

# Replace Roof System & Selective Ceiling Demolition

## MSHP Flight Operations Hangar

### Jefferson City, Missouri

OWNER:

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

DEPARTMENT OF  
PUBLIC SAFETY  
MISSOURI STATE HIGHWAY PATROL

PROJECT  
MANAGEMENT:

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES MANAGEMENT,  
DESIGN AND CONSTRUCTION



DESIGNER:

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PROJECT NUMBER:

R2407-01

SITE NUMBER:  
ASSET NUMBER:

6011  
8136011001

SHEET NUMBER:

**G-001**

SHEET 1 OF 9  
SEPTEMBER 10, 2024



MISSOURI STATE  
CERTIFICATE OF AUTHORITY  
#000143  
631 West Main Street  
Jefferson City, Missouri 65101  
(573)636-5000

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

DEPARTMENT OF  
PUBLIC SAFETY

Missouri State Highway Patrol

REPLACE ROOF SYSTEM  
AND SELECTIVE CEILING  
DEMOLITION, MSHF  
FLIGHT OPERATIONS  
HANGAR

511 AIRPORT RD.  
JEFFERSON CITY, MISSOURI

PROJECT # R2407-01  
SITE # 6011

ASSET # 8136011001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/10/2024

CAD DWG FILE: G-002.DWG  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: LB  
DESIGNED BY: CLG

SHEET TITLE:  
GENERAL  
INFORMATION

SHEET NUMBER:

G-002

SHEET 2 OF 9  
09/10/2024

DRAWING INDEX

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APPLICABLE CODES

2021 INTERNATIONAL BUILDING CODE & IEBC  
2021 INTERNATIONAL MECHANICAL CODE  
2023 NATIONAL ELECTRICAL CODE  
2021 INTERNATIONAL ENERGY  
CONSERVATION CODE

CONSTRUCTION NOTES

SHOULD A BIDDER OR CONTRACTOR FIND ANY AMBIGUITY, INCONSISTENCY, QUESTION, CONCERN OR ERROR IN THE DRAWINGS OR PROJECT MANUAL, OR SHOULD HE BE IN DOUBT AS TO THEIR MEANING, HE SHALL AT ONCE NOTIFY THE ARCHITECT, IN WRITING, WHO WILL ISSUE A WRITTEN INTERPRETATION.

IF CONTRACTOR OBSERVES ANY ERRORS, DISCREPANCIES, OMISSIONS, AMBIGUITIES OR INCONSISTENCIES IN THE CONTRACT DOCUMENTS, HE SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING AS AN RFI. IF CONTRACTOR PROCEEDS WITH WORK AFFECTED BY SUCH ERRORS, DISCREPANCIES, AMBIGUITIES, OMISSIONS OR INCONSISTENCIES WITHOUT RECEIVING WRITTEN CLARIFICATION, HE DOES SO SOLELY AT HIS OWN RISK. ANY ADJUSTMENTS INVOLVING SUCH CIRCUMSTANCES MADE BY THE CONTRACTOR, PRIOR TO RESOLUTION BY ARCHITECT, SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.

IN GENERAL, THE DRAWINGS INDICATE DIMENSIONS, POSITIONS AND DETAILS OF CONSTRUCTION; THE SPECIFICATIONS DESCRIBE QUALITIES OF MATERIAL AND METHODS OF WORKMANSHIP. ALL WORK DESCRIBED IN THE SPECIFICATIONS SHOWN ON THE DRAWINGS AND ALL WORK DEPENDENT UPON OR NECESSARY, SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL BE OF MATERIALS BEST ADAPTED TO THE PURPOSE WHERE SUCH WORK OR MATERIALS ARE NOT SPECIFICALLY MENTIONED.

DO NOT SCALE DRAWINGS.

SHOULD CONFLICTS ARISE IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED ON THE MORE EXPENSIVE UNLESS HE HAS REQUESTED AND OBTAINED A WRITTEN DECISION FROM THE ARCHITECT BEFORE SUBMISSION OF THEIR BID AS TO WHICH METHODS AND/OR MATERIALS WILL BE REQUIRED.

ALL WORK AND MATERIALS SHALL BE OF THE BEST RESPECTIVE KINDS SPECIFIED AND INDICATED. SHOULD ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE NOT DIRECTLY OR INDIRECTLY CALLED FOR IN THE SPECIFICATIONS AND/OR THE DRAWINGS, BUT WHICH ARE NECESSARY FOR PROPER FULFILLMENT OF THE INTENT THEREOF, SAID WORKMANSHIP AND/OR MATERIALS SHALL BE THE SAME, AS SIMILAR PARTS THAT ARE DETAILED, INDICATED OR SPECIFIED, AND THE CONTRACTOR SHALL UNDERSTAND THE SAME TO BE IMPLIED AND PROVIDE IT AS FULLY AS IF IT WERE PARTICULARLY DESCRIBED OR DELINEATED.

THE USE OF DRAWINGS AND SPECIFICATIONS AND ANY PART THEREOF IS EXPRESSLY LIMITED TO THE ORIGINAL PROJECT FOR WHICH THEY WERE INTENDED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO DRAWINGS AND SPECIFICATIONS REMAIN WITH THE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE DRAWINGS AND SPECIFICATIONS, IN WHOLE OR IN PART, SHALL CONSTITUTE PRIMA FACIE EVIDENCE OR ACCEPTANCE OR THESE RESTRICTIONS.

CONTRACTOR SHALL COMPLY WITH, AND REQUIRE ALL SUBCONTRACTORS TO COMPLY WITH FEDERAL, STATE AND LOCAL CONTRACTOR'S LICENSE LAWS.

SHOP DRAWINGS SHALL NOT BE USED AS A MEANS OF REQUESTING SUBSTITUTION OF PRODUCTS OR MATERIALS, OR AS A MEANS OF REQUESTING CHANGE IN CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL, BEFORE COMMENCING WORK, LINES, LEVELS AND DIMENSIONS AND REPORT ANY ERRORS OR INCONSISTENCIES IN WRITING TO THE ARCHITECT. THE CONTRACTOR SHALL NOT PROCEED UNTIL SUCH ERRORS OR INCONSISTENCIES ARE RESOLVED. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN ALL BUILDING(S) AND CONSTRUCTION GRADE LINES, LEVELS AND BENCH MARKS AND SHALL BE RESPONSIBLE FOR ACCURACY AND PROTECTION OF SAME.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL AND ALL DAMAGE CAUSED BY HIM OR ANY SUBCONTRACTOR OR SUPPLIER CAUSED TO THE OWNER'S PREMISES.

ALL REPLACING, PATCHING, AND REPAIRING OF ALL MATERIALS AND SURFACES CUT OR DAMAGE IN THE EXECUTION OF THE WORK SHALL BE PERFORMED BY EXPERIENCED TRADES PEOPLE. SUCH REPAIRING, REPLACING AND/OR PATCHING SHALL BE DONE WITH ACCEPTABLE MATERIALS, IN SUCH A MANNER THAT ALL SURFACES SO REPAIRED OR REPLACED, WILL UPON COMPLETION OF THE WORK, MATCH THE SURROUNDING SIMILAR SURFACES.

THE DRAWINGS REPRESENT THE BUILDING. THEY DO NOT REPRESENT THE MEANS, METHODS, PROCEDURES, TECHNIQUES OR SEQUENCES OF CONSTRUCTION.

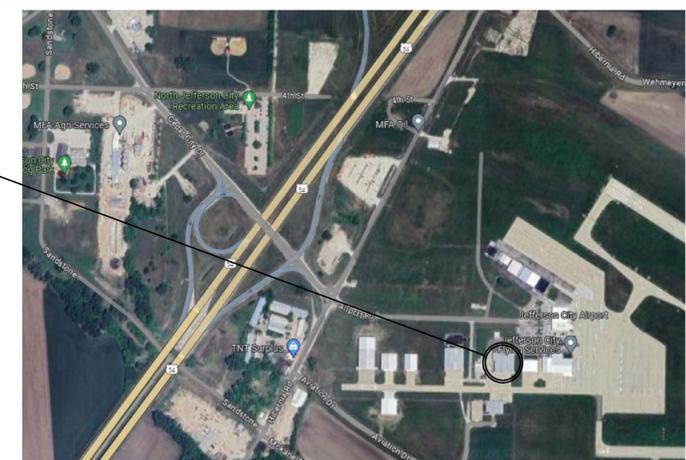
SITE LOCATION

MSHF  
FLIGHT OPERATIONS HANGAR  
511 AIRPORT RD.  
JEFFERSON CITY, MISSOURI

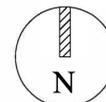
PRE-BID PARKING AREA



AERIAL VIEW: AIRPORT CAMPUS MAP  
JEFFERSON CITY, MISSOURI



AERIAL VIEW: VICINITY SITE MAP  
JEFFERSON CITY, MISSOURI



MATERIAL AND SYMBOLS LEGEND

- GENERAL NOTE
- MATERIAL NOTE
- DOOR IDENTIFICATION TAG
- WINDOW IDENTIFICATION TAG
- INTERIOR WALL PARTITION TYPE
- CASEWORK ELEVATION
- DETAIL KEY
- BRICK VENEER
- CONCRETE MASONRY UNIT
- CONCRETE
- BATT INSULATION
- RIGID INSULATION
- EARTH / SUBGRADE
- GRANULAR FILL
- WOOD BLOCKING

