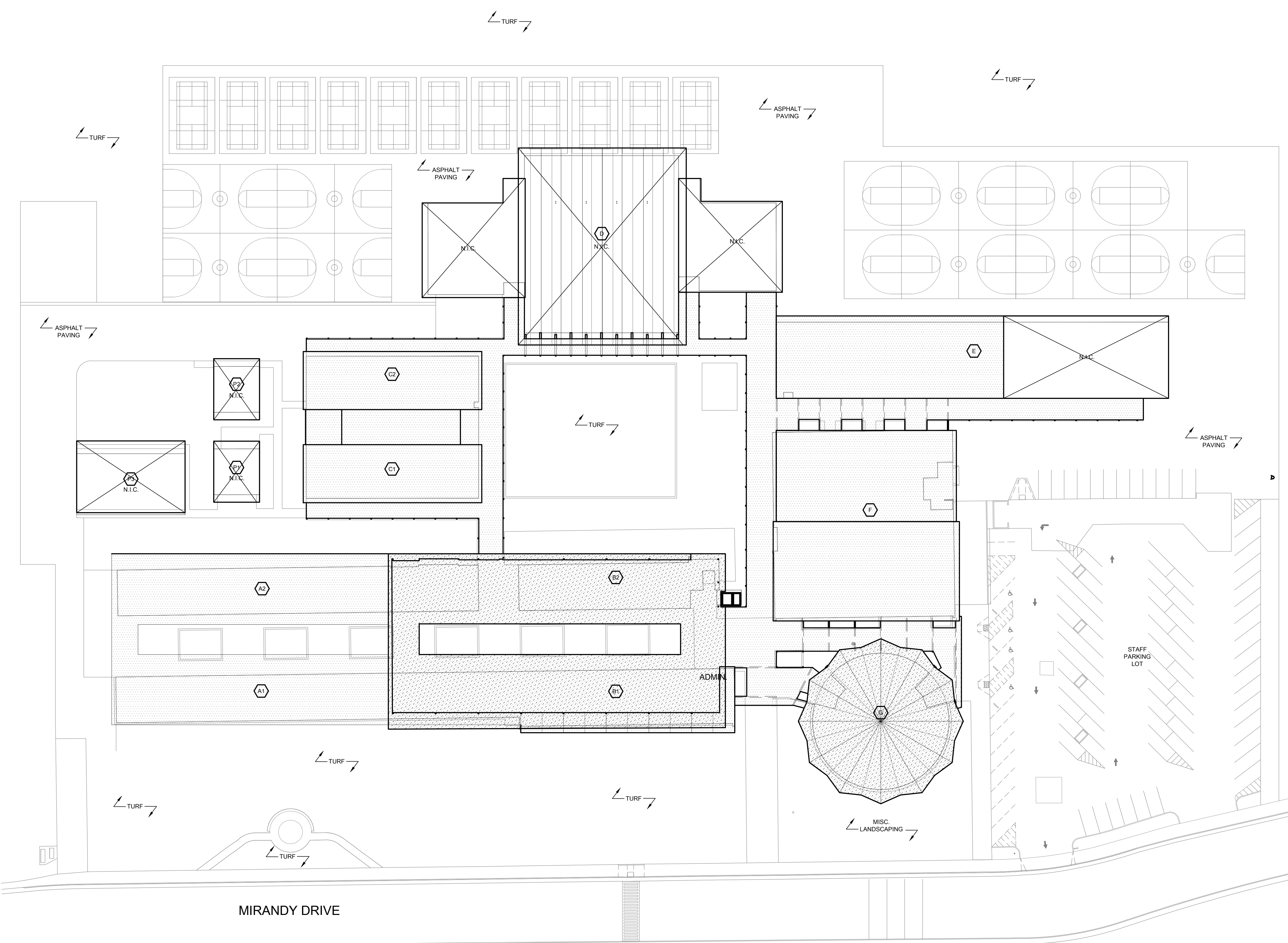


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 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



LEGEND:
 APPLIES TO THIS SHEET ONLY

NEW SINGLE PLY ROOF SYSTEM.

NEW BUILT-UP ROOFING SYSTEM.

ALBERT EINSTEIN MIDDLE SCHOOL
 RE-ROOF PROJECT

9325 MIRANDY DR
 SACRAMENTO, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

CONSULTANT

nacht&lewis
 600 Q Street, Suite 100
 Sacramento, CA 95811
 www.nachtlewis.com
 916.329.4000

ARCHITECT

RENEWAL DATE: 03/21/2023
 STATE OF CALIFORNIA

ARCHITECT

BID SET

REVISIONS

NO.	DESCRIPTION	DATE

BUILDING DATA:

BUILDING NAME	USE	O.C.C.	TYPE	ACTUAL AREA	ORIGINAL DSA NO.
A1	CLASSROOMS	CLASSROOMS	E-1 II-N	6,000	25660
A2	CLASSROOMS	CLASSROOMS	E-1 II-N	6,000	25660
B1	CLASSROOMS	CLASSROOMS	E-1 II-N	9,240	25660
B2	ADMINISTRATION	ADMINISTRATION	E-1/B2 II-N	8,400	25660
C1	CLASSROOMS	CLASSROOMS	E-1 II-N	3,000	25660
C2	CLASSROOMS	CLASSROOMS	E-1 II-N	3,000	25660
D	GYMNASIUM	ASSEMBLY	A-1 II-N	23,800	24342
E	CLASSROOMS	CLASSROOMS	E-1 II-N	12,820	24342
F	MULTIPURPOSE	ASSEMBLY	A-1 II-N	13,860	24342
G	MUSIC BUILDING	CLASSROOMS	E-1 II-N	5,720	25660
P1	PORTABLE 1	CLASSROOMS	E-1 V-N	900	02-105115
P2	PORTABLE 2	CLASSROOMS	E-1 V-N	900	02-105115
P3	PORTABLE 3	CLASSROOMS	E-1 V-N	2,840	02-105115

TOTAL SQUARE FOOTAGE: 96,280

26 OVERALL SITE PLAN
 SCALE: 1" = 30'-0"

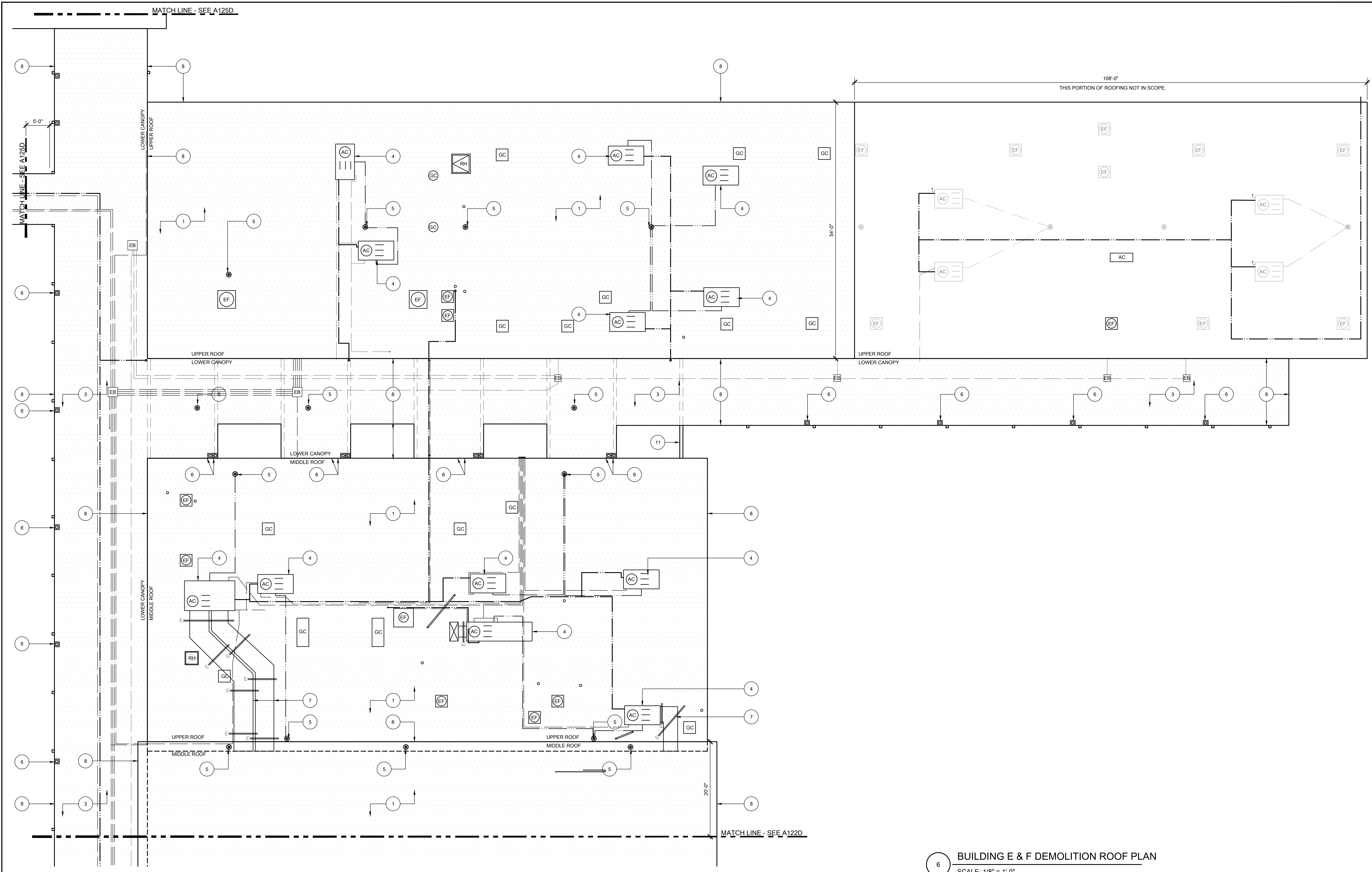
DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

OVERALL SITE PLAN

SHEET NO.

A100

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 ONE INCH = TWENTY FEET



6 BUILDING E & F DEMOLITION ROOF PLAN
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

- ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
- EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
- DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
- EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
- REMOVE EXISTING ROOF-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYNOTES:

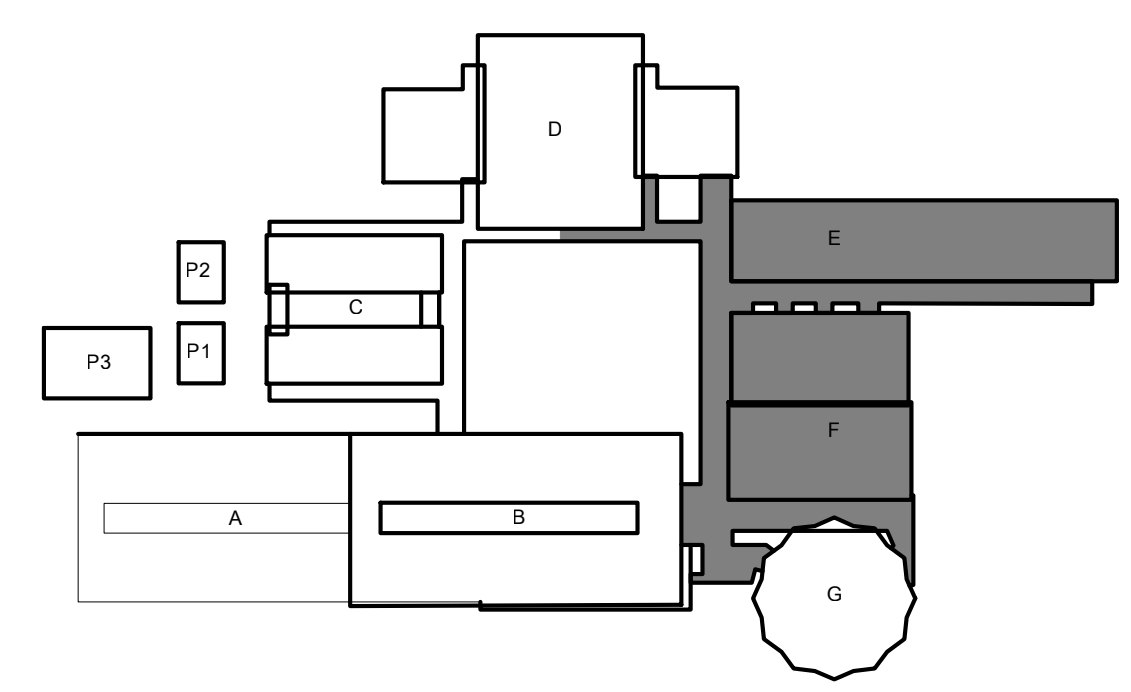
- ALL KEYNOTES MAY NOT BE USED.
- AT MAIN CAMPUS BUILDINGS AND GYM ROOF VALLEY ROOF CORE; REMOVE (E) ROOF SYSTEM DOWN TO CONCRETE OVER METAL PAN DECKING STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1 1/2" PERLITE COVERBOARD OVER
 - LIGHTWEIGHT CONCRETE OVER METAL PAN DECKING (STRUCTURE).
 - NOT USED.
 - AT CANOPY ROOF: REMOVE (E) ROOF SYSTEM DOWN TO METAL DECK STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1 1/2" PERLITE COVERBOARD OVER
 - 1/2" SHEETROCK OVER
 - METAL DECK (STRUCTURE).
 - (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE (E) ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE EXISTING FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR TWO (2) WHIPS PER UNIT.
 - (E) THROUGH-ROOF DRAIN BODY TO REMAIN. CAREFULLY DEMO ROOFING MATERIAL FROM DRAIN BODY. CLEAN DRAIN BODY TO REMOVE ALL (E) MATERIAL. CHASE ALL STRAINER BASKET MOUNTING HOLES.

LEGEND:

- EXISTING THROUGH-ROOF NIPPLE OUTLET WITH SCUPPER BOX. REMOVE EXISTING NIPPLE OUTLET. EXISTING SCUPPER BOX AND RAIN WATER LEADER TO REMAIN.
- (E) ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING.
- REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF ROOF.
- REMOVE EXISTING FRESH AIR LOUVER AND REPLACE WITH NEW. SEE NEW WORK PLAN.
- REMOVE EXISTING FASCIA-MOUNTED GUTTER. EXISTING RAIN WATER LEADER TO REMAIN.
- EXISTING I-BEAMS TO REMAIN. REMOVE ROOFING DOWN TO I-BEAM AND PREPARE TO RECEIVE NEW ROOFING SYSTEM.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL OR SINGLE PLY SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE DAMAGED FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR FOUR(4) WHIPS PER UNIT.
- (E) ROOF HATCH. REMOVE AND REINSTALL. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.

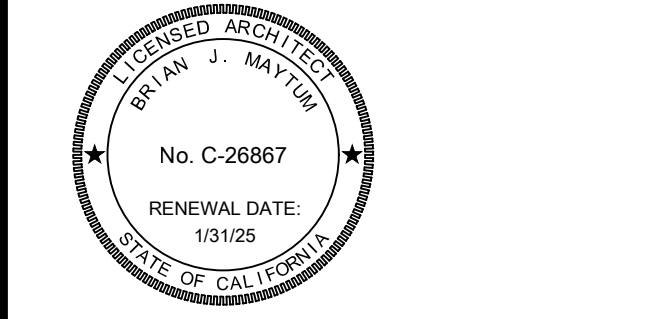
- EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. SIZE VARIES. FIELD VERIFY.
- EXISTING EXHAUST FAN. DISCONNECT, REMOVE, AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM EXISTING CURB. SIZE VARIES. FIELD VERIFY.
- DEMO ABANDONED SHEET METAL CAP OVER RAISED CURB. REMOVE FASTENERS AND BLOCKING AND REMOVE ROOFING SYSTEM FROM CURB. PATCH ROOF OPENING TO MATCH ADJACENT ROOFING SYSTEM. SIZE VARIES. FIELD VERIFY.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) RELIEF VENT. REMOVE VENT AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM (E) VENT CURB. SIZE VARIES. FIELD VERIFY.
- (E) ROOF SMOKE HATCH TO BE DEMO'D AND REPLACED. SEE ALTERATION PLAN FOR ADDITIONAL SCOPE.

KEYPLAN:



**ALBERT EINSTEIN MIDDLE SCHOOL
 RE-ROOF PROJECT**
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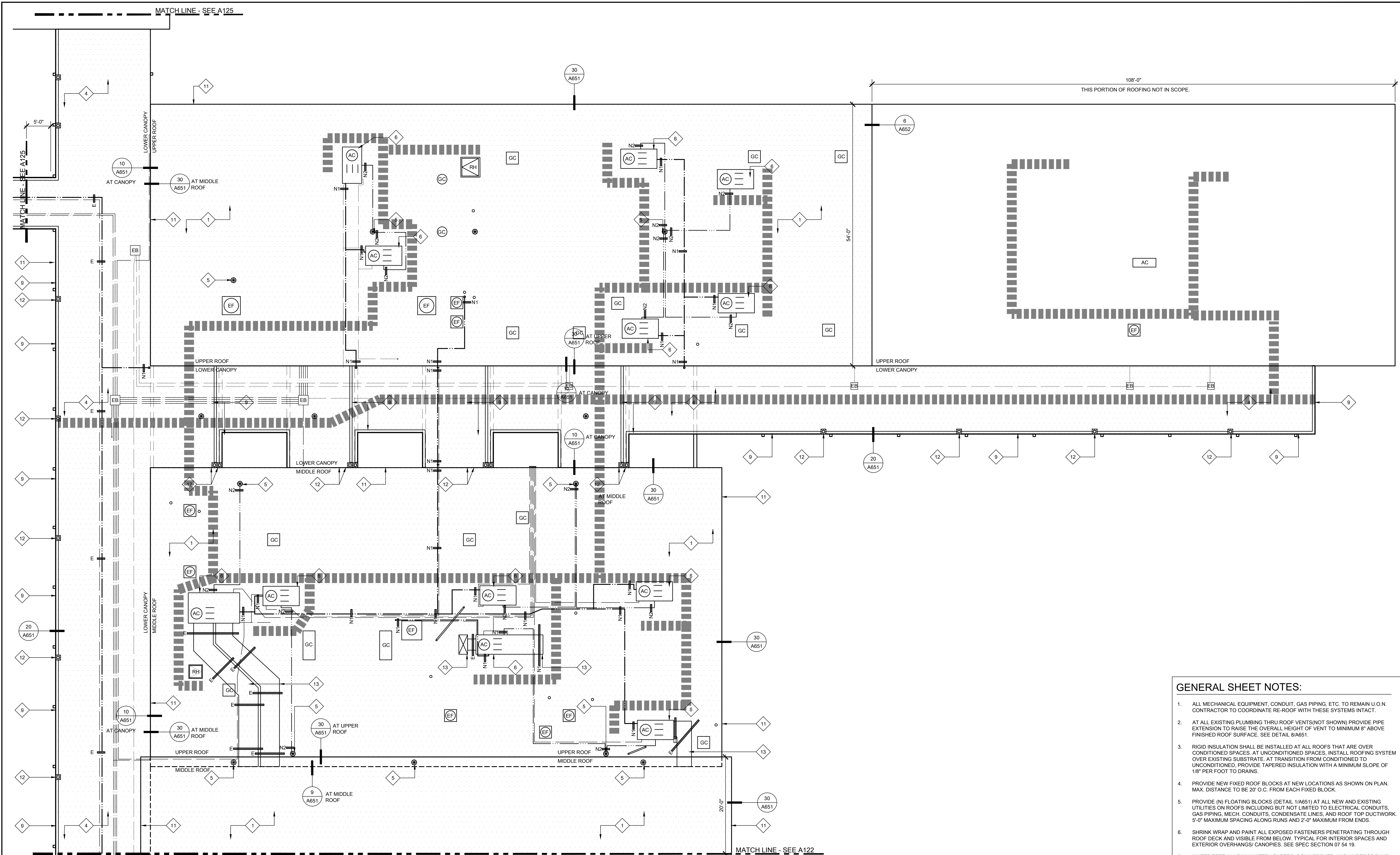
REVISIONS

NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING E & F
 DEMOLITION
 ROOF PLAN**
 SHEET NO. A121D

ONE AND ONE-HALF INCH = ONE FOOT
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26 BUILDING E & F NEW WORK ROOF PLAN
 SCALE: 1/8" = 1'-0"

KEYNOTES:
 ALL KEYNOTES MAY NOT BE USED.

- 1 AT MAIN CAMPUS BUILDINGS:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
- 2 NOT USED.
- 3 AT MUSIC ROOM AND 2ND STORY CLASSROOM WING:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - APPLY 2 COATS OF COOL ROOF COATING OVER CAP SHEET OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
- 4 AT CANOPIES:
 - INSTALL NEW FULLY ADHERED, FLEECE BACKED TPA SINGLE-PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF DENS-DECK PRIME IN HOT ASPHALT OR LOW RISE FOAM ADHESIVE OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" POLYISOCYANURATE INSULATION IN LOW RISE FOAM ADHESIVE
- 5 NEW CAST IRON DRAIN STRAINER AND CLAMP RING ON (E) DRAIN BODY. PROVIDE PROTECTIVE COATING ON (E) DRAIN BODY PRIOR TO INSTALLING NEW WORK. CREATE SLUMP AROUND DRAINS WHERE POSSIBLE.
- 6 (E) HVAC UNIT ON RAISED CURB. EXTEND NEW ROOFING SYSTEM UP FACE OF CURB AND TERMINATE ABOVE CURB TRANSITION FLASHING. PROVIDE TERMINATION BAR AROUND FULL PERIMETER. PROVIDE NEW GSM SKIRT - SEE DETAILS 12.3.4/A652. ADJUST GAS PIPING FOR ELEVATION CHANGE AT NEW TAPERED ROOF SYSTEM. RELOCATE DIRT LEG TO NEW LOCATION TO NOT INTERFERE WITH ROOF OR MAINTENANCE CLEARANCES.
- 7 EXISTING HVAC SPLIT SYSTEM ON RAISED PLATFORM. PROVIDE NEW ROOF JACKS AT ALL BASE LEGS AND SECURE.
- 8 AT RAISED HUMPS WHERE ROOFING RUNS OVER (E) I-BEAM. CUT ROOFING AT BASE OF I-BEAM AND COVER WITH SEPARATE PIECE PER DETAIL 18/A651.
- 9 NEW INTEGRAL ROOF GUTTER. REMOVE EXISTING ROOFING SYSTEM AND INFILL MATERIAL AND INSET NEW METAL GUTTER PER DETAIL 19/A651.
- 10 NEW GSM CLAD EXTEND HEIGHT EDGE METAL AND CLEAT.
- 11 NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 12 NEW NIPPLE OUTLET THROUGH ROOF DECK TO EXISTING SCUPPER.
- 13 COAT EXISTING ROOF-TOP DUCTWORK WITH WEATHER-RESISTANT COATING. SEE SPEC SECTION 23 31 00.
- 14 NEW GUTTER AND RAIN WATER LEADER - SEE DETAIL 4/A651.
- 15 NEW FRESH AIR LOUVER AND STORM HOOD - SEE DETAIL 26/A651 AND SPEC SECTION 08 31 00.
- 16 EXISTING EXPOSED I-BEAMS TO REMAIN. PROTECT IN PLACE DURING ROOFING. DO NOT APPLY ROOFING SYSTEM TO I-BEAMS. SEE DETAIL 17/A651.

