

ROOF REPLACEMENT FOR THE WEST CONCOURSE

JACKSON MUNICIPAL AIRPORT AUTHORITY

JACKSON, MISSISSIPPI

JULY 08, 2020

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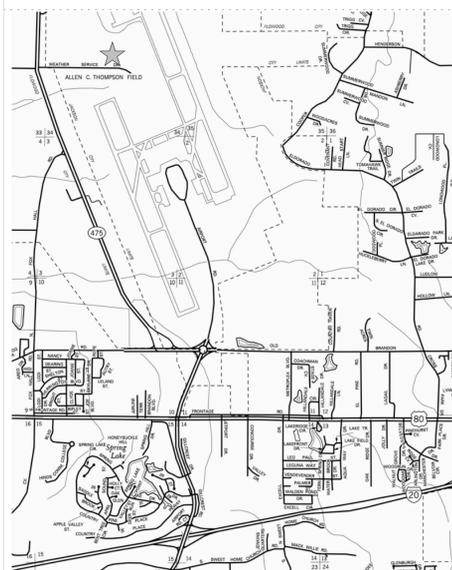


Project
ROOF REPLACEMENT FOR THE WEST CONCOURSE
JACKSON MUNICIPAL AIRPORT AUTHORITY
JACKSON, MISSISSIPPI

Project Number: 18.010
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2 _____
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Sheet Title

TITLE SHEET
Sheet Number 1 of 23
T101

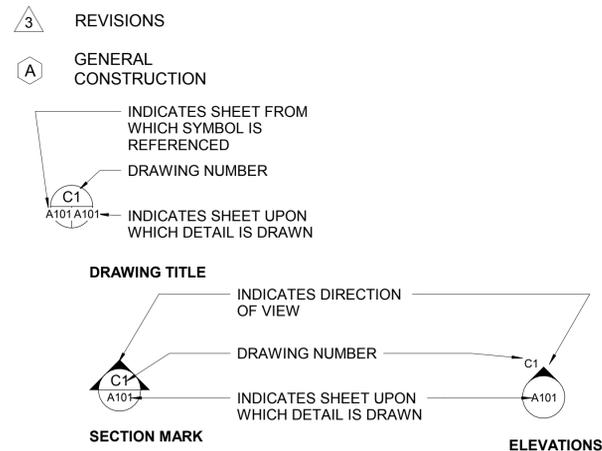
VICINITY MAP



FROM I-20E
TAKE EXIT 52 FOR MS-475 TOWARDS
JACKSON - EVERS INTERNATIONAL
AIRPORT

JMAA TERMINAL BUILDING AND WEST
CONCOURSE

KEY TO TITLE & SYMBOLS



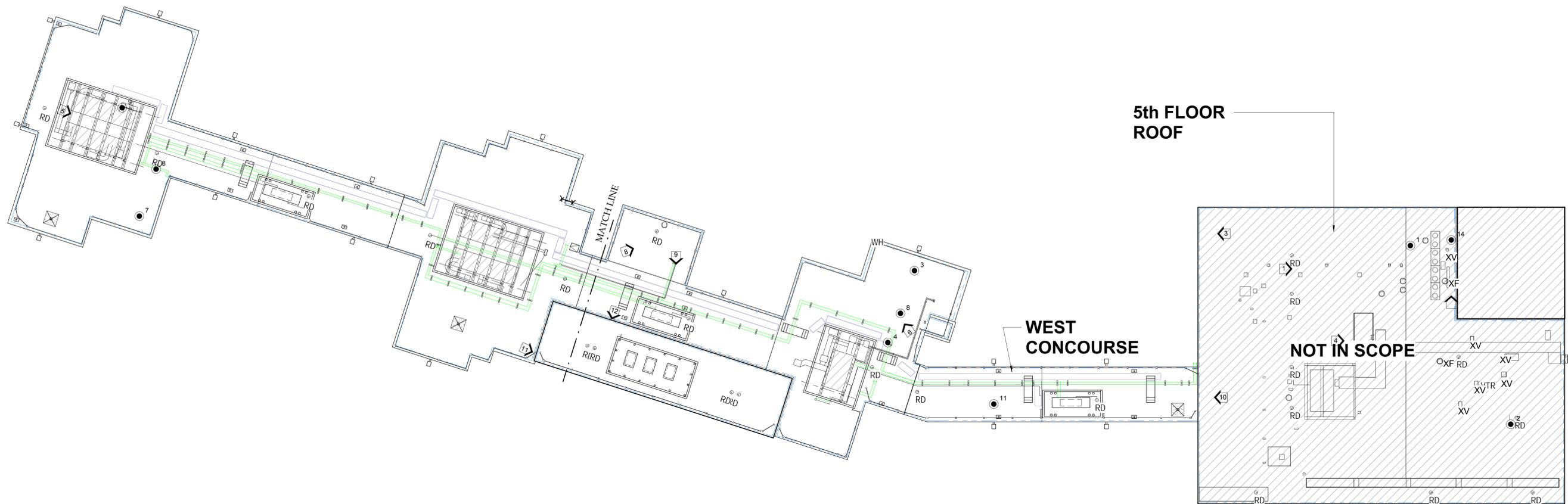
LAYOUT AREA



PROPOSED LAYDOWN AREA

- NOTE:**
- GENERAL CONTRACTOR TO RESTORE THE SITE TO ITS PRE-CONSTRUCTION CONDITION. ANY DAMAGE TO GRASS AREA DUE TO THE WORK OF CONTRACTOR IS TO BE REPAIRED WITH FILL AND SODDING AS REQUIRED.
 - GENERAL CONTRACTOR TO RESTORE THE PARKING LOT TO ITS PRE-CONSTRUCTION CONDITION. ANY DAMAGE TO THE LOT DUE TO THE WORK OF CONTRACTOR IS TO BE REPAIRED.

PROPOSED LAYDOWN AREA



5th FLOOR
ROOF

WEST
CONCOURSE

NOT IN SCOPE

1 ROOF PLAN - EXISTING MASTER PLAN
R100 1" = 20'-0"



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ROOF PLAN -
EXISTING
MASTER PLAN

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R100



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ROOF PLAN - EXISTING WEST CONCOURSE

Sheet Number 3 of 23

R101

GENERAL NOTES

1. THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, TYPES OF ROOF EQUIPMENT, PENETRATIONS, ETC. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND SUBMIT DRAWINGS DESCRIBING ACTUAL CONDITIONS PRESENT. THE SUBMITTAL WILL CONTAIN BUT MAY NOT BE LIMITED TO ROOF SLOPE, ROOF THICKNESS, AND TYPE OF ROOF AND ITS COMPONENTS.

2. BASIC DESCRIPTION OF ROOF IS AS FOLLOWS:

ROOF TYPES
 SECTION CORE CUTS 1 THRU 4 AND 7 THRU 11 SHOW THAT THE EXISTING ROOF CONSISTS OF A FULL ADHERED MEMBRANE ROOFING SYSTEM ON POLYISOCYANURATE (POLYISO) BOARD ON GYPSUM BOARD ON METAL DECKING. CORES APPEARED TO HAVE AN ADDITIONAL FLEECEBACK MEMBRANE ON TOP OF ANOTHER MEMBRANE.

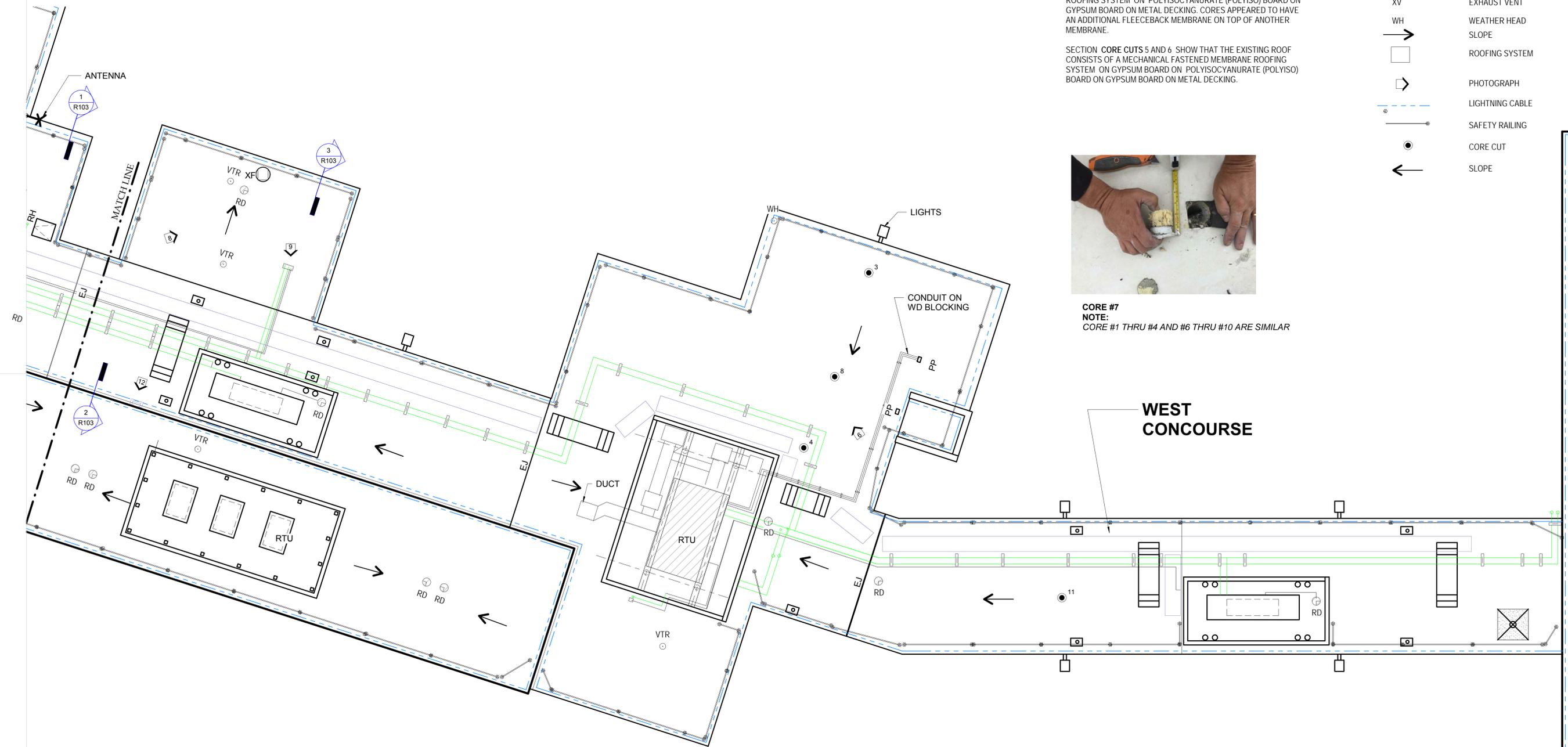
SECTION CORE CUTS 5 AND 6 SHOW THAT THE EXISTING ROOF CONSISTS OF A MECHANICAL FASTENED MEMBRANE ROOFING SYSTEM ON GYPSUM BOARD ON POLYISOCYANURATE (POLYISO) BOARD ON GYPSUM BOARD ON METAL DECKING.



CORE #7
 NOTE:
 CORE #1 THRU #4 AND #6 THRU #10 ARE SIMILAR

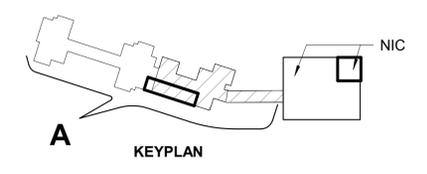
LEGEND

- EJ EXPANSION JOINT
- R RIDGE
- RD ROOF DRAIN
- RTU ROOF TOP UNIT
- V VALLEY
- VTR VENT THRU ROOF
- XF EXHAUST FAN
- XV EXHAUST VENT
- WH WEATHER HEAD
- SLOPE SLOPE
- ROOFING SYSTEM ROOFING SYSTEM
- PHOTOGRAPH PHOTOGRAPH
- LIGHTNING CABLE LIGHTNING CABLE
- SAFETY RAILING SAFETY RAILING
- CORE CUT CORE CUT
- SLOPE SLOPE



WEST CONCOURSE

1 ROOF PLAN - WEST CONCOURSE - B2
 R101 1/8" = 1'-0"





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Sheet Title
ROOF PLAN - EXISTING WEST CONCOURSE

Sheet Number 4 of 23

R102

GENERAL NOTES

1. THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, TYPES OF ROOF EQUIPMENT, PENETRATIONS, ETC. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND SUBMIT DRAWINGS DESCRIBING ACTUAL CONDITIONS PRESENT. THE SUBMITTAL WILL CONTAIN BUT MAY NOT BE LIMITED TO ROOF SLOPE, ROOF THICKNESS, AND TYPE OF ROOF AND ITS COMPONENTS.

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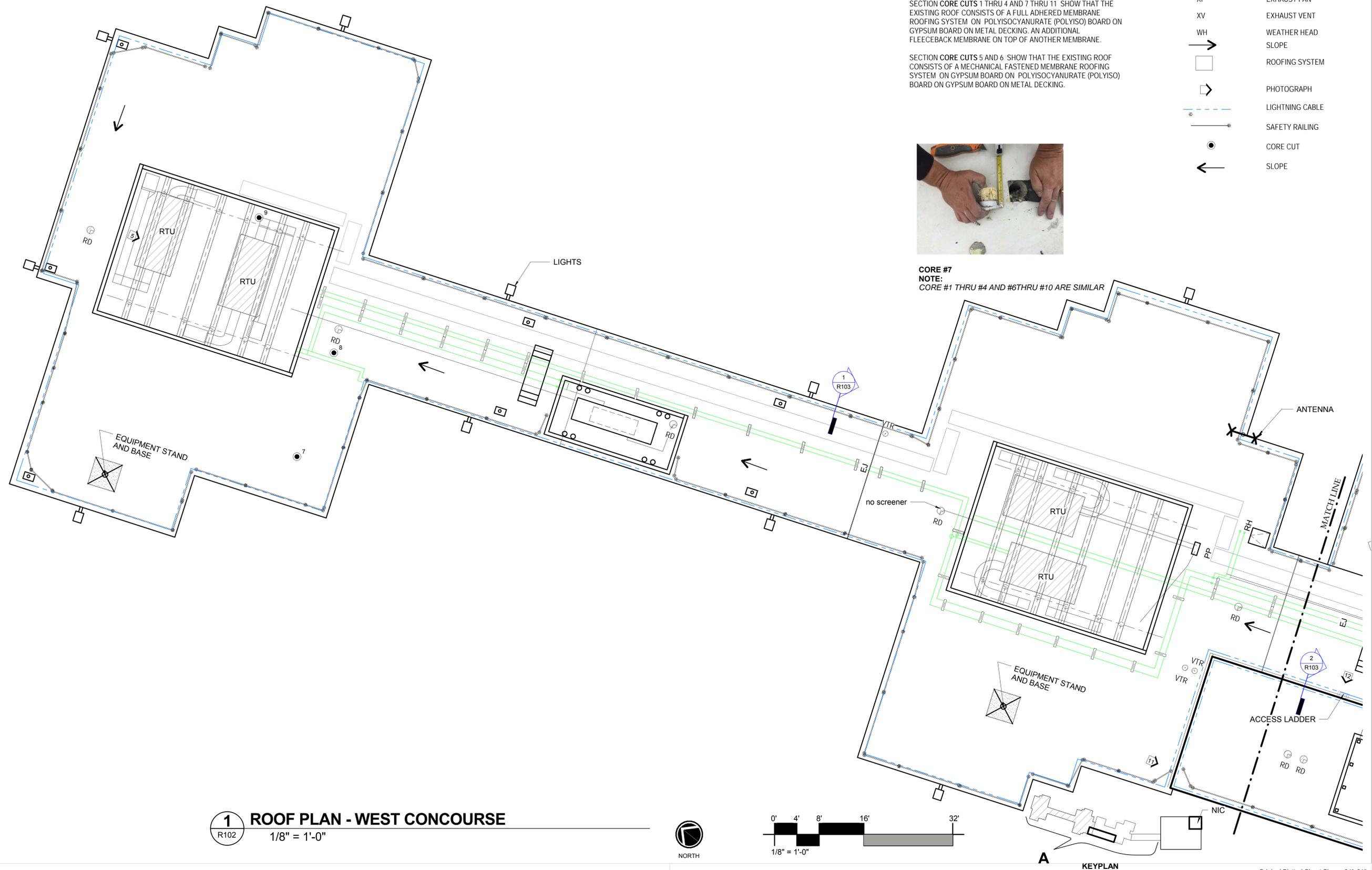
SECTION CORE CUTS 5 AND 6 SHOW THAT THE EXISTING ROOF CONSISTS OF A MECHANICAL FASTENED MEMBRANE ROOFING SYSTEM ON GYPSUM BOARD ON POLYISOCYANURATE (POLYISO) BOARD ON GYPSUM BOARD ON METAL DECKING.



