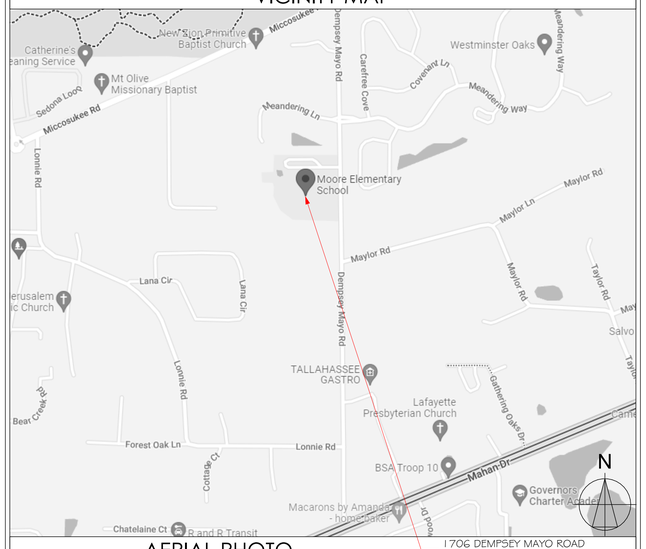
W.T. MOORE ELEMENTARY SCHOOL ROOF REPLACEMENT BUILDING 1, 2, 3, 5, AND 8

LEON COUNTY SCHOOLS

TALLAHASSEE, FLORIDA

VICINITY MAP



1706 DEMPSEY MAYO ROAD
TALLAHASSEE, FLORIDA 32308

AERIAL PHOTO

SCOPE OF WORK

BRIEFLY AND WITHOUT FORCE AND EFFECT UPON THE CONTRACT DOCUMENTS, THE WORK OF THE CONTRACT CAN BE SUMMARIZED AS FOLLOWS:

THE WORK INCLUDES REMOVAL/TEAR OFF THE EXISTING ROOFING, FLASHING, AND INSULATION SYSTEM ON BUILDINGS 1, 2, 3, 5, & 8's ROOFS AND MECHANICALLY FASTEN A 1/4" PER FOOT TAPERED RIGID ISOCYANURATE INSULATION BOARD SYSTEM TO THE EXISTING STRUCTURAL STEEL DECK. FULLY ADHERE A 1/2" HIGH DENSITY COVERBOARD TO THE INSULATION SYSTEM AND INSTALL A HYBRID REINFORCED SBS MODIFIED BITUMEN MEMBRANE INTERPLY ROOFING MEMBRANE WITH A HIGH SOLAR REFLECTANCE INDEX (SRI), FULLY ADHERED 60 MIL KEYTONE ETHYLENE ESTER (KEE) CAP SHEET ROOFING AND 60 MIL KEE FLASHING MEMBRANE SYSTEM. THE WORK ALSO INCLUDES INSTALLING NEW CAST IRON ROOF DRAINS AND DRAINAGE PIPES WITH METAL BASKET STRAINERS, RAISING EXPANSION JOINTS BETWEEN ROOF SECTIONS, REMOVING ABANDONED ROOFTOP EQUIPMENT, RAISING EXISTING CURBED ROOFTOP EQUIPMENT AND VTRs A MINIMUM TEN INCHES ABOVE THE FINISHED ROOF SURFACE AND REMOVING AND INSTALLING NEW GUTTERS AND DOWNSPOUTS.

ALTERNATE #A:
IN LIEU OF INSTALLING THE "HYBRID" KEE ROOFING SYSTEM, INSTALL A "HYBRID" REINFORCED SBS MODIFIED BITUMEN MEMBRANE INTERPLY ROOFING MEMBRANE WITH 80 MIL PVC SINGLE PLY ROOFING SYSTEM WITH 60 MIL FLASHINGS TO MEET FBC AND PROVIDE MANUFACTURER'S 20 YEAR NDL (EDGE TO EDGE) WARRANTY.

ALTERNATE #B:
THE WORK INCLUDES PROVIDING TWO PRE-ENGINEERED ALUMINUM MODULAR WALL MOUNTED CONNECTOR BRIDGES WHERE IDENTIFIED, BRIDGING FROM BUILDING 1 TO BUILDING 2 AND FROM BUILDING 1 TO BUILDING 3.

LCS APPROVALS

DANNY ALLBRITTON, DIR. OF FACILITIES & CONSTRUCTION

MARTHA CHAUNCEY, CAPITAL OUTLAY SPECIALIST

KERRI ANDERSON, PRINCIPAL

RYAN WILLIAMS, PROJECT COORDINATOR

DISCLAIMER

BUILDING AND FIRE CODES

STATE REQUIREMENTS FOR EDUCATION FACILITIES (SREF) (2014)
FLORIDA BUILDING CODE (FBC), 7TH EDITION (2020)
FLORIDA ACCESSIBILITY CODE (FAC), 7TH EDITION (2020)
FLORIDA EXISTING BUILDING CODE (FBC-EB), 7TH EDITION (2020)
FLORIDA FUEL GAS CODE (FBC-FG), 7TH EDITION (2020)
FLORIDA MECHANICAL CODE (FBC-M), 7TH EDITION (2020)
FLORIDA PLUMBING CODE (FBC-P), 7TH EDITION (2020)
FLORIDA FIRE PREVENTION CODE (FFPC), 7TH EDITION (2020)
NATIONAL ELECTRICAL CODE (NEC), 2017 EDITION
ASCE STANDARD 7-16 (STRUCTURAL WIND LOAD CRITERIA)

FLORIDA PRODUCT APPROVAL:
CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL EXTERIOR ENVELOPE COMPONENTS REQUIRING PRODUCT APPROVAL PER FS 553.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS.

DRAWING INDEX

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CONSTRUCTION DOCUMENTS

PROJ. NO.	15G122
DATE	05/17/2022
DRAWN	LH
CHECKED	RB
APPROVED	JS
REVISION	
REVISION DATE	

TITLE SHEET

G100

ABBREVIATIONS

A/C	AIR CONDITIONER
AB	ANCHOR BOLT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
AO	ACCESS OPENING
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
B	BOTTOM
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
BO	BOTTOM OF
BRG	BEARING
C	CHANNEL
CANT	CANTILEVER
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CL, <	CENTER LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CR	COLD ROLLED
CTR	CENTER
DBL	DOUBLE
DEG, ^	DEGREES
DET	DETAIL
DIA,~	DIAMETER
DIM	DIMENSION
DL	DEAD LOAD
DTL	DETAIL
DWG	DRAWING
DWL	DOWEL
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
ELEC	ELECTRICAL
EMBED	EMBEDMENT
ENCL	ENCLOSED
ENGR	ENGINEER
EQ	EQUAL
EST	ESTIMATED
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
FAB	FABRICATE
FBC	FLORIDA BUILDING CODE
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FIN	FINISH
FL	FLOOR
FT	FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GND	GROUND
GYP	GYPSUM
HC	HOLLOW CORE
HDR	HEADER
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING , VENTILATION & A/C
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
K	KIPS
KSI	KIPS PER SQUARE INCH
KSF	KIPS PER SQUARE FOOT
L	ANGLE
LAM	LAMINATED
LBS	POUNDS
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
MBR	MEMBER
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MATCH LINE
MO	MASONRY OPENING
MTL	METAL
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NS	NON SHRINK
NTS	NOT TO SCALE
OC	ON CENTER
PCF	POUNDS PER CUBIC FOOT
PL, >	PLATE
PLF	POUNDS PER LINEAR FOOT
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCED
REQ	REQUIRED
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLBB	SHORT LEG BACK TO BACK
SPEC	SPECIFICATION
SQ	SQUARE
STD	STANDARD
STL	STEEL
SYM	SYMMETRICAL
T	TOP
T&B	TOP & BOTTOM
TEMP	TEMPERED
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
W/	WITH
W/O	WITH OUT
WWF	WELDED WIRE FABRIC

GENERAL NOTES

1. THE GOVERNING CODE FOR THIS PROJECT IS THE 2020 FLORIDA BUILDING CODE, 7th EDITION. THIS CODE PRESCRIBES WHICH EDITION OF EACH REFERENCE STANDARD APPLIES TO THIS PROJECT.
2. TO THE BEST OF OUR KNOWLEDGE, THE STRUCTURAL DRAWINGS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING BUILDING CODE.
3. CONSTRUCTION IS TO COMPLY WITH THE REQUIREMENTS OF THE GOVERNING BUILDING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.
4. THE STRUCTURAL DOCUMENTS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DOCUMENTS. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS.
5. DETAILS LABELED "TYPICAL" APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTIONS REGARDING THE APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ARCHITECT.
6. OPENINGS SHOWN ON STRUCTURAL DRAWINGS ARE ONLY PICTORIAL. SEE THE ARCHITECTURAL AND M.E.P. DRAWINGS FOR THE SIZE AND LOCATION OF OPENINGS IN THE STRUCTURE.
7. CONTRACTORS WHO DISCOVER DISCREPANCIES, OMISSIONS OR VARIATIONS IN THE CONTRACT DOCUMENTS DURING BIDDING SHALL IMMEDIATELY NOTIFY THE ARCHITECT. THE ARCHITECT WILL RESOLVE THE CONDITION AND ISSUE A WRITTEN CLARIFICATION.
8. THE GENERAL CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS WITH FIELD CONDITIONS AND DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS, USE ONLY PRINTED DIMENSIONS. ELECTRONIC DRAWINGS SHOULD NOT BE ASSUMED TO BE DRAWN TO SCALE. REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. DO NOT CHANGE SIZE OR LOCATION OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE STRUCTURAL ENGINEER OF RECORD.
9. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY, HIS OWN WORK AND THE PUBLIC FROM HARM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND JOBSITE SAFETY INCLUDING ALL OSHA REQUIREMENTS.
10. THE STRUCTURE IS DESIGNED TO BE STRUCTURALLY SOUND WHEN COMPLETED. PRIOR TO COMPLETION, THE CONTRACTOR IS RESPONSIBLE FOR STABILITY AND TEMPORARY BRACING, INCLUDING, BUT NOT LIMITED TO, MASONRY WALLS. WHEREVER THE CONTRACTOR IS UNSURE OF THESE REQUIREMENTS, THE CONTRACTOR SHALL RETAIN A FLORIDA LICENSED ENGINEER TO DESIGN AND INSPECT THE TEMPORARY BRACING AND STABILITY OF THE STRUCTURE.