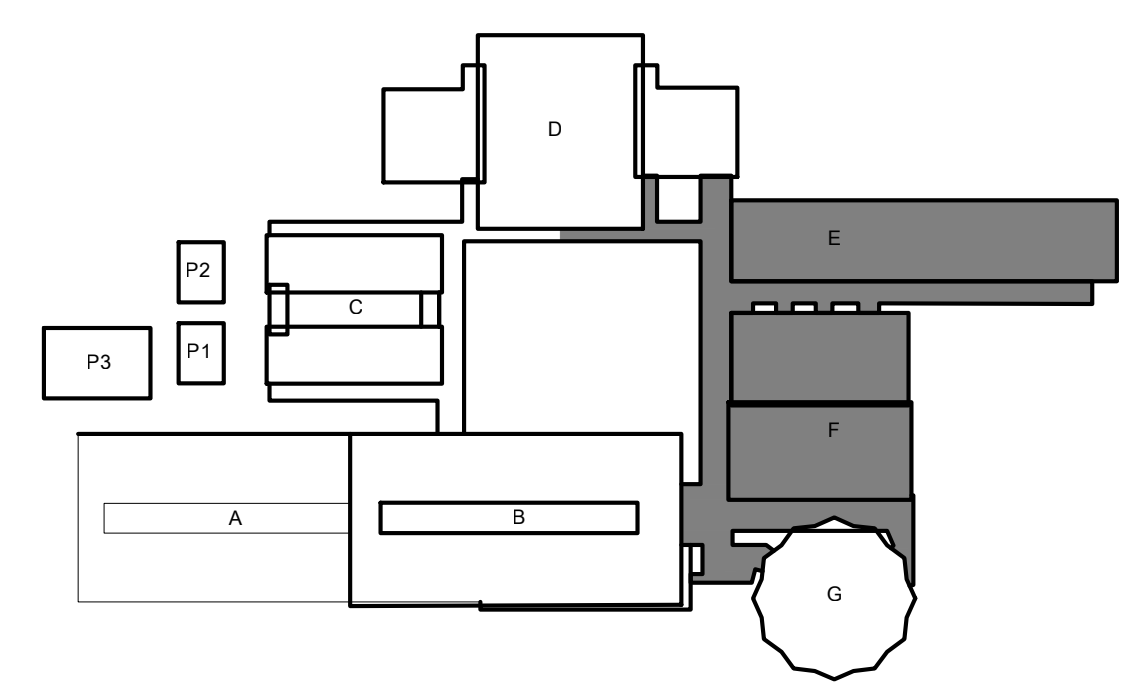
LEGEND:

- (NEW SINGLE PLY ROOF SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
- (NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
- (E) HVAC UNIT TO REMAIN IN PLACE. EXTEND (N) ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAILS 12.3.4/A652. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.
- (E) ELECTRICAL CONDUIT TO BE RESECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.
- (E) GAS PIPING TO BE RE-SECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.
- (N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECONNECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.
- (N) WALKPAD. PATH SHOWN IS APPROXIMATE BUT SHALL BE INSTALLED ON MAINTENANCE SIDE OF ALL UNITS. AT ALL LOCATIONS WHERE WALKPAD TERMINATES AT EDGE OF ROOF, PROVIDE 4" HIGH PAINTED STENCIL LETTERING ON FASCIA TO READ, "LADDER HERE".
- (E) ELECTRICAL PULL BOX. PROVIDE (N) ANCHORED ROOF BLOCKS RUNNING FULL LENGTH EACH SIDE OF BOX. REATTACH (E) ELECT. BOX TO (N) ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX W/ SEALANT.
- (E) EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RE-SECURE TO CURB. RECONNECT WIRING. SEE 5/A652.
- (E) ROOF HATCH. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 30/A620 SIMILAR.
- NEW ANCHORED ROOF BLOCK. SEE DETAIL 4/A620.
- NEW ADHERED ROOF BLOCK. SEE DETAIL 14/A620.
- NEW ROOF SMOKE HATCH. ANCHOR TO STRUCTURE WITH (3) 1/2" DIAMETER LAG SCREWS PER SIDE WITH 3" EMBED INTO STRUCTURE.
- NEW NIPPLE OUTLET IN NEW GUTTER. EXTEND THROUGH ROOF DECK AND TERMINATE IN EXISTING SCUPPER BOX.

GENERAL SHEET NOTES:

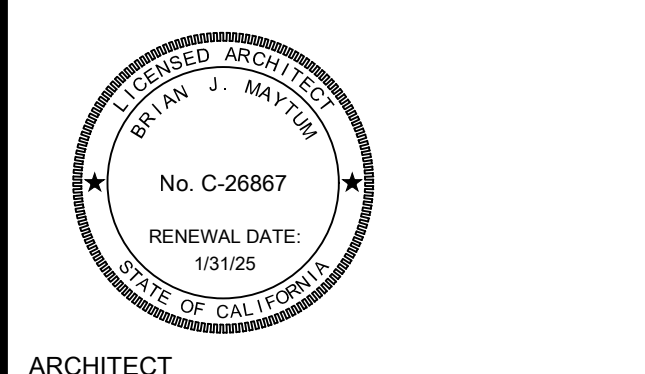
1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
2. AT ALL EXISTING PLUMBING THRU ROOF VENTS (NOT SHOWN) PROVIDE PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8' ABOVE FINISHED ROOF SURFACE. SEE DETAIL 8/A651.
3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER UNCONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM UNCONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION WITH A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAINS.
4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN. MAX. DISTANCE TO BE 20' O.C. FROM EACH FIXED BLOCK.
5. PROVIDE (N) FLOATING BLOCKS (DETAIL 14/A651) AT ALL NEW AND EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECH. CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 5'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
6. SHRINK WRAP AND PAINT ALL EXPOSED FASTENERS PENETRATING THROUGH ROOF DECK AND VISIBLE FROM BELOW. TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/ CANOPIES. SEE SPEC SECTION 07 54 15.
7. WATER TEST ALL RAIN WATER LEADERS, DOWNSPOUTS, AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE. PROVIDE LOCATION MAP OF ANY PLUGGED LINES TO DISTRICT.
8. WATER TEST ALL DRAINS PRIOR TO ALTERATION WORK TO CONFIRM THAT THE LINES ARE CLEAN AND THE PLUMBING IS NOT LEAKING. KEEP ALL DRAIN PLUGS CLEAR OF CONSTRUCTION DEBRIS WITH BYPASS PLUGS.

KEYPLAN:



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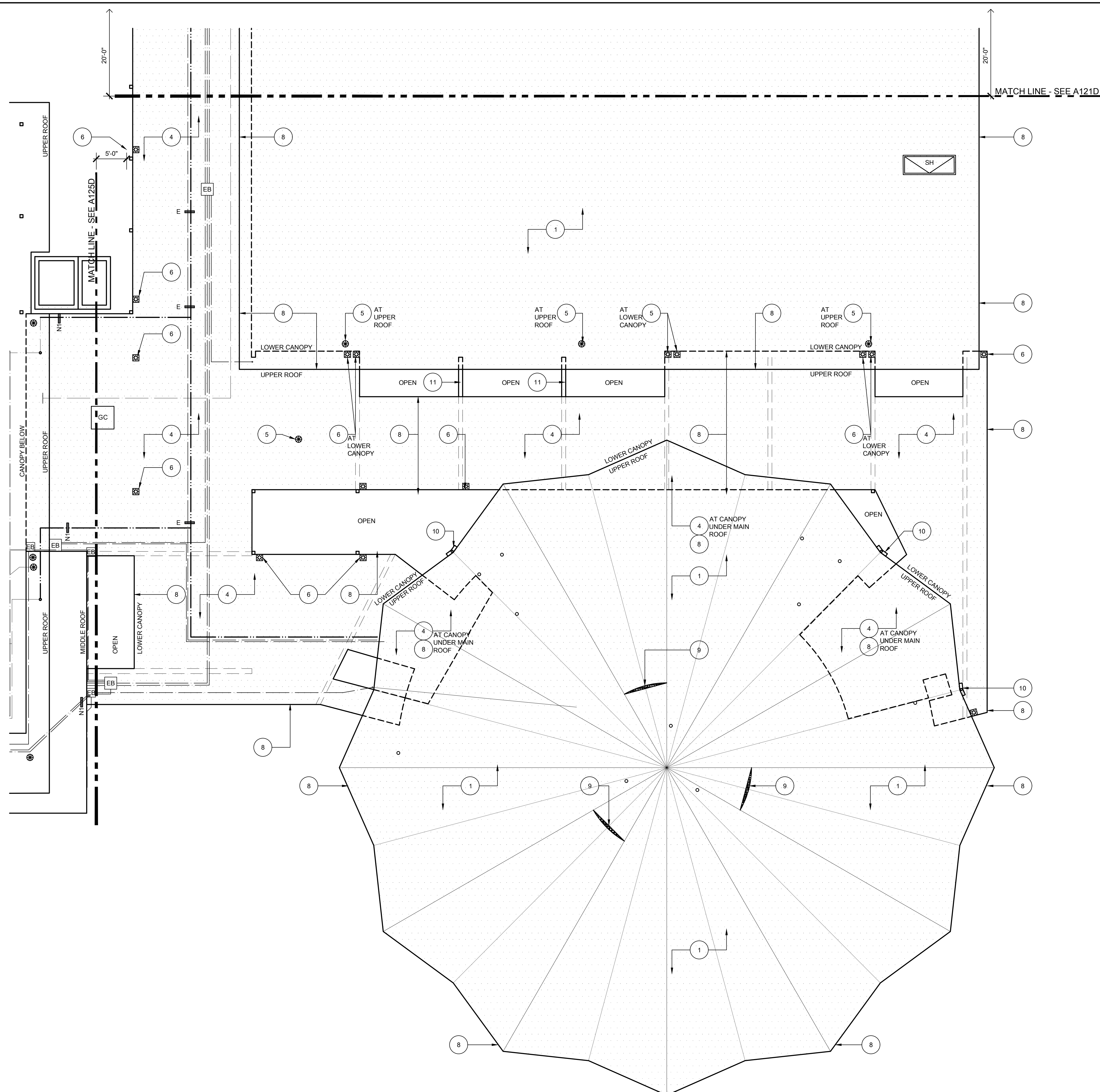
DATE: 03/21/2023
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BUILDING E & F
 NEW WORK
 ROOF PLAN

SHEET NO.

A121

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27 BUILDING F & G DEMOLITION ROOF PLAN
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

- ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
- EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
- DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
- EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
- REMOVE EXISTING ROOF-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYNOTES:

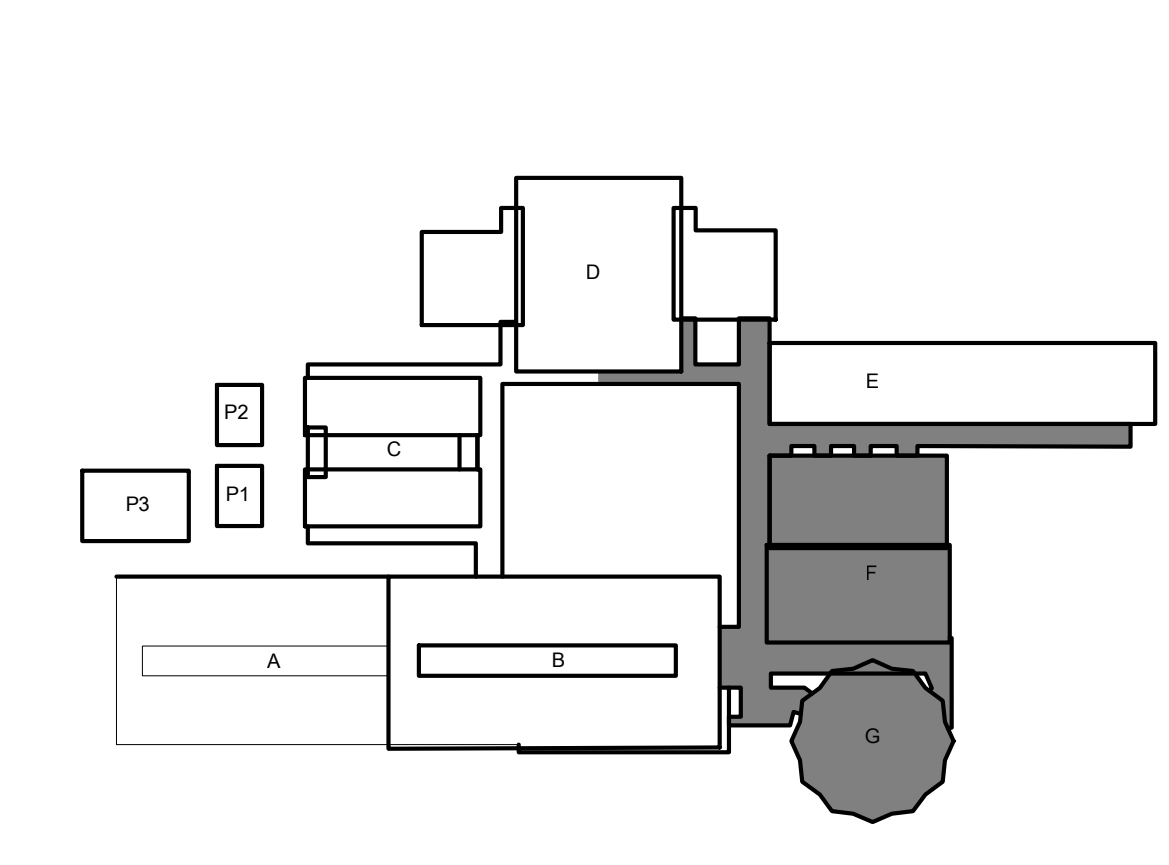
- ALL KEYNOTES MAY NOT BE USED.
- AT MAIN CAMPUS BUILDINGS AND GYM ROOF VALLEY ROOF CORE; REMOVE (E) ROOF SYSTEM DOWN TO CONCRETE OVER METAL PAN DECKING STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1/2" PERLITE COVERBOARD OVER
 - LIGHTWEIGHT CONCRETE OVER METAL PAN DECKING (STRUCTURE).
 - NOT USED.
 - AT CANOPY ROOF: REMOVE (E) ROOF SYSTEM DOWN TO METAL DECK STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANULE SURVADED CAP SHEET OVER
 - 1/2" SHEETROCK OVER
 - METAL DECK (STRUCTURE).
 - (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE (E) ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE EXISTING FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR TWO (2) WHIPS PER UNIT.
 - (E) THROUGH-ROOF DRAIN BODY TO REMAIN. CAREFULLY DEMO ROOFING MATERIAL FROM DRAIN BODY. CLEAN DRAIN BODY TO REMOVE ALL (E) MATERIAL. CHASE ALL STRAINER BASKET MOUNTING HOLES.

- EXISTING THROUGH-ROOF NIPPLE OUTLET WITH SCUPPER BOX. REMOVE EXISTING NIPPLE OUTLET. EXISTING SCUPPER BOX AND RAIN WATER LEADER TO REMAIN.
- (E) ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING.
- REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF ROOF.
- REMOVE EXISTING FRESH AIR LOUVER AND REPLACE WITH NEW. SEE NEW WORK PLAN.
- REMOVE EXISTING FASCIA-MOUNTED GUTTER. EXISTING RAIN WATER LEADER TO REMAIN.
- EXISTING I-BEAMS TO REMAIN. REMOVE ROOFING DOWN TO I-BEAM AND PREPARE TO RECEIVE NEW ROOFING SYSTEM.

LEGEND:

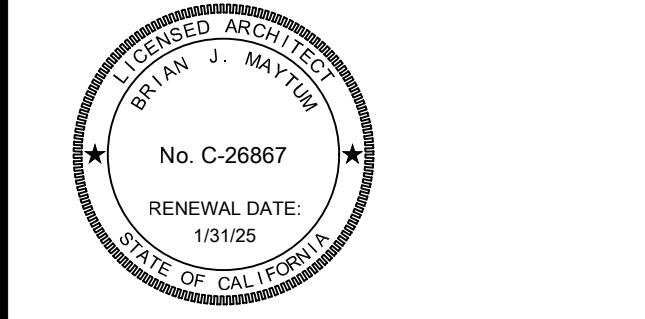
- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT. DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE. DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUB-STRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL OR SINGLE PLY SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY. DISCONNECT (E) FLEX WHIPS(ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE DAMAGED FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR FOUR(4) WHIPS PER UNIT.
- (E) ROOF HATCH. REMOVE AND REINSTALL. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. SIZE VARIES. FIELD VERIFY.
- EXISTING EXHAUST FAN. DISCONNECT, REMOVE, AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM EXISTING CURB. SIZE VARIES. FIELD VERIFY.
- DEMO ABANDONED SHEET METAL CAP OVER RAISED CURB. REMOVE FASTENERS AND BLOCKING AND REMOVE ROOFING SYSTEM FROM CURB. PATCH ROOF OPENING TO MATCH ADJACENT ROOFING SYSTEM. SIZE VARIES. FIELD VERIFY.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) RELIEF VENT. REMOVE VENT AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM (E) VENT CURB. SIZE VARIES. FIELD VERIFY.
- (E) ROOF SMOKE HATCH TO BE DEMO'D AND REPLACED. SEE ALTERATION PLAN FOR ADDITIONAL SCOPE.

KEYPLAN:



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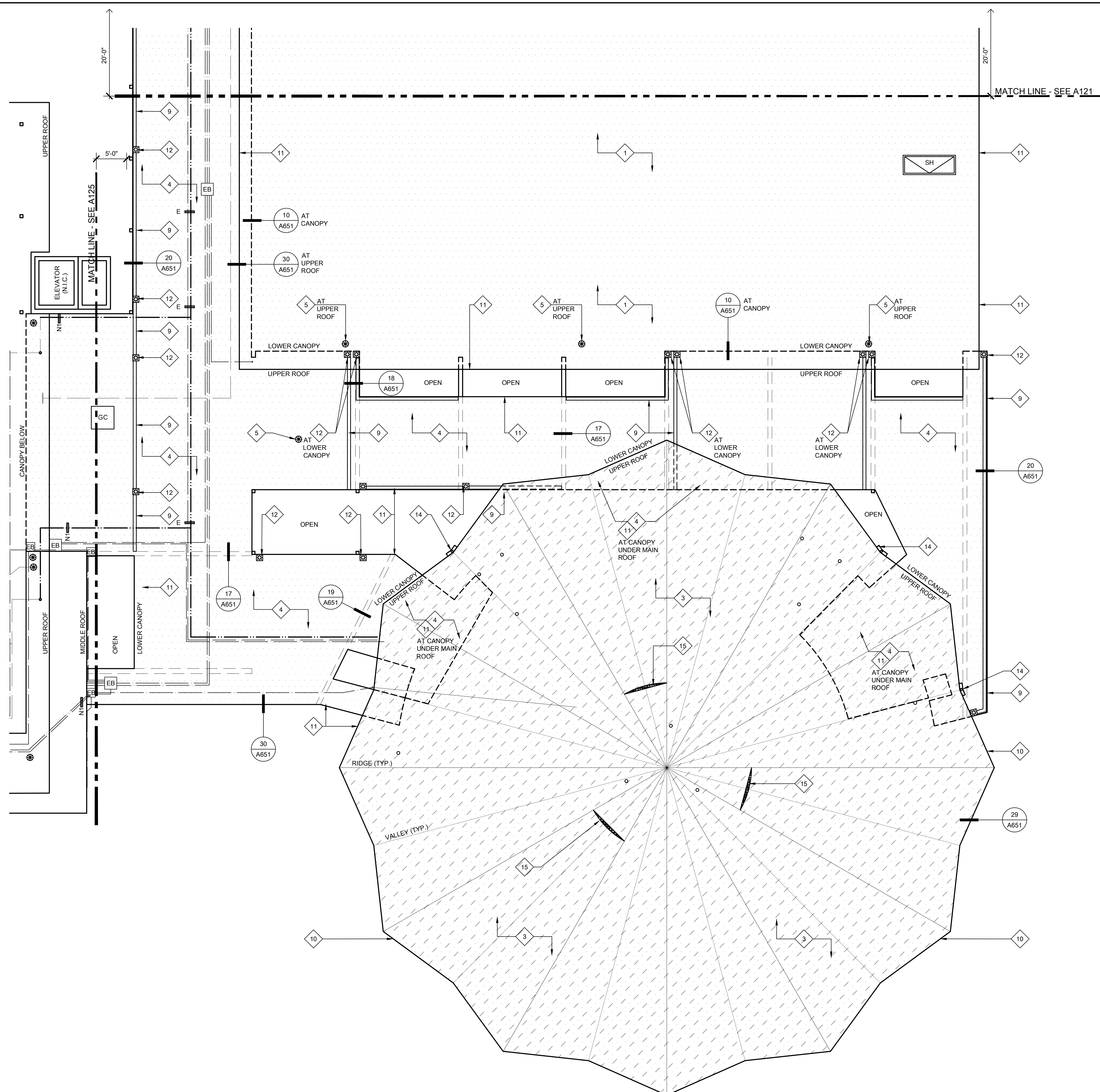
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING F & G
 DEMOLITION
 ROOF PLAN**

SHEET NO.
A122D

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
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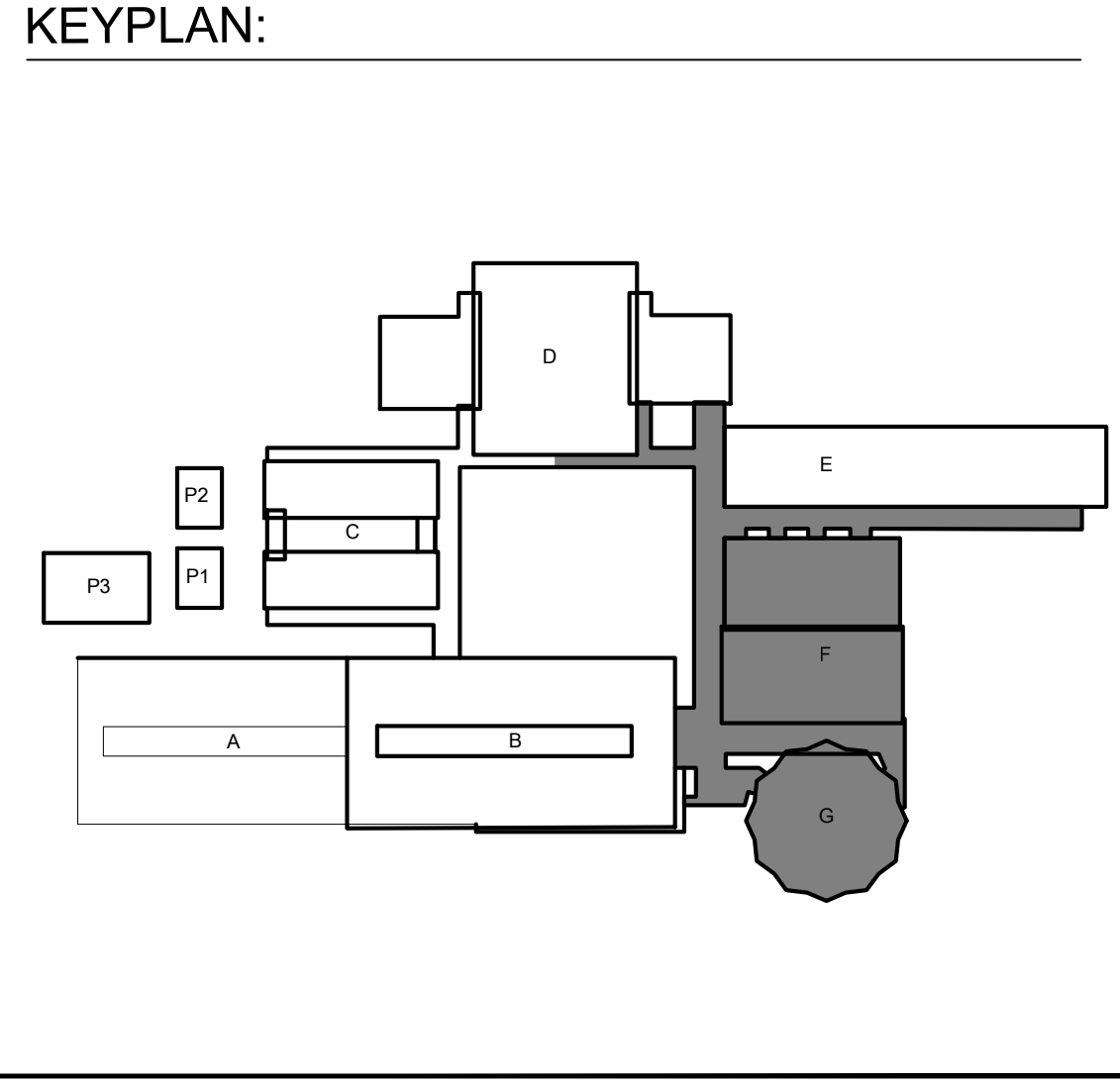


