



REPLACE LIBRARY ROOF

SUCF PROJECT #291071

STATE UNIVERSITY COLLEGE AT PURCHASE
735 Anderson Hill Rd.
Purchase, NY 10577



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Conditions
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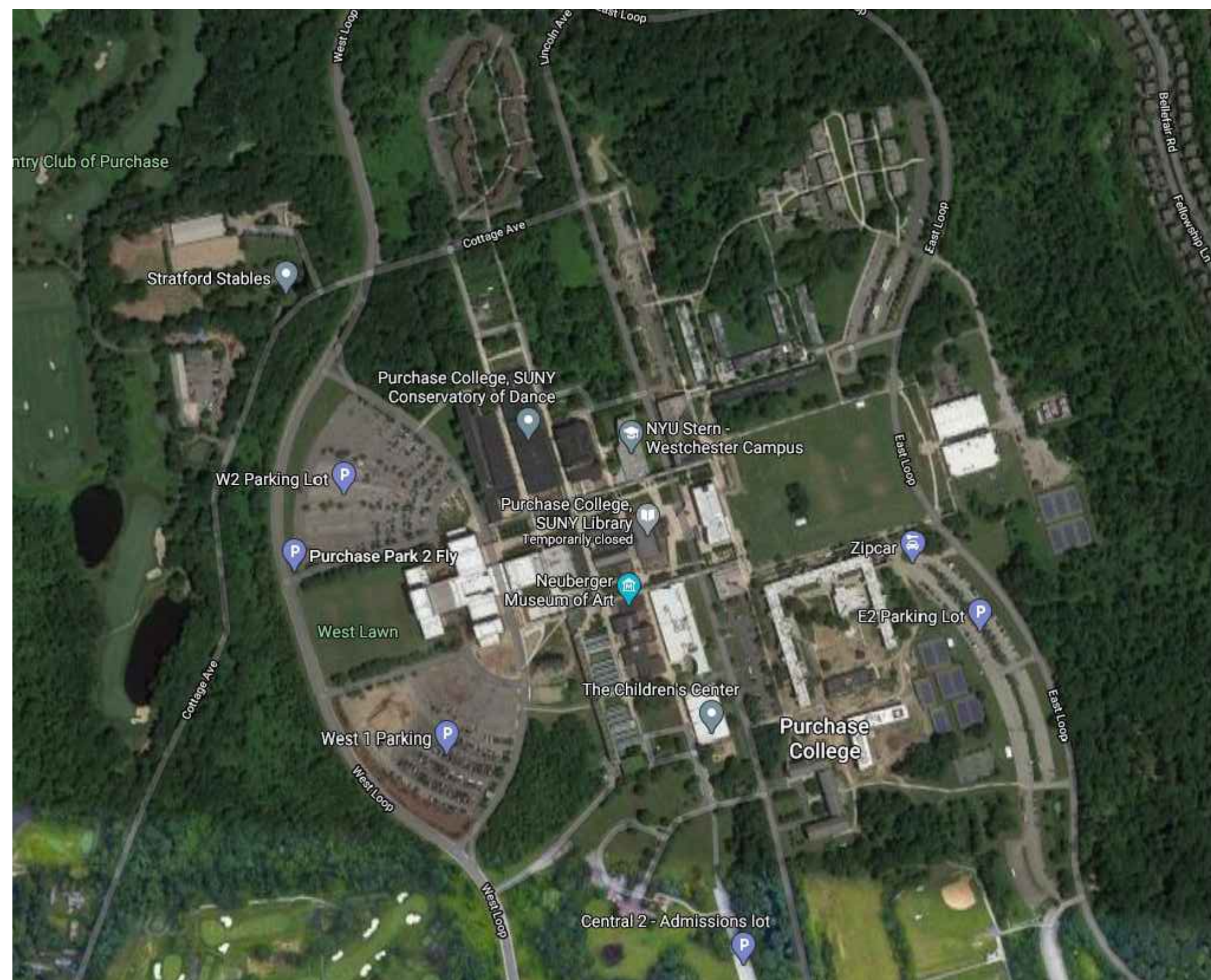
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0	28 July 2023	Issue for 50% DD
1	13 Nov. 2023	Issue for Pre-Bid
2	23 Feb. 2024	Re-Issue for Pre-Bid
3	07 May 2024	Issued for Bid

Title
**TITLE, COLLEGE PLAN,
LOCATION MAP**

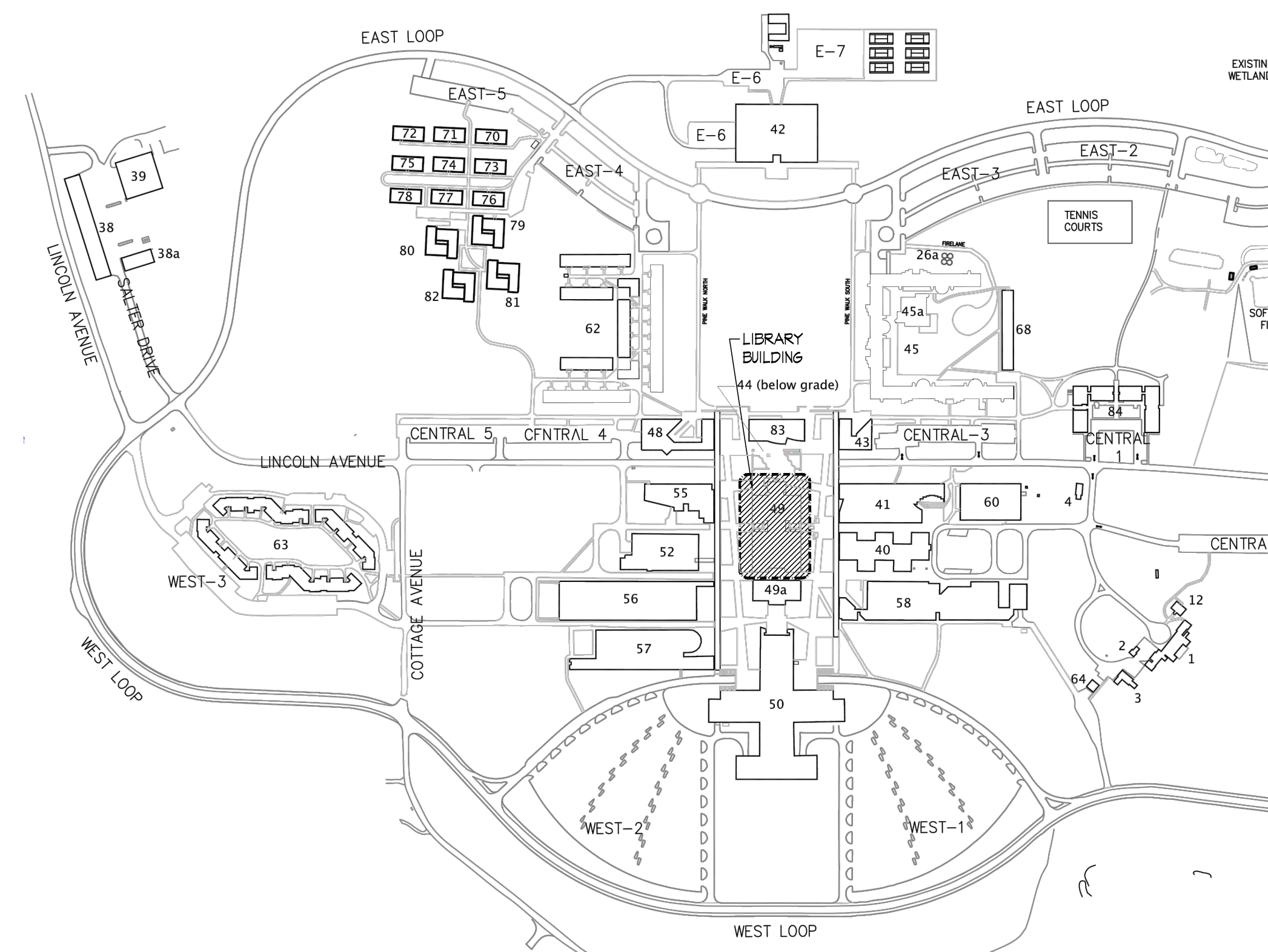


Date 00-00-2023
RRA Project No. 4256
Drawing By MM, SG
CHK By EP
Scale AS NOTED

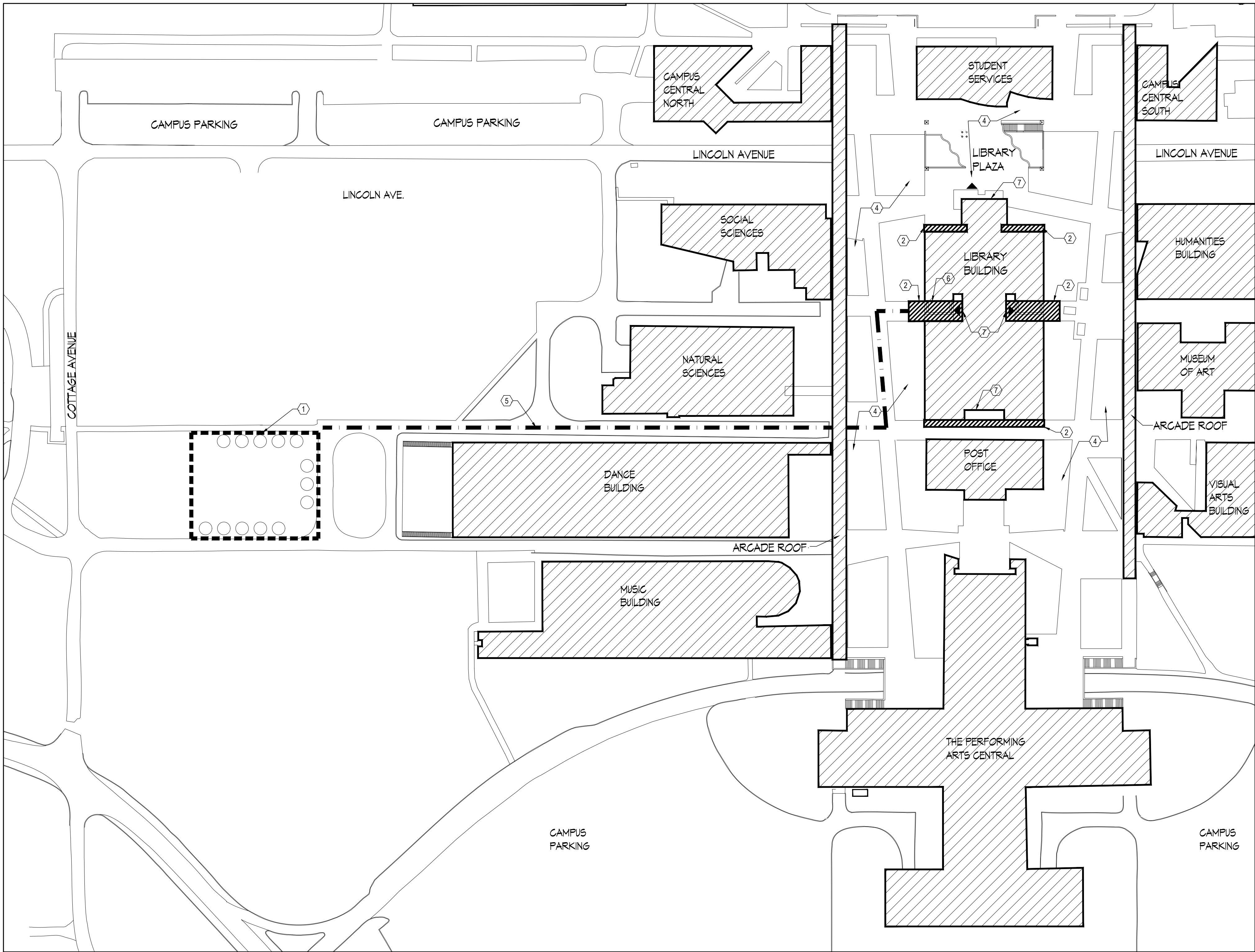
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2 PURCHASE COLLEGE LOCATION MAP
NTS



1 PURCHASE COLLEGE CAMPUS PLAN
NTS



- KEY NOTES:
- 1 CONTRACTOR GENERAL STAGING AREA. GC TO PROVIDE CHAIN LINK FENCING & SECURITY. PROTECT ALL TREES. CONTRACTOR TO PREVENT EROSION OF SOIL & CONTROL SOIL FROM LEAVING THE STAGING AREA. PROVIDE GRAVEL AT GATE AND PROVIDE FOR WEEKLY GLEANING OF ROAD AT ENTRANCE.
 - 2 PROVIDE SIDEWALK OVERHEAD PROTECTION AT ALL BUILDING EXITS AND ENTRANCES AND PUBLIC PLAZAS ADJACENT TO WORK. MINIMUM 10' DEEP FROM EXTERIOR WALL. COVERED WALKWAYS SHALL HAVE A CLEAR HEIGHT OF NOT LESS THAN 8 FEET AS MEASURED FROM THE FLOOR SURFACE TO THE CANOPY OVERHEAD. ADEQUATE LIGHTING SHALL BE PROVIDED AT ALL TIMES. COVERED WALKWAYS SHALL BE DESIGNED TO SUPPORT ALL IMPOSED LOADS. THE EGRESS PATH MAY NOT BE OBSTRUCTED OR CONSTRICTED IN ANY WAY.
 - 3 CONTRACTOR TO PROVIDE EXTERIOR STAIR ACCESS TO ROOF FOR ALL DELIVERIES & WORKER USE. ACCESS THROUGH LIBRARY WILL NOT BE AVAILABLE.
 - 4 MAX LOADINGS AT LIBRARY PLAZA IS 150 LB/SQ. SUBMIT TO OWNER ANY REQUESTS TO BRING EQUIPMENT ONTO PLAZA. ALL EQUIPMENT ARE REQUIRED TO HAVE RUBBER TIRES TO LIMIT DAMAGE TO PAVERS.
 - 5 ACCESS ROUTE FROM GENERAL STAGING AREA TO SITE.
 - 6 CONTRACTOR SUB-STAGING AREA ADJACENT TO WORK AREA. PROVIDE CHAIN LINK FENCING & PLYWOOD PROTECTION FOR FLOOR PAVERS. ENSURE TO LEAVE BUILDING FIRE EGRESS ROUTE CLEAR.
 - 7 ALL LOCATIONS OF EGRESS MUST REMAIN OPERATIONAL THROUGH OUT CONSTRUCTION.

- LEGEND:
- TEMPORARY SHED PROTECTION
 - EXISTING BUILDINGS
 - EXIT FROM LIBRARY BUILDING



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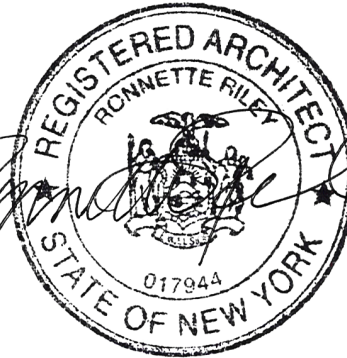
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PROTECTION AND SITE STAGING PLAN



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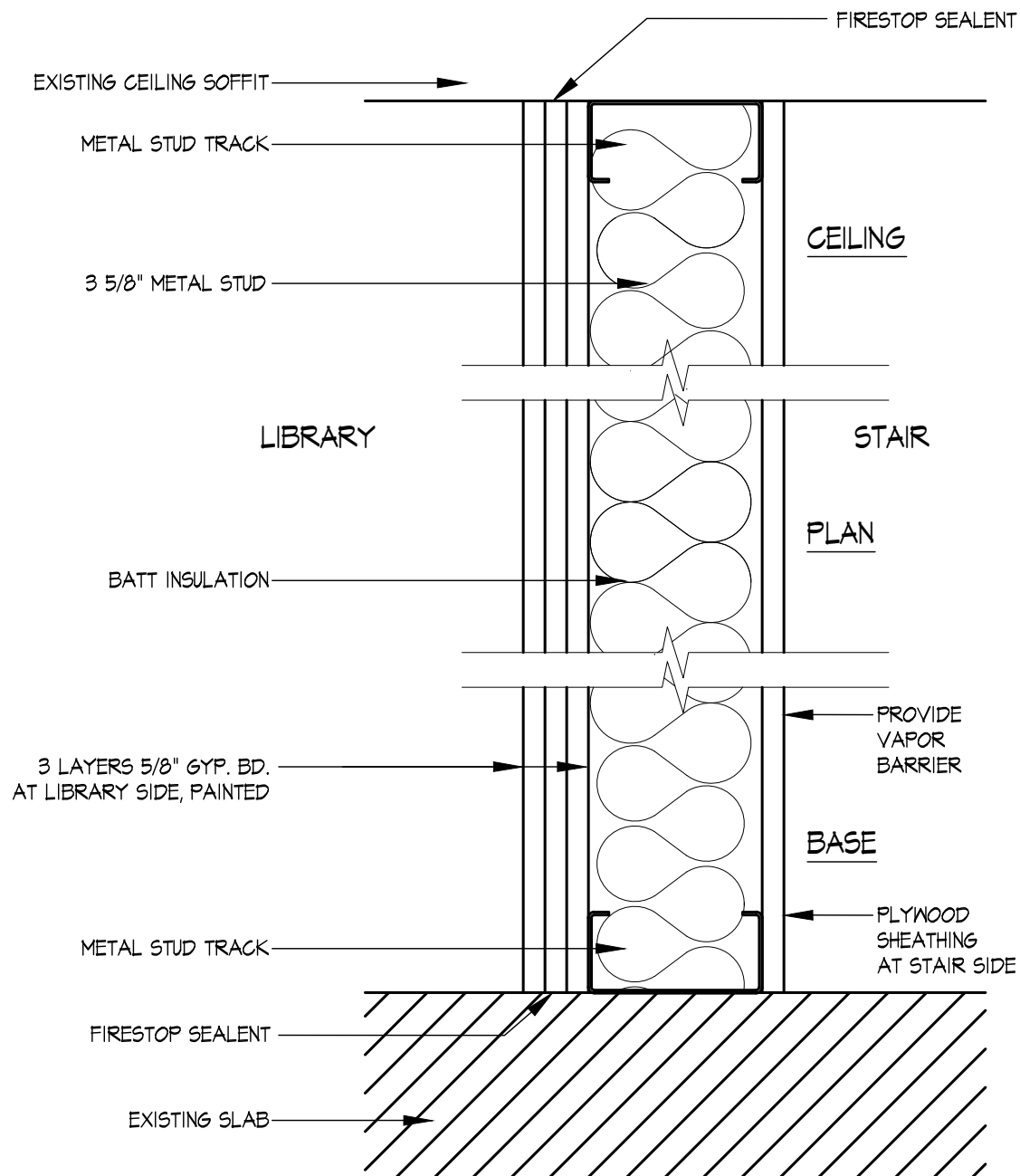
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Title
INTERIOR PROTECTION
PLAN AT SKYLIGHT

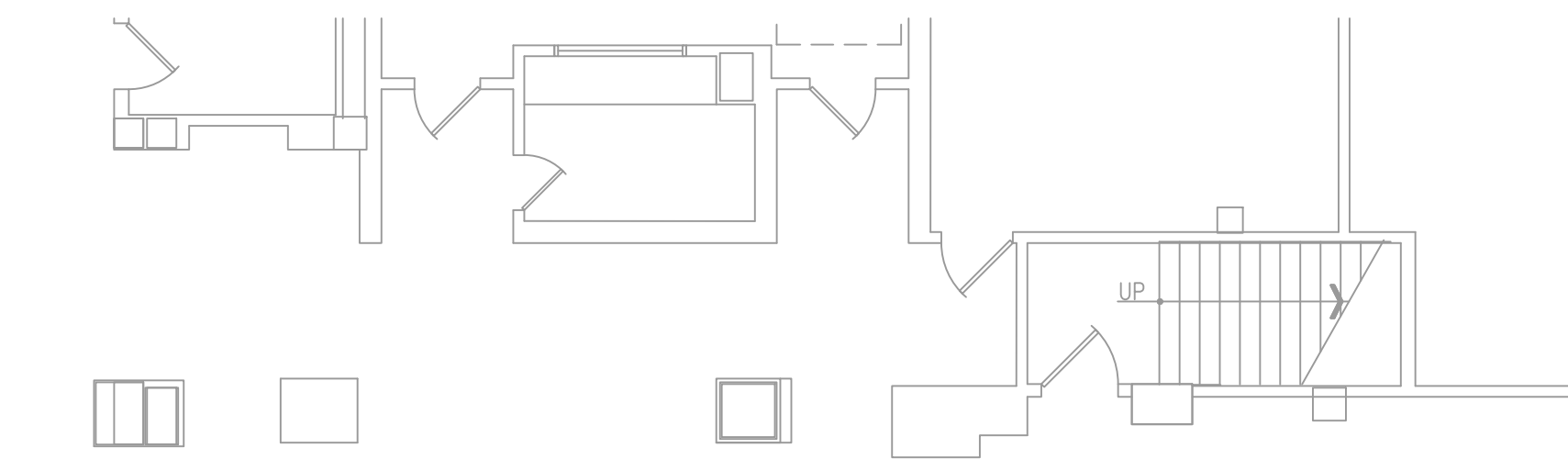


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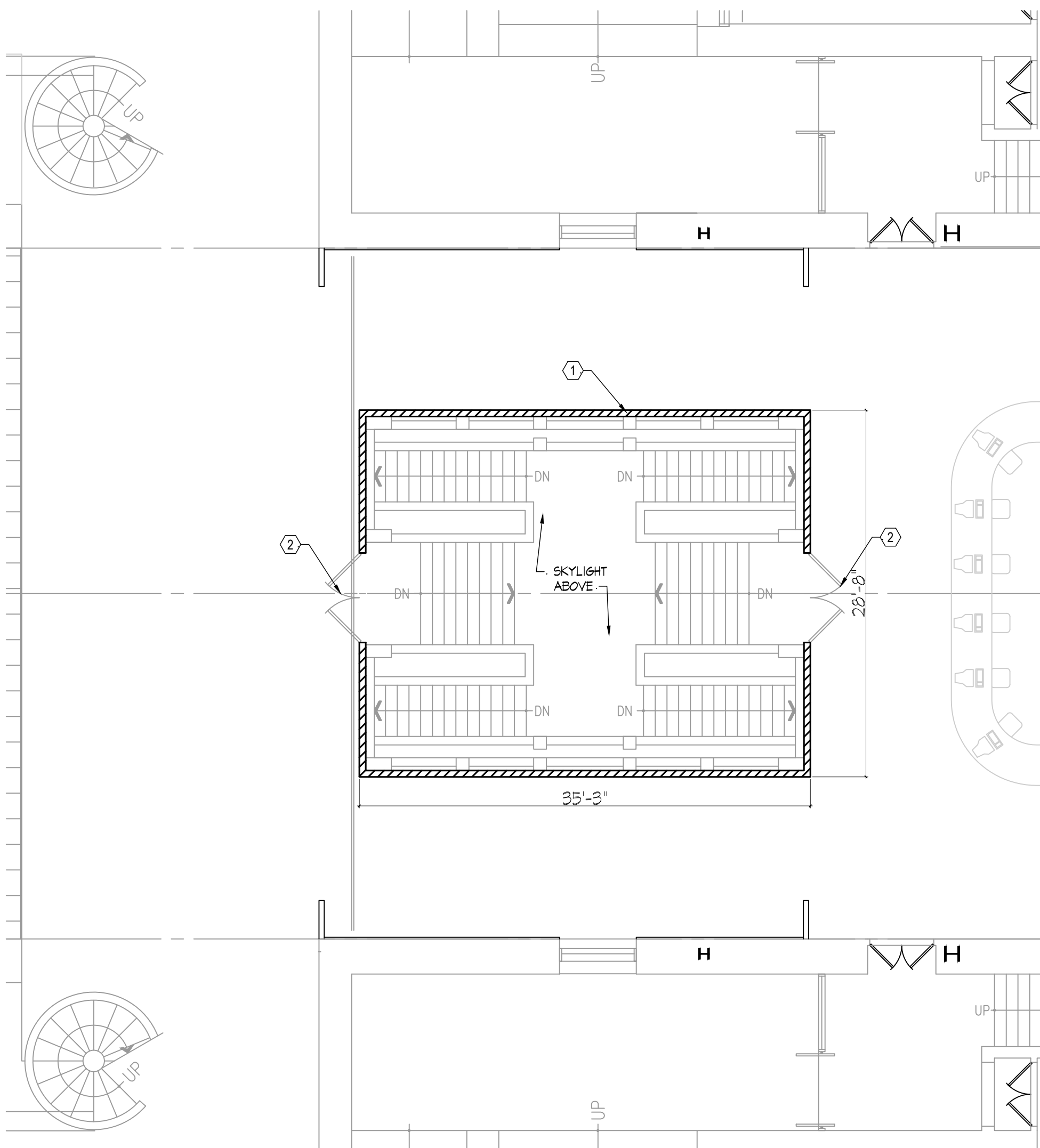
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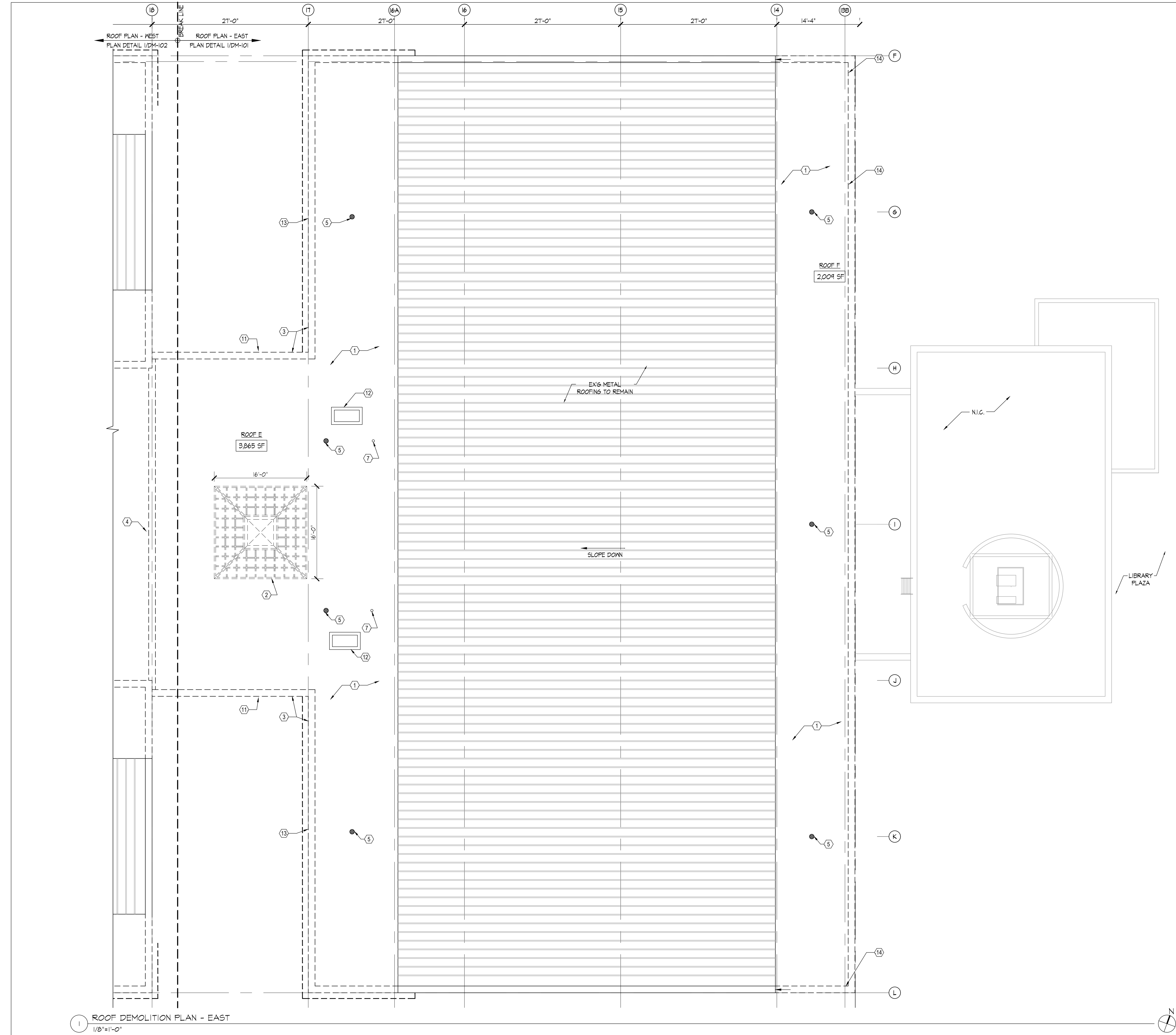
3 TEMPORARY PARTITION PLAN
N.T.S. UL: V497



2 BASEMENT FLOOR ATRIUM
1/8" = 1'-0"



1 FIRST FLOOR ATRIUM
1/8" = 1'-0"

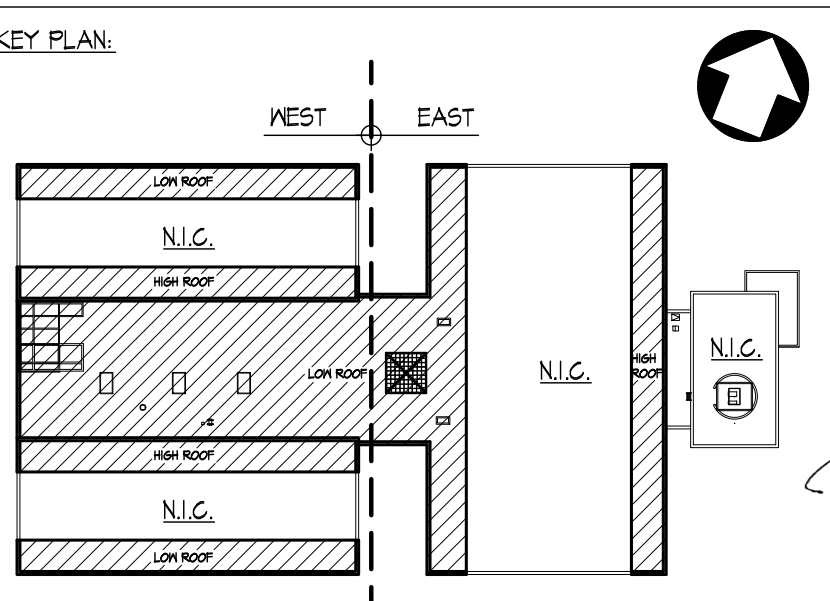


- DEMOLITION PLAN NOTES**
- GENERAL NOTES:**
- TRUCKS DELIVERING MATERIALS OR REMOVING DEBRIS MAY NOT DRIVE ONTO PLAZA ADJACENT TO THE BUILDING. ALL TRUCKS ARRIVING TO THE SITE MUST BE COORDINATED WITH THE UNIVERSITY TO IDENTIFY AN APPROPRIATE LOADING/UNLOADING LOCATION.
 - EXISTING SLOPED METAL ROOFS AND ADJACENT METAL COPING WILL REMAIN.
 - COORDINATE DEMOLITION WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
 - MAINTAIN LIBRARY OPERATIONS THROUGHOUT CONSTRUCTION. PROVIDE PROTECTION AND MAINTAIN EGRESS PROVISIONS WITH OWNER.
 - DISCONNECTION OF EXISTING EQUIPMENT SHALL BE COORDINATED AND SCHEDULED IN ADVANCE WITH THE UNIVERSITY. REFER TO MECH. DWGS.
 - COORDINATE ALL MECHANICAL SHUTDOWNS IN ADVANCE WITH THE UNIVERSITY.
 - PROTECT ALL EXISTING CONDITIONS TO REMAIN.
 - SCOPE OF DEMOLITION AND REMOVAL WORK SHALL NOT BE LIMITED BY THESE DRAWINGS, BUT SHALL INCLUDE ALL WORK NECESSARY TO FACILITATE CONSTRUCTION.
 - NOTIFY ARCHITECT IF FIXTURES OR DEVICES EXIST WHICH ARE NOT NOTED ON THE PLANS.
 - ALL DEMOLITION TO BE DONE WITH MINIMAL IMPACT ON WORK ENVIRONMENT. AREAS TO BE LEFT CLEAN AND SAFE AT END OF EACH SHIFT.
 - DEMOLITION OF LOAD-BEARING WALLS ARE PROHIBITED.
 - REFER TO MECH. DWGS. FOR PROTECTION OF VENTS & MECH. EQUIP. AT ROOF.
 - GC SHALL TAKE ALL NECESSARY STEPS IN SHORING THE WORK TEMPORARILY UNTIL ALL PERMANENT WORK IS IN PLACE.
 - NO JACKHAMMERS TO BE USED ON THIS PROJECT.
 - NO CUTTING OR CHANNELING OF BUILDING STRUCTURE IS PERMITTED FOR ANY WORK.
 - THERE SHALL BE NO CHOPPING INTO THE CONCRETE FLOOR SLAB, CEILING, COLUMNS, OR SHEAR WALLS FOR ANY REASON.
 - A LICENSED ASBESTOS INSPECTOR PERFORMED TESTS ON THE MATERIAL TO BE DEMOLISHED PRIOR TO CONSTRUCTION REPORTED TESTING REPORTS PROVIDED IN SPEC. BOOK.

- KEY NOTES:**
- REMOVE ROOFING ASSEMBLY, ASSOCIATED COMPONENTS INCLUDING INSULATION, NAILING BOARDS, TRIMS, FLASHINGS AND ALL FASTENERS DOWN TO CONCRETE DECK.
 - REMOVE SKYLIGHT, FRAME AND ASSOCIATED FLASHING DOWN TO CONCRETE DECK. PROVIDE PROTECTION FOR INTERIOR SPACES AT SKYLIGHT OPENING THROUGHOUT CONSTRUCTION.
 - REMOVE PARAPET COPING AND REFER DETAIL 6/A501 & 25/A503.
 - REMOVE GAP, FLASHING AND COMPRESSIBLE FILL AT EXPANSION JOINT.
 - ROOF DOWNSPOUTS AND DRAIN BOWLS TO REMAIN. ENSURE DRAINS ARE FULLY WATERPROOFED WHEN VAPOR BARRIER IS INSTALLED. EXISTING DRAIN BOWLS MAY BE RAISED ABOVE THE HEIGHT OF THE SLAB. PROVIDE FOR PUMPING OF ROOF AS NEEDED AFTER RAINFALL AFTER DEMOLITION AND BEFORE INSTALLATION OF FINAL ROOFING SYSTEM.
 - EQUIPMENT CURB/VENTS TO REMAIN.
 - PIPE VENT TO REMAIN.
 - EQUIPMENT DUNNAGE TO REMAIN. REMOVE METAL SCREEN WALL ATTACHED TO DUNNAGE AND STORE FOR REINSTALLATION.
 - EXHAUST FAN TO BE TEMPORARILY REMOVED AND REINSTALLED.
 - REMOVE CONDENSING UNIT (MR. SLIM).
 - REMOVE WALL MOUNTED METAL FRAME ACCENT DETAIL.
 - REMOVE CURB AT VENT, REFER TO MECH. DWGS.
 - CAREFULLY REMOVE CLIMBING BARRIER AND STORE FOR REINSTALLATION.
 - REMOVE COPING AT HIGH ROOFS. MASONRY PARAPET TO REMAIN.