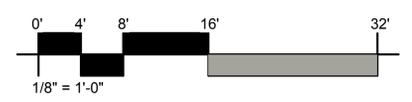
CORE #7
 NOTE:
 CORE #1 THRU #4 AND #6 THRU #10 ARE SIMILAR

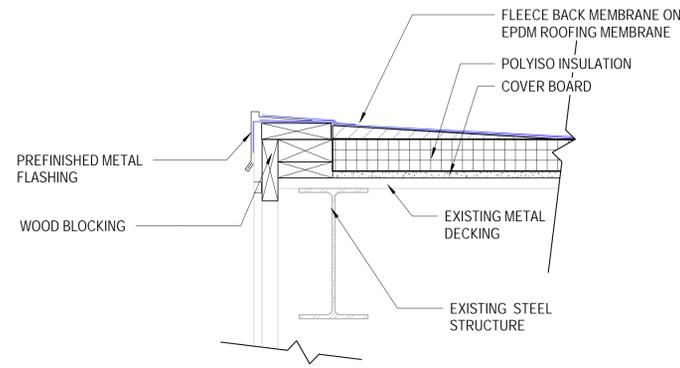
LEGEND

- EJ EXPANSION JOINT
- R RIDGE
- RD ROOF DRAIN
- RTU ROOF TOP UNIT
- V VALLEY
- VTR VENT THRU ROOF
- XF EXHAUST FAN
- XV EXHAUST VENT
- WH WEATHER HEAD
- SLOPE
- ROOFING SYSTEM
- ◻ PHOTOGRAPH
- LIGHTNING CABLE
- SAFETY RAILING
- CORE CUT
- ← SLOPE

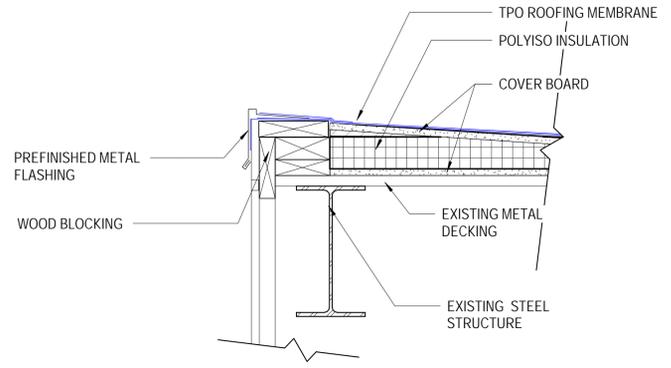


1 ROOF PLAN - WEST CONCOURSE
 R102 1/8" = 1'-0"

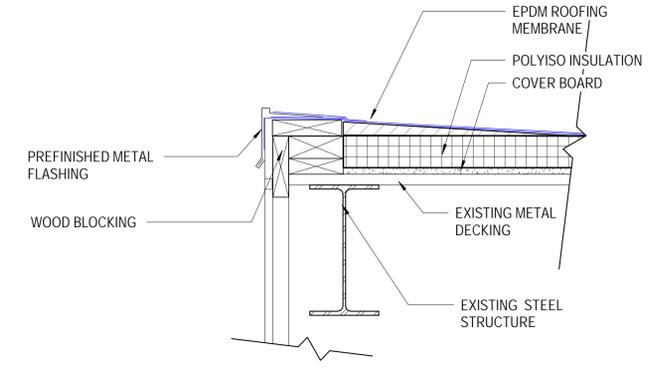




1 ROOF DETAIL- TYPICAL
 D101 | R103 1 1/2" = 1'-0"



2 ROOF DETAIL- TYPICAL
 D101 | R103 1 1/2" = 1'-0"



3 ROOF DETAIL- TYPICAL
 D101 | R103 1 1/2" = 1'-0"

GENERAL NOTE

1. THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT DEPICT ACTUAL CONDITIONS. GC SHALL VERIFY EXISTING CONDITIONS AND SUBMIT DRAWINGS DESCRIBING ACTUAL CONDITIONS.



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EXISTING DETAILS



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Sheet Title

PHOTOGRAPHS

Sheet Number 6 of 23

R104

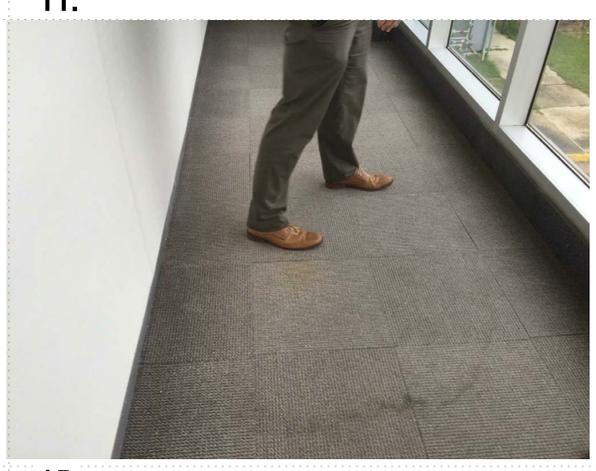
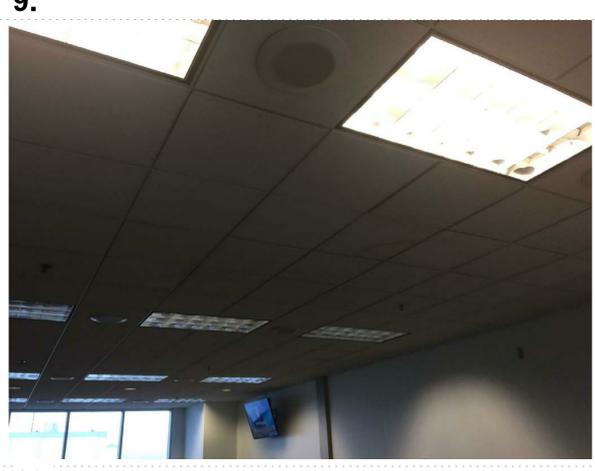
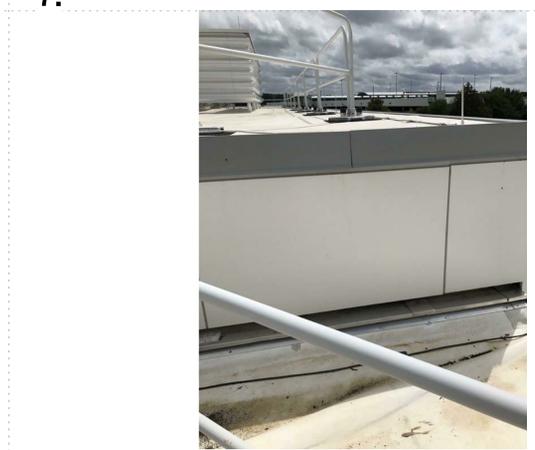
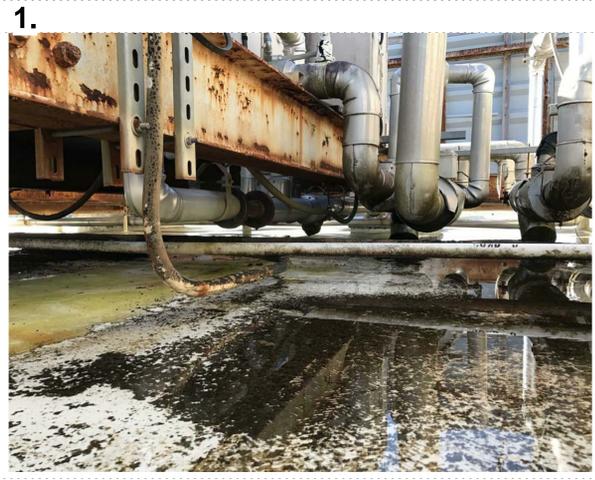


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DEMOLITION NOTES

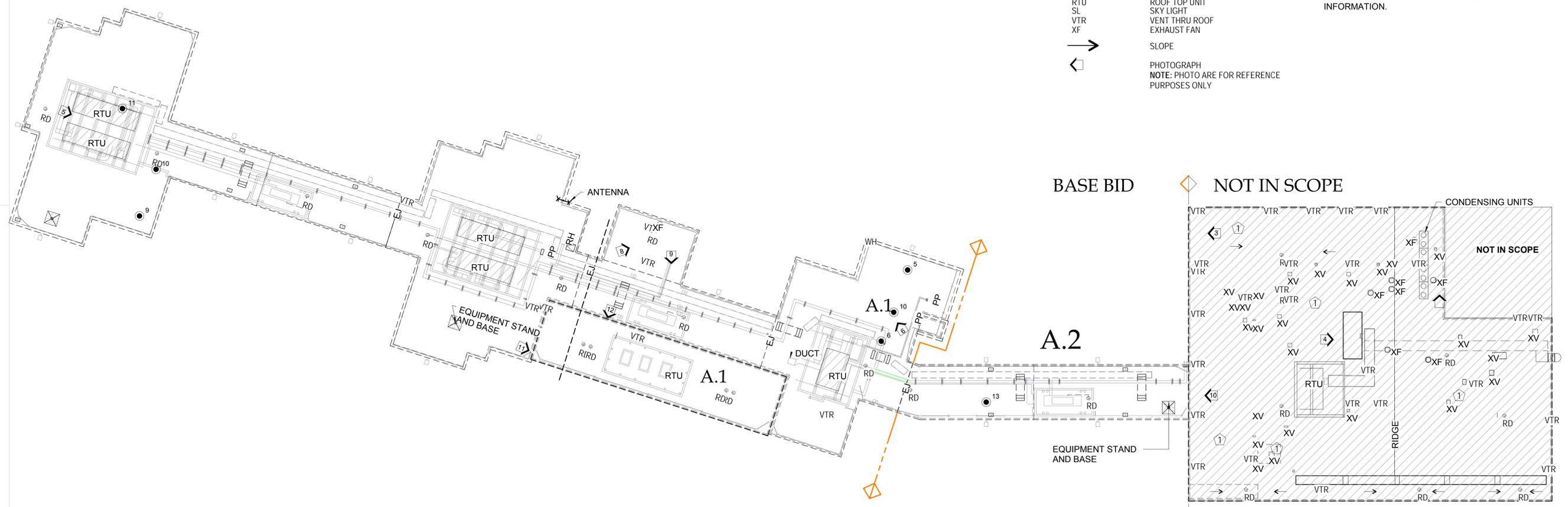
1	REMOVE EXISTING ROOFING SYSTEM TO EXISTING DECKING
2	REMOVE EXISTING ROOF HATCH AND ALL OF ITS COMPONENTS
3	REMOVE EXISTING EXHAUST FAN AND ALL OF ITS COMPONENTS
4	REMOVE EXISTING SKYLIGHT AND ALL OF ITS COMPONENTS
5	REMOVE, SALVAGE, AND REINSTALL EXISTING EQUIPMENT AND ALL OF ITS COMPONENTS.
6	REMOVE EXISTING STANDING SEAM ROOF PANEL DOWN TO EXISTING STRUCTURE
7	REMOVE EXISTING GUTTER AND DOWNSPOUT AND ALL OF ITS COMPONENTS.
8	EXISTING ANTENNA TO REMAIN. ADJUST AS REQUIRED TO REMOVE EXISTING ROOF SYSTEM.
9	REMOVE EXISTING STEP LADDER AND ALL OF ITS COMPONENTS

GENERAL DEMOLITION NOTES

- IT IS THE INTENT OF THESE DRAWINGS TO AID THE CONTRACTOR IN BIDDING THE PROJECT BY PROVIDING INFORMATION ABOUT MATERIALS AND THEIR REMOVAL. HOWEVER, THE CONTRACTOR IS ADVISED TO VISIT THE SITE PRIOR TO SUBMITTING HIS BID SINCE ALL CONDITIONS MAY NOT BE ADDRESSED.
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- THE EXISTING MECHANICAL ITEMS SUCH AS ROOF TOP UNITS, EXHAUST FANS, PIPING ARE TO REMAIN OR BE REINSTALLED UNLESS OTHERWISE NOTED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

LEGEND

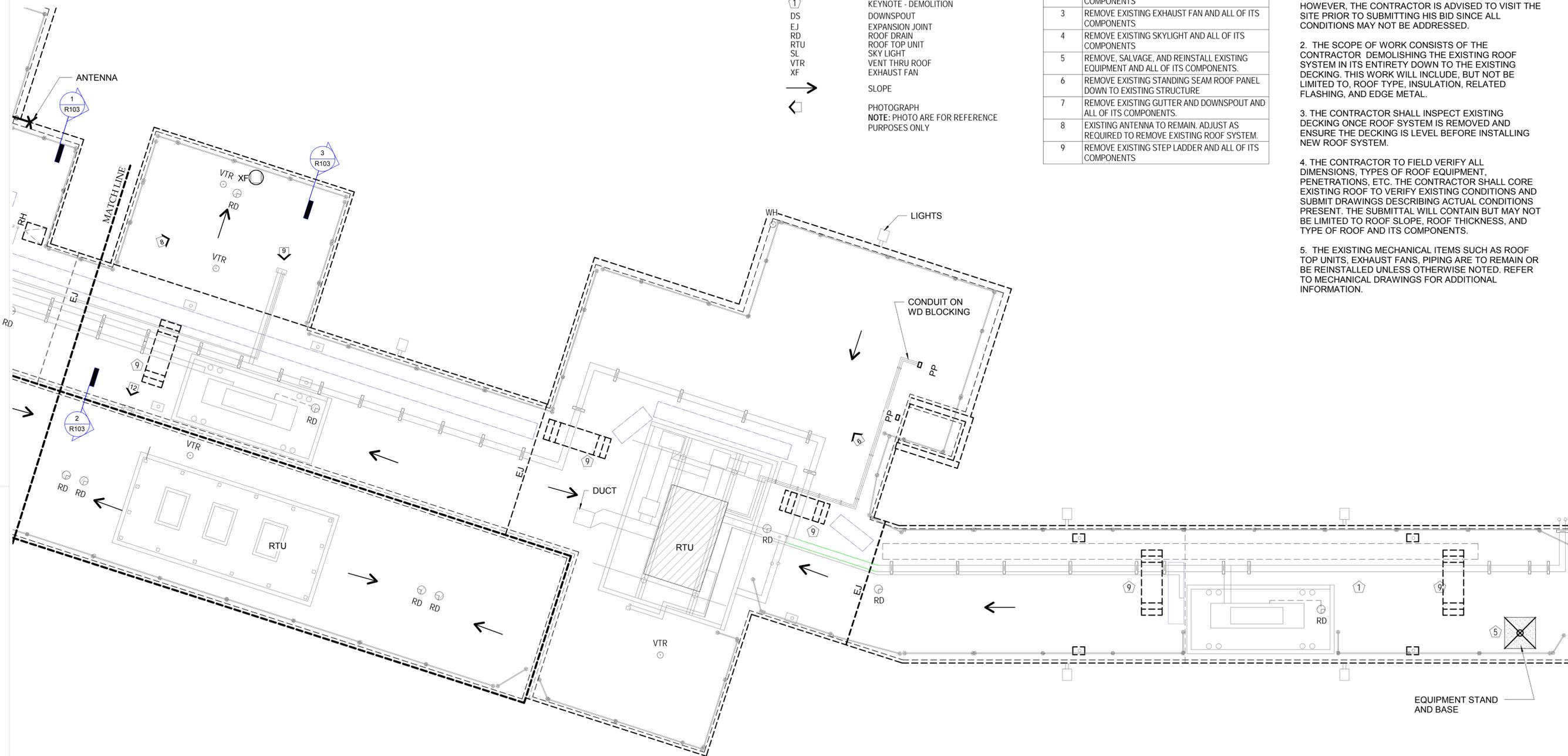
- ITEMS TO BE DEMOLISHED
- ① KEYNOTE - DEMOLITION
- DS DOWNSPOUT
- EJ EXPANSION JOINT
- RD ROOF DRAIN
- RTU ROOF TOP UNIT
- SL SKY LIGHT
- VTR VENT THRU ROOF
- XF EXHAUST FAN
- SLOPE
- ◻ PHOTOGRAPH
NOTE: PHOTO ARE FOR REFERENCE PURPOSES ONLY



1 ROOF PLAN - 5TH FLOOR
 D100 1" = 20'-0"



NORTH



LEGEND

- ITEMS TO BE DEMOLISHED
- ① KEYNOTE - DEMOLITION
 - DS DOWNSPOUT
 - EJ EXPANSION JOINT
 - RD ROOF DRAIN
 - RTU ROOF TOP UNIT
 - SL SKY LIGHT
 - VTR VENT THRU ROOF EXHAUST FAN
 - XF SLOPE
 - PHOTOGRAPH NOTE: PHOTO ARE FOR REFERENCE PURPOSES ONLY

DEMOLITION NOTES

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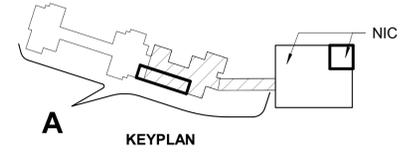
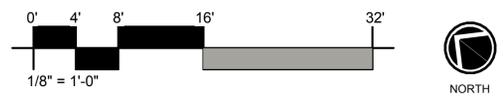
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Sheet Title
DEMOLITION ROOF PLAN - WEST CONCOURSE
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1 ROOF PLAN - WEST CONCOURSE
 D101 1/8" = 1'-0"



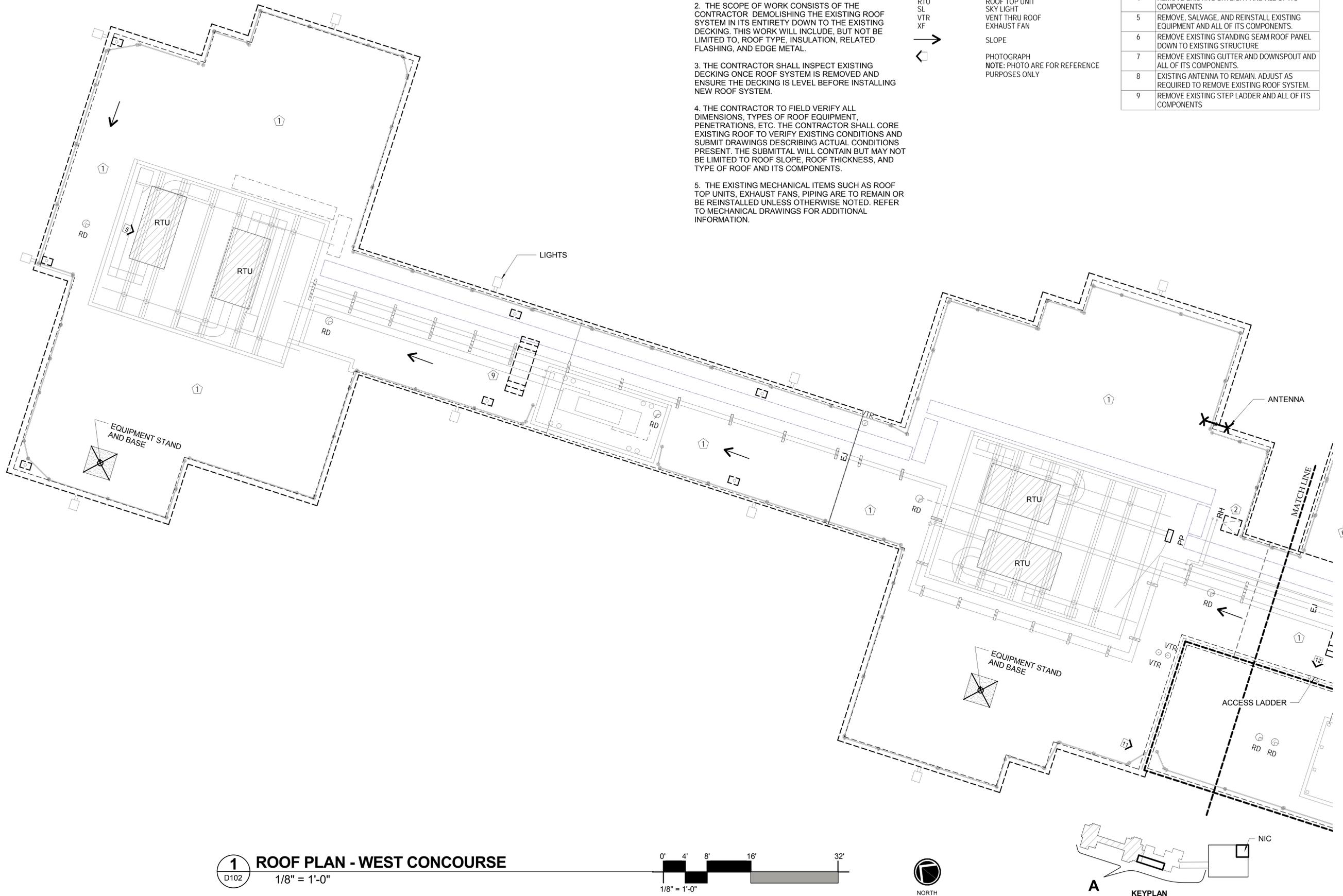
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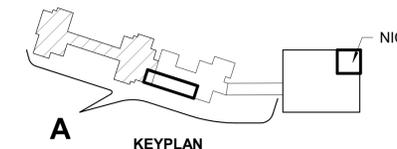
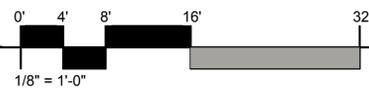
LEGEND