ARCHITECTURAL ABBREVIATIONS

- AFF - ABOVE FINISH FLOOR
- AD - AREA DRAIN
- AL - ALUM - ALUMINUM
- ALT - ALTERNATE
- AP - ACCESS PANEL
- ACT - ACUSTICAL CEILING TILE
- ARCH - ARCHITECTURAL
- BFP - BACKFLOW PREVENTER
- BLDG - BUILDING
- BRG - BEARING
- CJ - CONTROL JOINT
- CL - CENTER LINE
- CLG - CEILING
- CMU - CONCRETE MASONRY UNIT
- CO - CLEAN OUT
- CONC - CONCRETE
- CONTR - CONTRACTOR
- CPT - CARPET
- D, DEG - DEGREES
- DH - DOUBLE HUNG
- DIA - DIAMETER
- DIV - DIVISION
- DN - DOWN
- DS - DOWN SPOUT
- DWG - DRAWING
- EF - EACH FACE
- EJ - EXPANSION JOINT
- EL - ELEVATION
- ELEC - ELECTRICAL
- ENG - ENGINEER
- EQ - EQUAL
- EWC - ELECTRIC WATER COOLER
- EXT - EXTERIOR
- FD - FLOOR DRAIN
- FE - FIRE EXTINGUISHER
- FND - FOUNDATION DRAIN
- FP - FIRE PROTECTION
- FT - FIRE TREATED
- GA - GAUGE
- GALV - GALVANIZED
- GC - GENERAL CONTRACTOR
- GD - GARBAGE DISPOSAL
- GLAZ - GLAZING
- GWB - GYPSUM WALL BOARD
- GYP - GYPSUM
- HM - HOLLOW METAL
- HDWR - HARDWARE
- HGT - HEIGHT
- HORZ - HORIZONTAL
- HR - HOUR
- HVAC - HEATING, VENTING, AIR CONDITION
- I.D. - INSIDE DIAMETER
- INT - INTERIOR
- LAV - LAVATORY
- LB - LOAD BEARING
- LF - LINEAR FOOT / FEET
- LVL - LAMINATED VENEER LUMBER
- LVR - LOUVER
- LWC - LIGHTWEIGHT CONCRETE
- MAX - MAXIMUM
- MECH - MECHANICAL
- MIN - MINIMUM
- MFG - MANUFACTURER
- MISC - MISCELLANEOUS
- MR - MOISTURE RESISTANT
- MTL - METAL
- NIC - NOT IN CONTRACT
- NLB - NON-LOAD BEARING
- NR - NOT RATED
- NTS - NOT TO SCALE
- OF - OUTSIDE FACE
- OC - ON CENTER
- OFD - OVERFLOW DRAIN
- OD - OUTSIDE DIAMETER
- OPP - OPPOSITE
- PB - PEG BOARD
- PERF - PERFORATED
- PH - PHASE
- PLY - PLYWOOD
- PLUMB - PLUMBING
- PROJ - PROJECT
- PVC - POLYVINYL CHLORIDE
- R - (STAIR) RISER
- RAD - RADIUS
- RCP - REFLECTED CEILING PLAN
- RD - ROOF DRAIN
- RE - REFERENCE
- REINF - REINFORCING
- REQ - REQUIRED
- REV - REVERSE
- RH - ROOM
- RTU - ROOF TOP UNIT
- SCH - SCHEDULE
- SECT - SECTION
- SH - SINGLE HUNG
- SIM - SIMILAR
- SPEC - SPECIFICATION
- SS - STAINLESS STEEL
- STD - STANDARD
- STRUC - STRUCTURAL
- VCT - VINYL COMPOSITION TILE
- VERT - VERTICAL
- VIF - VERIFY IN FIELD
- WD - WOOD
- WH - WATER HEATER

GENERAL INFORMATION:

**CODE DRAWING LEGEND**

ROOM TAG  
 ROOM NAME  
 ROOM NUMBER  
 ROOM NET AREA (OCCUPANT)

**TRAVEL DISTANCE**

MAX. TRAVEL DISTANCE = \_\_\_\_\_  
 MAX. ALLOWED = \_\_\_\_\_

**NOTE:**  
OCCUPANT TRAVEL PATHS ARE ASSUMED. ACTUAL PATHS WILL VARY BASED ON EMERGENCY CONDITIONS.

**EXIT WIDTH CALCULATION**

OCCUPANT LOAD = X/2 = \_\_\_\_\_  
 DOOR OPENING REQUIRED = .15x = \_\_\_\_\_  
 MINIMUM DOOR WIDTH PROPOSED = \_\_\_\_\_

**COMPONENT DATA**

**OCCUPANT LOAD LEGEND**

OCC	ENCLOSED AREA	OCC LOAD
	OCC LOAD FACTOR	
	EXITS REQUIRED	EXITS PROVIDED

AREAS ARE ENCLOSED INTERIOR SPACE

**FIRE RATED WALLS**

\_\_\_\_\_ - ONE HOUR RATED CONSTRUCTION  
 \_\_\_\_\_ - TWO HOUR RATED CONSTRUCTION

**FIRE EXTINGUISHERS**

FE-1: 2-A-20-B-C FIRE EXTINGUISHER IN SEMI-RECESSED CABINET  
 FE-2: 4-A-60-B-C WALL MOUNTED PORTABLE FIRE EXTINGUISHER

SITE:6011

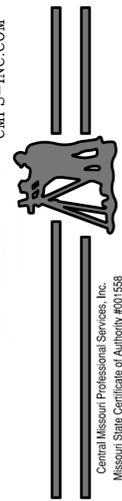


STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



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OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
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REPLACE ROOF SYSTEM  
AND SELECTIVE CEILING  
DEMOLITION, MSHP  
FLIGHT OPERATIONS  
HANGAR

511 AIRPORT RD.  
JEFFERSON CITY, MISSOURI

PROJECT # R2407-01  
SITE # 6011

ASSET # 8136011001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09-10-2024

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: BKM BKM  
CHECKED BY: BKM  
DESIGNED BY: BKM

SHEET TITLE:

FAA 7460  
POINT  
DRAWING

SHEET NUMBER:

C-001

9--10-2024

Pt. #	Ground Elev.	Description	Latitude	Longitude	AGL
30	547.00'	BUCO	38°35'33.9313"	-092°09'59.1462"	34'-0"
31	547.00'	BUCO	38°35'33.9121"	-092°09'57.3875"	34'-0"
32	547.00'	BUCO	38°35'32.5991"	-092°09'57.3755"	34'-0"
33	547.00'	Ridge	38°35'32.6108"	-092°09'58.1826"	38'-2"
34	547.00'	Ridge	38°35'33.9096"	-092°09'58.1585"	38'-2"
35	547.00'	BUCO	38°35'32.6278"	-092°09'59.1523"	34'-0"
36	547.00'	WORK-AREA	38°35'34.8041"	-092°09'57.1606"	60'-0"
37	547.00'	WORK-AREA	38°35'34.8829"	-092°09'59.9490"	60'-0"
38	547.00'	WORK-AREA	38°35'32.0920"	-092°10'00.0763"	60'-0"
39	547.00'	WORK-AREA	38°35'32.0600"	-092°09'57.1371"	60'-0"



MISSOURI STATE  
CERTIFICATE OF AUTHORITY  
#000143  
631 West Main Street  
Jefferson City, Missouri 65101  
(573)636-5000

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REPLACE ROOF SYSTEM  
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DEMOLITION, MSHP  
FLIGHT OPERATIONS  
HANGAR

511 AIRPORT RD.  
JEFFERSON CITY, MISSOURI

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DATE: \_\_\_\_\_

ISSUE DATE: 09/10/2024

CAD DWG FILE: A-001.DWG  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: LB  
DESIGNED BY: CLG

SHEET TITLE:  
**STAGING PLAN**

SHEET NUMBER:

**A-001**

SHEET 4 OF 9  
09/10/2024

**GENERAL PROJECT NOTES**

1. CONTRACTOR TO COORDINATE DAILY ACTIVITIES WITH AIRPORT OFFICIALS AND MSHP ON SITE MANAGEMENT TO ENSURE AIRPORT ACTIVITIES ARE NOT DISRUPTED OR ARE PROPERLY COORDINATED WITH ANY SPECIAL CONSTRUCTION ACTIVITIES OR NEEDS
2. CONTRACTOR TO PROTECT EXISTING HEATING/ HVAC EQUIPMENT FROM CONTAMINANTS AND DEBRIS DURING CONSTRUCTION PHASE ACTIVITIES. COORDINATE ANY TEMPORARY DISCONNECTS OF EQUIPMENT REMOVALS WITH OWNER PRIOR TO COMMENCEMENT OF WORK.

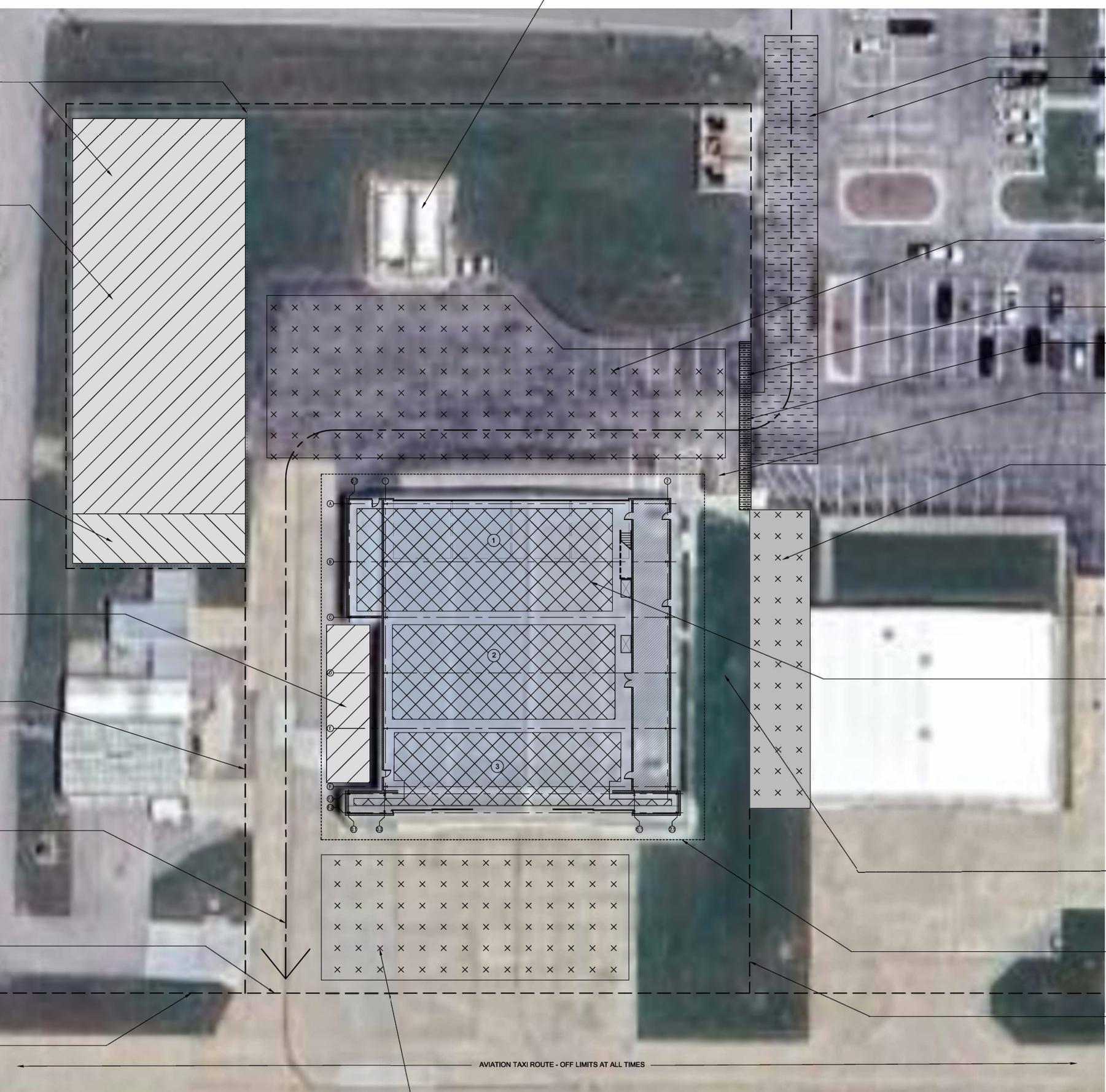
- GENERAL MATERIAL STAGING AREA. PROJECT FENCING SHALL BE PROVIDED TO SECURE THIS AREA AND AS MUTUALLY AGREED BY OWNER AND AIRPORT MANAGEMENT. RE: 013513.25 SPECIFICATIONS
- CONTRACTOR SHALL REPAIR ALL RUTS, DAMAGE, AND SEED/ MULCH AS REQUIRED AT ANY AND ALL NON-PAVED OR GRASS AREAS. TYP.
- PROPOSED DUMPSTER LOCATION
- POSSIBLE DUMPSTER LOCATION OR CRANE/ CONSTRUCTION VEHICLE STORAGE/ STAGING AREA
- STAY OFF OF ADJACENT PROPERTIES
- TRAFFIC ROUTE TO REMAIN OPEN/ UNBLOCKED THROUGHOUT CONSTRUCTION
- DO NOT GO BEYOND THIS LINE
- REQUIRED CLEARANCE IS IDENTIFIED BY REFLECTIVE BLUE STAKE MARKERS. REMAIN CLEAR OF THESE MARKERS.