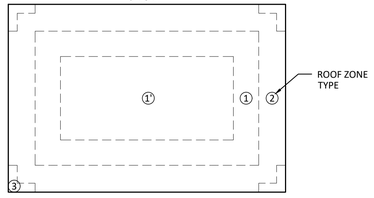
SHOP DRAWINGS AND OTHER SUBMITTALS

1. REFER TO DIVISION 1 OF THE SPECIFICATIONS FOR SUBMITTAL PROCEDURE AND REQUIREMENTS. REFER TO THE APPLICABLE SPECIFICATION SECTIONS FOR TECHNICAL CONTENT REQUIREMENTS. INCOMPLETE SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
2. SUBMIT SPECIFIC COMPONENTS, SUCH AS COLUMN, FOOTINGS, ETC., IN A SINGLE PACKAGE.
3. CAD FILES OF STRUCTURAL DRAWINGS MAY BE USED AS AN AID IN PREPARING SHOP DRAWINGS UPON THE CONTRACTOR SIGNING AN AGREEMENT AND PAYING THE FEE ESTABLISHED AT THE TIME, IF ANY.
4. DO NOT USE OR REPRODUCE STRUCTURAL DRAWINGS AS PART OF SHOP DRAWINGS WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT/ENGINEER. IF CAD FILES ARE REQUESTED, THE CONTRACTOR MAY BE REQUIRED TO SIGN AN AGREEMENT FOR THE USE OF CAD FILES. WHEN CAD FILES OR COPIES OF THE STRUCTURAL DRAWINGS ARE MADE AVAILABLE, IT IS UNDER THE FOLLOWING CONDITIONS:
   A. ALL INFORMATION CONTAINED IN THE CAD FILES OR COPIES OF THE STRUCTURAL DRAWINGS ARE INSTRUMENTS OF SERVICE OF THE ARCHITECT / ENGINEER AND SHALL NOT BE USED FOR OTHER PROJECTS, ADDITIONS TO THE PROJECT OR THE COMPLETION OF THE PROJECT BY OTHERS. CAD FILES AND COPIES OF THE STRUCTURAL DRAWINGS REMAIN THE PROPERTY OF THE ARCHITECT/ENGINEER AND IN NO CASE SHALL THEIR TRANSFER BE CONSIDERED A SALE,
   B. CAD FILES OR COPIES OF THE STRUCTURAL DRAWINGS ARE NOT CONTRACT DOCUMENTS. IN THE EVENT OF A CONFLICT, THE STRUCTURAL DRAWINGS SHALL GOVERN,
   C. THE USE OF CAD FILES OR COPIES OF THE STRUCTURAL DRAWINGS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROPER CHECKING AND COORDINATION OF DIMENSIONS, DETAILS, SIZES AND QUANTITIES OF MATERIALS AS REQUIRED FOR THE PREPARATION OF COMPLETE AND ACCURATE SHOP DRAWINGS,
   D. THE CONTRACTOR SHALL REVISE ALL REFERENCES TO CONTRACT DOCUMENT SHEET NUMBERS AND SECTIONS MARKS AND SHALL REMOVE INFORMATION THAT IS NOT REQUIRED FOR THEIR WORK FROM THE CAD FILES OR COPIES OF THE STRUCTURAL DRAWINGS, INCLUDING THE TITLE BLOCK.
5. ON FIRST SUBMITTAL, CLEARLY FLAG AND CLOUD ALL DIFFERENCES FROM THE CONTRACT DOCUMENTS. ON RE-SUBMITTALS, FLAG AND CLOUD ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMITTAL, ONLY CLOUDED ITEMS WILL BE REVIEWED.
6. SUBMITTALS FOR CUSTOM STRUCTURAL, LOAD-CARRYING ITEMS THAT ARE REQUIRED BY CODES OR STANDARDS TO RESIST FORCES MUST BE PREPARED BY, OR UNDER THE DIRECT SUPERVISION OF, A DELEGATED ENGINEER. EXAMPLES INCLUDE OPEN WEB STEEL JOIST, RE-ENGINEERED METAL BUILDINGS, STRUCTURAL LIGHT GAGE STEEL FRAMING, EXTERIOR ENCLOSURE SYSTEMS, AND SHORING AND RE-SHORING.
7. A DELEGATED ENGINEER IS DEFINED AS A FLORIDA LICENSED ENGINEER WHO SPECIALIZES IN AND UNDERTAKES THE DESIGN OF STRUCTURAL COMPONENTS OR STRUCTURAL SYSTEMS INCLUDED IN A SPECIFIC SUBMITTAL PREPARED FOR THIS PROJECT AND IS AN EMPLOYEE OR OFFICER OF, OR CONSULTANT TO, THE CONTRACTOR OF FABRICATOR RESPONSIBLE FOR THE SUBMITTAL. THE DELEGATED ENGINEER SHALL SIGN, SEAL AND DATE THE SUBMITTAL, INCLUDING CALCULATIONS AND DRAWINGS, SEE SPECIFICATIONS FOR MORE SPECIFIC CRITERIA.
8. THE GENERAL CONTRACTOR SHALL REVIEW AND APPROVE SUBMITTALS AND SHALL SIGN AND DATE EACH DRAWING PRIOR TO SUBMITTING TO THE ARCHITECT. THIS APPROVAL IS TO CONFIRM THAT THE SUBMITTAL IS COMPLETE, COMPLIES WITH THE SUBMITTAL REQUIREMENTS AND IS COORDINATED WITH FIELD DIMENSIONS, OTHER TRADES, ERECTION SEQUENCING AND CONSTRUCTIBLE.
9. THE STRUCTURAL ENGINEER REVIEWS SUBMITTALS TO CONFIRM THAT THE SUBMITTAL IS IN GENERAL CONFORMANCE WITH THE DESIGN CONCEPT PRESENTED IN THE CONTRACT DOCUMENTS. QUANTITIES AND DIMENSIONS ARE NOT CHECKED. BEING CONSTRUCTIBLE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR/FABRICATOR.
10. THE STRUCTURAL ENGINEER'S REVIEW OF DELEGATED ENGINEER SUBMITTALS IS LIMITED TO VERIFYING THAT THE SPECIFIED STRUCTURAL SUBMITTAL HAS BEEN FURNISHED AND SEALED BY THE DELEGATED ENGINEER AND THAT THE DELEGATED ENGINEER HAS UNDERSTOOD THE DESIGN INTENT AND USED THE SPECIFIED STRUCTURAL CRITERIA. NO DETAILED CHECK OF CALCULATIONS WILL BE MADE. ALL COMMENTS BY THE STRUCTURAL ENGINEER WILL BE MADE ON THE SHOP DRAWINGS. CALCULATIONS ARE FOR ARCHITECT'S AND ENGINEER'S RECORDS AND ARE NOT APPROVED NOR RETURNED.

WIND LOAD DESIGN CRITERIA

GOVERNING CODE	ASCE 7-16
BUILDING TYPE	ENCLOSED
BUILDING CATEGORY	III
EXPOSURE CATEGORY	B
BASIC WIND SPEED	V = 130 MPH
INTERNAL PRESSURE COEFFICIENT	GCPI = +/-0.18

FLAT/HIP/GABLE SLOPED ROOF
0°<Θ<7°



COMPONENT & CLADDING LOADS - ROOF			
TRIB AREA	PRESSURE		O.H. PRESSURE
ZONE (1)	ROOF - INTERIOR		
10 SQ. FT.	16	-43	-39
20 SQ. FT.	16	-40	-38
50 SQ. FT.	16	-37	-37
100 SQ. FT.	16	-34	-37
ZONE (1')	ROOF - INTERIOR EDGE		
10 SQ. FT.	16	-25	N/A
20 SQ. FT.	16	-25	N/A
50 SQ. FT.	16	-25	N/A
100 SQ. FT.	16	-25	N/A
ZONE (2)	ROOF - EXTERIOR EDGE		
10 SQ. FT.	16	-57	-53
20 SQ. FT.	16	-53	-48
50 SQ. FT.	16	-48	-41
100 SQ. FT.	16	-45	-37
ZONE (3)	ROOF - EXTERIOR EDGE		
10 SQ. FT.	16	-77	-73
20 SQ. FT.	16	-70	-65
50 SQ. FT.	16	-60	-53
100 SQ. FT.	16	-53	-45
EDGE ZONE (0.6h) = 11'-6" & (0.2h) = 4'-0"			

COMPONENT & CLADDING LOADS - WALLS			
TRIB AREA	PRESSURE		PARAPET
ZONE (4)	WALLS - INTERIOR		
10 SQ. FT.	27	-30	84
20 SQ. FT.	26	-28	79
50 SQ. FT.	24	-27	72
100 SQ. FT.	23	-25	68
ZONE (5)	WALLS - CORNER		
10 SQ. FT.	27	-36	104
20 SQ. FT.	26	-34	96
50 SQ. FT.	24	-31	84
100 SQ. FT.	23	-28	76

NOTE:
FOR EFFECTIVE AREAS BETWEEN THOSE GIVEN ABOVE THE LOADS MAY BE INTERPOLATED, OTHERWISE USE THE LOAD ASSOCIATED WITH THE LOWER EFFECTIVE AREA.

1. NUMBERS ARE THE GROSS ULTIMATE PRESSURES PERPENDICULAR TO THE SURFACE (IN PSF) BASED ON TRIBUTARY AREA. MULTIPLY ULTIMATE PRESSURES BY 0.6 TO OBTAIN PRESSURES FOR UNFACTORED LOADS USING ASD (ASCE 7-16 2.4).
2. NEGATIVE PRESSURES ACT AWAY FROM SURFACE, POSITIVE PRESSURES ACT TOWARD SURFACE.
3. ALL DIMENSIONS ARE MEASURED PERPENDICULAR TO SURFACE.

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REPLACEMENT BUILDING 1, 2, 3, 5, AND 8
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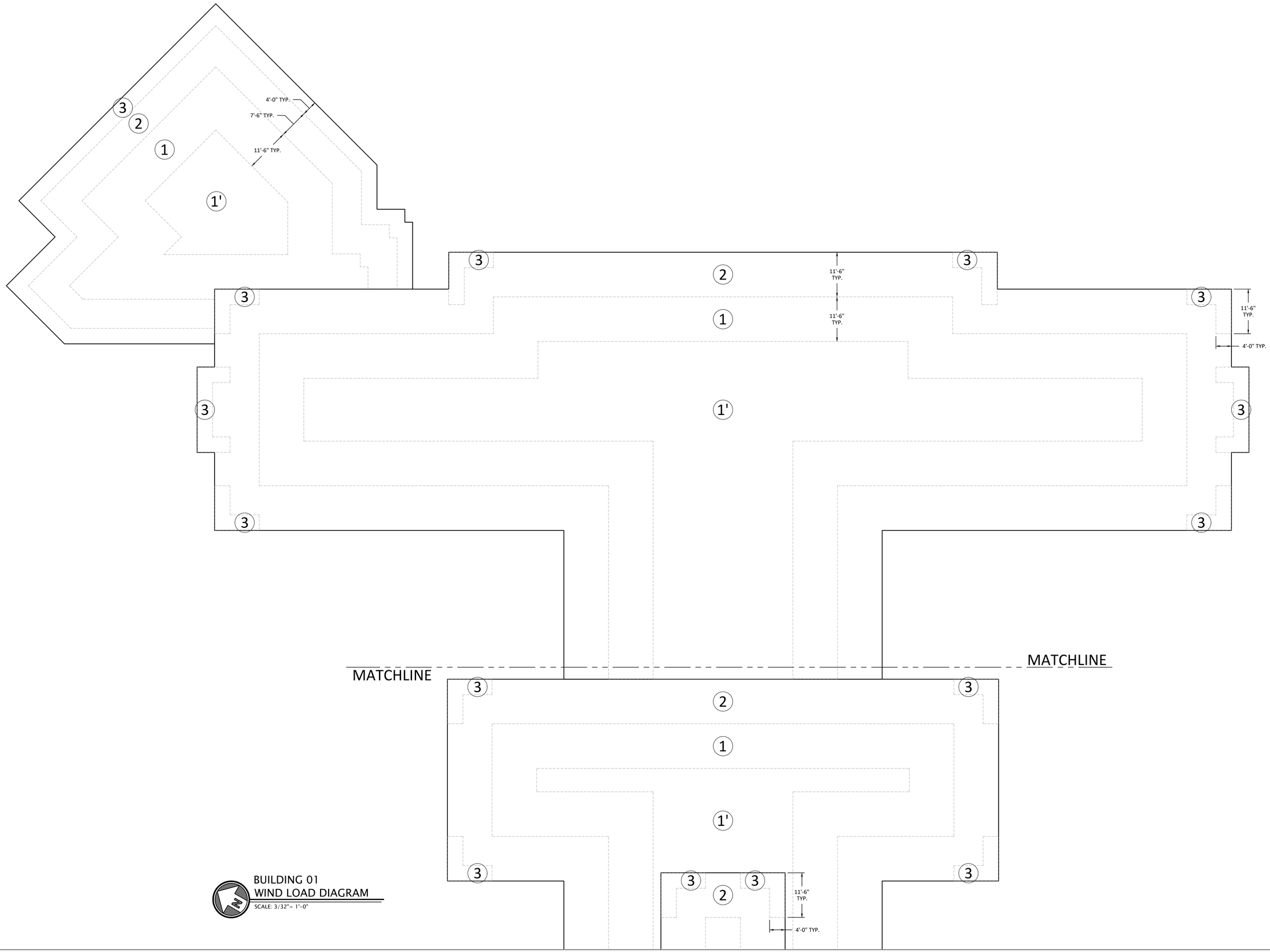
TALLAHASSEE, FLORIDA

CONSTRUCTION DOCUMENTS

PROJ. NO.	156122
DATE	05/17/2022
DRAWN	MH
CHECKED	PVM
APPROVED	
REVISION	
REVISION DATE	

GENERAL NOTES

S-0.1



BUILDING 01
WIND LOAD DIAGRAM
SCALE: 3/32"= 1'-0"

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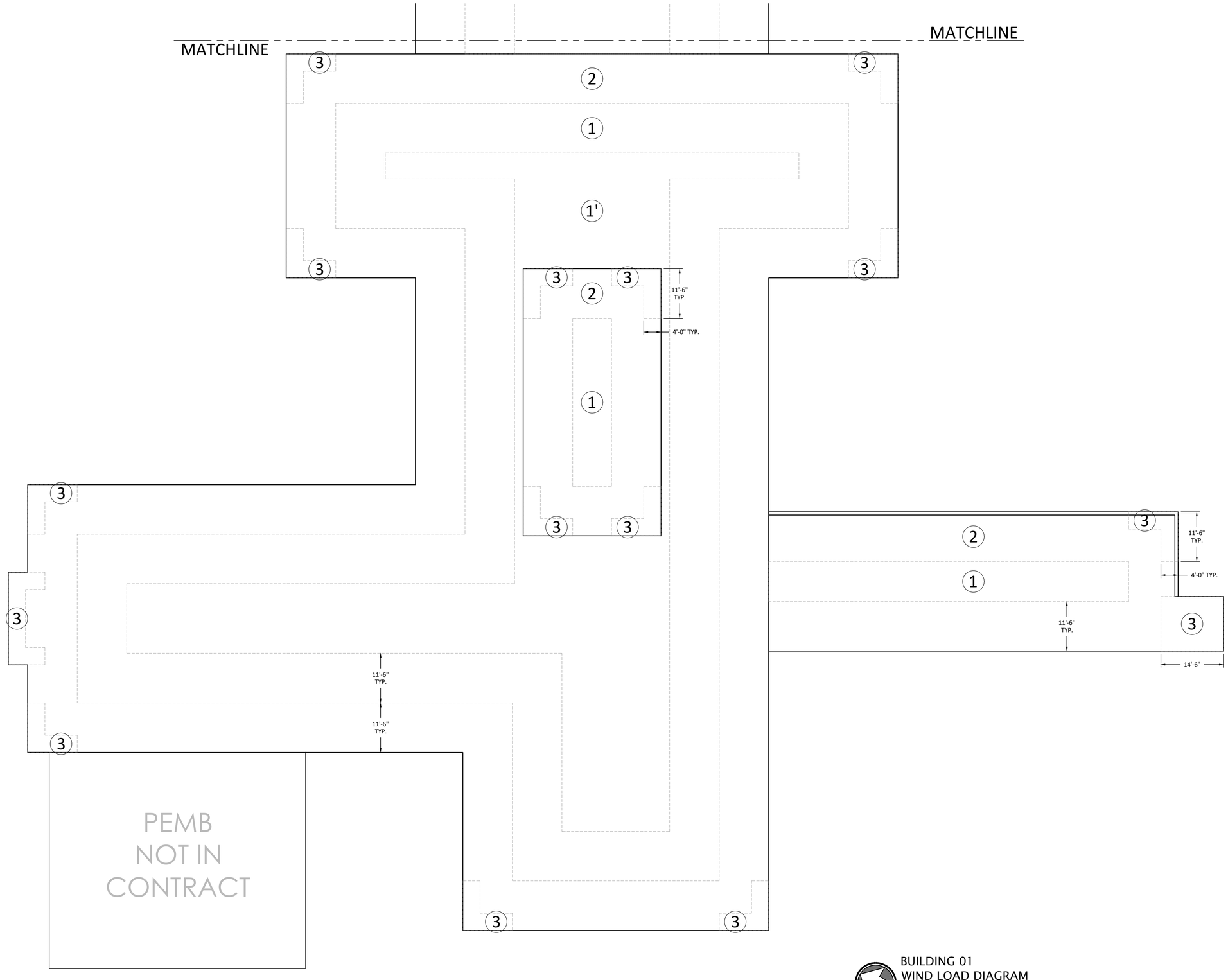
WIND LOAD DIAGRAM