LEGEND:

--- DENOTES EX'G TO REMOVE
==== DENOTES EX'G TO REMAIN



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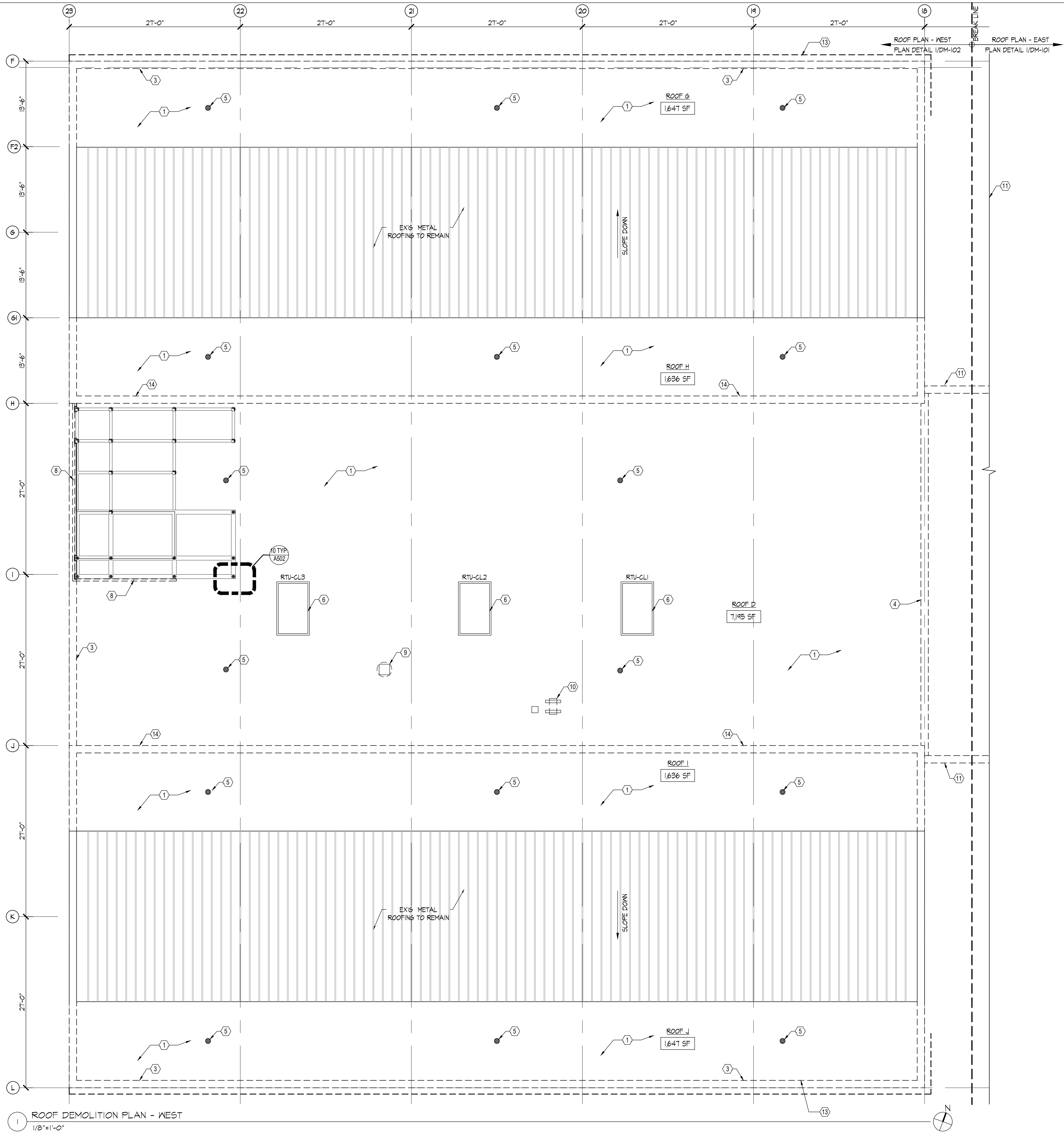
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**ROOF DEMOLITION
PLAN - EAST**



Date 00-00-2023
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CHK By EP
Scale AS NOTED

DM-101.00
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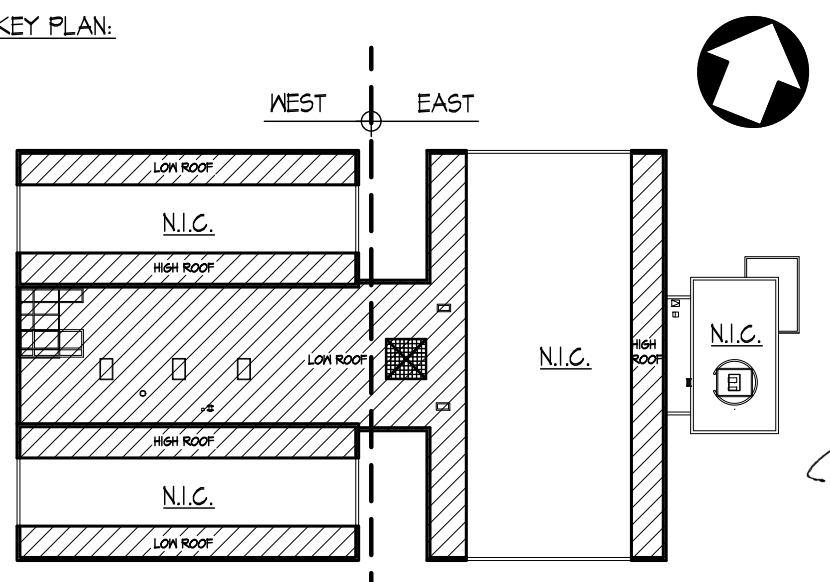


- DEMOLITION PLAN NOTES**
- GENERAL NOTES:**
- TRUCKS DELIVERING MATERIALS OR REMOVING DEBRIS MAY NOT DRIVE ONTO PLAZA ADJACENT TO THE BUILDING. ALL TRUCKS ARRIVING TO THE SITE MUST BE COORDINATED WITH THE UNIVERSITY TO IDENTIFY AN APPROPRIATE LOADING/UNLOADING LOCATION.
 - EXISTING SLOPED METAL ROOFS AND ADJACENT METAL COPING WILL REMAIN.
 - COORDINATE DEMOLITION WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
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 - DISCONNECTION OF EXISTING EQUIPMENT SHALL BE COORDINATED AND SCHEDULED IN ADVANCE WITH THE UNIVERSITY. REFER TO MECH. DNGS.
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 - ALL DEMOLITION TO BE DONE WITH MINIMAL IMPACT ON WORK ENVIRONMENT. AREAS TO BE LEFT CLEAN AND SAFE AT END OF EACH SHIFT.
 - DEMOLITION OF LOAD-BEARING WALLS ARE PROHIBITED.
 - REFER TO MECH. DNGS. FOR PROTECTION OF VIEWS & MECH. EQUIP. AT ROOF.
 - GC SHALL TAKE ALL NECESSARY STEPS IN SHORING THE WORK TEMPORARILY UNTIL ALL PERMANENT WORK IS IN PLACE.
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- KEY NOTES:**
- REMOVE ROOFING ASSEMBLY, ASSOCIATED COMPONENTS INCLUDING INSULATION, NAILING BOARDS, TRIMS, FLASHINGS AND ALL FASTENERS DOWN TO CONCRETE DECK.
 - REMOVE SKYLIGHT, FRAME AND ASSOCIATED FLASHING DOWN TO CONCRETE DECK. PROVIDE PROTECTION FOR INTERIOR SPACES AT SKYLIGHT OPENING THROUGHOUT CONSTRUCTION.
 - REMOVE PARAPET COPING AND REFER DETAIL 6/A501 & 25/A503.
 - REMOVE CAP, FLASHING AND COMPRESSIBLE FILL AT EXPANSION JOINT.
 - ROOF DOWNSPOUTS AND DRAIN BOWLS TO REMAIN. ENSURE DRAINS ARE FULLY WATERPROOFED WHEN VAPOR BARRIER IS INSTALLED. EXISTING DRAIN BOWLS MAY BE RAISED ABOVE THE HEIGHT OF THE SLAB. PROVIDE FOR PUMPING OF ROOF AS NEEDED AFTER RAINFALL AFTER DEMOLITION AND BEFORE INSTALLATION OF FINAL ROOFING SYSTEM.
 - EQUIPMENT CURB/VENTS TO REMAIN.
 - PIPE VENT TO REMAIN.
 - EQUIPMENT DUNNAGE TO REMAIN. REMOVE METAL SCREEN WALL ATTACHED TO DUNNAGE AND STORE FOR REINSTALLATION.
 - EXHAUST FAN TO BE TEMPORARILY REMOVED AND REINSTALLED.
 - REMOVE CONDENSING UNIT (MR. SLIM).
 - REMOVE WALL MOUNTED METAL FRAME ACCENT DETAIL.
 - REMOVE CURB AT VENT, REFER TO MECH. DNGS.
 - CAREFULLY REMOVE CLIMBING BARRIER AND STORE FOR REINSTALLATION.
 - REMOVE COPING AT HIGH ROOFS. MASONRY PARAPET TO REMAIN.

LEGEND:

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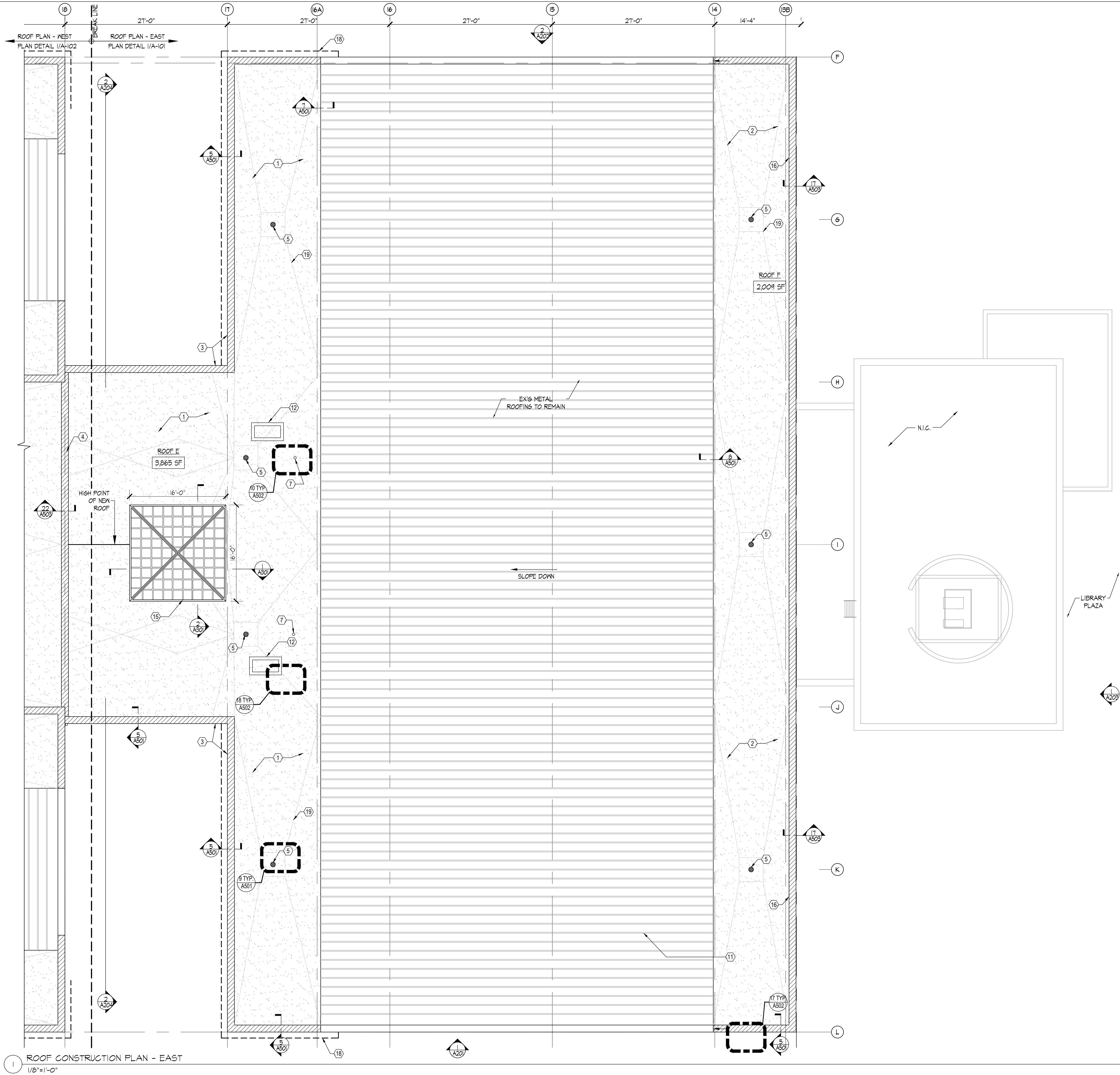
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ROOF DEMOLITION PLAN - WEST

Date 00-00-2023
RRA Project No. 4256
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CHK By EP
Scale AS NOTED



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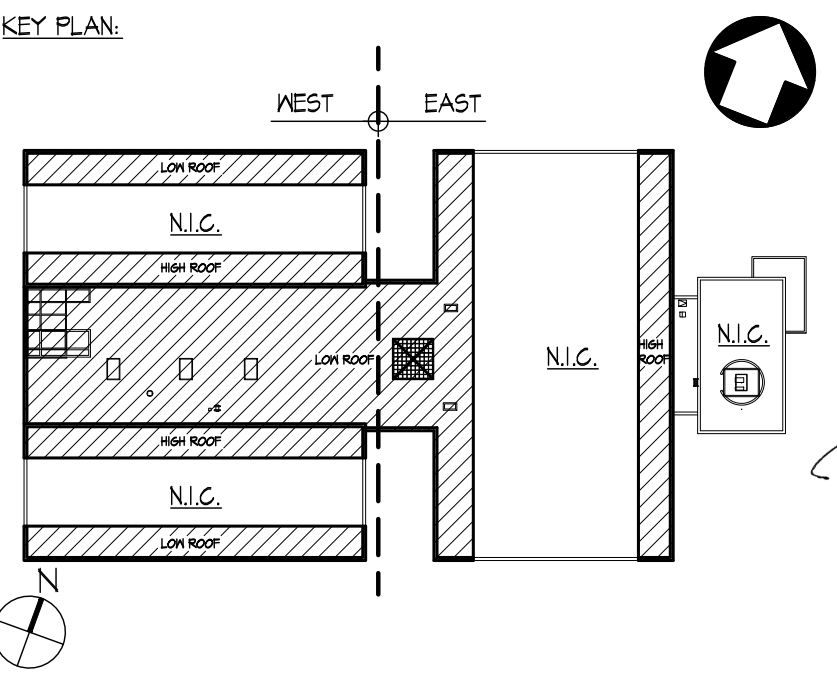
- CONSTRUCTION PLAN NOTES
- GENERAL NOTES:
- PATCH AND REPAIR ANY AREAS OF DAMAGED CONCRETE DECK PRIOR TO INSTALLING NEW ROOF ASSEMBLY. PROVIDE ALLOWANCE OF 5% SOFT OF REPAIR. SEE 16/A502.
 - REPLACE DAMAGED 2X2 CEILING TILES (APPROXIMATELY 50 SQFT) AT INTERIOR OF LIBRARY BELOW HIGH ROOF F.
 - TRANSITION PERIMETER CONDITIONS AS REQUIRED. REFER 5/A502 & 1/A504.
 - VERIFY ALL ROOF DIMENSIONS, HEIGHTS OF SADDLES, RAILING, KEEP HOLES ABOVE SLAB.
 - NOT USED.
 - TAPERED INSULATION SHALL PITCH MINIMUM 1/8" PER FOOT TO DRAINS. SEE A504.
 - CLEAN, REPAIR AND PREP ROOF SLAB AND EXISTING SUBSTRATE AS REQUIRED BY MANUFACTURER.
 - PROVIDE TEMPORARY LIGHTING AS REQUIRED DURING CONSTRUCTION.
 - PROVIDE FUNCTIONAL WATERTIGHT CONNECTIONS AT ALL WALL INTERSECTIONS AND TERMINATION OF ALL FLASHING SYSTEMS.
 - MEET MINIMUM 12" BASE FLASHING HEIGHT AND PROVIDE ADEQUATE WATERTIGHT COUNTER FLASHING THROUGHOUT.
 - CONSTRUCTION MOCK-UPS FOR FLASHING/COPING CONDITIONS AS NEEDED.
 - PROVIDE SHOP DRAWINGS APPROVED BY MANUFACTURER FOR ARCHITECTS REVIEW THROUGHOUT DURATION OF CONSTRUCTION.
 - DISCONNECT AND RECONNECT ROOFTOP EQUIPMENT IN ACCORDANCE WITH DOCUMENT REQUIREMENTS. REFER TO MECH. DYN5.
 - PROVIDE COST FOR REPLACEMENT OF DRAIN PIPING AT ONE HIGH ROOF DRAIN. ANTICIPATE REPLACEMENT 40 LF OF 4" DIAMETER DRAIN. ANTICIPATE DEMOLITION AND REPLACEMENT OF 200 SQFT OF 2X2 ACoustICAL CEILING SYSTEM FRAMING AND TILES. REPLACEMENT WILL TAKE PLACE AT MEZZANINE BELOW AND WILL REQUIRE SCAFFOLDING TO ACCESS ABOVE CEILING.

- KEY NOTES:
- NEW ROOF ASSEMBLY AT LOW ROOFS. REFER DETAIL 1/A501.
 - NEW ROOF ASSEMBLY FOR HIGH ROOFS. REFER DETAIL 2/A501.
 - NEW RAISED METAL COPING. HEIGHT OF COPING TO BE CONSISTENT AT ALL LOCATIONS.
 - NEW RAISED EXPANSION JOINT WITH METAL CAP.
 - MODIFY ROOF DRAINS PER 6-A501 AT LOW ROOFS, AND PER 4-A501 AT HIGH ROOFS. ENSURE DRAINS ARE FULLY WATERPROOFED WHEN VAPOR BARRIER IS INSTALLED. EXISTING DRAIN BOWLS MAY BE RAISED ABOVE THE HEIGHT OF THE SLAB. PROVIDE FOR PUMPING OF ROOF AS NEEDED AFTER RAINFALL AFTER DEMOLITION AND BEFORE INSTALLATION OF FINAL ROOFING SYSTEM.
 - EXISTING EQUIPMENT CURB. PROVIDE NEW CRICKET.
 - EXISTING PIPE VENT. EXTEND PIPE VENT TO MEET MINIMUM FLASHING HEIGHTS.
 - REINSTALL EXISTING METAL SCREEN WALL ON EXISTING DUNNAGE.
 - EXHAUST FAN TO BE REINSTALLED.
 - NEW CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.
 - REPLACE MISSING METAL ROOF BATTEN AND PAINT TO MATCH EXISTING. APPROXIMATELY 10' LONG REPLACEMENT.
 - EQUIPMENT VENTS TO REMAIN. PROVIDE NEW CAP.
 - INSTALL NEW THROUGH WALL FLASHING AT MEZZANINE WALL BELOW. REFER DETAIL 3/A502.
 - EXISTING DUNNAGE TO REMAIN.
 - NEW PREFABRICATED SKYLIGHT STRUCTURE ON NEW RAISED CONCRETE CURB. SEE DYN5. A101.
 - NOT USED.
 - NOT USED.
 - REINSTALL CLIMBING BARRIER. REFER A503.
 - CRICKET.
 - PROVIDE CURB FOR FUTURE EQUIPMENT INSTALLATION. REFER 21-A503.

LEGEND:

/// DENOTES NEW COPING

AREA OF NEW ROOF



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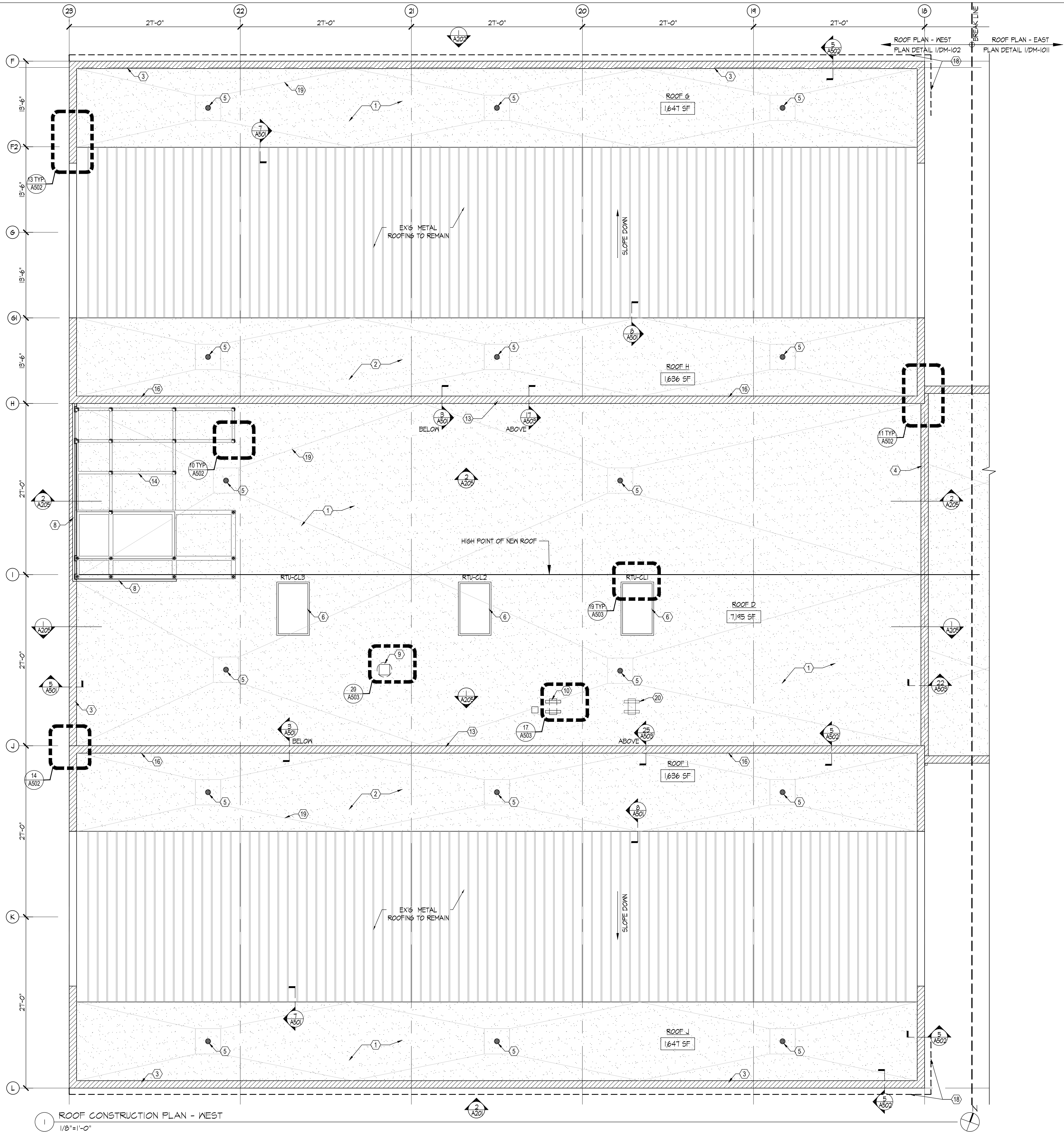
Title

ROOF CONSTRUCTION PLAN - EAST

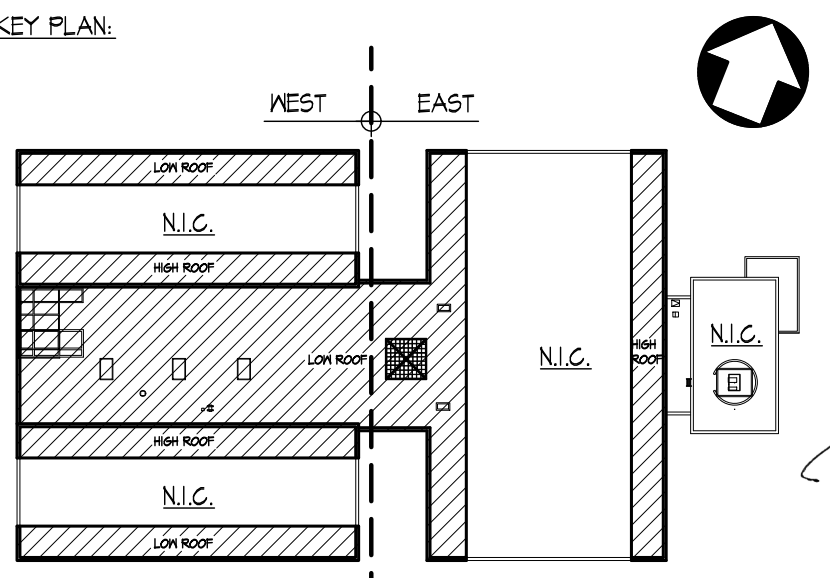


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RRA Project No. 4256
Drawing By MM, SG
CHK By EP
Scale AS NOTED

A-101.00
#



- CONSTRUCTION PLAN NOTES**
- GENERAL NOTES:**
- PATCH AND REPAIR ANY AREAS OF DAMAGED CONCRETE DECK PRIOR TO INSTALLING NEW ROOF ASSEMBLY. PROVIDE ALLOWANCE OF 5% SOFT OF REPAIR. SEE 16/A502.
 - REPLACE DAMAGED 2X2 CEILING TILES (APPROXIMATELY 50 SQFT) AT INTERIOR OF LIBRARY BELOW HIGH ROOF F.
 - TRANSITION PERIMETER CONDITIONS AS REQUIRED. REFER 5/A502 & 1/A504.
 - VERIFY ALL ROOF DIMENSIONS, HEIGHTS OF SADDLES, RAILING, KEEP HOLES ABOVE SLAB.
 - NOT USED.
 - TAPERED INSULATION SHALL PITCH MINIMUM 1/8" PER FOOT TO DRAINS. SEE A504.
 - CLEAN, REPAIR AND PREP ROOF SLAB AND EXISTING SUBSTRATE AS REQUIRED BY MANUFACTURER.
 - PROVIDE TEMPORARY LIGHTING AS REQUIRED DURING CONSTRUCTION.
 - PROVIDE FUNCTIONAL WATERTIGHT CONNECTIONS AT ALL WALL INTERSECTIONS AND TERMINATION OF ALL FLASHING SYSTEMS.
 - MEET MINIMUM 12" BASE FLASHING HEIGHT AND PROVIDE ADEQUATE WATERTIGHT COUNTER FLASHING THROUGHOUT.
 - CONSTRUCTION MOCK-UPS FOR FLASHING/COPING CONDITIONS AS NEEDED.
 - PROVIDE SHOP DRAWINGS APPROVED BY MANUFACTURER FOR ARCHITECTS REVIEW THROUGHOUT DURATION OF CONSTRUCTION.
 - DISCONNECT AND RECONNECT ROOFTOP EQUIPMENT IN ACCORDANCE WITH DOCUMENT REQUIREMENTS. REFER TO MECH. DNGS.
 - PROVIDE COST FOR REPLACEMENT OF DRAIN PIPING AT ONE HIGH ROOF DRAIN. ANTICIPATE REPLACEMENT 40 LF OF 4" DIAMETER DRAIN. ANTICIPATE DEMOLITION AND REPLACEMENT OF 200 SQFT OF 2X2 ACoustICAL CEILING SYSTEM FRAMING AND TILES. REPLACEMENT WILL TAKE PLACE AT MEZZANINE BELOW AND WILL REQUIRE SCAFFOLDING TO ACCESS ABOVE CEILING.
- KEY NOTES:**
- NEW ROOF ASSEMBLY AT LOW ROOFS. REFER DETAIL 1/A501.
 - NEW ROOF ASSEMBLY FOR HIGH ROOFS. REFER DETAIL 2/A501.
 - NEW RAISED METAL COPING.
 - NEW RAISED EXPANSION JOINT WITH METAL CAP.
 - MODIFY ROOF DRAINS PER 8-A501 AT LOW ROOFS, AND PER 9-A501 AT HIGH ROOFS. ENSURE DRAINS ARE FULLY WATERPROOFED WHEN VAPOR BARRIER IS INSTALLED. EXISTING DRAIN BOWLS MAY BE RAISED ABOVE THE HEIGHT OF THE SLAB. PROVIDE FOR PUMPING OF ROOF AS NEEDED AFTER RAINFALL AFTER DEMOLITION AND BEFORE INSTALLATION OF FINAL ROOFING SYSTEM.
 - EXISTING EQUIPMENT CURB. PROVIDE NEW CRICKET.
 - EXISTING PIPE VENT. EXTEND PIPE VENT TO MEET MINIMUM FLASHING HEIGHTS.
 - REINSTALL EXISTING METAL SCREEN WALL ON EXISTING DUNNAGE. PROVIDE MIN. 3" GAP BETWEEN T. O. COPINGS AND B. O. SCREEN.
 - EXHAUST FAN TO BE REINSTALLED.
 - NEW CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.
 - REPLACE MISSING METAL ROOF BATTEN AND PAINT TO MATCH EXISTING. APPROXIMATELY 10' LONG REPLACEMENT.
 - EQUIPMENT VENTS TO REMAIN. PROVIDE NEW CAP.
 - INSTALL NEW THROUGH WALL FLASHING AT MEZZANINE WALL BELOW. REFER DETAIL 3/A502.
 - EXISTING DUNNAGE TO REMAIN.
 - NEW PREFABRICATED SKYLIGHT STRUCTURE ON NEW RAISED CONCRETE CURB. SEE DNG. A101.
 - NOT USED.
 - NOT USED.
 - REINSTALL CLIMBING BARRIER, REFER A503.
 - CRICKET.
 - PROVIDE CURB FOR FUTURE EQUIPMENT INSTALLATION. REFER 21-A503.
- LEGEND:**
- //// DENOTES NEW PARAPET AND/OR COPING
 - AREA OF NEW ROOF



REPLACE LIBRARY ROOF
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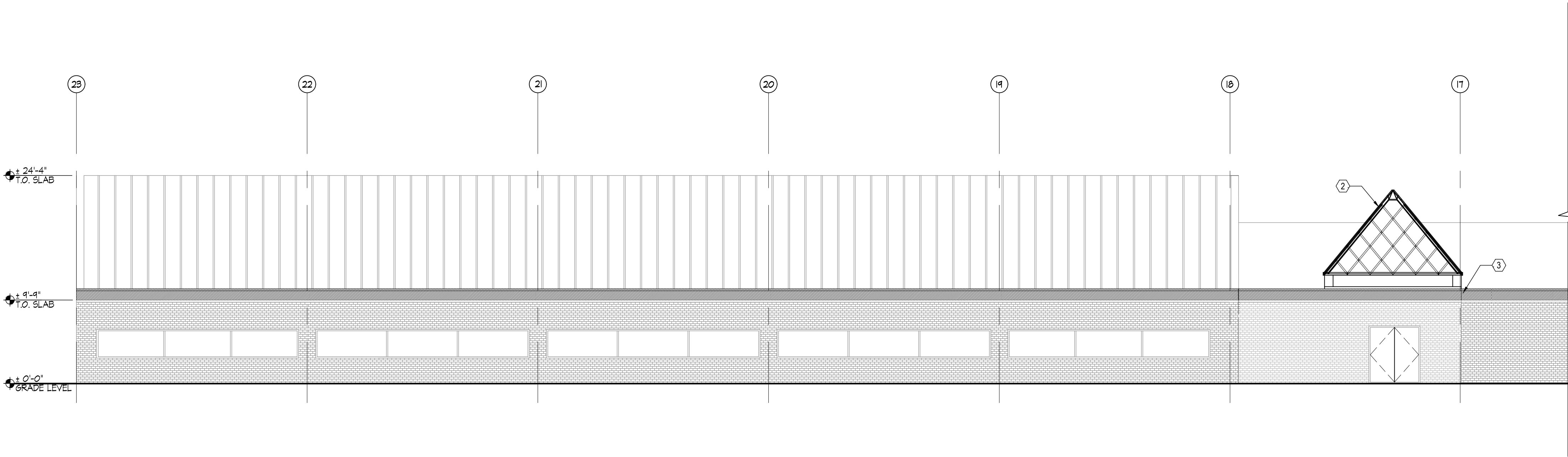
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No.	Date	Revision
0	28 July 2023	Issue for 50% DD
1	13 Nov. 2023	Issue for Pre-Bid
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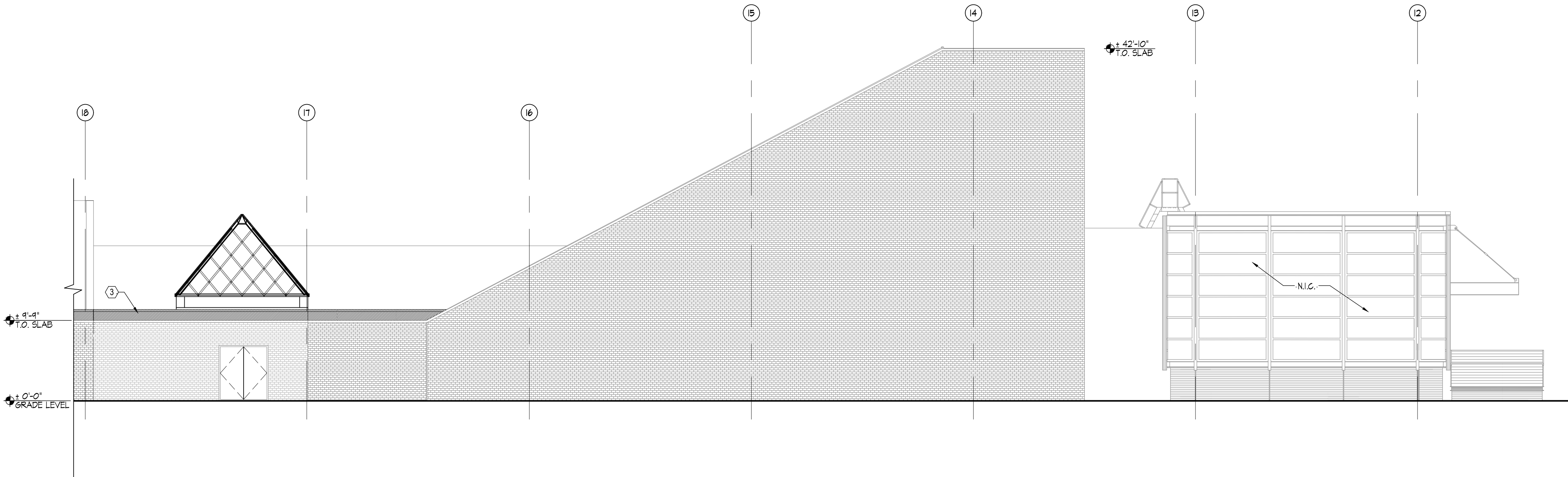
Title
ROOF CONSTRUCTION
PLAN - WEST

Date 00-00-2023
RRA Project No. 4256
Drawing By MM, SG
CHK By EP
Scale AS NOTED

A-102.00
#



2 SOUTH ELEVATION (PARTIAL)
1/8"=1'-0"



1 SOUTH ELEVATION (PARTIAL)
1/8"=1'-0"

- KEY NOTES:
- 1 NEW ROOF ASSEMBLY.
 - 2 NEW PREFABRICATED SKYLIGHT STRUCTURE ON NEW RAISED CONCRETE CURB.
 - 3 NEW RAISED METAL COPING.
 - 4 REINSTALL EXISTING METAL SCREEN WALL ON EXISTING DUNNAGE.
 - 5 FLASHING AT HIGH ROOF WALL.
 - 6 INSTALL NEW THROUGH WALL FLASHING AT MEZZANINE WALL.



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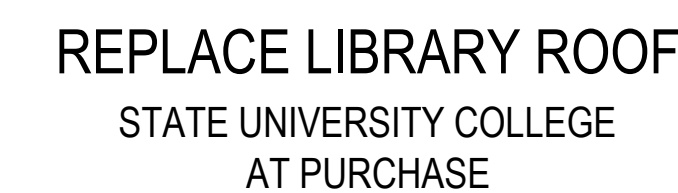
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EXTERIOR ELEVATIONS - SOUTH



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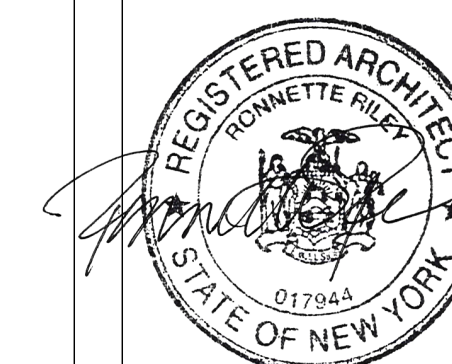
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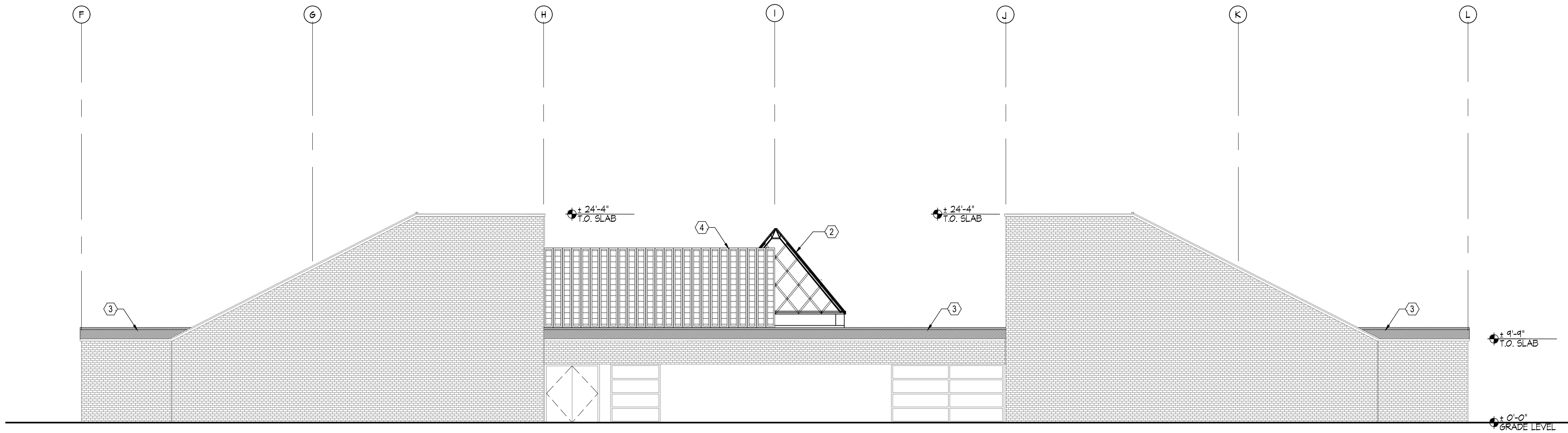
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Title
EXTERIOR
ELEVATIONS - NORTH



A-202.00





2 WEST ELEVATION (PARTIAL)
1/8"=1'-0"



1 EAST ELEVATION (PARTIAL)
1/8"=1'-0"

KEY NOTES:

- 1 NEW ROOF ASSEMBLY.
- 2 NEW PREFABRICATED SKYLIGHT STRUCTURE ON NEW RAISED CONCRETE CURB.
- 3 NEW RAISED METAL COPING.
- 4 REINSTALL EXISTING METAL SCREEN WALL ON EXISTING DUNNAGE.
- 5 FLASHING AT HIGH ROOF WALL BELOW.
- 6 INSTALL NEW THROUGH WALL FLASHING AT MEZZANINE WALL.