- ITEMS TO BE DEMOLISHED
- ⬠ KEYNOTE - DEMOLITION
- DS DOWNSPOUT
- EJ EXPANSION JOINT
- RD ROOF DRAIN
- RTU ROOF TOP UNIT
- SL SKY LIGHT
- VTR VENT THRU ROOF
- XF EXHAUST FAN
- SLOPE
- ⬠ PHOTOGRAPH
- NOTE: PHOTO ARE FOR REFERENCE PURPOSES ONLY

DEMOLITION NOTES	
1	REMOVE EXISTING ROOFING SYSTEM TO EXISTING DECKING
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9	REMOVE EXISTING STEP LADDER AND ALL OF ITS COMPONENTS



1 ROOF PLAN - WEST CONCOURSE
D102 1/8" = 1'-0"



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DEMOLITION ROOF PLAN - WEST CONCOURSE

Sheet Number 9 of 23

D102

LEGEND

EJ	EXPANSION JOINT
R	RIDGE
RD	ROOF DRAIN
RTU	ROOF TOP UNIT
V	VALLEY
VTR	VENT THRU ROOF
XF	EXHAUST FAN
XV	EXHAUST VENT
WH	WEATHER HEAD
	SLOPE
	ROOFING SYSTEM
	PHOTOGRAPH
	LIGHTNING CABLE
	SAFETY RAILING
	CORE CUT
	SLOPE

GENERAL ROOF NOTES:

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND TRANSPORTATION NECESSARY FOR PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR TO ALSO FURNISH ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER FOR THE USE, OCCUPANCY AND OPERATION BY THE OWNER.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS THAT WILL AFFECT CONSTRUCTION AS INDICATED ON THE CONTRACT DOCUMENTS. IT SHALL BE ASSUMED THAT THE CONTRACTOR IS FULLY AWARE OF ALL VISIBLE EXISTING CONDITIONS AT THE TIME HE SUBMITS HIS BID.
- THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, TYPES OF ROOF EQUIPMENT, PENETRATIONS, ETC. THE CONTRACTOR TO VERIFY EXISTING CONDITIONS AND SUBMIT DRAWINGS DESCRIBING ACTUAL CONDITIONS PRESENT. THE SUBMITTAL WILL CONTAIN BUT MAY NOT BE LIMITED TO ROOF SLOPE, ROOF THICKNESS, AND TYPE OF ROOF AND ITS COMPONENTS.
- THE SCOPE OF WORK FOR SECTION A CONSISTS OF INSTALLING A 5/8" RECOVERY BOARD, POLYISO INSULATION, TAPERED INSULATION, 5/8" RECOVERY BOARD, SINGLE PLY ROOFING MEMBRANE, BASE FLASHING, AND METAL COMPONENTS.
- IN THE EVENT THAT ANY EXISTING ROOF TOP UNITS ARE REMOVED, THE CONTRACTOR WILL RECONNECT EXISTING ROOF TOP UNITS BACK INTO FULLY OPERATIONAL SERVICE INCLUDING UNIT CONTROLS. ALL GAS LINES, ELECTRICAL, AND DUCTWORK TO BE RECONNECTED AND MODIFIED AS REQUIRED.
- EXISTING PITCH POCKET. FLASH AND COUNTERFLASH.
- INSULATION THICKNESS SHOWN THUSLY (+2), THIS IS THE THICKNESS OF THE TAPERED INSULATION ONLY AND DOES NOT INCLUDE COVER BOARD OR ROOFING MEMBRANE. ADD THE POLYISO INSULATION TO THIS THICKNESS TO OBTAIN TOTAL INSULATION THICKNESS.
PLANS SHOW ONLY THE THICKNESS OF TAPERED INSULATION. CONTRACTOR IS TO PROVIDE TAPERED INSULATION DRAWINGS.
- ROOF SLOPE OBTAINED WITH THE TAPERED INSULATION AT A MINIMUM OF 1/8"=1' EXCEPT FOR CRICKETS WHOSE SLOPE IS OBTAINED BY ADDITIONAL POLY-ISO INSULATION.

9. CRICKETS ARE TO BE CONSTRUCTED AT 1/8":1'-0" MINIMUM SLOPE FROM MEAN ELEVATION TO RIDGE (R). SEE DIAGRAM A. IN PLAN CRICKETS ARE TO BE CONSTRUCTED IN A 2:1 RATIO. SEE DIAGRAM B.

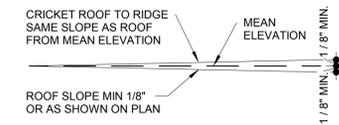


DIAGRAM A

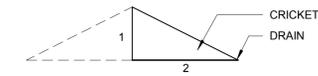
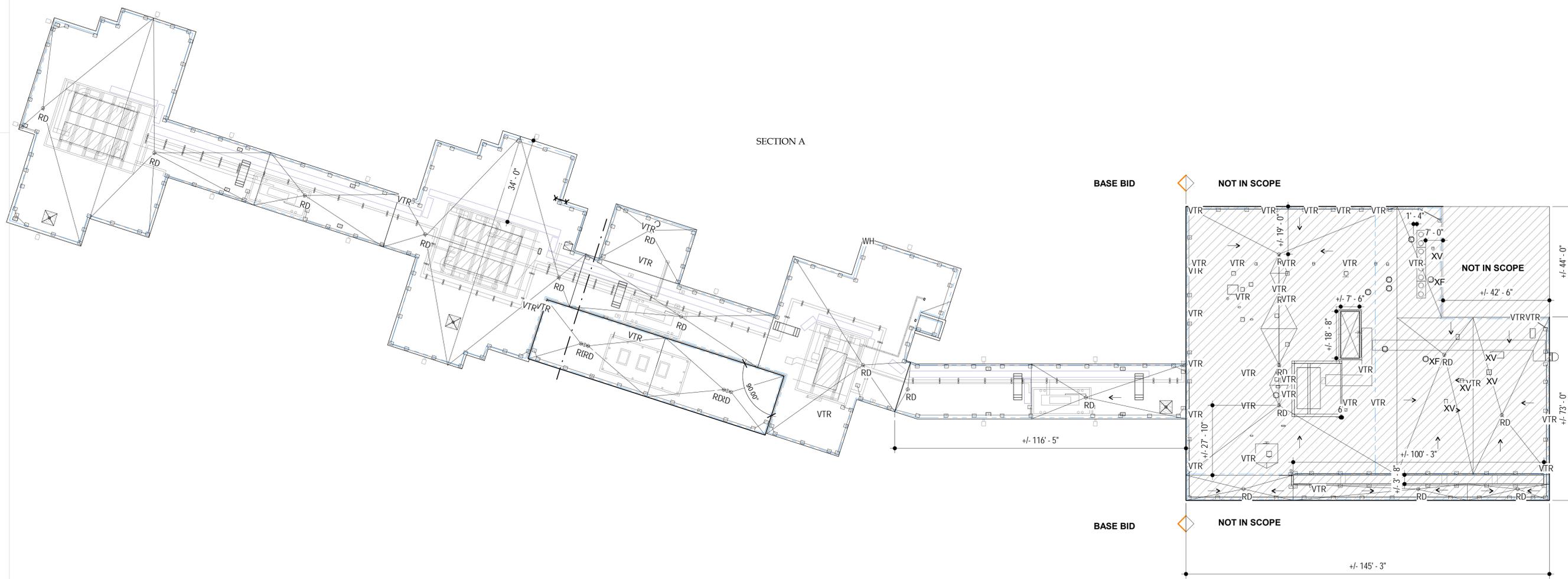


DIAGRAM B

10. EXISTING ROOF DECK IS ASSUMED TO BE FLAT UNLESS OTHERWISE NOTED. FORM SLOPE WITH TAPER INSULATION.



1 MASTER ROOF PLAN
A100 1" = 20'-0"



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Greg L. Durrell, AIA
Seal



Project
ROOF REPLACEMENT FOR THE WEST CONCOURSE JACKSON MUNICIPAL AIRPORT AUTHORITY JACKSON, MISSISSIPPI

Project Number: 18.010
Date: 08.JULY.2020
Drawn by: AE
Checked by: GD

Revisions
1 _____
2 _____
3 _____

Sheet Title

MASTER PLAN - NEW

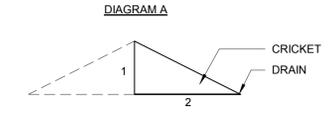
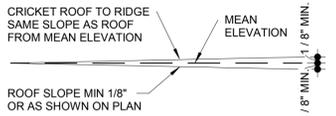
Sheet Number 10 of 23

A100

GENERAL ROOF NOTES:

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND TRANSPORTATION NECESSARY FOR PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR TO ALSO FURNISH ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER FOR THE USE, OCCUPANCY AND OPERATION BY THE OWNER.
2. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS THAT WILL AFFECT CONSTRUCTION AS INDICATED ON THE CONTRACT DOCUMENTS. IT SHALL BE ASSUMED THAT THE CONTRACTOR IS FULLY AWARE OF ALL VISIBLE EXISTING CONDITIONS AT THE TIME HE SUBMITS HIS BID.
3. THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, TYPES OF ROOF EQUIPMENT, PENETRATIONS, ETC. THE CONTRACTOR TO VERIFY EXISTING CONDITIONS AND SUBMIT DRAWINGS DESCRIBING ACTUAL CONDITIONS PRESENT. THE SUBMITTAL WILL CONTAIN BUT MAY NOT BE LIMITED TO ROOF SLOPE, ROOF THICKNESS, AND TYPE OF ROOF AND ITS COMPONENTS.
4. THE SCOPE OF WORK FOR SECTION A CONSISTS OF INSTALLING A 5/8" RECOVERY BOARD, POLYISO INSULATION, TAPERED INSULATION, 5/8" RECOVERY BOARD, SINGLE PLY ROOFING MEMBRANE, BASE FLASHING, AND METAL COMPONENTS.
5. IN THE EVENT THAT ANY EXISTING ROOF TOP UNITS ARE REMOVED, THE CONTRACTOR WILL RECONNECT EXISTING ROOF TOP UNITS BACK INTO FULLY OPERATIONAL SERVICE INCLUDING UNIT CONTROLS. ALL GAS LINES, ELECTRICAL, AND DUCTWORK TO BE RECONNECTED AND MODIFIED AS REQUIRED.
6. EXISTING PITCH POCKET. FLASH AND COUNTERFLASH.
7. INSULATION THICKNESS SHOWN THUSLY (+2). THIS IS THE THICKNESS OF THE TAPERED INSULATION ONLY AND DOES NOT INCLUDE COVER BOARD OR ROOFING MEMBRANE. ADD THE POLYISO INSULATION TO THIS THICKNESS TO OBTAIN TOTAL INSULATION THICKNESS.
PLANS SHOW ONLY THE THICKNESS OF TAPERED INSULATION. CONTRACTOR IS TO PROVIDE TAPERED INSULATION DRAWINGS.
8. ROOF SLOPE OBTAINED WITH THE TAPERED INSULATION AT A MINIMUM OF 1/8"=1" EXCEPT FOR CRICKETS WHOSE SLOPE IS OBTAINED BY ADDITIONAL POLY-ISO INSULATION.

9. CRICKETS ARE TO BE CONSTRUCTED AT 1/8"=1'-0" MINIMUM SLOPE FROM MEAN ELEVATION TO RIDGE (R). SEE DIAGRAM A. IN PLAN CRICKETS ARE TO BE CONSTRUCTED IN A 2:1 RATIO. SEE DIAGRAM B.



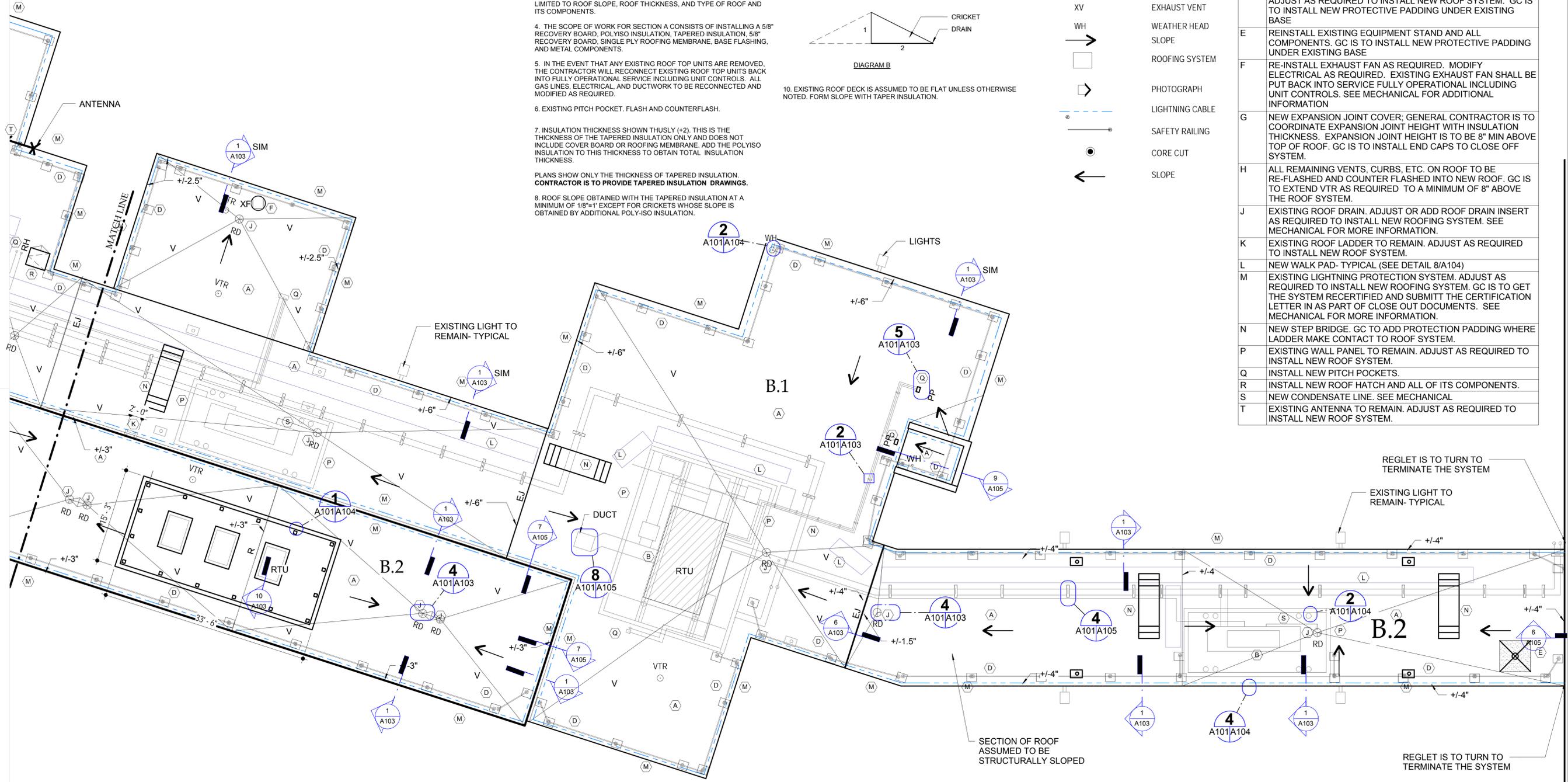
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LEGEND

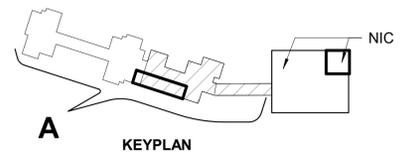
- EJ EXPANSION JOINT
- R RIDGE
- RD ROOF DRAIN
- RTU ROOF TOP UNIT
- V VALLEY
- VTR VENT THRU ROOF
- XF EXHAUST FAN
- XV EXHAUST VENT
- WH WEATHER HEAD
- SLOPE
- ROOFING SYSTEM
- PHOTOGRAPH
- LIGHTNING CABLE
- SAFETY RAILING
- CORE CUT
- SLOPE