- DO NOT BLOCK ACCESS DRIVE
- PUBLIC PARKING AREA
- AIRPORT DELIVERY AREA SHALL REMAIN FREE OF STORED MATERIAL AND EQUIPMENT. DAILY FUEL DELIVERY AND ANY OTHER SUPPLY VEHICLES SHALL NOT BE HINDERED.
- SECURE GATE ACCESS TO BE COORDINATED WITH AIRPORT AND MSHP
- CONTRACTORS ENTRY POINT THRU GATE ACCESS
- REPAIR/ REPLACE ANY PAVING OR CONCRETE AS REQUIRED DUE TO DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES OR VEHICLES/ EQUIPMENT. TYP.
- IN GROUND FUEL TANKS AVOID ANY WORK OR EQUIPMENT OVER THIS AREA. NO EXCEPTIONS.
- INTERIOR WORK SHALL BE COORDINATED WITH MSHP MANAGEMENT AS AREAS AVAILABLE FOR CONSTRUCTION AND EQUIPMENT WILL BE LIMITED DUE TO MAINTAINING DAILY OPERATIONS OF THE FACILITY. SECTIONS OF THE INTERIOR HANGAR AND SUPPORT SPACE WILL BE MADE AVAILABLE IN (3) PHASES OR TWO - STRUCTURAL - BAYS AT A TIME, OR AS MUTUALLY AGREED WITH MSHP MANAGEMENT. PROTECT ANY OWNER EQUIPMENT AND VEHICLES DURING CONSTRUCTION AND DEMOLITION ACTIVITIES FROM DIRT, DEBRIS, OR OVER SPRAY VIA PLASTIC SHEETING/ PLASTIC COVERINGS. TYP.
- CONTRACTOR SHALL REPAIR ALL RUTS, DAMAGE, AND SEED/ MULCH AS REQUIRED AT ANY AND ALL NON-PAVED OR GRASS AREAS. TYP.
- CLOSE PROXIMITY TO BUILDING SHALL BE USED FOR TEMPORARY CONSTRUCTION VEHICLES SUCH AS LIFTS, LULLS, AND SCAFFOLDING.
- STAY OFF OF ADJACENT PROPERTIES

FUEL TANKS TO REMAIN IN OPERATION. DO NOT BLOCK ACCESS. AVOID MANEUVERING VEHICLES/ EQUIPMENT NEAR JET FUEL TANKS

KEEP ACCESS TO HANGAR CLEAR AT ALL TIMES OR AS MUTUALLY AGREED/ COORDINATED WITH AIRPORT AND MSHP

AVIATION TAXI ROUTE - OFF LIMITS AT ALL TIMES



**SITE STAGING PLAN**  
NTS HANGER



MISSOURI STATE  
CERTIFICATE OF AUTHORITY  
#000143  
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Jefferson City, Missouri 65101  
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PROJECT # R2407-01  
SITE # 6011

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DATE: \_\_\_\_\_  
ISSUE DATE: 09/10/2024

CAD DWG FILE: AD-101.DWG  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: LB  
DESIGNED BY: CLG

SHEET TITLE:  
DEMOLITION  
PLANS

SHEET NUMBER:

AD-101

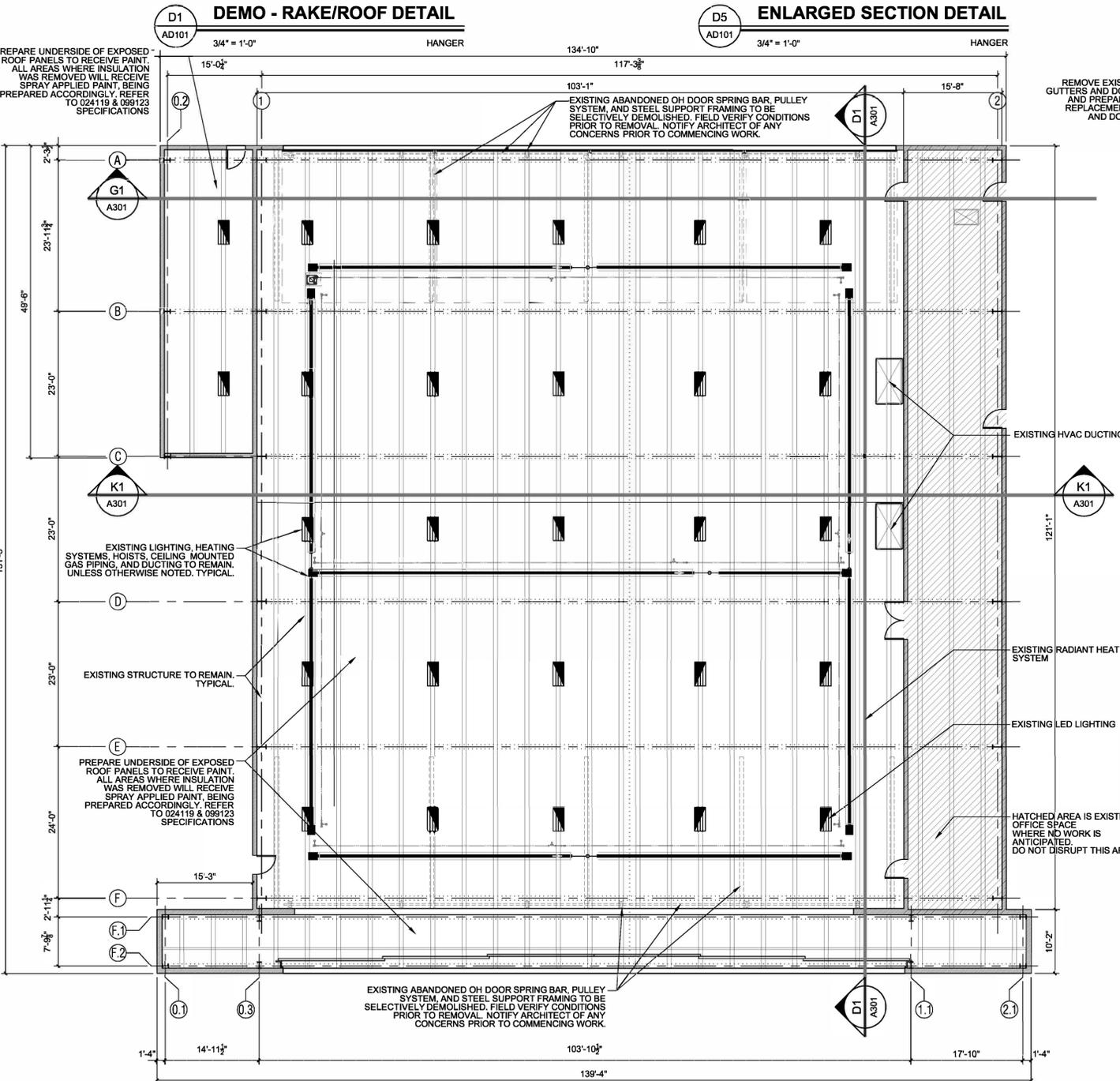
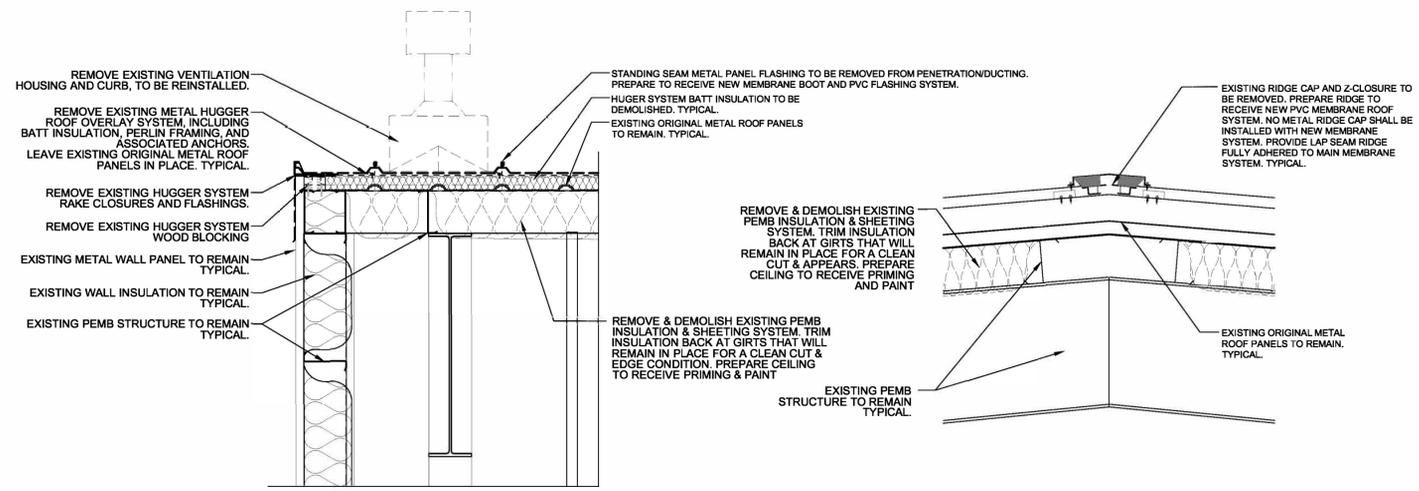
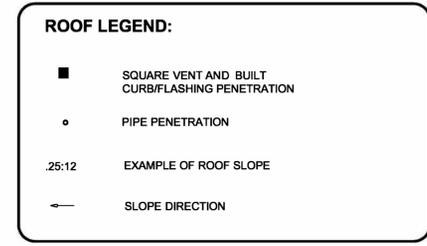
SHEET 5 OF 9  
09/10/2024