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Title
EXTERIOR ELEVATIONS -
EAST & WEST



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CHK By EP
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Title
EXTERIOR SECTIONAL
ELEV. - EAST & WEST

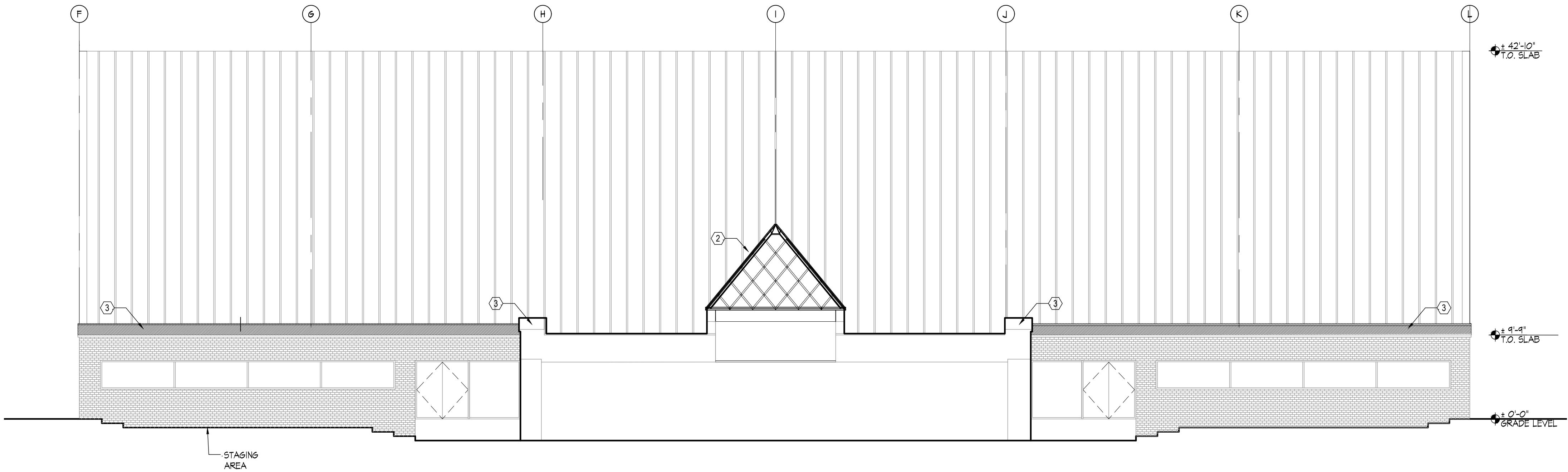


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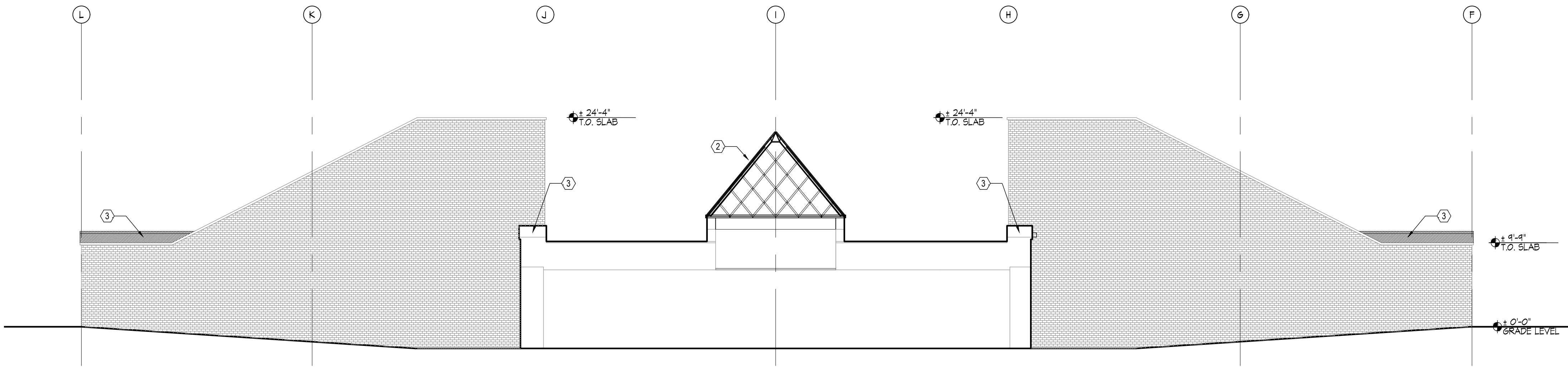
A-204 .00
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KEY NOTES:

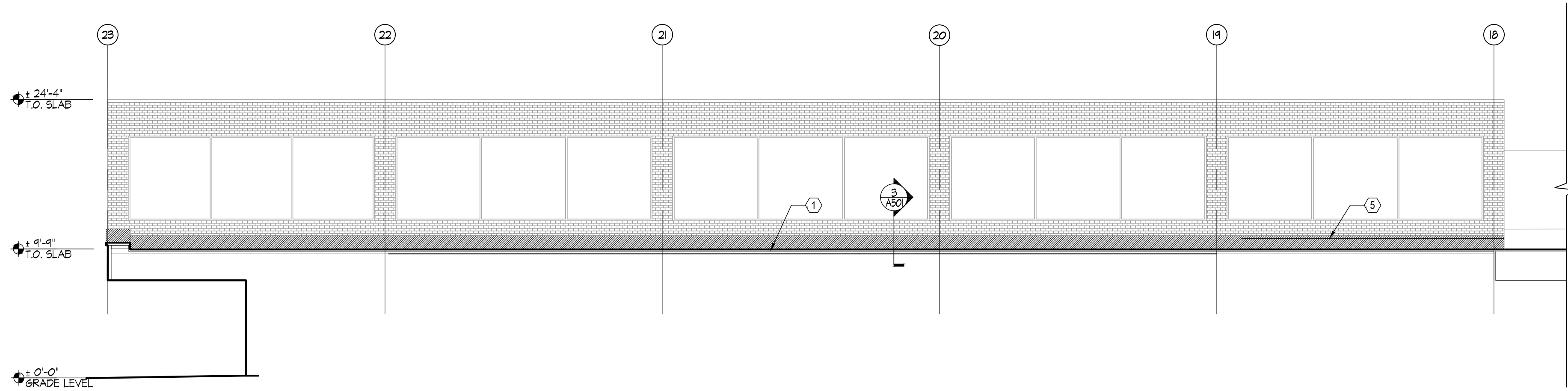
- 1 NEW ROOF ASSEMBLY.
- 2 NEW PREFABRICATED SKYLIGHT STRUCTURE ON NEW RAISED CONCRETE CURB.
- 3 NEW RAISED METAL COPING.
- 4 REINSTALL EXISTING METAL SCREEN WALL ON EXISTING DUNNAGE.
- 5 INSTALL NEW THROUGH WALL FLASHING AT MEZZANINE WALL.



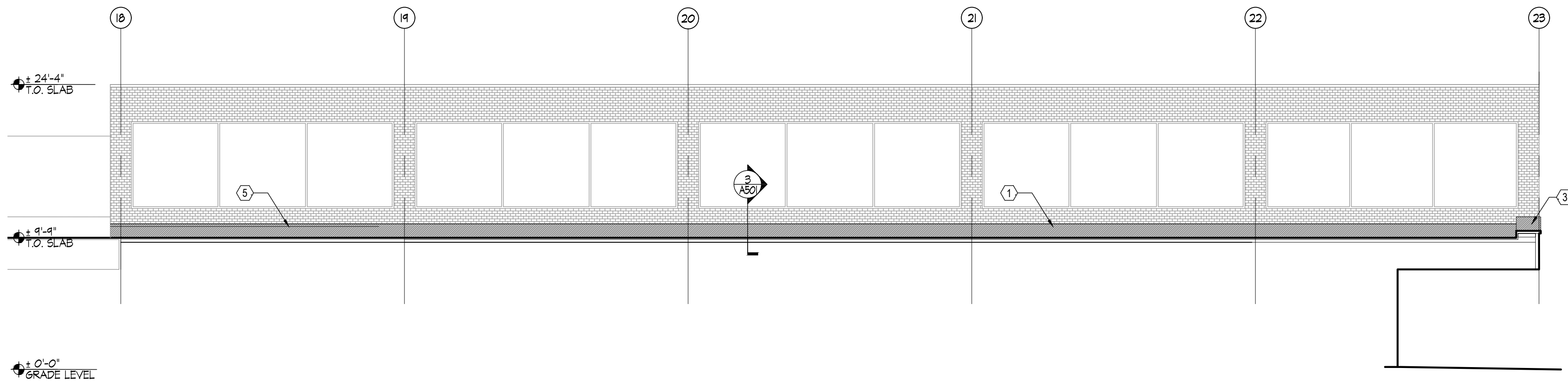
2 WEST SECTIONAL ELEVATION
1/8"=1'-0"



1 EAST SECTIONAL ELEVATION
1/8"=1'-0"



2 SOUTH SECTIONAL ELEVATION
1/8" = 1'-0"



1 NORTH SECTIONAL ELEVATION
1/8" = 1'-0"

KEY NOTES:

- 1 NEW ROOF ASSEMBLY.
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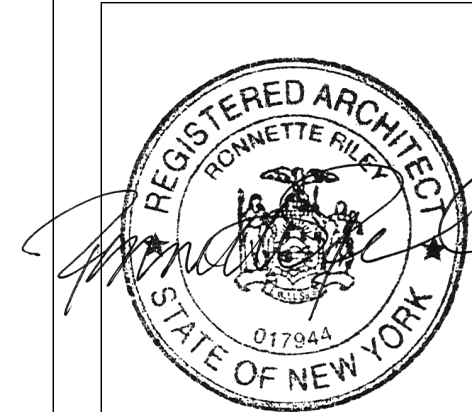
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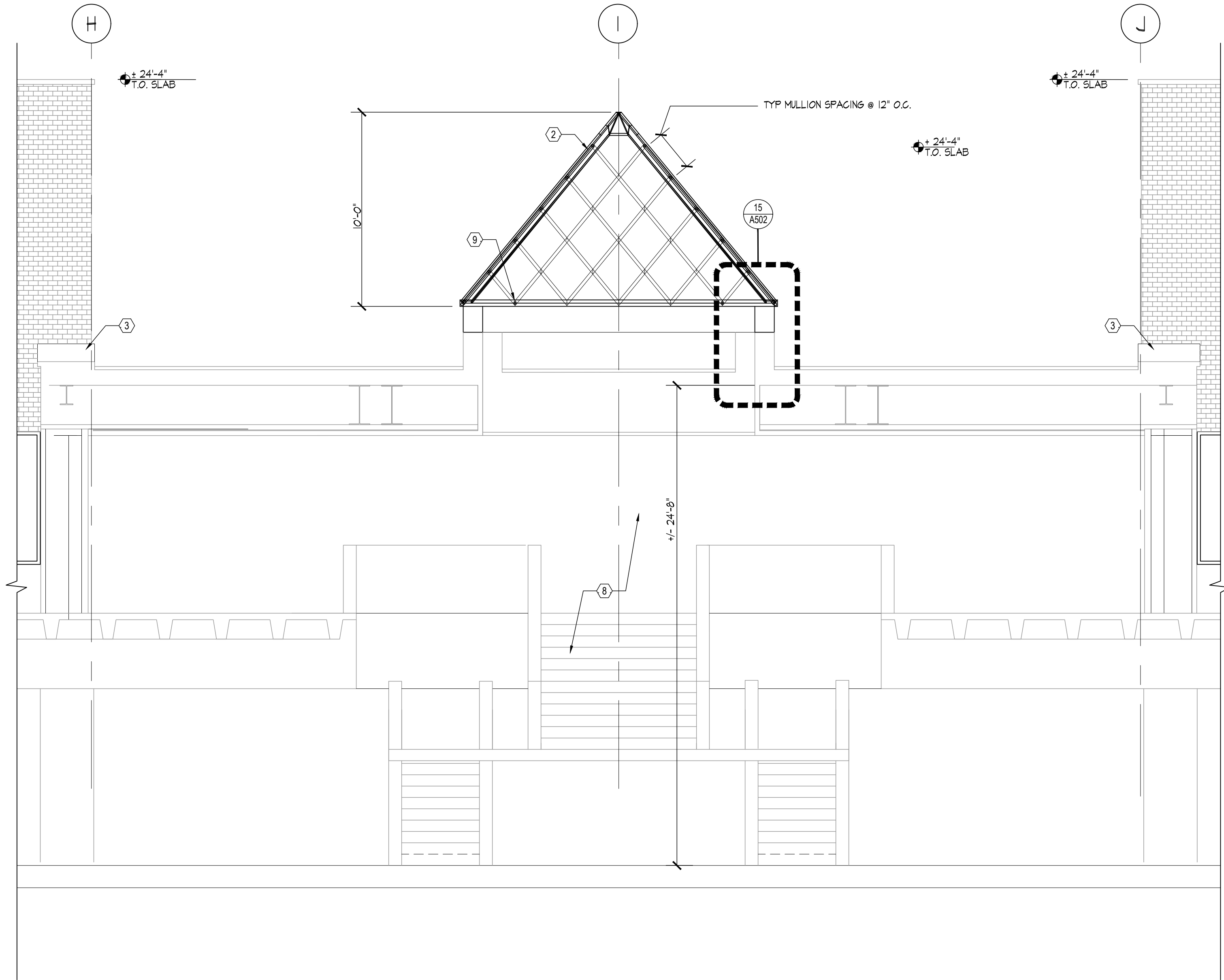
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Title
EXTERIOR SECTIONAL
ELEV. - NORTH & SOUTH

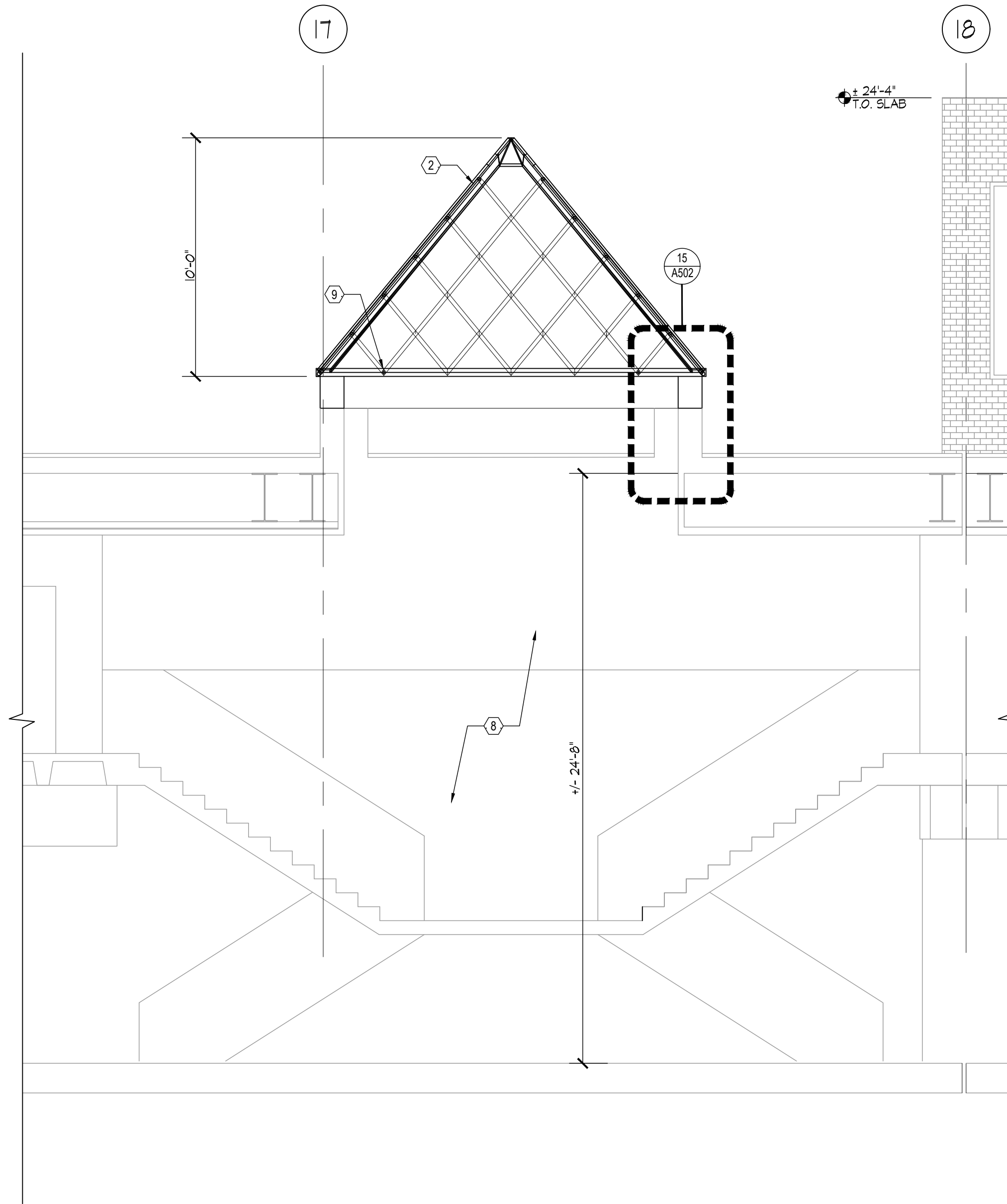


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2 SKYLIGHT SECTION EAST - WEST
1/4"=1'-0"



1 SKYLIGHT SECTION NORTH - SOUTH
1/4"=1'-0"

KEY NOTES:

- 1 NEW ROOF ASSEMBLY.
- 2 NEW PREFABRICATED SKYLIGHT STRUCTURE ON NEW RAISED CONCRETE CURB.
- 3 NEW RAISED MASONRY PARAPET WITH METAL COPING.
- 4 REINSTALL EXISTING METAL SCREEN WALL ON EXISTING DUNNAGE.
- 5 FLASHING AT HIGH ROOF WALL BELOW.
- 6 INSTALL NEW THROUGH WALL FLASHING AT MEZZANINE WALL.
- 7 NOT USED
- 8 PROVIDE PROTECTION FOR STAIRS RAILINGS AND FINISHES WITHIN DOUBLE HEIGHT STAIRWELL SPACE BELOW SKYLIGHT THROUGHOUT THE REMOVAL AND RE-INSTALLATION OF THE SKYLIGHT UNIT. PROVIDE AN INSULATED AND PAINTED TEMPORARY PARTITIONS AT BOTH LEVELS OF THE STAIR TO SEPARATE THE AREA OF WORK FROM THE LIBRARY SPACE. REFER TO SHEET 6003.
- 9 PROVIDE PROTECTION FROM ELEMENTS AT SKYLIGHT OPENING AFTER REMOVAL.
- 10 PROVIDE DESIGN FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.