CONSTRUCTION GENERAL NOTES

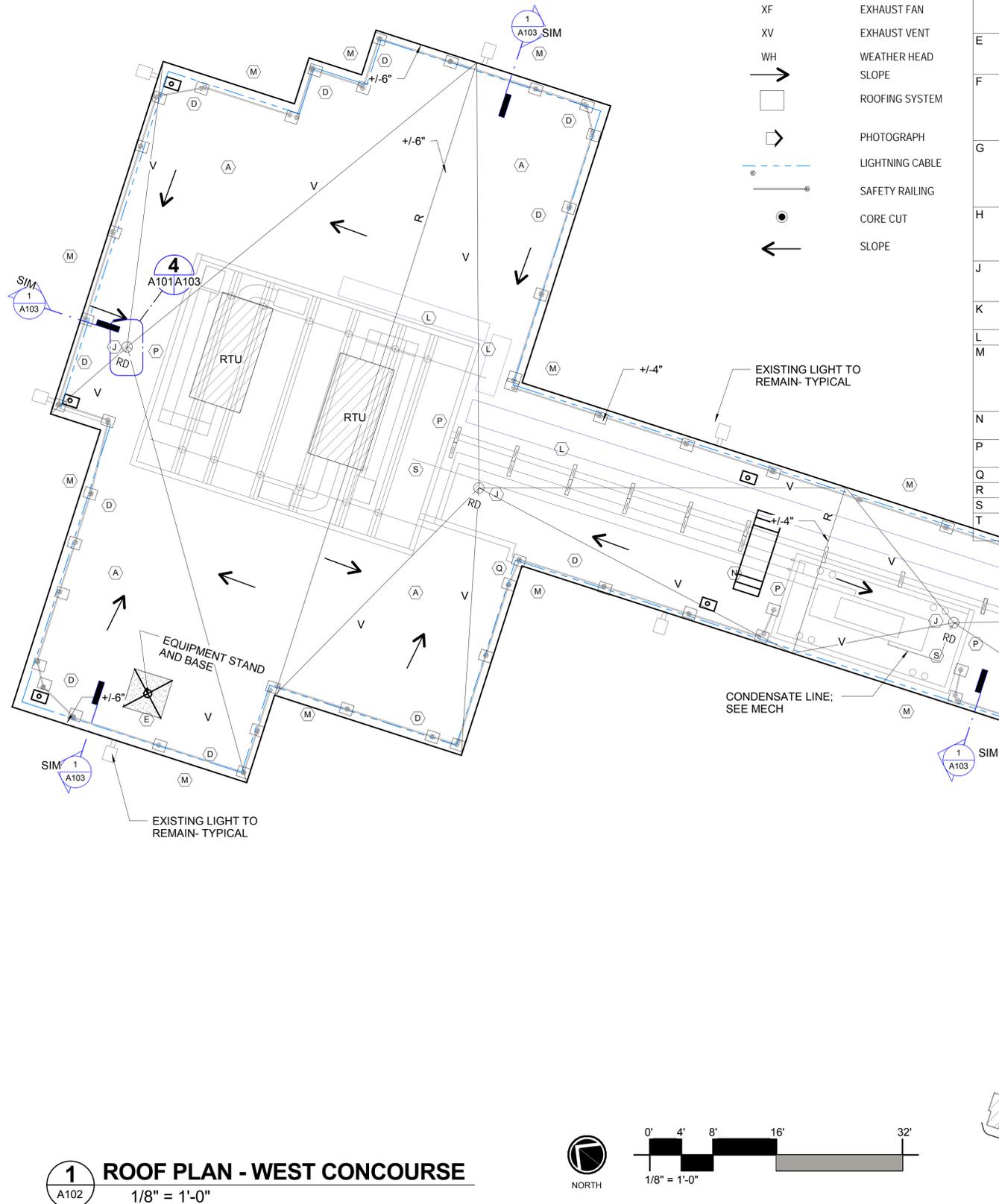
- A PROVIDE NEW ROOFING SYSTEM AND ALL OF ITS COMPONENTS. SEE SECTIONS FOR DESCRIPTION OF COMPONENTS TO BE INSTALLED. NEW ROOF WORK WILL INCLUDE ALL NEW FLASHINGS, AND FASCIAS UNLESS NOTED OTHERWISE.
- B RE-INSTALL EXISTING RTU ON EXISTING CURB. RECONNECT EXISTING NAT. GAS LINE, MODIFY GAS PIPING AS REQUIRED. RECONNECT ELECTRICAL, MODIFY ELECTRICAL AS REQUIRED. RECONNECT EXISTING SUPPLY AND RETURN DUCT, MODIFY AS REQUIRED. EXISTING RTU SHALL BE PUT BACK IN SERVICE FULLY OPERATIONAL INCLUDING UNIT CONTROLS
- C INSTALL NEW 42" PROTECTIVE RAILING. GC TO INSTALL PROTECTIVE PADDING UNDER RAILING BASE.
- D EXISTING PROTECTION RAILING SYSTEM TO REMAIN. GC TO ADJUST AS REQUIRED TO INSTALL NEW ROOF SYSTEM. GC IS TO INSTALL NEW PROTECTIVE PADDING UNDER EXISTING BASE
- E REINSTALL EXISTING EQUIPMENT STAND AND ALL COMPONENTS. GC IS TO INSTALL NEW PROTECTIVE PADDING UNDER EXISTING BASE
- F RE-INSTALL EXHAUST FAN AS REQUIRED. MODIFY ELECTRICAL AS REQUIRED. EXISTING EXHAUST FAN SHALL BE PUT BACK INTO SERVICE FULLY OPERATIONAL INCLUDING UNIT CONTROLS. SEE MECHANICAL FOR ADDITIONAL INFORMATION
- G NEW EXPANSION JOINT COVER: GENERAL CONTRACTOR IS TO COORDINATE EXPANSION JOINT HEIGHT WITH INSULATION THICKNESS. EXPANSION JOINT HEIGHT IS TO BE 8" MIN ABOVE TOP OF ROOF. GC IS TO INSTALL END CAPS TO CLOSE OFF SYSTEM.
- H ALL REMAINING VENTS, CURBS, ETC. ON ROOF TO BE RE-FLASHED AND COUNTER FLASHED INTO NEW ROOF. GC IS TO EXTEND VTR AS REQUIRED TO A MINIMUM OF 8" ABOVE THE ROOF SYSTEM.
- J EXISTING ROOF DRAIN. ADJUST OR ADD ROOF DRAIN INSERT AS REQUIRED TO INSTALL NEW ROOFING SYSTEM. SEE MECHANICAL FOR MORE INFORMATION.
- K EXISTING ROOF LADDER TO REMAIN. ADJUST AS REQUIRED TO INSTALL NEW ROOF SYSTEM.
- L NEW WALK PAD- TYPICAL (SEE DETAIL 8/A104)
- M EXISTING LIGHTNING PROTECTION SYSTEM. ADJUST AS REQUIRED TO INSTALL NEW ROOFING SYSTEM. GC IS TO GET THE SYSTEM RECERTIFIED AND SUBMITT THE CERTIFICATION LETTER IN AS PART OF CLOSE OUT DOCUMENTS. SEE MECHANICAL FOR MORE INFORMATION.
- N NEW STEP BRIDGE. GC TO ADD PROTECTION PADDING WHERE LADDER MAKE CONTACT TO ROOF SYSTEM.
- P EXISTING WALL PANEL TO REMAIN. ADJUST AS REQUIRED TO INSTALL NEW ROOF SYSTEM.
- Q INSTALL NEW PITCH POCKETS.
- R INSTALL NEW ROOF HATCH AND ALL OF ITS COMPONENTS.
- S NEW CONDENSATE LINE. SEE MECHANICAL
- T EXISTING ANTENNA TO REMAIN. ADJUST AS REQUIRED TO INSTALL NEW ROOF SYSTEM.



1 ROOF PLAN - WEST CONCOURSE
A101 1/8" = 1'-0"



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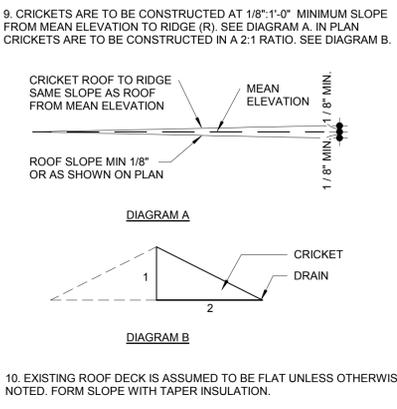


CONSTRUCTION GENERAL NOTES

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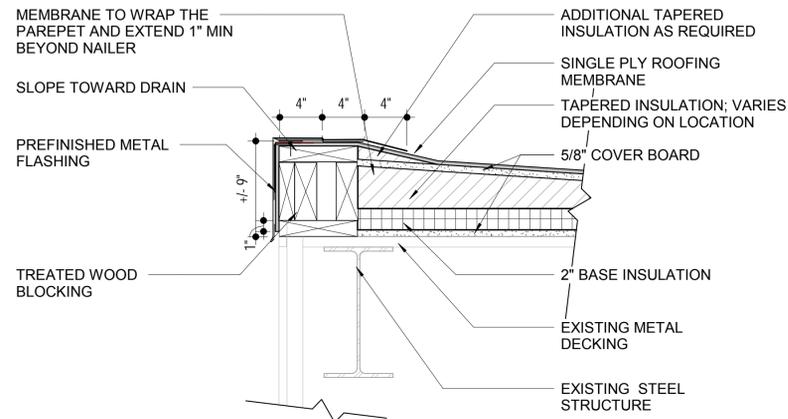
Revisions
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Sheet Title

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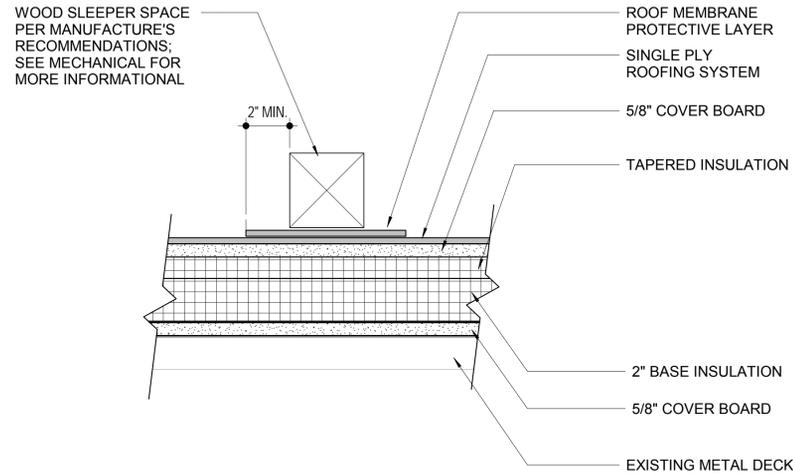
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A102



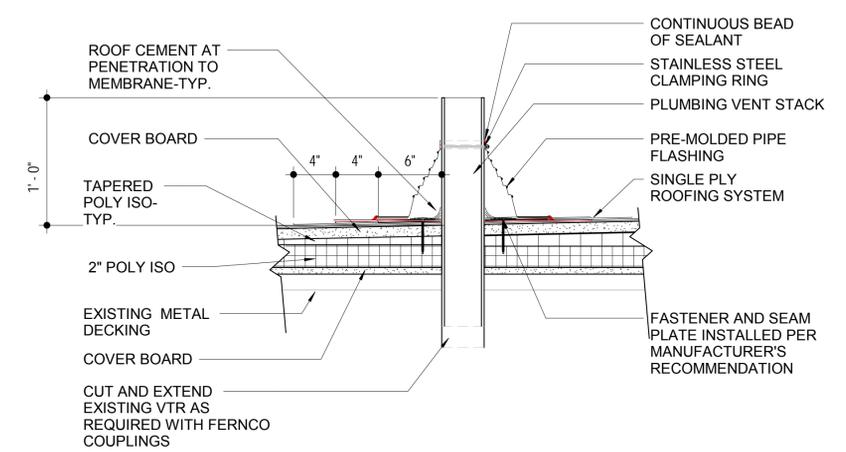
1 ROOF DETAIL- TYPICAL EDGE CONDITION

A101 | A103 1 1/2" = 1'-0"



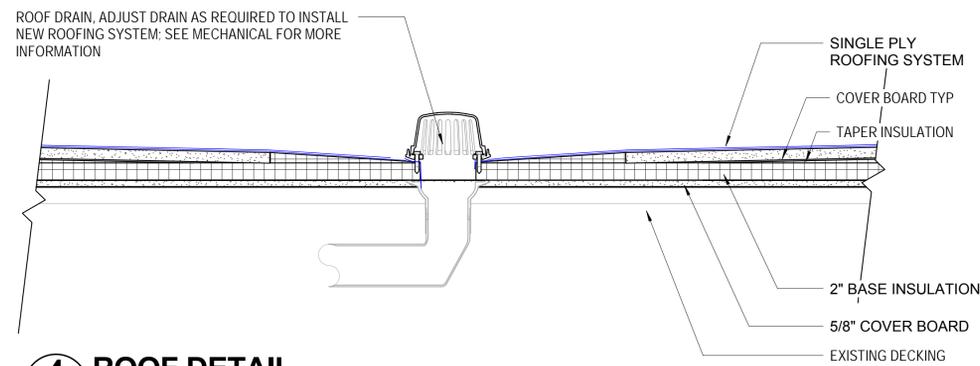
2 WOOD SLEEPER DETAILS

A103 3" = 1'-0"



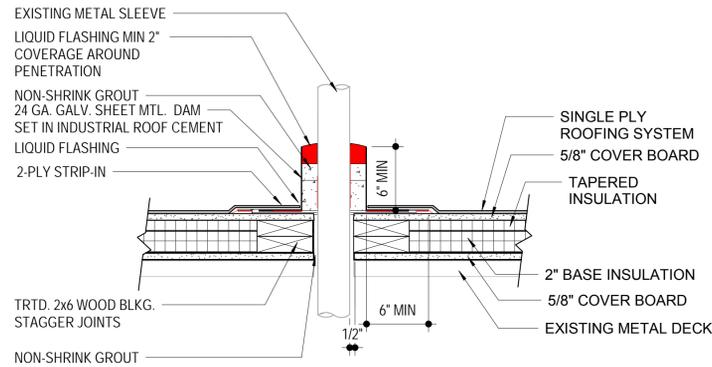
3 VENT THRU ROOF DETAIL

XA101 | A103 1 1/2" = 1'-0"



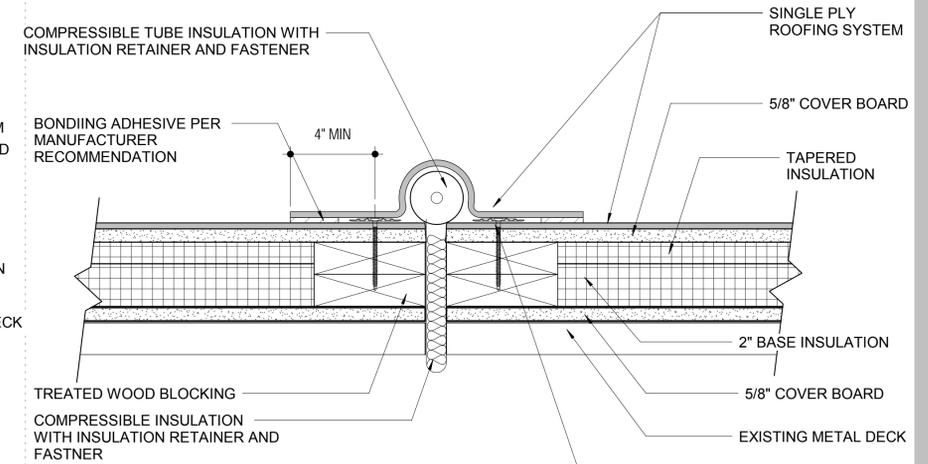
4 ROOF DETAIL

A101 | A103 1 1/2" = 1'-0"



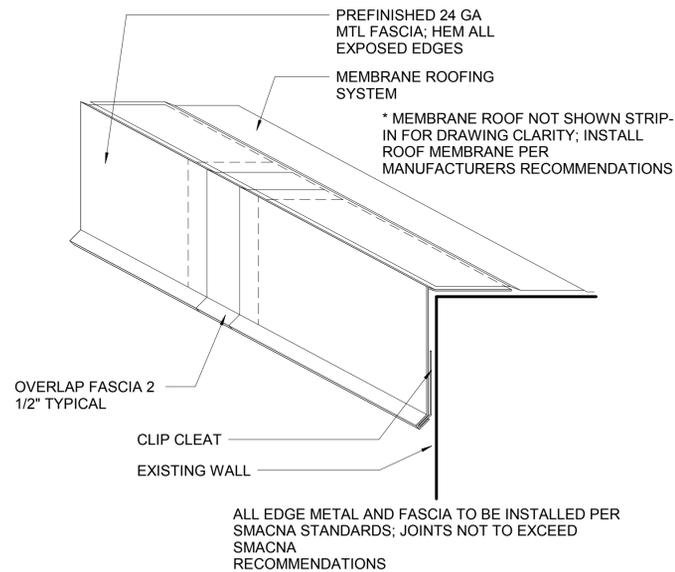
5 PITCH POCKET- TYP

A101 | A103 1 1/2" = 1'-0"



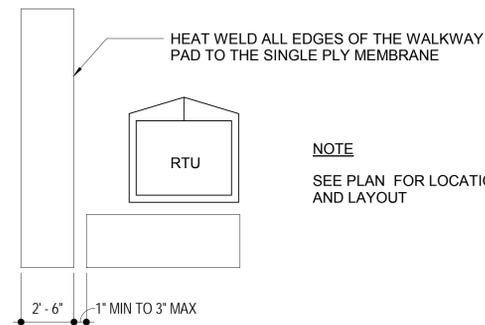
6 ROOF DETAIL

A101 | A103 3" = 1'-0"



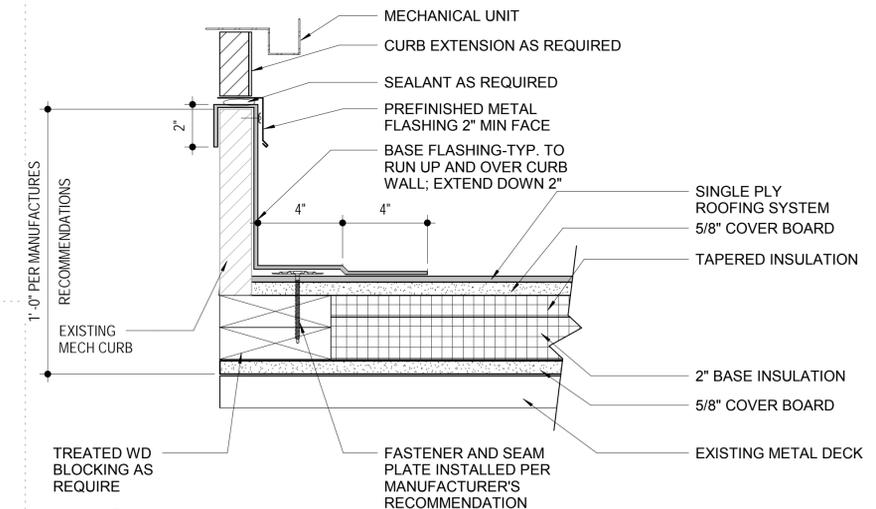
7 FASCIA TYPICAL DETAIL

A103 3" = 1'-0"