S-0.2



BUILDING 01
WIND LOAD DIAGRAM
SCALE: 3/32"= 1'-0"

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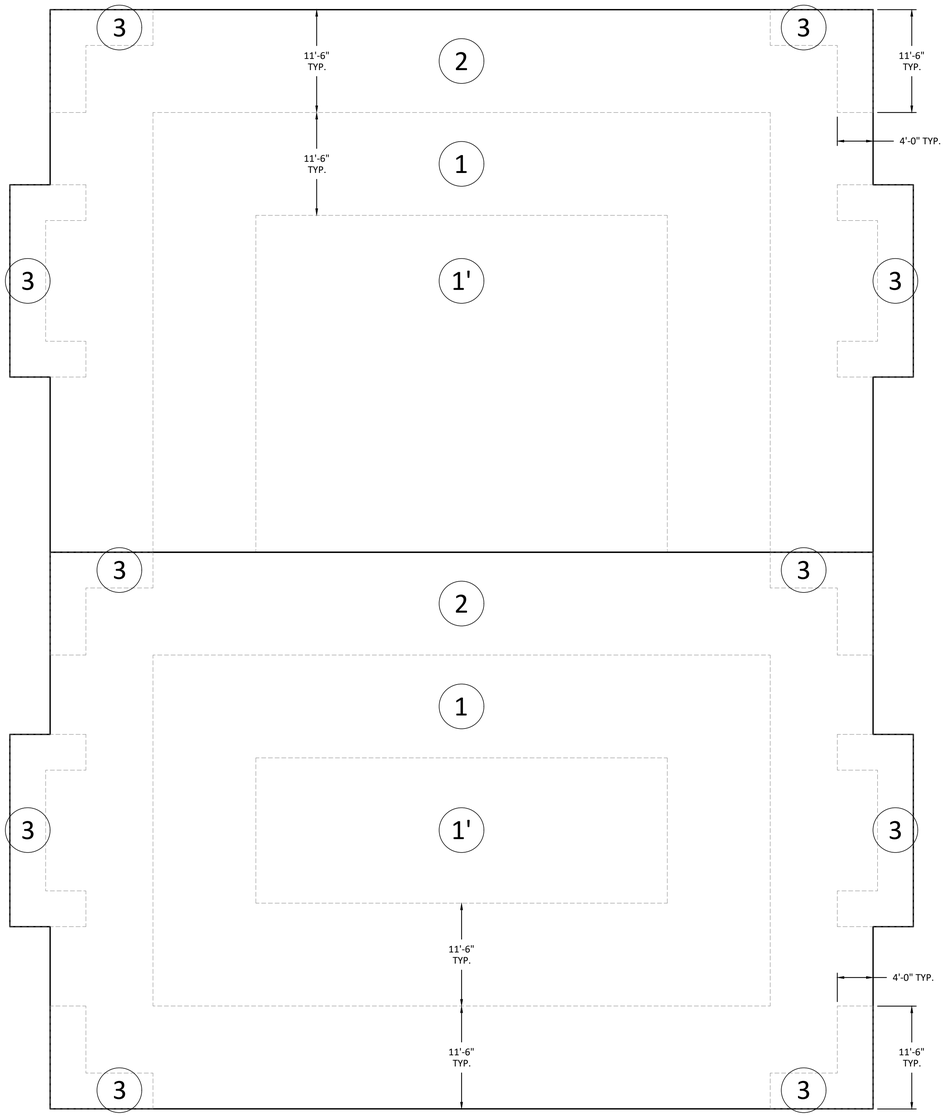
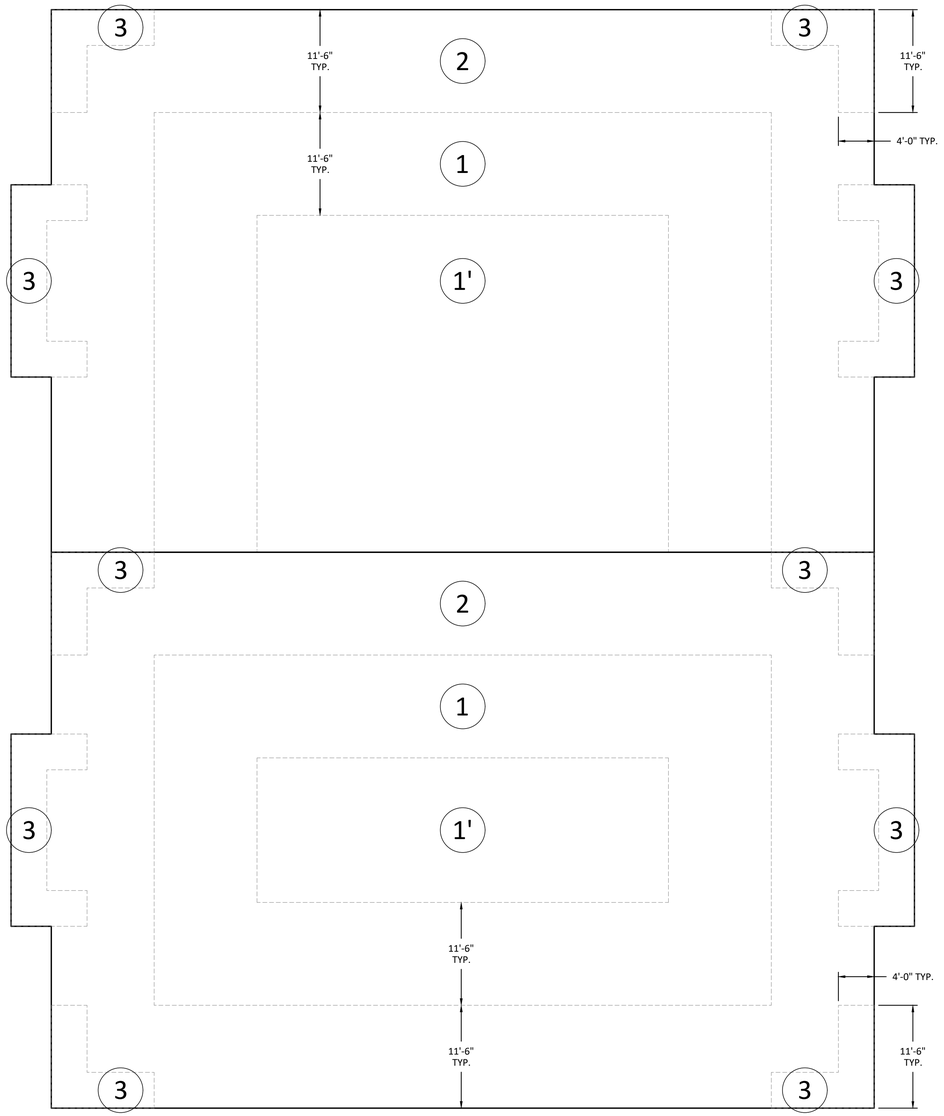
REVISION DATE	

WIND LOAD DIAGRAM

S-0.3



BUILDING 02
WIND LOAD DIAGRAM
SCALE: 1/8"= 1'-0"



BUILDING 03
WIND LOAD DIAGRAM
SCALE: 1/8"= 1'-0"

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CONSTRUCTION DOCUMENTS

PROJ. NO.	15612
DATE	05/17/2022
DRAWN	MH
CHECKED	PVM
APPROVED	
REVISION	
REVISION DATE	

WIND LOAD DIAGRAM

S-0.4

GENERAL NOTES

1. THE EXISTING OVERALL ROOF PLANS AND ELEVATIONS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ALL PROJECTIONS THROUGH ROOFS, AND ALL CONDITIONS.
2. BEFORE SUBMITTING PROPOSAL FOR THE WORK, EACH BIDDER WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
3. NORMAL OPERATIONS OF THE FACILITY SHALL CONTINUE DURING DEMOLITION AND CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK WITH ALL SUBCONTRACTORS AND SEQUENCE DEMOLITION AND CONSTRUCTION TO MINIMIZE INTERRUPTIONS TO NORMAL OPERATIONS OF THE FACILITY.
4. ALL PROPOSED INTERRUPTIONS TO OPERATIONS, SERVICES AND EQUIPMENT SHALL BE REVIEWED WITH AND APPROVED BY THE OWNER PRIOR TO STARTING SUCH WORK. UNLESS OTHERWISE APPROVED IN WRITING.
5. DUE TO THE NATURE OF THE FACILITY, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE SPECIAL SECURITY MEASURES AT THE JOBSITE. ALL TOOLS, MATERIALS, EQUIPMENT, ETC. SHALL BE SECURED. SECURITY PROCEDURES WILL BE REVIEWED AT THE PRECONSTRUCTION CONFERENCE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXIT WAYS CLEAR. WHERE AN EXIT MUST BE TEMPORARILY BLOCKED, CONTRACTOR SHALL PROVIDE THE REQUIRED BARRICADES AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
7. CONTRACTOR SHALL ERECT AND MAINTAIN ALL REASONABLE SAFEGUARDS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS, AND OTHER WARNING AGAINST HAZARDS, AS WELL AS PROMULGATING SAFETY REGULATIONS.
8. CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON SITE STORAGE OF CONSTRUCTION MATERIALS.
9. CONTRACTOR SHALL TAKE CARE TO DISTRIBUTE LOAD OF EQUIPMENT AND MATERIALS ON ROOF DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR'S RESPONSIBILITY NOT TO EXCEED DESIGN LOAD OF EXISTING ROOF STRUCTURE. CONTRACTOR SHALL NOT USE ANY ROOF AREA OUTSIDE AREA OF THE WORK AND COMPLETED ROOF AREAS FOR STORAGE, STAGING, OR WORKING.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PRUNING TREES, 3' AND LANDSCAPING SHRUBS 3' FROM BUILDING AND REMOVE VEGETATION FROM EXTERIOR WALLS, AS REQUIRED FOR DESIGNATED WORK. LANDSCAPE AND TREE PRUNING WORK TO BE DONE UNDER DIRECTION OF LICENSED LANDSCAPE ARCHITECT OR TREE SURGEON. TREES, SHRUBS, AND LANDSCAPING REMOVED OR DESTROYED SHALL BE REPLACED WITH LIKE KIND AND GUARANTEED FOR A YEAR.
11. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING SURFACES AND SHALL BE RESPONSIBLE FOR RETURNING ALL DISTURBED SOD AND REPAIR ALL DAMAGED AREAS (MATERIALS, FINISHES, LANDSCAPING, ETC.) TO THEIR ORIGINAL CONDITION. SURFACES SHALL BE REPAIRED TO MATCH THE EXISTING ADJACENT UNDAMAGED SURFACES.
12. CONTRACTOR SHALL MAINTAIN A CLEAN WORK PREMISE AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. ALL ROOF DRAINS, GUTTERS, AND DOWN LEADERS SHALL BE INSPECTED, CLEANED, AND FREE FLOWING DURING, AND UPON COMPLETION OF REROOFING.
14. CONTRACTOR SHALL INSPECT THE EXISTING ROOF DECK SUBSTRATE, AND COMPENSATE FOR ANY UNEVEN, IRREGULAR CONDITIONS. THE CONTRACTOR SHALL SHAVE AREAS OF LIGHTWEIGHT CONCRETE DECK TO PROVIDE ADEQUATE POSITIVE DRAINAGE.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER INTRUSION AND WATER DAMAGE TO THE BUILDING INTERIOR FOLLOWING EXISTING MEMBRANE TEAR-OFF.
16. ALL NEW ROOFING MEMBRANE, MEMBRANE FLASHING, AND ROOF ACCESSORIES PROVIDED BY ROOFING MANUFACTURER SHALL BE CONSIDERED A "ROOFING SYSTEM" AND SHALL PROVIDE A UL CLASS 'A' FIRE RATING AND FBC WIND UPLIFT CLASSIFICATION
17. ALL FLASHING SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS, AND COMPLY WITH RECOMMENDED DETAILS OF NRCA ROOFING AND WATERPROOFING MANUAL AND ARCHITECTURAL SHEET METAL MANUAL, BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA).
18. ROOFING MANUFACTURER TO PROVIDE SPECIFIED 20 YEAR EDGE TO EDGE WARRANTY, WITH NON PRORATED, NO PENAL SUM, AND NO DOLLAR LIMIT WARRANTY TO INCLUDE THE ROOF SYSTEM. WARRANTY MAY BE EXTENDED WITH SPECIAL PROVISIONS UP TO 30 YEARS.
19. ALL INDICATED EQUIPMENT SHALL BE RAISED AND REINSTALLED ON THE ROOF IN THEIR EXISTING LOCATIONS ON RAISED CURBS OR STANDS AS DETAILED UNLESS OTHERWISE NOTED. ALL THE EQUIPMENT CURBS AND VTRs SHALL BE A MINIMUM OF 10" ABOVE THE SURROUNDING FINISHED ROOF DECK.
20. CONTRACTOR SHALL SEPARATE ALL DISSIMILAR METALS WITH ASPHALT COATING.
21. JOINT SEALANT MANUFACTURERS TO PROVIDE 20 YEAR WARRANTY ON SILICONE JOINT SEALANT AND 5 YEAR WARRANTY ON POLYURETHANE JOINT SEALANT. PAINT MANUFACTURER SHALL PROVIDE 2 YEAR WARRANTY ON EXTERIOR PAINT SYSTEMS.
22. CONTRACTOR AND INSTALLER SHALL PROVIDE 3 YEAR UNLIMITED LABOR AND MATERIAL WARRANTY ON MEMBRANE ROOFING SYSTEMS, JOINT SEALANTS, PAINTING AND COATING SYSTEMS.
23. ALL WORK SHALL COMPLY WITH APPLICABLE OSHA AND E.P.A. REGULATIONS AND GUIDELINES.
24. ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020).
25. CONTRACTOR SHALL LIST AN EMERGENCY TELEPHONE NUMBER WHERE HE OR SHE MAY BE REACHED 24 HOURS A DAY, SEVEN DAYS A WEEK, DURING THE ENTIRE PERIOD OF CONTRACT TIME. THIS TELEPHONE NUMBER SHALL BE PROVIDED AT THE PRECONSTRUCTION CONFERENCE.