GENERAL NOTE:  
1. REMOVE ALL POWERED MECHANICAL VENTILATION UNITS FROM ROOF CURBS AND PREPARE TO RECEIVE NEW MEMBRANE/FLASHING. REMOVE EXISTING VENT STACK/PIPE SHROUD/SEALANT/MEMBRANE AS REQUIRED TO PREPARE FOR NEW COVER BOARD, MEMBRANE AND NEW VENT STACK BOOT TO BE FULLY SEALED.  
2. ALL POWERED MECHANICAL ROOF VENTS SHALL BE DISCONNECTED AND THEN REINSTALLED AS REQUIRED (AT ALL LOCATIONS DEEMED TO BE TEMPORARILY REMOVED BY THE CONTRACTOR) BY AN A LICENSED ELECTRICAL CONTRACTOR. TYPICAL.  
3. ALL PERIMETER METAL CLOSURES AND FLASHING TO BE REMOVED AND REPLACED WITH NEW PRE-FINISHED METAL. RE: SPECIFICATIONS FOR ADDITIONAL INFORMATION.  
4. REMOVE SCUPPER FLASHING AND MEMBRANE AS REQUIRED DURING DEMOLITION TO RECEIVE NEW BASE AND WALL MEMBRANE FLASHINGS, REPLACING THRU-WALL FLASHING, DRIP EDGE AND MEMBRANE LAP SEAMS AT LOCATIONS SHOWN ON PLANS. PROVIDE TAPERED WEDGES IN FRONT OF SCUPPER DRAIN FIELD AT TRANSITION TO AVOID LOW PONDING AREAS.  
5. CLEAN EXISTING SUBSTRATE ROOFING OF DIRT AND DEBRIS TO PREPARE TO RECEIVE NEW 60MIL PVC MEMBRANE, FULLY ADHERED PER MANUFACTURERS REQUIRED/RECOMMENDED INSTALLATION OVER A FULLY ADHERED 1/2" COVERBOARD.  
6. REFER TO DEMOLITION 024119 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS TO BE PROVIDED AND COORDINATED.

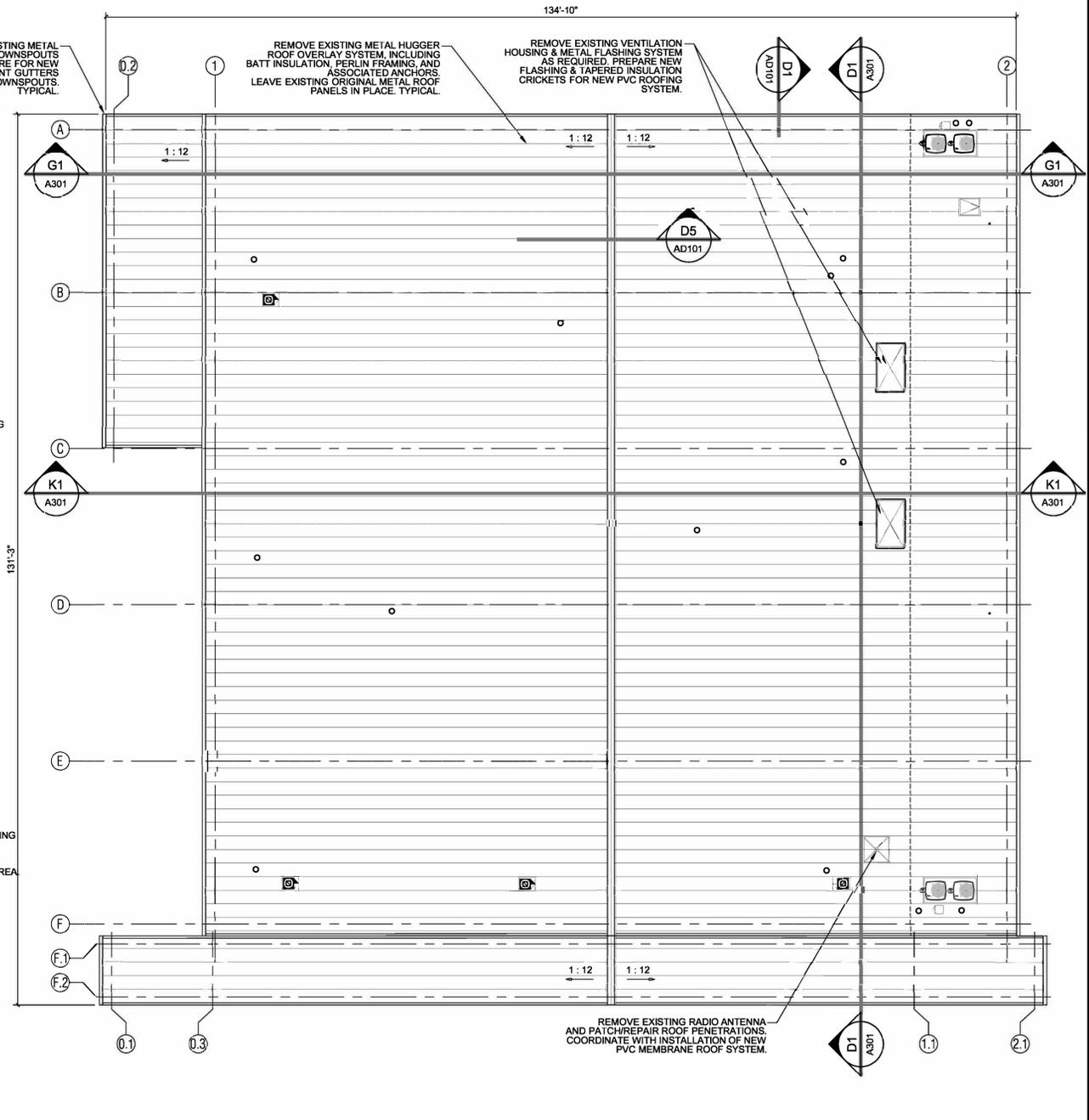
NOTE:  
SHEETS AD101-A100'S ARE OVERALL PLANS TO USE AS REFERENCE ONLY AND SHALL REFER TO THE DETAILS DESIGNATED ON EACH SHEET FOR ENLARGED SECTION AND DETAILS LOCATIONS FOR ADDITIONAL INFORMATION. GC SHALL COORDINATE ALL TRADES AS IDENTIFIED IN THIS SET OF CONSTRUCTION DOCUMENTS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. NO SUBSTITUTIONS ARE ALLOWED UNLESS APPROVED IN WRITING BY ARCHITECT.

PRE-CONSTRUCTION AND PRE-INSTALLATION NOTE:  
GC SHALL COORDINATE PRE-CONSTRUCTION OR PRE-INSTALLATION MEETINGS FOR ALL WORK INVOLVING MULTI TRADES OR EQUIPMENT VENDERS.

FACILITY: STATE OF MISSOURI, MISSOURI STATE HIGHWAY PATROL  
FLIGHT OPERATIONS HANGAR  
TOTAL SQUARE FEET: 16,680 SQ. FT. (ALL PITCHED ROOFS)  
(AREAS AND DIMENSIONS SHOULD BE VERIFIED FOR ACCURACY - PROVIDED FOR CONVENIENCE ONLY. THESE NUMBERS WILL NOT BE USED AS A BASIS FOR A CONTRACT CHANGE)



**DEMOS - REFLECTED CEILING PLAN**  
K1  
AD101  
3/32" = 1'-0"  
HANGER



**DEMOLITION ROOF PLAN**  
K2  
AD101  
3/32" = 1'-0"  
HANGER



NOTE: SHEETS AD101-A100S ARE OVERALL PLANS TO USE AS REFERENCE ONLY AND SHALL REFER TO THE DETAILS DESIGNATED ON EACH SHEET FOR ENLARGED SECTION AND DETAILS LOCATIONS FOR ADDITIONAL INFORMATION. GC SHALL COORDINATE ALL TRADES AS IDENTIFIED IN THIS SET OF CONSTRUCTION DOCUMENTS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. NO SUBSTITUTIONS ARE ALLOWED UNLESS APPROVED IN WRITING BY ARCHITECT IN ACCORDANCE WITH GENERAL CONDITIONS.  
PRE-CONSTRUCTION AND PRE-INSTALLATION NOTE: GC SHALL COORDINATE PRE-CONSTRUCTION OR PRE-INSTALLATION MEETINGS FOR ALL WORK INVOLVING MULTI TRADES OR EQUIPMENT VENDERS.