8 TYPICAL WALK PAD DETAIL

A103 1/4" = 1'-0"



10 EQPM CURB DETAIL2

A101 | A103 3" = 1'-0"



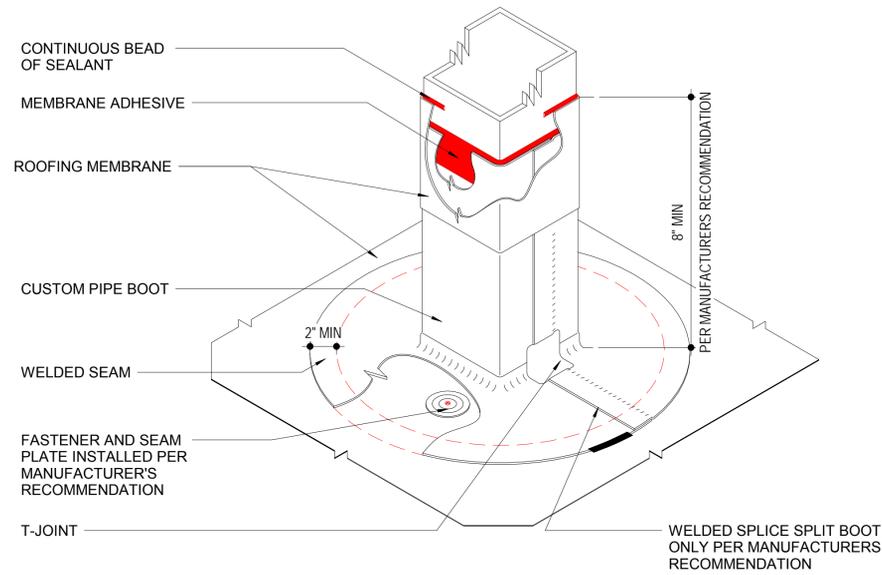
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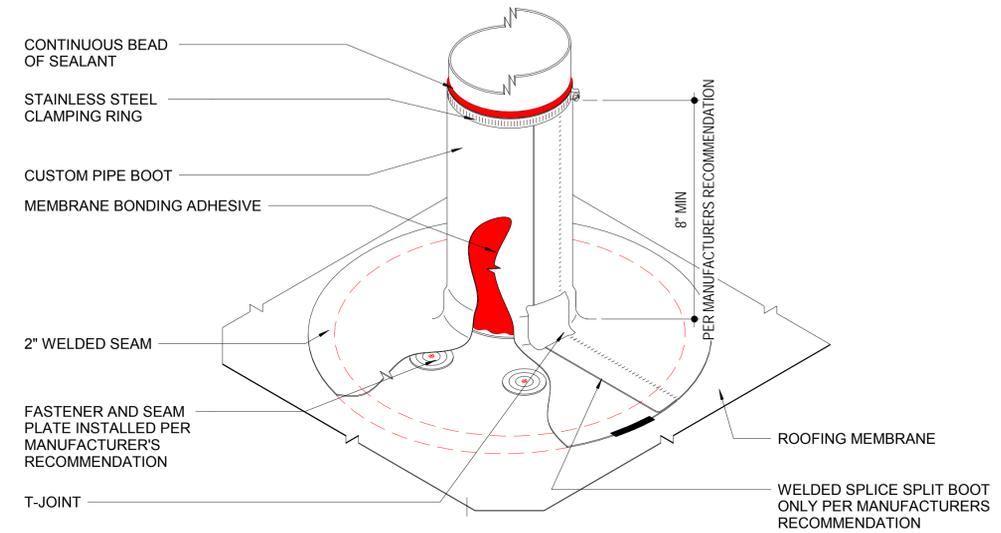
ROOF DETAILS

Sheet Number 13 of 23

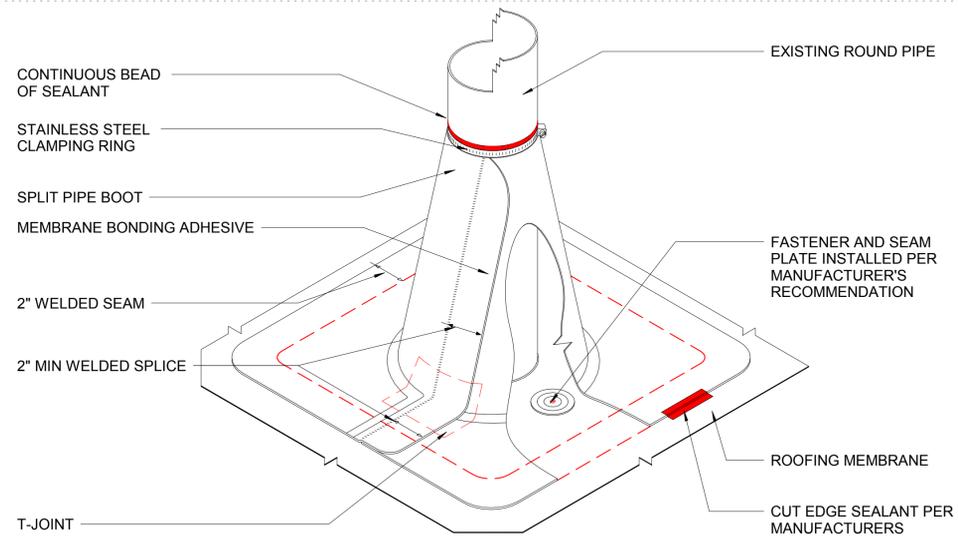
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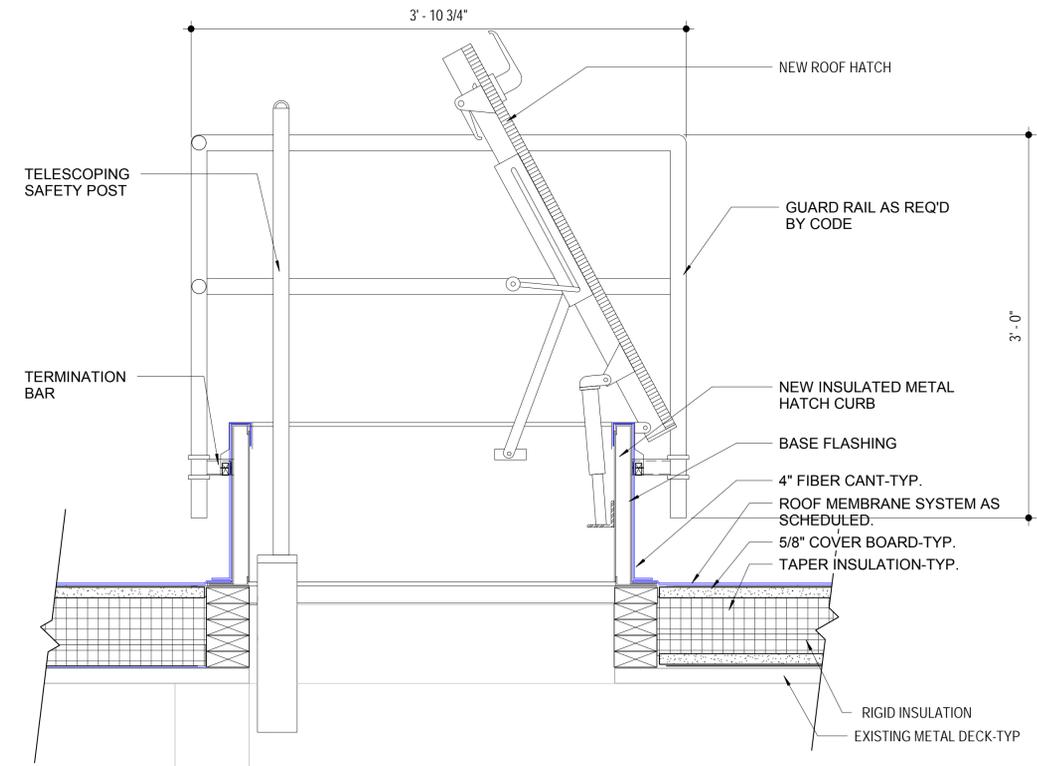
1 SQUARE PIPE PENTRATION DETAIL
 A101 | A104 1 1/2" = 1'-0"



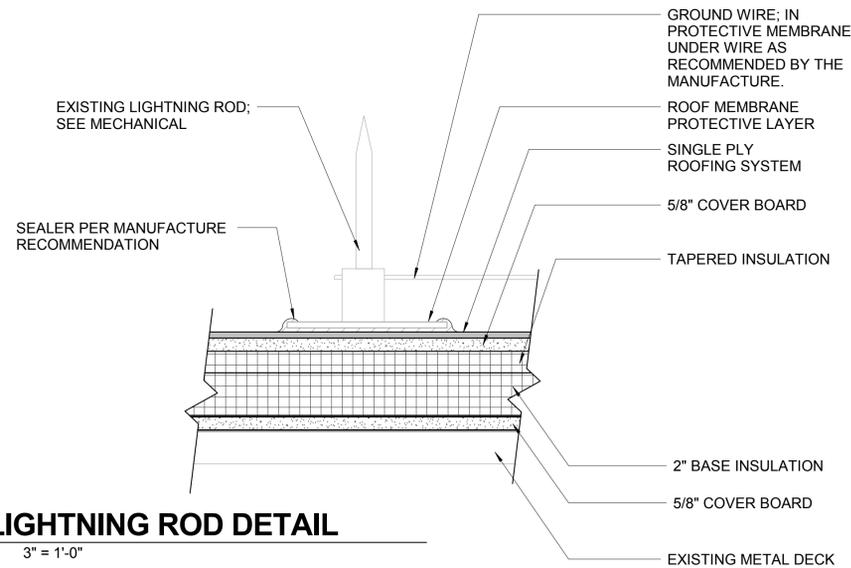
2 ROUND PIPE PENTRATION DETAIL
 A101 | A104 1 1/2" = 1'-0"



3 ROUND PIPE PENTRATION DETAIL
 A104 1 1/2" = 1'-0"



5 ROOF HATCH DETAIL-TYP
 A102 | A104 1 1/2" = 1'-0"



4 LIGHTNING ROD DETAIL
 A101 | A104 3" = 1'-0"



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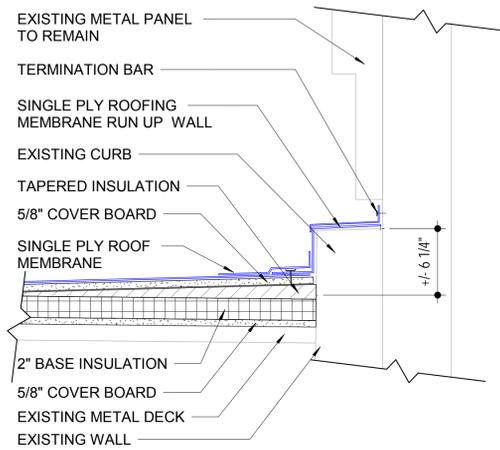
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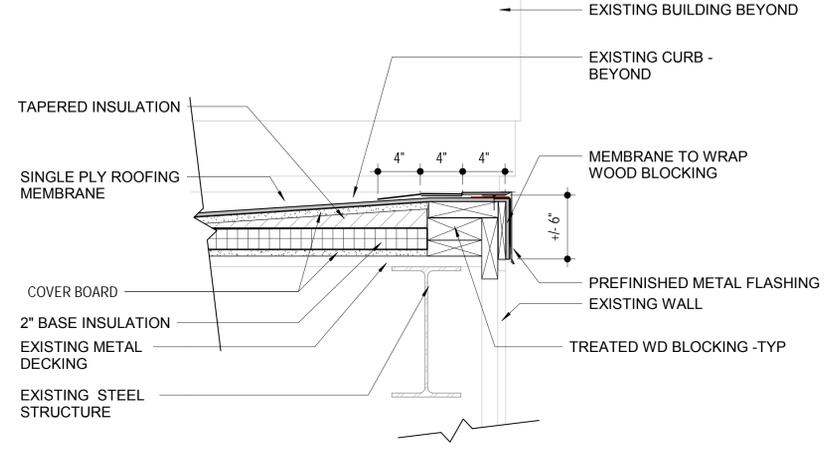
ROOF DETAILS

Sheet Number 14 of 23

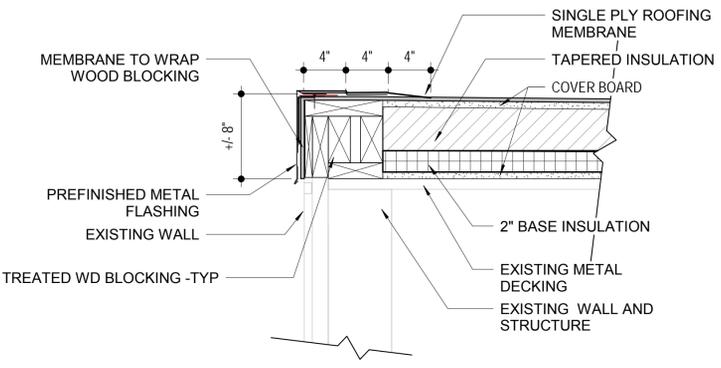
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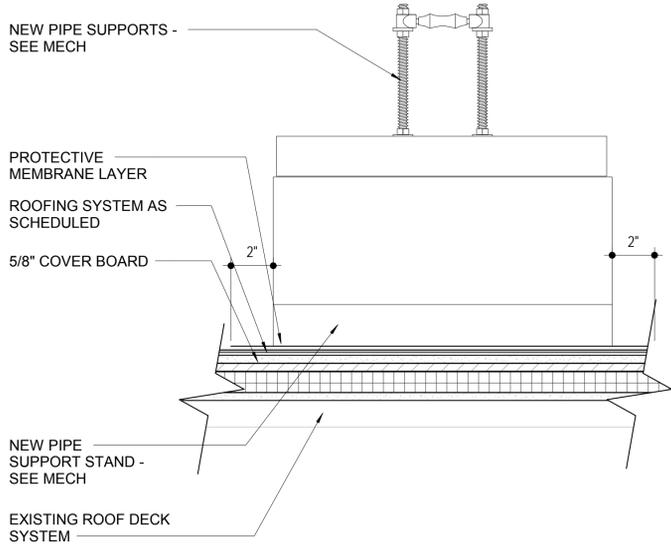
1 ROOF DETAIL
XA101 | A105 1 1/2" = 1'-0"



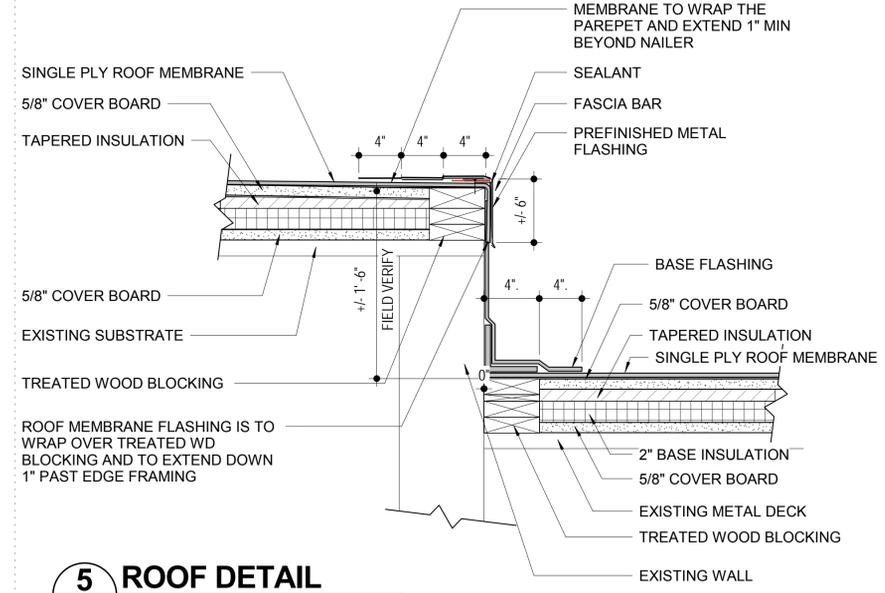
2 ROOF DETAIL EDGE CONDITION
XA101 | A105 1 1/2" = 1'-0"



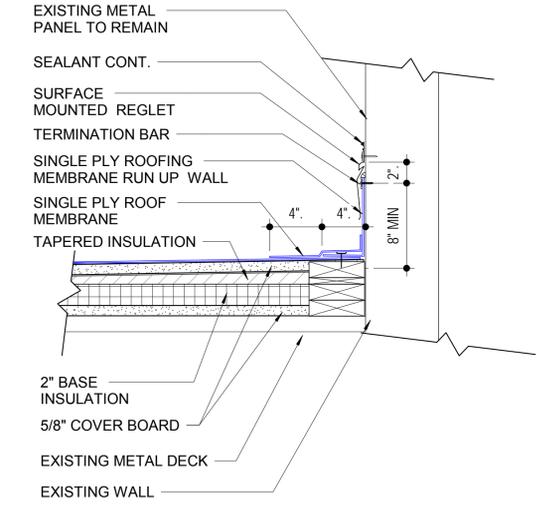
3 ROOF DETAIL EDGE CONDITION
XA101 | A105 1 1/2" = 1'-0"



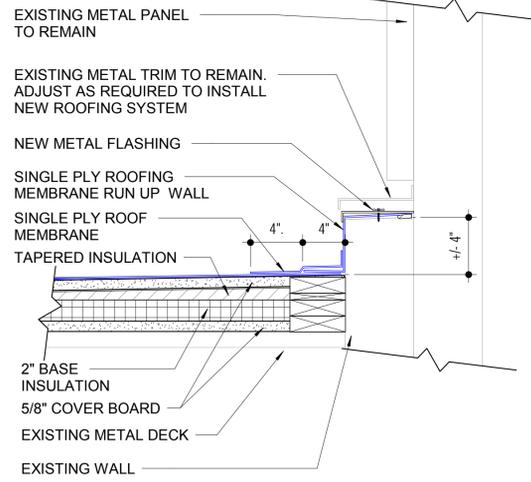
4 PIPE SUPPORT DETAIL
A101 | A105 3" = 1'-0"



