REFRIGERANT PIPING. RECONNECT ELECTRICAL POWER AND CONTROL WIRING. RE-INSTALL REFRIGERANT AND PROVIDE ADDITIONAL REFRIGERANT AS NEEDED (R-22). REFRIGERANT PIPING WORK IN REFRIGERANT INSTALLATION SHALL BE PERFORMED BY A LICENSED REFRIGERANT TECHNICIAN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
2. RE-INSTALL EXHAUST FAN. EXTEND DUCTWORK AS NEEDED. RECONNECT ELECTRICAL POWER WIRING AND CONTROLS WIRING. COORDINATE INSTALLATION WITH REPLACEMENT ROOF CURB INSTALLATION.
3. PROVIDE 4X4 PRESSURE TREATED WOOD SLEEPERS TO PLACE ACROSS INSTALLED ROOF RAILS. SECURE SLEEPERS TO RAILS. SECURE CONDENSING UNIT TO SLEEPERS.
4. PROVIDE 6" OUTLET ROOF DRAIN. PROVIDE PIPING TO CONNECT DRAIN TO EXISTING ROOF DRAIN LEADER OF NEARBY ROOF DRAIN, AS SHOWN. VERIFY EXISTING ROOF DRAIN LEADER LOCATION IN FIELD. INSULATE ROOF DRAIN BODY, STORM DRAIN PIPING AND ROOF LEADER CONNECTION.
5. PROVIDE 6" OUTLET ROOF DRAIN. PROVIDE TO CONNECT TO EXISTING ROOF DRAIN LEADERS. INSULATE ROOF DRAIN BODY, ROOF DRAIN BODY AND STORM DRAIN PIPING.
6. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON ROOF DRAIN INSTALLATION.



1 WEST ROOF MECHANICAL PART PLAN
M-101 SCALE: 1/8"=1'-0"



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

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STATE OF MAINE
RICHARD CRESWELL
No. 13178
LICENSED
PROFESSIONAL ENGINEER

DESIGNED BY: RNC
DRAWN BY: RDA
CHECKED BY: MSA
PROJECT: 21805.03A

BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
HALLOWELL, ME

BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

WEST ROOF MECHANICAL PART PLAN

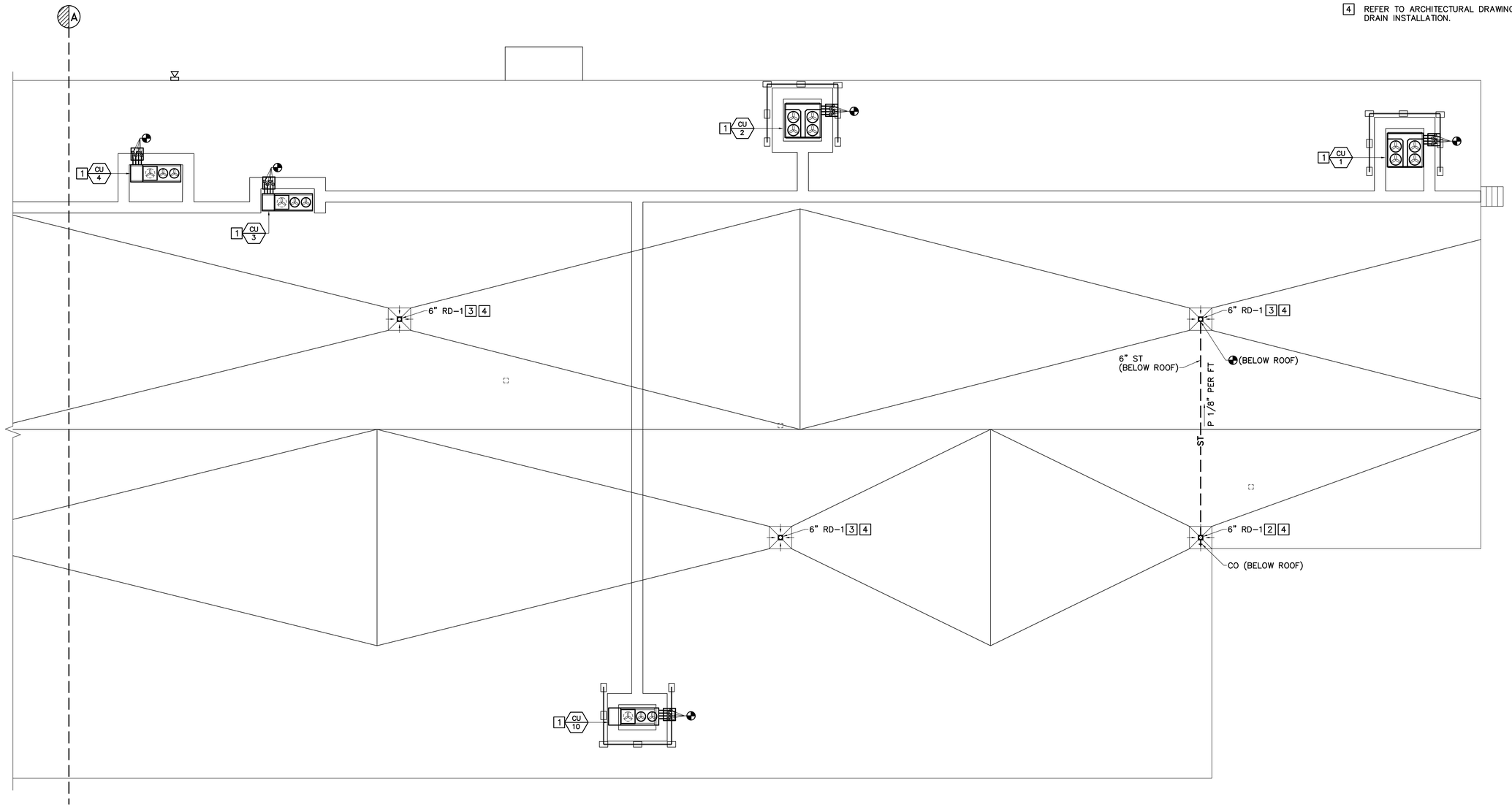
SCALE: AS NOTED
DATE: 08/30/19
DWG.: **M-101**
SHEET: **14** OF **15**