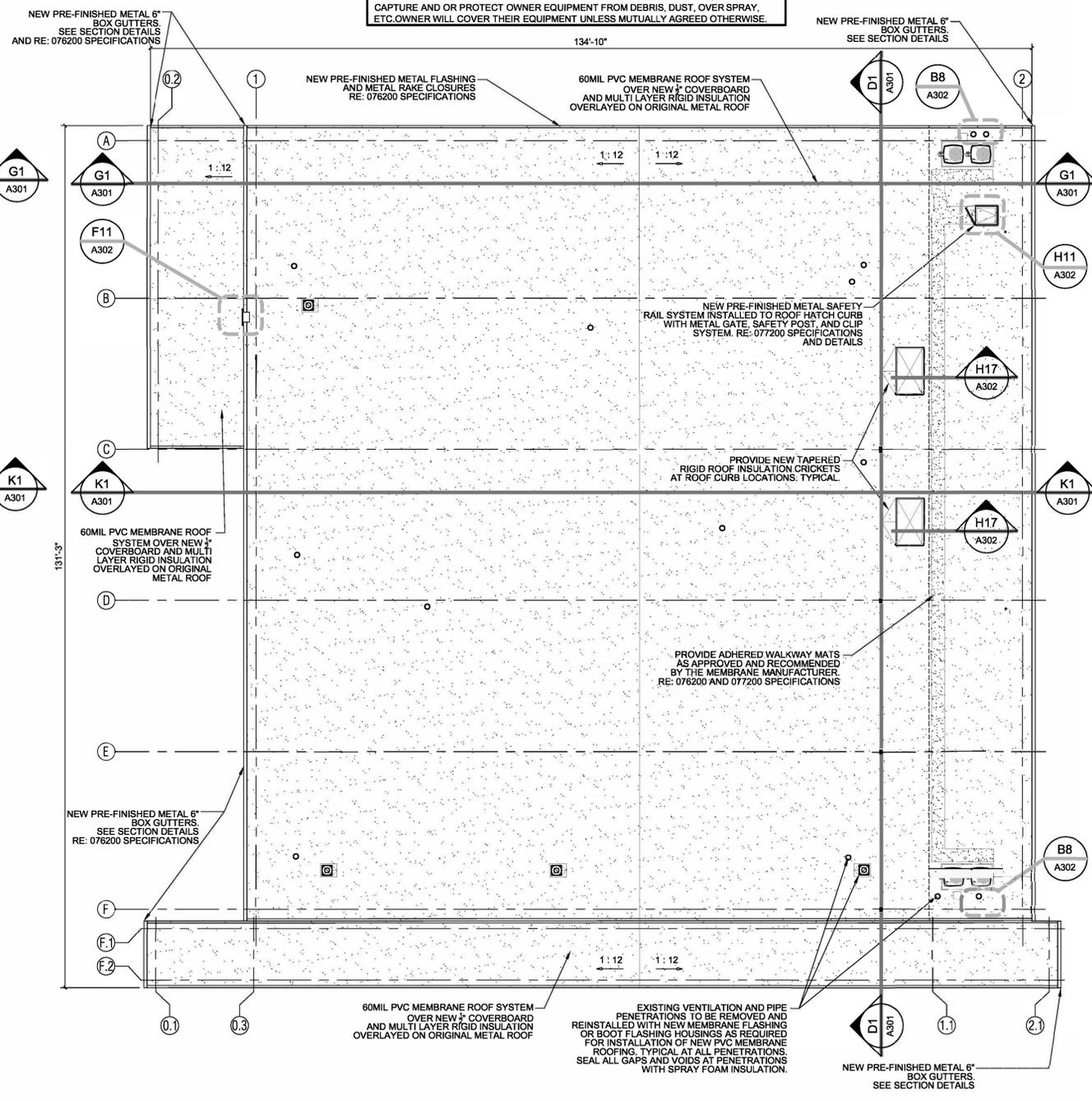
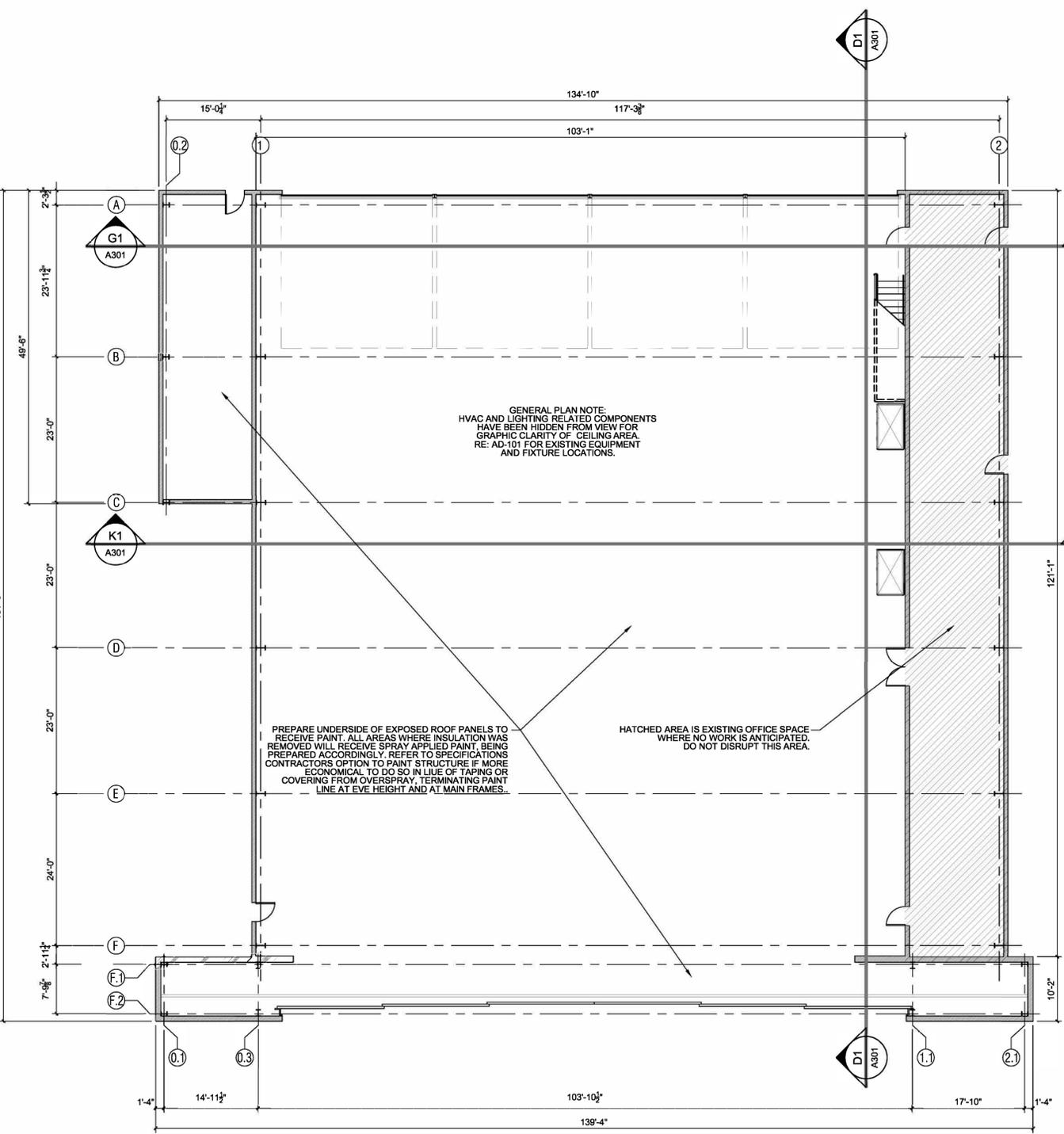
GENERAL PROJECT NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE ARCHITECT ANY CONDITIONS OR DISCREPANCY BETWEEN DRAWINGS AND FIELD CONDITIONS REQUIRING MODIFICATIONS BEFORE PROCEEDING WITH THE WORK.
2. IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, THE BETTER QUALITY OR GREATER QUANTITY / QUALITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE DOCUMENTS.
3. CORING / CUTTING OF FLOOR, ROOF, OR WALL CONSTRUCTION SHALL BE DONE IN A MANNER THAT DOES NOT AFFECT THE INTEGRITY OF THE STRUCTURAL OR METAL BUILDING SYSTEM.
4. THE LOCATION OF MECHANICAL, ELECTRICAL, PLUMBING AND TELECOMMUNICATION SYSTEMS SHALL BE COORDINATED BY VARIOUS TRADES INVOLVED WITH THEIR TEMPORARY DISCONNECT AND RE-INSTALLATION SUCH THAT THE VISIBLE LAYOUT OF ANY EXPOSED ASPECT OF THAT EQUIPMENT IS INSTALLED IN A FASHION THAT IS CONSISTENT AND WHERE OTHERWISE CONCEALED IN CONDUIT, CASING OR MOLDING, MEETING ALL STATE, FEDERAL AND LOCAL CODES.
5. DO NOT SCALE DRAWINGS.
6. INTERIOR HANGER WORK SHALL BE COORDINATED TO BE PERFORMED IN SECTIONED OFF AREAS THAT WILL BE LIMITED IN EXTENTS SO THAT THE MSHP HANGER CAN REMAIN IN DAILY OPERATION DURING AND THROUGHOUT CONSTRUCTION PHASE ACTIVITIES. INTERIOR WORK WILL LIKELY BE DONE IN HALF OR 1/3 SECTIONS OF THE HANGER SPACE AT A TIME SO THAT AIRCRAFT AND EQUIPMENT CAN STILL BE STORED WITHIN THE HANGER. COORDINATE STAGING AND WORK AREAS WITH THE OWNER PRIOR TO STARTING WORK. PROVIDE PROTECTIVE SHEETING WHERE REQUIRED TO CAPTURE AND OR PROTECT OWNER EQUIPMENT FROM DEBRIS, DUST, OVER SPRAY, ETC. OWNER WILL COVER THEIR EQUIPMENT UNLESS MUTUALLY AGREED OTHERWISE.

FACILITY: STATE OF MISSOURI, MISSOURI STATE HIGHWAY PATROL  
FLIGHT OPERATIONS HANGER  
TOTAL SQUARE FEET: 16,680 SQ. FT. (ALL PITCHED ROOFS)  
**(AREAS AND DIMENSIONS SHOULD BE VERIFIED FOR ACCURACY - PROVIDED FOR CONVENIENCE ONLY. THESE NUMBERS WILL NOT BE USED AS A BASIS FOR A CONTRACT CHANGE)**

ROOF LEGEND:

- SQUARE VENT AND BUILT CURB/FLASHING PENETRATION
- PIPE PENETRATION
- 25:12 EXAMPLE OF ROOF SLOPE
- ← SLOPE DIRECTION



REFLECTED CEILING PLAN  
3/32" = 1'-0"  
HANGER

ROOF PLAN  
3/32" = 1'-0"  
HANGER



MISSOURI STATE  
CERTIFICATE OF AUTHORITY  
#000143  
631 West Main Street  
Jefferson City, Missouri 65101  
(573)636-5000