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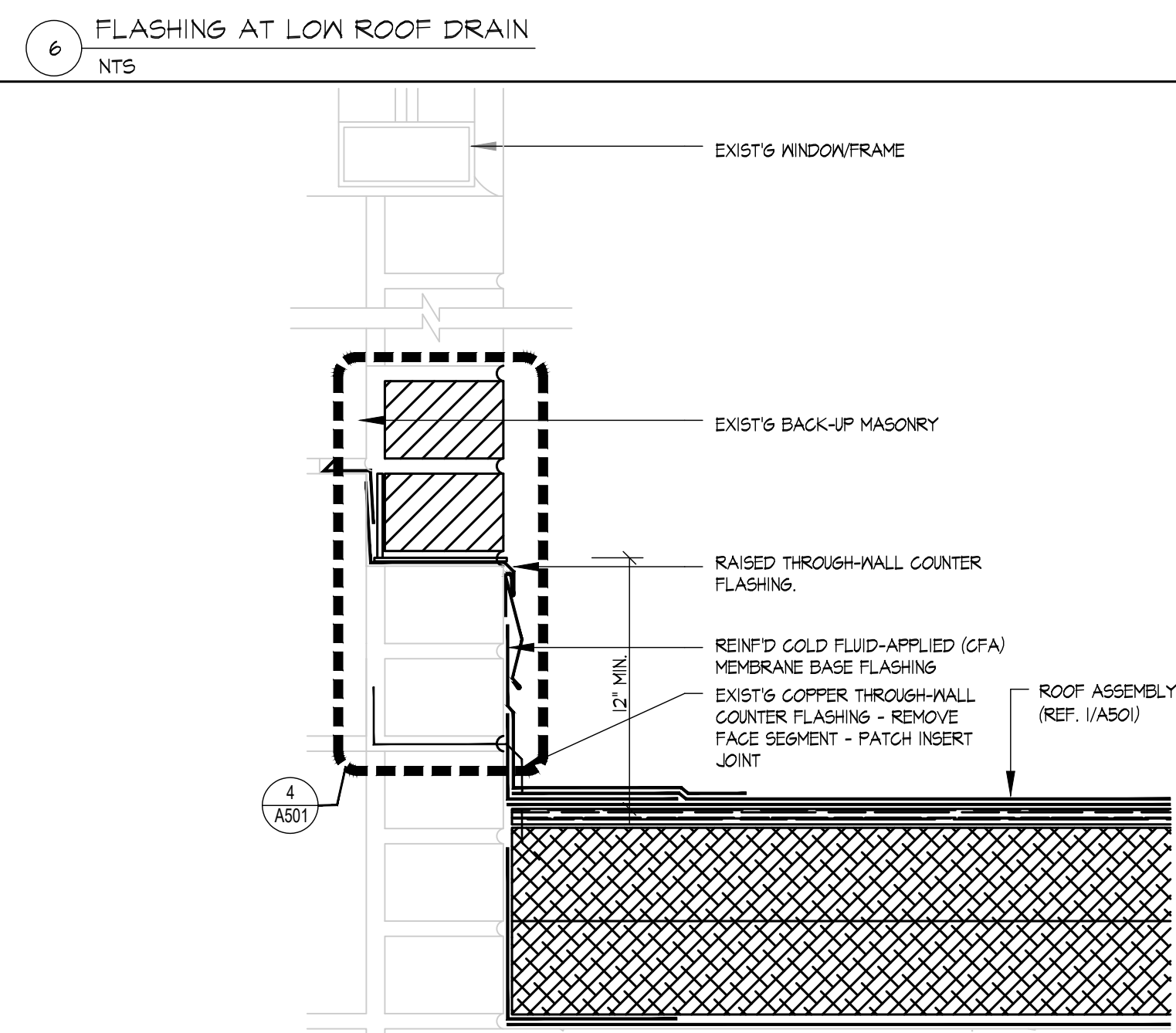
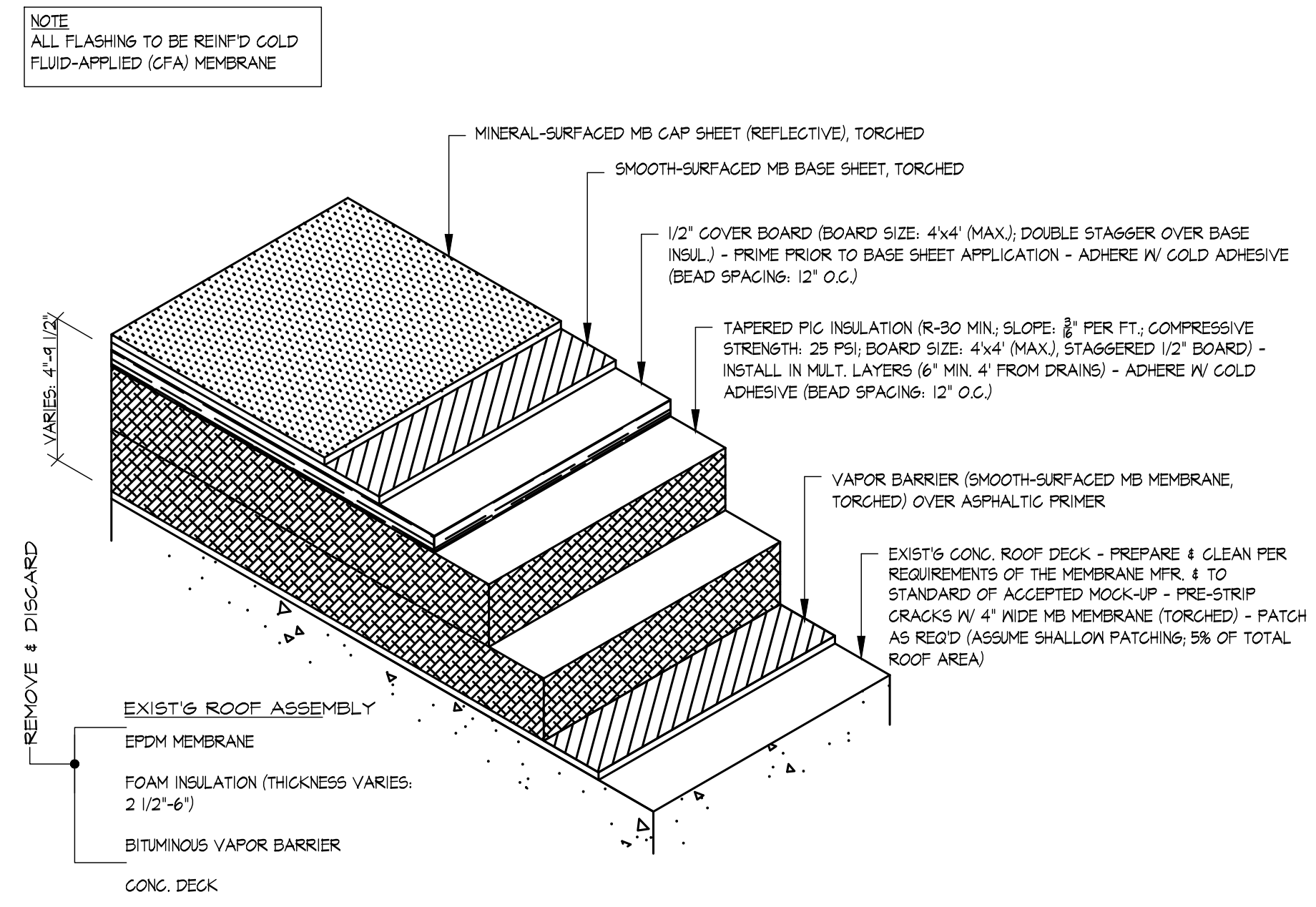
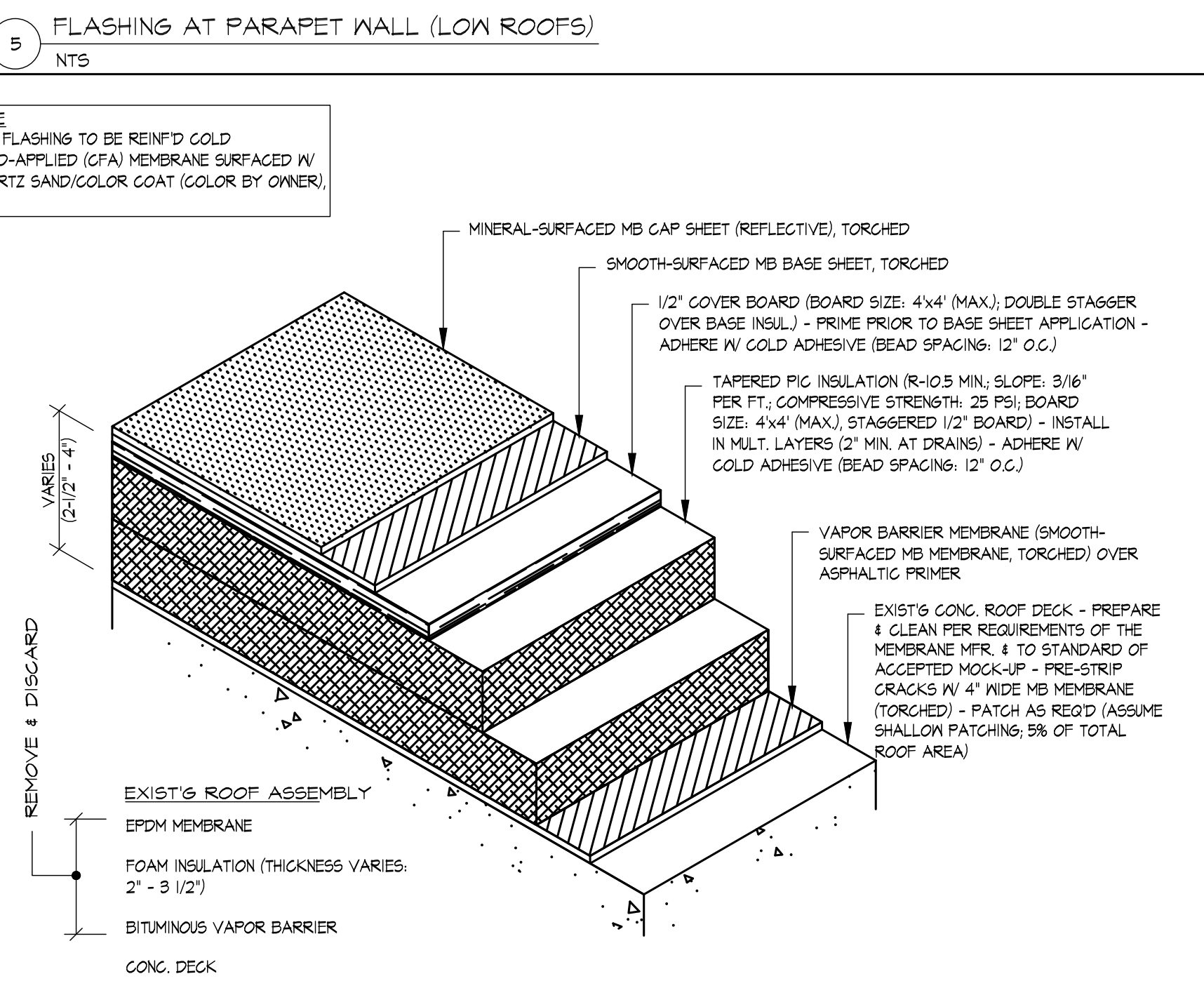
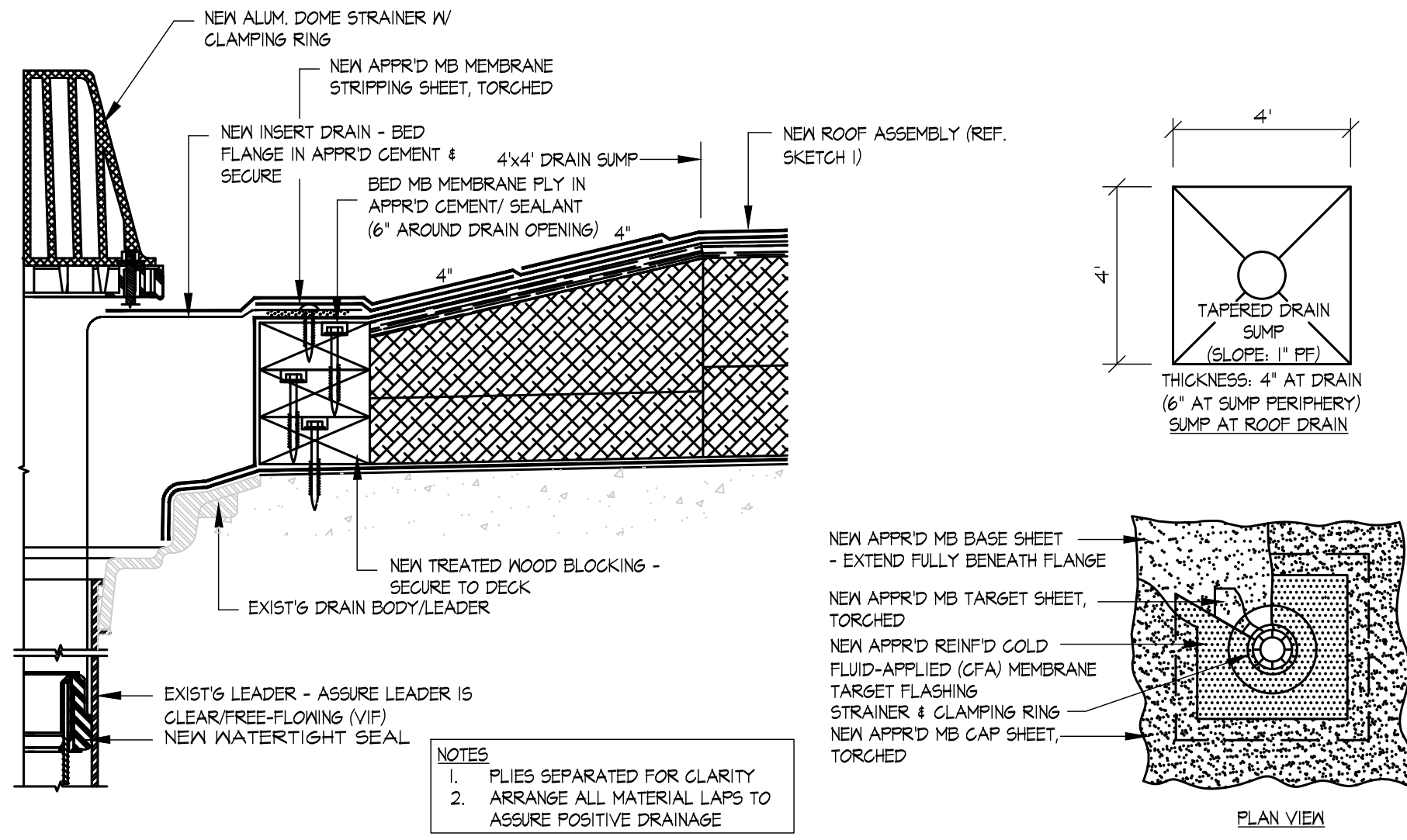
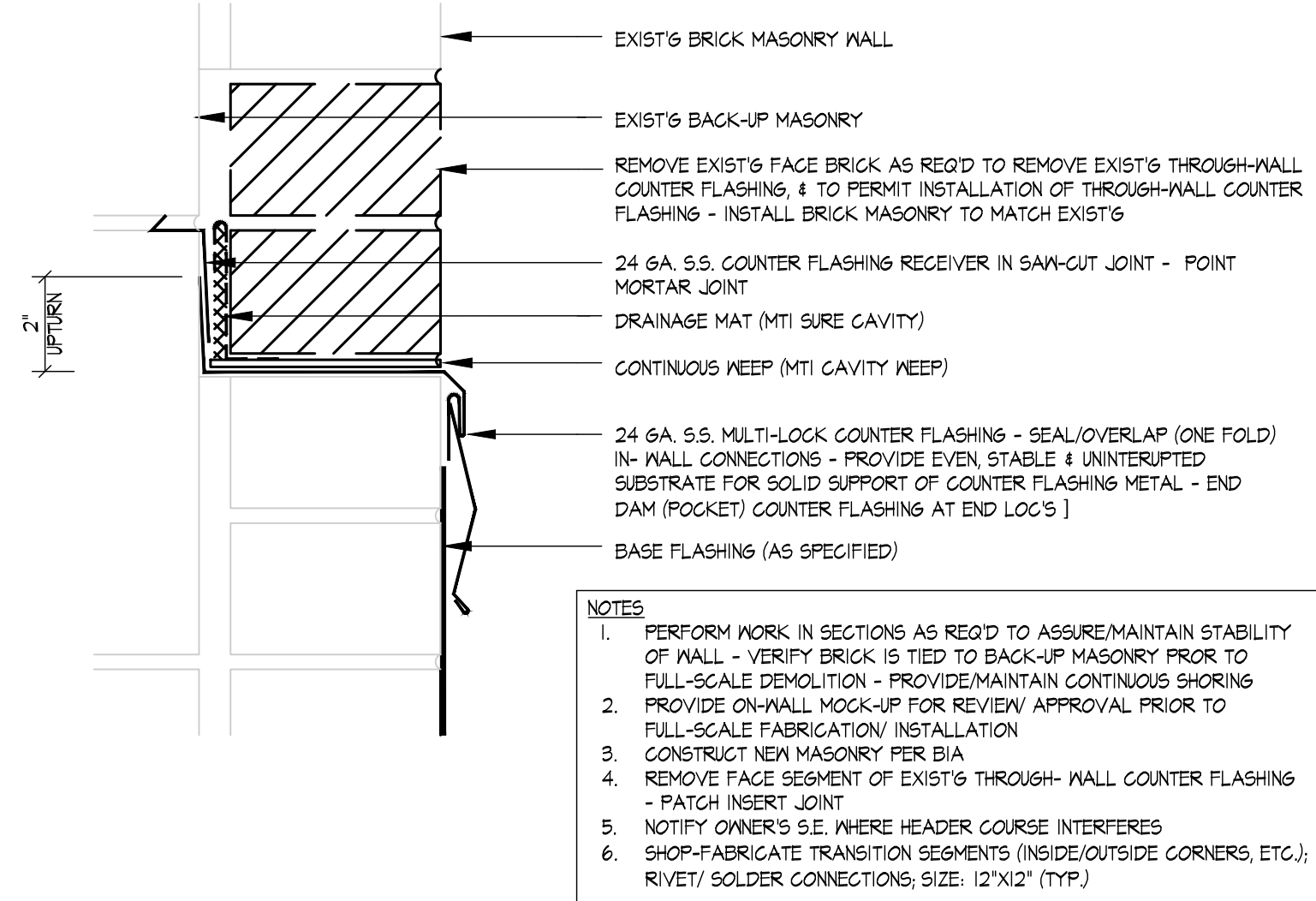
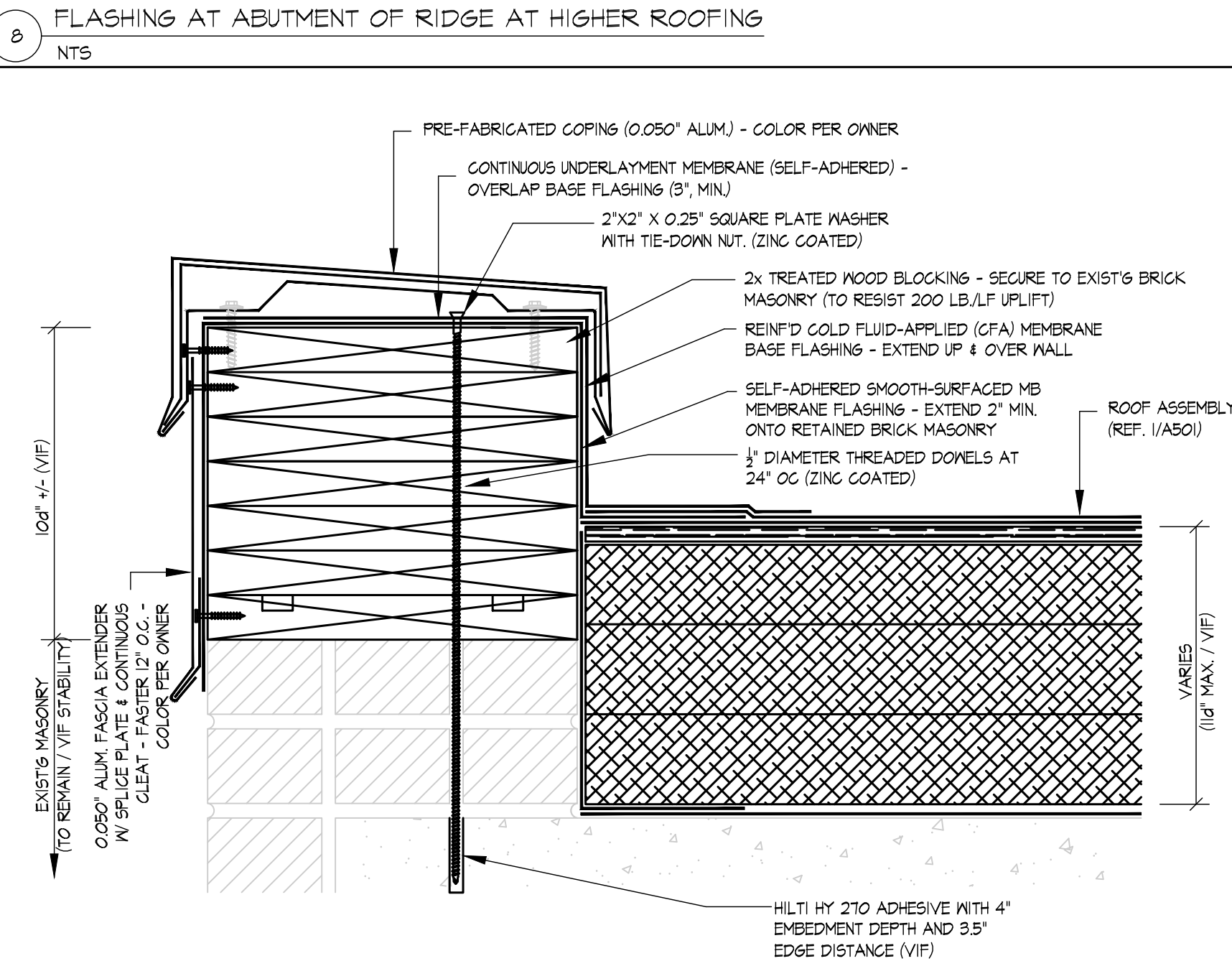
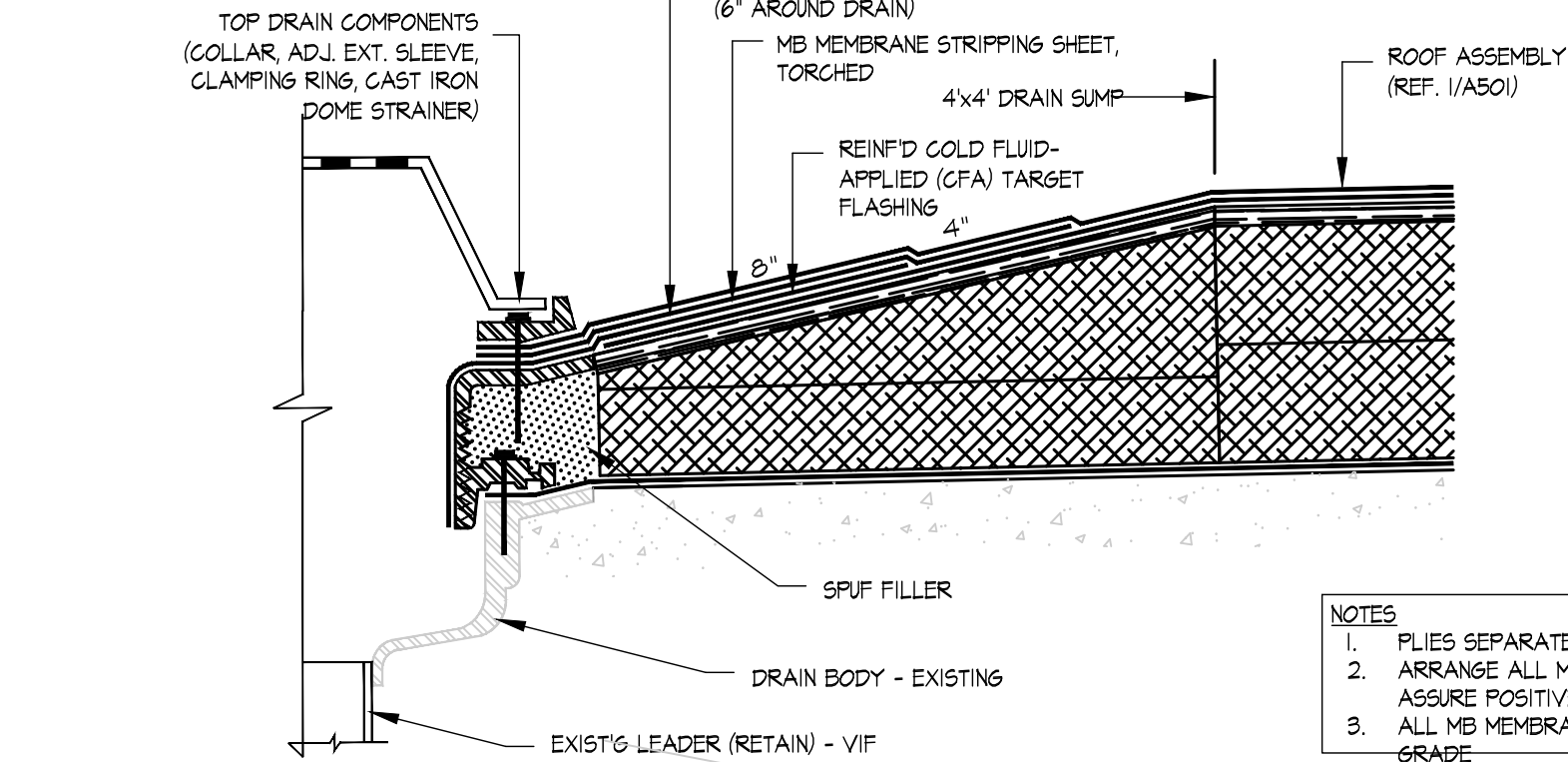
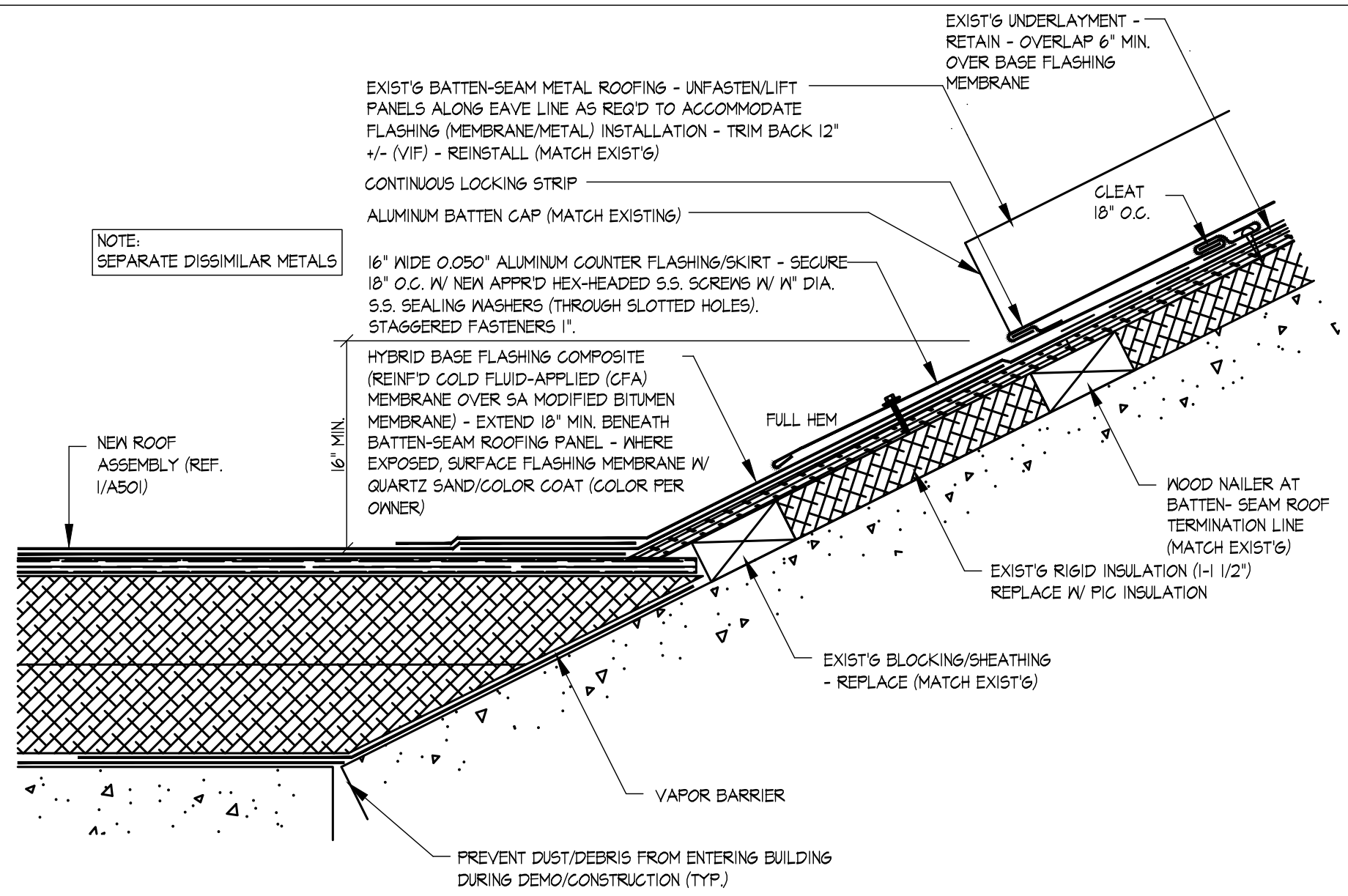
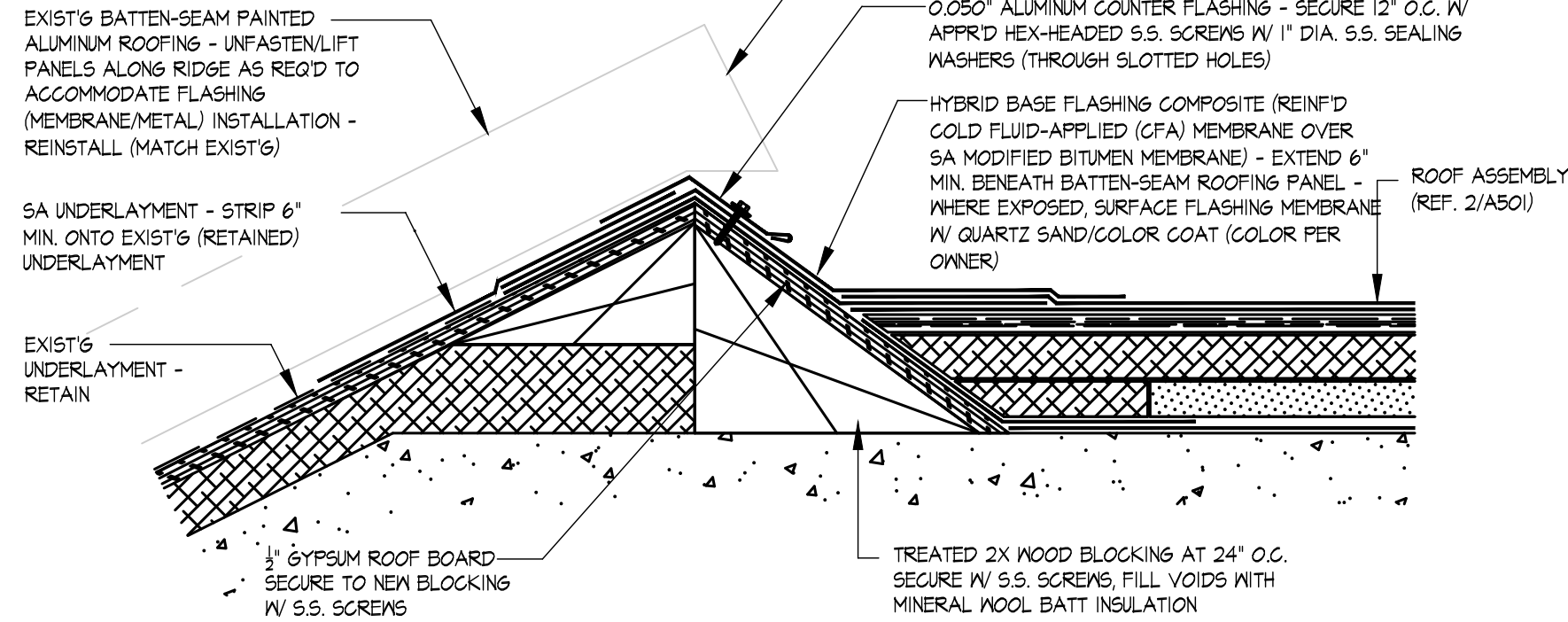
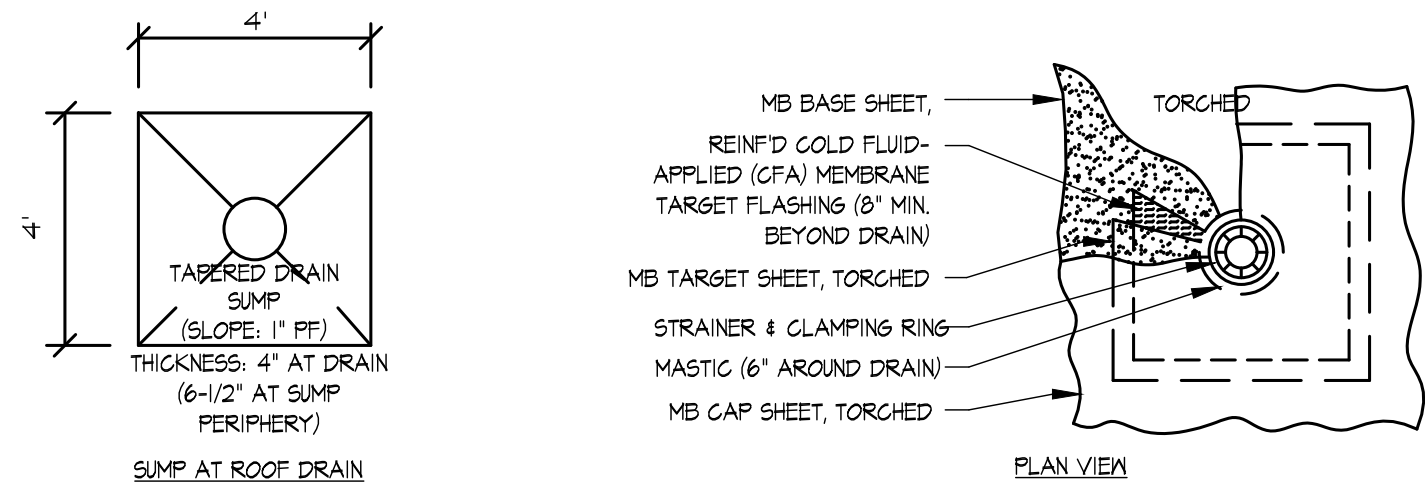
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Title
SKYLIGHT SECTIONS



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CHK By EP
Scale AS NOTED

A-301.00
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2 NEW ROOF ASSEMBLY (HIGH ROOFS)
NTS

1 NEW ROOF ASSEMBLY (LOW ROOFS)
NTS

3 FLASHING AT MASONRY WALL
NTS

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Title
ROOF DETAILS

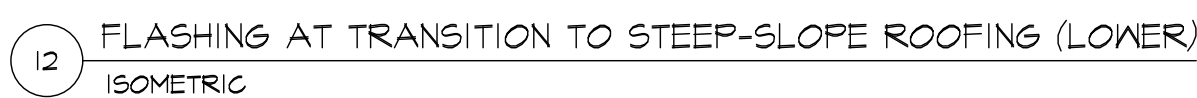


Date 00-00-2023
RRA Project No. 4256
Drawing By MM, SG
CHK By EP
Scale AS NOTED

A-501.00
#



16 NOT USED
NTS





26 DUNNAGE SCREEN PHOTO
N.T.S.

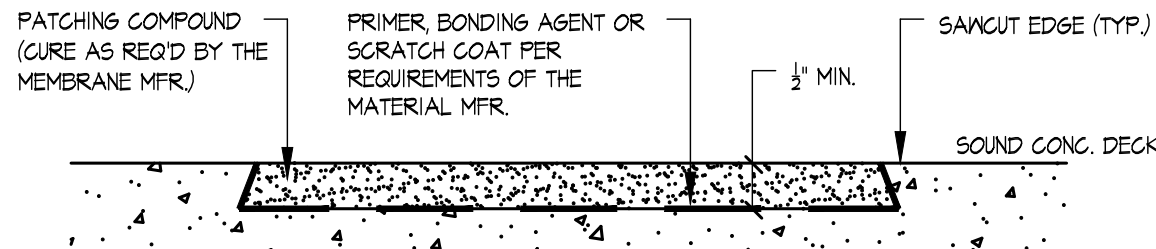
BOLTED CONNECTIONS

25 ROLLER BARRIER PHOTO
N.T.S.

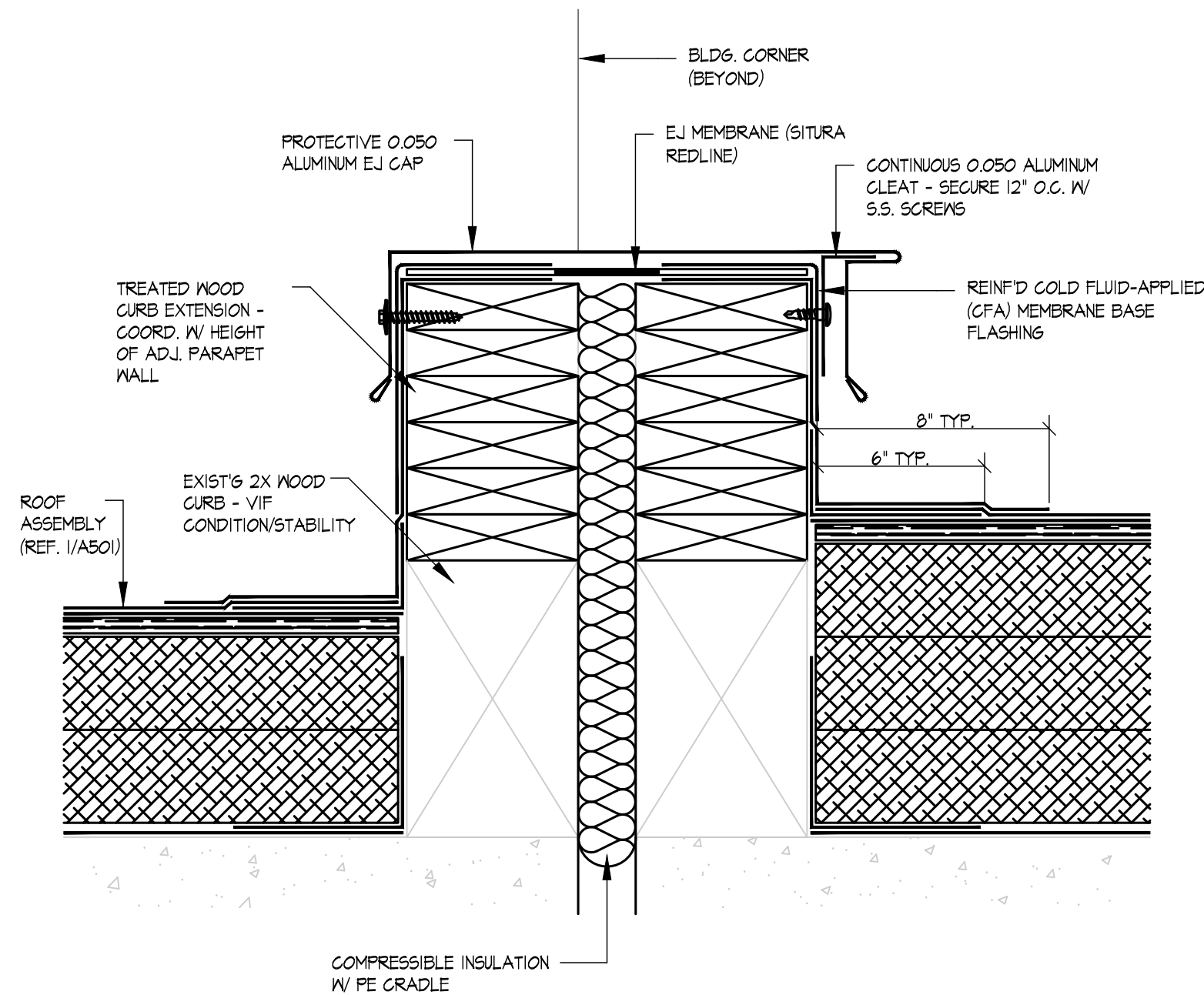
ANCHORS INTO MASONRY @ 36" SPACING

24 NOT USED
N.T.S.

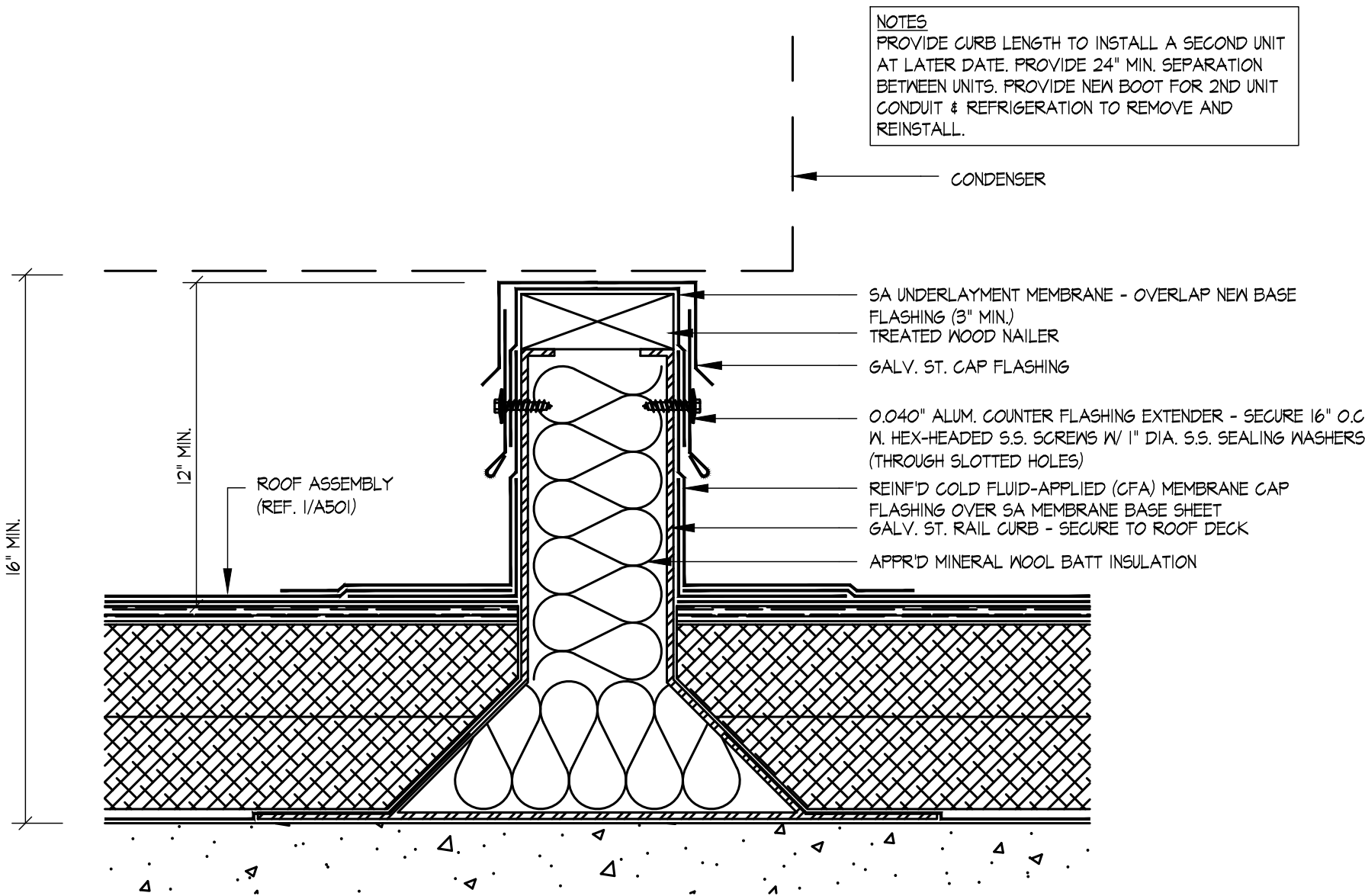
- NOTES
1. SHALLOW SPALLS: 1" DEEP
DEEP SPALLS: 1-2"
 2. NOTIFY EOR/AOR IN THE EVENT
REBAR/REINFS IS EXPOSED



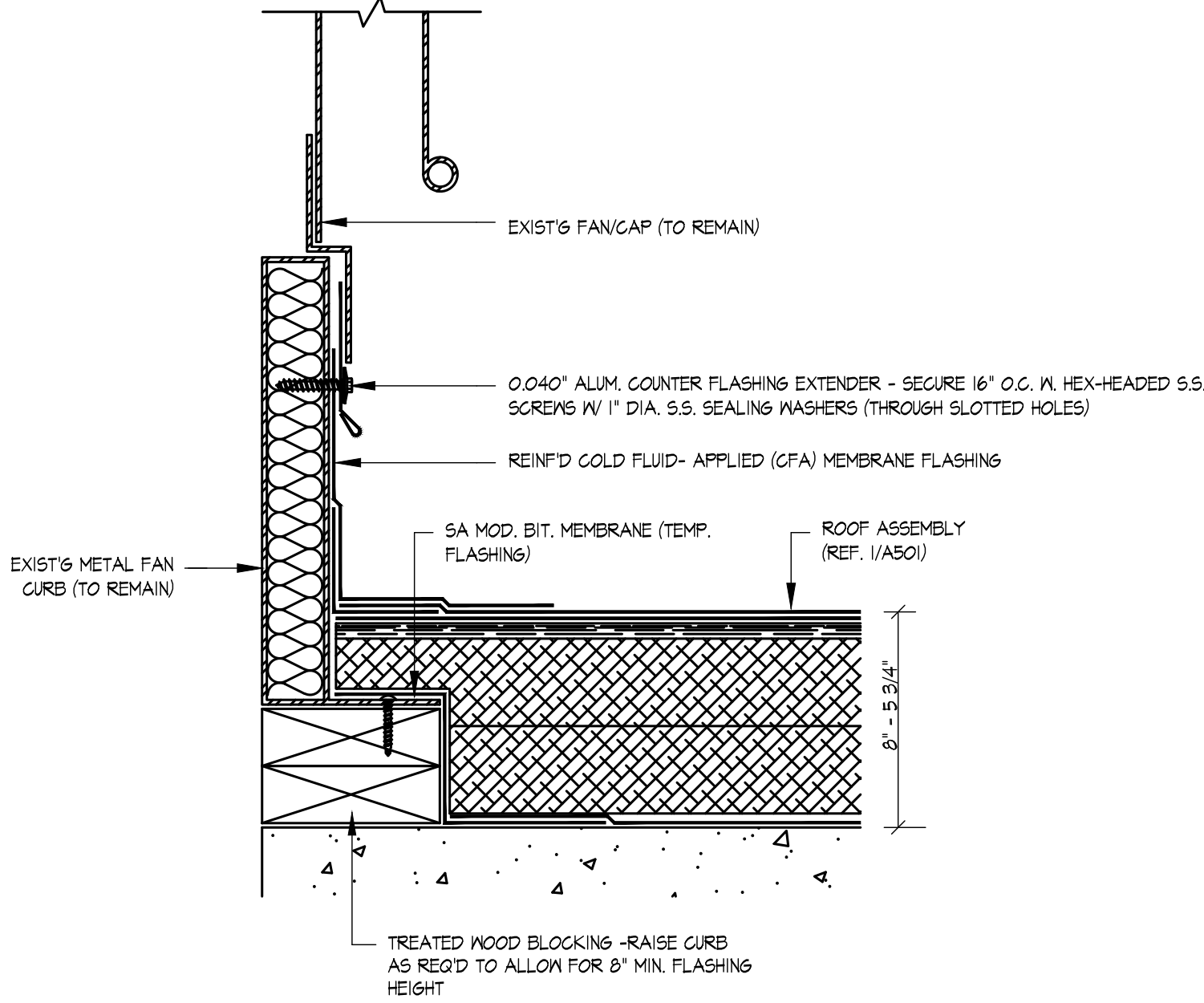
23 PATCHING AT DECK SPALLS
N.T.S.



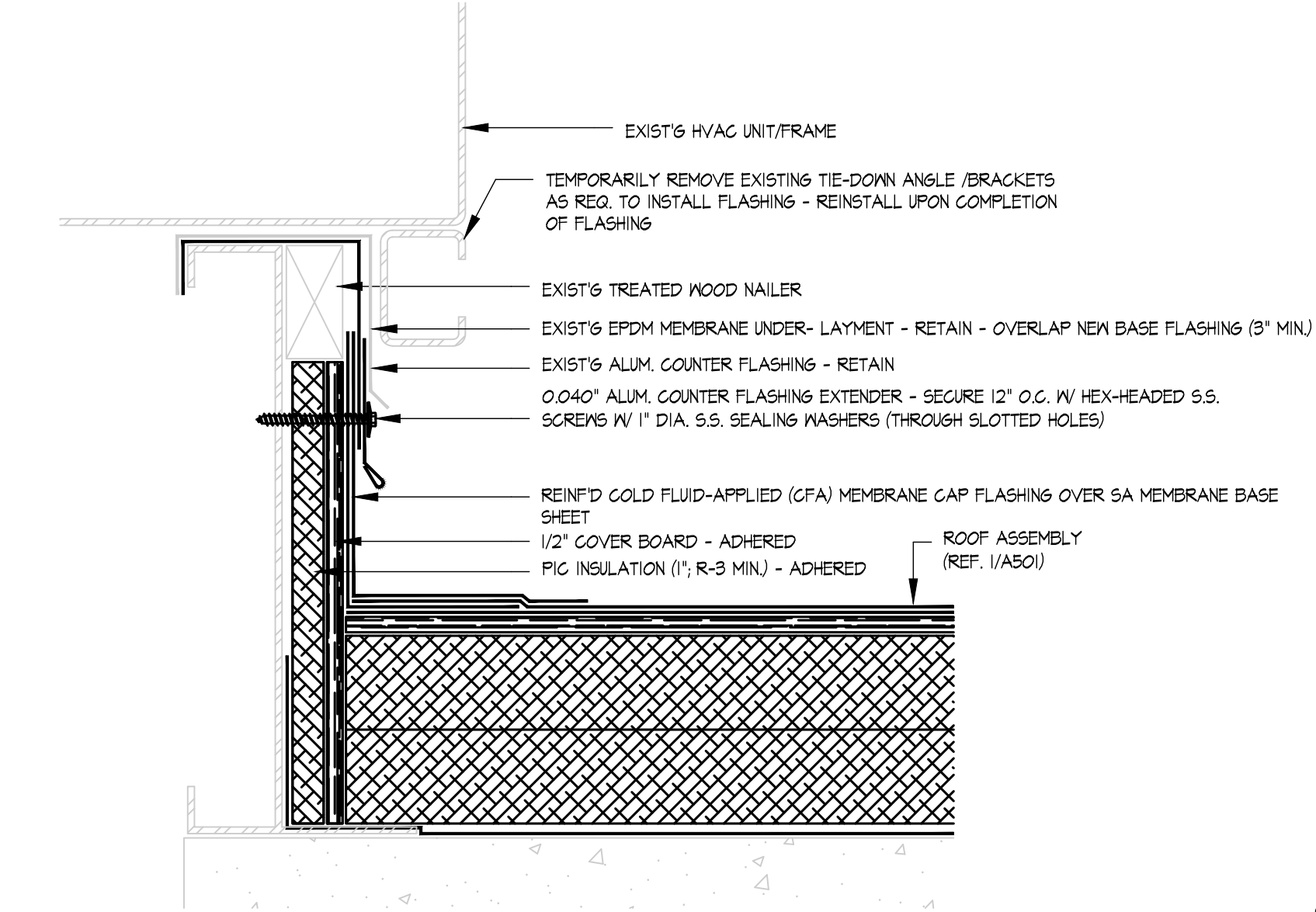
22 FLASHING DETAIL AT EXPANSION JOINT
N.T.S.



21 FLASHING AT RAIL CURB
N.T.S.



20 FLASHING AT FAN CURB
N.T.S.



19 FLASHING AT HVAC CURB
N.T.S.

REPLACE LIBRARY ROOF
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735 Anderson Hill Rd.
Purchase, NY 10577

SUCF PROJECT #291071

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No.	Date	Revision
0	28 July 2023	Issue for 50% DD
1	13 Nov. 2023	Issue for Pre-Bid
2	23 Feb. 2024	Re-Issue for Pre-Bid
3	07 May 2024	Issued for Bid

Title
ROOF DETAILS



Date 00-00-2023
RRA Project No. 4256
Drawing By MM, SG
CHK By EP
Scale AS NOTED

A-503.00
#

A-504.00



PARTIAL ROOF PLAN - SKYLIGHT

SCALE: 1/8" = 1'-0"



SKYLIGHT CURB

SCALE: 3" = 1'-0"

GENERAL NOTES:

ALL WORK SHALL BE IN CONFORMANCE WITH STRUCTURAL DRAWINGS AND THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE 2020 ("THE BUILDING CODE" REFERENCED IN THE FOLLOWING NOTES).