EXISTING CONDITIONS

THE EXISTING ROOFING SYSTEMS CONSISTS OF:

BUILDINGS 1, 2, 3, 5, & 8
(FROM THE TOP DOWN)
1. MODIFIED BITUMEN ROOFING SYSTEM
2. PERLITE / POLYISOCYANURATE INSULATION
3. STRUCTURAL STEEL ROOF DECK

DEMOLITION NOTES

CAUTION: CONTRACTOR TO PROVIDE WORKER SAFETY BARRICADES AT ROOF EDGES IN ACCORDANCE WITH OSHA REGULATIONS.

1. CONTRACTOR SHALL FIELD VERIFY ALL THE ITEMS TO BE REMOVED AS INDICATED ON THE PLANS WITHIN THE WORK AREA. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RENOVATION AS REQUIRED FOR NEW WORK.
2. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH PLUMBING AND ELECTRICAL SUBCONTRACTORS. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS IN INSTALLING THE ROOFING SYSTEM WITHOUT DAMAGING THE ELECTRICAL CONDUIT OR CONDUCTORS. DAMAGED CONDUIT AND/ OR CONDUCTORS SHALL BE REPLACED TO MATCHED EXISTING.
3. REMOVE ALL VTR FLASHING, EDGE FLASHING, COUNTERFLASHING, EDGE METAL, MEMBRANE FLASHING, ANY ABANDONED ROOF EQUIPMENT, CURBS, AND WOOD BLOCKING/NAILERS AS NOTED. REMOVE EXISTING EXPANSION JOINT, COUNTERFLASHING, AND MEMBRANE FLASHING (UNLESS NOTED OTHERWISE). DOCUMENT AND REMOVE EXISTING METAL GUTTER AND DOWNSPOUTS FOR LOCATION FOR NEW INSTALLATION.
4. EXISTING EXHAUST FANS/VENTS, ARE TO BE TEMPORARILY REMOVED, RAISED, AND REINSTALLED ON RAISED CURBS AS REQUIRED ABOVE NEW ROOF SYSTEM WITHOUT INTERRUPTION OF FACILITY OPERATIONS (UNLESS NOTED OTHERWISE).
5. TEMPORARILY SHORE UP ALL EQUIPMENT LINES AT EXISTING LEVEL DURING CONSTRUCTION. TEMPORARILY DISCONNECT REFRIGERANT AND ELECTRICAL LINES TO EQUIPMENT AS REQUIRED TO RELOCATE/RAISE EQUIPMENT.
6. CONTRACTOR TO PROTECT EQUIPMENT AND FINISHES BELOW ROOF DURING ROOFING OPERATION INVOLVING PENETRATION OF THE ROOFING SYSTEM OR OPENING OF ROOF DECK TO BELOW. EQUIPMENT AND FACILITY TO REMAIN OPERATIONAL AT ALL TIMES.
7. REMOVE THE EXISTING INSULATED ROOFING AND FLASHING SYSTEMS DOWN TO THE STRUCTURAL STEEL DECKING.
8. CLEAN AND PREPARE ROOF DECK TO RECEIVE NEW ROOFING SYSTEM.

ROOFING MECHANICAL NOTES

1. PRIOR TO BIDDING, FIELD VERIFY ALL MECHANICAL MODIFICATIONS FOR ROOFING WORK.
2. CONTRACTOR SHALL INITIALLY TEST ALL APPLICABLE MECHANICAL EQUIPMENT WITHIN 14 DAYS OF NTP. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT AND OWNER'S REPRESENTATIVE OF ANY NON-OPERATING EQUIPMENT.
3. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS.
4. TAKE CARE NOT TO DAMAGE EXISTING EQUIPMENT AND REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
5. TEMPORARY SHORE UP EXHAUST FANS, AND FAN UNITS, CONDENSING UNITS. EXTEND DUCT, CONDUIT, ELECTRICAL WIRE, CONTROL WIRING, AND ASSOCIATED PIPE AS REQUIRED. RAISE CURBS, INSTALL NEW P.T. WOOD CURBS TO REQUIRED HEIGHT FROM ROOF DECK, TO BE A MIN. 10" ABOVE NEW ROOF SURFACE. SEE MECHANICAL AND ELECTRICAL SPECIFICATIONS. CONTRACTOR SHALL PLAN BEFORE COMMENCING THE WORK AND COORDINATE ANY INTERRUPTION OF FACILITY OPERATIONS WITH THE OWNER'S REPRESENTATIVE.

GENERAL PLUMBING NOTES

1. PRIOR TO BIDDING, FIELD VERIFY ALL PLUMBING MODIFICATIONS, VENT AND DRAIN FOR ROOFING WORK.
2. PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS.
3. TAKE CARE NOT TO DAMAGE EXISTING EQUIPMENT AND REPAIR TO MATCH EXISTING CONDITIONS, AS REQUIRED.
4. EXTEND PLUMBING VENTS OR VTRS TO ABOVE NEW ROOF AS REQUIRED. INSTALL NEW VTR PIPE TO 10' HEIGHT ABOVE NEW ROOF ELEVATION. CONTRACTOR SHALL PLAN BEFORE COMMENCING THE WORK AND COORDINATE ANY INTERRUPTION OF FACILITY OPERATIONS WITH THE OWNER.
5. CONTRACTOR SHALL SUBMIT PROPOSED DRAINAGE SYSTEM ROUTE/PLAN AND VERIFY THERE ARE NO OBSTRUCTIONS TO PREVENT REQUIRED SLOPE/FALL.

RENOVATION NOTES

1. AFTER TEAR-OFF OF EXISTING INSULATION AND ROOFING SYSTEMS AND FLASHINGS, CLEAN THE EXISTING METAL DECK. THE CONTRACTOR SHALL IDENTIFY AND LOCATE RUSTED METAL ROOF PANELS. ALL RUSTED AREAS ARE TO BE WIRE BRUSHED, HAND ABRADED, CLEANED AND TREATED WITH RUST PREVENTIVE PRIMER. BASE BID TO INCLUDE 8,000 SF OF RUSTED AREA TO BE REPAIRED AS DESCRIBED. THE CONTRACTOR TO PROVIDE ADDITIVE/DEDUCTIVE UNIT COST PER SQUARE FOOT AND NOTIFY THE PROJECT ARCHITECT OF ANY SEVERELY RUSTED METAL ROOF PANELS IDENTIFIED AS STRUCTURALLY UNSTABLE. THOSE PANELS ARE TO BE CLEARLY MARKED FOR REMOVAL AND REPLACEMENT WITH NEW 22 GAUGE GALVANIZED METAL PANELS. BASE BID TO INCLUDE REPLACING 4,000 SF DETERIORATED PANELS. CONTRACTOR TO PROVIDE ADDITIVE/DEDUCTIVE UNIT COST PER 10 SQUARE FOOT FOR REPLACING SEVERELY RUSTED METAL PANELS.
2. RAISE ALL EQUIPMENT SO THAT CURBS, PIPING, EXPANSION JOINTS, OR TOPS OF FLASHING ARE A MINIMUM OF 10" ABOVE THE FINISHED ROOF. REPLACE ANY DAMAGED NAILERS/BLOCKING AND INSTALL P.T. 2x NAILERS/BLOCKING AT EQUIPMENT CURBS, AS DETAILED.
3. CONTRACTOR TO ENSURE ALL EXISTING DOWNLEADER PIPES ARE OPERATIONAL, SEALED AND FREE FLOWING. INSTALL NEW ROOF DRAIN BOWLS WITH STAINLESS STEEL BOLTS TO BE CLAMPED AND ANCHORED TO THE ROOF DECK. CONNECT TO EXISTING SYSTEM WITHOUT HUB COUPLINGS. CLEAN, PRIME AND PAINT TWO (2) COATS, ROOF DRAIN, CLAMPING RINGS AND METAL BASKET STRAINERS WITH PREMIUM ACRYLIC PAINT.
4. MECHANICALLY FASTEN A 2" BASE LAYER AND FOAM ADHERE A 1/4" PER FOOT TAPERED RIGID ISOCYANURATE INSULATION BOARD SYSTEM OVER EXISTING STRUCTURAL DECKS. PROVIDE MIN. R-25 AVERAGE INSULATION R-VALUE TO MEET FBC WIND UPLIFT CRITERIA. FULLY ADHERE MIN. 1/2" GYPSUM COVER BOARD OVER TAPERED INSULATION WITH MANUFACTURER APPROVED LOW RISE FOAM ADHESIVE. SYSTEM TO BE APPROVED BY ROOFING MANUFACTURER.
5. INSTALL 2-PLY UL CLASS 'A' MODIFIED BITUMEN INTERPLY MEMBRANE ROOFING AND FLASHING SYSTEM OVER THE INSTALLED INSULATION SYSTEM ACCORDING TO ROOFING MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. INSTALL LIQUID APPLIED FLASHING AT ALL VTRs AND ROOF PIPE PENETRATIONS.
6. FULLY ADHERE 60 MIL KEYTONE ETHYLENE ESTER (KEE) MEMBRANE ROOFING AND 60 MIL KEE FLASHING SYSTEM WITH MANUFACTURER'S LOW VOC ADHESIVE TO MEET UL CLASS A RATING AND FM 1-90. SRI SHALL NOT BE LESS THAN 78 WHEN CALCULATED ACCORDING TO ASTM 1980 INITIAL. USE A HEAVY ROLLER TO ENSURE PROPER ADHESIVE DISPLACEMENT AND HEAT WELD SEAMS AND LAPS AS REQUIRED AND RECOMMENDED BY KEE MANUFACTURER.
7. ATTACH MANUFACTURER'S COATED EDGE METAL WITH HEMMED DRIP EDGE TO MEET ANSI/ SPRI ES-1 REQUIREMENTS AT PERIMETER ROOF EDGES AND PARAPET WALLS, AS REQUIRED. INSTALL PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT SYSTEM. SEAL ALL GUTTER JOINTS AND CONNECTIONS WITH PREMIUM SILICONE SEALANT. ANCHOR DOWNSPOUT TO THE EXTERIOR WALL AT THE TOP, MIDDLE AND BOTTOM. INSTALL CONCRETE SPLASH BLOCK AT DOWNSPOUT OUTFALLS. OMIT SPLASH BLOCKS IN PEDESTRIAN TRAVEL PATHS TO AVOID TRIP HAZARD.
8. INSTALL 60 MIL KEE FLASHING AT ROOFTOP EQUIPMENT CURBS AND WALL BASES AND HEAT WELD ALL SEAM AND LAPS AS REQUIRED. INSTALL TERMINATION BAR AT TOP OF FLASHING WITH FASTENERS 8" O.C. INSTALL MANUFACTURER'S BOOT FLASHING WITH DRAW BAND CLAMPING AT VTRs AND PIPE PENETRATIONS. APPLY MANUFACTURER APPROVED SEALANT TO THE TOP EDGE OF THE KEE FLASHING MEMBRANE. INSTALL PREFINISHED ALUMINUM COUNTERFLASHING TO COVER TERMINATION BAR AND SEAL TOP EDGE WITH PREMIUM SILICONE SEALANT, AS DETAILED. INSTALL KEE FLASHING MEMBRANE UP AND OVER RAISED EXPANSION JOINTS AS DETAILED, HEAT WELD LAPS AND SEAMS, AS REQUIRED.
9. FULLY ADHERE OR HEAT WELD MANUFACTURER'S WALKPAD/ PROTECTIVE MEMBRANE ON EITHER SIDE OF EXHAUST FANS, SERVICEABLE EQUIPMENT, DESIGNATED LADDER LOCATION, AND OBSERVED FOOT TRAFFIC PATHS. INSTALL TO MANUFACTURER'S REQUIREMENT AFTER THE ROOFING MEMBRANE AND FLASHING LAPS AND JOINTS HAVE BEEN INSPECTED AND APPROVED BY THE MANUFACTURER'S TECHNICAL REPRESENTATIVE. WALKPAD COLOR TO CONTRAST THE FINISHED ROOF SURFACE. BASE BID TO INCLUDE 300 SF OF WALKPAD.

ALTERNATE #A:
10. IN LIEU OF INSTALLING THE "HYBRID" KEE ROOFING SYSTEM, INSTALL A "HYBRID" REINFORCED SBS MODIFIED BITUMEN MEMBRANE INTERPLY ROOFING MEMBRANE WITH 80 MIL PVC SINGLE PLY ROOFING SYSTEM WITH 60 MIL FLASHINGS TO MEET FBC AND PROVIDE MANUFACTURER'S 20 YEAR NDL (EDGE TO EDGE) WARRANTY.

ALTERNATE #B:
11. THE WORK INCLUDES PROVIDING TWO PRE-ENGINEERED ALUMINUM MODULAR WALL MOUNTED CONNECTOR BRIDGES WHERE IDENTIFIED, BRIDGING FROM BUILDING 1 TO BUILDING 2 AND FROM BUILDING 1 TO BUILDING 3.