27 BUILDING F & G NEW WORK ROOF PLAN
 SCALE: 1/8" = 1'-0"

- KEYNOTES:**
 ALL KEYNOTES MAY NOT BE USED.
- 1 AT MAIN CAMPUS BUILDINGS:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
 - 2 NOT USED.
 - 3 AT MUSIC ROOM AND 2ND STORY CLASSROOM WING:
 - NEW BUILT UP ROOF IN HOT ASPHALT - APPLY 2 COATS OF COOL ROOF COATING OVER CAP SHEET OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
 - 4 AT CANOPIES:
 - INSTALL NEW FULLY ADHERED, FLEECE BACKED TPA SINGLE-PLY IN WATER-BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF DENS-DECK PRIME IN HOT ASPHALT OR LOW RISE FOAM ADHESIVE OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" POLYISOCYANURATE INSULATION IN LOW RISE FOAM ADHESIVE
 - 5 NEW CAST IRON DRAIN STRAINER AND CLAMP RING ON (E) DRAIN BODY. PROVIDE PROTECTIVE COATING ON (E) DRAIN BODY PRIOR TO INSTALLING NEW WORK. CREATE SUMP AROUND DRAINS WHERE POSSIBLE.
 - 6 (E) HVAC UNIT ON RAISED CURB. EXTEND NEW ROOFING SYSTEM UP FACE OF CURB AND TERMINATE ABOVE CURB TRANSITION FLASHING. PROVIDE TERMINATION BAR AROUND FULL PERIMETER. PROVIDE NEW GSM SKIRT - SEE DETAILS 12.3.4/A652. ADJUST GAS PIPING FOR ELEVATION CHANGE AT NEW TAPERED ROOF SYSTEM. RELOCATE DIRT LEG TO NEW LOCATION TO NOT INTERFERE WITH ROOF OR MAINTENANCE CLEARANCES.
 - 7 EXISTING HVAC SPLIT SYSTEM ON RAISED PLATFORM. PROVIDE NEW ROOF JACKS AT ALL BASE LEGS AND SECURE.
 - 8 AT RAISED HUMPS WHERE ROOFING RUNS OVER (E) I-BEAM. CUT ROOFING AT BASE OF I-BEAM AND COVER WITH SEPARATE PIECE PER DETAIL 18/A651.
 - 9 NEW INTEGRAL ROOF GUTTER. REMOVE EXISTING ROOFING SYSTEM AND INFILL MATERIAL AND INSET NEW METAL GUTTER PER DETAIL 19/A651.
 - 10 NEW GSM CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
 - 11 NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
 - 12 NEW NIPPLE OUTLET THROUGH ROOF DECK TO EXISTING SCUPPER.
 - 13 COAT EXISTING ROOF-TOP DUCTWORK WITH WEATHER-RESISTANT COATING. SEE SPEC SECTION 23 31 00.
 - 14 NEW GUTTER AND RAIN WATER LEADER - SEE DETAIL 4/A651.
 - 15 NEW FRESH AIR LOUVER AND STORM HOOD - SEE DETAIL 26/A651 AND SPEC SECTION 08 91 00.
 - 16 EXISTING EXPOSED I-BEAMS TO REMAIN. PROTECT IN PLACE DURING ROOFING. DO NOT APPLY ROOFING SYSTEM TO I-BEAMS. SEE DETAIL 17/A651.

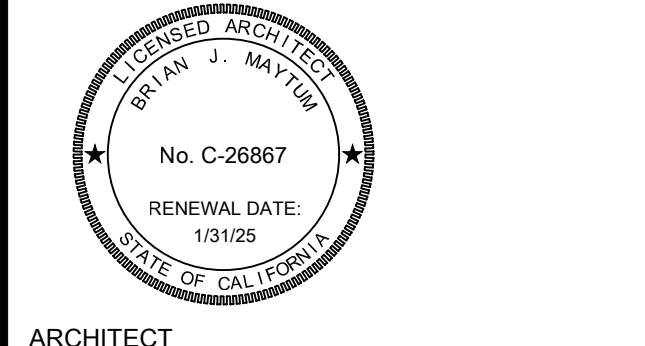
- LEGEND:**
- (NEW SINGLE PLY ROOF SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - (NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - (E) HVAC UNIT TO REMAIN IN PLACE. EXTEND (N) ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAILS 12.3.4/A652. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.
 - (E) ELECTRICAL CONDUIT TO BE RESECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.
 - (E) GAS PIPING TO BE RE-SECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.
 - (N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECONNECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.
 - (N) WALKPAD. PATH SHOWN IS APPROXIMATE BUT SHALL BE INSTALLED ON MAINTENANCE SIDE OF ALL UNITS. AT ALL LOCATIONS WHERE WALKPAD TERMINATES AT EDGE OF ROOF, PROVIDE 4" HIGH PAINTED STENCIL LETTERING ON FASCIA TO READ, "LADDER HERE".
 - (E) ELECTRICAL PULL BOX. PROVIDE (N) ANCHORED ROOF BLOCKS RUNNING FULL LENGTH EACH SIDE OF BOX. REATTACH (E) ELECT. BOX TO (N) ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX W/ SEALANT.
 - EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RE-SECURE TO CURB. RECONNECT WIRING. SEE 5/A652.
 - (E) ROOF HATCH. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
 - (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 30/A652 SIMILAR.
 - NEW ANCHORED ROOF BLOCK. SEE DETAIL 4/A620.
 - NEW ADHERED ROOF BLOCK. SEE DETAIL 14/A620.
 - NEW ROOF SMOKE HATCH. ANCHOR TO STRUCTURE WITH (3) 1/2" DIAMETER LAG SCREWS PER SIDE WITH 3" EMBED INTO STRUCTURE.
 - NEW NIPPLE OUTLET IN NEW GUTTER. EXTEND THROUGH ROOF DECK AND TERMINATE IN EXISTING SCUPPER BOX.

- GENERAL SHEET NOTES:**
1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
 2. AT ALL EXISTING PLUMBING THRU ROOF VENTS (NOT SHOWN) PROVIDE PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8' ABOVE FINISHED ROOF SURFACE. SEE DETAIL 8/A651.
 3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER UNCONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM UNCONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION WITH A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAINS.
 4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN. MAX. DISTANCE TO BE 20' O.C. FROM EACH FIXED BLOCK.
 5. PROVIDE (N) FLOATING BLOCKS (DETAIL 1/A651) AT ALL NEW AND EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECH. CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 5'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
 6. SHRINK WRAP AND PAINT ALL EXPOSED FASTENERS PENETRATING THROUGH ROOF DECK AND VISIBLE FROM BELOW. TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/ CANOPIES. SEE SPEC SECTION 07 54 15.
 7. WATER TEST ALL RAIN WATER LEADERS, DOWNSPOUTS, AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE. PROVIDE LOCATION MAP OF ANY PLUGGED LINES TO DISTRICT.
 8. WATER TEST ALL DRAINS PRIOR TO ALTERATION WORK TO CONFIRM THAT THE LINES ARE CLEAN AND THE PLUMBING IS NOT LEAKING. KEEP ALL DRAIN PLUGS CLEAR OF CONSTRUCTION DEBRIS WITH BYPASS PLUGS.



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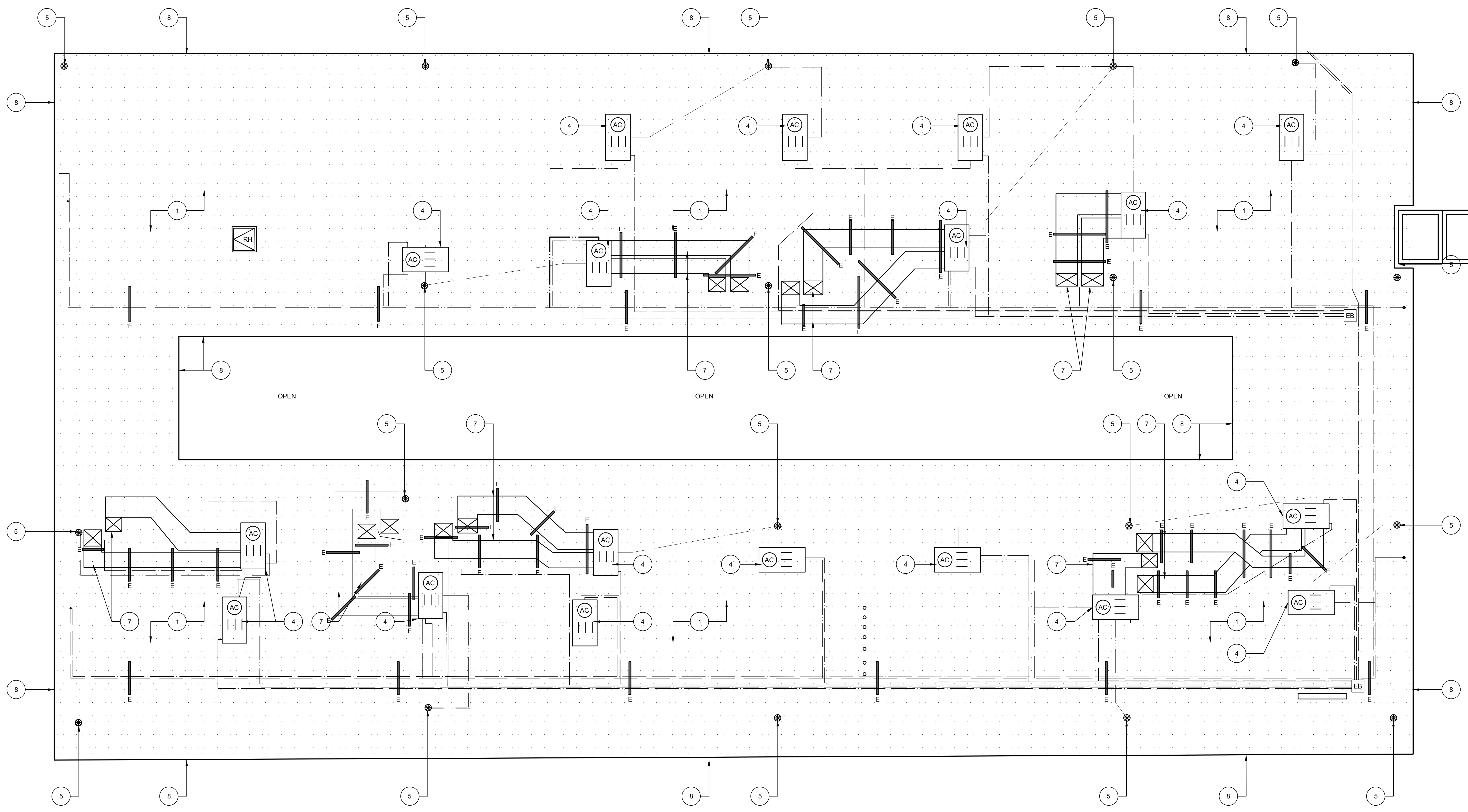
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26 BUILDING B UPPER ROOF DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

- ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
- EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
- DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
- EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
- REMOVE EXISTING ROOF-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYNOTES:
 ALL KEYNOTES MAY NOT BE USED.

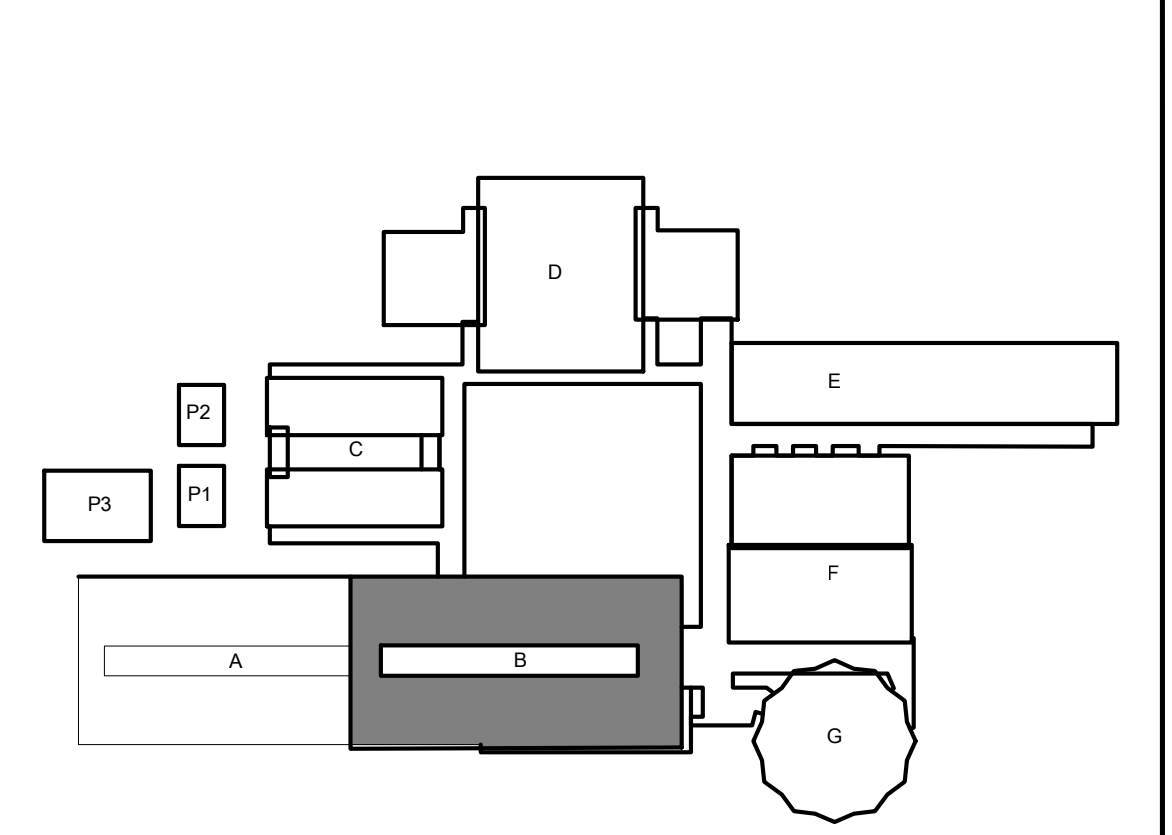
- AT MAIN CAMPUS BUILDINGS AND GYM ROOF VALLEY ROOF CORE; REMOVE (E) ROOF SYSTEM DOWN TO CONCRETE OVER METAL PAN DECKING STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1 1/2" PERLITE COVERBOARD OVER
 - LIGHTWEIGHT CONCRETE OVER METAL PAN DECKING (STRUCTURE).
- NOT USED.
- AT CANOPY ROOF; REMOVE (E) ROOF SYSTEM DOWN TO METAL DECK STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANULE SURVADED CAP SHEET OVER
 - 1 1/2" SHEETROCK OVER
 - METAL DECK (STRUCTURE).
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE (E) ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE EXISTING FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR TWO (2) WHIPS PER UNIT.
- (E) THROUGH-ROOF DRAIN BODY TO REMAIN. CAREFULLY DEMO ROOFING MATERIAL FROM DRAIN BODY. CLEAN DRAIN BODY TO REMOVE ALL (E) MATERIAL. CHASE ALL STRAINER BASKET MOUNTING HOLES.

- EXISTING THROUGH-ROOF NIPPLE OUTLET WITH SCUPPER BOX. REMOVE EXISTING NIPPLE OUTLET. EXISTING SCUPPER BOX AND RAIN WATER LEADER TO REMAIN.
- (E) ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING.
- REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF ROOF.
- REMOVE EXISTING FRESH AIR LOUVER AND REPLACE WITH NEW. SEE NEW WORK PLAN.
- REMOVE EXISTING FASCIA-MOUNTED GUTTER. EXISTING RAIN WATER LEADER TO REMAIN.
- EXISTING I-BEAMS TO REMAIN. REMOVE ROOFING DOWN TO I-BEAM AND PREPARE TO RECEIVE NEW ROOFING SYSTEM.

LEGEND:

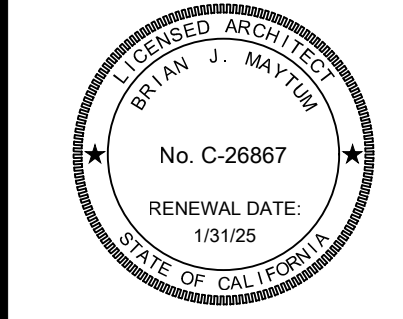
- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT. DIAMETER OF CONDUIT VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE. DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL OR SINGLE PLY SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE DAMAGED FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR FOUR(4) WHIPS PER UNIT.
- (E) ROOF HATCH. REMOVE AND REINSTALL. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. SIZE VARIES. FIELD VERIFY.
- EXISTING EXHAUST FAN. DISCONNECT, REMOVE, AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM EXISTING CURB. SIZE VARIES. FIELD VERIFY.
- DEMO ABANDONED SHEET METAL CAP OVER RAISED CURB. REMOVE FASTENERS AND BLOCKING AND REMOVE ROOFING SYSTEM FROM CURB. PATCH ROOF OPENING TO MATCH ADJACENT ROOFING SYSTEM. SIZE VARIES. FIELD VERIFY.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) RELIEF VENT. REMOVE VENT AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM (E) VENT CURB. SIZE VARIES. FIELD VERIFY.
- (E) ROOF SMOKE HATCH TO BE DEMO'D AND REPLACED. SEE ALTERATION PLAN FOR ADDITIONAL SCOPE.

KEYPLAN:



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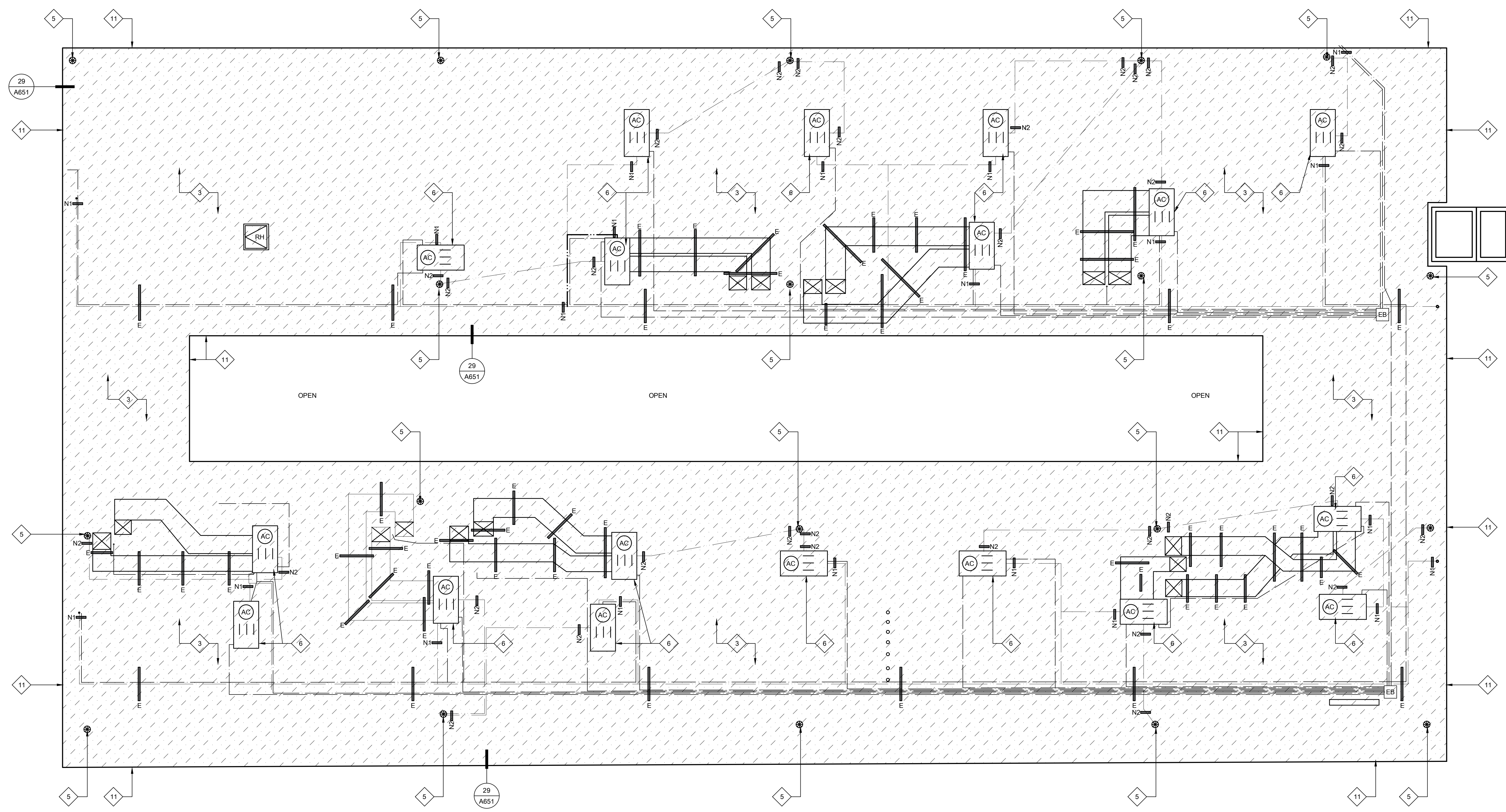
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27 BUILDING B UPPER ROOF NEW WORK ROOF PLAN
 SCALE: 1/8" = 1'-0"

KEYNOTES:
 ALL KEYNOTES MAY NOT BE USED.