DRAWING NOTES

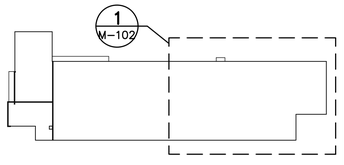
1. ROOFTOP MECHANICAL EQUIPMENT IS TO BE REMOVED FROM ROOF, TEMPORARILY STORED, AND RE-INSTALLED AFTER COMPLETION OF ROOFTOP RENOVATION, INCLUDING EQUIPMENT SUPPORT UPGRADES.

DRAWING KEYNOTES (THIS SHEET ONLY)

1. RE-INSTALL TEMPORARILY STORED CONDENSING UNIT. PROVIDE PIPING AND FITTINGS AS NEEDED TO RECONNECT REFRIGERANT PIPING TO UNIT. PROVIDE PIPE INSULATION AND JACKET ON EXPOSED REFRIGERANT PIPING. RECONNECT ELECTRICAL POWER AND CONTROL WIRING. RE-INSTALL REFRIGERANT AND PROVIDE ADDITIONAL REFRIGERANT AS NEEDED (R-22). REFRIGERANT PIPING WORK IN REFRIGERANT INSTALLATION SHALL BE PERFORMED BY A LICENSED REFRIGERANT TECHNICIAN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
2. PROVIDE 6" ROOF DRAIN. PROVIDE PIPING TO CONNECT DRAIN TO EXISTING ROOF DRAIN LEADER OF NEARBY EXISTING ROOF DRAIN, AS SHOWN. VERIFY EXISTING ROOF DRAIN LEADER LOCATION IN FIELD. INSULATE ROOF DRAIN BODY, STORM DRAIN PIPING AND ROOF LEADER CONNECTION.
3. PROVIDE 6" OUTLET ROOF DRAIN. PROVIDE TO CONNECT TO EXISTING ROOF DRAIN LEADERS. INSULATE ROOF DRAIN BODY, ROOF DRAIN BODY AND STORM DRAIN PIPING.
4. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON ROOF DRAIN INSTALLATION.



1 / M-102 EAST ROOF MECHANICAL PART PLAN
SCALE: 1/8"=1'-0"



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

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BUREAU OF ALCOHOLIC BEVERAGES AND LOTTERY OPERATIONS
10 WATER STREET
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BABLO ROOF REPAIRS PHASE 2
10 WATER STREET, HALLOWELL, ME

EAST ROOF MECHANICAL PART PLAN

SCALE: AS NOTED
DATE: 08/30/19
DWG.: **M-102**
SHEET: 15 OF 15