ROOFING ELECTRICAL NOTES

1. PRIOR TO BIDDING, FIELD VERIFY ALL ELECTRICAL MODIFICATIONS FOR ROOFING WORK.
2. CONTRACTOR SHALL INITIALLY TEST ALL APPLICABLE ELECTRICAL SYSTEMS WITHIN 14 DAYS OF NTP. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT OF NON-OPERATIONAL SYSTEMS.
3. DISCONNECT, REROUTE, EXTEND AND RECONNECT CONDUITS TO ALLOW FOR ELECTRICAL, TELECOMMUNICATION/ DATA CONNECTION TO RELOCATE EQUIPMENT AT NEW ROOF AS DETAILED. PROVIDE NEW CONDUIT AND WIRE FROM THE EXISTING JUNCTION BOX TO THE CONNECTION POINT.
4. CONTRACTOR SHALL, UPON COMPLETION OF WORK, ENSURE ALL CIRCUITS ADJACENT TO THE ROOFING WORK AREAS ARE IN PROPER WORKING CONDITIONS.
5. CONTRACTOR SHALL COORDINATE WORK WITH ELECTRICAL WORK. CONTRACTOR SHALL REROUTE ALL ROOFTOP CONDUIT ELECTRICAL, CONTROL, TELEPHONE, AND COMMUNICATION CABLE SERVICE ABOVE NEW ROOF SYSTEM AS REQUIRED. VERIFY AND CONFIRM WITH OWNER TO REMOVE ALL ABANDONED ELECTRICAL, TELEPHONE, AND COMMUNICATION CABLE SERVICE ABOVE EXISTING ROOF. CONDUIT TO BE SUPPORTED ON PILLOW BLOCK PIPE SUPPORT AT 4' O.C. OVER NEW ROOF.

LEGEND

- ROOF PERIMETER WITH GUTTER AND DOWNSPOUT SYSTEM
- EXHAUST FAN (EF)
- ROOF DRAIN (RD)
- VTR
- WALK THREAD
- EXPANSION JOINT (EJ)
- GOOSENECK VENT (GOOSE)
- RAISED MECHANICAL EQUIPMENT STAND (PR, RP, PL, LP)
- SLOPE
- PHOTO MARKER (1/A700) — PHOTO # / SHEET #
- CRICKET
- CAPPED ROOF CURB (CAP)
- SECTION # (5000) — SHEET # — LOW/HIGH
- 1 — WORK LEGEND NOTE
- N.I.C. — NOT IN CONTRACT

WORK NOTES

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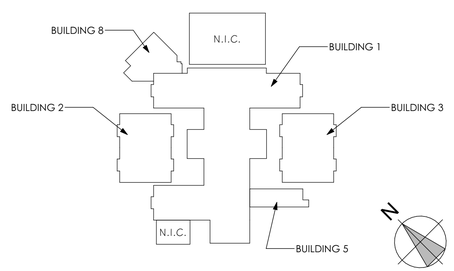
2. ATTACH COATED EDGE METAL WITH HEMMED DRIP EDGE TO MEET ANSI/ SPRI ES-1 REQUIREMENTS AT PERIMETER ROOF EDGES AND PARAPET WALLS, AS REQUIRED. INSTALL PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT SYSTEM. SEAL ALL GUTTER JOINTS AND CONNECTIONS WITH PREMIUM SILICONE SEALANT. ANCHOR DOWNSPOUT TO THE EXTERIOR WALL AT THE TOP, MIDDLE AND BOTTOM.
3. RAISE ALL EQUIPMENT SO THAT CURBS, PIPING, EXPANSION JOINTS, OR TOPS OF FLASHING ARE A MINIMUM OF 10" ABOVE THE FINISHED ROOF.
4. INSTALL NEW, PRIME AND PAINT 2 COATS ROOF DRAIN BOWL CLAMPING RINGS AND METAL BASKETS STRAINER. REPLACE EXISTING BOLT WITH STAINLESS STEEL BOLT.
5. INSTALL 60 MIL KEE FLASHING AT ROOFTOP EQUIPMENT CURBS AND WALL BASES AND HEAT WELD ALL SEAM AND LAPS AS REQUIRED. INSTALL TERMINATION BAR AT TOP OF FLASHING WITH FASTENERS 8" O.C. INSTALL MANUFACTURER'S BOOT FLASHING WITH DRAW BAND CLAMPING AT VTRs AND PIPE PENETRATIONS. APPLY MANUFACTURER APPROVED SEALANT TO THE TOP EDGE OF THE FLASHING MEMBRANE. INSTALL PREFINISHED ALUMINUM COUNTERFLASHING TO COVER TERMINATION BAR AND SEAL TOP EDGE WITH PREMIUM SILICONE SEALANT, AS DETAILED.
6. INSTALL KEE FLASHING MEMBRANE UP AND OVER RAISED EXPANSION JOINTS AS DETAILED, HEAT WELD LAPS AND SEAMS AS REQUIRED. INSTALLED PREFINISHED METAL EXPANSION JOINT CAP WITH SEALED JOINT COVERS.

KEY PLAN (N.T.S.)



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LEON COUNTY SCHOOLS
TALLAHASSEE, FLORIDA

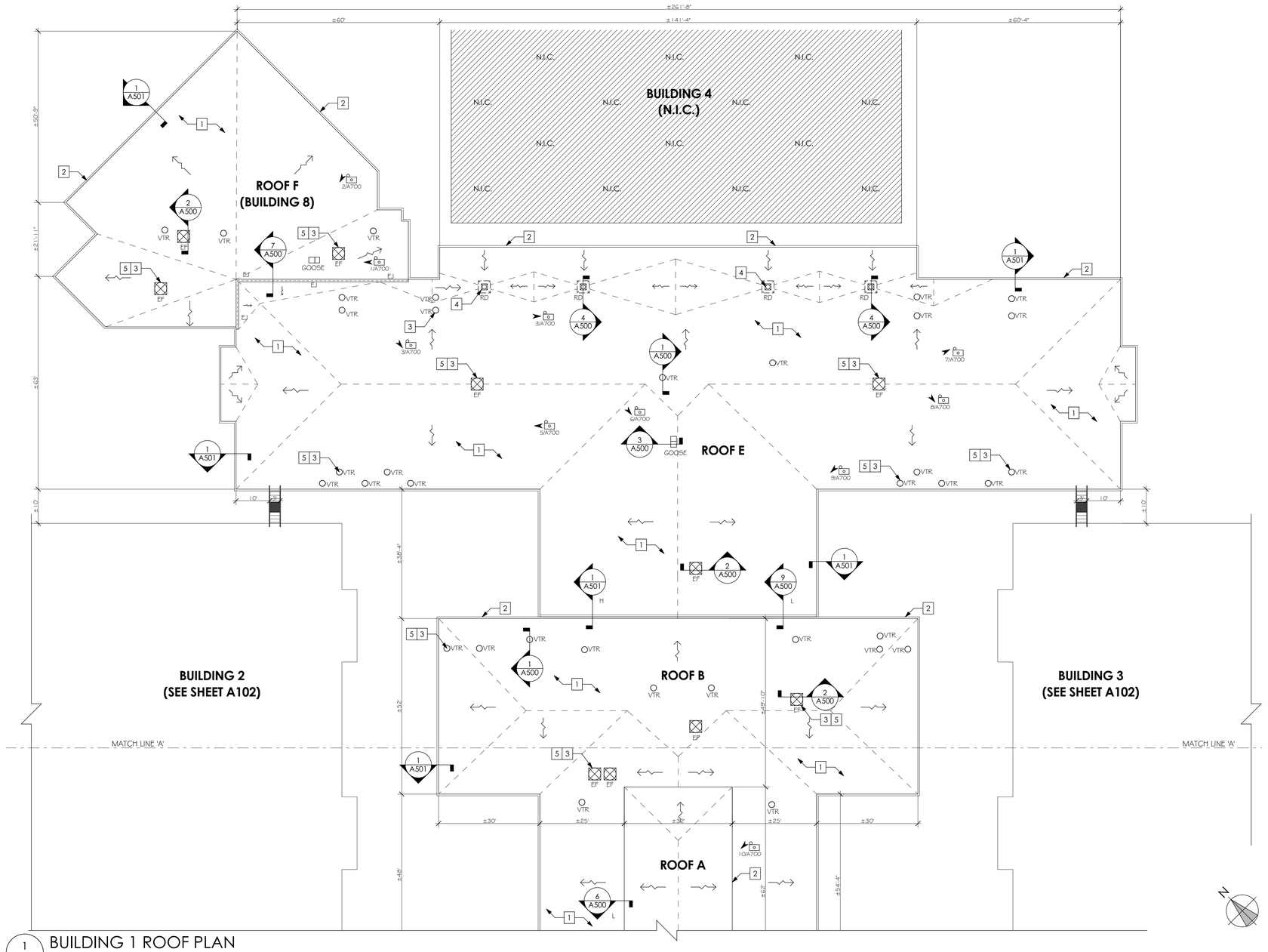
CONSTRUCTION DOCUMENTS

PROJ. NO.	156122
DATE	05/17/2022
DRAWN	LH
CHECKED	RB
APPROVED	JS
REVISION	
REVISION DATE	

ROOFING SCHEDULES & NOTES

A000

NOTE: WALK TREAD NOT SHOWN FOR DRAWING CLARITY. WALK TREAD TO BE INSTALLED AT SERVICEABLE SIDE OF EXHAUST FANS ROOFTOP MECHANICAL EQUIPMENT AND THE OWNER'S DESIGNATED ACCESS LOCATION



1 A100 BUILDING 1 ROOF PLAN

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

0 8' 16' 32'

LEGEND

- ROOF PERIMETER WITH GUTTER AND DOWNSPOUT SYSTEM
- EXHAUST FAN (EF)
- ROOF DRAIN (RD)
- VTR
- WALK THREAD
- EXPANSION JOINT (EJ)
- GOOSENECK VENT (GOOSE)
- RAISED MECHANICAL EQUIPMENT STAND (PR, PP)
- SLOPE
- PHOTO MARKER — PHOTO # / SHEET # (e.g. 1/A700)
- CRICKET
- CAPPED ROOF CURB (CAP)
- SECTION # / SHEET # / LOW/HIGH (e.g. 1/A500 L)
- 1 WORK LEGEND NOTE
- N.I.C. NOT IN CONTRACT

WORK NOTES

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2. ATTACH COATED EDGE METAL WITH HEMMED DRIP EDGE TO MEET ANSI/ SPRI ES-1 REQUIREMENTS AT PERIMETER ROOF EDGES AND PARAPET WALLS, AS REQUIRED. INSTALL PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT SYSTEM. SEAL ALL GUTTER JOINTS AND CONNECTIONS WITH PREMIUM SILICONE SEALANT. ANCHOR DOWNSPOUT TO THE EXTERIOR WALL AT THE TOP, MIDDLE AND BOTTOM.

3. RAISE ALL EQUIPMENT SO THAT CURBS, PIPING, EXPANSION JOINTS, OR TOPS OF FLASHING ARE A MINIMUM OF 10" ABOVE THE FINISHED ROOF.

4. INSTALL NEW, PRIME AND PAINT 2 COATS ROOF DRAIN BOWL CLAMPING RINGS AND METAL BASKETS STRAINER. REPLACE EXISTING BOLT WITH STAINLESS STEEL BOLT.

5. INSTALL 60 MIL KEE FLASHING AT ROOFTOP EQUIPMENT CURBS AND WALL BASES AND HEAT WELD ALL SEAM AND LAPS AS REQUIRED. INSTALL TERMINATION BAR AT TOP OF FLASHING WITH FASTENERS 8" O.C. INSTALL MANUFACTURER'S BOOT FLASHING WITH DRAW BAND CLAMPING AT VTRs AND PIPE PENETRATIONS. APPLY MANUFACTURER APPROVED SEALANT TO THE TOP EDGE OF THE FLASHING MEMBRANE. INSTALL PREFINISHED ALUMINUM COUNTERFLASHING TO COVER TERMINATION BAR AND SEAL TOP EDGE WITH PREMIUM SILICONE SEALANT, AS DETAILED.

6. INSTALL KEE FLASHING MEMBRANE UP AND OVER RAISED EXPANSION JOINTS AS DETAILED. HEAT WELD LAPS AND SEAMS AS REQUIRED. INSTALLED PREFINISHED METAL EXPANSION JOINT CAP WITH SEALED JOINT COVERS.