1. TO THE BEST OF OUR KNOWLEDGE, THE STRUCTURAL DRAWINGS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING BUILDING CODE.
2. CONSTRUCTION IS TO COMPLY WITH THE REQUIREMENTS OF THE GOVERNING BUILDING CODE NOTED ABOVE AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES, STANDARDS, REGULATIONS, AND LAWS.
3. CONTRACTORS SHALL BE RESPONSIBLE FOR FINAL VERIFICATION OF ALL DIMENSIONS, ELEVATIONS, CLEARANCES, ETC. OF THE FRAMING SHOWN ON THE STRUCTURAL DRAWINGS AGAINST FIELD VERIFICATION INFORMATION PRIOR TO PROCEEDING WITH ANY RELATED PORTION OF WORK.
4. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO CONTRACTOR MISLOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. IN THE EVENT THAT CERTAIN DETAILS OF THE CONSTRUCTION ARE NOT FULLY SHOWN OR NOTED ON THE DRAWINGS, THEIR CONSTRUCTION SHALL BE OF THE SAME TYPE AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN AND NOTED, SUBJECT TO THE STRUCTURAL ENGINEER'S APPROVAL. DETAILS LABELED "TYPICAL" APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYS IN AT EACH LOCATION. QUESTIONS REGARDING THE APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE PROJECT ENGINEER.
6. YSRAEL A. SEINUK, PC, (YAS) SHALL NEITHER HAVE CONTROL OVER OR CHARGE OF, NOR BE RESPONSIBLE FOR, THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RIGHTS AND RESPONSIBILITIES UNDER THE APPROVAL. CONTRACTOR SHALL NOT BE RESPONSIBLE FOR THE ACTIONS OF ANY SUBCONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROTECT PROJECT PROPERTY, HIS OWN WORK, AND THE PUBLIC FROM HARM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY INCLUDING ALL OSHA REQUIREMENTS.
7. THE STRUCTURE WAS DESIGNED TO BE SELF-SUPPORTING AND STABLE FOLLOWING INSTALLATION OF ALL COMPONENTS AS INDICATED ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE METHOD AND SEQUENCE OF ERECTION PROCEDURES INCLUDING (INCLUDING) THE USE OF TEMPORARY SHORINGS, BRACING, ETC.) AND TO ENSURE SAFETY THROUGH THE PERIOD OF CONSTRUCTION. CONTRACTOR AGREES THAT HE WILL HOLD OWNER, ARCHITECT, ENGINEER, AND/OR ANY OF THEIR EMPLOYEES OR AGENTS, HARMLESS FROM ANY AND ALL DAMAGE AND CLAIMS WHICH MAY ARISE BY A REASON OF ANY NEGLIGENCE ON THE PART OF THE CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, OR ANY MATERIAL AND EQUIPMENT SUPPLIERS, AND/OR ANY OF THEIR EMPLOYEES OR AGENTS, IN THE PERFORMANCE OF THE CONTRACT. IN CONNECTION WITH THIS ACTION, THE CONTRACTOR, OWNER, ARCHITECT, OR ENGINEER, OR ANY OF THEIR EMPLOYEES OR AGENTS, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DEFENSE THEREOF, TO THE FULL SATISFACTION OF THE LATTER PARTY.

CONCRETE AND STEEL REINFORCEMENT NOTES


1. ALL CONCRETE WORK SHALL BE IN CONFORMANCE WITH THE CODE, AND AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318 - 14 ("ACI").
 - 1.1. "ACI MANUAL OF CONCRETE PRACTICE" - PART 1 TO 6, BY AMERICAN CONCRETE INSTITUTE.
 - 1.2. "MANUAL OF STANDARD PRACTICE" BY CRSI.
 - 1.3. "ACI DETAILING MANUAL" BY ACI.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE (U.O.N) AND COMPLY WITH THE BUILDING CODE, PROJECT SPECIFICATIONS, ACI 301, AND ACI 318. APPLICATION FOR CONTROLLED CONCRETE WITH CONCRETE DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW.

3. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - 3.1. CURB AND PIERS: 4500 PSI AT 28 DAYS, STONE CONCRETE.
4. ALL STEEL REINFORCEMENT SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 90,000 PSI AS PER ASTM A615, GRADE 60. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE NECESSARY CHAIRS, SPACERS, TIE SPACERS, ETC., TO SECURE AND SUPPORT THE REINF. WHILE PLACING THE CONCRETE. REINFORCING SHALL BE EPOXY COATED WHERE INDICATED IN THESE NOTES AND/OR ON PLANS.
5. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 315 AND ACI 318. THE CONTRACTOR MUST SUBMIT REINFORCING SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL THE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER AND APPROVED BY THE BUILDING DEPARTMENT.
6. THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE SHALL CHECK AND APPROVE ALL STEEL REINFORCEMENT PRIOR TO CONCRETE PLACEMENT. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF 10% OF ADDITIONAL REINFORCING STEEL, INCLUDING FABRICATION, BENDING, FURNISHING AND PLACING. THIS EXTRA STOCK SHALL BE USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT. THE ARCHITECT'S AGENT OF THE OWNER'S CONSTRUCTION SUPERVISOR, THE COST OF ALL UN-USED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S ACCOUNT.
7. REINFORCING SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE, WITH APPROPRIATE BAR SUPPORTS AND SPACERS. LAP CONTINUOUS REINFORCING THE GREATER OF 48 INCHES OR 30% OF THE BAR LENGTH SHOWN ON DRAWING. LAP BOTTOM STEEL OVER SUPPORTS AND TOP STEEL AT MIDSPAN (UNO). HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS (UNO). PROVIDE COVER REINFORCING AS FOLLOWS:

ELEMENTS	BOTTOM	TOP	SIDE
BEAMS ABOVE GRADE	1 ½"	1 ½"	1 ½"
WALLS AND CURBS	--	--	¾"

8. ALL SPLICES SHALL BE LAPPED IN ACCORDANCE WITH ACI 318. THE LOCATIONS SHALL BE INDICATED ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER OF RECORD. GENERALLY, ALL SPLICES SHALL BE STAGGERED AND LOCATED AWAY FROM THE SECTION OF MAXIMUM TENSILE STRESS. ALL REINFORCEMENT SHALL BE ACCURATELY PLACED AND SECURELY WIRED TO PREVENT DISLOCATION FROM PROPER POSITION. PROVIDE CHAIRS FOR SUPPORT OF ALL REINFORCEMENTS. LIFTING OF BARS OR MESH DURING PLACEMENT OF CONCRETE IS NOT PERMITTED.
9. DO NOT INCREASE QUANTITY OF WATER IN EXCESS OF THAT ESTABLISHED BY DESIGN MIX. IF LOSS OF SLUMP OCCURS BECAUSE OF THE USE OF FIBERMESH, ADD SUPERPLASTICIZER IN ACCORDANCE WITH TESTING LABORATORIES INSTRUCTIONS.
10. WHEN MEAN-DAILY-TEMPERATURE RISES ABOVE 90F, PROVIDE HOT WEATHER PROTECTION IN ACCORDANCE WITH ACI 306. WHEN MEAN-DAILY-TEMPERATURE FALLS BELOW 40F, PROVIDE COLD WEATHER PROTECTION IN ACCORDANCE WITH ACI 306. SUBMIT PROPOSED METHODS FOR COLD AND/OR HOT WEATHER CONCRETING FOR REVIEW.
11. DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE ACI CODE. PROVIDE ¾" CHAMFER FOR ALL EXPOSED CORNERS.
12. WHERE NO REINFORCEMENT IS SPECIFIED ON DRAWINGS, PROVIDE MINIMUM TEMPERATURE REINFORCEMENT IN ACCORDANCE WITH ACI-318, BUT, NOT LESS THAN #4 REBARS AT 16" ON CENTER.
13. WHEN INSTALLING EXPANSION BOLTS OR ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURE TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF THE CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING BOLTS OR ADHESIVE ANCHORS.
14. VOID FORMERS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE RIGID CLOSED CELL EXPANDED POLYSTYRENE CONFORMING TO ASTM C578. VOID FORMERS SHALL UNDERGO 10% DEFORMATION WHEN SUBJECTED TO THE FOLLOWING LOADS AS PER ASTM D1621.

14.1.COMPRESSIBLE VOID FORMERS	5.0 PSI
14.2.RIGID VOID FORMERS	25.0 PS

	SUNY at Purchase - Replace Library Roof		Proj. No:	2023-588
			Date:	4/30/2024
			By:	SXS
A. Gravity Loads			Design Code:	NYSBC 2020
<p>Except as noted, loading information for the roof top mechanical equipment have been not included in this criteria. Live loads are reducible except where noted NR (not reducible). The following are dead, superimposed dead and live loads taken for each occ</p>				
1 Main Roof - (ordinary flat and not occupiable) Live Load			(psf) 20	
B Wind Load				
Risk Category Ultimate design wind speed (3 second gust) per code 1620.2 50year MRI Wind exposure category			II 116 mph 90 mph C	
Average Design Wind Pressure (For Main Lateral Force Resisting System) Per ASCE 7, Analytical Procedure:			29 (psf)	
Ultimate Design Wind Pressure for Roof Component and Cladding (V ultimate) 1) 10 SQ FT Tributary Area Zone 1 = -54 psf, Zone 2 = -85 psf, Zone 3 = -116 psf 2) 50 SQ FT Tributary Area Zone 1 = -47 psf, Zone 2 = -75 psf, Zone 3 = -103 psf 3) 100 SQ FT Tributary Area Zone 1 = -44 psf, Zone 2 = -71 psf, Zone 3 = -98 psf				
C Seismic Load				
This Roof Replacement Project has no added seismic weight in comparison to the original building condition. Seismic design requirement is not applicable.				
D Snow load				
This Roof replacement project has no change to the roof geometry and no change to the existing roof snow load condition. Ground Snow Load is 30 psf.				
E Roof Rain load				
This Roof replacement project has no change to the roof geometry and no change to the existing roof drainage condition.				
Special Inspection per Code Chapter 17				
1. Concrete Construction per 1705.3				
1a. Inspect reinforcement				
1b. Inspect post installed anchors.				
1c. Verify concrete design mix.				
1d. Inspect formwork for shape, location, and dimensions.				

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SUCF PROJECT #291071

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No.	Date	Revision
0	28 July 2023	Issue for 50% DD
1	13 Nov. 2023	Issue for Pre-Bid
2	23 Feb. 2024	Re-Issue for Pre-Bid
3	07 May 2024	Issued for Bid

Title

SKYLIGHT DETAIL AND NOTE



Date 00-00-2023
RRA Project No. 4256
Drawing By MM, SG
CHK By EP
Scale AS NOTED

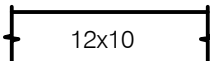
S-400.00

GENERAL NOTES

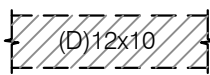
1. CODE PERMITS AND INSPECTIONS

- 1.1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LATEST APPLICABLE CODES, REGULATIONS, AND STANDARDS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
- 1.2. APPROVAL AND SIGN-OFF BY ALL AUTHORITIES HAVING JURISDICTION IS REQUIRED AT THE COMPLETION OF PROJECT. SECURE PERMIT AND INSPECTION CERTIFICATES AND TRANSMIT SAME TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- 1.3. PERFORM ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
- 1.3.A. NEW YORK STATE MECHANICAL CODE: 2020
- 1.3.B. NEW YORK STATE FUEL GAS CODE: 2020
- 1.3.C. NEW YORK STATE FIRE CODE: 2020
- 1.3.D. NEW YORK STATE BUILDING CODE: 2020
- 1.3.E. NEW YORK STATE ENERGY CONSERVATION CODE: 2020 W/NYSTRECH ENERGY CODE
- 1.3.F. NEW YORK STATE PLUMBING CODE: 2020
- 1.3.G. ASHRAE STANDARD 90.1.2016
- 1.3.H. SMACNA DUCT CONSTRUCTION STANDARDS: LATEST EDITIONS
- 1.4. CONTRACTOR SHALL COMPLY WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS.

SYMBOLS



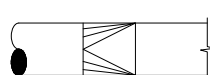
NEW DUCT (1ST DIMENSION INDICATES TOP SHOWN, INSIDE CLEAR DIMENSIONS).



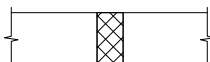
EXISTING DUCTWORK OR EQUIPMENT TO BE REMOVED



DUCTWORK WITH TRANSITION



RECTANGULAR/SQUARE DUCT TO ROUND DUCT SIZE TRANSITION



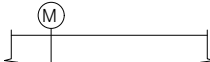
FLEXIBLE DUCT CONNECTOR



MANUAL VOLUME DAMPER



SMOKE DAMPER



MOTORIZED DAMPER



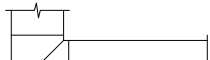
FIRE DAMPER / FIRE SMOKE DAMPER



DUCT TO RISE UP



DUCT TO DROP DOWN



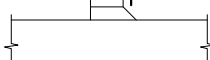
SQUARE ELBOW WITH TURNING VANES



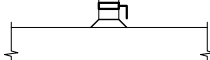
RADIUS ELBOW



DUCTWORK WITH DUCT BRANCH



DUCTWORK WITH ROUND DUCT TAKE-OFF



ROUND DUCT TO RISE UP



ROUND DUCT TO DROP DOWN



POINT OF DEMOLITION



POINT OF CONNECTION



THERMOSTAT



EXISTING THERMOSTAT TO BE REMOVED

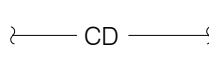


WIRELESS REMOTE CONTROLLER

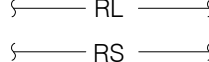


EXISTING WIRELESS REMOTE CONTROLLER TO BE REMOVED

NOTE: ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.



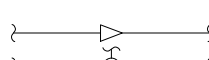
CONDENSATE DRAIN



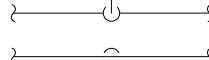
REFRIGERATION LIQUID



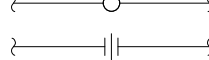
REFRIGERATION SUCTION



CAPPED CONNECTION



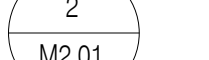
ELBOW TURNED DOWN



ELBOW TURNED UP



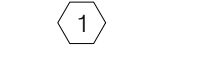
REDUCER/ INCREASER



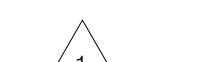
BOTTOM PIPE TAKE OFF



TOP PIPE TAKE OFF



TEE DOWN



TEE UP



UNION



DETAIL NUMBER



DETAIL SHEET NUMBER



KEYED DRAWING NOTE



EQUIPMENT TAG



REVISION NUMBER



DEMOLITION HATCH

ABBREVIATIONS

AC

AIR CONDITIONER

ACCU

AIR COOLED CONDENSING UNIT

AF

AIR FILTER

AFF

ABOVE FINISHED FLOOR

APD

AIR PRESSURE DROP

ARCH

ARCHITECTURAL

BHP

BRAKE HORSE POWER

BTUH

BRITISH THERMAL UNIT PER HOUR

CC

COOLING COIL

CD

CONDENSATE DRAIN

CFM

CUBIC FEET PER MINUTE

CLG

CEILING

CO

CLEAN OUT

CP

CONDENSATE PUMP

DB

DRY BULB

DIA

DIAMETER

DN

DOWN

(D)

DEMOLITION

DWG

DRAWING

EA

EXHAUST AIR

EAT

ENTERING AIR TEMPERATURE

EF

EXHAUST FAN

EG

EXHAUST GRILLE

EV

EXHAUST VENT

(E)

EXISTING

F

FAHRENHEIT

FD

FIRE DAMPER

FL

FLOOR

FPM

FEET PER MINUTE

FT

FEET

GV

HOODED GRAVITY RELIEF VENT

GPM

GALLONS PER MINUTE

HC

HEATING COIL

HP

HORSE POWER

HR

HOUR

HS

HUMIDITY SENSOR

HWC

HOT WATER COIL

IN

INCH

KW

KILOWATT

LAN

LOCAL AREA NETWORK

LAT

LEAVING AIR TEMPERATURE

LB

POUNDS

LF

LINEAR FEET

MAX

MAXIMUM

MBH

1000 BTUH

MECH

MECHANICAL

MIN

MINIMUM

NC

NOISE CRITERIA

NIC

NOT IN CONTRACT

NOM

NOMINAL

No.

NUMBER

OA

OUTSIDE AIR

OAT

OUTSIDE AIR TEMPERATURE

PD

PRESSURE DROP

PS

PRESSURE SENSOR

PSI

POUNDS PER SQUARE INCH

R

WIRELESS REMOTE CONTROLLER

RA

RETURN AIR

RAT

RETURN AIR TEMPERATURE

RF

RETURN FAN

RL

REFRIGERANT LIQUID

RPM

REVOLUTION PER MINUTE

RS

REFRIGERANT SUCTION

RTU

ROOF TOP UNIT

(R)

RELOCATED

SA

SUPPLY AIR

SAT

SUPPLY AIR TEMPERATURE

SF

SUPPLY FAN

SG

SUPPLY GRILLE

TS

TEMPERATURE SENSOR

TYP

TYPICAL

UH

UNIT HEATER

UNO

UNLESS NOTED OTHERWISE

VAV

VARIABLE AIR VOLUME

VFD

VARIABLE FREQUENCY DRIVE

VD

VOLUME DAMPER

W

WATT

WB

WET BULB

WC

WATER COLUMN

WPD

WATER PRESSURE DROP

W/

WITH

W/O

WITHOUT

NOTE: ALL ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS.

MECHANICAL DRAWING LIST

SHEET	DRAWING	TITLE
1	M-001.00	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2	MD-101.00	ROOF DEMOLITION PLAN - EAST - MECHANICAL
3	MD-102.00	ROOF DEMOLITION PLAN - WEST - MECHANICAL
4	MD-103.00	FIRST FLOOR DEMOLITION PLAN - WEST - MECHANICAL
5	M-101.00	ROOF PLAN - EAST - MECHANICAL
6	M-102.00	ROOF PLAN - WEST - MECHANICAL
7	M-103.00	FIRST FLOOR PLAN - WEST - MECHANICAL
8	M-601.00	MECHANICAL SCHEDULES, CONTROLS AND DETAILS

ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.

Purchase, NY 10577

LIBRARY BUILDING

SUCF PROJECT #291071

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Ronnette Riley *Architect*



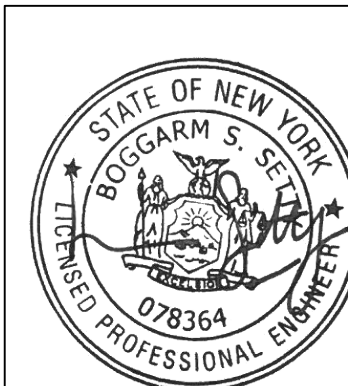
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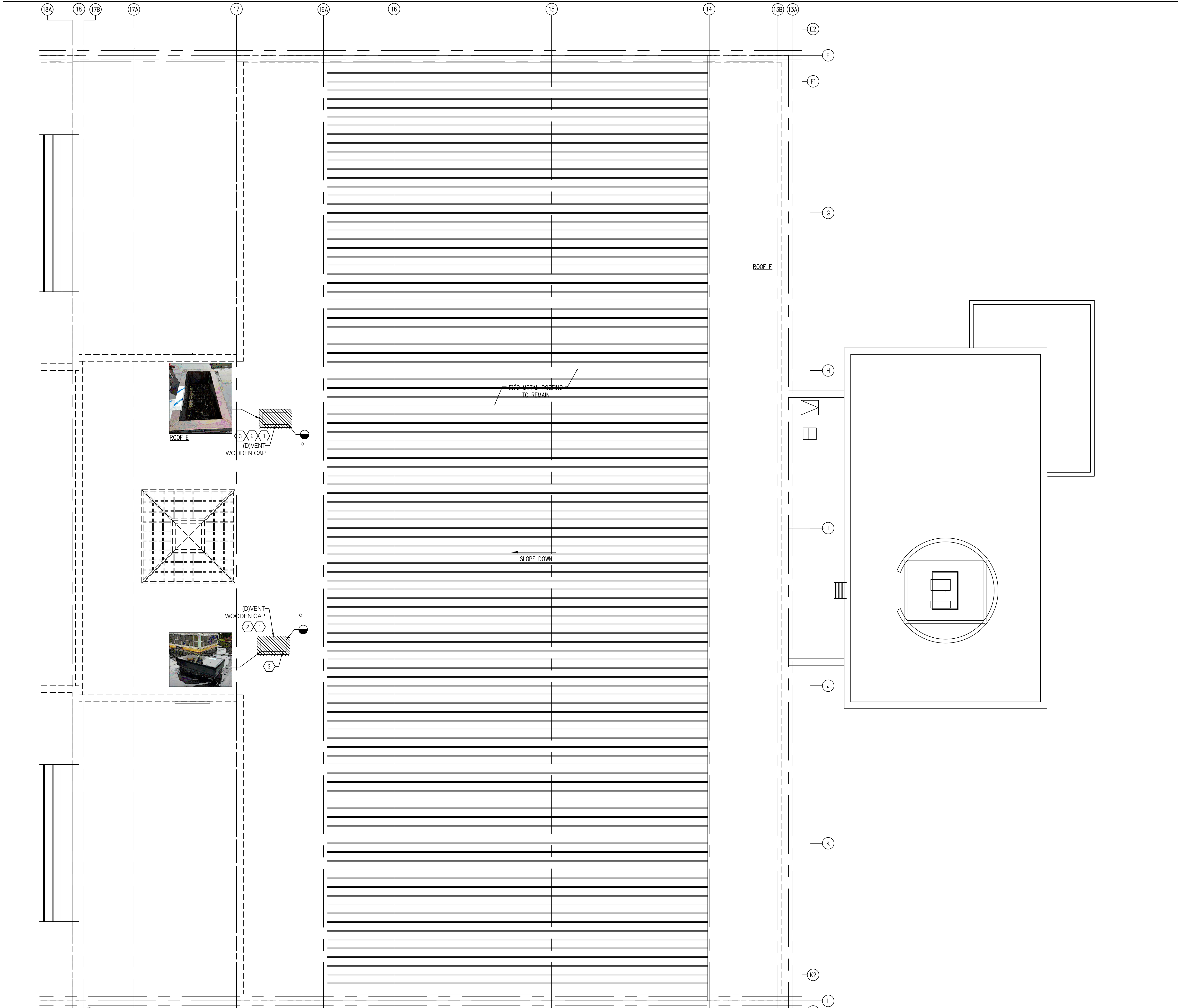
No.	Date	Revision
0	28 JULY 2023	ISSUE FOR 50% DD
1	22 DEC 2023	DRAFT SUBMISSION
2	16 FEB 2024	ISSUE FOR PRE - BID
3	07 MAY 2024	100% ISSUE FOR BID

Title
GENERAL NOTES, SYMBOLS
& ABBREVIATIONS



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

DOB Rev
M-001.00



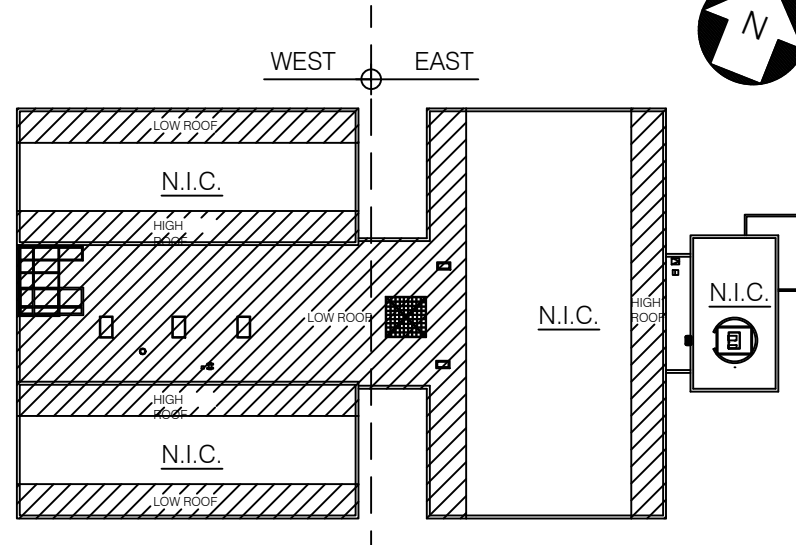
FLOOR PLAN NOTES

GENERAL NOTES:

SHEET KEY NOTES:

1. REMOVE RELIEF AIR VENT WOODEN CAP, WIRE MESH SCREEN AND DISCONNECT DUCTWORK. CONTRACTOR TO PROTECT THE ROOF CAP OPENING UNTIL THE INSTALLATION OF NEW ROOF CURB AND GRAVITY RELIEF AIR VENT. PROTECTION SHALL BE SEALED AND WEATHER PROOF.
2. CONTRACTOR SHALL COORDINATE WITH CAMPUS REPRESENTATIVE FOR SHUTDOWN TO MAINTAIN ONE BATHROOM EXHAUST IN OPERATION WHILE THE OTHER IS BEING REPLACED. NO SHUTDOWNS WILL BE PERMITTED WITHOUT WRITTEN KNOWLEDGE AND APPROVAL BY THE CAMPUS REPRESENTATIVE.
3. EXISTING 24"x52" VENT TO REMAIN AND REMOVE THE EXISTING ROOF CURB.

KEY PLAN:



Block #

Lot #

ROOF RENOVATION
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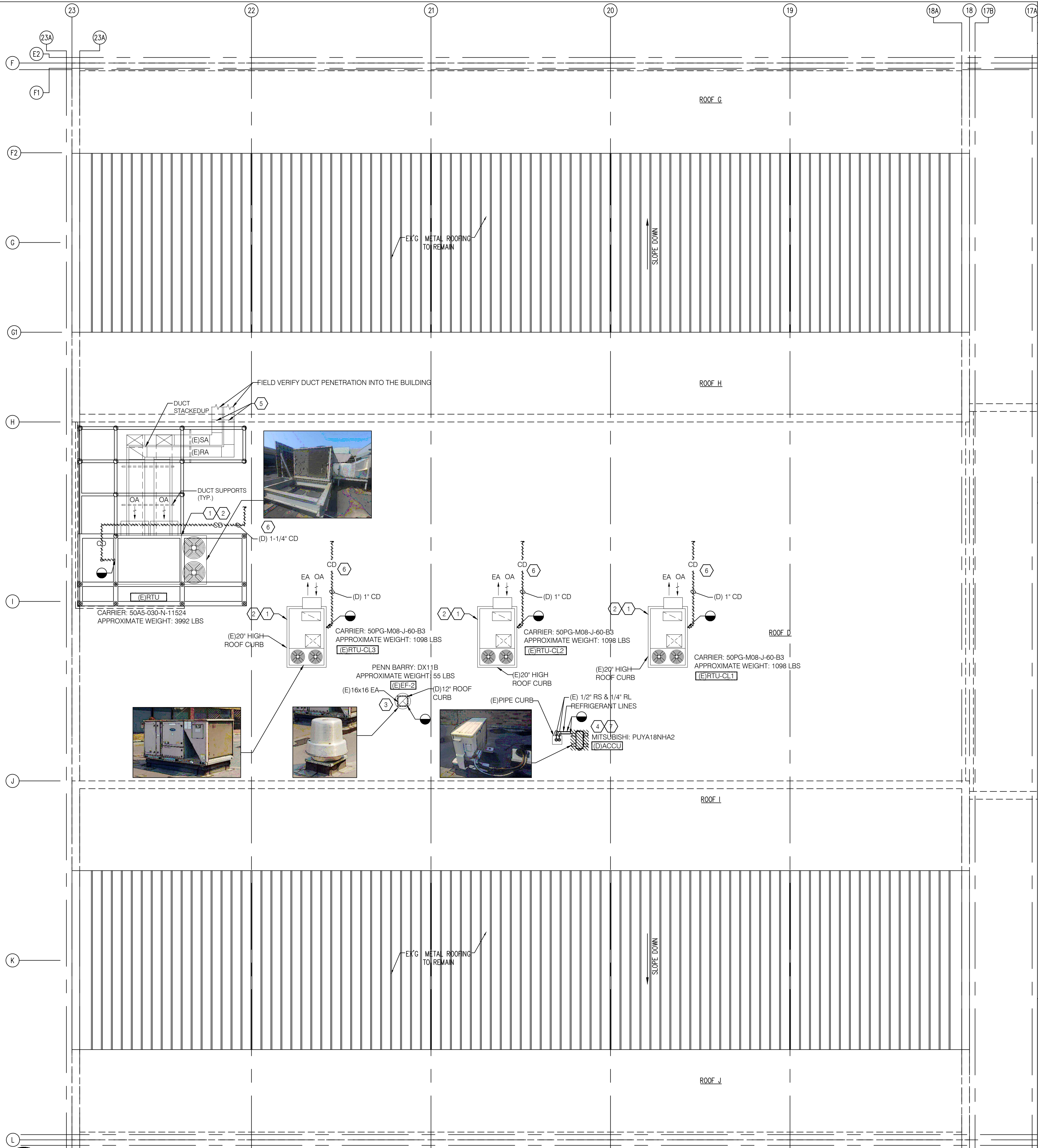
Title
ROOF DEMOLITION PLAN -
EAST - MECHANICAL



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

DOB Rev

MD-101.00



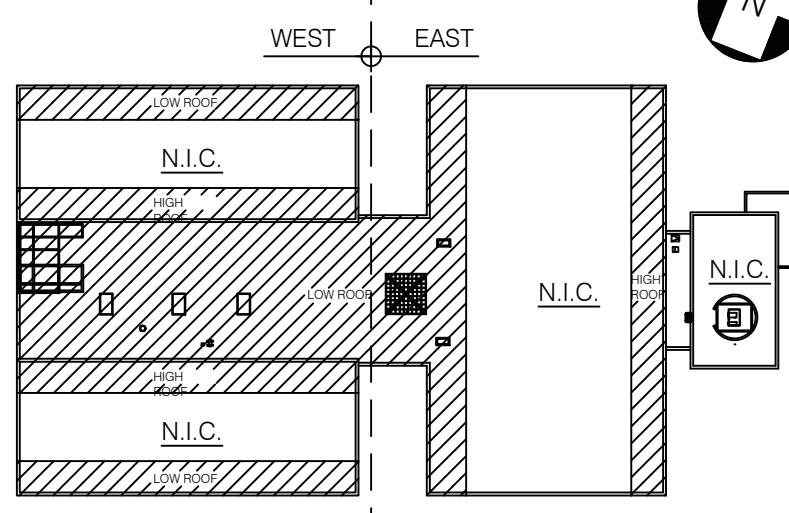
FLOOR PLAN NOTES

GENERAL NOTES:

SHEET KEY NOTES:

- EXISTING RTUS & THEIR ASSOCIATED APPURTENANCES SHALL BE SHUTDOWN THROUGHOUT THE ROOF REPLACEMENT PROJECT. CONTRACTOR TO PROTECT THE RTUS FROM ANY POTENTIAL DAMAGE OR DISTURBANCE. CONTRACTOR TO REPLACE AIR FILTERS (4) 20x25x2 FOR ALL RTUS AFTER CONSTRUCTION.
- SHUTDOWN, STARTUP, AND MAINTENANCE OF THE EXISTING RTUS MUST BE DONE BY CAMPUS FACILITY. NO SHUTDOWNS WILL BE PERMITTED WITHOUT APPROVAL BY THE CAMPUS REPRESENTATIVE.
- EXISTING EXHAUST FAN SERVING THE COMPUTER LABS TO BE REMOVED, SALVAGED, AND STORED FOR RE-INSTALLATION. DISCONNECT DUCTWORK, AND CONTRACTOR TO PROTECT THE OPENINGS UNTIL THE INSTALLATION OF NEW ROOF CURBS AND STORED EXHAUST FAN. TEMPORARY PROTECTION SHALL BE SEALED, WEATHER PROOF. COORDINATE WITH ELECTRICAL CONTROLS FOR DISCONNECTION. CONTRACTOR TO PERFORM TEST AND PROVIDE PRE-REMOVAL BALANCING (TAB) REPORT TO THE OWNER PRIOR TO REMOVAL OF EXHAUST FAN.
- DISCONNECT ALL EXISTING (1/2\"/>

KEY PLAN:



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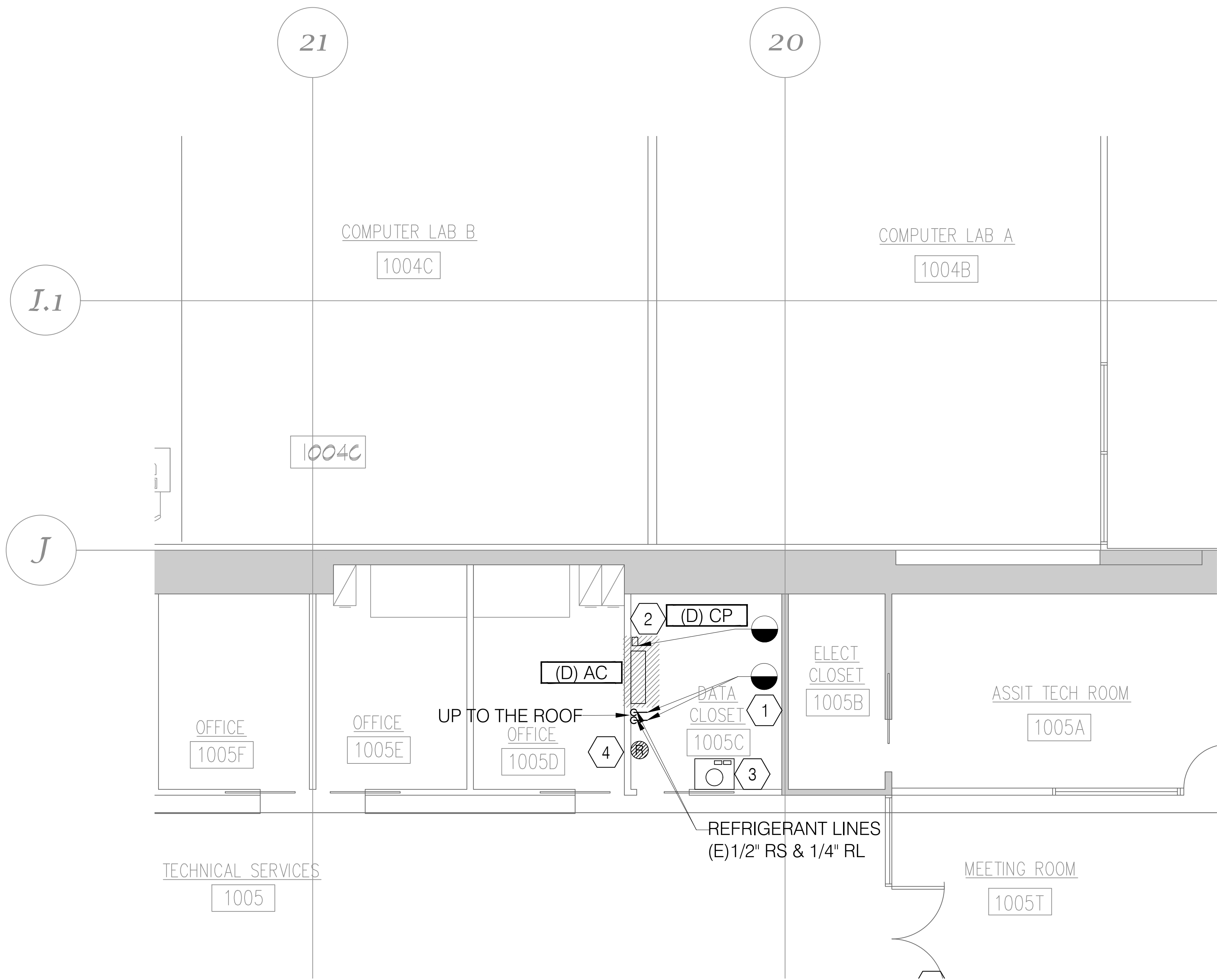
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Title
ROOF DEMOLITION PLAN -
WEST - MECHANICAL



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

DOB Rev
MD-102.00



1 FIRST FLOOR DEMOLITION PLAN - WEST - MECHANICAL
MD-103.00 SCALE: 1/4" = 1'-0"

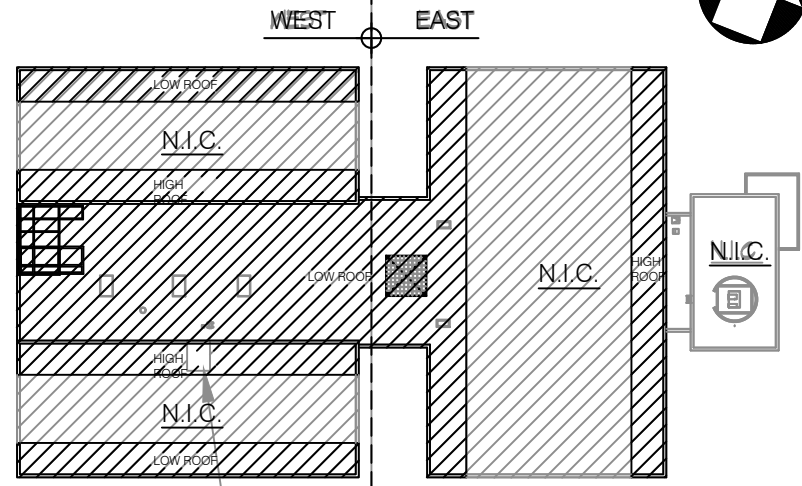
FLOOR PLAN NOTES

GENERAL NOTES:

SHEET KEY NOTES:

- EXISTING REFRIGERANT PIPES TO BE DISCONNECTED FROM WALL MOUNTED UNIT. PROTECT OPEN REFRIGERANT PIPING TO BE REUSED WITH A TEMPORARY CAP. THE SYSTEM IS CHARGED WITH R-410A REFRIGERANT. CONTRACTOR SHALL HAVE CERTIFIED TECHNICIAN TO RECOVER REFRIGERANT PER EPA REGULATIONS WITHOUT RELEASING IT TO THE ENVIRONMENT BEFORE UNIT REMOVAL.
- REMOVE WALL MOUNTED CONDENSATE PUMP AND DISCONNECT ASSOCIATED PIPING. PREPARE FOR RECONNECTION.
- PROVIDE TEMPORARY 1.5 TON (115V/1/60) PORTABLE AIR CONDITIONER DURING THE DURATION OF THE REPLACEMENT OF THE INDOOR AND OUTDOOR UNIT. CONTRACTOR TO ENSURE EMPTYING THE CONDENSATE TANK WHEN IT IS REQUIRED, AND REPLACE TO RESUME OPERATION. TEMPORARY UNIT ALARM IS DISPLAYED WHEN TANK IS FULL.
- REMOVE EXISTING REMOTE CONTROLLER MOUNT.