- 1 AT MAIN CAMPUS BUILDINGS:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
- 2 NOT USED.
- 3 AT MUSIC ROOM AND 2ND STORY CLASSROOM WING:
 - NEW BUILT UP ROOF IN HOT ASPHALT - APPLY 2 COATS OF COOL ROOF COATING OVER CAP SHEET OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
- 4 AT CANOPIES:
 - INSTALL NEW FULLY ADHERED, FLEECE BACKED TPA SINGLE-PLY IN WATER-BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF DENS-DECK PRIME IN HOT ASPHALT OR LOW RISE FOAM ADHESIVE OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" POLYISOCYANURATE INSULATION IN LOW RISE FOAM ADHESIVE
- 5 NEW CAST IRON DRAIN STRAINER AND CLAMP RING ON (E) DRAIN BODY. PROVIDE PROTECTIVE COATING ON (E) DRAIN BODY PRIOR TO INSTALLING NEW WORK. CREATE SUMP AROUND DRAINS WHERE POSSIBLE.
- 6 (E) HVAC UNIT ON RAISED CURBS. EXTEND NEW ROOFING SYSTEM UP FACE OF CURB AND TERMINATE ABOVE CURB TRANSITION FLASHING. PROVIDE TERMINATION BAR AROUND FULL PERIMETER. PROVIDE NEW GSM SKIRT - SEE DETAILS 12.3.4/A652. ADJUST GAS PIPING FOR ELEVATION CHANGE AT NEW TAPERED ROOF SYSTEM. RELOCATE DIRT LEG TO NEW LOCATION TO NOT INTERFERE WITH ROOF OR MAINTENANCE CLEARANCES.
- 7 EXISTING HVAC SPLIT SYSTEM ON RAISED PLATFORM. PROVIDE NEW ROOF JACKS AT ALL BASE LEGS AND SECURE.
- 8 AT RAISED HUMPS WHERE ROOFING RUNS OVER (E) I-BEAM. CUT ROOFING AT BASE OF I-BEAM AND COVER WITH SEPARATE PIECE PER DETAIL 18/A651.
- 9 NEW INTEGRAL ROOF GUTTER. REMOVE EXISTING ROOFING SYSTEM AND INFILL MATERIAL AND INSET NEW METAL GUTTER PER DETAIL 19/A651.
- 10 NEW GSM CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 11 NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 12 NEW NIPPLE OUTLET THROUGH ROOF DECK TO EXISTING SCUPPER.
- 13 COAT EXISTING ROOF-TOP DUCTWORK WITH WEATHER-RESISTANT COATING. SEE SPEC SECTION 23 31 00.
- 14 NEW GUTTER AND RAIN WATER LEADER - SEE DETAIL 4/A651.
- 15 NEW FRESH AIR LOUVER AND STORM HOOD - SEE DETAIL 26/A651 AND SPEC SECTION 08 91 00.
- 16 EXISTING EXPOSED I-BEAMS TO REMAIN. PROTECT IN PLACE DURING ROOFING. DO NOT APPLY ROOFING SYSTEM TO I-BEAMS. SEE DETAIL 17/A651.

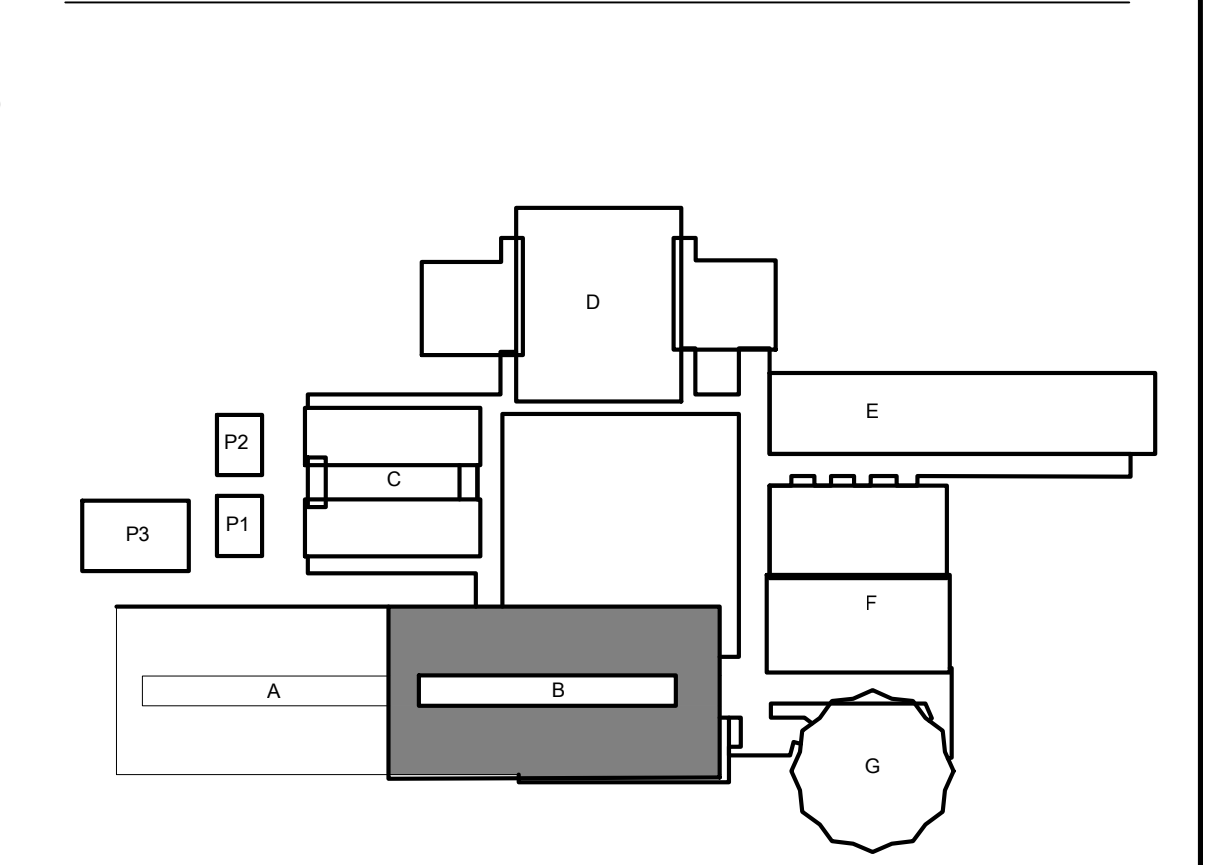
LEGEND:

- (Pattern) NEW SINGLE PLY ROOF SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
- (Pattern) NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
- (AC) (E) HVAC UNIT TO REMAIN IN PLACE. EXTEND (N) ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAILS 12.3.4/A652. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.
- (E) ELECTRICAL CONDUIT TO BE RESECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.
- (E) GAS PIPING TO BE RE-SECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.
- (N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECONNECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.
- (N) WALKPAD. PATH SHOWN IS APPROXIMATE BUT SHALL BE INSTALLED ON MAINTENANCE SIDE OF ALL UNITS. AT ALL LOCATIONS WHERE WALKPAD TERMINATES AT EDGE OF ROOF, PROVIDE 4" HIGH PAINTED STENCIL LETTERING ON FASCIA TO READ, "LADDER HERE".
- (EB) (E) ELECTRICAL PULL BOX. PROVIDE (N) ANCHORED ROOF BLOCKS RUNNING FULL LENGTH EACH SIDE OF BOX. REATTACH (E) ELECT. BOX TO (N) ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX W/ SEALANT.
- (EF) EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RE-SECURE TO CURB. RECONNECT WIRING. SEE 5/A652.
- (RH) (E) ROOF HATCH. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 30/A820 SIMILAR.
- (N) NEW ANCHORED ROOF BLOCK. SEE DETAIL 4/A620.
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- (N) NEW NIPPLE OUTLET IN NEW GUTTER. EXTEND THROUGH ROOF DECK AND TERMINATE IN EXISTING SCUPPER BOX.

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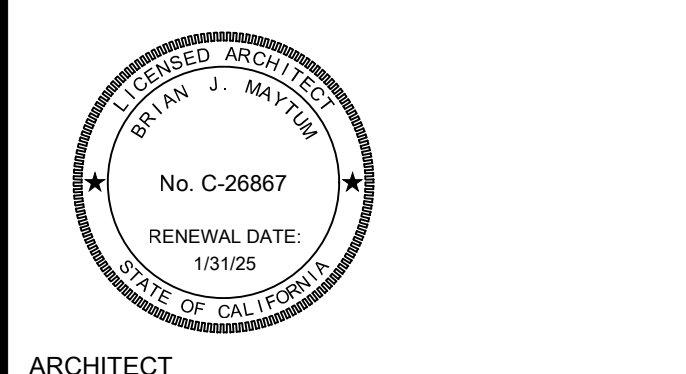
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2. AT ALL EXISTING PLUMBING THRU ROOF VENTS (NOT SHOWN) PROVIDE PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8' ABOVE FINISHED ROOF SURFACE. SEE DETAIL 8/A651.
3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER UNCONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM UNCONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION WITH A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAINS.
4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN. MAX. DISTANCE TO BE 20' O.C. FROM EACH FIXED BLOCK.
5. PROVIDE (N) FLOATING BLOCKS (DETAIL 1/A651) AT ALL NEW AND EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECH. CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 5'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
6. SHRINK WRAP AND PAINT ALL EXPOSED FASTENERS PENETRATING THROUGH ROOF DECK AND VISIBLE FROM BELOW. TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/CANOPIES. SEE SPEC SECTION 07 54 15.
7. WATER TEST ALL RAIN WATER LEADERS, DOWNSPOUTS, AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE. PROVIDE LOCATION MAP OF ANY PLUGGED LINES TO DISTRICT.
8. WATER TEST ALL DRAINS PRIOR TO ALTERATION WORK TO CONFIRM THAT THE LINES ARE CLEAN AND THE PLUMBING IS NOT LEAKING. KEEP ALL DRAIN PLUGS CLEAR OF CONSTRUCTION DEBRIS WITH BYPASS PLUGS.

KEYPLAN:



**ALBERT EINSTEIN MIDDLE SCHOOL
 RE-ROOF PROJECT**
 9325 MIRANDY DR
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 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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ARCHITECT
 BID SET

REVISIONS

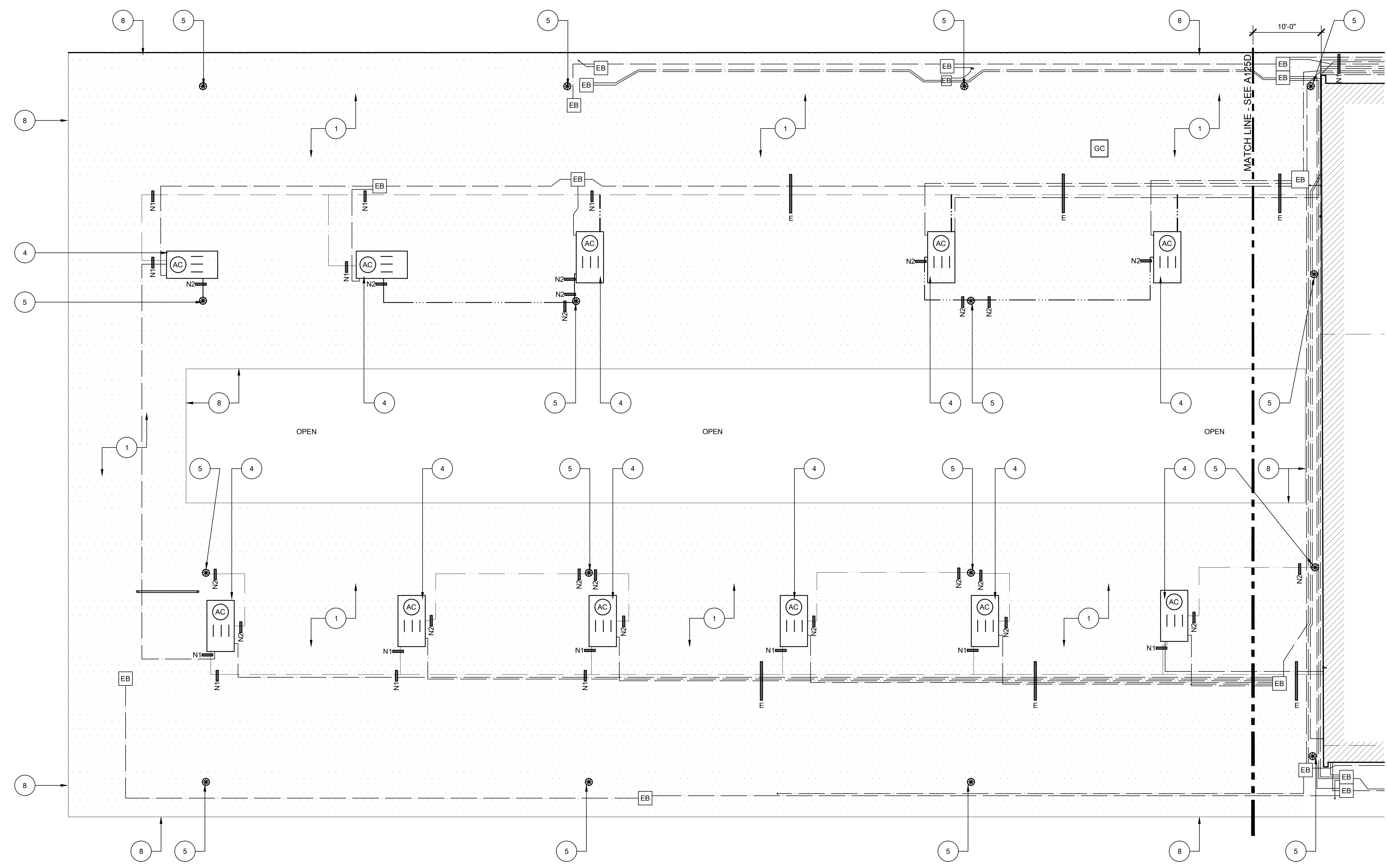
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING B
 UPPER ROOF
 NEW WORK
 ROOF PLAN**

SHEET NO.

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



27 BUILDING A DEMOLITION ROOF PLAN
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

- ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
- EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
- DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
- EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
- REMOVE EXISTING ROOF-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYNOTES:
 ALL KEYNOTES MAY NOT BE USED.

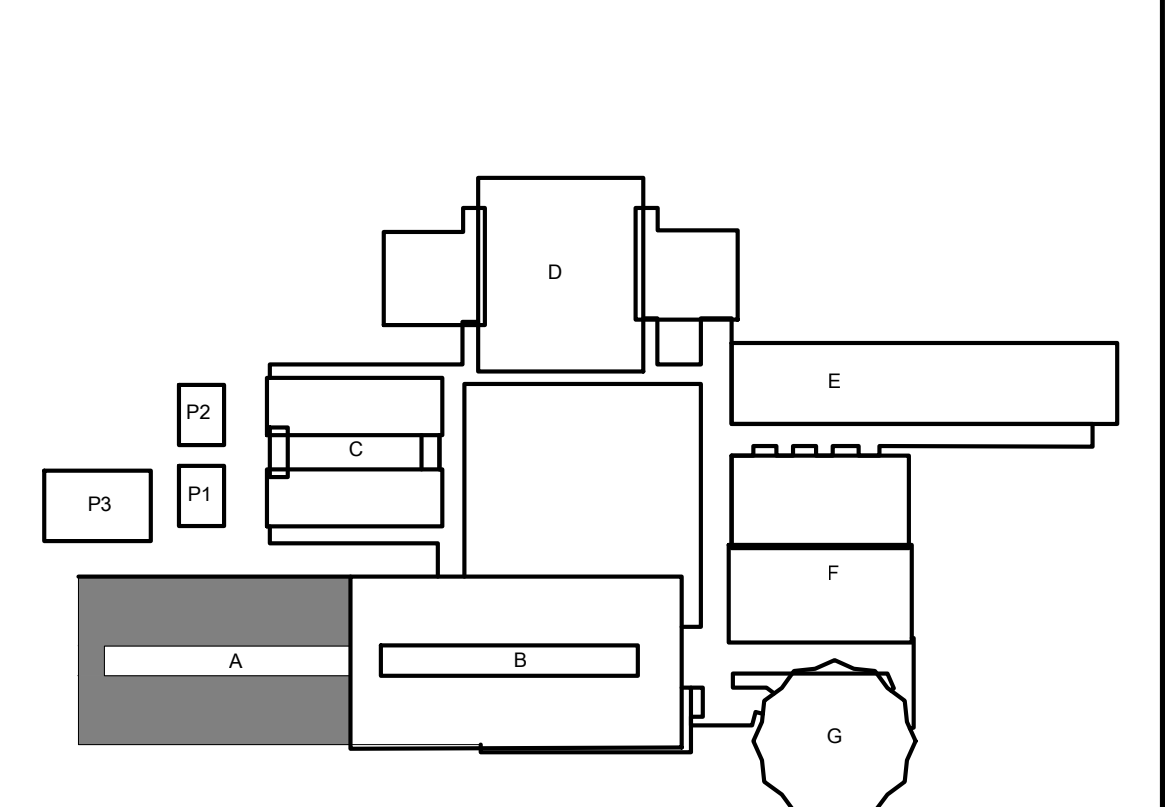
- AT MAIN CAMPUS BUILDINGS AND GYM ROOF VALLEY ROOF CORE; REMOVE (E) ROOF SYSTEM DOWN TO CONCRETE OVER METAL PAN DECKING STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1 1/2" PERLITE COVERBOARD OVER
 - LIGHTWEIGHT CONCRETE OVER METAL PAN DECKING (STRUCTURE).
- NOT USED.
- AT CANOPY ROOF; REMOVE (E) ROOF SYSTEM DOWN TO METAL DECK STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANULE SURVADED CAP SHEET OVER
 - 1 1/2" PERLITE COVERBOARD OVER
 - 1/2" SHEETROCK OVER
 - METAL DECK (STRUCTURE).
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE (E) ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE EXISTING FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR TWO (2) WHIPS PER UNIT.
- (E) THROUGH-ROOF DRAIN BODY TO REMAIN. CAREFULLY DEMO ROOFING MATERIAL FROM DRAIN BODY. CLEAN DRAIN BODY TO REMOVE ALL (E) MATERIAL. CHASE ALL STRAINER BASKET MOUNTING HOLES.

- EXISTING THROUGH-ROOF NIPPLE OUTLET WITH SCUPPER BOX. REMOVE EXISTING NIPPLE OUTLET. EXISTING SCUPPER BOX AND RAIN WATER LEADER TO REMAIN.
- (E) ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING.
- REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF ROOF.
- REMOVE EXISTING FRESH AIR LOUVER AND REPLACE WITH NEW. SEE NEW WORK PLAN.
- REMOVE EXISTING FASCIA-MOUNTED GUTTER. EXISTING RAIN WATER LEADER TO REMAIN.
- EXISTING I-BEAMS TO REMAIN. REMOVE ROOFING DOWN TO I-BEAM AND PREPARE TO RECEIVE NEW ROOFING SYSTEM.

LEGEND:

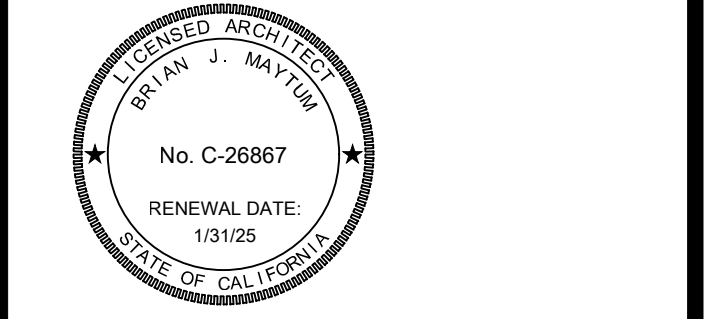
- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT. DIAMETER OF CONDUIT VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE. DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQ'D.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL OR SINGLE PLY SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE DAMAGED FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR FOUR(4) WHIPS PER UNIT.
- (E) ROOF HATCH. REMOVE AND REINSTALL. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. SIZE VARIES. FIELD VERIFY.
- EXISTING EXHAUST FAN. DISCONNECT, REMOVE, AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM EXISTING CURB. SIZE VARIES. FIELD VERIFY.
- DEMO ABANDONED SHEET METAL CAP OVER RAISED CURB. REMOVE FASTENERS AND BLOCKING AND REMOVE ROOFING SYSTEM FROM CURB. PATCH ROOF OPENING TO MATCH ADJACENT ROOFING SYSTEM. SIZE VARIES. FIELD VERIFY.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) RELIEF VENT. REMOVE VENT AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM (E) VENT CURB. SIZE VARIES. FIELD VERIFY.
- (E) ROOF SMOKE HATCH TO BE DEMO'D AND REPLACED. SEE ALTERATION PLAN FOR ADDITIONAL SCOPE.