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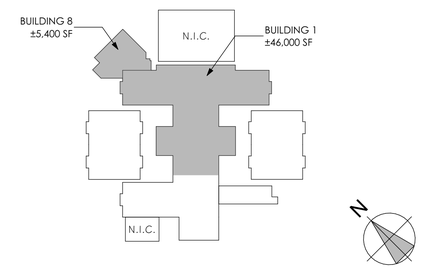

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CONSTRUCTION DOCUMENTS

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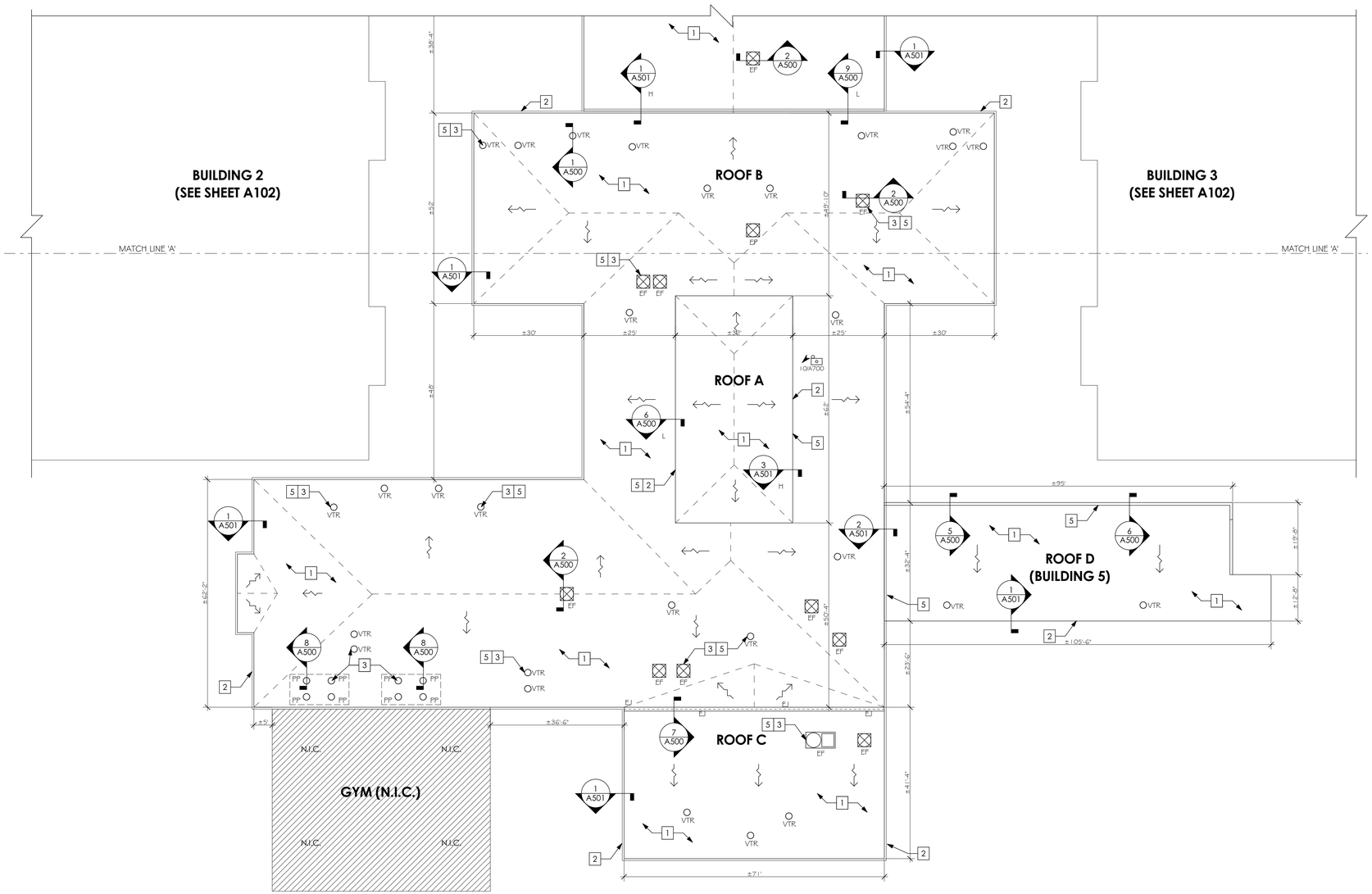
BUILDING 1 ROOF PLAN

A100

NOTE: WALK TREAD NOT SHOWN FOR DRAWING CLARITY. WALK TREAD TO BE INSTALLED AT SERVICEABLE SIDE OF EXHAUST FANS ROOFTOP MECHANICAL EQUIPMENT AND THE OWNER'S DESIGNATED ACCESS LOCATION



1 A101 BUILDING 1 ROOF PLAN

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

0 8' 16' 32'

LEGEND

- ROOF PERIMETER WITH GUTTER AND DOWNSPOUT SYSTEM
- EXHAUST FAN (EF)
- ROOF DRAIN (RD)
- VTR
- WALK THREAD
- EXPANSION JOINT (EJ)
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- PHOTO MARKER — PHOTO # / SHEET # (e.g. 1/A700)
- CRICKET
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- SECTION # / SHEET # / LOW/HIGH (e.g. 1/A500, L)
- 1 — WORK LEGEND NOTE
- N.I.C. — NOT IN CONTRACT

WORK NOTES

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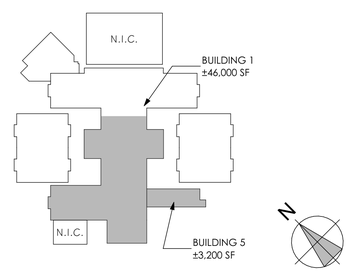
1. TEAR-OFF OF EXISTING INSULATION AND ROOFING SYSTEMS AND FLASHINGS, CLEAN THE EXISTING METAL DECK. MECHANICALLY FASTEN A 2" BASE LAYER AND FOAM ADHERE A 1/4" PER FOOT TAPERED RIGID ISOCYANURATE INSULATION BOARD SYSTEM OVER EXISTING STRUCTURAL DECKS TO PROVIDE MIN. R-25 AVERAGE INSULATION R-VALUE. ADHERE 1/2" GYPSUM COVER BOARD OVER TAPERED INSULATION. INSTALL A MODIFIED BITUMEN INTERPLY MEMBRANE ROOFING AND FLASHING SYSTEM. FULLY ADHERE 60 MIL KEYTONE ETHYLENE ESTER (KEE) MEMBRANE ROOFING AND FLASHING SYSTEM.
2. ATTACH COATED EDGE METAL WITH HEMMED DRIP EDGE TO MEET ANSI/ SPRI ES-1 REQUIREMENTS AT PERIMETER ROOF EDGES AND PARAPET WALLS, AS REQUIRED. INSTALL PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT SYSTEM. SEAL ALL GUTTER JOINTS AND CONNECTIONS WITH PREMIUM SILICONE SEALANT. ANCHOR DOWNSPOUT TO THE EXTERIOR WALL AT THE TOP, MIDDLE AND BOTTOM.
3. RAISE ALL EQUIPMENT SO THAT CURBS, PIPING, EXPANSION JOINTS, OR TOPS OF FLASHING ARE A MINIMUM OF 10" ABOVE THE FINISHED ROOF.
4. INSTALL NEW, PRIME AND PAINT 2 COATS ROOF DRAIN BOWL CLAMPING RINGS AND METAL BASKETS STRAINER. REPLACE EXISTING BOLT WITH STAINLESS STEEL BOLT.
5. INSTALL 60 MIL KEE FLASHING AT ROOFTOP EQUIPMENT CURBS AND WALL BASES AND HEAT WELD ALL SEAM AND LAPS AS REQUIRED. INSTALL TERMINATION BAR AT TOP OF FLASHING WITH FASTENERS 8" O.C. INSTALL MANUFACTURER'S BOOT FLASHING WITH DRAW BAND CLAMPING AT VTRs AND PIPE PENETRATIONS. APPLY MANUFACTURER APPROVED SEALANT TO THE TOP EDGE OF THE FLASHING MEMBRANE. INSTALL PREFINISHED ALUMINUM COUNTERFLASHING TO COVER TERMINATION BAR AND SEAL TOP EDGE WITH PREMIUM SILICONE SEALANT, AS DETAILED.
6. INSTALL KEE FLASHING MEMBRANE UP AND OVER RAISED EXPANSION JOINTS AS DETAILED, HEAT WELD LAPS AND SEAMS AS REQUIRED. INSTALLED PREFINISHED METAL EXPANSION JOINT CAP WITH SEALED JOINT COVERS.

KEY PLAN (N.T.S.)



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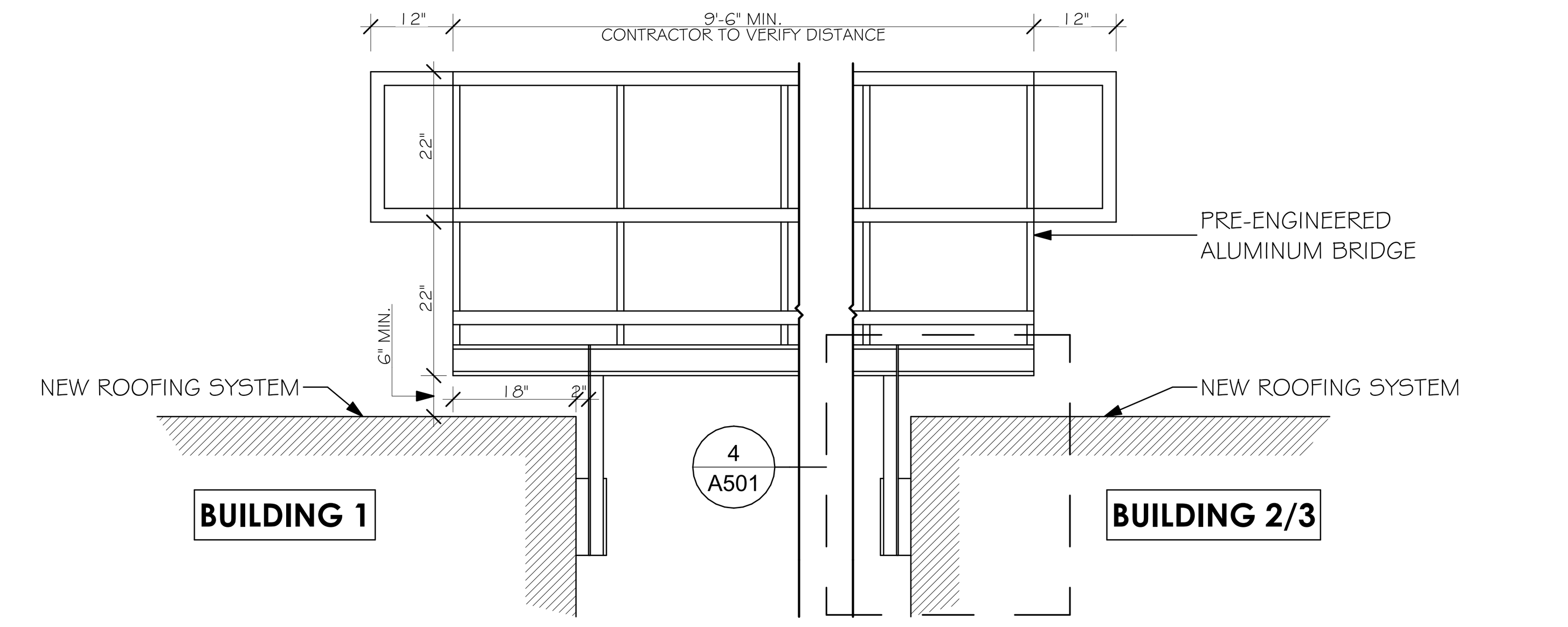
W.T. MOORE ELEMENTARY SCHOOL ROOF
REPLACEMENT BUILDING 1, 2, 3, 5, AND 8
LEON COUNTY SCHOOLS
TALLAHASSEE, FLORIDA