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

DEPARTMENT OF  
PUBLIC SAFETY

Missouri State Highway Patrol

REPLACE ROOF SYSTEM  
AND SELECTIVE CEILING  
DEMOLITION, MSHP  
FLIGHT OPERATIONS  
HANGAR

511 AIRPORT RD.  
JEFFERSON CITY, MISSOURI

PROJECT # R2407-01  
SITE # 6011

ASSET # 8136011001

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

ISSUE DATE: 09/10/2024

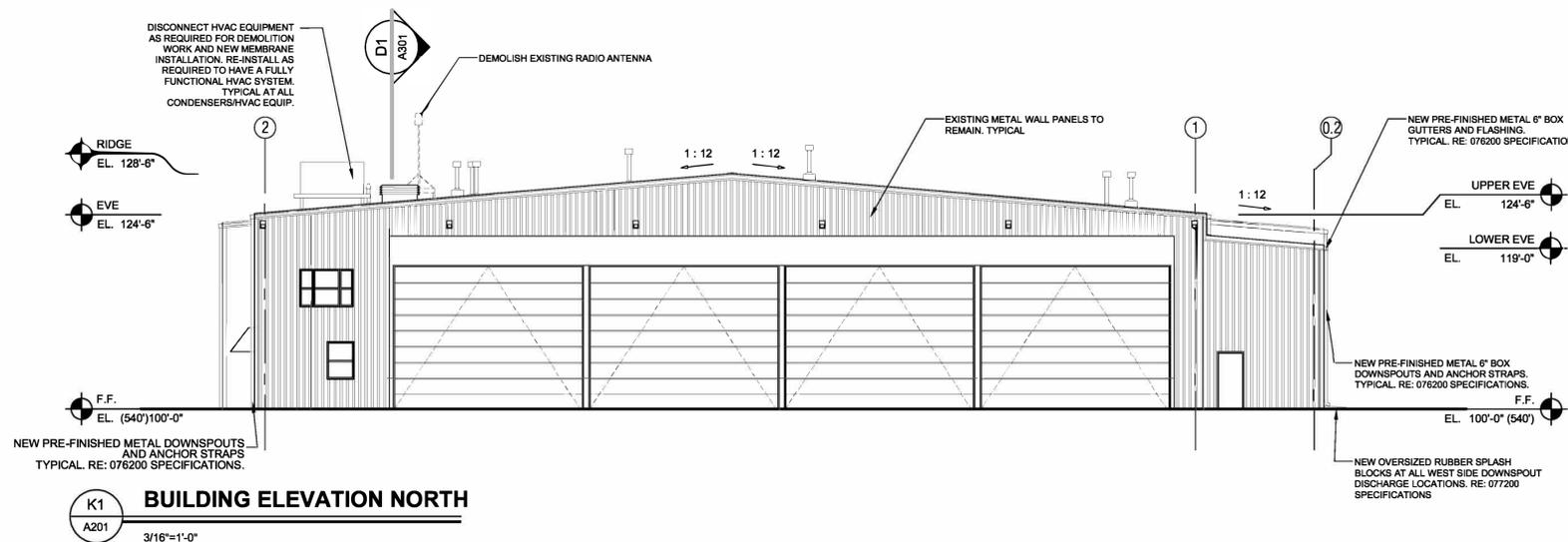
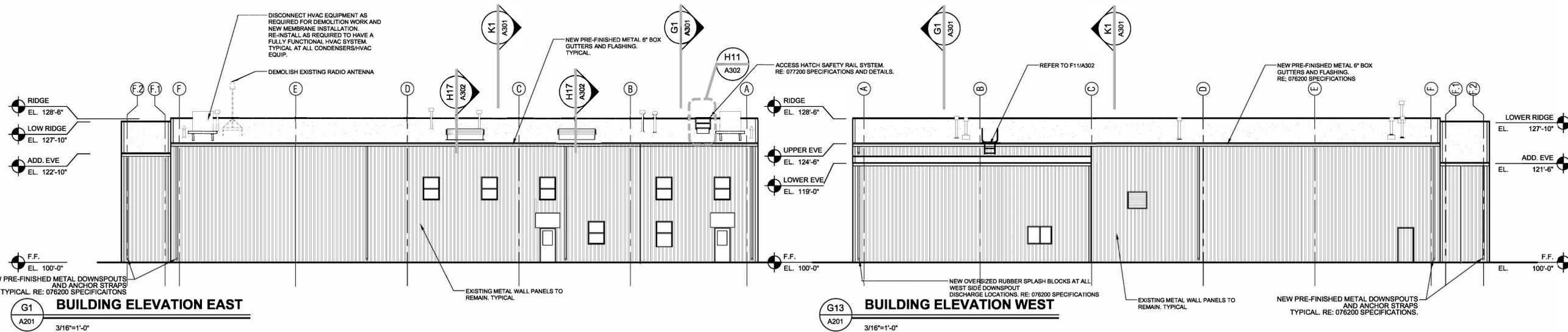
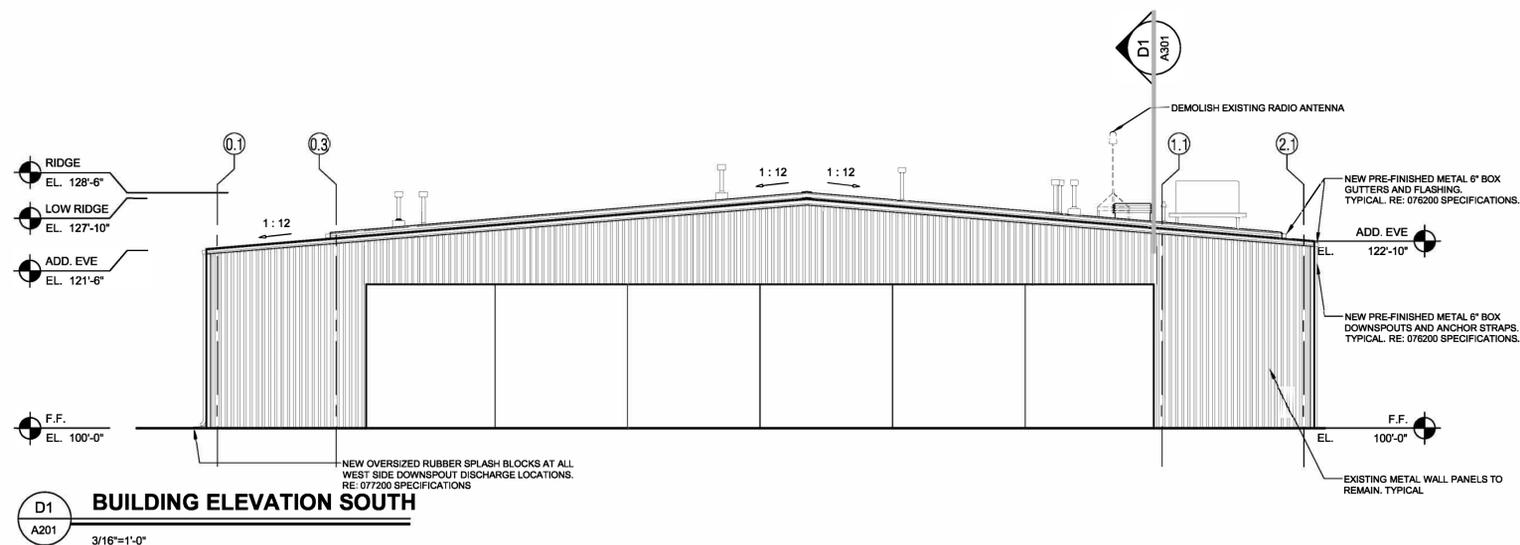
CAD DWG FILE: A-201.DWG  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: LB  
DESIGNED BY: CLG

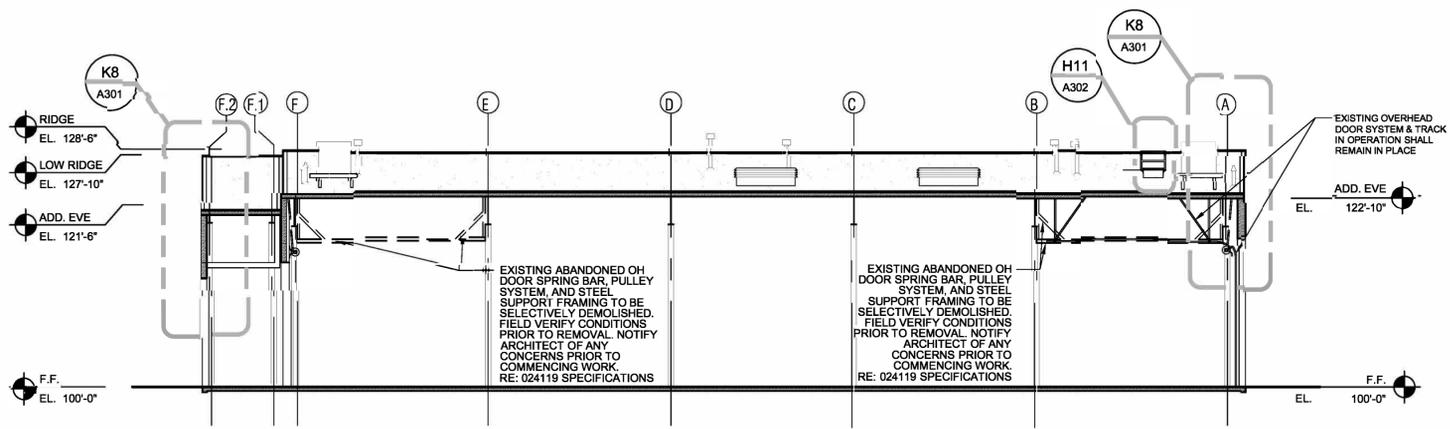
SHEET TITLE:  
**BUILDING  
ELEVATIONS**

SHEET NUMBER:

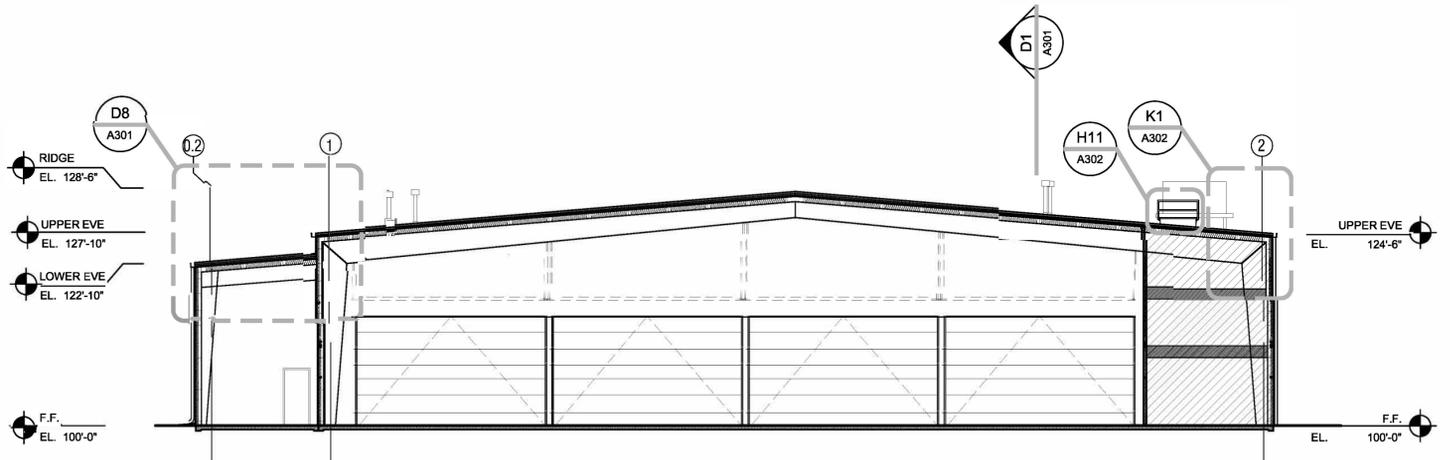
**A-201**

SHEET 7 OF 9  
09/10/2024

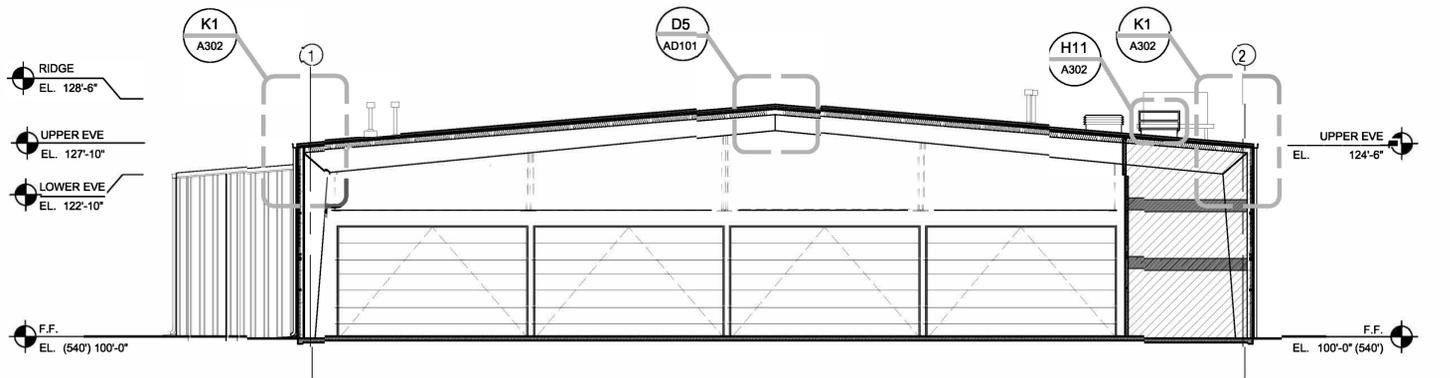




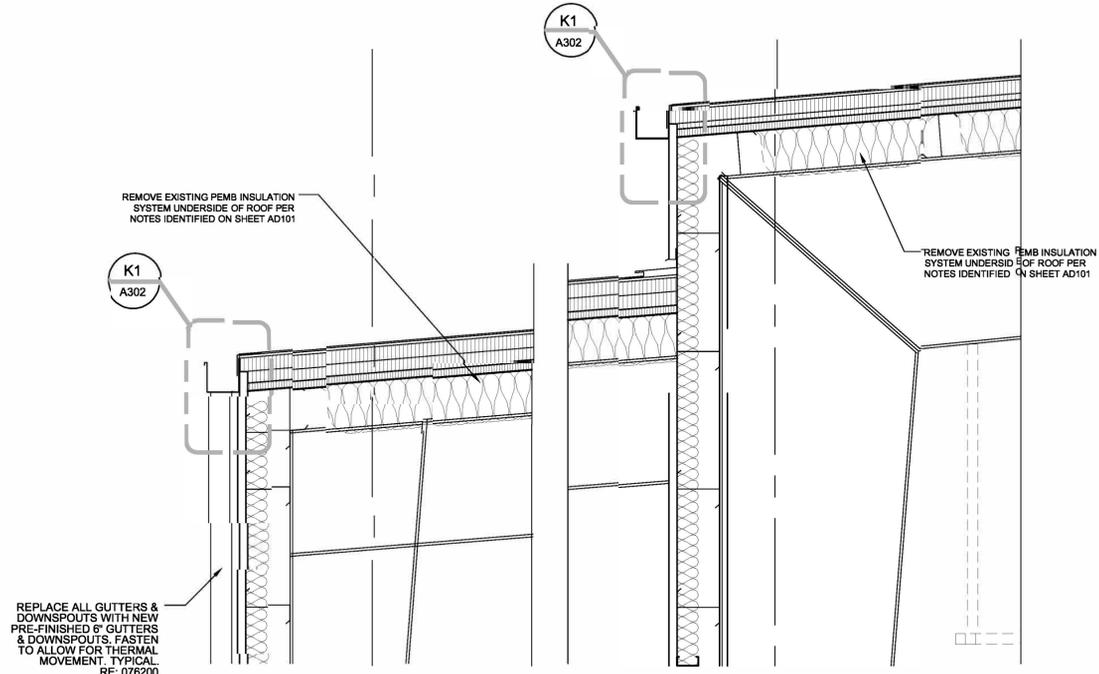
**D1 BUILDING SECTION DETAIL**  
A301 3/32"=1'-0"



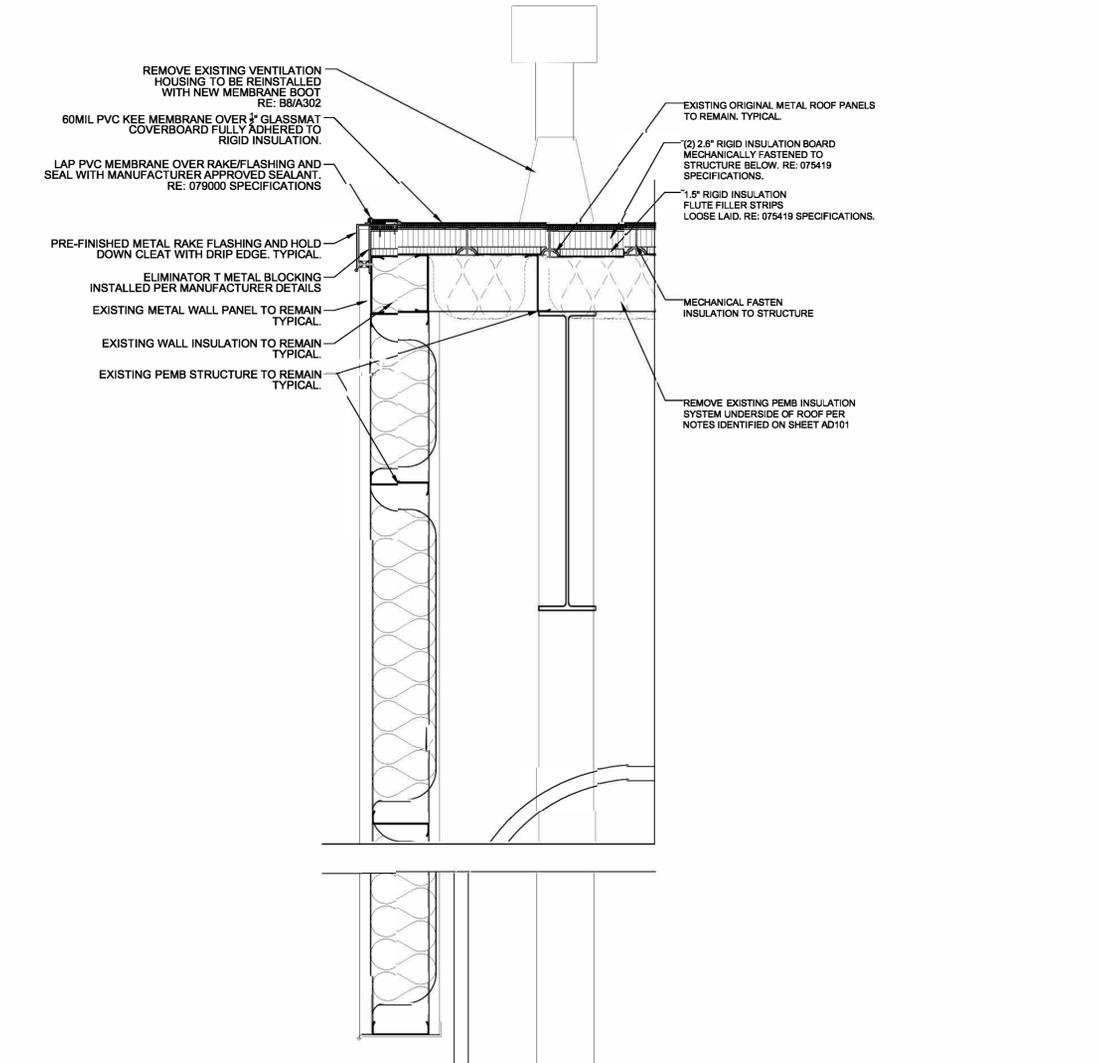
**G1 BUILDING SECTION DETAIL**  
A301 3/32"=1'-0"



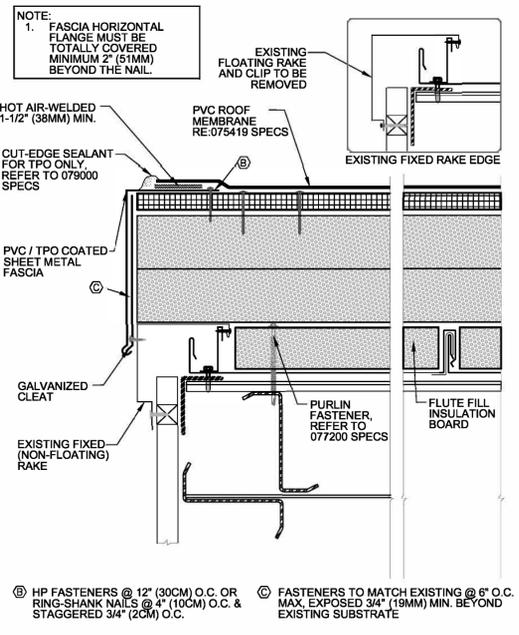
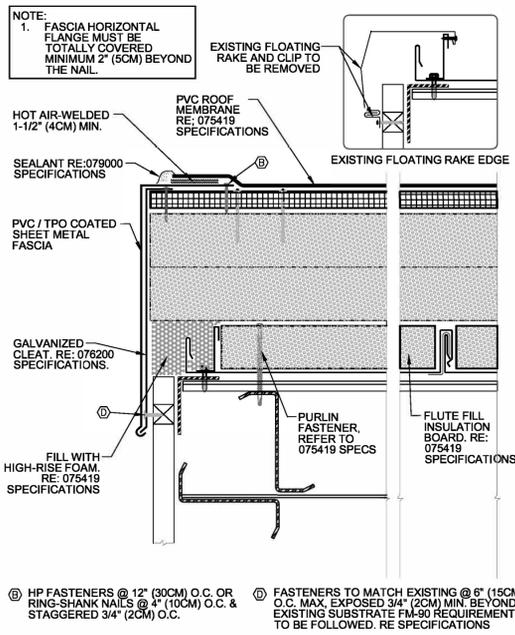
**K1 BUILDING SECTION DETAIL**  
A301 3/32"=1'-0"