KEYPLAN:



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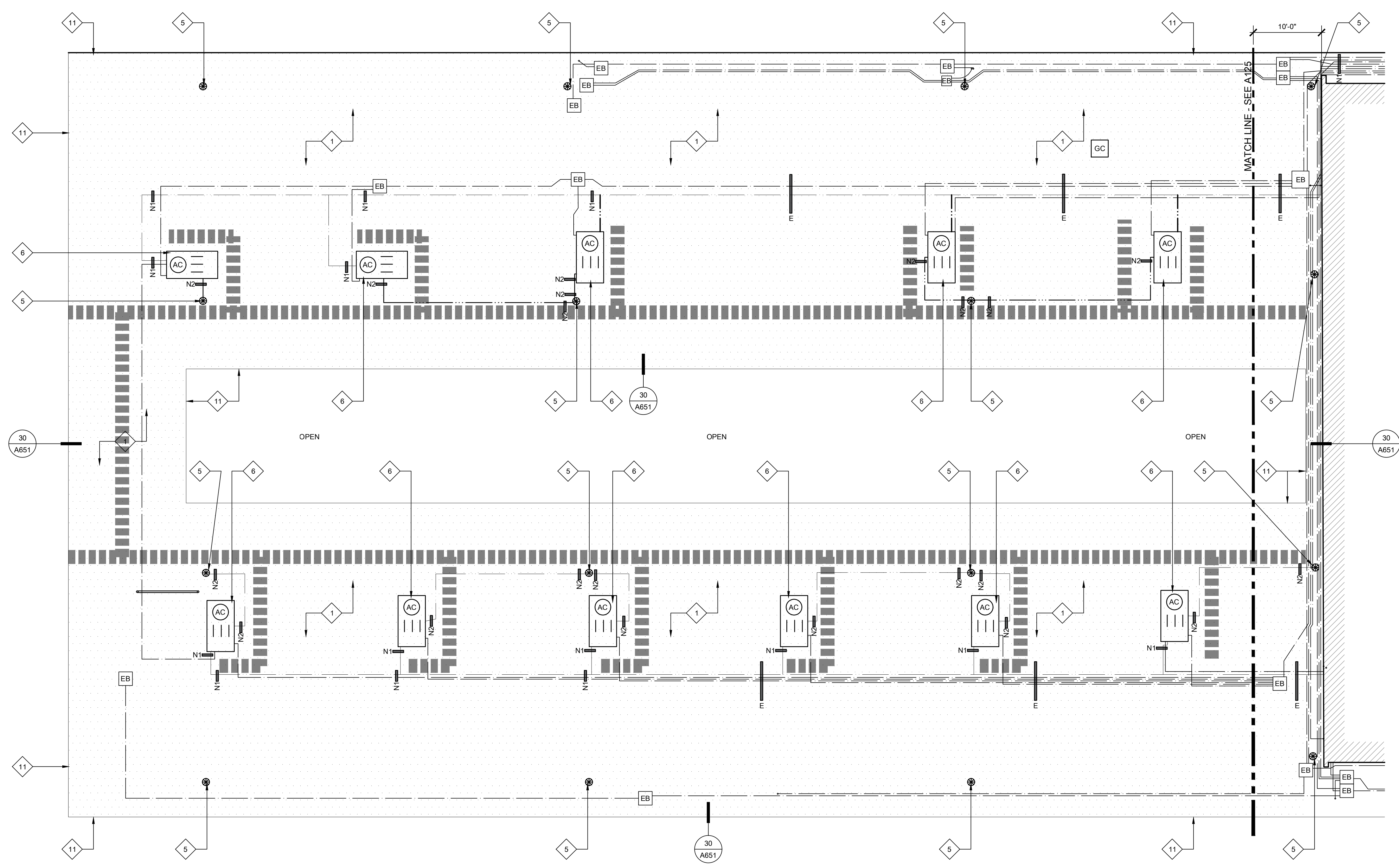
REVISIONS		
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING A
 DEMOLITION
 ROOF PLAN**

SHEET NO.
A124D

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



27 BUILDING A NEW WORK ROOF PLAN
 SCALE: 1/8" = 1'-0"

- KEYNOTES:**
 ALL KEYNOTES MAY NOT BE USED.
- 1 AT MAIN CAMPUS BUILDINGS:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
 - 2 NOT USED.
 - 3 AT MUSIC ROOM AND 2ND STORY CLASSROOM WING:
 - NEW BUILT UP ROOF IN HOT ASPHALT - APPLY 2 COATS OF COOL ROOF COATING OVER CAP SHEET OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
 - 4 AT CANOPIES:
 - INSTALL NEW FULLY ADHERED, FLEECE BACKED TPA SINGLE-PLY IN WATER-BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF DENS-DECK PRIME IN HOT ASPHALT OR LOW RISE FOAM ADHESIVE OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" POLYISOCYANURATE INSULATION IN LOW RISE FOAM ADHESIVE

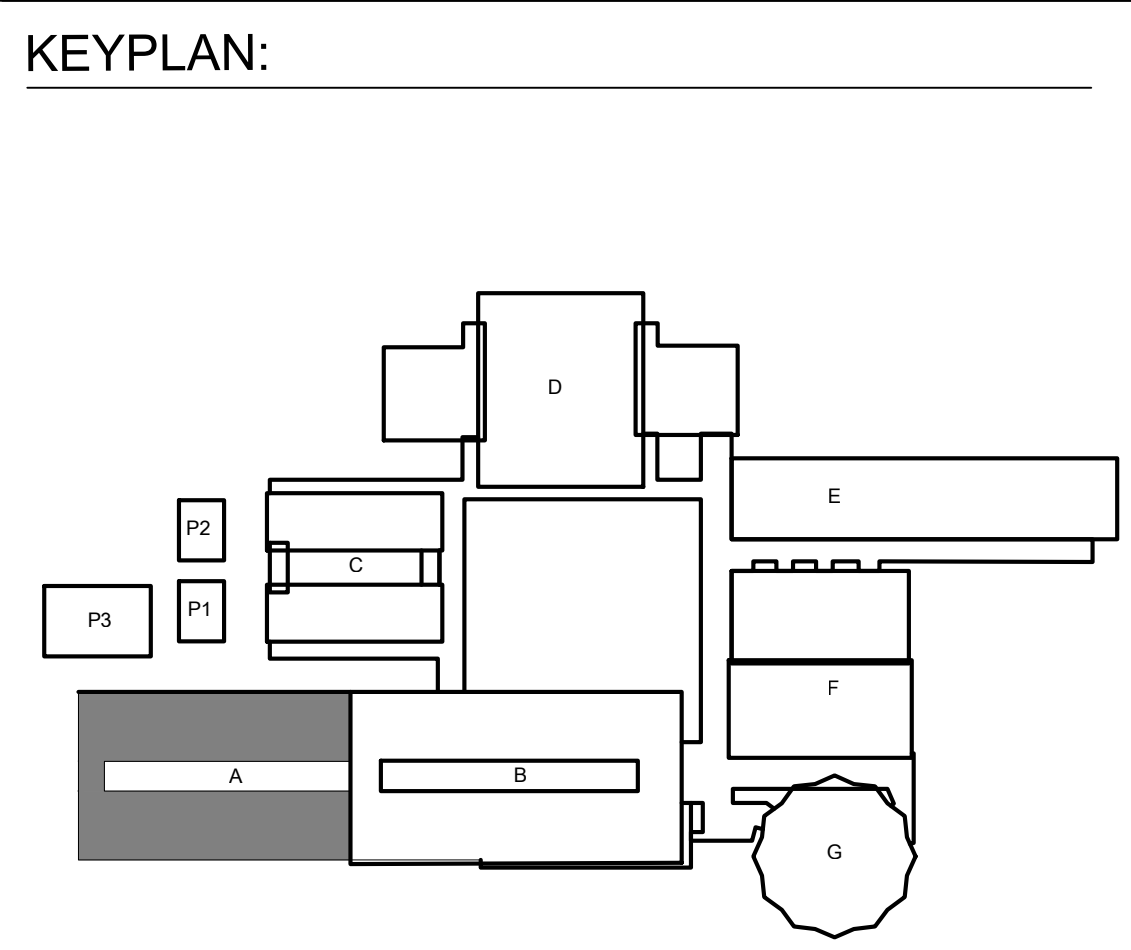
- 5 NEW CAST IRON DRAIN STRAINER AND CLAMP RING ON (E) DRAIN BODY. PROVIDE PROTECTIVE COATING ON (E) DRAIN BODY PRIOR TO INSTALLING NEW WORK. CREATE SUMP AROUND DRAINS WHERE POSSIBLE.
- 6 (E) HVAC UNIT ON RAISED CURB. EXTEND NEW ROOFING SYSTEM UP FACE OF CURB AND TERMINATE ABOVE CURB TRANSITION FLASHING. PROVIDE TERMINATION BAR AROUND FULL PERIMETER. PROVIDE NEW GSM SKIRT - SEE DETAILS 1,2,3,4/A652. ADJUST GAS PIPING FOR ELEVATION CHANGE AT NEW TAPERED ROOF SYSTEM. RELOCATE DIRT LEG TO NEW LOCATION TO NOT INTERFERE WITH ROOF OR MAINTENANCE CLEARANCES.
- 7 EXISTING HVAC SPLIT SYSTEM ON RAISED PLATFORM. PROVIDE NEW ROOF JACKS AT ALL BASE LEGS AND SECURE.
- 8 AT RAISED HUMPS WHERE ROOFING RUNS OVER (E) I-BEAM. CUT ROOFING AT BASE OF I-BEAM AND COVER WITH SEPARATE PIECE PER DETAIL 18/A651.
- 9 NEW INTEGRAL ROOF GUTTER. REMOVE EXISTING ROOFING SYSTEM AND INFILL MATERIAL AND INSET NEW METAL GUTTER PER DETAIL 19/A651.
- 10 NEW GSM CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 11 NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 12 NEW NIPPLE OUTLET THROUGH ROOF DECK TO EXISTING SCUPPER.
- 13 COAT EXISTING ROOF-TOP DUCTWORK WITH WEATHER-RESISTANT COATING. SEE SPEC SECTION 23 31 00.

- 14 NEW GUTTER AND RAIN WATER LEADER - SEE DETAIL 4/A651.
- 15 NEW FRESH AIR LOUVER AND STORM HOOD - SEE DETAIL 26/A651 AND SPEC SECTION 08 31 00.
- 16 EXISTING EXPOSED I-BEAMS TO REMAIN. PROTECT IN PLACE DURING ROOFING. DO NOT APPLY ROOFING SYSTEM TO I-BEAMS. SEE DETAIL 17/A651.

- LEGEND:**
- [Symbol] NEW SINGLE PLY ROOF SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - [Symbol] NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - [Symbol] (E) HVAC UNIT TO REMAIN IN PLACE. EXTEND (N) ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAILS 1,2,3,4/A652. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.
 - [Symbol] (E) ELECTRICAL CONDUIT TO BE RESECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.
 - [Symbol] (E) GAS PIPING TO BE RE-SECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.
 - [Symbol] (N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECONNECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.
 - [Symbol] (N) WALKPAD. PATH SHOWN IS APPROXIMATE BUT SHALL BE INSTALLED ON MAINTENANCE SIDE OF ALL UNITS. AT ALL LOCATIONS WHERE WALKPAD TERMINATES AT EDGE OF ROOF, PROVIDE 4" HIGH PAINTED STENCIL LETTERING ON FASCIA TO READ, "LADDER HERE".

- [Symbol] (E) ELECTRICAL PULL BOX. PROVIDE (N) ANCHORED ROOF BLOCKS RUNNING FULL LENGTH EACH SIDE OF BOX. REATTACH (E) ELECT. BOX TO (N) ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX W/ SEALANT.
- [Symbol] EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RE-SECURE TO CURB. RECONNECT WIRING. SEE 5/A652.
- [Symbol] (E) ROOF HATCH. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- [Symbol] (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 30/A620 SIMILAR.
- [Symbol] NEW ANCHORED ROOF BLOCK. SEE DETAIL 4/A620.
- [Symbol] NEW ADHERED ROOF BLOCK. SEE DETAIL 14/A620.
- [Symbol] NEW ROOF SMOKE HATCH. ANCHOR TO STRUCTURE WITH (3) 1/2" DIAMETER LAG SCREWS PER SIDE WITH 3" EMBED INTO STRUCTURE.
- [Symbol] NEW NIPPLE OUTLET IN NEW GUTTER. EXTEND THROUGH ROOF DECK AND TERMINATE IN EXISTING SCUPPER BOX.

- GENERAL SHEET NOTES:**
1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
 2. AT ALL EXISTING PLUMBING THRU ROOF VENTS (NOT SHOWN) PROVIDE PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8' ABOVE FINISHED ROOF SURFACE. SEE DETAIL 8/A651.
 3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER UNCONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM UNCONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION WITH A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAINS.
 4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN. MAX. DISTANCE TO BE 20' O.C. FROM EACH FIXED BLOCK.
 5. PROVIDE (N) FLOATING BLOCKS (DETAIL 1/A651) AT ALL NEW AND EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECH. CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 5'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
 6. SHRINK WRAP AND PAINT ALL EXPOSED FASTENERS PENETRATING THROUGH ROOF DECK AND VISIBLE FROM BELOW. TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/CANOPIES. SEE SPEC SECTION 07 54 15.
 7. WATER TEST ALL RAIN WATER LEADERS, DOWNSPOUTS, AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE. PROVIDE LOCATION MAP OF ANY PLUGGED LINES TO DISTRICT.
 8. WATER TEST ALL DRAINS PRIOR TO ALTERATION WORK TO CONFIRM THAT THE LINES ARE CLEAN AND THE PLUMBING IS NOT LEAKING. KEEP ALL DRAIN PLUGS CLEAR OF CONSTRUCTION DEBRIS WITH BYPASS PLUGS.

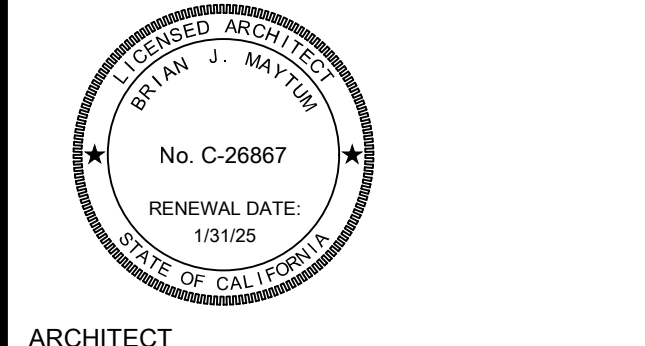


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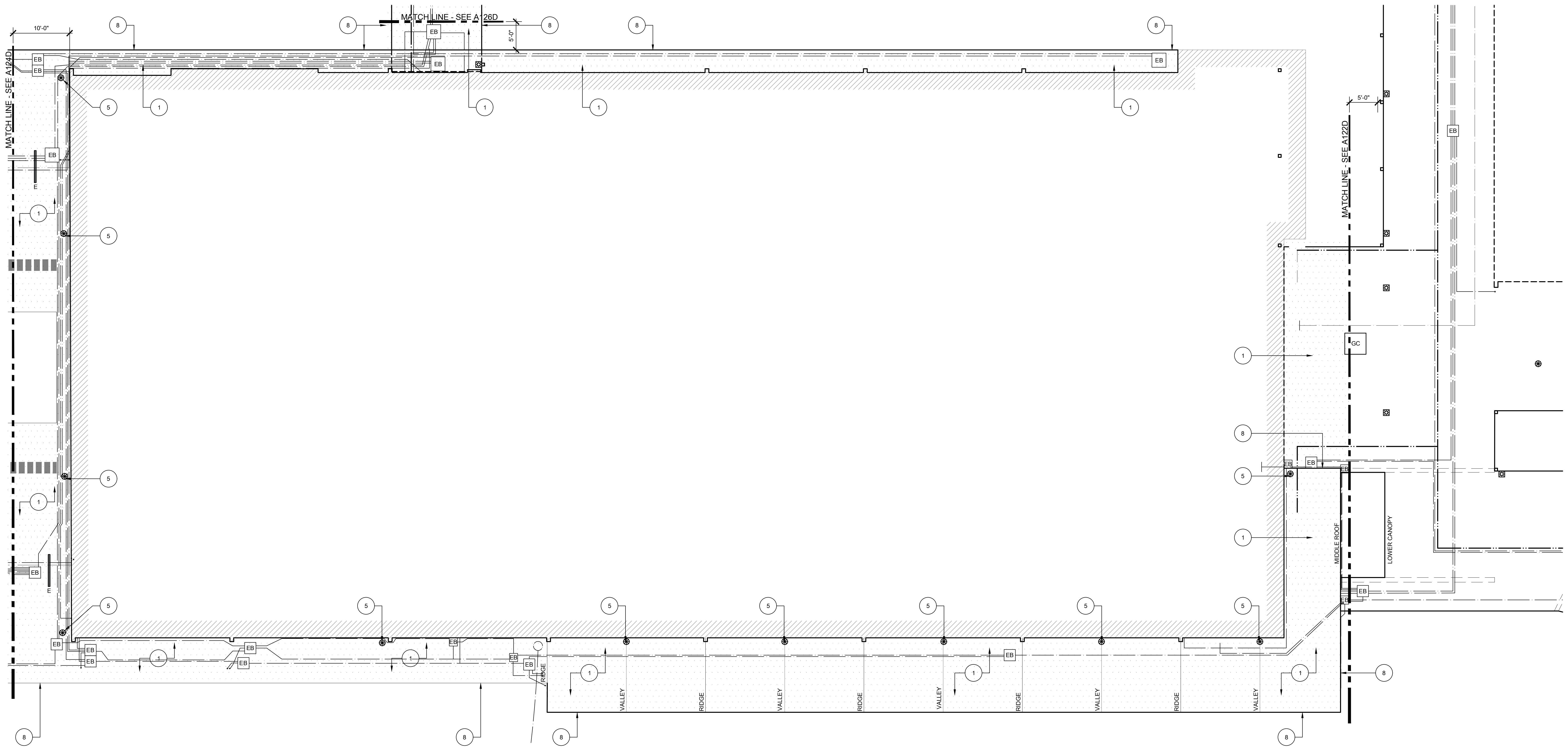
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING A
 NEW WORK
 ROOF PLAN**

SHEET NO.
A124

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



27 BUILDING B LOWER ROOF DEMOLITION ROOF PLAN
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

- ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
- EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
- DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
- EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
- REMOVE EXISTING ROOF-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYNOTES:
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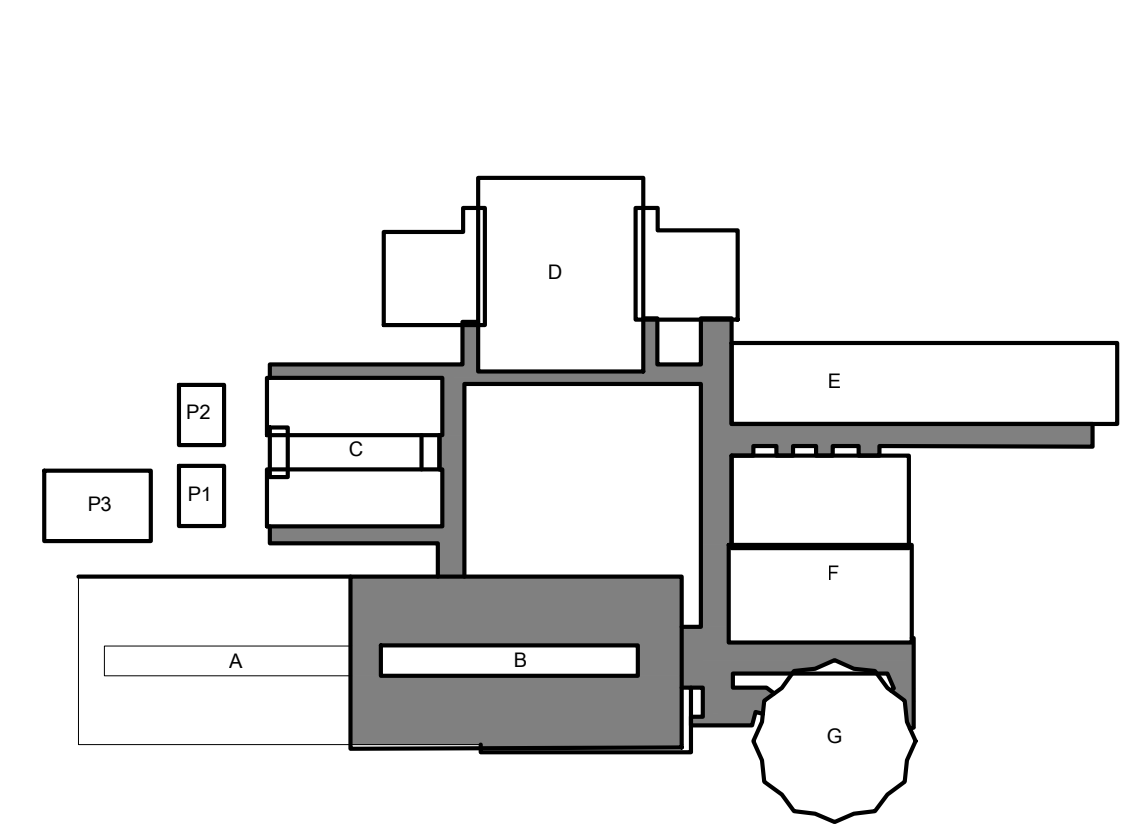
- AT MAIN CAMPUS BUILDINGS AND GYM ROOF VALLEY ROOF CORE; REMOVE (E) ROOF SYSTEM DOWN TO CONCRETE OVER METAL PAN DECKING STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1/2" PERLITE COVERBOARD OVER
 - LIGHTWEIGHT CONCRETE OVER METAL PAN DECKING (STRUCTURE).
- NOT USED.
- AT CANOPY ROOF; REMOVE (E) ROOF SYSTEM DOWN TO METAL DECK STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANULE SURVADED CAP SHEET OVER
 - 1 1/2" PERLITE COVERBOARD OVER
 - 1/2" SHEETROCK OVER
 - METAL DECK (STRUCTURE).
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE (E) ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE EXISTING FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR TWO (2) WHIPS PER UNIT.
- (E) THROUGH-ROOF DRAIN BODY TO REMAIN. CAREFULLY DEMO ROOFING MATERIAL FROM DRAIN BODY. CLEAN DRAIN BODY TO REMOVE ALL (E) MATERIAL. CHASE ALL STRAINER BASKET MOUNTING HOLES.

- EXISTING THROUGH-ROOF NIPPLE OUTLET WITH SCUPPER BOX. REMOVE EXISTING NIPPLE OUTLET. EXISTING SCUPPER BOX AND RAIN WATER LEADER TO REMAIN.
- (E) ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING.
- REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF ROOF.
- REMOVE EXISTING FRESH AIR LOUVER AND REPLACE WITH NEW. SEE NEW WORK PLAN.
- REMOVE EXISTING FASCIA-MOUNTED GUTTER. EXISTING RAIN WATER LEADER TO REMAIN.
- EXISTING I-BEAMS TO REMAIN. REMOVE ROOFING DOWN TO I-BEAM AND PREPARE TO RECEIVE NEW ROOFING SYSTEM.

LEGEND:

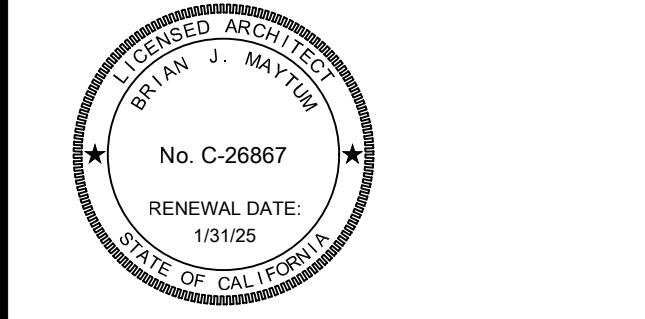
- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT. DIAMETER OF CONDUIT VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE. DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE SUPPORTS AS REQUIRED.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL OR SINGLE PLY SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE DAMAGED FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR FOUR(4) WHIPS PER UNIT.
- (E) ROOF HATCH. REMOVE AND REINSTALL. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
- EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. SIZE VARIES. FIELD VERIFY.
- EXISTING EXHAUST FAN. DISCONNECT, REMOVE, AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM EXISTING CURB. SIZE VARIES. FIELD VERIFY.
- DEMO ABANDONED SHEET METAL CAP OVER RAISED CURB. REMOVE FASTENERS AND BLOCKING AND REMOVE ROOFING SYSTEM FROM CURB. PATCH ROOF OPENING TO MATCH ADJACENT ROOFING SYSTEM. SIZE VARIES. FIELD VERIFY.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) RELIEF VENT. REMOVE VENT AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM (E) VENT CURB. SIZE VARIES. FIELD VERIFY.
- (E) ROOF SMOKE HATCH TO BE DEMO'D AND REPLACED. SEE ALTERATION PLAN FOR ADDITIONAL SCOPE.