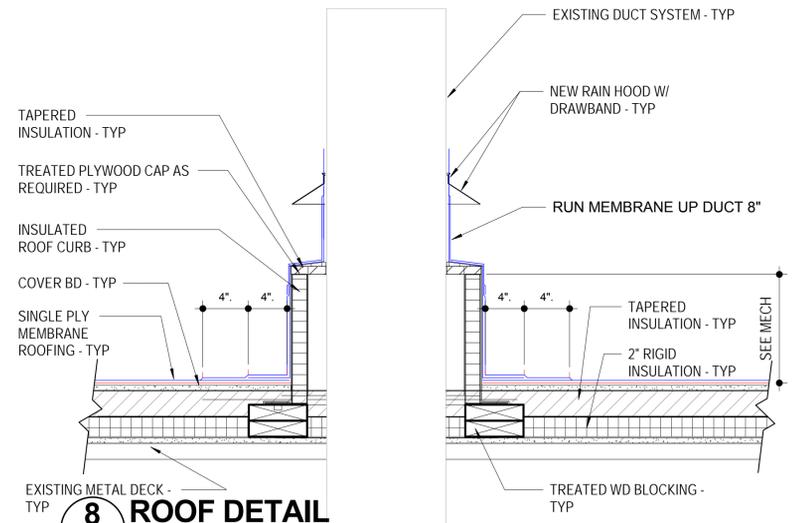
5 ROOF DETAIL
XA101 | A105 1 1/2" = 1'-0"



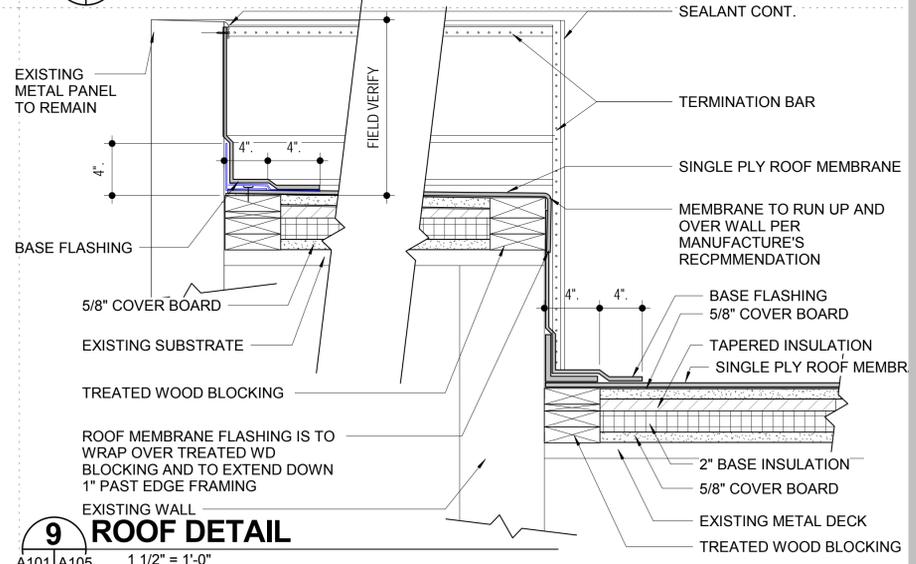
6 ROOF DETAIL
A101 | A105 1 1/2" = 1'-0"



7 ROOF DETAIL
A101 | A105 1 1/2" = 1'-0"



8 ROOF DETAIL
A101 | A105 1 1/2" = 1'-0"



9 ROOF DETAIL
A101 | A105 1 1/2" = 1'-0"



ABBREVIATIONS	
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFS	AIR FLOW STATION
AI	ANALOG INPUT
AO	ANALOG OUTPUT
AHU	AIR HANDLING UNIT
BOP	BOTTOM OF PIPE
BFV	BUTTERFLY VALVE
BFP	BACKFLOW PREVENTER
BAS	BUILDING AUTOMATION SYSTEM
BVU	BUILDING VENTILATION UNIT
CFM	CUBIC FEET PER MINUTE
COMBEN	COMBINATION
COMBU	COMBUSTION
COND	AIR CONDITIONING CONDENSATE
DI	DIGITAL INPUT
DN	DOWN
DO	DIGITAL OUTPUT
DXC	DIRECT EXPANSION COIL
EA	EXHAUST AIR
EMS	ENERGY MANAGEMENT SYSTEM
ERV	ENERGY RECOVERY VENTILATOR
FD	FIRE DAMPER
FS/D	FIRE & SMOKE DAMPER
FWE	FURNISHED WITH EQUIPMENT
GPM	GALLONS PER MINUTE
GF	GAS FURNACE
HR	HEAT RECOVERY
HTWR	HEATING WATER RETURN
HTWS	HEATING WATER SUPPLY
IAW	IN ACCORDANCE WITH
LL	LIQUID LINE
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFG	MANUFACTURER
MIN	MINIMUM
MOC	MAXIMUM OVER-CURRENT PROTECTION
MSCU	MINI-SPLIT CONDENSING UNIT
MSE	MINI-SPLIT EVAPORATOR
MUW	MAKE-UP WATER
MVD	MOTORIZED VOLUME DAMPER
NG	NATURAL GAS
OFE	OWNER FURNISHED EQUIPMENT
OSA	OUTSIDE AIR
PLBG	PLUMBING
PTAC	PACKAGED THRU-WALL AIR CONDITIONER
RA	RETURN AIR
REFRIG	REFRIGERANT
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
SL	SUCTION LINE
SA	SUPPLY AIR
SD	SMOKE DAMPER
SD	SUCTION DIFFUSER
STM	STEAM
SYS	SYSTEM
TDV	TRIPLE DUTY VALVE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
VD	MANUAL VOLUME DAMPER
VT	VARIABLE VOLUME TERMINAL
<=	LESS THAN OR EQUAL TO
>=	GREATER THAN OR EQUAL TO
<	LESS THAN
>	GREATER THAN

CONTROL SYMBOL LEGEND	
	STATIC AIR OR WATER PRESSURE SENSOR
	DIFFERENTIAL PRESSURE SENSOR
	FREEZESTAT, MANUAL RESET
	VARIABLE FREQUENCY DRIVE
	VOLUME PROBE AND TRANSMITTER, AIR FLOW MEASURING
	SMOKE DETECTOR
	ELECTRIC ACTUATOR
	TEMPERATURE SENSOR
	THERMOSTAT
	HUMIDITY SENSOR
	CURRENT SENSING RELAY
	MOTOR STARTER
	FIRE ALARM SYSTEM
	FREEZE STAT
	AIR FLOW STATION
	DIFFERENTIAL PRESSURE SENSOR

PIPING SYMBOL LEGEND	
	BALL VALVE
	BALANCING VALVE WITH PRESSURE TAPS
	DRAIN VALVE
	GATE VALVE
	THREE WAY
	UNION
	PRESSURE/TEMPERATURE TEST PORT
	AUTOMATIC AIR VENT
	GLOBE VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE WITH MOTORIZED OPERATOR
	CHECK VALVE
	REDUCED PRESSURE BACK-FLOW PREVENTOR
	PRESSURE REDUCING VALVE
	STRAINER WITH BLOW-DOWN VALVE
	FLANGE
	PLUG VALVE
	AUTOFLOW VALVE
	IN-LINE PUMP
	DIAL THERMOMETER
	PRESSURE GAUGE WITH GAUGE COCK
	STEM THERMOMETER WITH THERMOWELL
	PIPE ELBOW
	PIPE ELBOW DOWN
	TEE
	TEE DOWN
	CONDENSATE DRAIN (INSULATE PER SPECS)
	REFRIGERANT SUCTION (INSULATE PER SPECS)
	REFRIGERANT LIQUID
	NATURAL GAS

HVAC SYMBOL LEGEND	
	DUCT RUNOUT TO AIR DISTRIBUTION. MAXIMUM FLEX DUCT LENGTH IS 5'-0", PROPERLY SUPPORTED. END CAP
	MANUAL DAMPER
	90 DEG. MITERED ELBOW W/ TURNING VANES
	90 DEG. ELBOW
	45 DEG. BRANCH TAP
	CONICAL TAKEOFF
	CONCENTRIC DUCT REDUCER
	SQUARE TO ROUND CONCENTRIC REDUCER
	RISE IN DIRECTION OF AIR FLOW
	DROP IN DIRECTION OF AIR FLOW
	90 DEG. ELBOW UP
	90 DEG. ELBOW DOWN
	CEILING DIFFUSER
	CEILING DIFFUSER, 1 WAY BLOW
	CEILING DIFFUSER, 2 WAY BLOW
	CEILING DIFFUSER, 2 WAY CORNER BLOW
	CEILING DIFFUSER, 3 WAY BLOW
	CEILING RETURN GRILLE
	CEILING EXHAUST GRILLE
	DIFFUSER BELOW DUCT
	INTERNALLY LINED DUCT
	EXTERNALLY WRAPPED DUCT
	HVAC SECTION INDICATOR
	AHU-1
	SPACE HUMIDISTAT
	SPACE THERMOSTAT
	SPACE TEMPERATURE SENSOR
	SPACE HUMIDITY SENSOR
	PRESSURE SENSOR
	DUCT MOUNTED SMOKE DETECTOR
	AUTOMATIC TEMPERATURE CONTROL PANEL
	ENERGY MANAGEMENT SYSTEM
	SPACE AIR PRESSURE RELATIONSHIP INDICATES QUANTITY AND DIRECTION OF AIR FLOW
	BACKDRAFT DAMPER, COUNTER-BALANCED
	BACKDRAFT DAMPER, MANUAL
	NEW CONNECTION TO EXISTING
	NEW
	EXISTING
	LIMITS OF DEMOLITION
	DEMOLITION
	DOMESTIC COLD WATER SUPPLY
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC HOT WATER RETURN
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	REHEAT WATER SUPPLY
	REHEAT WATER RETURN

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS SHOWN MAY NOT APPEAR ON DRAWINGS.

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Project
ROOF REPLACEMENT FOR THE WEST CONCOURSE JACKSON MUNICIPAL AIRPORT AUTHORITY JACKSON, MISSISSIPPI

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Sheet Title

MECHANICAL ABBREVIATIONS, LEGENDS, & SYMBOLS

Sheet Number 1 of 8

M001



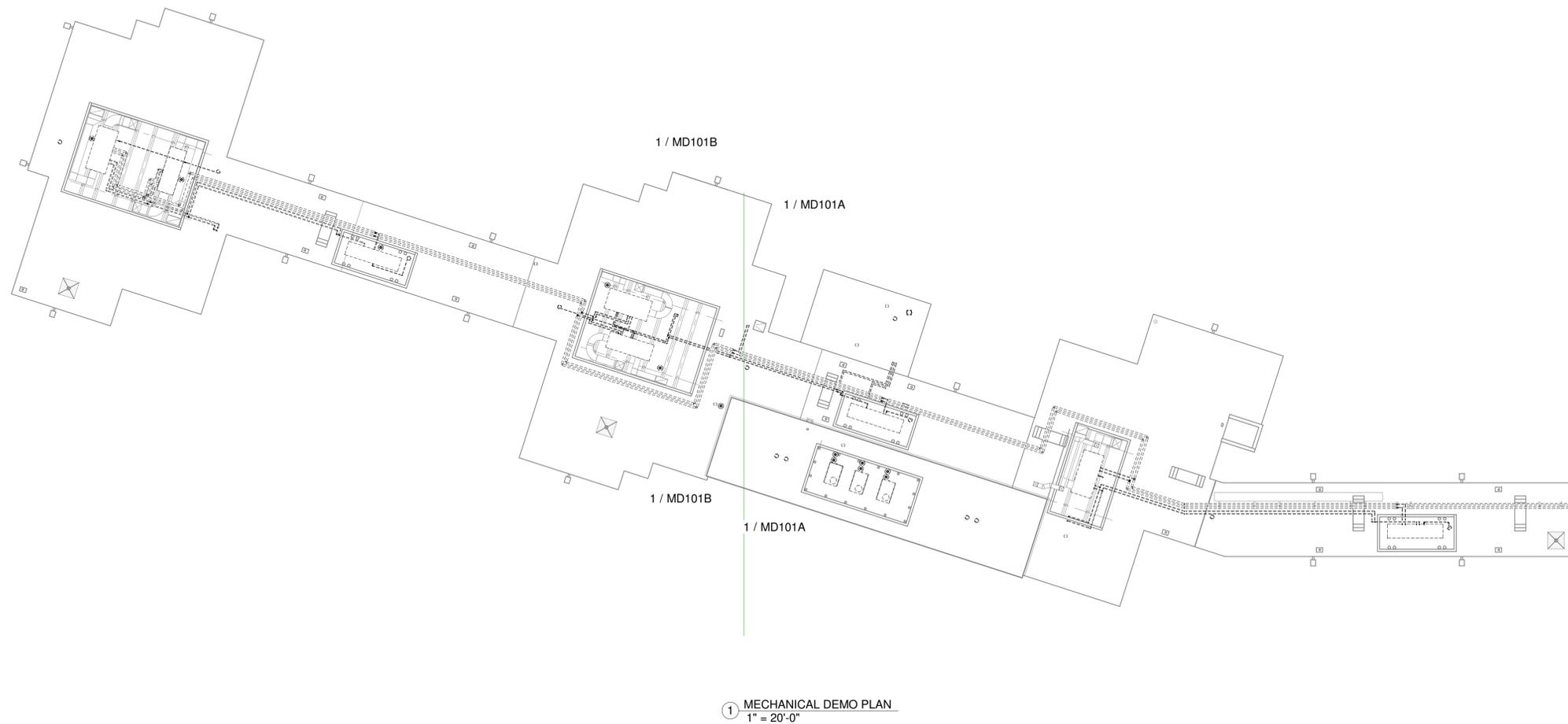
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HVAC DEMOLITION GENERAL NOTES

- 1 ALL INFORMATION AND WORK SHOWN AS EXISTING WAS TAKEN FROM NOTES OR CURSORY FIELD VISITS BY THE ENGINEER AND FROM PAST CONSTRUCTION DOCUMENTS. EQUIPMENT, DUCTWORK, AND PIPING HAVE BEEN SHOWN IN AN APPROPRIATE WAY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. CONSEQUENTLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL WORK NECESSARY TO RENOVATE, ALTER, CHANGE, AND REPAIR EXISTING SYSTEMS BASED UPON THE ACTUAL FIELD CONDITIONS.
- 2 BEFORE PRECEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING, AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.
- 3 CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO REMAINING STRUCTURES, OR SYSTEMS (PLUMBING, ELECTRICAL) RESULTING FROM THE PERFORMANCE OF THE SCOPE OF DEMOLITION OF MECHANICAL EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- 4 CONTRACTOR SHALL ENSURE THAT REMAINING FACILITIES MAINTAIN FUNCTIONALITY DURING THE DEMOLITION OF MECHANICAL EQUIPMENT.

PLUMBING DEMOLITION GENERAL NOTES

- 1 BEFORE PRECEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE FROM THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.
- 2 CONTRACTOR SHALL ENSURE THAT REMAINING FACILITIES MAINTAIN FUNCTIONALITY DURING THE DEMOLITION.
- 3 THE PLUMBING CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR NEW AND RENOVATED CONSTRUCTION WHETHER OR NOT SPECIFICALLY NOTED AND INCLUDING BUT NOT LIMITED TO THE FOLLOWING: REMOVAL OF PLUMBING FIXTURES, TRIM, SUPPLIES, TRAPS, CLEANOUTS, DRAINS, WATER HEATERS, PUMPS, VALVES, RELVATED PIPING, ETC. THAT MIGHT REASONABLY BE REQUIRED TO BE REMOVED IN PREPARATION FOR INSTALLATION OF NEW CONSTRUCTION, SPECIFIED FIXTURES OR OTHER EQUIPMENT REQUIRING PLUMBING.
- 4 REPAIR TO MATCH EXISTING ALL DAMAGE DONE TO WALLS, FLOORS, AND CEILINGS AS A RESULT OF THIS WORK.
- 5 CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS BEFORE THE START OF ANY WORK.
- 6 CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO REMAINING STRUCTURES, OR SYSTEMS (PLUMBING, MECHANICAL, ELECTRICAL) RESULTING FROM THE PERFORMANCE OF THE SCOPE OF DEMOLITION AT NO ADDITIONAL COST TO THE OWNER.