CONSTRUCTION DOCUMENTS

PROJ. NO.	15612.2
DATE	05/17/2022
DRAWN	LH
CHECKED	RB
APPROVED	JS
REVISION	
REVISION DATE	

BUILDING 1 ROOF PLAN

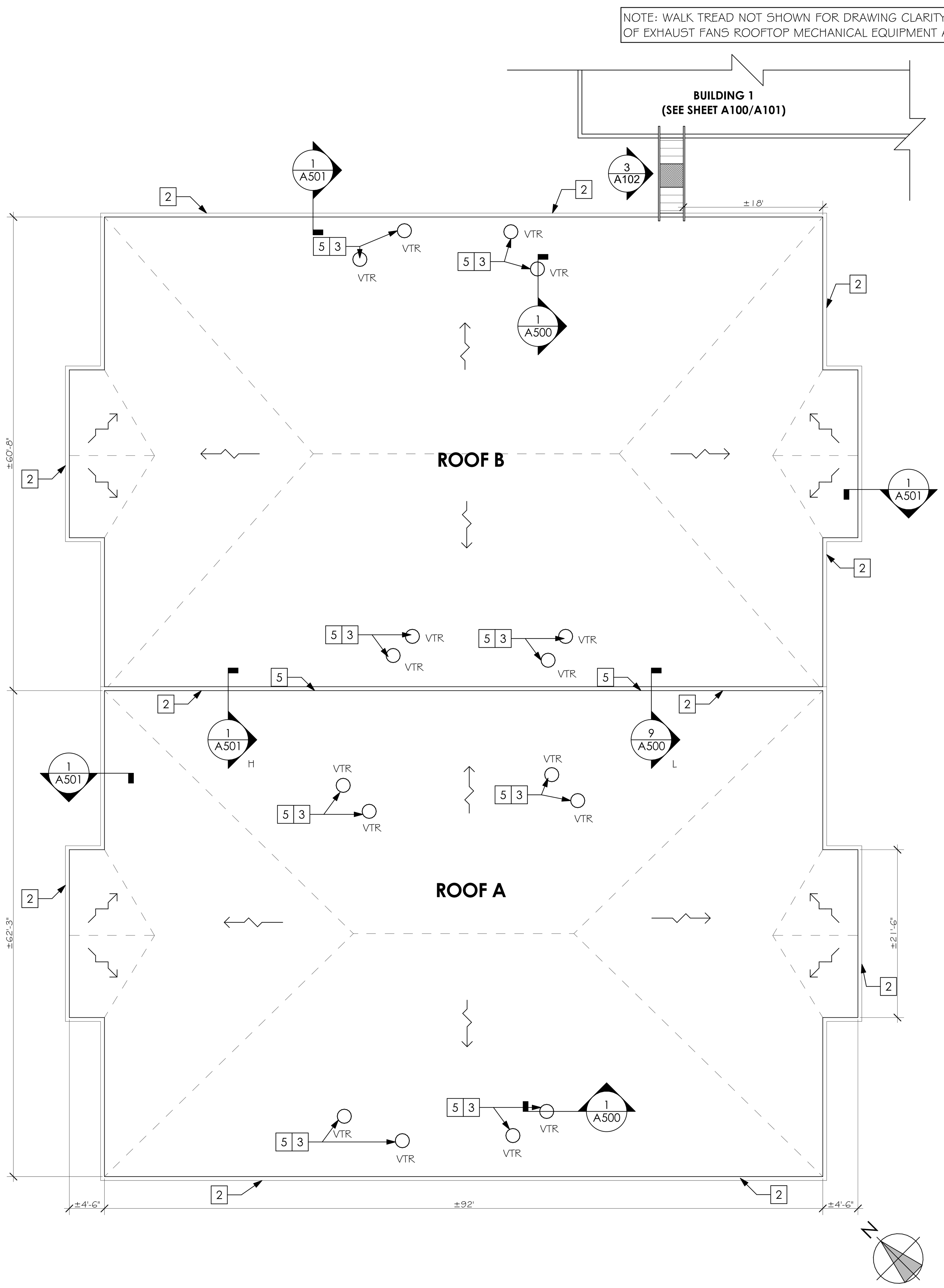
A101



3 / A102 **BRIDGE ELEVATION**

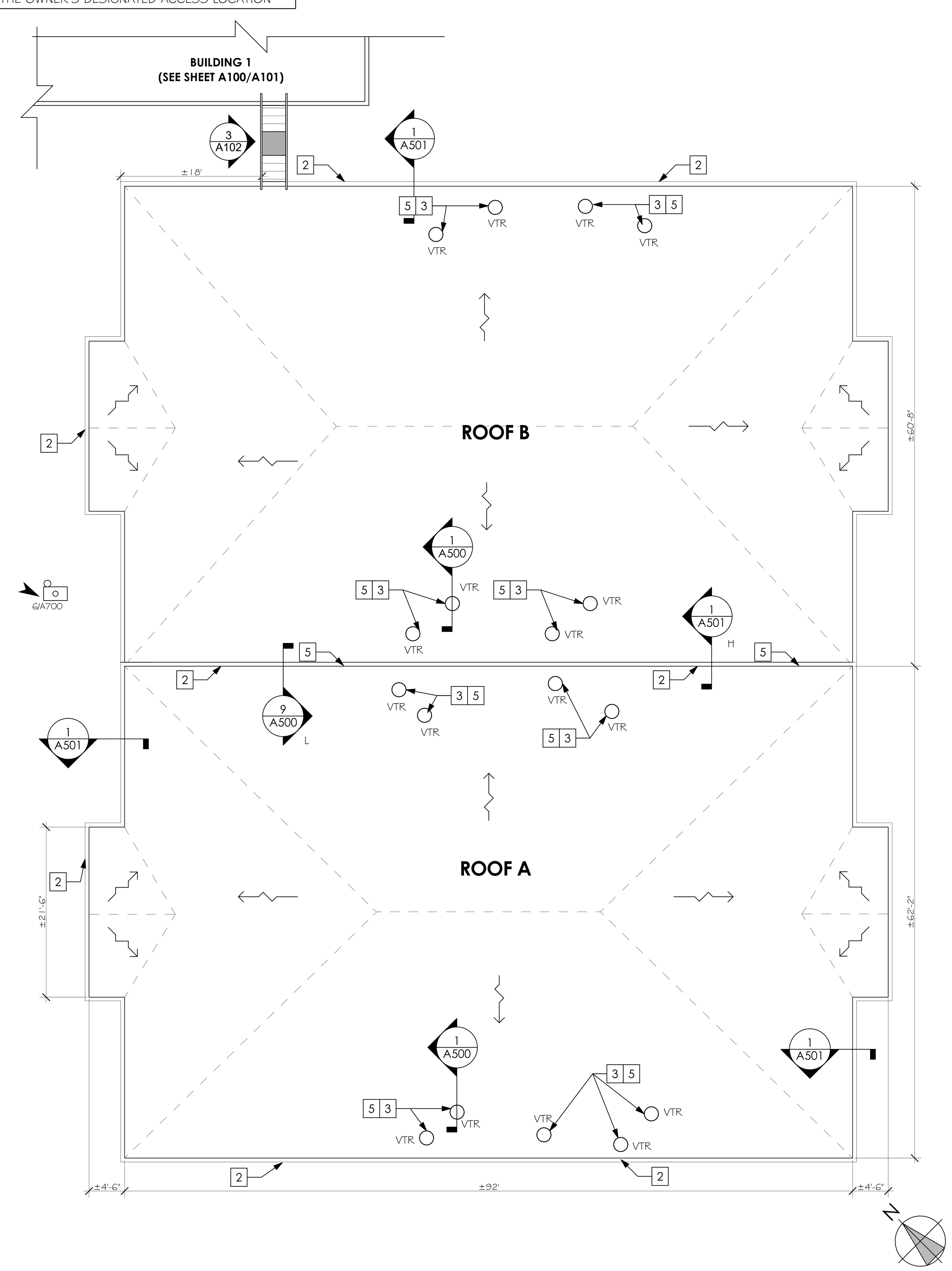
SCALE: 1/2" = 1'-0"

NOTE: WALK TREAD NOT SHOWN FOR DRAWING CLARITY. WALK TREAD TO BE INSTALLED AT SERVICEABLE SIDE OF EXHAUST FANS ROOFTOP MECHANICAL EQUIPMENT AND THE OWNER'S DESIGNATED ACCESS LOCATION



1 / A102 **BUILDING 2 ROOF PLAN**

SCALE: 3/32" = 1'-0"



2 / A102 **BUILDING 3 ROOF PLAN**

SCALE: 3/32" = 1'-0"

LEGEND

- ROOF PERIMETER WITH GUTTER AND DOWNSPOUT SYSTEM
- EXHAUST FAN (EF)
- ROOF DRAIN (RD)
- VTR
- WALK THREAD
- EXPANSION JOINT (EJ)
- GOOSENECK VENT
- RAISED MECHANICAL EQUIPMENT STAND
- SLOPE
- PHOTO MARKER — PHOTO # / SHEET #
- CRICKET
- CAPPED ROOF CURB (CAP)
- SECTION # / SHEET # / LOW/HIGH
- WORK LEGEND NOTE
- N.I.C. — NOT IN CONTRACT

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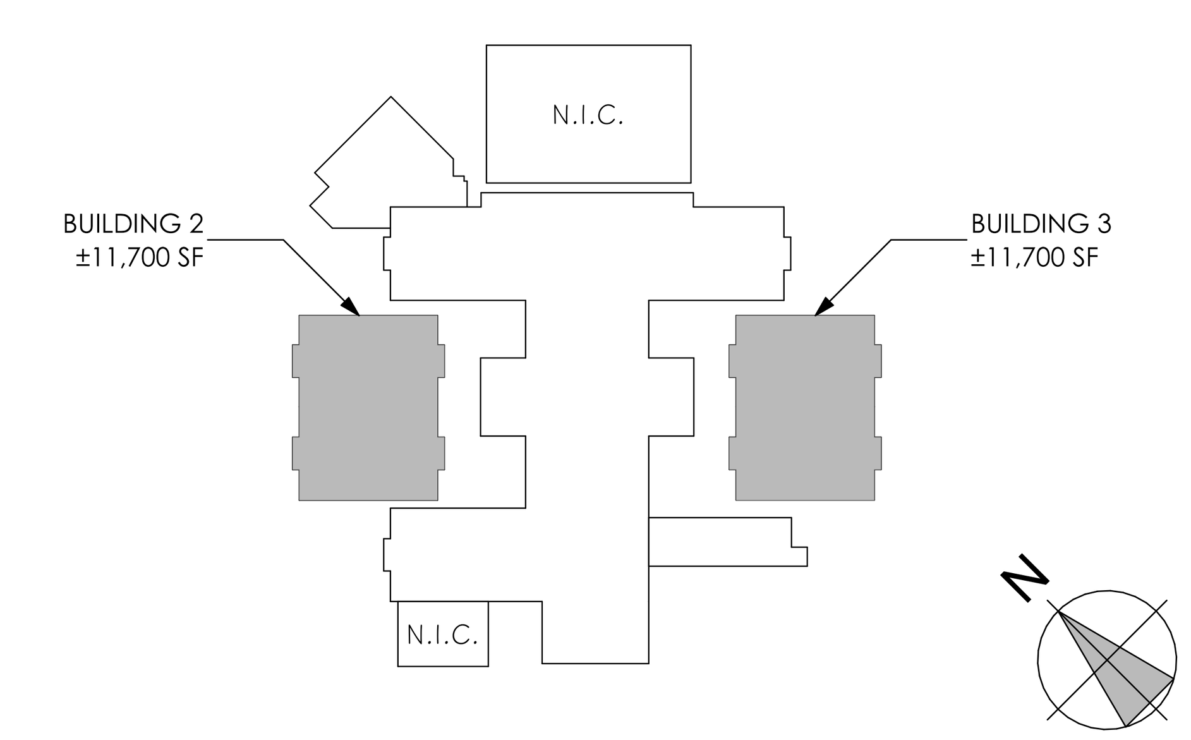

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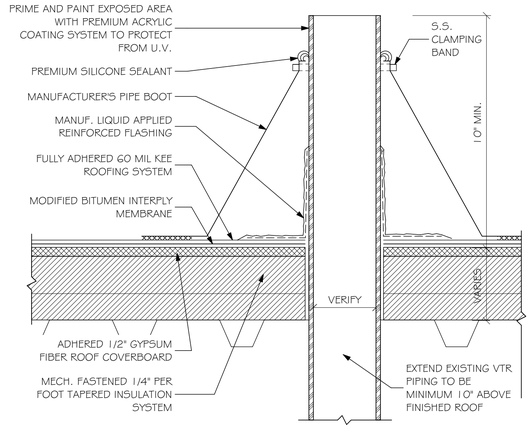
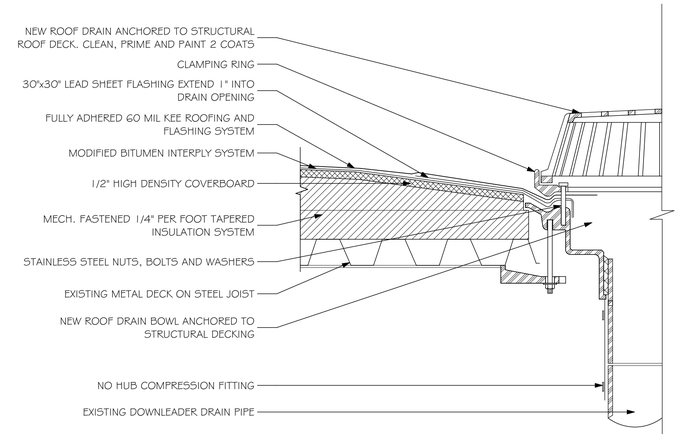
BUILDINGS 2 & 3 ROOF PLANS

A102



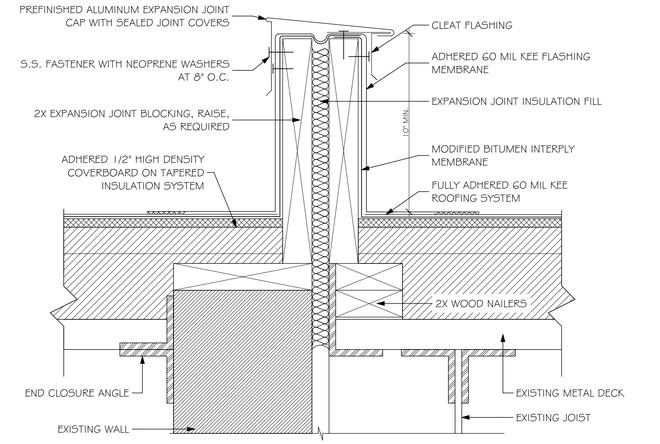
1 A500 VTR DETAIL

SCALE: 3" = 1'-0"



4 A500 ROOF DRAIN DETAIL

SCALE: 3" = 1'-0"



7 A500 EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"

2 A500 EXHAUST FAN DETAIL

SCALE: 3" = 1'-0"

5 A500 PARAPET WALL DETAIL

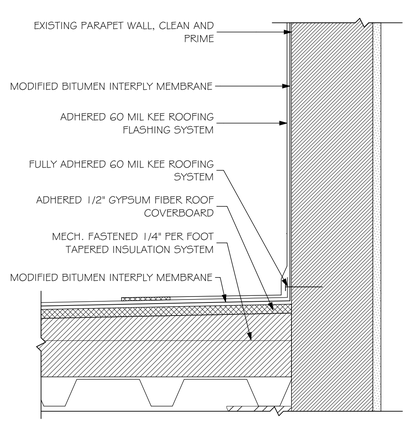
SCALE: 3" = 1'-0"

8 A500 PIPE PENETRATION DETAIL

SCALE: 3" = 1'-0"

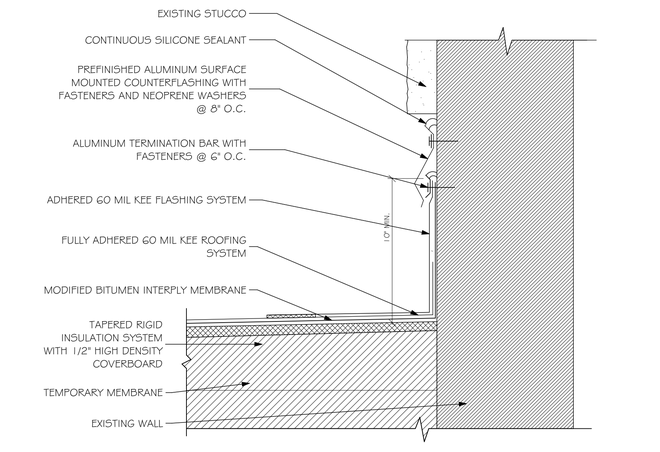
3 A500 GOOSENECK VENT DETAIL

SCALE: 3" = 1'-0"