KEYPLAN:



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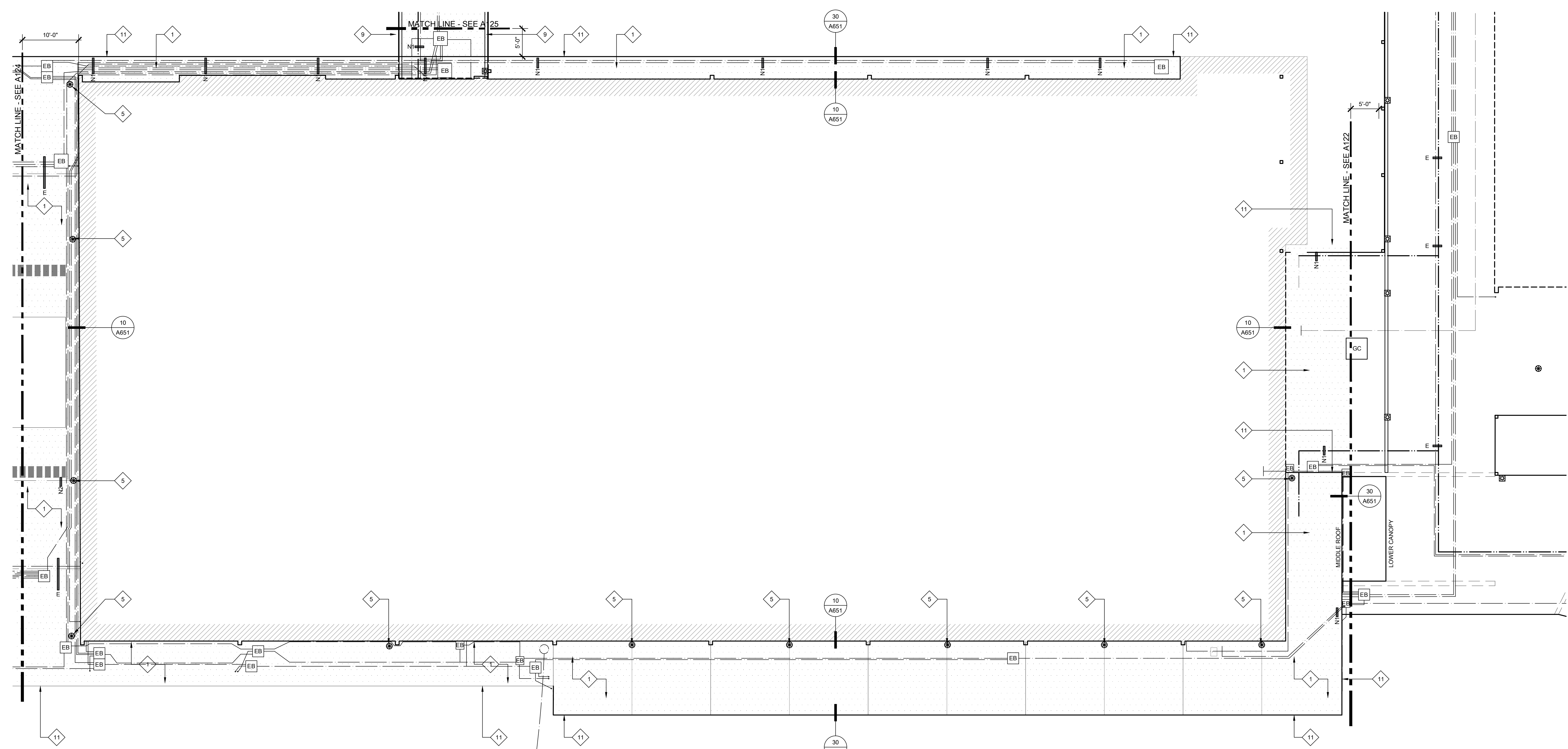
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING B
 LOWER ROOF
 DEMOLITION
 ROOF PLAN**

SHEET NO.
A125D

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET

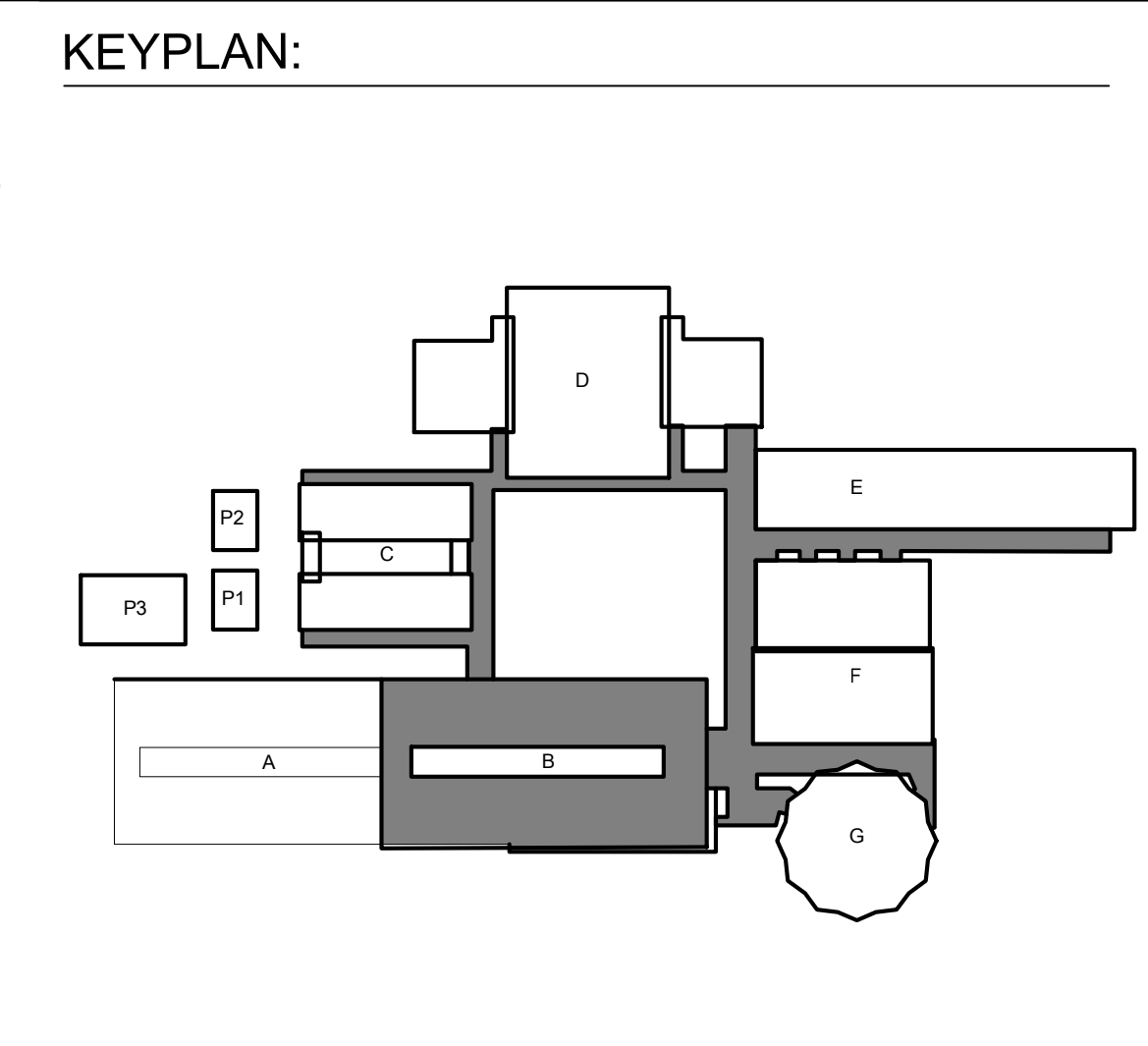


26 BUILDING B LOWER ROOF NEW WORK ROOF PLAN
 SCALE: 1/8" = 1'-0"

- KEYNOTES:**
 ALL KEYNOTES MAY NOT BE USED.
- 1 AT MAIN CAMPUS BUILDINGS:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
 - 2 NOT USED.
 - 3 AT MUSIC ROOM AND 2ND STORY CLASSROOM WING:
 - NEW BUILT UP ROOF IN HOT ASPHALT - APPLY 2 COATS OF COOL ROOF COATING OVER CAP SHEET OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
 - 4 AT CANOPIES:
 - INSTALL NEW FULLY ADHERED, FLEECE BACKED TPA SINGLE-PLY IN WATER-BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF DENS-DECK PRIME IN HOT ASPHALT OR LOW RISE FOAM ADHESIVE OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" POLYISOCYANURATE INSULATION IN LOW RISE FOAM ADHESIVE
 - 5 NEW CAST IRON DRAIN STRAINER AND CLAMP RING ON (E) DRAIN BODY. PROVIDE PROTECTIVE COATING ON (E) DRAIN BODY PRIOR TO INSTALLING NEW WORK. CREATE SUMP AROUND DRAINS WHERE POSSIBLE.
 - 6 (E) HVAC UNIT ON RAISED CURB. EXTEND NEW ROOFING SYSTEM UP FACE OF CURB AND TERMINATE ABOVE CURB TRANSITION FLASHING. PROVIDE TERMINATION BAR AROUND FULL PERIMETER. PROVIDE NEW GSM SKIRT - SEE DETAILS 12.3.4/A652. ADJUST GAS PIPING FOR ELEVATION CHANGE AT NEW TAPERED ROOF SYSTEM. RELOCATE DIRT LEG TO NEW LOCATION TO NOT INTERFERE WITH ROOF OR MAINTENANCE CLEARANCES.
 - 7 EXISTING HVAC SPLIT SYSTEM ON RAISED PLATFORM. PROVIDE NEW ROOF JACKS AT ALL BASE LEGS AND SECURE.
 - 8 AT RAISED HUMPS WHERE ROOFING RUNS OVER (E) I-BEAM. CUT ROOFING AT BASE OF I-BEAM AND COVER WITH SEPARATE PIECE PER DETAIL 18/A651.
 - 9 NEW INTEGRAL ROOF GUTTER. REMOVE EXISTING ROOFING SYSTEM AND INFILL MATERIAL AND INSET NEW METAL GUTTER PER DETAIL 19/A651.
 - 10 NEW GSM CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
 - 11 NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
 - 12 NEW NIPPLE OUTLET THROUGH ROOF DECK TO EXISTING SCUPPER.
 - 13 COAT EXISTING ROOF-TOP DUCTWORK WITH WEATHER-RESISTANT COATING. SEE SPEC SECTION 23 31 00.
 - 14 NEW GUTTER AND RAIN WATER LEADER - SEE DETAIL 4/A651.
 - 15 NEW FRESH AIR LOUVER AND STORM HOOD - SEE DETAIL 26/A651 AND SPEC SECTION 08 91 00.
 - 16 EXISTING EXPOSED I-BEAMS TO REMAIN. PROTECT IN PLACE DURING ROOFING. DO NOT APPLY ROOFING SYSTEM TO I-BEAMS. SEE DETAIL 17/A651.

- LEGEND:**
- [Symbol] NEW SINGLE PLY ROOF SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - [Symbol] NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - [Symbol] (E) HVAC UNIT TO REMAIN IN PLACE. EXTEND (N) ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAILS 12.3.4/A652. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.
 - [Symbol] (E) ELECTRICAL CONDUIT TO BE RESECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.
 - [Symbol] (E) GAS PIPING TO BE RE-SECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.
 - [Symbol] (N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECONNECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.
 - [Symbol] (N) WALKPAD. PATH SHOWN IS APPROXIMATE BUT SHALL BE INSTALLED ON MAINTENANCE SIDE OF ALL UNITS. AT ALL LOCATIONS WHERE WALKPAD TERMINATES AT EDGE OF ROOF, PROVIDE 4" HIGH PAINTED STENCIL LETTERING ON FASCIA TO READ, "LADDER HERE".
 - [Symbol] (E) ELECTRICAL PULL BOX. PROVIDE (N) ANCHORED ROOF BLOCKS RUNNING FULL LENGTH EACH SIDE OF BOX. REATTACH (E) ELECT. BOX TO (N) ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX W/ SEALANT.
 - [Symbol] EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RE-SECURE TO CURB. RECONNECT WIRING. SEE 5/A652.
 - [Symbol] (E) ROOF HATCH. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
 - [Symbol] (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 30/A620 SIMILAR.
 - [Symbol] NEW ANCHORED ROOF BLOCK. SEE DETAIL 4/A620.
 - [Symbol] NEW ADHERED ROOF BLOCK. SEE DETAIL 14/A620.
 - [Symbol] NEW ROOF SMOKE HATCH. ANCHOR TO STRUCTURE WITH (3) 1/2" DIAMETER LAG SCREWS PER SIDE WITH 3" EMBED INTO STRUCTURE.
 - [Symbol] NEW NIPPLE OUTLET IN NEW GUTTER. EXTEND THROUGH ROOF DECK AND TERMINATE IN EXISTING SCUPPER BOX.

- GENERAL SHEET NOTES:**
1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
 2. AT ALL EXISTING PLUMBING THRU ROOF VENTS (NOT SHOWN) PROVIDE PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8' ABOVE FINISHED ROOF SURFACE. SEE DETAIL 8/A651.
 3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER UNCONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM UNCONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION WITH A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAINS.
 4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN. MAX. DISTANCE TO BE 20' O.C. FROM EACH FIXED BLOCK.
 5. PROVIDE (N) FLOATING BLOCKS (DETAIL 1/A651) AT ALL NEW AND EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECH. CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 5'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
 6. SHRINK WRAP AND PAINT ALL EXPOSED FASTENERS PENETRATING THROUGH ROOF DECK AND VISIBLE FROM BELOW. TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/ CANOPIES. SEE SPEC SECTION 07 54 15.
 7. WATER TEST ALL RAIN WATER LEADERS, DOWNSPOUTS, AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE. PROVIDE LOCATION MAP OF ANY PLUGGED LINES TO DISTRICT.
 8. WATER TEST ALL DRAINS PRIOR TO ALTERATION WORK TO CONFIRM THAT THE LINES ARE CLEAN AND THE PLUMBING IS NOT LEAKING. KEEP ALL DRAIN PLUGS CLEAR OF CONSTRUCTION DEBRIS WITH BYPASS PLUGS.

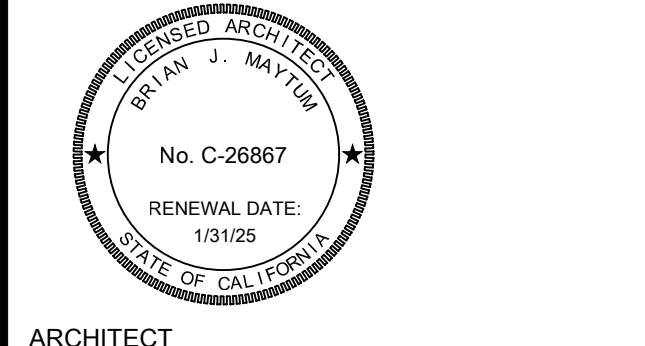


**ALBERT EINSTEIN MIDDLE SCHOOL
 RE-ROOF PROJECT**

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REVISIONS

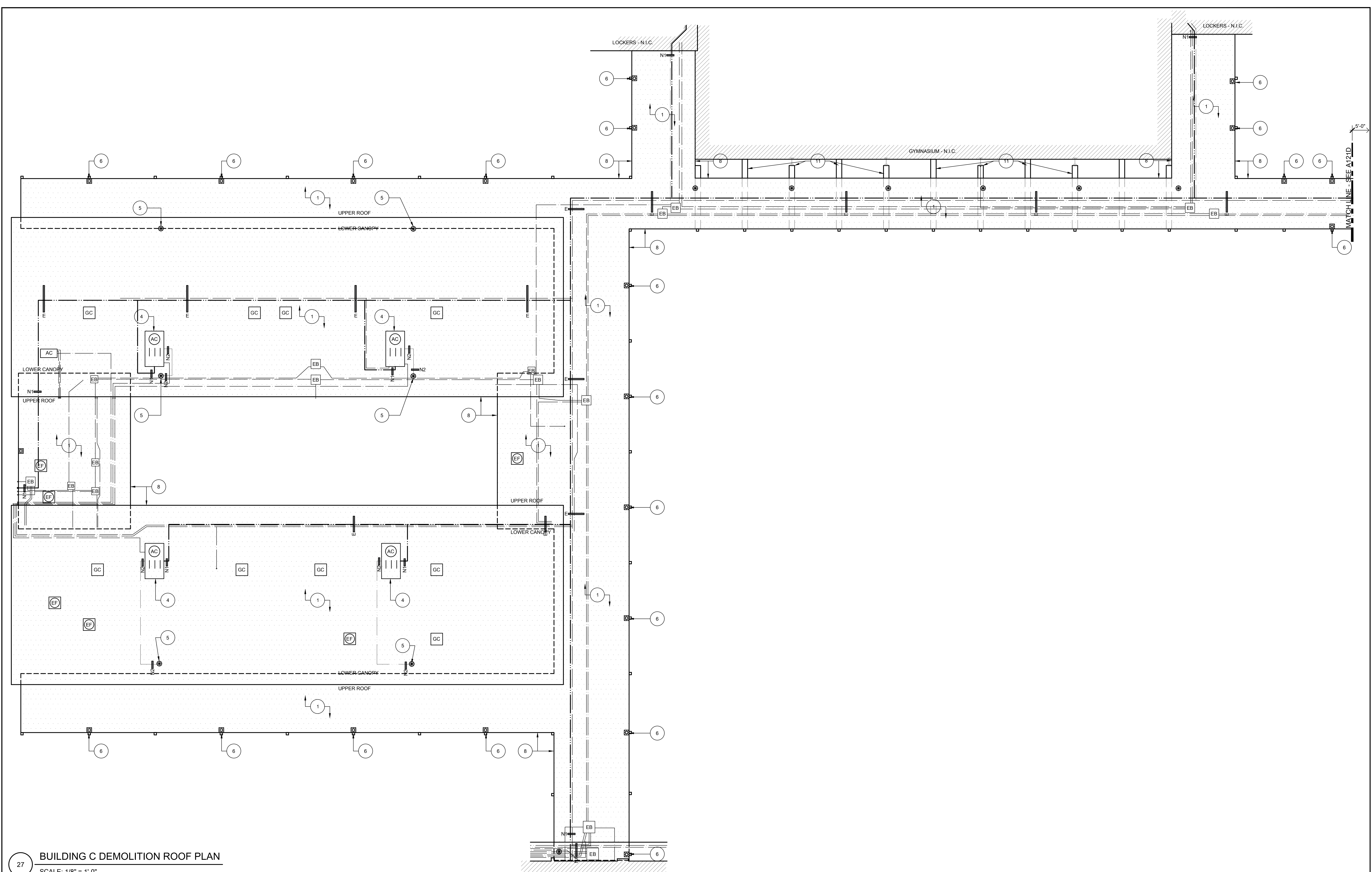
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING B
 LOWER ROOF
 NEW WORK
 ROOF PLAN**

SHEET NO. **A125**

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



27 BUILDING C DEMOLITION ROOF PLAN
 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES:

- ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE REROOF WITH THIS SYSTEMS INTACT.
- EXISTING SMALL THROUGH ROOF PENETRATIONS AND PLUMBING VENTS NOT SHOWN ON PLAN BUT DO EXIST ON BUILDINGS. REMOVE EXISTING BOOT OR MALLEABLE LEAD SHIELD AND PREP PENETRATION FOR NEW ROOF INSTALL.
- DEMOLISH ALL EXISTING FLOATING WOOD BLOCKS AND REPLACE WITH NEW PER ALTERATION PLAN.
- EXISTING FIXED ROOFED-IN SEISMIC BLOCKS ARE TO REMAIN INTACT. REMOVE ROOFING FROM BLOCK AND PROVIDE NEW PER ALTERATION PLAN.
- REMOVE EXISTING ROOF-MOUNTED SECURITY LIGHTING AND SALVAGE TO REINSTALL.

KEYNOTES:
 ALL KEYNOTES MAY NOT BE USED.

- AT MAIN CAMPUS BUILDINGS AND GYM ROOF VALLEY ROOF CORE; REMOVE (E) ROOF SYSTEM DOWN TO CONCRETE OVER METAL PAN DECKING STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANUL SURFACED CAP SHEET OVER
 - 1/2" PERLITE COVERBOARD OVER
 - LIGHTWEIGHT CONCRETE OVER METAL PAN DECKING (STRUCTURE).
- NOT USED.
- AT CANOPY ROOF; REMOVE (E) ROOF SYSTEM DOWN TO METAL DECK STRUCTURE. ROOF IS COMPOSED OF:
 - MULTI-PLY BUR WITH GRANULE SURVADED CAP SHEET OVER
 - 1/2" PERLITE COVERBOARD OVER
 - 1/2" SHEETROCK OVER
 - METAL DECK (STRUCTURE).
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE (E) ROOFING SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE EXISTING FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR TWO (2) WHIPS PER UNIT.
- (E) THROUGH-ROOF DRAIN BODY TO REMAIN. CAREFULLY DEMO ROOFING MATERIAL FROM DRAIN BODY. CLEAN DRAIN BODY TO REMOVE ALL (E) MATERIAL. CHASE ALL STRAINER BASKET MOUNTING HOLES.

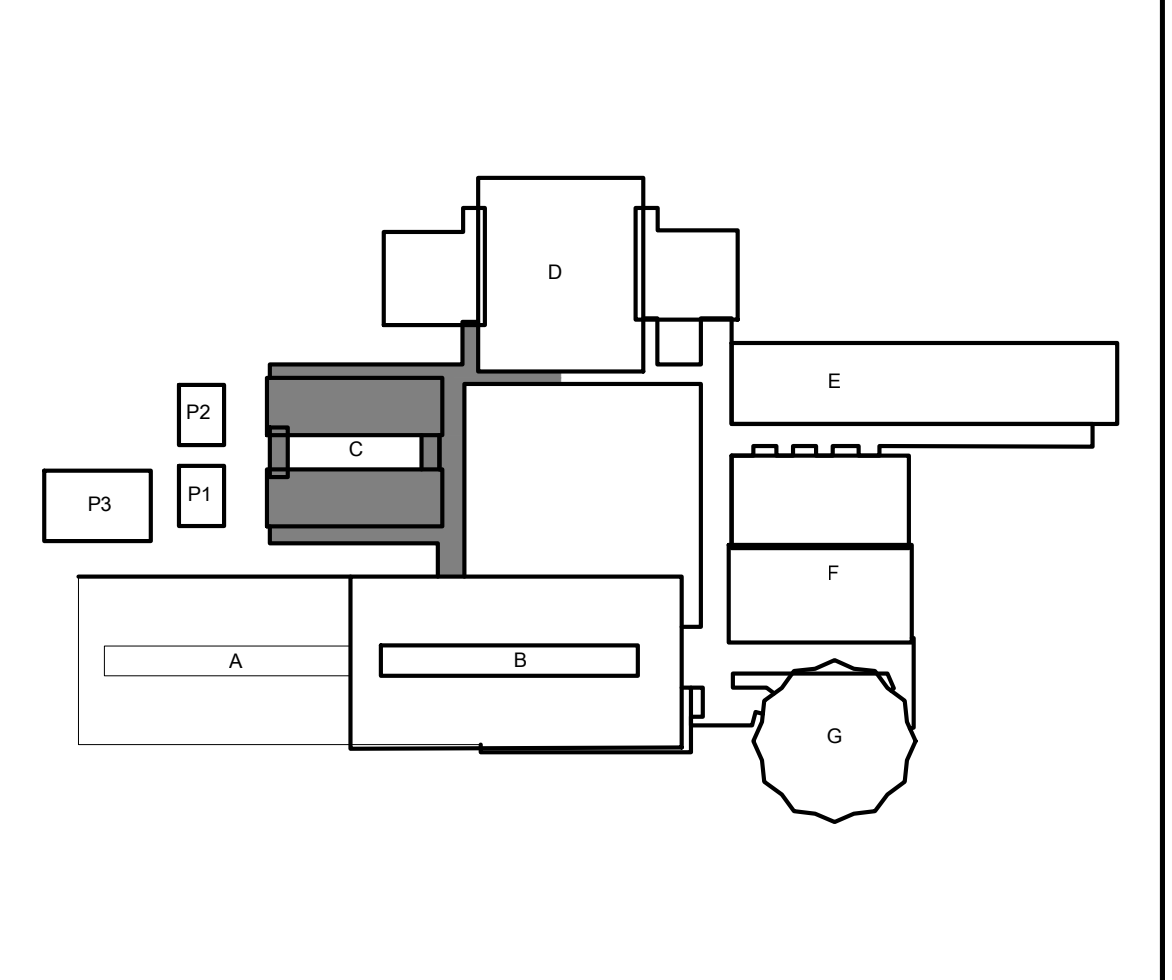
- EXISTING THROUGH-ROOF NIPPLE OUTLET WITH SCUPPER BOX. REMOVE EXISTING NIPPLE OUTLET. EXISTING SCUPPER BOX AND RAIN WATER LEADER TO REMAIN.
- (E) ROOF-TOP DUCTWORK TO REMAIN. PROTECT IN PLACE. REMOVE ALL FLASHING COLLARS AND PREP FOR NEW. PREP ALL DUCTWORK FOR NEW WEATHER PROTECTANT COATING.
- REMOVE ALL EDGE METAL AROUND FULL PERIMETER OF ROOF.
- REMOVE EXISTING FRESH AIR LOUVER AND REPLACE WITH NEW. SEE NEW WORK PLAN.
- REMOVE EXISTING FASCIA-MOUNTED GUTTER. EXISTING RAIN WATER LEADER TO REMAIN.
- EXISTING I-BEAMS TO REMAIN. REMOVE ROOFING DOWN TO I-BEAM AND PREPARE TO RECEIVE NEW ROOFING SYSTEM.