KEY PLAN:



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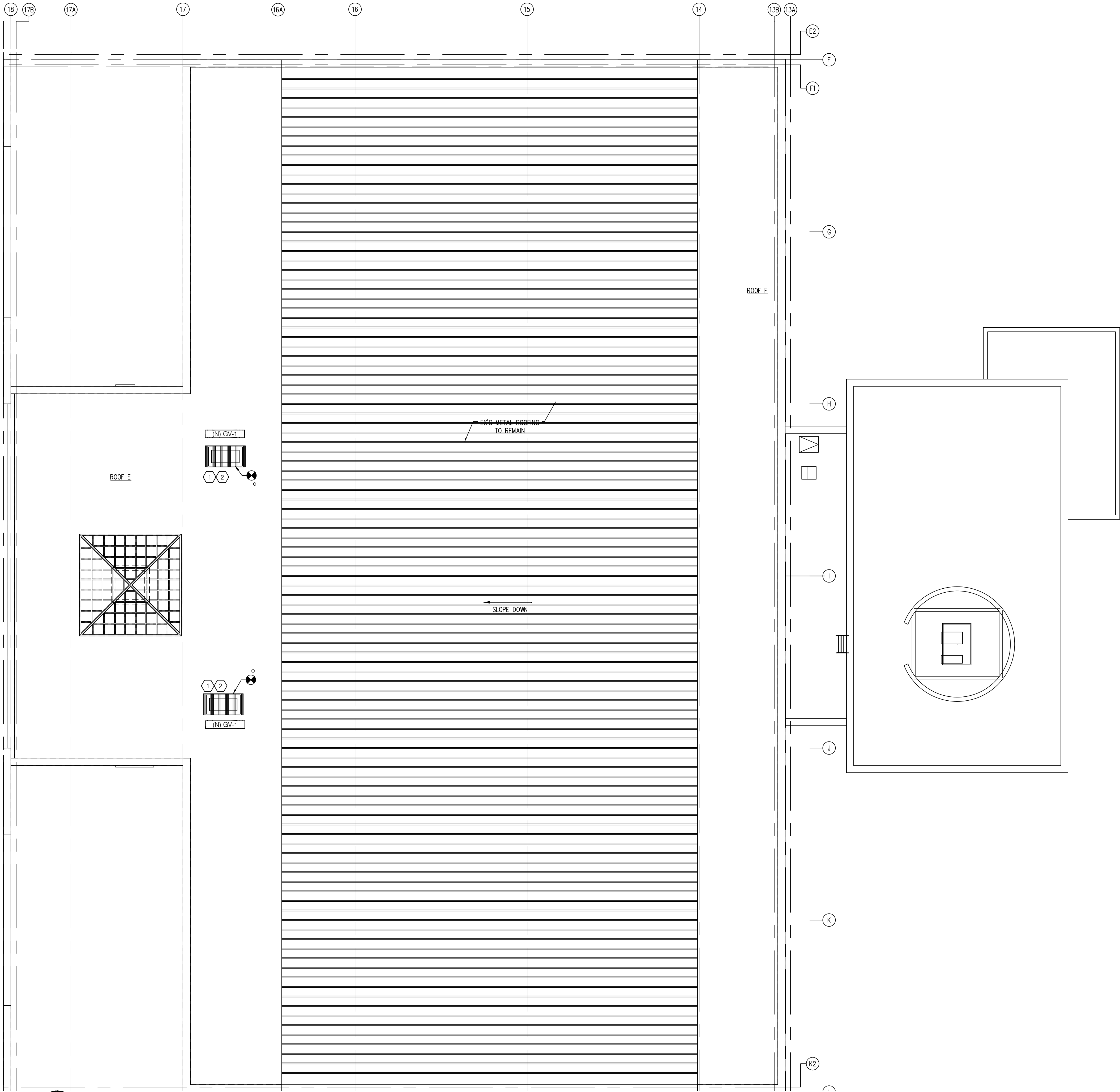
Title
FIRST FLOOR DEMOLITION
PLAN - WEST- MECHANICAL



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

DOB Rev

MD-103.00



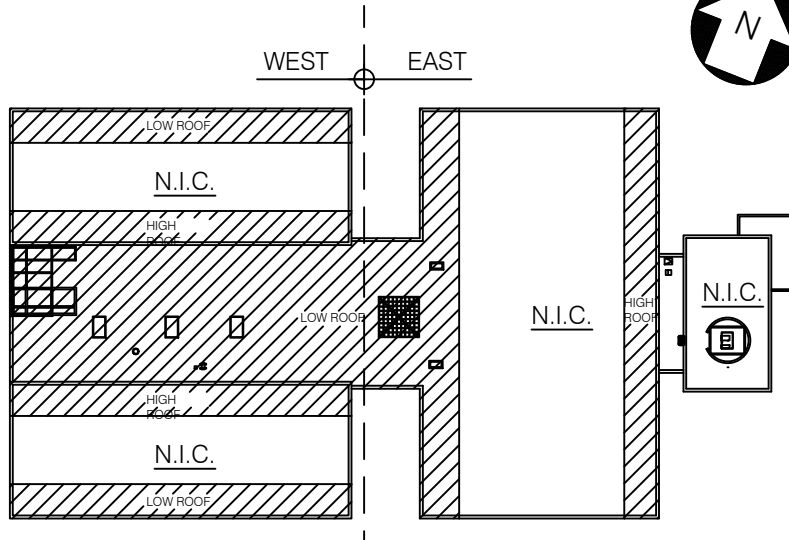
FLOOR PLAN NOTES

GENERAL NOTES:

SHEET KEY NOTES:

1. PROVIDE NEW HOODED GRAVITY RELIEF AIR VENT ON RECONSTRUCTED ROOF CURB. REFER TO ARCHITECTURAL DRAWINGS 18/A-502.00. FOLLOW MANUFACTURER'S RECOMMENDATIONS.
2. EXISTING DUCTWORK TO REMAIN AND NO NEED FOR EXTENSION TO MATCH RECONSTRUCTED ROOF CURB.

KEY PLAN:



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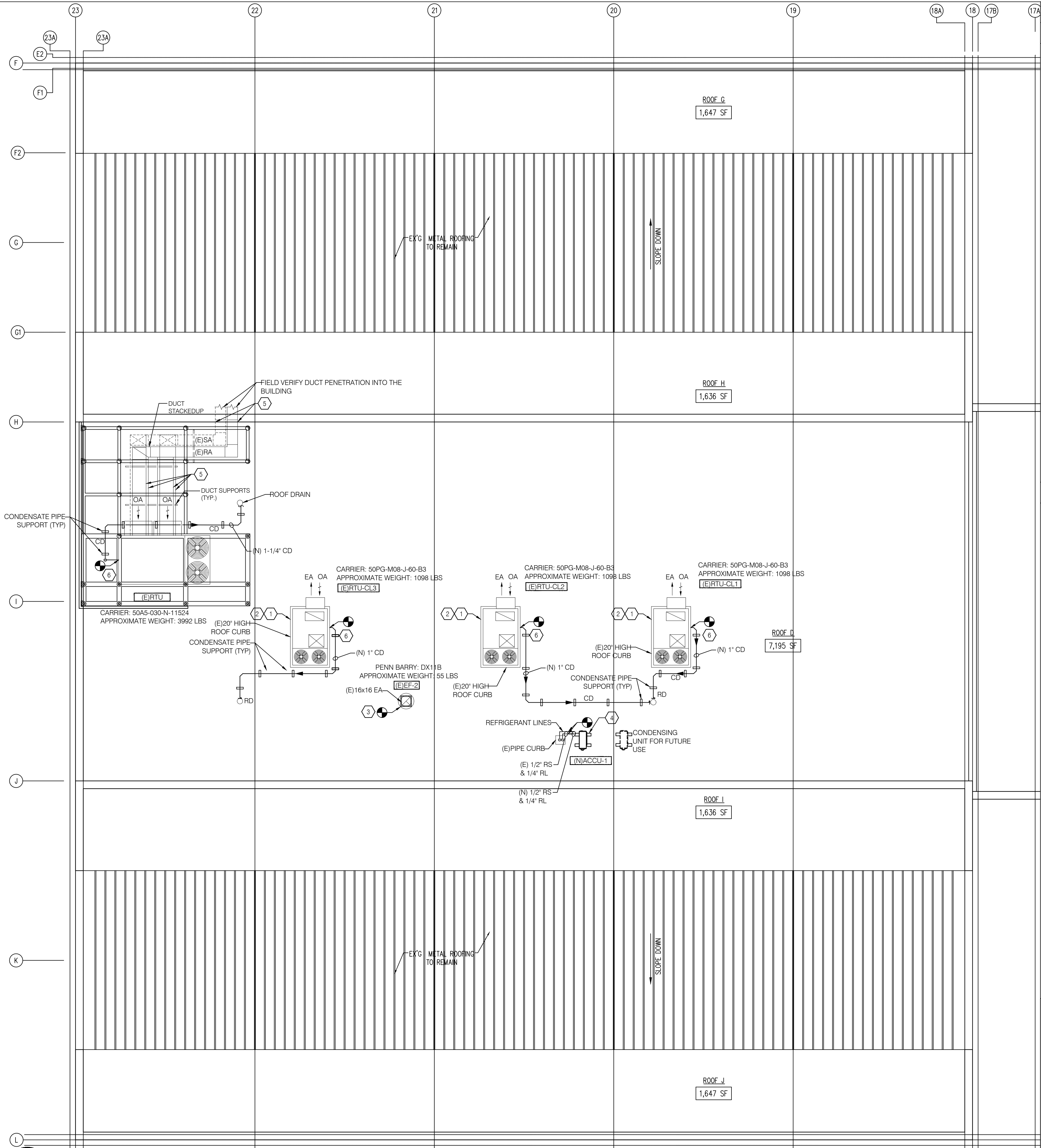
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Title
ROOF PLAN - EAST -
MECHANICAL



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

M-101.00



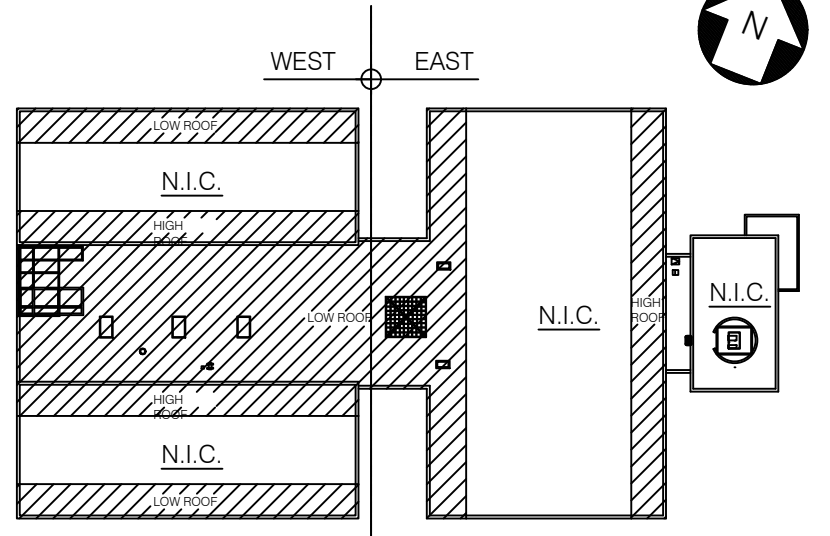
FLOOR PLAN NOTES

GENERAL NOTES:

SHEET KEY NOTES:

- EXISTING RTUS & THEIR ASSOCIATED APPURTENANCES SHALL BE SHUTDOWN THROUGHOUT THE ROOF REPLACEMENT PROJECT. CONTRACTOR TO PROTECT THE RTUS FROM ANY POTENTIAL DAMAGE OR DISTURBANCE. CONTRACTOR TO REPLACE AIR FILTERS (4) 20x25x2 FOR ALL RTUS AFTER CONSTRUCTION.
- REFER ARCHITECTURAL DRAWINGS FOR FLASHING DETAILS AROUND EXISTING ROOF CURB.
- RE-INSTALL EXISTING EXHAUST FAN ON REBUILT ROOF CURB (REFER TO ARCHITECTURAL DRAWINGS). PROVIDE FLASHING/COUNTER FLASHING. COORDINATE WITH ROOFER AND SEE ARCHITECTURAL DETAILS. TOP OF THE CURB PERFECTLY FLAT AND LEVELED AND EXTEND DUCTWORK AS REQUIRED. CONTRACTOR TO CONNECT AND VERIFY THE FAN AIRFLOW AS RECORDED PRIOR TO REMOVAL.
- PROVIDE NEW CONDENSING UNIT ON STURDY, LEVELED, REBUILT CURB FOLLOWING MANUFACTURER'S RECOMMENDATIONS. REFER TO ARCHITECTURAL DRAWINGS (21/A-503.00). EXTEND REUSED REFRIGERANT PIPES FROM EXISTING PIPING TO THE UNIT. ALL PIPING (SUCTION 1/2" AND LIQUID 1/4") SHALL BE COPPER ACR WITH BRAZED CONNECTION AND PROVIDE 1" THICK FLEXIBLE ELASTOMERIC INSULATION. THE UNIT IS PRECHARGED WITH 4 LBS OF REFRIGERANT R-410A. CONTRACTOR SHALL RUN TEST THE SYSTEM FOLLOWING THE INSTALLATION'S MANUAL PROCEDURES AND ASSESS IF MORE REFRIGERANT IS REQUIRED. THE ESTIMATED LINESET LENGTH BETWEEN INDOOR AND OUTDOOR UNIT IS 25 FEET.
- PROVIDE NEW INSULATION FOR EXPOSED DUCTWORK WITH THE SAME MATERIALS AND R VALUES. REFER TO SPECS 23 07 13
- PROVIDE NEW CONDENSATE DRAIN PIPE, P-TRAP, AND SUPPORTS FOR RTUS AFTER RE-ROOFING WORK IS COMPLETED. ROUTE CONDENSATE DRAIN PIPE WITH A MINIMUM OF 1/8" PER FOOT SLOPE AND DISCHARGE IT TO THE CORRESPONDENT ROOF DRAIN. PIPE SHALL BE PVC SCHEDULE 80, TYPE DWV, ASTM D2665 AND PVC FITTINGS, REFER DWG. #6/M601 FOR CONDENSATE PIPING SUPPORT.

KEY PLAN:



Block #

Lot #

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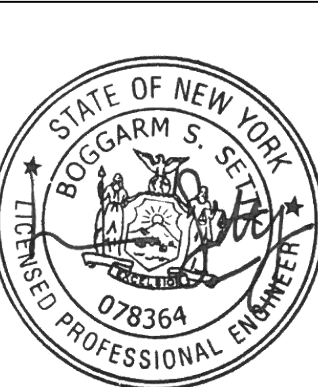
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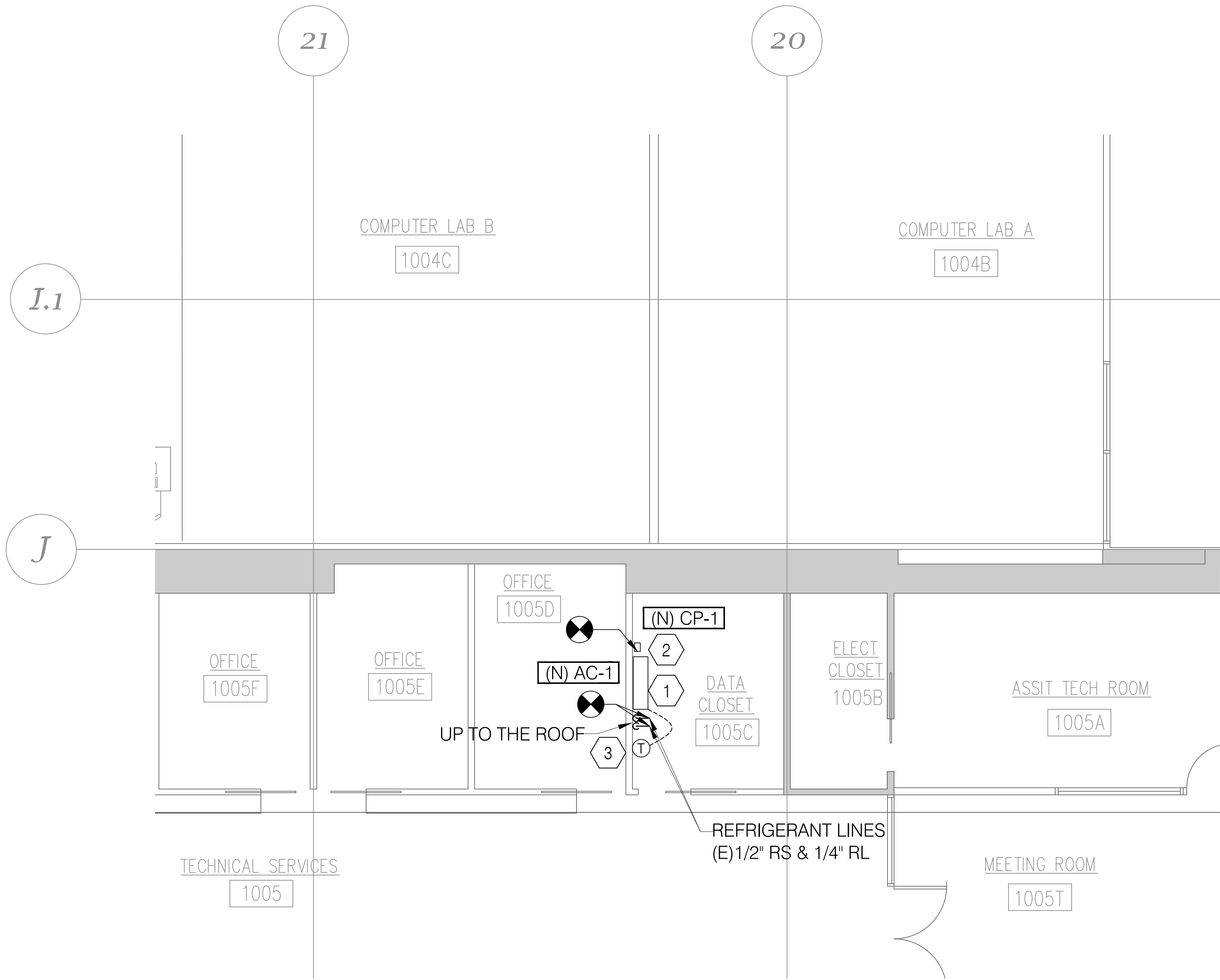
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Title
ROOF PLAN - WEST -
MECHANICAL



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

M-102.00



1 FIRST FLOOR PLAN - WEST - MECHANICAL
M-103.00 SCALE: 1/4" = 1'-0"

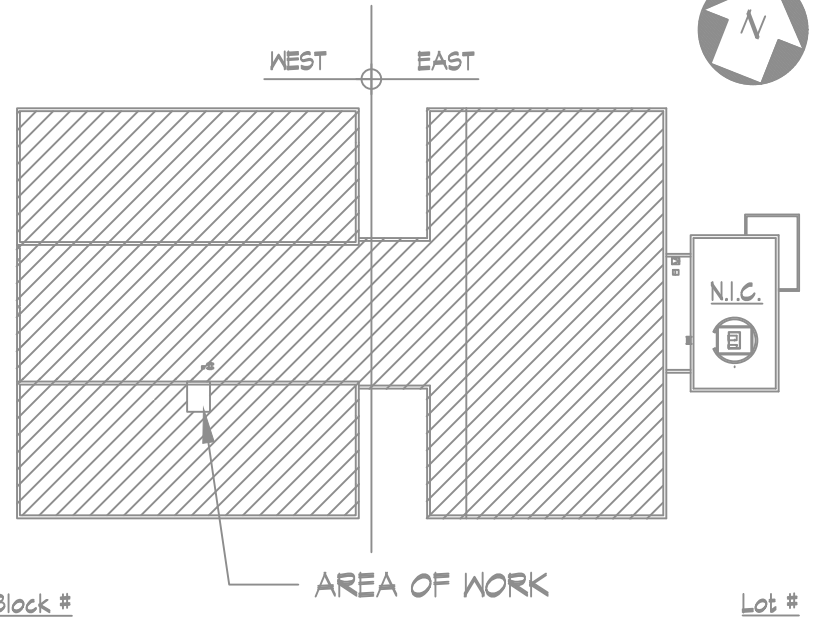
FLOOR PLAN NOTES

GENERAL NOTES:

SHEET KEY NOTES:

1. PROVIDE NEW WALL MOUNTED UNIT. EXTEND REFRIGERANT PIPES FROM EXISTING PIPING TO THE UNIT. ALL PIPING SHALL BE COPPER ACR WITH BRAZED CONNECTION AND PROVIDE 1" THICK FLEXIBLE ELASTOMERIC INSULATION. PRESSURE TEST WITH INERT GAS PRIOR TO FILLING REFRIGERANT. VISUALLY INSPECT ALL NEW CONNECTIONS WITH APPROVED LIQUID FOR BUBBLE LEAKS. REPAIR IF ANY LEAKS. THEN RETEST. UNIT IS PRECHARGED WITH 4 LBS OF REFRIGERANT R-410A. CONTRACTOR SHALL RUN TEST THE SYSTEM FOLLOWING THE INSTALLATION'S MANUAL PROCEDURES AND ASSESS IF MORE REFRIGERANT IS REQUIRED. THE ESTIMATED LINESET LENGTH BETWEEN INDOOR AND OUTDOOR UNIT IS 25 FEET.
2. PROVIDE NEW CONDENSATE PUMP AND RECONNECT ALL ASSOCIATED PIPING AND ELECTRICAL WIRING. THE MOUNTING SURFACE MUST SUPPORT THE WEIGHT OF THE UNIT WITH WATER FILLED TANK. ENSURE THE RECONNECTED CONDENSATE PIPING DOESNT HAVE ANY RESTRICTIONS TO AVOID DISCHARGE ISSUES. REFER TO NOTE ONE UNDER SPLIT INDOOR UNIT SCHEDULE.
3. PROVIDE NEW WALL MOUNTED THERMOSTAT SERVING THE DATA CLOSET. MOUNT THERMOSTAT AT LEAST AT A HEIGHT OF 4'-0" A.F.F. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

KEY PLAN:



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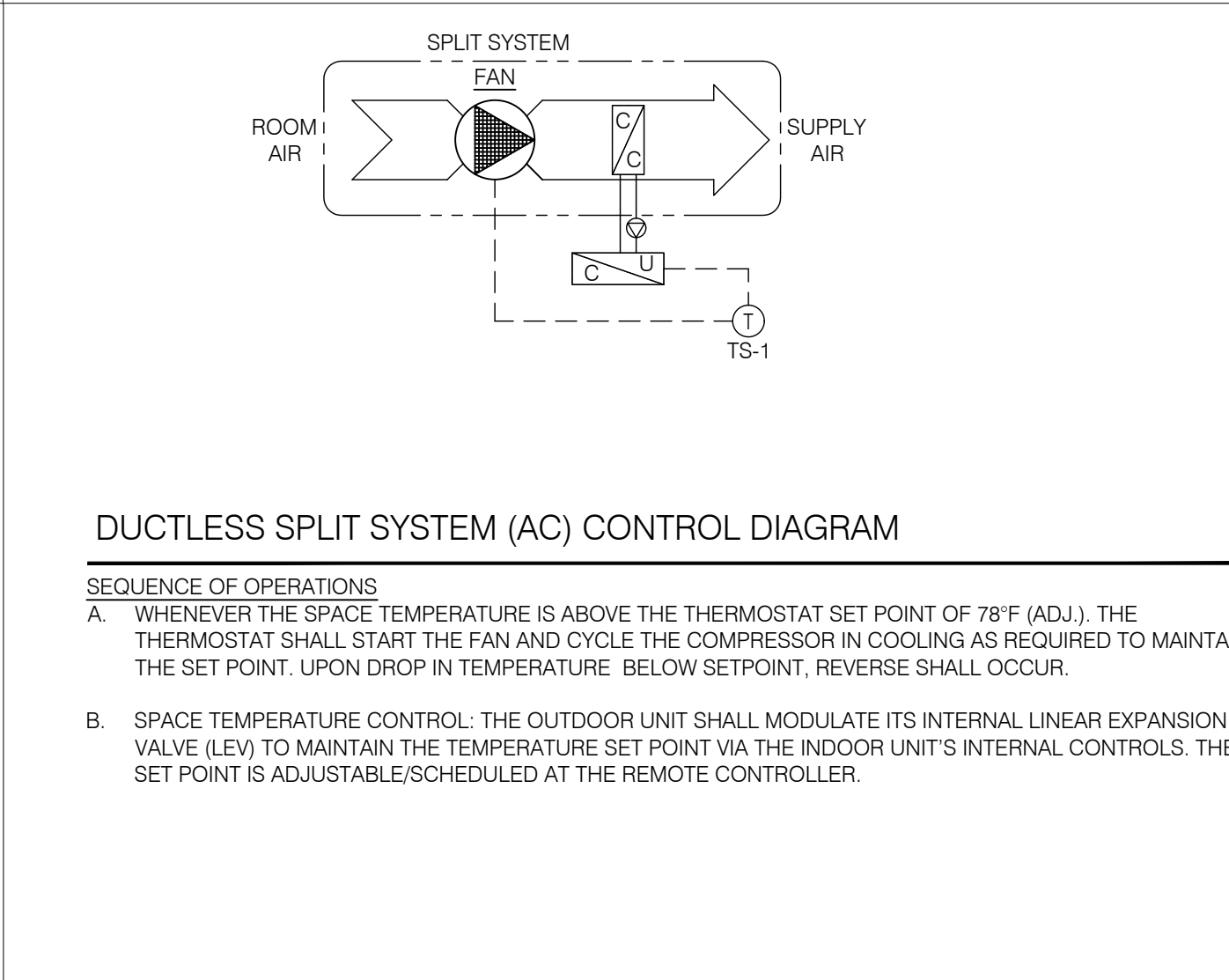
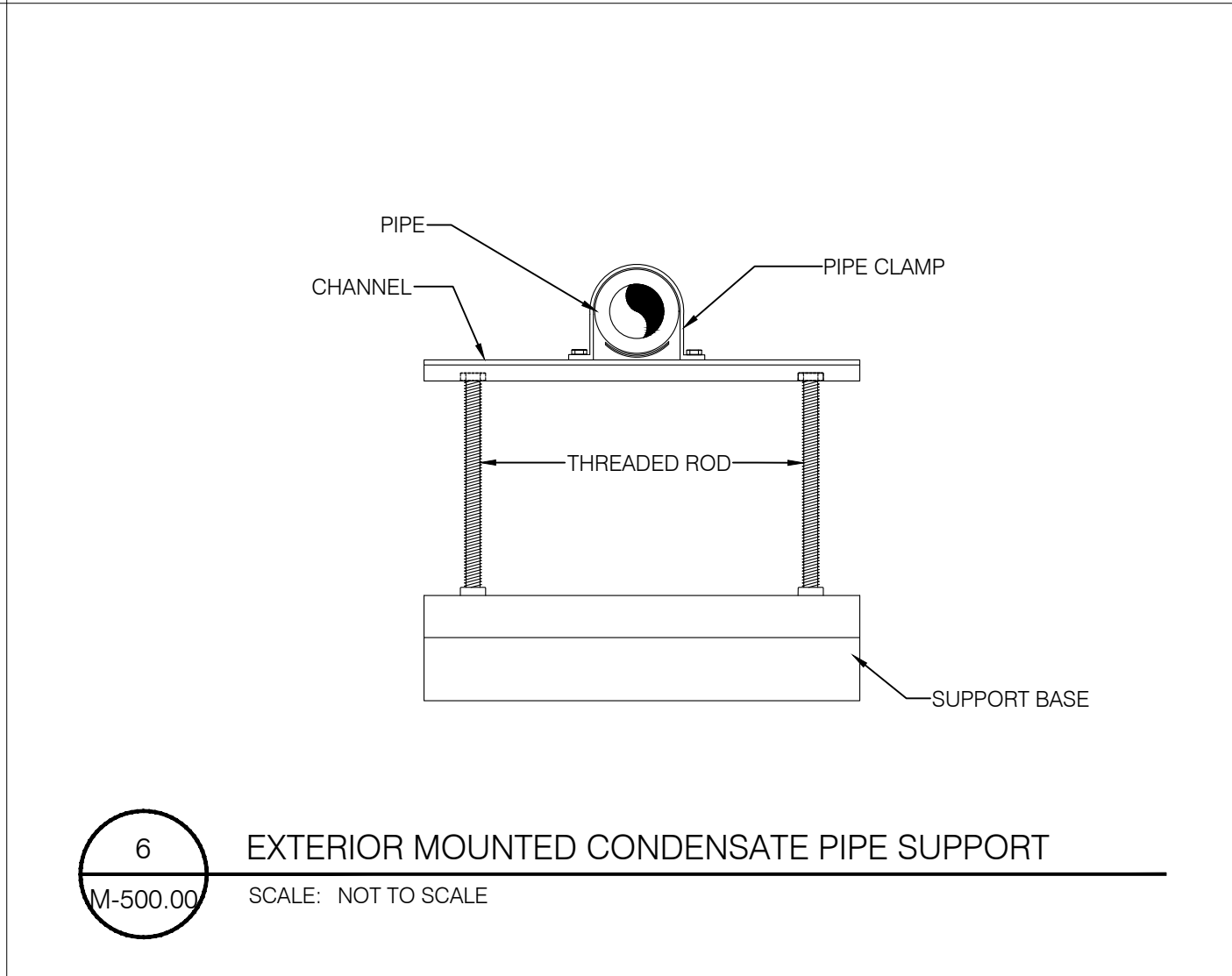
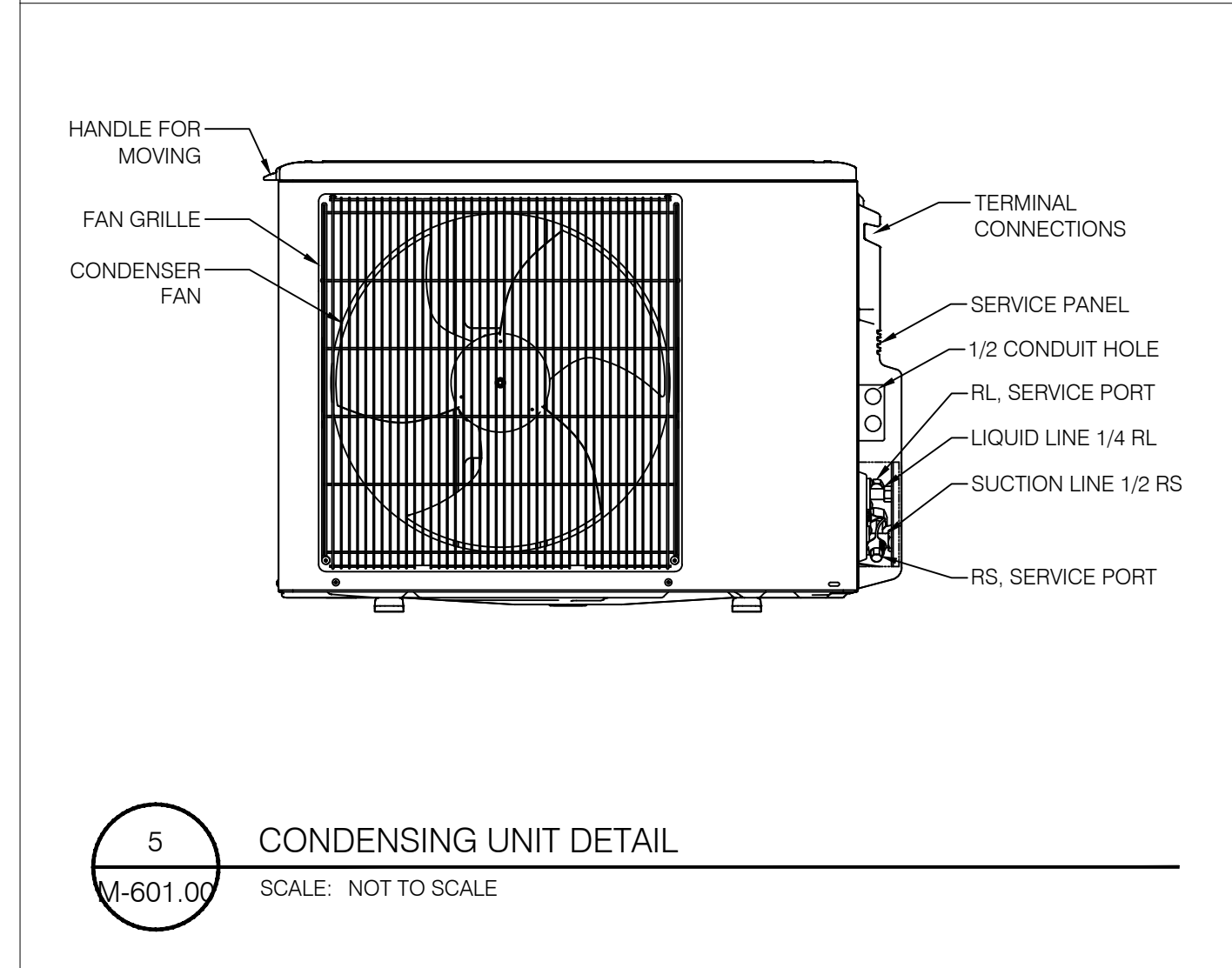
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FIRST FLOOR PLAN - WEST
MECHANICAL



Date 09-02-2024
Project No. 4256
Drawing By SNS
CHK By BS
Scale AS NOTED

M-103.00

HOODED GRAVITY RELIEF VENT SCHEDULE												
UNIT MARK	LOCATION	TYPE	AIR FLOW (CFM)	STATIC PRESSURE (IN WC)	THROAT AREA (SQ.FT)	THROAT VELOCITY (FPM)	THROAT DIMENSION (IN)			BASIS OF DESIGN		NOTES
							LENGTH	WIDTH	HEIGHT	MANUFACTURER	MODEL	
GV-1	ROOF - EAST	RELIEF	2700	0.042	12.5	420	60	30	5	GREENHECK	FGR	SEE NOTE
NOTES: 1. UNIT SHALL BE INSTALLED AS PER MANUFACTURER RECOMMENDATION. 2. PROVIDE THE FOLLOWING: - NEW EXTENDED ROOF CURB. REFER TO ARCHITECTURAL DRAWINGS 18/A-502.00 - GALVANIZED BIRD SCREEN AT HOOD PANEL OPENING												