**D8 ENLARGED SECTION DETAIL**  
A301 3/4"=1'-0"



**K8 ENLARGED SECTION DETAIL**  
A301 1"=1'-0" TYPICAL RAKE

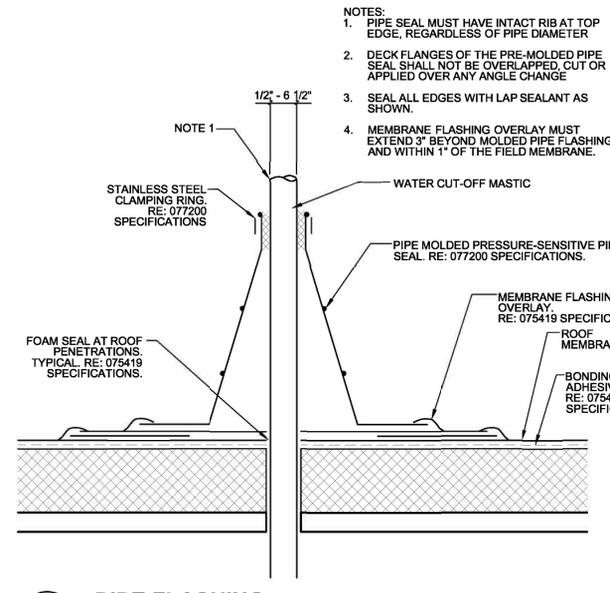


ⓑ HP FASTENERS @ 12" (30CM) O.C. OR RING-SHANK NAILS @ 4" (10CM) O.C. & STAGGERED 3/4" (2CM) O.C.

Ⓓ FASTENERS TO MATCH EXISTING @ 6" (15CM) O.C. MAX. EXPOSED 3/4" (19MM) MIN. BEYOND EXISTING SUBSTRATE FM-90 REQUIREMENTS TO BE FOLLOWED. RE SPECIFICATIONS

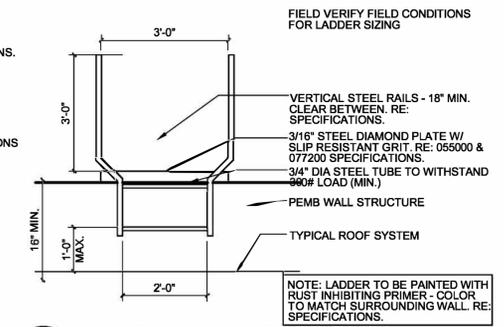
Ⓒ FASTENERS TO MATCH EXISTING @ 6" O.C. MAX. EXPOSED 3/4" (19MM) MIN. BEYOND EXISTING SUBSTRATE

D1  
A302  
3/4" = 1'-0"

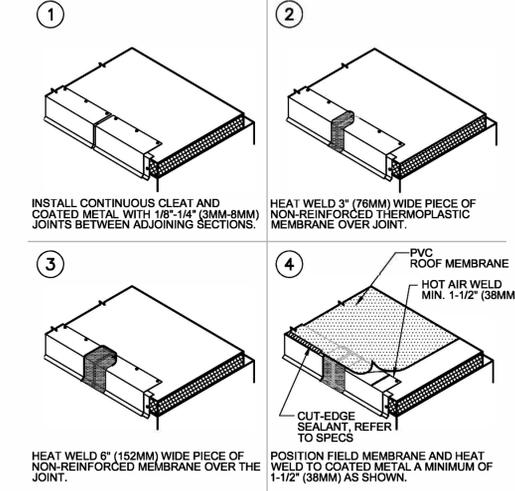


NOTES:  
1. PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE, REGARDLESS OF PIPE DIAMETER  
2. DECK FLANGES OF THE PRE-MOLDED PIPE SEAL SHALL NOT BE OVERLAPPED, CUT OR APPLIED OVER ANY ANGLE CHANGE  
3. SEAL ALL EDGES WITH LAP SEALANT AS SHOWN.  
4. MEMBRANE FLASHING OVERLAY MUST EXTEND 3" BEYOND MOLDED PIPE FLASHING AND WITHIN 1" OF THE FIELD MEMBRANE.

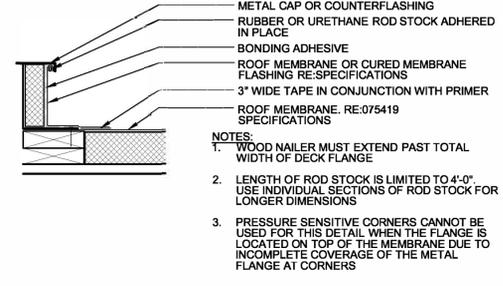
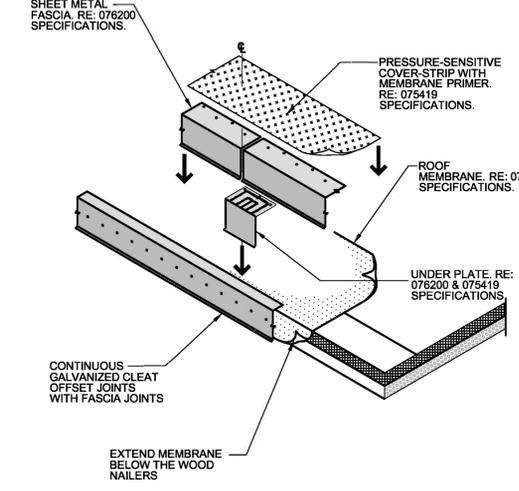
B8  
A302  
3" = 1'-0"



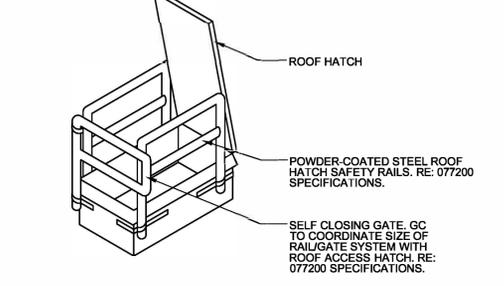
F11  
A302  
1/2" = 1'-0"



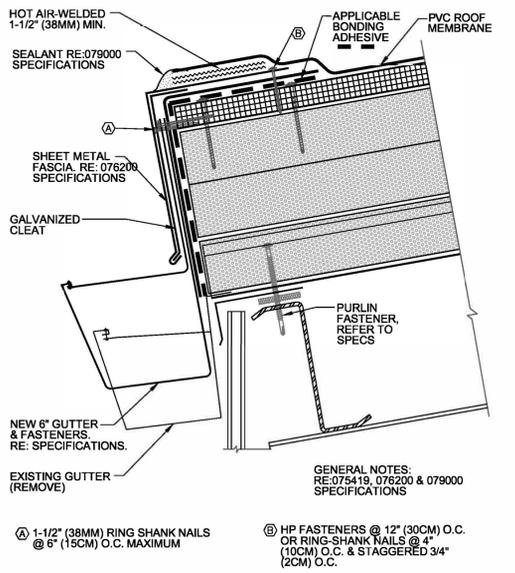
G1  
A302  
3/4" = 1'-0"



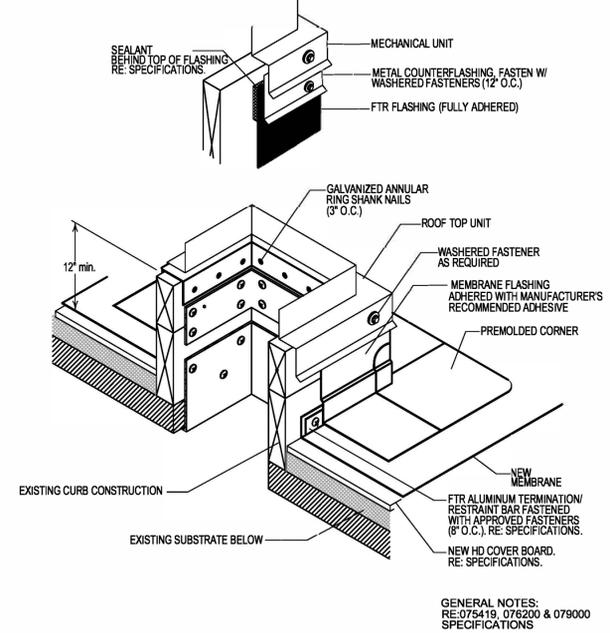
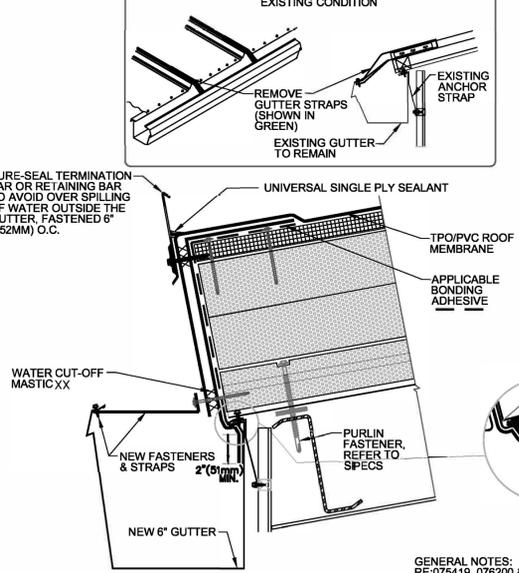
D8  
A302  
1" = 1'-0"



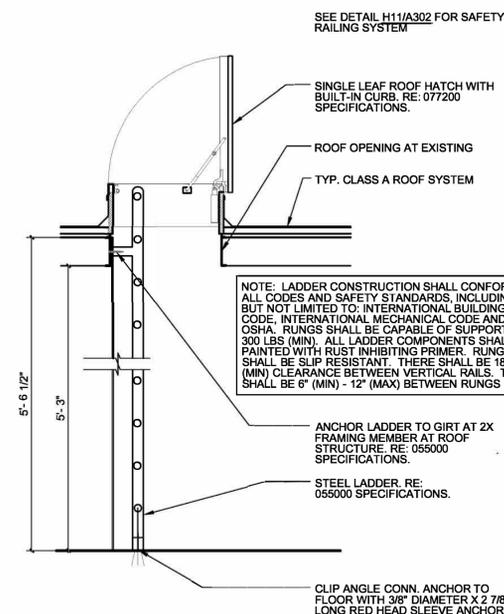
H11  
A302  
NTS



K1  
A302  
3/4" = 1'-0"



H17  
A302  
NTS



K8  
A302  
1/2" = 1'-0"