LEGEND:

- DEMO EXISTING ROOF SYSTEM. SEE KEYNOTES FOR ADDITIONAL DEMOLITION INFORMATION.
- (E) ELECTRICAL CONDUITS TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE CONDUIT. DIAMETER OF CONDUIT VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- (E) GAS PIPING TO REMAIN IN PLACE DURING RE-ROOF. EACH LINE ON PLAN REPRESENTS A SINGLE PIPE. DIAMETER VARIES. RAISE AND PROTECT AS REQ'D TO DEMO (E) ROOF SYSTEM DOWN TO SUBSTRATE. DETACH FROM (E) ANCHORED PIPE-SUPPORTS AS REQUIRED.
- EXISTING CONDENSATE PIPING TO BE DEMOLISHED AND REPLACED WITH NEW. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) HVAC UNIT TO REMAIN IN PLACE. REMOVE FASTENERS FROM GSM CAP AND REMOVE (E) CLAD METAL OR SINGLE PLY SYSTEM FROM VERTICAL FACE OF MECHANICAL CURB AND REPLACE WITH NEW PER ALTERATION PLAN. SIZE VARIES. FIELD VERIFY. DISCONNECT (E) FLEX WHIPS (ELECTRICAL AND LOW VOLTAGE) FROM UNIT AND REMOVE DAMAGED FLEX WHIPS. REPLACE WITH NEW PER ALTERATION PLAN. PROVIDE FOR FOUR(4) WHIPS PER UNIT.
- (E) ROOF HATCH. REMOVE AND REINSTALL. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.

- EXISTING ELECTRICAL PULL BOX. OPEN, REMOVE FASTENERS, AND CAREFULLY RAISE BOX AS NEEDED TO REMOVE ROOFING SYSTEM BELOW. SIZE VARIES. FIELD VERIFY.
- EXISTING EXHAUST FAN. DISCONNECT, REMOVE, AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM EXISTING CURB. SIZE VARIES. FIELD VERIFY.
- DEMO ABANDONED SHEET METAL CAP OVER RAISED CURB. REMOVE FASTENERS AND BLOCKING AND REMOVE ROOFING SYSTEM FROM CURB. PATCH ROOF OPENING TO MATCH ADJACENT ROOFING SYSTEM. SIZE VARIES. FIELD VERIFY.
- EXISTING ANCHORED ROOF BLOCK TO BE REUSED. UNBOLT UTILITIES FROM BLOCK AND DEMO FLASHING AND SINGLE PLY SYSTEM OVER BLOCK. SEE ALTERATION PLAN FOR ADDITIONAL INFORMATION.
- (E) RELIEF VENT. REMOVE VENT AND SALVAGE FOR REINSTALLATION. REMOVE ROOFING FROM (E) VENT CURB. SIZE VARIES. FIELD VERIFY.
- (E) ROOF SMOKE HATCH TO BE DEMO'D AND REPLACED. SEE ALTERATION PLAN FOR ADDITIONAL SCOPE.

KEYPLAN:



**ALBERT EINSTEIN MIDDLE SCHOOL
 RE-ROOF PROJECT**
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ARCHITECT
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REVISIONS

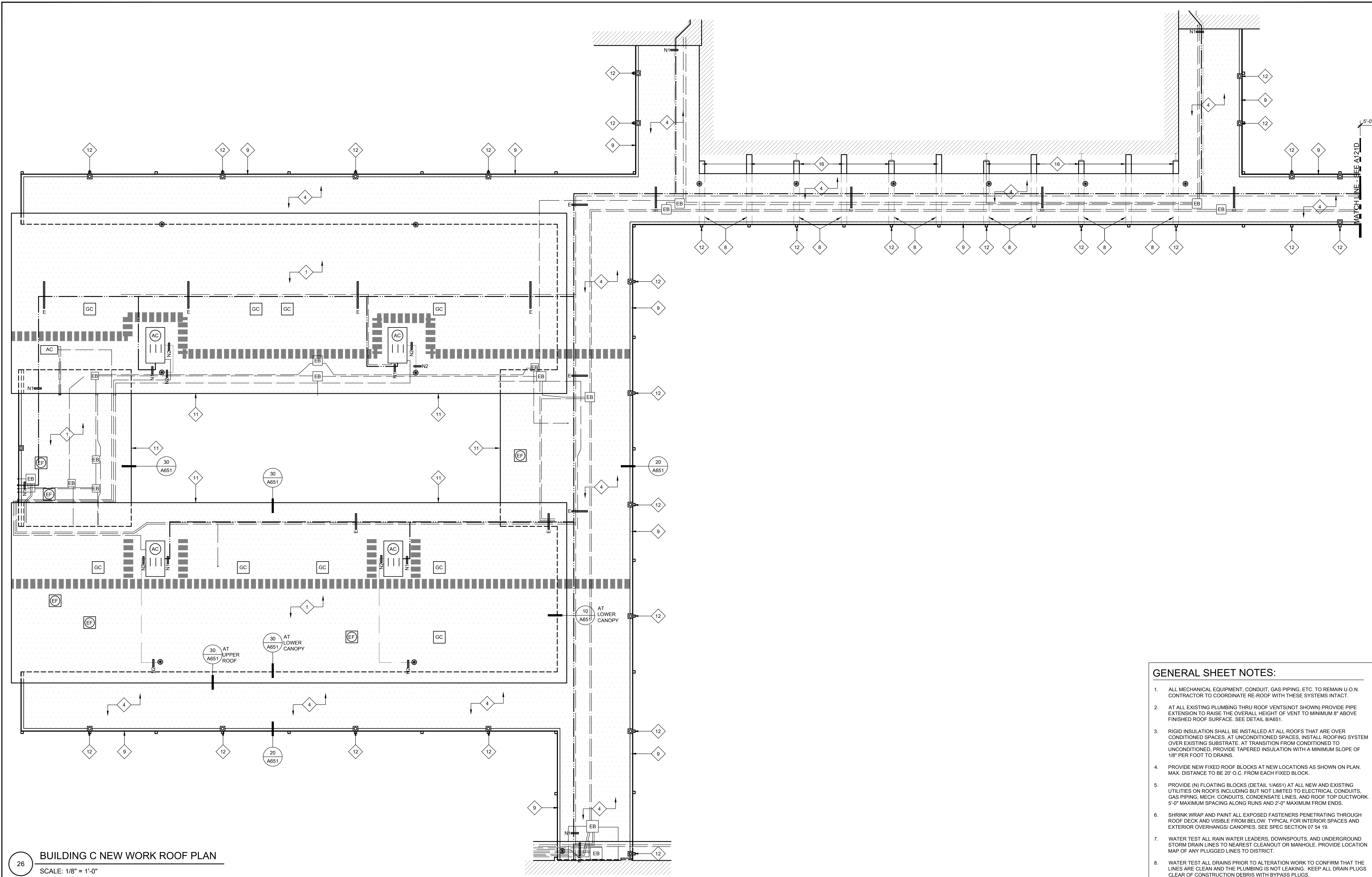
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING C
 DEMOLITION
 ROOF PLAN**

SHEET NO.
A126D

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



26 BUILDING C NEW WORK ROOF PLAN
 SCALE: 1/8" = 1'-0"

KEYNOTES:
 ALL KEYNOTES MAY NOT BE USED.

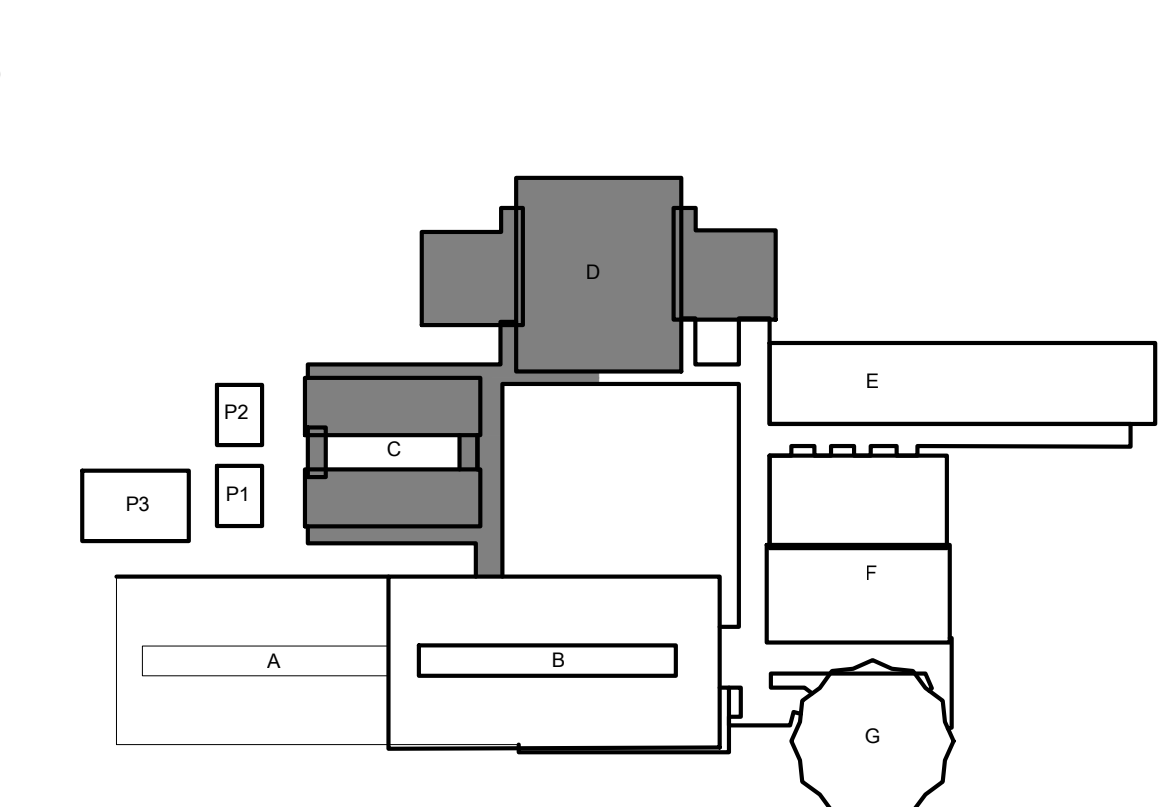
- 1 AT MAIN CAMPUS BUILDINGS:
 - NEW FULLY ADHERED FLEECE BACKED TPA SINGLE PLY IN WATER BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
- 2 NOT USED.
- 3 AT MUSIC ROOM AND 2ND STORY CLASSROOM WING:
 - NEW BUILT UP ROOF IN HOT ASPHALT - APPLY 2 COATS OF COOL ROOF COATING OVER CAP SHEET OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1/2" DENS-DECK PRIME IN LOW RISE FOAM ADHESIVE OVER EXISTING LIGHTWEIGHT CONCRETE DECK
- 4 AT CANOPIES:
 - INSTALL NEW FULLY ADHERED, FLEECE BACKED TPA SINGLE-PLY IN WATER-BASED ADHESIVE OR HOT ASPHALT OVER
 - NEW FULLY ADHERED SINGLE LAYER OF DENS-DECK PRIME IN HOT ASPHALT OR LOW RISE FOAM ADHESIVE OVER
 - NEW FULLY ADHERED SINGLE LAYER OF 1 1/2" POLYISOCYANURATE INSULATION IN LOW RISE FOAM ADHESIVE
- 5 NEW CAST IRON DRAIN STRAINER AND CLAMP RING ON (E) DRAIN BODY. PROVIDE PROTECTIVE COATING ON (E) DRAIN BODY PRIOR TO INSTALLING NEW WORK. CREATE SUMP AROUND DRAINS WHERE POSSIBLE.
- 6 (E) HVAC UNIT ON RAISED CURB. EXTEND NEW ROOFING SYSTEM UP FACE OF CURB AND TERMINATE ABOVE CURB TRANSITION FLASHING. PROVIDE TERMINATION BAR AROUND FULL PERIMETER. PROVIDE NEW GSM SKIRT - SEE DETAILS 12.3.4/A652. ADJUST GAS PIPING FOR ELEVATION CHANGE AT NEW TAPERED ROOF SYSTEM. RELOCATE DIRT LEG TO NEW LOCATION TO NOT INTERFERE WITH ROOF OR MAINTENANCE CLEARANCES.
- 7 EXISTING HVAC SPLIT SYSTEM ON RAISED PLATFORM. PROVIDE NEW ROOF JACKS AT ALL BASE LEGS AND SECURE.
- 8 AT RAISED HUMPS WHERE ROOFING RUNS OVER (E) I-BEAM. CUT ROOFING AT BASE OF I-BEAM AND COVER WITH SEPARATE PIECE PER DETAIL 18/A651.
- 9 NEW INTEGRAL ROOF GUTTER. REMOVE EXISTING ROOFING SYSTEM AND INFILL MATERIAL AND INSET NEW METAL GUTTER PER DETAIL 19/A651.
- 10 NEW GSM CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 11 NEW PVC CLAD EXTENDED HEIGHT EDGE METAL AND CLEAT.
- 12 NEW NIPPLE OUTLET THROUGH ROOF DECK TO EXISTING SCUPPER.
- 13 COAT EXISTING ROOF-TOP DUCTWORK WITH WEATHER-RESISTANT COATING. SEE SPEC SECTION 23 31 00.
- 14 NEW GUTTER AND RAIN WATER LEADER - SEE DETAIL 4/A651.
- 15 NEW FRESH AIR LOUVER AND STORM HOOD - SEE DETAIL 26/A651 AND SPEC SECTION 08 91 00.
- 16 EXISTING EXPOSED I-BEAMS TO REMAIN. PROTECT IN PLACE DURING ROOFING. DO NOT APPLY ROOFING SYSTEM TO I-BEAMS. SEE DETAIL 17/A651.

- LEGEND:**
- (NEW SINGLE PLY ROOF SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - (NEW BUILT-UP ROOFING SYSTEM. SEE SPECIFICATIONS FOR ADD'L INFO.
 - (E) HVAC UNIT TO REMAIN IN PLACE. EXTEND (N) ROOFING UP VERTICAL FACE OF CURB AND PROVIDE NEW TERMINATION BAR AT TOP OF CURB UNDER COUNTERFLASHING. SEE DETAILS 12.3.4/A652. PROVIDE NEW FLEXIBLE WHIPS AT ALL ELECTRICAL/LOW VOLTAGE CONNECTIONS.
 - (E) ELECTRICAL CONDUIT TO BE RESECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL CONDUITS.
 - (E) GAS PIPING TO BE RE-SECURED TO (E) ANCHORED ROOF SUPPORTS. SEE PLAN FOR ADDITIONAL NEW ANCHORED/ADHERED BLOCKS. IN ADDITION, PROVIDE NEW FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE. PAINT WITH URETHANE PAINT.
 - (N) GALVANIZED CONDENSATE PIPING TO BE INSTALLED AND RECONNECTED TO HVAC UNIT PER DETAIL 28/A651. SEE PLAN FOR ADD'L (N) ADHERED BLOCKS. IN ADDITION, PROVIDE (N) FLOATING ROOF BLOCKS AT 6'-0" O.C. ALONG TOTAL LENGTH OF ALL PIPE.
 - (N) WALKPAD. PATH SHOWN IS APPROXIMATE BUT SHALL BE INSTALLED ON MAINTENANCE SIDE OF ALL UNITS. AT ALL LOCATIONS WHERE WALKPAD TERMINATES AT EDGE OF ROOF, PROVIDE 4" HIGH PAINTED STENCIL LETTERING ON FASCIA TO READ, "LADDER HERE".
 - (E) ELECTRICAL PULL BOX. PROVIDE (N) ANCHORED ROOF BLOCKS RUNNING FULL LENGTH EACH SIDE OF BOX. REATTACH (E) ELECT. BOX TO (N) ANCHORED BLOCKS. SEAL ALL HOLES IN ELECTRICAL BOX W/ SEALANT.
 - EXISTING EXHAUST FAN. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB. SET FAN BODY IN BED OF SEALANT AND RE-SECURE TO CURB. RECONNECT WIRING. SEE 5/A652.
 - (E) ROOF HATCH. EXTEND NEW ROOFING SYSTEM UP AND OVER CURB TERMINATING INSIDE RAISED CURB.
 - (E) ANCHORED BLOCK TO BE REUSED. PROVIDE SINGLE PLY ROOF SYSTEM OVER BLOCK AND NEW GSM CAP. RESECURE UTILITIES TO TOP OF BLOCK WITH NEW FASTENERS. SEE DETAIL 30/A620 SIMILAR.
 - NEW ANCHORED ROOF BLOCK. SEE DETAIL 4/A620.
 - NEW ADHERED ROOF BLOCK. SEE DETAIL 14/A620.
 - NEW ROOF SMOKE HATCH. ANCHOR TO STRUCTURE WITH (3) 1/2" DIAMETER LAG SCREWS PER SIDE WITH 3" EMBED INTO STRUCTURE.
 - NEW NIPPLE OUTLET IN NEW GUTTER. EXTEND THROUGH ROOF DECK AND TERMINATE IN EXISTING SCUPPER BOX.

GENERAL SHEET NOTES:

1. ALL MECHANICAL EQUIPMENT, CONDUIT, GAS PIPING, ETC. TO REMAIN U.O.N. CONTRACTOR TO COORDINATE RE-ROOF WITH THESE SYSTEMS INTACT.
2. AT ALL EXISTING PLUMBING THRU ROOF VENTS (NOT SHOWN) PROVIDE PIPE EXTENSION TO RAISE THE OVERALL HEIGHT OF VENT TO MINIMUM 8' ABOVE FINISHED ROOF SURFACE. SEE DETAIL 8/A651.
3. RIGID INSULATION SHALL BE INSTALLED AT ALL ROOFS THAT ARE OVER UNCONDITIONED SPACES. AT UNCONDITIONED SPACES, INSTALL ROOFING SYSTEM OVER EXISTING SUBSTRATE. AT TRANSITION FROM CONDITIONED TO UNCONDITIONED, PROVIDE TAPERED INSULATION WITH A MINIMUM SLOPE OF 1/8" PER FOOT TO DRAINS.
4. PROVIDE NEW FIXED ROOF BLOCKS AT NEW LOCATIONS AS SHOWN ON PLAN. MAX. DISTANCE TO BE 20' O.C. FROM EACH FIXED BLOCK.
5. PROVIDE (N) FLOATING BLOCKS (DETAIL 1/A651) AT ALL NEW AND EXISTING UTILITIES ON ROOFS INCLUDING BUT NOT LIMITED TO ELECTRICAL CONDUITS, GAS PIPING, MECH. CONDUITS, CONDENSATE LINES, AND ROOF TOP DUCTWORK. 5'-0" MAXIMUM SPACING ALONG RUNS AND 2'-0" MAXIMUM FROM ENDS.
6. SHRINK WRAP AND PAINT ALL EXPOSED FASTENERS PENETRATING THROUGH ROOF DECK AND VISIBLE FROM BELOW. TYPICAL FOR INTERIOR SPACES AND EXTERIOR OVERHANGS/CANOPIES. SEE SPEC SECTION 07 54 15.
7. WATER TEST ALL RAIN WATER LEADERS, DOWNSPOUTS, AND UNDERGROUND STORM DRAIN LINES TO NEAREST CLEANOUT OR MANHOLE. PROVIDE LOCATION MAP OF ANY PLUGGED LINES TO DISTRICT.
8. WATER TEST ALL DRAINS PRIOR TO ALTERATION WORK TO CONFIRM THAT THE LINES ARE CLEAN AND THE PLUMBING IS NOT LEAKING. KEEP ALL DRAIN PLUGS CLEAR OF CONSTRUCTION DEBRIS WITH BYPASS PLUGS.