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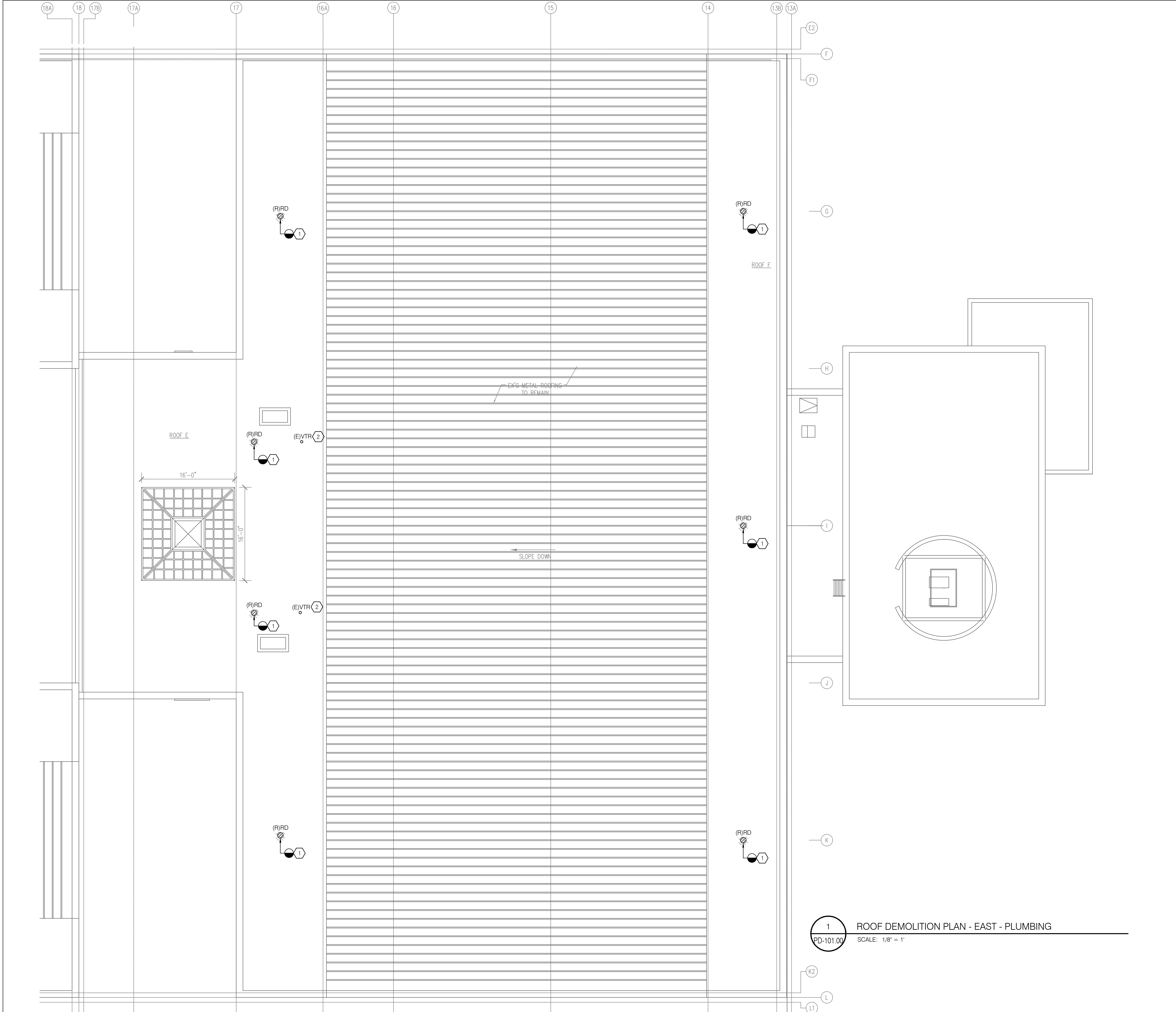
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Date	09-02-2024
Project No.	4256
Drawing By	
CHK By	
Scale	AS NOTED

P-001.00

GENERAL PLUMBING REMOVAL NOTES		(E)	EXISTING
		(R)	REMOVE
1.	WHERE EXISTING PLUMBING FIXTURES ARE INDICATED TO BE REMOVED, REMOVE EXISTING FIXTURE, TRIM, AND ALL ASSOCIATED PIPING AND HARDWARE. REMOVE SERVICE BRANCHES BACK TO NEAREST MAIN AND CAP. DEAD LEGS SHALL NOT EXCEED 2'-0" IN LENGTH.	ERD	EMERGENCY ROOF DRAIN
		RD	ROOF DRAIN
2.	PERFORM REMOVALS IN SUCH A MANNER THAT WILL NOT DAMAGE ADJOINING SURFACES OR EQUIPMENT INDICATED TO REMAIN. WHERE SURFACES MUST BE REMOVED TO COMPLETE REMOVAL, REPLACE AND REPAIR THE SURFACES BACK TO THE ORIGINAL CONDITION.	ST	STORM WATER
		SF / SQ FT	SQUARE FEET
		TYP	TYPICAL
3.	WHERE REMOVAL WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING, NOTIFY THE SUCF PRIOR TO PROCEEDING WITH REMOVAL.	VTR	VENT THRU ROOF

SHEET	DRAWING	TITLE
1	P-001.00	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2	PD-101.00	ROOF DEMOLITION PLAN - EAST - PLUMBING
3	PD-102.00	ROOF DEMOLITION PLAN - WEST - PLUMBING
4	P-101.00	ROOF PLAN - EAST - PLUMBING
5	P-102.00	ROOF PLAN - WEST - PLUMBING
6	P-701.00	PLUMBING SCHEDULES AND DETAILS



1 ROOF DEMOLITION PLAN - EAST - PLUMBING
PD-101.00 SCALE: 1/8" = 1'

FLOOR PLAN NOTES

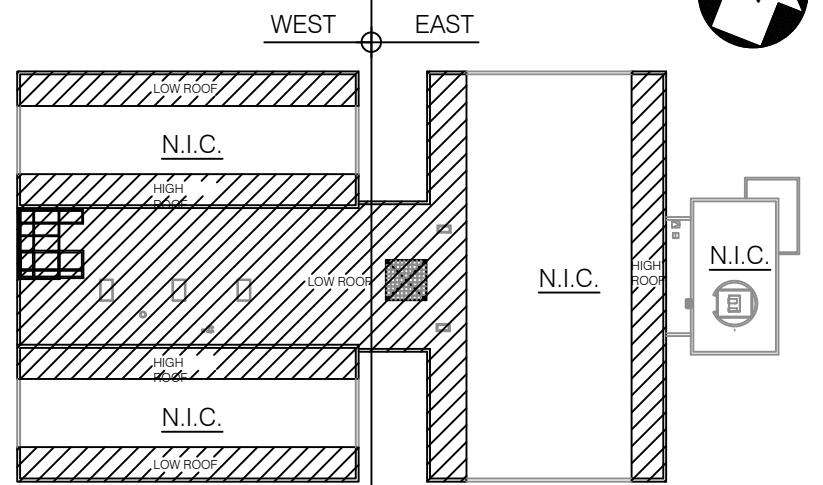
GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND COORDINATE THE EXACT LOCATIONS OF THE PLUMBING ELEMENTS ON THE ROOF.
- CONTRACTOR IS RESPONSIBLE TO PROTECT THE EXISTING ITEMS TO REMAIN AND RESTORE THE UTILITIES BACK TO ITS ORIGINAL FUNCTIONING.
- REPAIR ANY DAMAGE TO THE EXISTING ELEMENTS OR ANY ITEMS NOT IN SCOPE OF WORK TO ITS "ORIGINAL" CONDITION WITHOUT ANY ADDITIONAL COST TO THE OWNER.

SHEET KEY NOTES:

- REMOVE EXISTING DOME STRAINER, CLAMPING RING, AND EXTENSION COLLAR. EXISTING DRAIN SUMP TO REMAIN. CONTRACTOR MUST ENSURE THE SUMPS ARE SEALED AT THE TIME OF VAPOR BARRIER INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS DM101 & DM102 FOR ADDITIONAL INFORMATION AND DETAILS. FIELD VERIFY THE EXACT LOCATION.
- EXISTING VENTS TO REMAIN. FIELD VERIFY THE EXACT LOCATION.

KEY PLAN:



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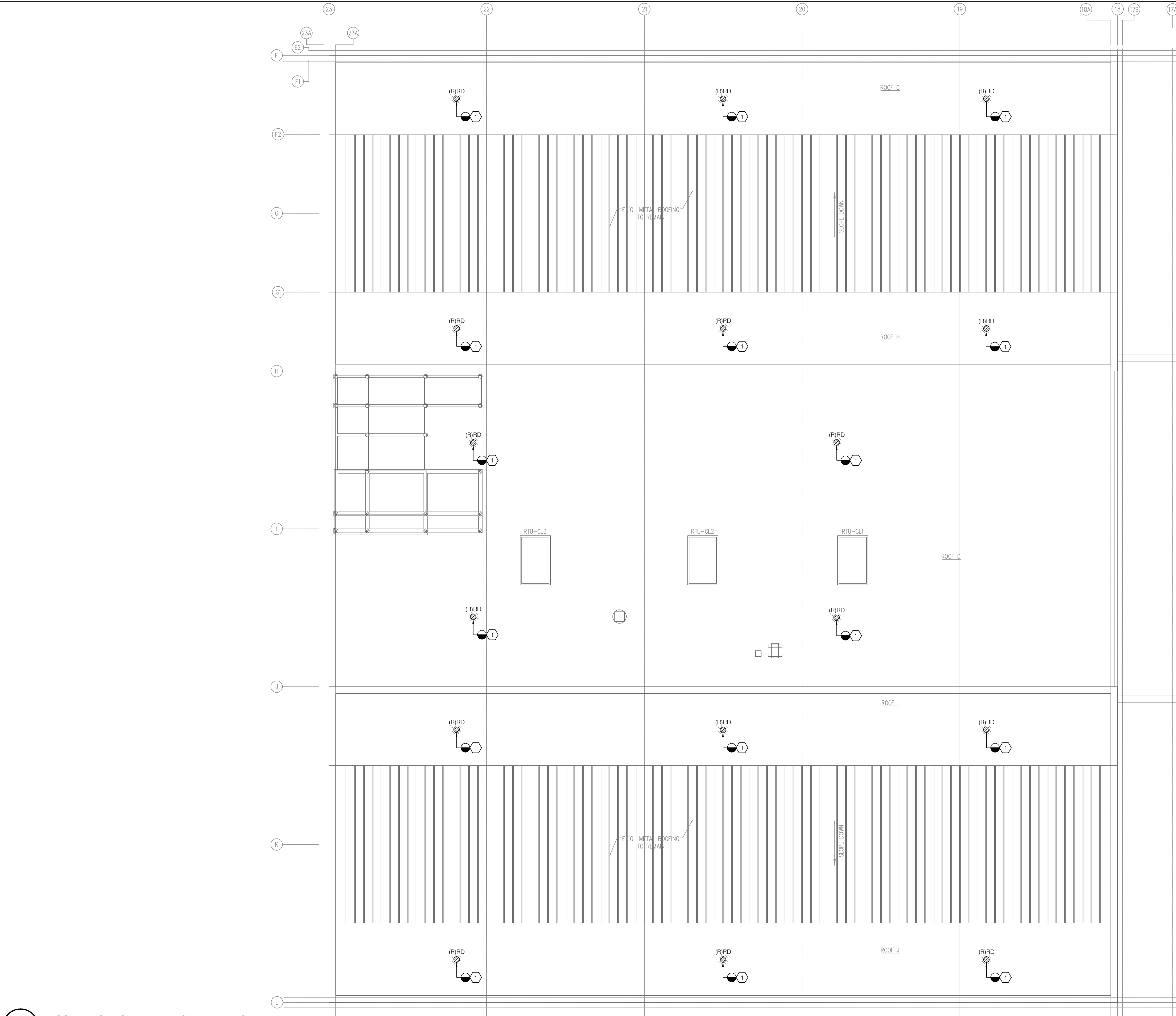
No.	Date	Revision
0	28 JULY 2023	ISSUE FOR 50% DD
1	22 DEC 2023	DRAFT SUBMISSION
2	16 FEB 2024	ISSUE FOR PRE - BID
3	07 MAY 2024	100% ISSUE FOR BID

Title
ROOF DEMOLITION PLAN -
EAST - PLUMBING



Date 09-02-2024
Project No. 4256
Drawing By
CHK By
Scale AS NOTED

DOB Rev
PD-101.00



FLOOR PLAN NOTES

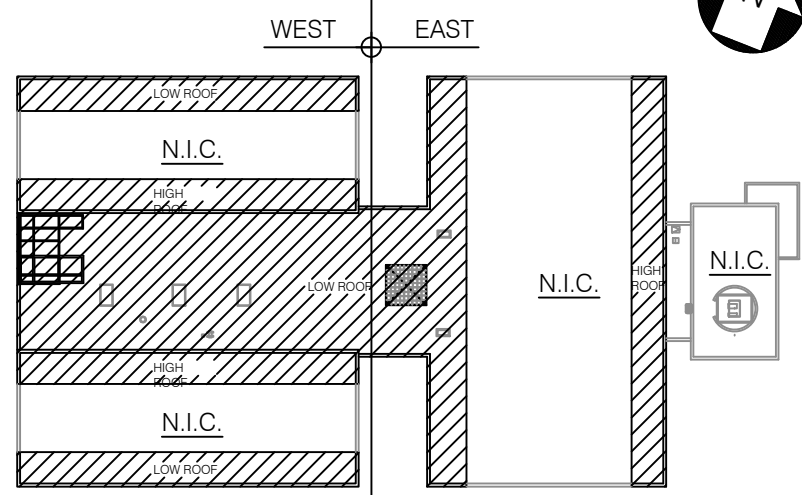
GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND COORDINATE THE EXACT LOCATIONS OF THE PLUMBING ELEMENTS ON THE ROOF.
2. CONTRACTOR IS RESPONSIBLE TO PROTECT THE EXISTING ITEMS TO REMAIN AND RESTORE THE UTILITIES BACK TO ITS ORIGINAL FUNCTIONING.
3. REPAIR ANY DAMAGE TO THE EXISTING ELEMENTS OR ANY ITEMS NOT IN SCOPE OF WORK TO ITS "ORIGINAL" CONDITION WITHOUT ANY ADDITIONAL COST TO THE OWNER.

SHEET KEY NOTES:

1. REMOVE EXISTING DOME STRAINER, CLAMPING RING, AND EXTENSION COLLAR, EXISTING DRAIN SUMP TO REMAIN. CONTRACTOR MUST ENSURE THE SUMPS ARE SEALED AT THE TIME OF VAPOR BARRIER INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS DM101 & DM102 FOR ADDITIONAL INFORMATION AND DETAILS. FIELD VERIFY THE EXACT LOCATION.

KEY PLAN:



Block #

Lot #

ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

LIBRARY BUILDING

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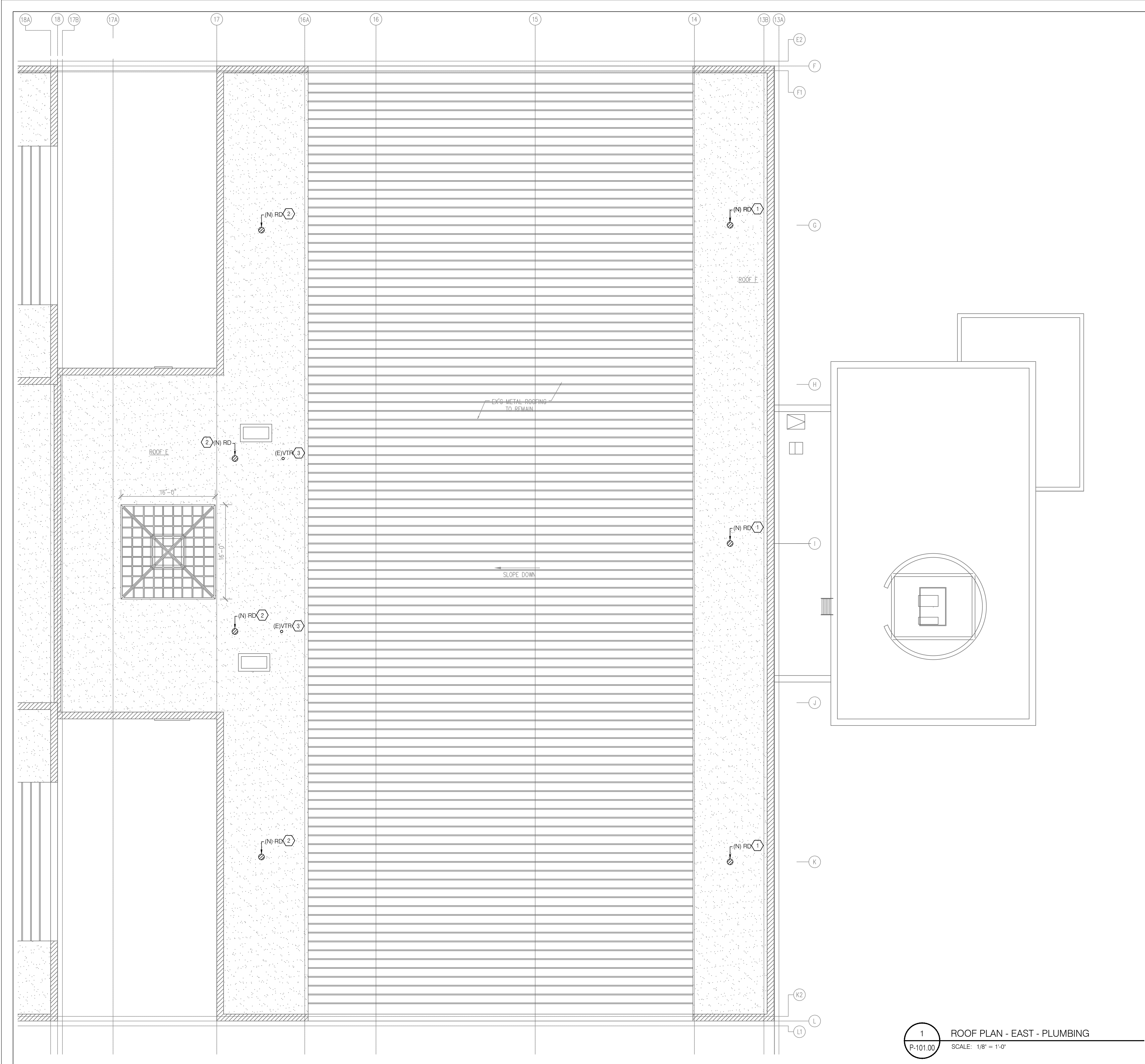
Title
ROOF DEMOLITION PLAN -
WEST - PLUMBING



Date 09-02-2024
Project No. 4256
Drawing By
CHK By
Scale AS NOTED

DOB Rev

PD-102.00



1 ROOF PLAN - EAST - PLUMBING
P-101.00 SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

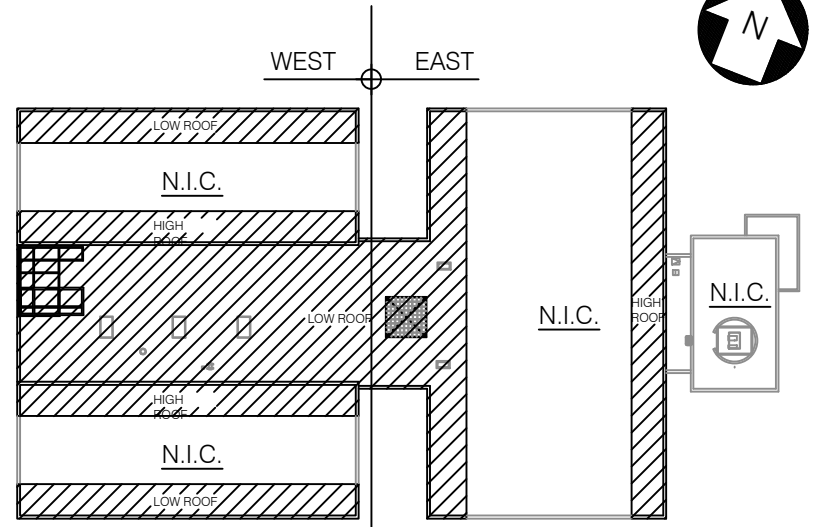
GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND COORDINATE THE EXACT LOCATIONS OF THE PLUMBING ELEMENTS ON THE ROOF.
2. CONTRACTOR IS RESPONSIBLE TO PROTECT THE EXISTING ITEMS TO REMAIN AND RESTORE THE UTILITIES BACK TO THEIR ORIGINAL FUNCTIONING.
3. ANY DAMAGES TO THE EXISTING ELEMENTS OR ANY ITEMS NOT IN SCOPE OF WORK SHALL BE REPAIRED AND BROUGHT TO EXISTING CONDITION WITHOUT ANY ADDITIONAL COST TO THE OWNER.
4. REFER DETAILS ON SHEET P-701.00 FOR INSTALLATION.
5. CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH OTHER TRADES BEFORE INSTALLATION.

SHEET KEY NOTES:

1. PROVIDE NEW DOME STRAINER, CLAMPING RING, AND EXTENSION COLLAR AND CONNECT TO THE EXISTING ROOF DRAIN BODY. FOR MORE INFORMATION REFER TO ARCHITECTURAL DETAILS "FLASHING AT DRAIN AT HIGH ROOF" ON ARCHITECTURAL DRAWINGS.
2. PROVIDE RETROFIT DRAIN (RD) AT THE HEIGHT OF THE NEW ROOF. PROVIDE RETROFIT DRAIN COMPATIBLE WITH NEW ROOFING MEMBRANE AND COVERED UNDER ROOFING MANUFACTURER'S WARRANTY. PROVIDE EXTENSION COLLAR AS REQUIRED TO REACH HEIGHT OF NEW ROOF AND SECURE RETROFIT DRAIN TO ROOF PER MANUFACTURERS RECOMMENDATIONS. FOR MORE INFORMATION REFER TO ARCHITECTURAL DETAILS "FLASHING AT DRAIN AT LOW ROOF" ON ARCHITECTURAL DRAWINGS.
3. EXISTING VENT TO BE EXTENDED MINIMUM 18" ABOVE FINISHED ROOF. EXTENDED VENT PIPE SIZE TO MATCH WITH THE EXISTING 4" VENT PIPE SIZE. SEE "PLUMBING VENT THROUGH FLAT ROOF DETAIL" ON SHEET P-701.00 FOR MORE DETAILS.

KEY PLAN:



Block #

Lot #

ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

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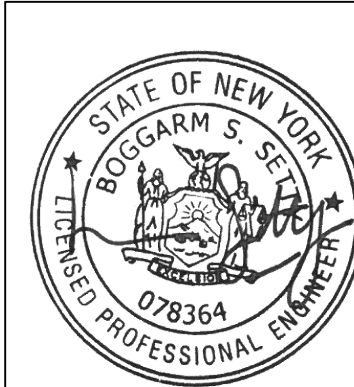
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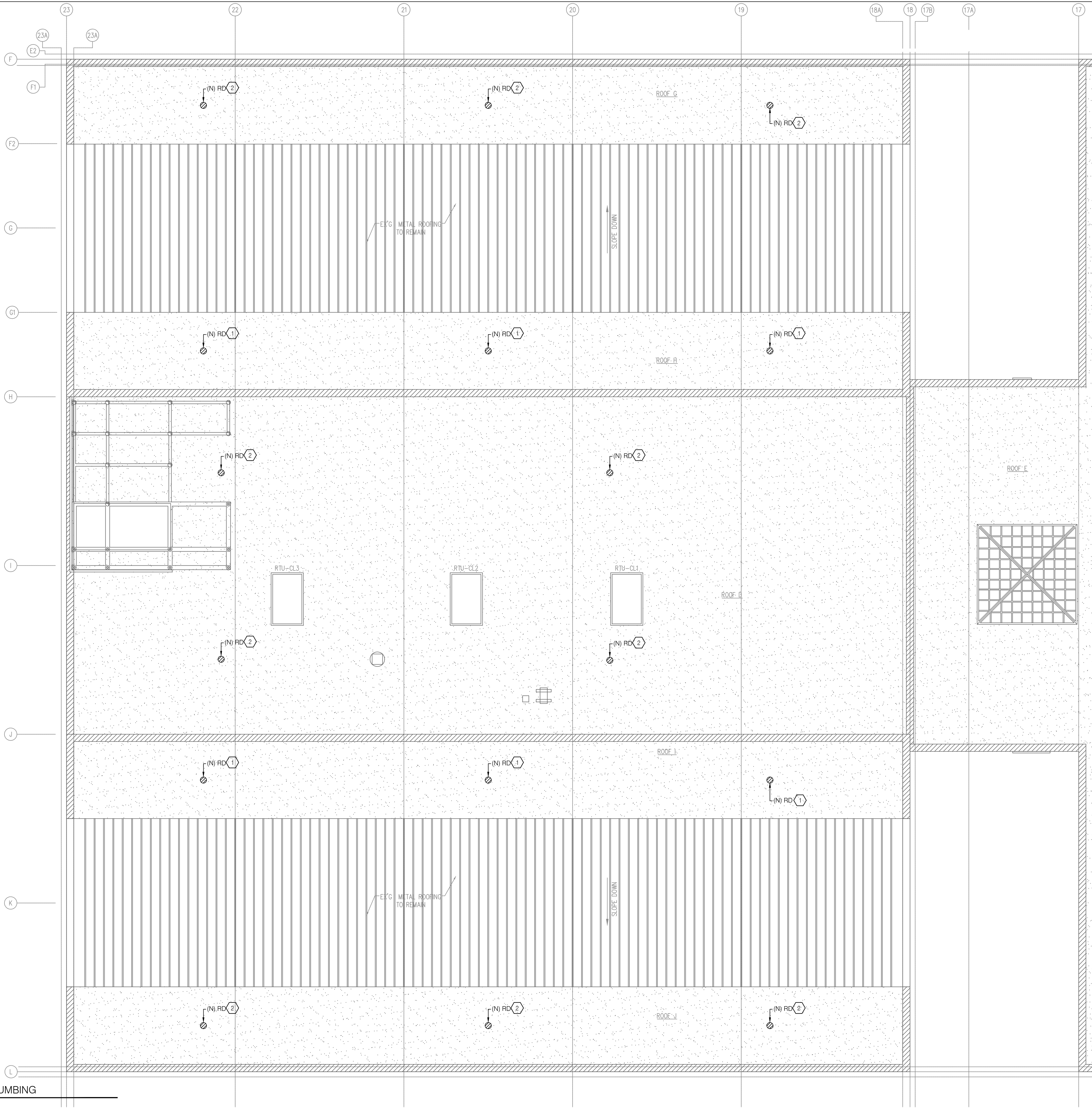
Title
ROOF PLAN - EAST -
PLUMBING



Date 09-02-2024
Project No. 4256
Drawing By
CHK By
Scale AS NOTED

DOB Rev

P-101.00



FLOOR PLAN NOTES

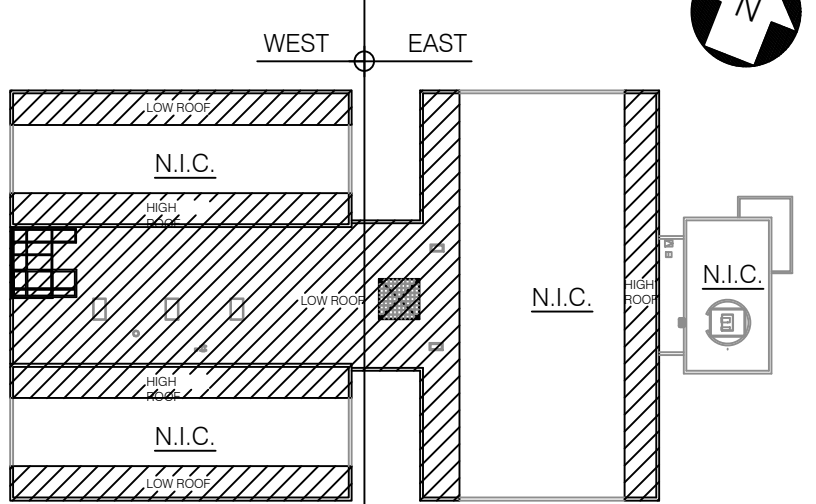
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2. PROVIDE RETROFIT DRAIN (RD) AT THE HEIGHT OF THE NEW ROOF. PROVIDE RETROFIT DRAIN COMPATIBLE WITH NEW ROOFING MANUFACTURER'S WARRANTY. PROVIDE EXTENSION COLLAR AS REQUIRED TO REACH HEIGHT OF NEW ROOF AND SECURE RETROFIT DRAIN TO ROOF PER MANUFACTURERS RECOMMENDATIONS. FOR MORE INFORMATION REFER TO ARCHITECTURAL DETAILS "FLASHING AT DRAIN AT LOW ROOF" ON ARCHITECTURAL DRAWINGS.

KEY PLAN:



Block #

Lot #

ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

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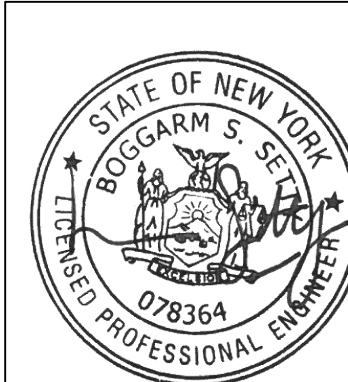
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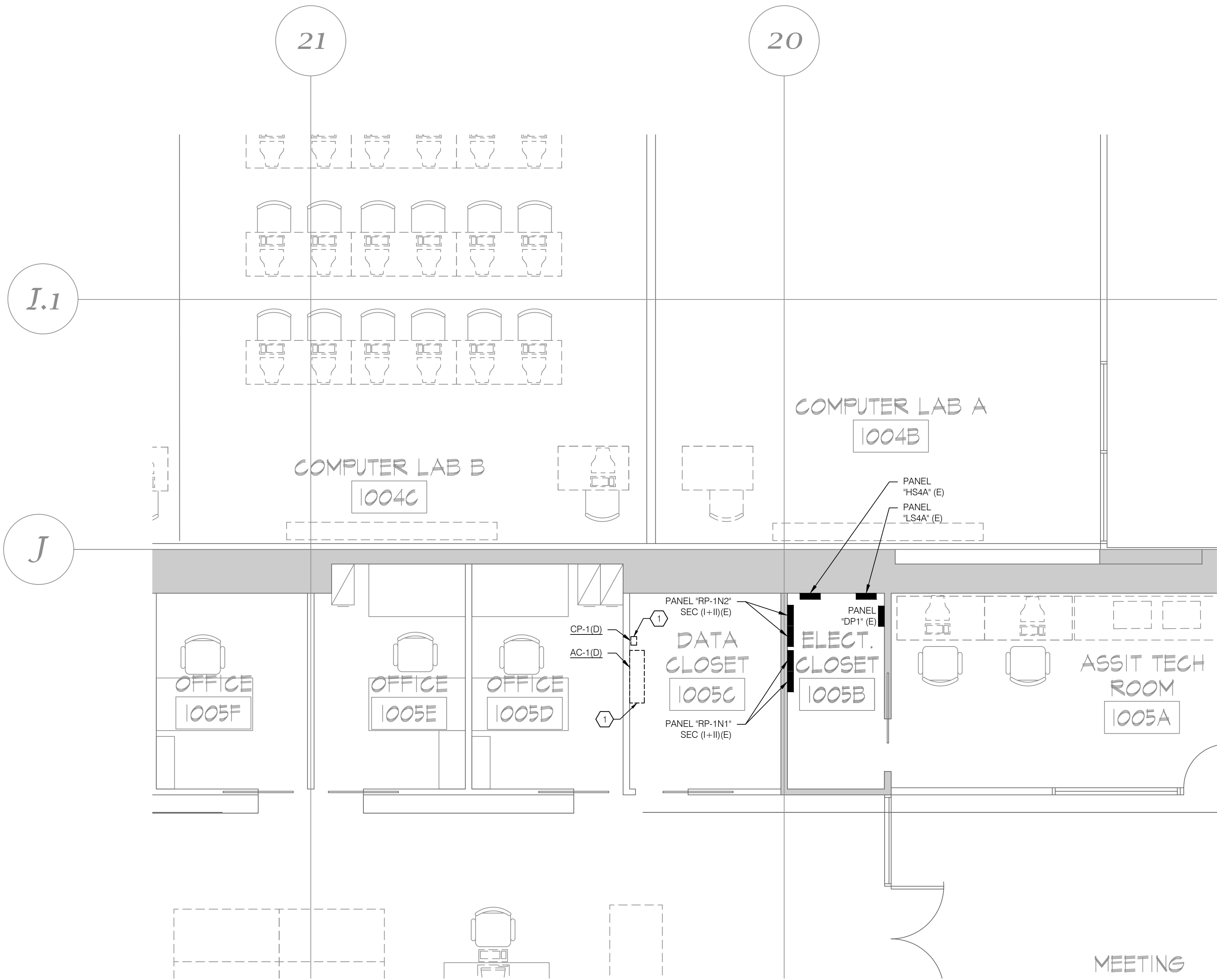
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Title
ROOF PLAN - WEST -
PLUMBING



Date 09-02-2024
Project No. 4256
Drawing By
CHK By
Scale AS NOTED
DOB Rev

P-102.00



1 FIRST FLOOR DEMOLITION PLAN - WEST- ELECTRICAL
ED-101.00 SCALE: 1/4" = 1'-0"

FLOOR PLAN NOTES

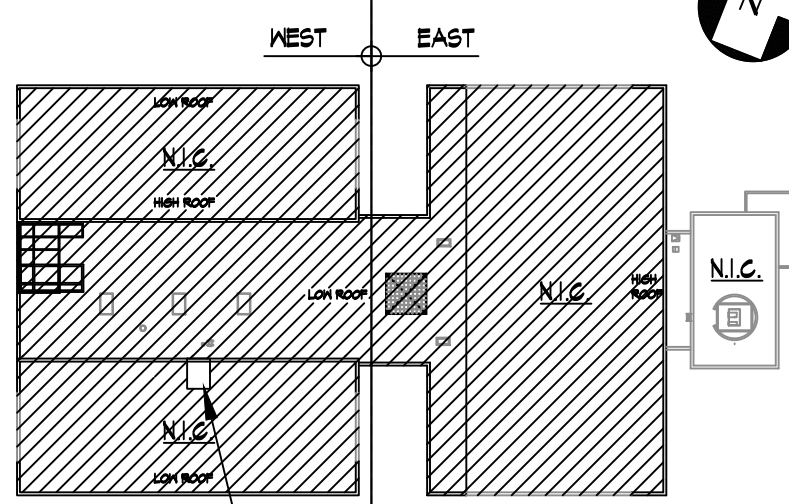
GENERAL NOTES:

1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL EQUIPMENT TO BE DEMOLISHED.
3. FOR ALL DEMOLISHED EQUIPMENT AND DEVICES, REMOVE ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY.
4. COORDINATE WITH THE BUILDING ENGINEER TO VERIFY THE DEMOLISHED EQUIPMENT AND DEVICES WHICH ARE TO BE RETURNED TO BUILDING OWNER FOR STORAGE.
5. ALL EXISTING DEVICES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
6. THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT TO REMAIN SHALL BE MAINTAINED.
7. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL DEVICES SHOWN WITH A DASHED LINE INDICATE EXISTING EQUIPMENT TO BE DEMOLISHED. DEVICES SHOWN WITH A CONTINUOUS LINE INDICATE EXISTING EQUIPMENT TO REMAIN.

SHEET KEY NOTES:

1. DISCONNECT AND REMOVE BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY, INCLUDING STARTERS, VFD'S AND DISCONNECT SWITCHES OF MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWING MD-103.00 FOR MORE INFORMATION. REMOVAL OF INDOOR UNIT IS BY DIVISION 25 AND REMOVAL OF ELECTRICAL CONDUIT/DISCONNECT SWITCHES IS BY DIVISION 26.