6 A500 TYPICAL WALL BASE DETAIL

SCALE: 3" = 1'-0"



9 A500 WALL BASE DETAIL

SCALE: 3" = 1'-0"

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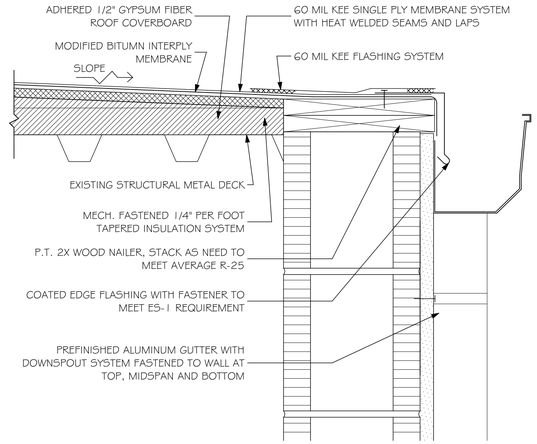
DETAILS

A500



1 A501 EDGE METAL DETAIL

SCALE: 3" = 1'-0"

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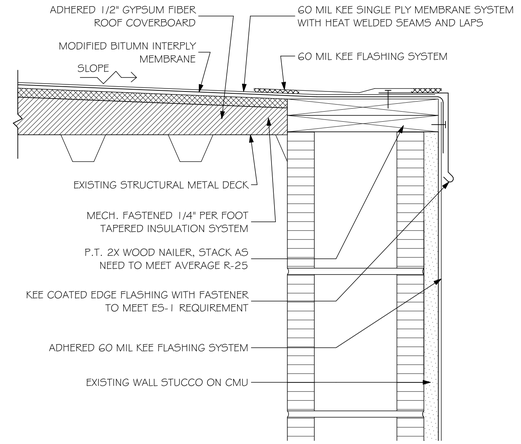
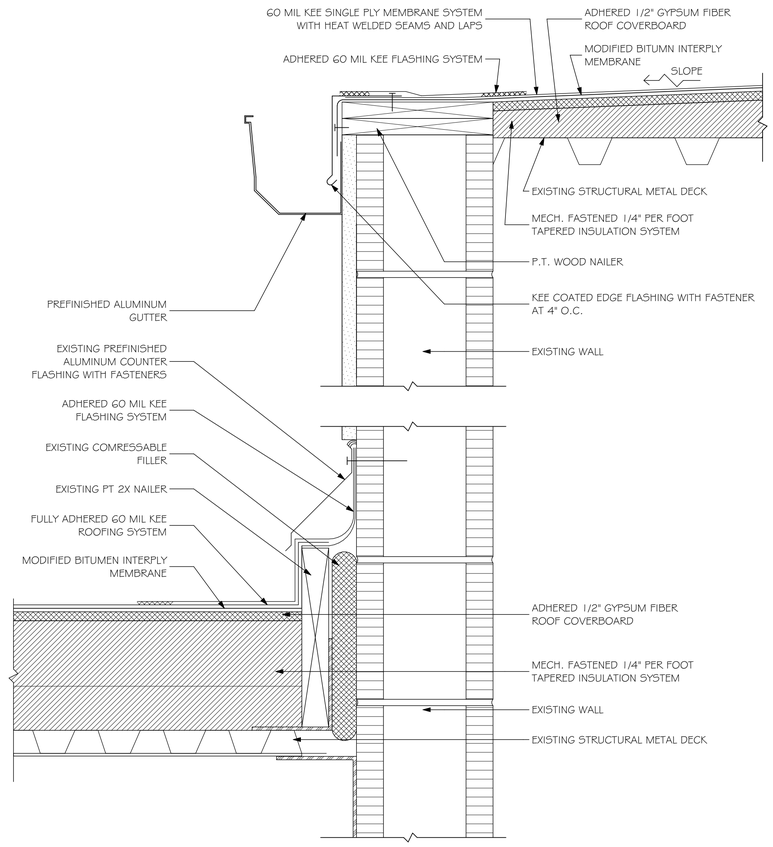


3 A501 EDGE DETAIL

SCALE: 3" = 1'-0"

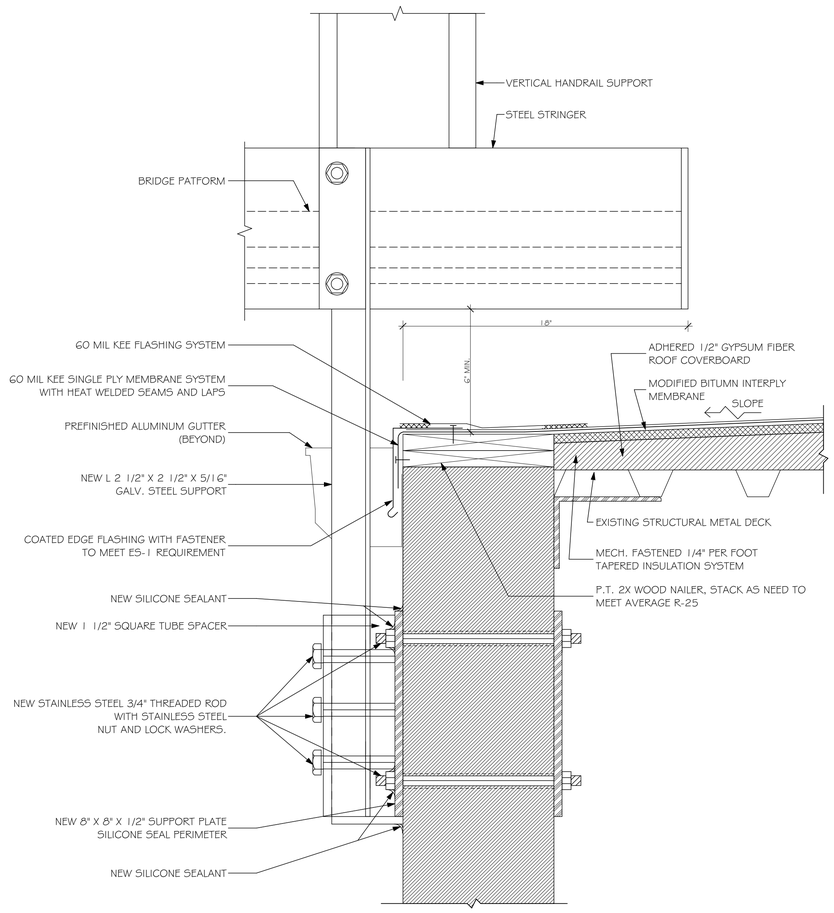
0 3" 6" 9"



2 A501 ROOF TRANSITION

SCALE: 3" = 1'-0"

0 3" 6" 9"



4 A501 BRIDGE ATTACHMENT DETAIL

SCALE: 3" = 1'-0"

0 3" 6" 9"

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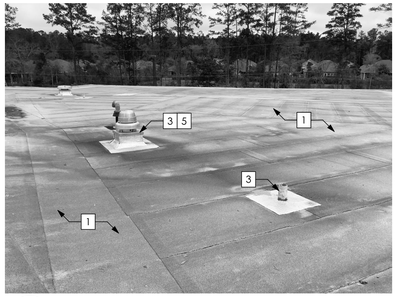

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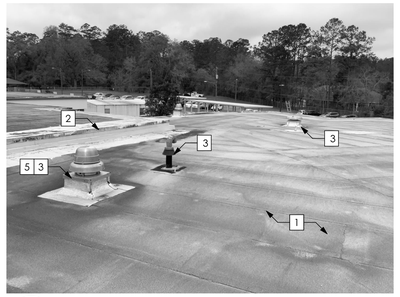

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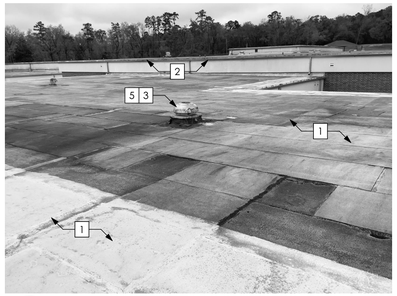
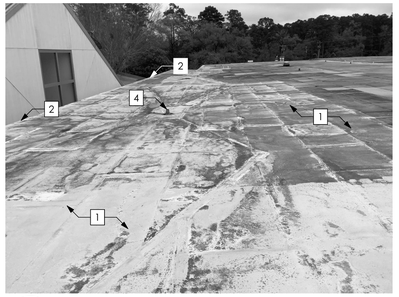
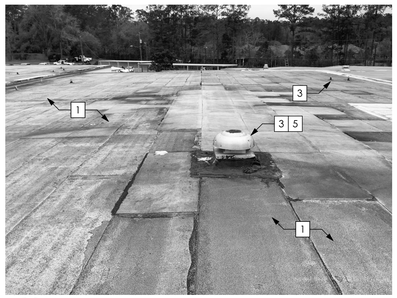


3 A700 PHOTO



4 A700 PHOTO



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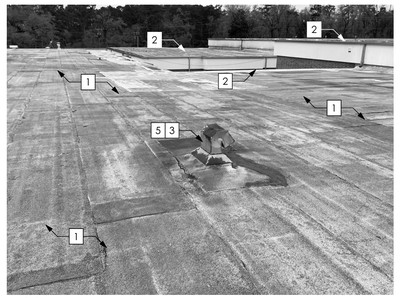

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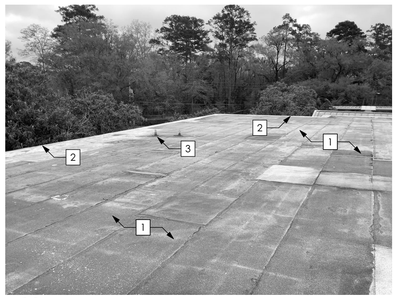

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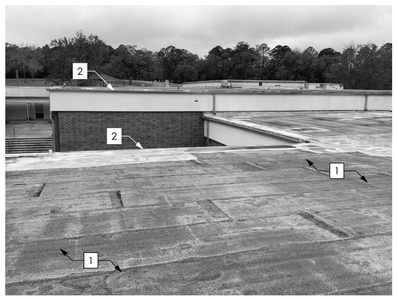

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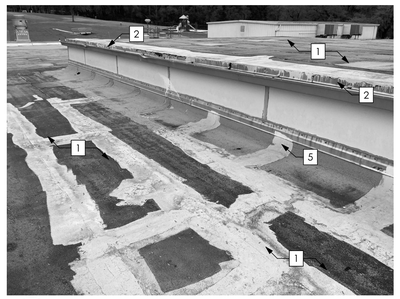

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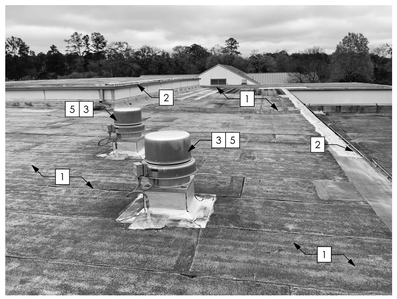

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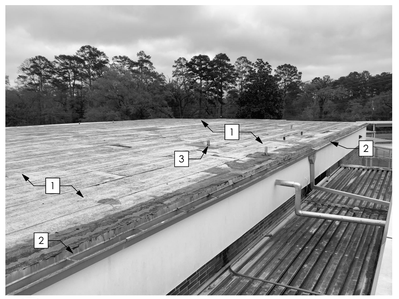

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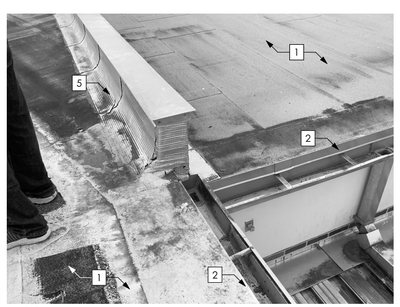

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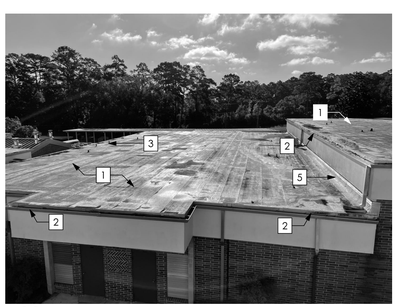

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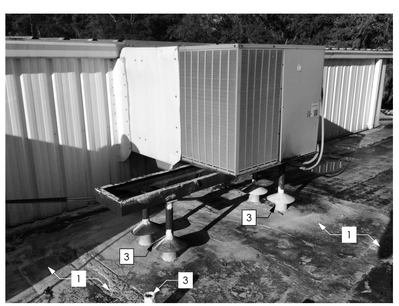

16 A700 PHOTO

LEGEND

- ROOF PERIMETER WITH GUTTER AND DOWNSPOUT SYSTEM
- EXHAUST FAN (EF)
- ROOF DRAIN (RD)
- VTR
- WALK THREAD
- EXPANSION JOINT (EJ)
- GOOSENECK VENT (GOOSE)
- RAISED MECHANICAL EQUIPMENT STAND (RTU, EP)
- SLOPE
- PHOTO MARKER — PHOTO # / SHEET # (1/A700)
- CRICKET
- CAPPED ROOF CURB (CAP)
- SECTION # / SHEET # / LOW/HIGH (5/A500, L)
- 1 WORK LEGEND NOTE
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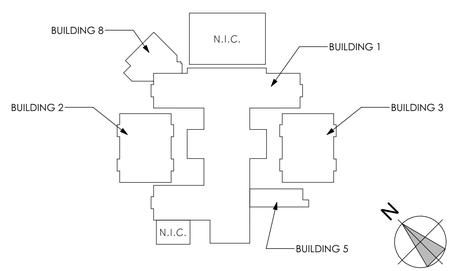

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PHOTOS

A700