KEYPLAN:



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 RE-ROOF PROJECT**
 9325 MIRANDY DR
 SACRAMENTO, CA 95826
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

CONSULTANT

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 600 Q Street, Suite 100
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 916.329.4000

ARCHITECT

PROCESSED AND APPROVED BY: [Signature]
 No. C-26887
 RENEWAL DATE: [Blank]
 STATE OF CALIFORNIA

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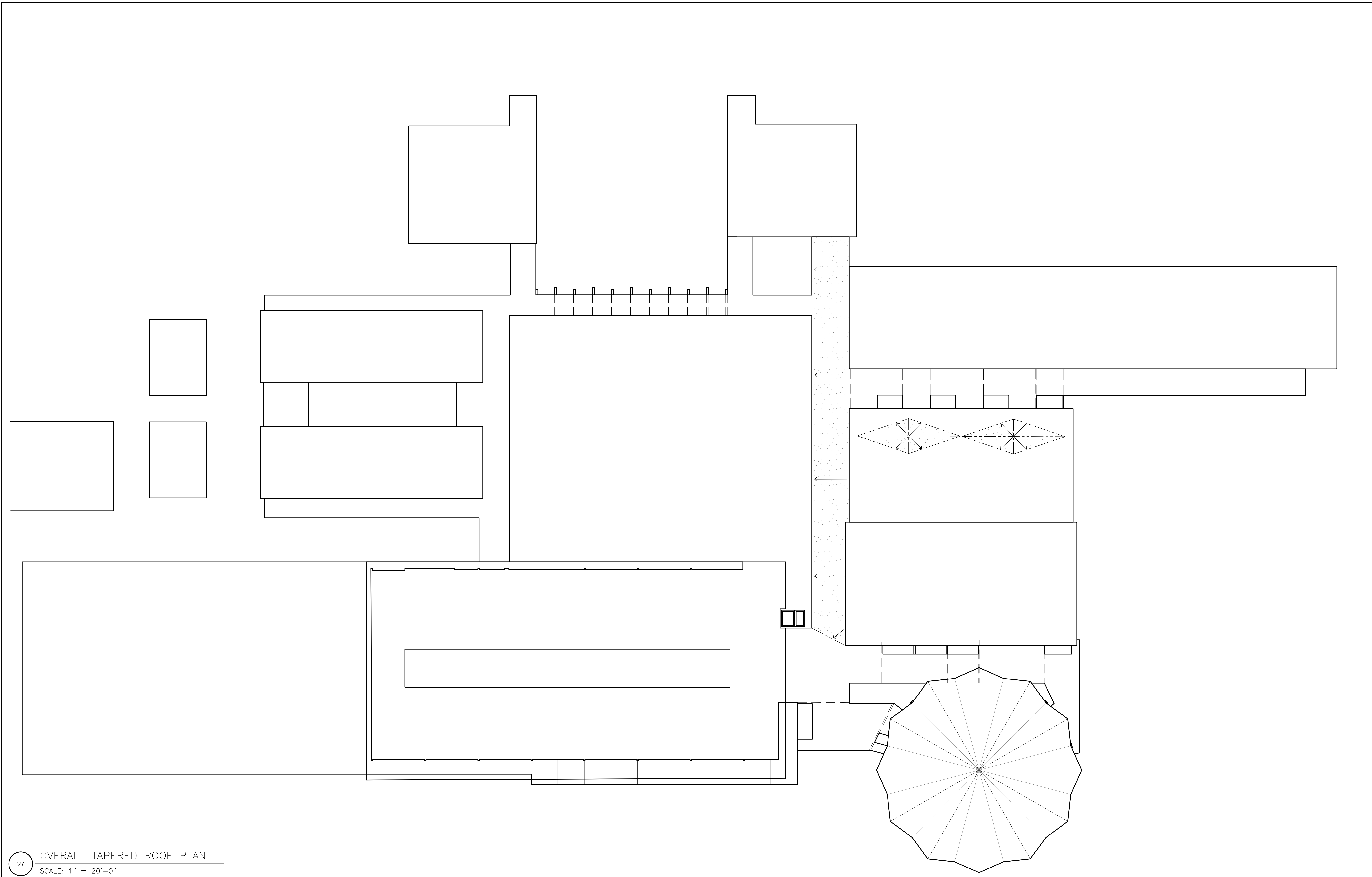
REVISIONS		
NO.	DESCRIPTION	DATE

DATE: 03/21/2023
 JOB NO.: Y2243.00
 SHEET TITLE

**BUILDING C
 NEW WORK
 ROOF PLAN**

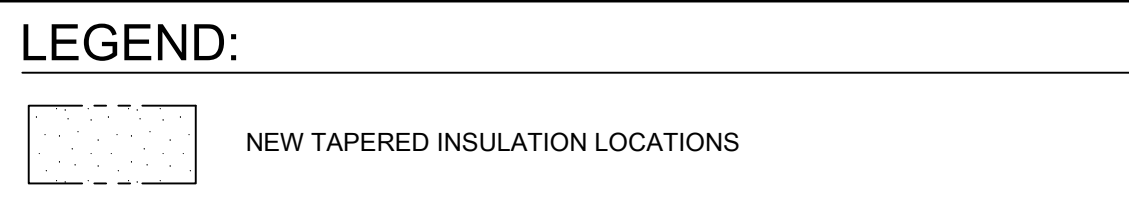
SHEET NO. **A126**

ONE AND ONE-HALF INCH = ONE FOOT
 ONE INCH = ONE FOOT
 THREE-QUARTERS INCH = ONE FOOT
 ONE-HALF INCH = ONE FOOT
 ONE-QUARTER INCH = ONE FOOT
 ONE-EIGHTH INCH = ONE FOOT
 ONE-SIXTEENTH INCH = ONE FOOT
 ONE INCH = TWENTY FEET



27 OVERALL TAPERED ROOF PLAN
 SCALE: 1" = 20'-0"

- GENERAL NOTES:**
- THESE NOTES APPLY TO THIS SHEET ONLY.
- THIS SHEET IS DIAGRAMMATIC. LENGTHS MAY VARY DEPENDING ON LOCATIONS OF EXISTING EQUIPMENT.
 - CREATE SUMPS AROUND ROOF DRAINS WHERE POSSIBLE.
 - TAPERED ROOF PLANS SHOWN ABOVE ARE IN ADDITION TO ROOF SYSTEMS CALLED OUT ON NEW WORK ROOF PLANS. PROVIDE 1/8" 12 SLOPED TAPERED AT LOCATIONS SHOWN. CONTRACTOR TO ADJUST AS NECESSARY FOR FIELD CONDITIONS.
 - ALL EXISTING VENT PIPES LOCATED IN NEW TAPERED INSULATION SHALL BE EXTENDED TO 6" MINIMUM ABOVE INSULATION THICKNESS.



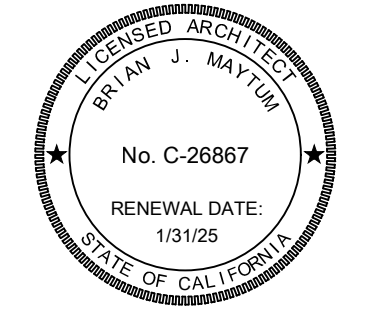
ALBERT EINSTEIN MIDDLE SCHOOL
 RE-ROOF PROJECT

9325 MIRANDY DR
 SACRAMENTO, CA 95826

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

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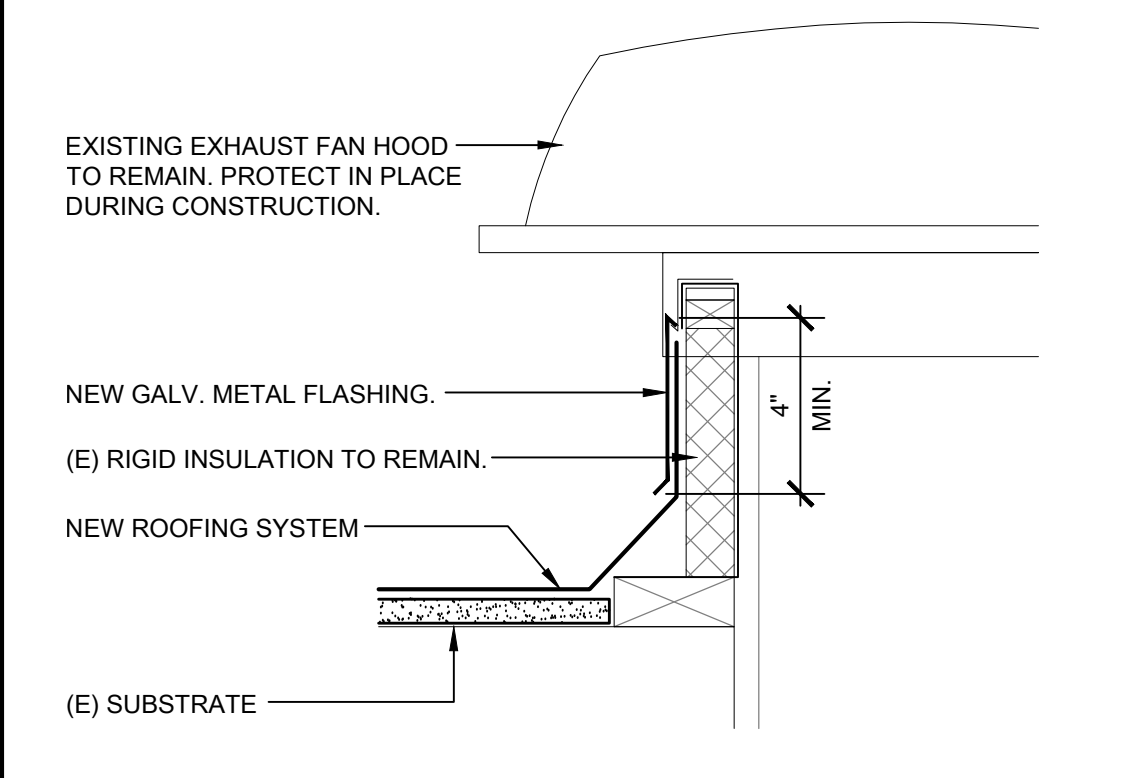
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 SHEET TITLE

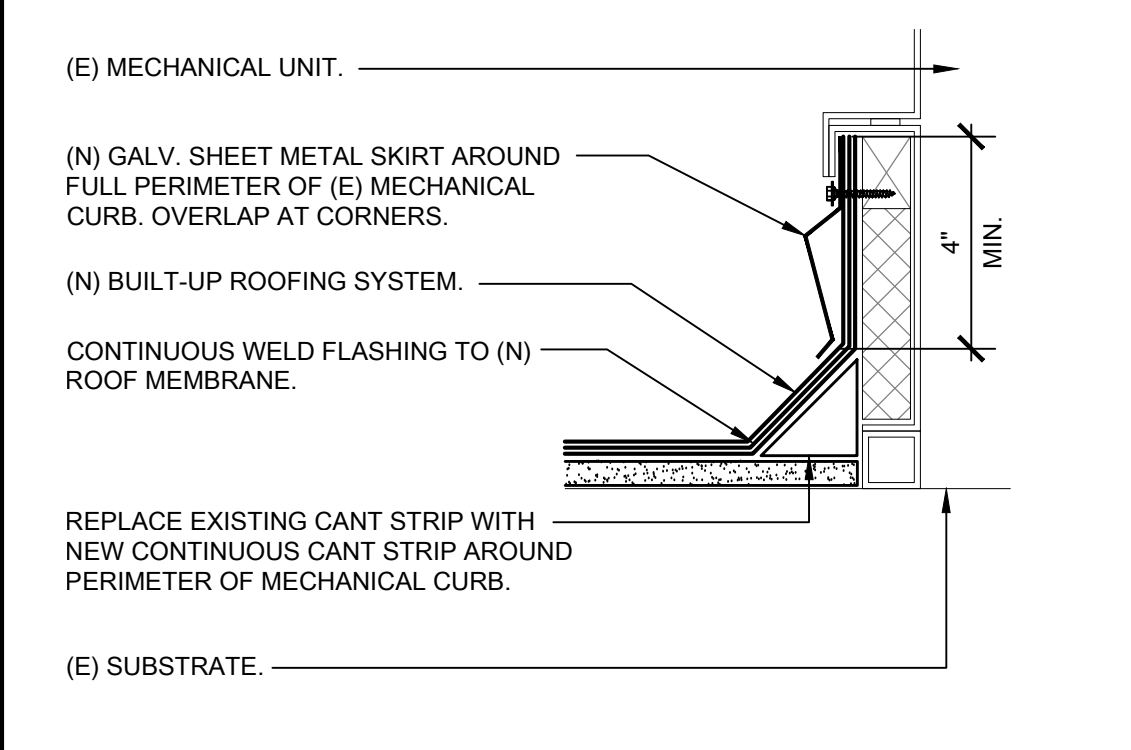
OVERALL TAPERED ROOF PLAN

SHEET NO.
 A127

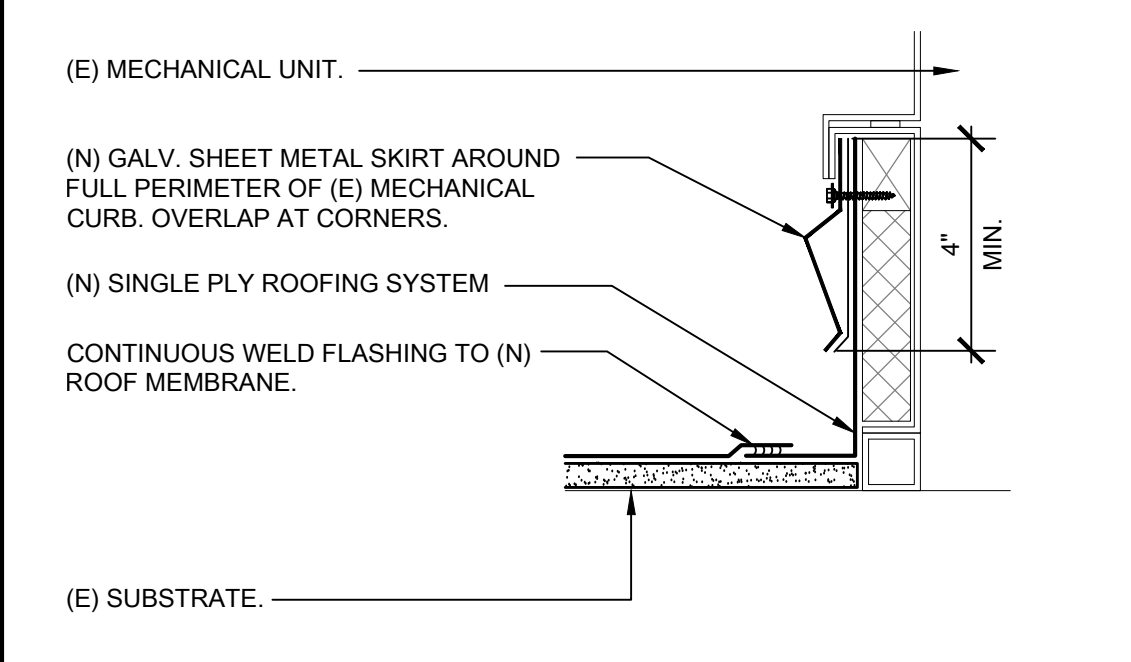
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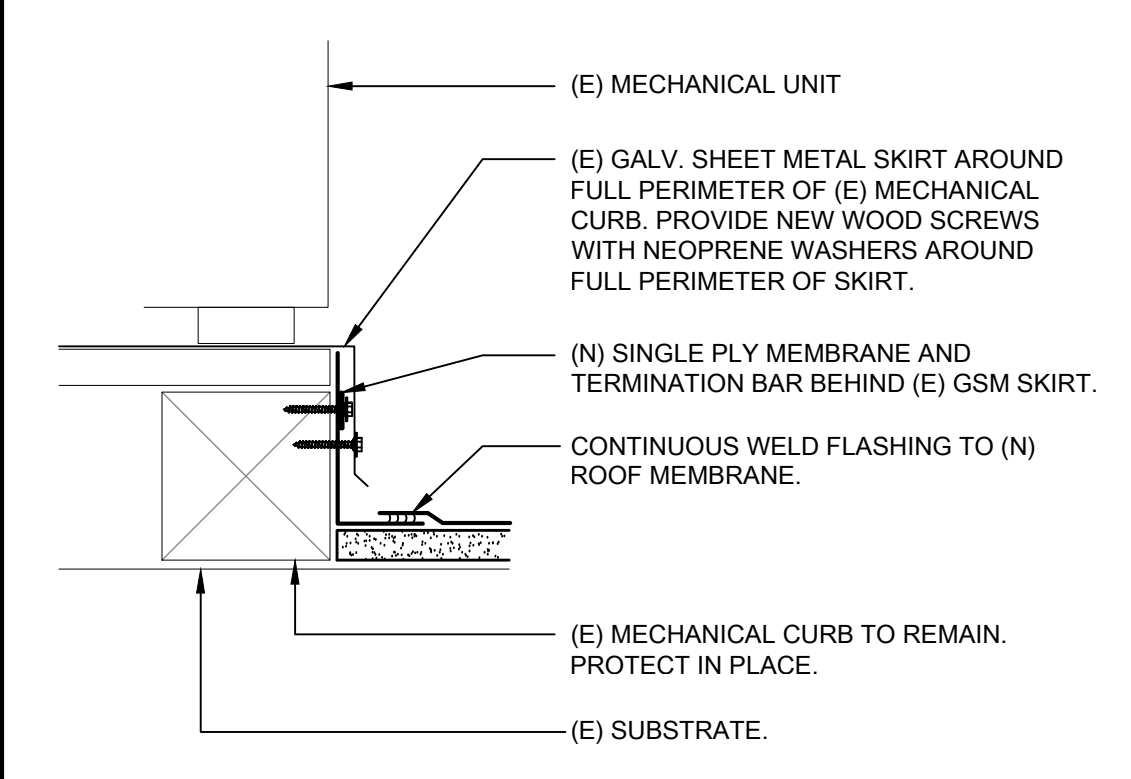
5 ROOFING AT CANOPY AND WALL
 SCALE: 3" = 1'-0"



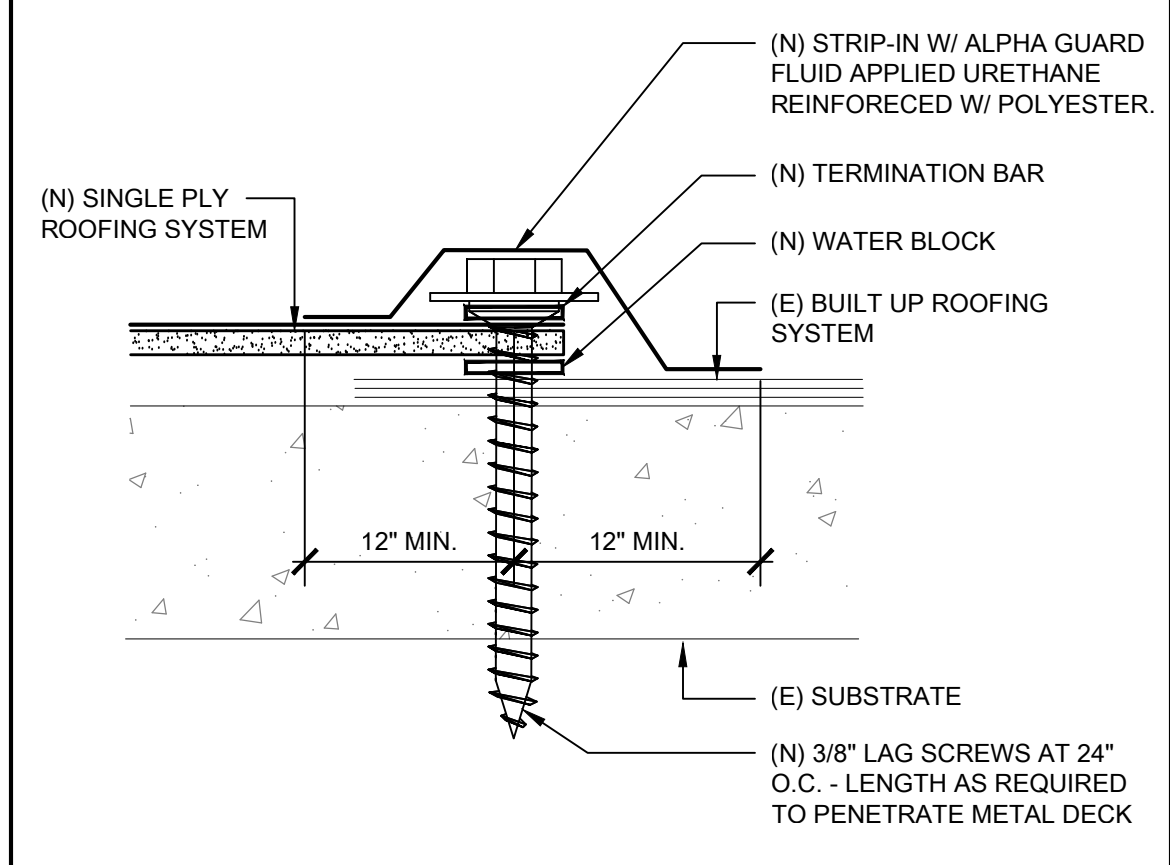
4 ROOFING AT MECHANICAL UNIT
 SCALE: 3" = 1'-0"



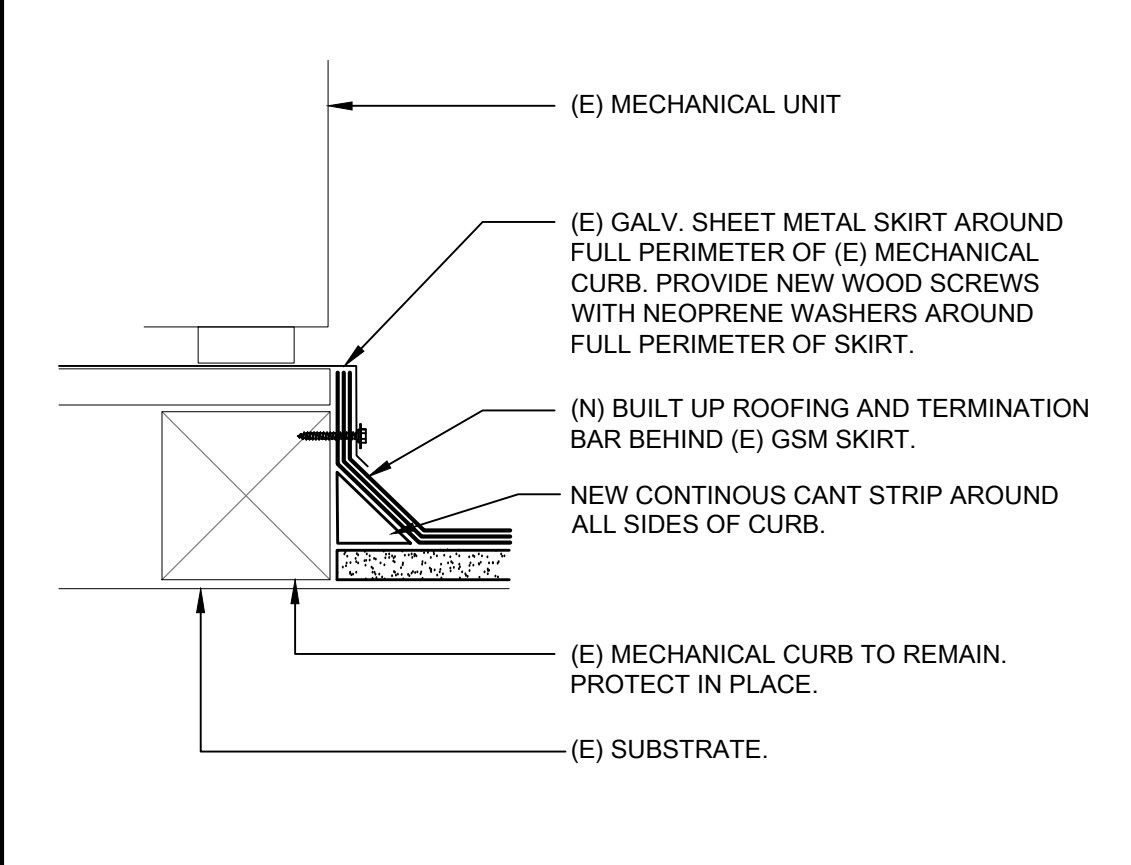
3 ROOFING AT MECHANICAL UNIT
 SCALE: 3" = 1'-0"



2 SINGLE PLY ROOF AT MECH. CURB
 SCALE: 3" = 1'-0"



6 (N) AND (E) ROOFING CONNECTION
 SCALE: 3" = 1'-0"



1 BUILT-UP ROOFING AT MECH. CURB
 SCALE: 3" = 1'-0"

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ROOF DETAILS

SHEET NO. A652