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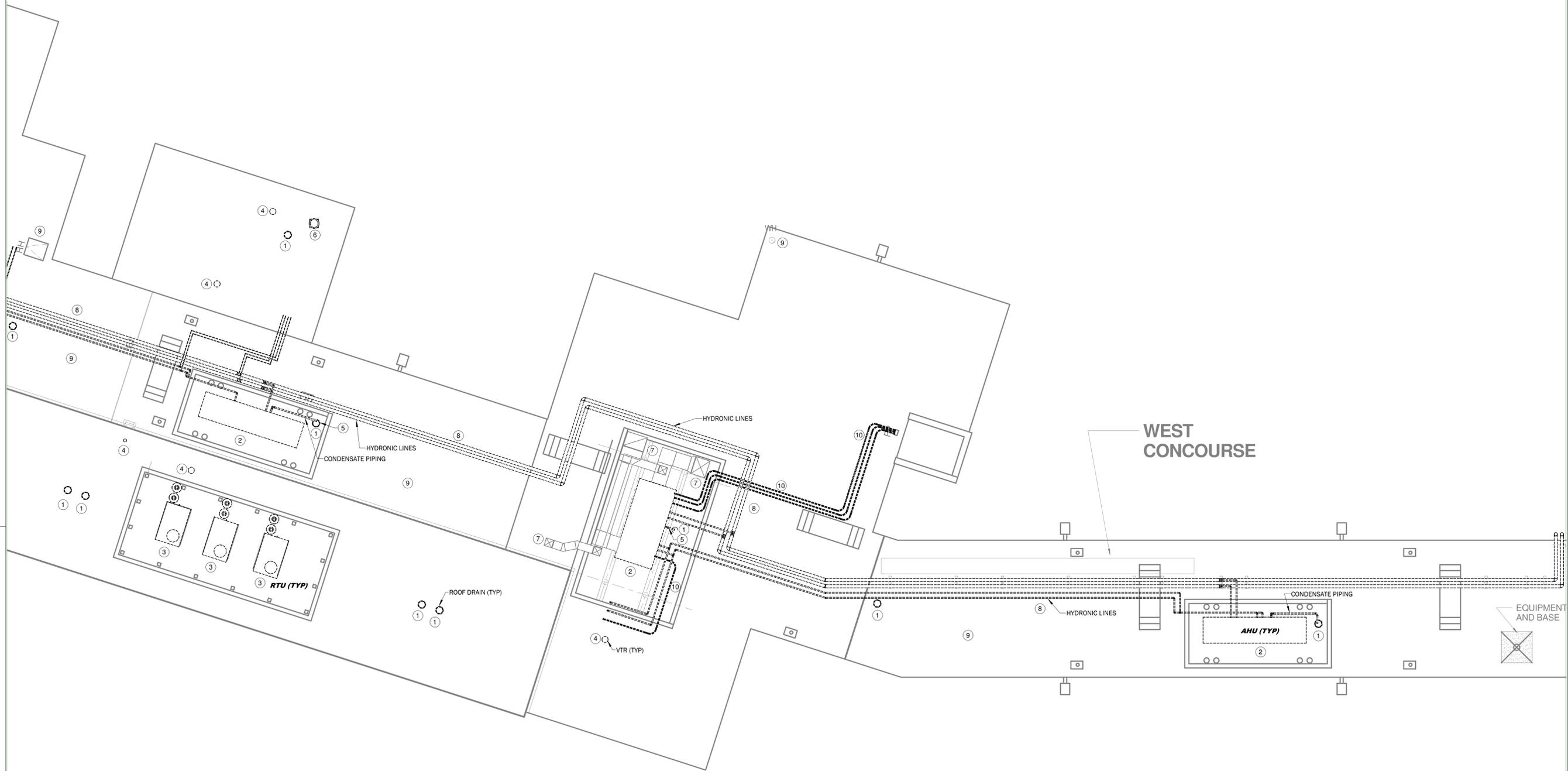
MECHANICAL DEMO PLAN OVERALL

Sheet Number 6 of 8

MD101



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KEYNOTES

- 1 DEMO EXISTING ROOF DRAIN. CONTRACTOR TO MAKE NECESSARY MODIFICATION TO LEADER FOR CONNECTION OF NEW ROOF DRAIN THRU NEW ROOF.
- 2 EXISTING AIR HANDLER UNIT TO BE TAGGED, DISCONNECTED AND STORED FOR REUSE. LEAVE ROOF CURB, HYDRONIC PIPING, AND ELECTRICAL SERVICE IN PLACE FOR RECONNECTION TO EXISTING AIR HANDLER UNIT.
- 3 EXISTING ROOF TOP UNIT TO BE TAGGED, DISCONNECTED AND STORED FOR REUSE. LEAVE ROOF CURB AND ELECTRICAL SERVICE IN PLACE FOR RECONNECTION TO EXISTING ROOF TOP.
- 4 EXISTING VENT THRU ROOF SHALL BE CUT BELOW ROOF DECK AND PIPING DISCARDED.
- 5 DEMO EXISTING CONDENSATE DRAIN PIPING.
- 6 EXISTING ROOF EXHAUST FAN TO BE TAGGED, REMOVED AND STORED FOR REUSE, PROVIDED NEW CURB EXTENSION AND BELTS. CLEAN AND SERVICE FAN PRIOR TO RE-INSTALLATION.
- 7 EXISTING DUCT TO REMAIN IN PLACE - FLASH AND COUNTERFLASH.
- 8 EXISTING HYDRONIC PIPING TO REMAIN IN SERVICE AND WILL NEED TO BE TEMPORARILY SUPPORTED DURING RE-ROOFING PROCESS.
- 9 ALL REMAINING VENTS, CURBS, ETC. ON ROOF TO BE RE-FLASHED AND COUNTER FLASHED INTO NEW ROOF.
- 10 EXISTING WIRING TO REMAIN IN SERVICE. DEMO EXISTING JUNCTION BOXES AND CONDUIT JUST BELOW ROOF. TEMPORARILY PROTECT WIRING FROM DAMAGE AND WEATHER.

1 MECHANICAL DEMO PLAN A
1/8" = 1'-0"



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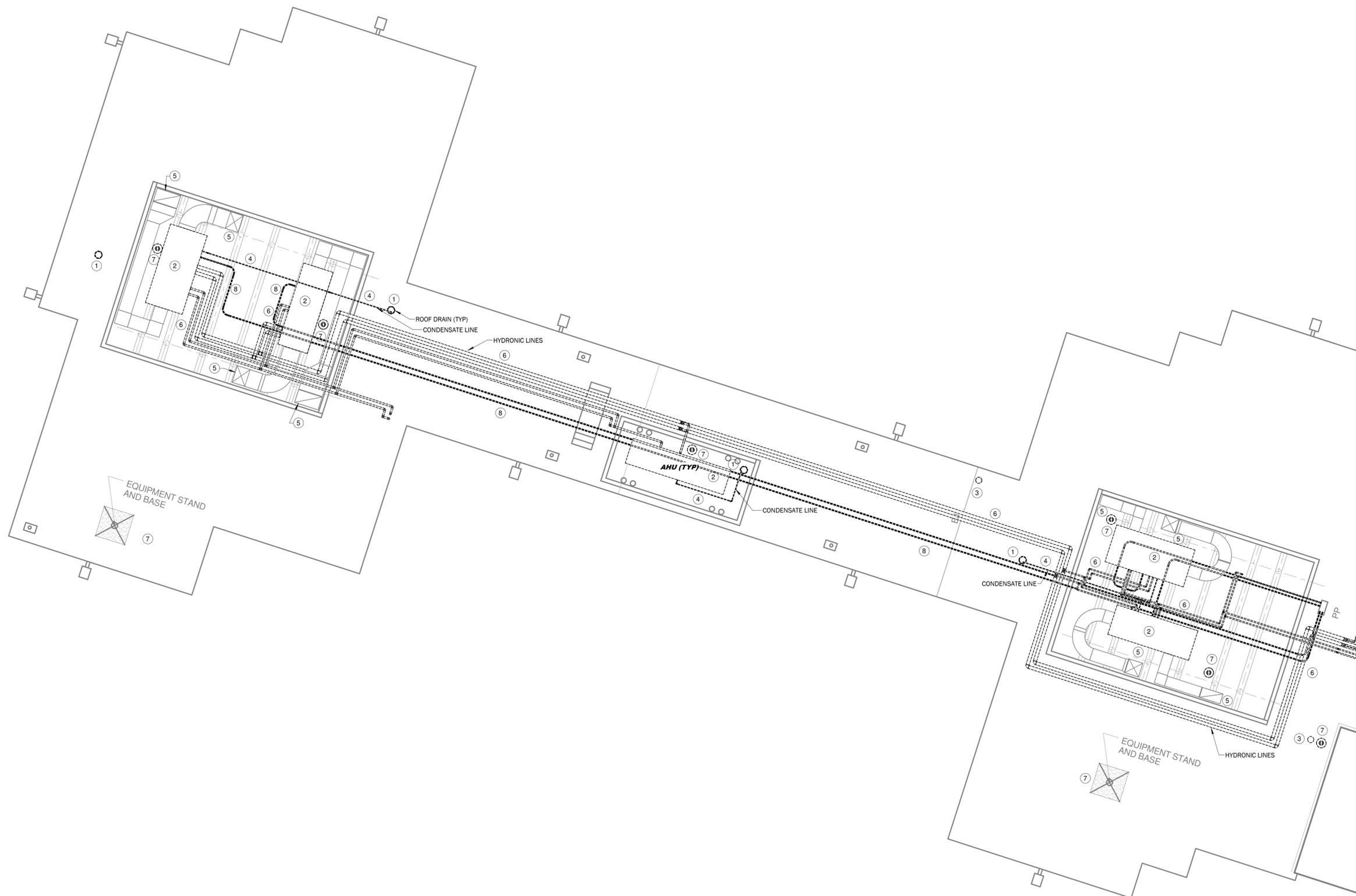
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WEST CONCOURSE
JACKSON MUNICIPAL AIRPORT AUTHORITY
JACKSON, MISSISSIPPI

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MECHANICAL DEMO PLAN WEST CONCOURSE ROOF

Sheet Number 7 of 8

MD101A



- # KEYNOTES**
- 1 DEMO EXISTING ROOF DRAIN, CONTRACTOR TO MAKE NECESSARY MODIFICATION TO LEADER FOR CONNECTION OF NEW ROOF DRAIN THRU NEW ROOF.
 - 2 EXISTING AIR HANDLER UNIT TO BE TAGGED, DISCONNECTED AND STORED FOR REUSE. LEAVE ROOF CURB, HYDRONIC PIPING, AND ELECTRICAL SERVICE IN PLACE FOR RECONNECTION TO EXISTING AIR HANDLER UNIT.
 - 3 EXISTING VENT THRU ROOF SHALL BE CUT BELOW ROOF DECK AND PIPING DISCARDED.
 - 4 DEMO EXISTING CONDENSATE DRAIN PIPING.
 - 5 EXISTING DUCT TO REMAIN IN PLACE - FLASH AND COUNTERFLASH.
 - 6 EXISTING HYDRONIC PIPING TO IN SERVICE AND WILL NEED TO BE TEMPORARILY SUPPORTED DURING RE-ROOFING PROCESS.
 - 7 ALL REMAINING VENTS, CURBS, ETC. ON ROOF TO BE RE-FLASHED AND COUNTER FLASHED INTO NEW ROOF.
 - 8 EXISTING WIRING TO REMAIN IN SERVICE. DEMO EXISTING JUNCTION BOXES AND CONDUIT JUST BELOW ROOF. TEMPORARILY PROTECT WIRING FROM DAMAGE AND WEATHER.

1 MECHANICAL DEMO PLAN B
1/8" = 1'-0"



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Sheet Title

MECHANICAL DEMO PLAN WEST CONCONOURSE ROOF

Sheet Number 8 of 8

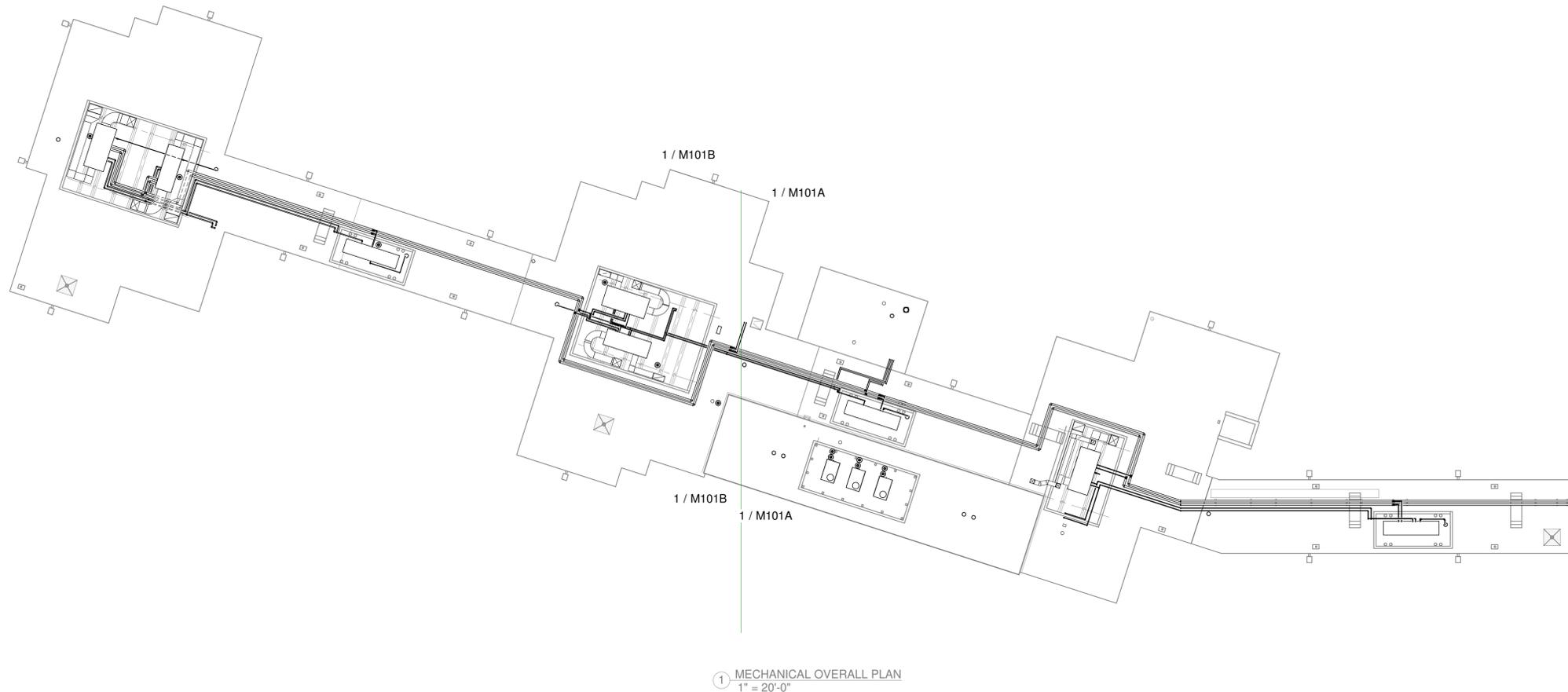
MD101B

HVAC GENERAL NOTES

1. THE CONTRACTOR SHALL MAKE ALL FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION AND ERECTION OF HVAC DUCTWORK. DUCTWORK AND RELATED EQUIPMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 90A, NFPA 90B AND THE SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) HVAC DUCT CONSTRUCTION STANDARDS - METAL & FLEXIBLE.
2. DUCT SUPPORTS SHALL BE IN ACCORDANCE WITH THE SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA-DCS), PLAN DETAILS AND SPECIFICATIONS.
3. SEAL ALL SEAMS AND JOINTS IN SHEET METAL DUCTS WITH SOLVENT BASED SEALANT PER SPECIFICATIONS.
4. USE RADIUS FITTINGS IN ALL SYSTEMS UNLESS CONDITIONS PROHIBIT THEIR USE. RADIUS TURNS IN SHEET METAL DUCTS SHALL BE MADE USING STANDARD RADIUS TYPE ELBOWS. SQUARE TURNS IN SHEET METAL DUCTS SHALL HAVE DOUBLE WALL VANED ELBOWS.
5. WHERE DUCTWORK IS TO BE FASTENED TO THE INTAKE OR DISCHARGE OF HVAC EQUIPMENT, A FLEXIBLE CONNECTION OF "VENT GLASS" FABRIC, OR APPROVED EQUAL SHALL BE PROVIDED BETWEEN THE DUCTWORK AND EQUIPMENT.
6. THESE PLANS ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS, IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. INSTALLATION OF HVAC UNITS, DUCTWORK, FIRE DAMPERS, VENT PIPING, FIRE STOPS, CONDENSATE LINES AND REFRIGERANT LINES SHALL COMPLY WITH LOCAL BUILDING CODES, DRAWINGS AND SPECIFICATIONS.
7. CONTRACTOR SHALL RECORD ALL EXISTING CONDITIONS REGARDING ROOF CURB HEIGHTS AND MECHANICAL EQUIPMENT HEIGHT ABOVE ROOF AND EXTEND DUCTWORK AND ROOF CURB AS NECESSARY FOR THE INSTALLATION OF NEW ROOFING SYSTEM.
8. CONTRACTOR SHALL VERIFY ALL OUTSIDE AIR INTAKE DUCT OPENINGS AND EXHAUST AIR DUCT OPENINGS ARE A MINIMUM OF 6" ABOVE ROOF SURFACE. CONTRACTOR SHALL EXTEND OUTSIDE AIR INTAKE DUCT OPENINGS AND EXHAUST AIR DUCT OPENINGS TO 6" ABOVE NEW ROOF SURFACE THAT DO NOT MEET THE 6" MINIMUM REQUIREMENT.
9. CONTRACTOR SHALL TEMPORARILY RAISE AND SUPPORT ANY ELECTRICAL CONDUIT, HYDRONIC PIPING, REFRIGERANT PIPING, AND CONDENSATE PIPING TO ALLOW FOR THE INSTALLATION OF THE NEW ROOFING SYSTEM. TEMPORARY COOLING AND HEATING AND POWER SHALL BE PROVIDED AS NEEDED TO ENSURE SPACES ASSOCIATED WITH THE ELECTRICAL CONDUIT, HYDRONIC PIPING, REFRIGERANT PIPING, AND CONDENSATE PIPING OPERATE AS NORMAL.
10. CONTRACTOR SHALL DOCUMENT LOCATION AND ROUTING OF EXISTING LIGHTING RODS AND CABLING AND REINSTALL TO ORIGINAL CONDITION AND PER APPLICABLE CODES.

PLUMBING GENERAL NOTES

1. COORDINATE ALL WORK BETWEEN TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC..
2. INSTALL ALL ROOF DRAINS PER MANUFACTURER RECOMMENDATIONS AND INSTRUCTIONS. REPLACE ALL DAMAGED PIPING AND INSULATION WITHIN 5' OF ROOF DRAIN OUTLET. CONSULT MECHANICAL ENGINEER OF RECORD REGARDING ANY ADDITIONAL PIPING AND INSULATION REPLACEMENT OVER 5' FROM ROOF DRAIN OUTLET.
3. CONTRACTOR SHALL VERIFY ALL VENT THROUGH ROOF PIPING IS A MINIMUM OF 16" ABOVE ROOF SURFACE. CONTRACTOR SHALL EXTEND ALL VENT THROUGH ROOF PIPING TO 16" ABOVE NEW ROOF SURFACE THAT DOES NOT MEET THE 16" MINIMUM REQUIREMENT.



1 MECHANICAL OVERALL PLAN
1" = 20'-0"



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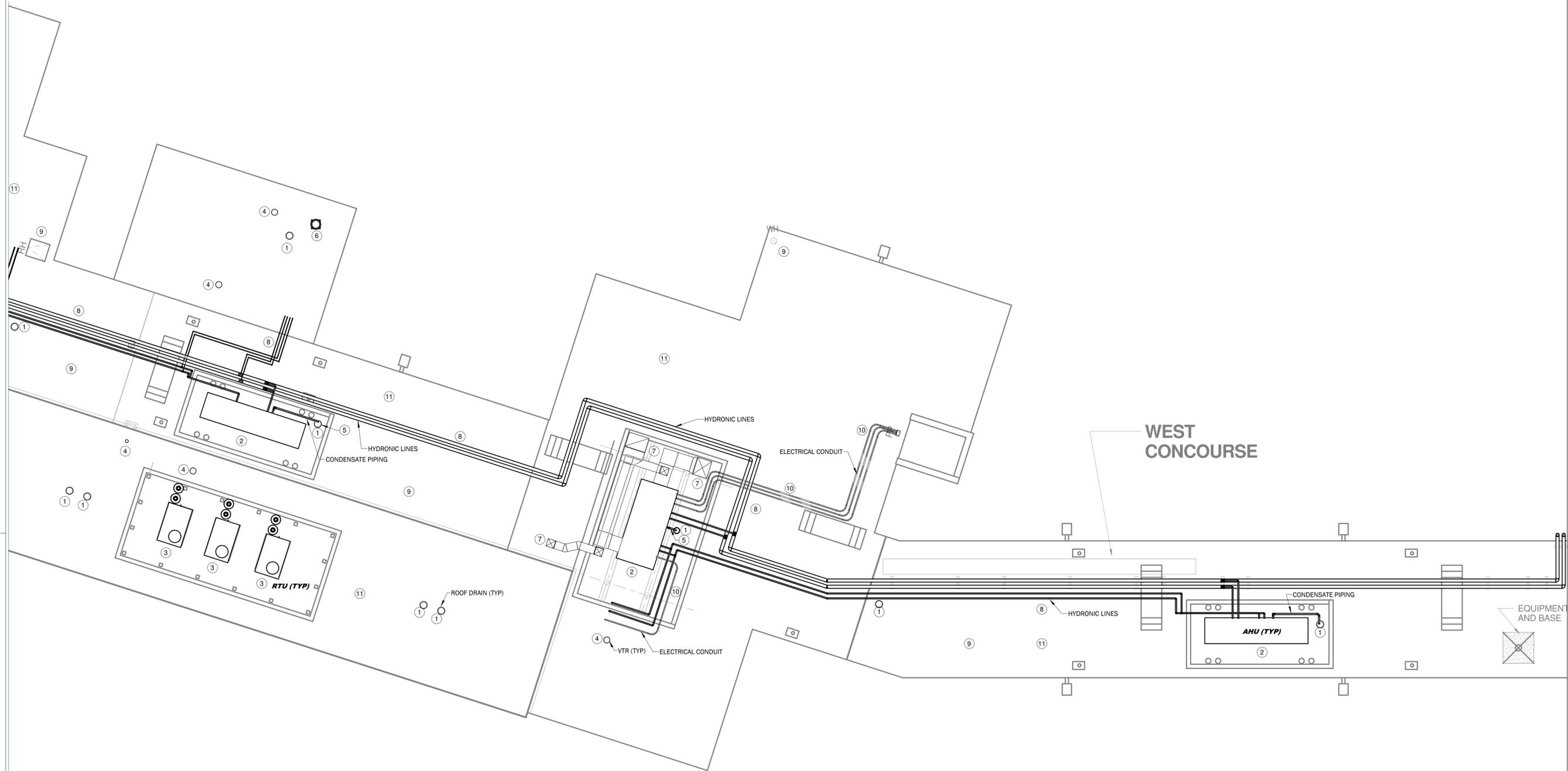
MECHANICAL PLAN OVERALL

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M101



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1 MECHANICAL PLAN A
1/8" = 1'-0"

KEYNOTES

- 1 EXTEND ROOF DRAIN LEADER THRU NEW ROOF AND CONNECT TO NEW ROOF DRAIN ZURN MODEL Z100 OR APPROVED EQUAL.
- 2 RE-INSTALL EXISTING AHU ON EXISTING ROOF CURB WITH NEW CURB EXTENSION. NEW CURB EXTENSION SHALL BE SUFFICIENT HEIGHT TO ALLOW FOR PROPER CONDENSATE TRAP DEPTH AS RECOMMENDED BY AHU MANUFACTURER. RECONNECT EXISTING HYDRONIC LINES. MODIFY HYDRONIC LINES AS REQUIRED. RECONNECT ELECTRICAL. MODIFY ELECTRICAL AS REQUIRED. RECONNECT EXISTING SUPPLY AND RETURN DUCT. MODIFY AS REQUIRED. EXISTING AHU SHALL BE PUT BACK IN SERVICE FULLY OPERATIONAL INCLUDING UNIT CONTROLS.
- 3 RE-INSTALL EXISTING RTU ON EXISTING ROOF CURB WITH NEW CURB EXTENSION. NEW CURB EXTENSION SHALL BE SUFFICIENT HEIGHT TO ALLOW FOR PROPER CONDENSATE TRAP DEPTH AS RECOMMENDED BY RTU MANUFACTURER. RECONNECT ELECTRICAL. MODIFY ELECTRICAL AS REQUIRED. RECONNECT EXISTING SUPPLY AND RETURN DUCT. MODIFY AS REQUIRED. EXISTING RTU SHALL BE PUT BACK IN SERVICE FULLY OPERATIONAL INCLUDING UNIT CONTROLS.
- 4 EXTEND PLUMBING VENT THRU NEW ROOF TO A MINIMUM OF 16" ABOVE ROOF DECK. VENT LINE SHALL BE CUT BELOW ROOF DECK. PROVIDE AND INSTALL NEW EXTENSIONS AND CONNECT WITH FLEXIBLE RUBBER COUPLINGS. NEW VENT EXTENSIONS TO MATCH EXISTING PIPING MATERIAL AND SIZE. CONTRACTOR SHALL VERIFY VENT LINE IS LOCATED 10' OR MORE FROM ANY BUILDING INTAKE OR OUTSIDE AIR INTAKE. ANY VENT LINE LOCATED WITHIN 10' OF ANY BUILDING INTAKE OR OUTSIDE AIR INTAKE SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.
- 5 NEW CONDENSATE PIPING. NEW CONDENSATE PIPING SHALL BE SUPPORTED FROM THE ROOF WITH MIFAB CS10 (OR EQUAL) ROOF PIPE SUPPORTS. CONDENSATE PIPING FROM EACH RTU/AHU TO BE ROUTED TO THE NEAREST ROOF DRAIN AS INDICATED.
- 6 RE-INSTALL EXHAUST FAN. RECONNECT ELECTRICAL. MODIFY ELECTRICAL AS REQUIRED. EXISTING EXHAUST FAN SHALL BE PUT BACK INTO SERVICE FULLY OPERATIONAL INCLUDING UNIT CONTROLS. VERIFY AND RELOCATE AS NECESSARY ANY EXHAUST FAN LOCATED WITHIN 10' OF ANY BUILDING INTAKE OR OUTSIDE AIR INTAKE AT NO ADDITIONAL COST TO THE OWNER.
- 7 EXISTING DUCT TO REMAIN IN PLACE - FLASH AND COUNTERFLASH.
- 8 PROVIDE NEW PIPE SUPPORTS FOR EXISTING HYDRONIC PIPING.
- 9 ALL REMAINING VENTS, CURBS, ETC. ON ROOF TO BE RE-FLASHED AND COUNTER FLASHED INTO NEW ROOF.
- 10 INSTALL NEW CONDUIT JUNCTION BOXES AND SUPPORTS FOR EXISTING ELECTRICAL WIRING.
- 11 LIGHTNING PROTECTION SYSTEM TO BE INSTALLED BY NICET CERTIFIED COMPANY AND TECHNICIAN. CONTRACTOR TO PROVIDE DOCUMENT OF NICET CERTIFIED LIGHTNING PROTECTION SYSTEM FOR ROOF WITH CLOSE OUT DOCUMENTS.



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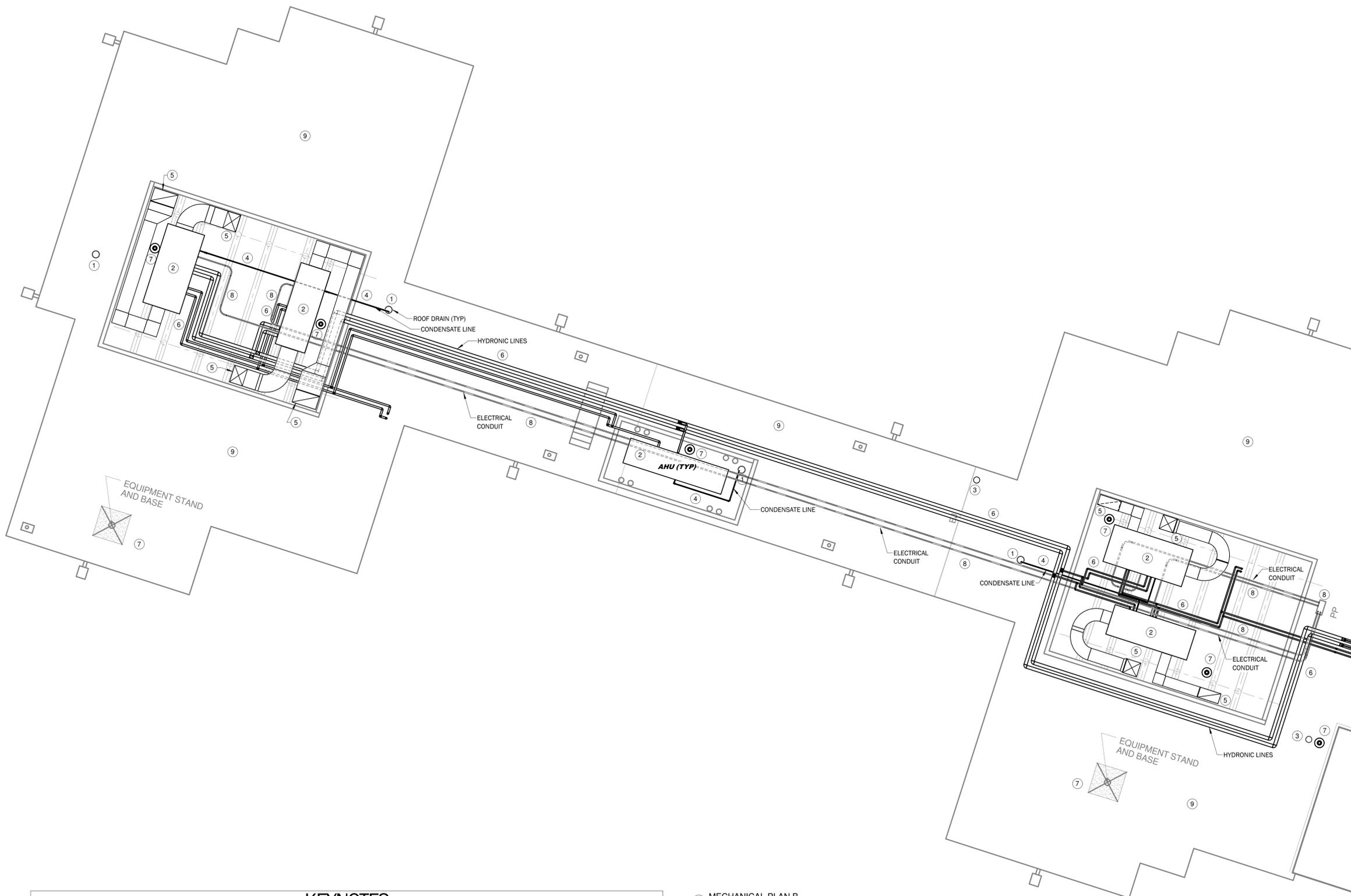
MECHANICAL PLAN WEST CONCOURSE ROOF

Sheet Number 3 of 8

M101A



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KEYNOTES

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- 2 RE-INSTALL EXISTING AHU ON EXISTING ROOF CURB WITH NEW CURB EXTENSION. NEW CURB EXTENSION SHALL BE SUFFICIENT HEIGHT TO ALLOW FOR PROPER CONDENSATE TRAP DEPTH AS RECOMMENDED BY AHU MANUFACTURER. RECONNECT EXISTING HYDRONIC LINES. MODIFY HYDRONIC LINES AS REQUIRED. RECONNECT ELECTRICAL. MODIFY ELECTRICAL AS REQUIRED. RECONNECT EXISTING SUPPLY AND RETURN DUCT. MODIFY AS REQUIRED. EXISTING AHU SHALL BE PUT BACK IN SERVICE FULLY OPERATIONAL INCLUDING UNIT CONTROLS.
- 3 EXTEND PLUMBING VENT THRU NEW ROOF TO A MINIMUM OF 16" ABOVE ROOF DECK. VENT LINE SHALL BE CUT BELOW ROOF DECK. PROVIDE AND INSTALL NEW EXTENSIONS AND CONNECT WITH FLEXIBLE RUBBER COUPLINGS. NEW VENT EXTENSIONS TO MATCH EXISTING PIPING MATERIAL AND SIZE. CONTRACTOR SHALL VERIFY VENT LINE IS LOCATED 10' OR MORE FROM ANY BUILDING INTAKE OR OUTSIDE AIR INTAKE. ANY VENT LINE LOCATED WITHIN 10' OF ANY BUILDING INTAKE OR OUTSIDE AIR INTAKE SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.
- 4 NEW CONDENSATE PIPING. NEW CONDENSATE PIPING SHALL BE SUPPORTED FROM THE ROOF WITH MIFAB C510 (OR EQUAL) ROOF PIPE SUPPORTS. CONDENSATE PIPING FROM EACH RTU/AHU TO BE ROUTED TO THE NEAREST ROOF DRAIN AS INDICATED.
- 5 EXISTING DUCT TO REMAIN IN PLACE - FLASH AND COUNTERFLASH.
- 6 PROVIDE NEW PIPE SUPPORTS FOR EXISTING HYDRONIC PIPING.
- 7 ALL REMAINING VENTS, CURBS, ETC. ON ROOF TO BE RE-FLASHED AND COUNTER FLASHED INTO NEW ROOF.
- 8 INSTALL NEW JUNCTION BOXES, CONDUIT, AND SUPPORTS FOR EXISTING ELECTRICAL WIRING.
- 9 LIGHTNING PROTECTION SYSTEM TO BE INSTALLED BY NICET CERTIFIED COMPANY AND TECHNICIAN. CONTRACTOR TO PROVIDE DOCUMENT OF NICET CERTIFIED LIGHTING PROTECTION SYSTEM FOR ROOF WITH CLOSE OUT DOCUMENTS.

1 MECHANICAL PLAN B
1/8" = 1'-0"



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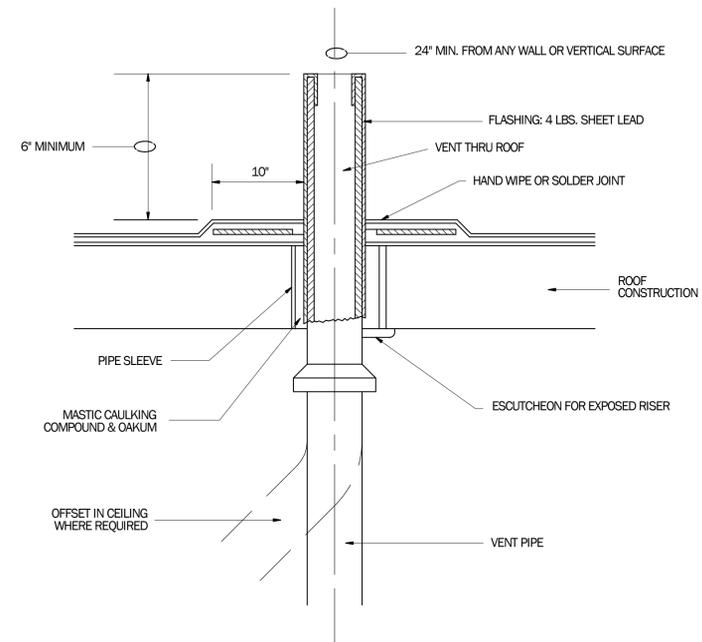
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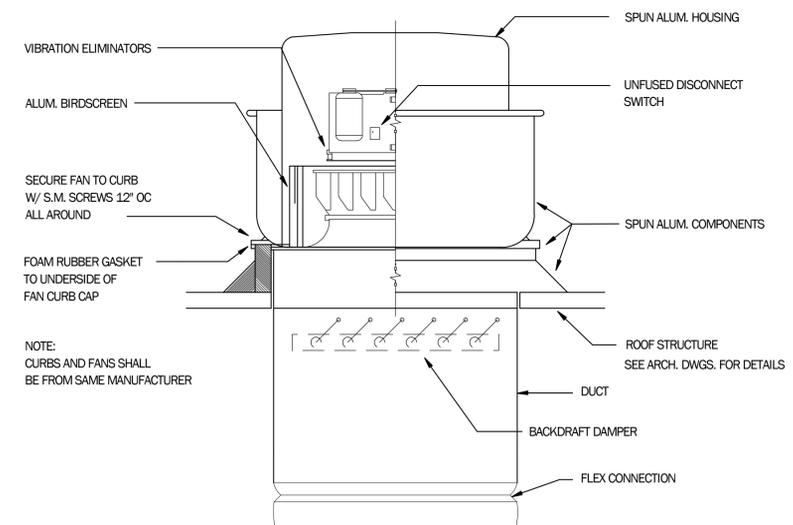
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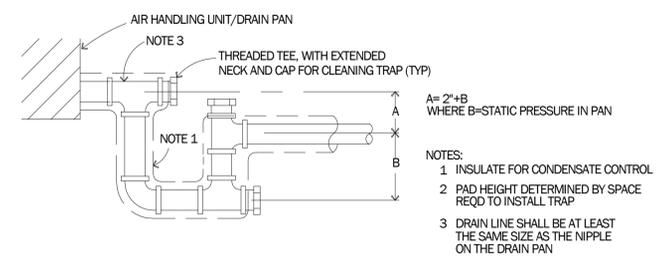
M101B



3 VENT THRU ROOF DETAIL
M400 NOT TO SCALE



2 ROOF MOUNTED CENTRIFUGAL EXHAUST FAN DETAIL
M400 NOT TO SCALE



1 CONDENSATE DRAIN TRAP DETAIL
M400 NOT TO SCALE



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MECHANICAL DETAILS

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