KEY PLAN:



Block # Lot #

ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

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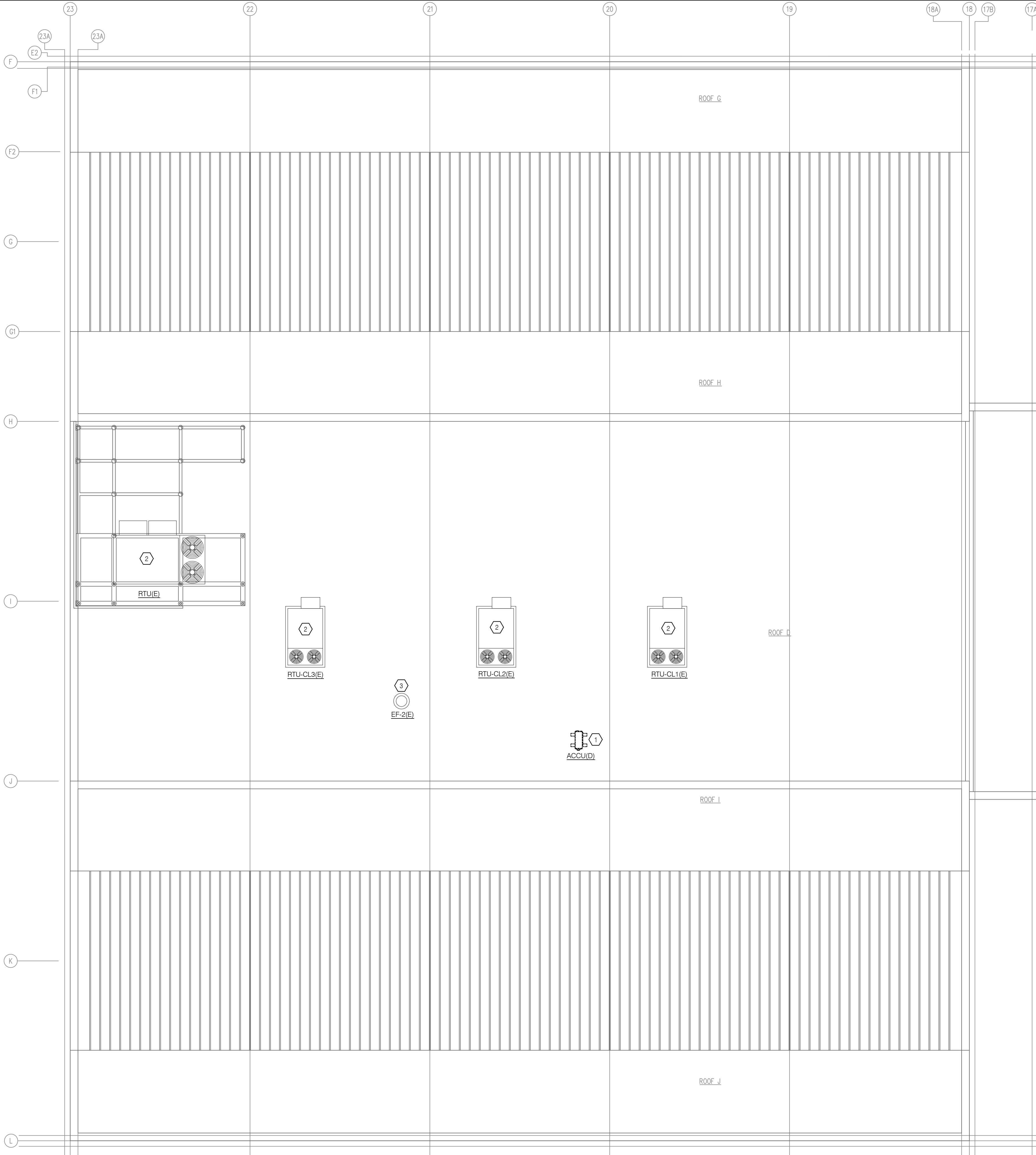
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Title
FIRST FLOOR DEMOLITION
PLAN - WEST- ELECTRICAL



Date 09-02-2024
Project No. 4256
Drawing By LJ
CHK By SM
Scale AS NOTED

ED-101.00



FLOOR PLAN NOTES

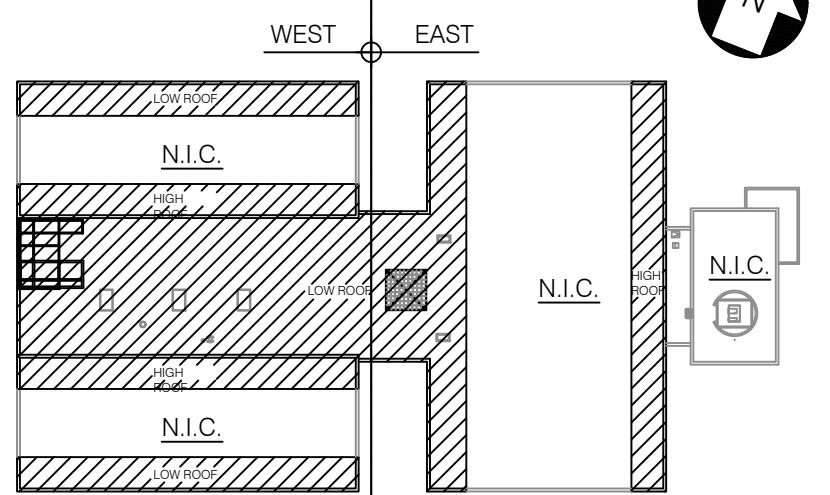
GENERAL NOTES:

1. REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL EQUIPMENT TO BE DEMOLISHED.
3. FOR ALL DEMOLISHED EQUIPMENT AND DEVICES, REMOVE ALL ASSOCIATED ACCESSORIES, BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY.
4. COORDINATE WITH THE BUILDING ENGINEER TO VERIFY THE DEMOLISHED EQUIPMENT AND DEVICES WHICH ARE TO BE RETURNED TO BUILDING OWNER FOR STORAGE.
5. ALL EXISTING DEVICES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
6. THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT TO REMAIN SHALL BE MAINTAINED.
7. UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL DEVICES SHOWN WITH A DASHED LINE INDICATE EXISTING EQUIPMENT TO BE DEMOLISHED. DEVICES SHOWN WITH A CONTINUOUS LINE INDICATE EXISTING EQUIPMENT TO REMAIN.

SHEET KEY NOTES:

1. DISCONNECT AND REMOVE BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE OF SUPPLY, INCLUDING STARTERS, VFD'S AND DISCONNECT SWITCHES OF MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWING MD-102.00 FOR MORE INFORMATION. REMOVAL OF OUTDOOR UNIT IS BY DIVISION 23 AND REMOVAL OF ELECTRICAL CONDUIT/DISCONNECT SWITCHES IS BY DIVISION 26. CONTRACTOR WILL HAVE TO VISIT THE SITE PRIOR TO ANY WORK TO DETERMINE THE EXACT ROUTING OF THE EXISTING CONDUIT. CONTRACTOR TO COORDINATE WITH CAMPUS TO DO ANY WORK IN OCCUPIED SPACES TO REMOVE THE EXISTING CONDUIT AND BRANCH CIRCUIT WIRING.
2. EXISTING HVAC UNIT TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. CONTRACTOR TO PROTECT EXISTING CIRCUIT, FEEDER, SOURCE BREAKER, AND DISCONNECTING MEANS, WHICH SERVES THE HVAC UNIT. NO ELECTRICAL WORK IS BEING DONE ON THESE UNITS.
3. EXISTING EXHAUST FAN TO BE REMOVED TEMPORARILY FOR THE INSTALLATION OF NEW ROOF CURB. DISCONNECT POWER TO EXHAUST FAN AND CAP EXISTING WIRING FOR RECONNECTION. RECONNECT POWER AFTER THE INSTALLATION OF NEW ROOF CURB. ASSOCIATED WIRING AND CONDUIT TO BE REUSED.

KEY PLAN:



ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

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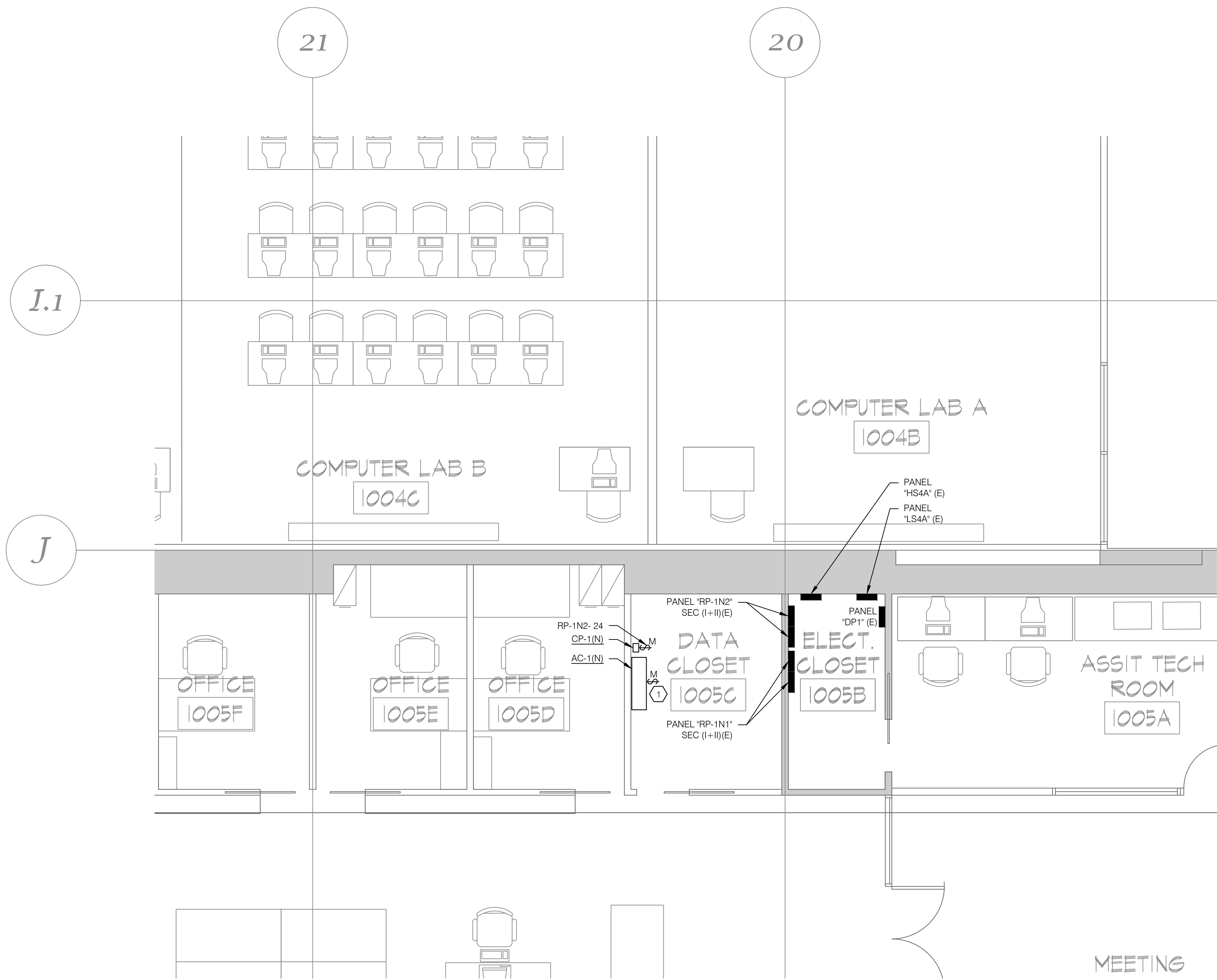
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Title
ROOF DEMOLITION PLAN -
WEST- ELECTRICAL



Date 09-02-2024
Project No. 4256
Drawing By LJ
CHK By SM
Scale AS NOTED

DOB Rev
ED-102.00



1 FIRST FLOOR POWER PLAN - WEST- ELECTRICAL
E-201.00 SCALE: 1/4" = 1'-0"

FLOOR PLAN NOTES

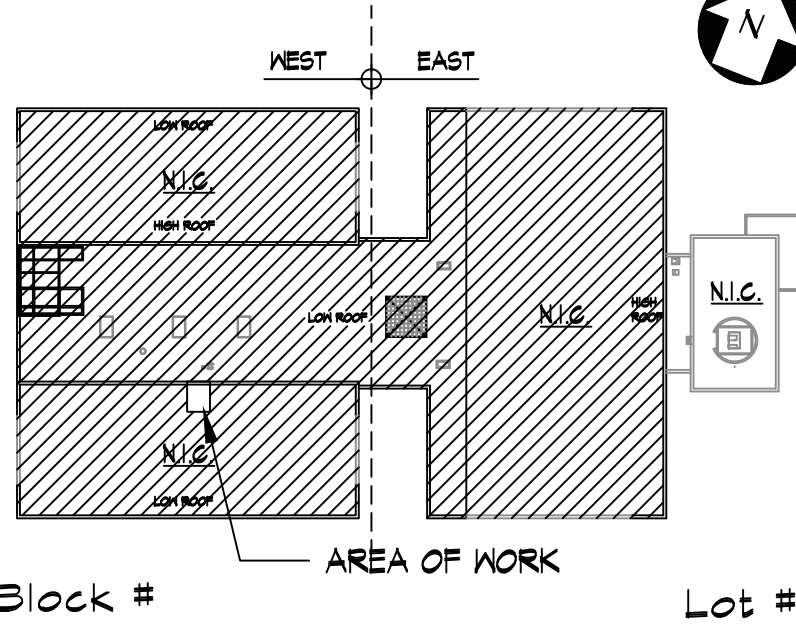
GENERAL NOTES:

- REFER TO THE ELECTRICAL COVER SHEET DRAWING FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
- REFER TO ARCHITECTURAL DRAWINGS TO VERIFY THE ELEVATIONS, DETAILS, LOCATION, MOUNTING HEIGHTS AND ADDITIONAL INFORMATION PRIOR TO THE ROUGH-IN OF ELECTRICAL OUTLETS.
- COORDINATE WITH CONTRACT DOCUMENTS FOR ALL OTHER DISCIPLINES AND TRADES FOR EXACT LOCATION OF ASSOCIATED EQUIPMENT.
- THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT TO REMAIN SHALL BE MAINTAINED.
- ALL NEW OUTLETS AND DEVICES MUST BE FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED OUTLETS, DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- ALL REUSED CIRCUIT NUMBERS INDICATED ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH THE AS-BUILT CONDITION OF THE EXISTING CIRCUITS SERVING THE AREA. CONTRACTOR TO VERIFY AND UPDATE THE CIRCUIT NUMBERS UTILIZED DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED, IN THE SCOPE OF WORK AREA, ALL ELECTRICAL OUTLETS AND DEVICES SHOWN WITH A SUBSCRIPT "N" OR WITHOUT ANY SUBSCRIPT ARE NEW TO BE PROVIDED. DEVICES SHOWN WITH A SUBSCRIPT "E" INDICATE EXISTING EQUIPMENT TO REMAIN.

SHEET KEY NOTES:

- POWERED THROUGH CORRESPONDING OUTDOOR CONDENSING UNIT. CONTRACTOR TO PROVIDE (1) EMPTY CONDUIT FOR POWER AND (1) EMPTY CONDUIT FOR CONTROLS BETWEEN INDOOR UNIT TO OUTDOOR UNIT.

KEY PLAN:



ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

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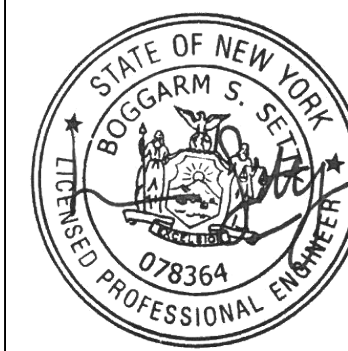
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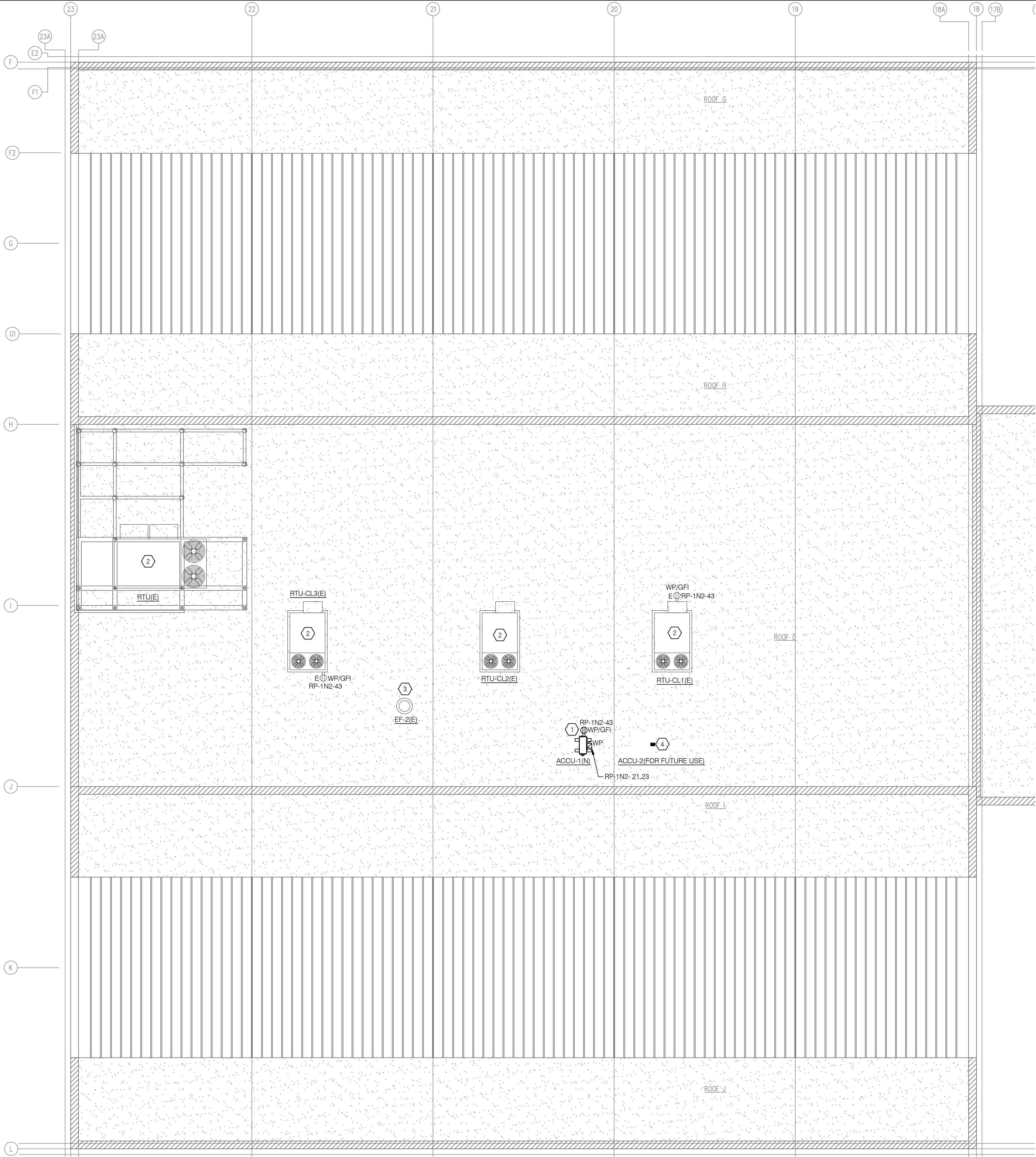
Title
FIRST FLOOR POWER PLAN -
WEST- ELECTRICAL



Date 09-02-2024
Project No. 4256
Drawing By LJ
CHK By SM
Scale AS NOTED

DOB Rev

E-201.00



FLOOR PLAN NOTES

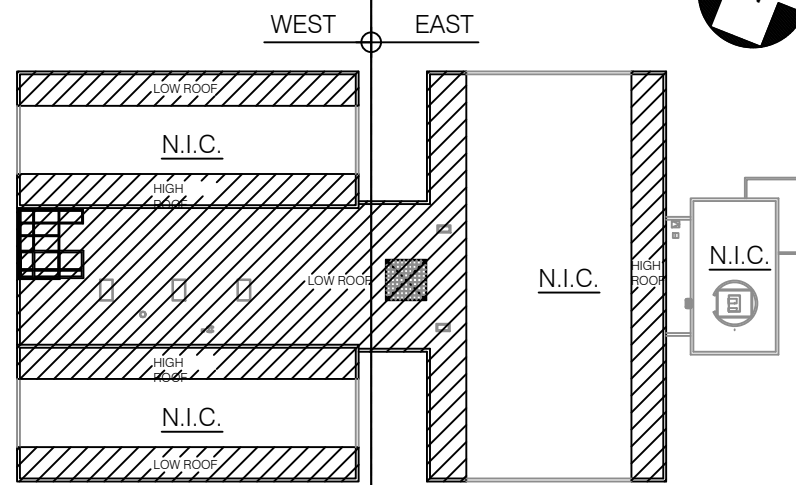
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- COORDINATE WITH CONTRACT DOCUMENTS FOR ALL OTHER DISCIPLINES AND TRADES FOR EXACT LOCATION OF ASSOCIATED EQUIPMENT.
- THE CONTINUITY OF EXISTING CIRCUITS SERVING EXISTING DEVICES AND EQUIPMENT TO REMAIN SHALL BE MAINTAINED.
- ALL NEW OUTLETS AND DEVICES MUST BE FLUSH MOUNTED WITH CONCEALED CONDUITS. ANY SURFACE MOUNTED OUTLETS, DEVICES AND CONDUITS IN THE SCOPE OF WORK AREA MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- ALL REUSED CIRCUIT NUMBERS INDICATED ON PLAN ARE BASED ON EXISTING DOCUMENTS AND MAY NOT MATCH THE AS-BUILT CONDITION OF THE EXISTING CIRCUITS SERVING THE AREA. CONTRACTOR TO VERIFY AND UPDATE THE CIRCUIT NUMBERS UTILIZED DURING CONSTRUCTION.
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SHEET KEY NOTES:

- CONNECT NEW RECEPTACLE TO THE NEAREST EXISTING CONVENIENCE RECEPTACLE CIRCUIT (RP-1N2-43) SERVING THIS AREA. CONTRACTOR TO ENSURE THAT THE TOTAL LOAD ON CIRCUIT DOES NOT EXCEED 16A PER 20A CIRCUIT. CONDUIT TO BE ROUTED BELOW THE ROOF AND PENETRATE THE ROOF IN TO THE ACCU UNIT.
- EXISTING HVAC UNIT TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. CONTRACTOR TO PROTECT EXISTING CIRCUIT, FEEDER, SOURCE BREAKER, AND DISCONNECTING MEANS, WHICH SERVES THE HVAC UNIT. NO ELECTRICAL WORK IS BEING DONE ON THESE UNITS.
- EXISTING EXHAUST FAN ON NEW REBUILT ROOF CURB. RECONNECT EXISTING WIRING AND CONDUIT TO EXHAUST FAN. INTERCEPT, EXTEND, AND PROVIDE WIRING AND CONDUIT TO EXISTING CIRCUIT. WIRING AND CONDUIT SHALL EQUAL EXISTING.
- STUB UP (1) 3/4" EMPTY CONDUIT WITH PULL STRING FOR POWER FROM PANEL RP-1N2 TO FEED FUTURE ACCU-2 ON THE ROOF. VERIFY EXACT LOCATION OF STUB-UP ON SITE WITH CAMPUS REPRESENTATIVE. CAP FUTURE CONDUIT.

KEY PLAN:



ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

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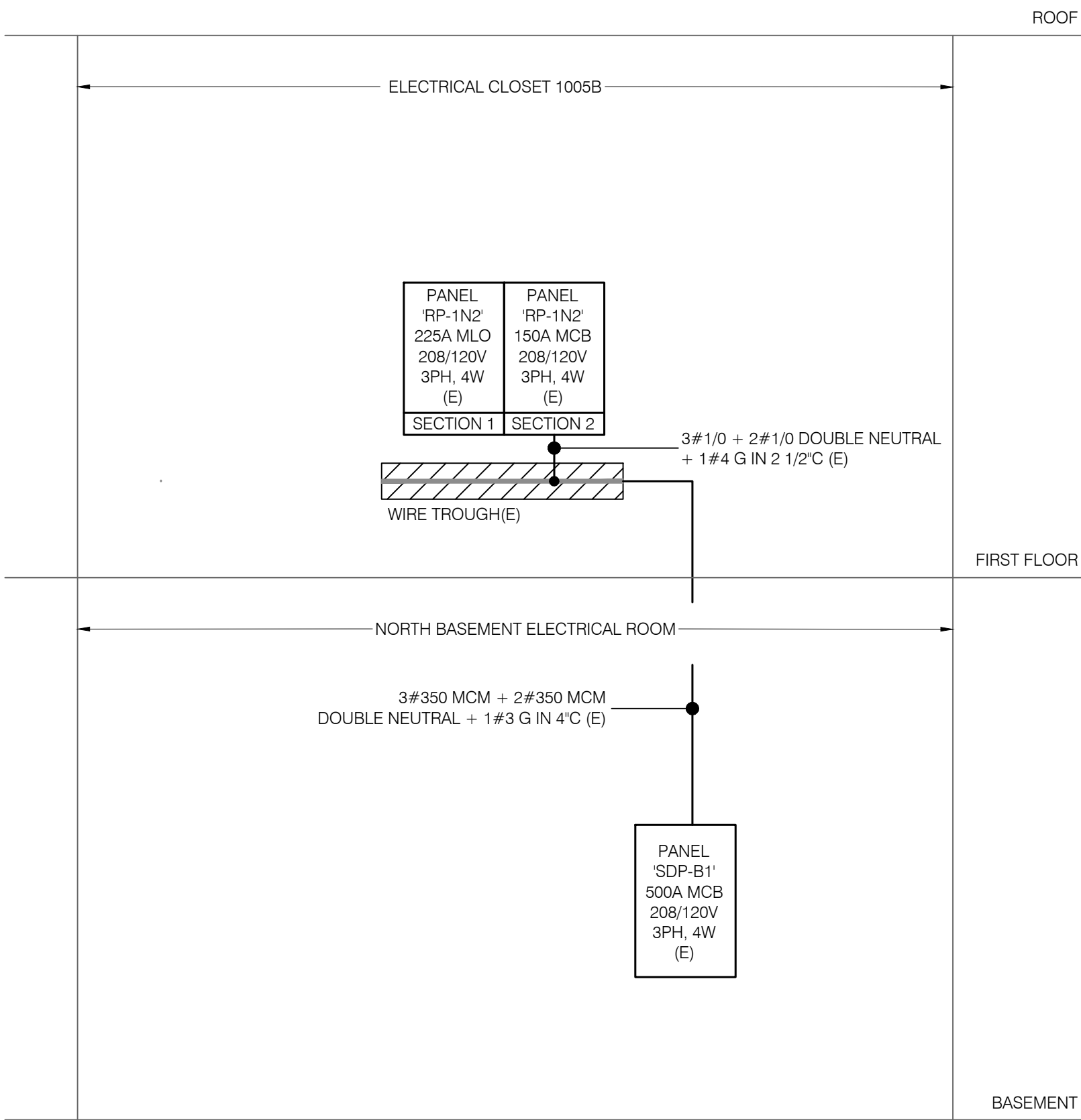
No.	Date	Revision
0	28 JULY 2023	ISSUE FOR 50% DD
1	22 DEC 2023	DRAFT SUBMISSION
2	16 FEB 2024	ISSUE FOR PRE - BID
3	07 MAY 2024	100% ISSUE FOR BID

Title
ROOF POWER PLAN - WEST-
ELECTRICAL



Date 09-02-2024
Project No. 4256
Drawing By LJ
CHK By SM
Scale AS NOTED

E-202.00



1 ELECTRICAL PARTIAL POWER RISER DIAGRAM - FOR REFERENCE ONLY
E-501.00 SCALE: NTS

FLOOR PLAN NOTES

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL ELECTRICAL EQUIPMENT, PANELS AND FEEDERS ARE EXISTING TO REMAIN AND SHOWN FOR REFERENCE ONLY.

SHEET KEY NOTES:

ROOF RENOVATION
PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK

735 Anderson Hill Rd.
Purchase, NY 10577

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MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE														
UNIT MARK	UNIT DESCRIPTION	VOLTAGE / PHASE	HP	LOAD KW	FLA	MCA	MOCB IN PANEL	UNIT DISCONNECT SWITCH					FEEDER	REMARKS
								SIZE	TYPE	FURNISHED BY	INSTALLED BY	POWERED BY		
CP-1	CONDENSATE PUMP	120/1	1/30	-	1.5	1.87	20	-	SM	DIV. 26	DIV. 26	DIV. 26	2#12 + 1#12 G IN 3/4"C	
AC-1	INDOOR SPLIT SYSTEM COOLING UNIT	208/1	-	0.03	0.33	1	20	-	SM	DIV. 26	DIV. 26	DIV. 26	2#12 + 1#12 G IN 3/4"C	POWERED VIA OUTDOOR UNIT
ACCU-1	OUTDOOR CONDENSING UNIT	208/1	-	-	8.8	11	20	30/20	FSS	DIV. 23	DIV. 23	DIV. 26	2#10 + 1#10 G IN 3/4"C	
ACCU-2 (FUTURE USE)	OUTDOOR CONDENSING UNIT	208/1	-	-	-	-	-	-	-	-	-	-	EMPTY 3/4" CONDUIT WITH PULL STRING	NEW CONDUIT PROVIDED FOR FUTURE ACCU-2

ABBREVIATIONS: SM - MOTOR RATED SWITCH; NFSS - NON FUSED SAFETY SWITCH; FSS - FUSED SAFETY SWITCH; VFD - VARIABLE FREQUENCY DRIVE

NOTES:

1. ALL OUTDOOR DISCONNECT SWITCHES SHALL BE IN NEMA 3R ENCLOSURE TYPE, UNLESS OTHERWISE NOTED.
2. ALL FUSE SIZES FOR EQUIPMENT DISCONNECT SWITCH SHALL BE BASED ON THE EQUIPMENT NAME PLATE DATA AND EQUIPMENT MANUFACTURER RECOMMENDATIONS.
3. CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS FOR ALL ASSOCIATED CONDENSATE PUMP, CONTROL PANEL, ALARM AND MISCELLANEOUS ACCESSORY DEVICES SERVING EQUIPMENT AS REQUIRED.
4. ALL FUSES SHALL BE DUAL ELEMENT TYPE.

VOLTAGE DROP CALCULATIONS FOR ROOF EQUIPMENT CIRCUITS								
CIRCUIT	EQUIPEMENT	VOLTAGE (V)	PHASE	CIRCUIT LENGTH (FT)	CIRCUIT LOAD (A)	WIRE SIZE (AWG)	VOLTAGE DROP (V)	VOLTAGE DROP (%)
RP-1N2-21, 23	ACCU-1	208	1	20	8.8	2 #12 AWG + 1 #12 AWG G IN 3/4"C	1.004	0.480

Title
ELECTRICAL RISER
DIAGRAM AND SCHEDULES



Date 09-02-2024
Project No. 4256
Drawing By LJ
CHK By SM
Scale AS NOTED

DOB Rev

E-501.00

PROJECT: SUNNY PURCHASE LIBRARY ROOF REPLACEMENT										PANEL VOLTAGE: 120/208V					AIRC RATING: 22K								
PANEL: RP-1N2(SEC I) (E)										PHASE & WIRE: 3PH, 4W					MOUNTING: SURFACE								
LOCATION ELECTRICAL CLOSET 1005B										BUSMAIN (AMPS): 225A MLO					NEMA TYPE: 1								
CKT NO.	OCD		DESCRIPTION	LOAD (KVA)					3 PH SEQUENCE			LOAD (KVA)					DESCRIPTION	OCD			CKT NO.		
	A	P		MISC	HWH	HVAC	REC	LTG	A	B	C	MISC	HWH	HVAC	REC	LTG		A	P				
1	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4		2.6						1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	2			
3	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4			2.6					1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	4			
5	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4				2.6				1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	6			
7	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4		2.6						1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	8			
9	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4			2.6					1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	10			
11	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4				2.6				1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	12			
13	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4		2.6						1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	14			
15	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4			2.6					1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	16			
17	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4				2.6				1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	18			
19	20	1	COMPUTER LAB C 1011G DESKS (E)				1.4		2.6						1.2		COMPUTER LAB C 1011G DESKS (E)	20	1	20			
21	20	2	ACCU-1	1		0.9				0.9							SPARE	20	1	22			
23	/	/	/			0.9					1.1			0.2			CP-1	20	1	24			
25	20	1	COMPUTER LAB C 1011G INSTRUCTOR (E)				1.2		2.4						1.2		COMPUTER LAB C 1011G PROJECTION SCF	20	1	26			
27	20	1	COMPUTER LAB C 1011G PROJECTOR (E)				1.2			2.4					1.2		COMPUTER LAB C 1011G GENERAL RECEP	20	1	28			
29	20	1	TECH SUPPORT 1005A COMPUTER RECEPT (E)				1.2				2.4				1.2		TECH SUPPORT 1005A SCANNER/READER	20	1	30			
31	20	1	TECH SUPPORT 1005A GENERAL RECEPT (E)				1.2		2.4						1.2		MEETING RM 1005K WIRELESS LAN (E)	20	1	32			
33	20	1	TECH SERVICES 1005L COMPUTER DESKS (E)				1.2			2.4					1.2		TECH SERVICES 1005L COPY MACHINE (E)	20	1	34			
35	20	1	OFFICE 1005Q/1005R COMPUTER RECEPT (E)				1.2				2.4				1.2		OFFICE 1005Q/1005R GENERAL RECEPT (E)	20	1	36			
37	20	1	OFFICE 1005P COMPUTER RECEPT (E)				1.2		2.4						1.2		OFFICE 1005N COMPUTER RECEPT (E)	20	1	38			
39	20	1	OFFICE 1005N/1005P GENERAL RECEPT (E)				1.2			2.4					1.2		COMPUTER LAB A/B 1001H PRINTER (E)	20	1	40			
41	20	1	COMPUTER LAB A/B 1011H PRINTER (E)				1.2				2.4				1.2		COMPUTER LAB C 1011G PRINTER (E)	20	1	42			
CONNECTED LOAD (KVA)				0.0	0.0	1.8	25.0	0.0	17.7	16.0	16.1	0.0	0.0	0.2	22.8	0.0							
TOTAL CONNECTED LOAD (SECTION 1)				0.0	0.0	2.0	47.8	0.0															
TOTAL CONNECTED LOAD (SECTION 2)				0.2	0.0	1.2	0.4	0.0															
25% OF LARGEST MOTOR (KVA)																							
TOTAL CONNECTED LOAD (KVA)				0.2	0.0	3.2	48.2	0.0															
DEMAND FACTOR				1.0	1.25	1.0	X	1.25											TOTAL DEMAND (KVA) 33				
TOTAL DEMAND LOAD (KVA)				0.2	0.0	3.2	29.1	0.0											LINE CURRENT (AMPS) 90				
X= 1ST 10KVA @ 100% + REMAINDER @ 50% (N.E.C. 220-44)																				HWH - HOT WATER HEATER			
1	PROVIDE NEW CIRCUIT BREAKER																						

PROJECT: SUNNY PURCHASE LIBRARY ROOF REPLACEMENT										PANEL VOLTAGE: 120/208V					AIC RATING: 22K					
PANEL: RP-1N2(SEC II) (E)										PHASE & WIRE: 3PH, 4W					MOUNTING: SURFACE					
LOCATION ELECTRICAL CLOSET 1005B										BUSMAIN (AMPS): 150A MCB					NEMA TYPE: 1					
CKT NO.	OCD		DESCRIPTION	LOAD (KVA)					3 PH SEQUENCE			LOAD (KVA)					DESCRIPTION	OCD		CKT NO.
	A	P		MISC	HW	HVAC	REC	LTG	A	B	C	MISC	HW	HVAC	REC	LTG		A	P	
43	20	1	ROOFTOP SERVICE LIGHT&RECEPTACLE (E)	0.2					1.4					1.2			EXHAUST FAN EF-12 (E)	20	1	44
45	20	1	COMPUTER LAB A/C WIRELESS LAN (E)				0.4			0.4							SPARE	20	1	46
47	20	1	SPARE							0.0							SPARE	20	1	48
49	20	1	SPARE						0.0								SPARE	20	1	50
51	20	1	SPARE							0.0							SPARE	20	1	52
53	20	1	SPARE							0.0							SPARE	20	1	54
55	20	1	SPARE						0.0								SPARE	20	1	56
57	20	1	SPARE							0.0							SPARE	20	1	58
59	20	1	SPARE							0.0							SPARE	20	1	60
61	20	1	SPARE						0.0								SPARE	20	1	62
63	20	1	SPARE							0.0							SPARE	20	1	64
65	20	1	SPARE							0.0							SPARE	20	1	66
67	20	1	SPARE						0.0								SPARE	20	1	68
69	20	1	SPARE							0.0							SPARE	20	1	70
71	20	1	SPARE							0.0							SPARE	20	1	72
73	20	1	SPARE						0.0								SPARE	20	1	74
75	20	1	SPARE							0.0							SPARE	20	1	76
77	20	1	SPARE							0.0							SPARE	20	1	78
79	20	1	SPARE						0.0								SPARE	20	1	80
81	20	1	SPARE							0.0							SPARE	20	1	82
83	20	1	SPARE							0.0							SPARE	20	1	84
CONNECTED LOAD (KVA)				0.2	0.0	0.0	0.4	0.0	1.4	0.4	0.0	0.0	0.0	1.2	0.0	0.0				
25% OF LARGEST MOTOR (KVA)																				
TOTAL CONNECTED LOAD (KVA)				0.2	0.0	1.2	0.4	0.0												
DEMAND FACTOR				1.0	1.25	1.0	X	1.25												
TOTAL DEMAND LOAD (KVA)				0.2	0.0	1.2	0.4	0.0												
X= 1ST 10KVA @ 100%, + REMAINDER @ 50% (N.E.C. 220-44)																	TOTAL DEMAND (KVA)			2
1 PROVIDE NEW CIRCUIT BREAKER																	LINE CURRENT (AMPS)			5
																	HWH - HOT WATER HEATER			

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3	07 MAY 2024	100% ISSUE FOR BID

Title
PANEL SCHEDULES



Date	09-02-2024
Project No.	4256
Drawing By	LJ
CHK By	SM
Scale	AS NOTED

E-601.00

E SHEET 07 OF 07

GENERAL NOTES

1. TURN ALL SPARE CIRCUIT BREAKERS TO "OFF" POSITION AT COMPLETION OF WORK.
2. AT COMPLETION OF THE PROJECT, PROVIDE TYPE WRITTEN SCHEDULES FOR ALL PANEL BOARDS UTILIZED DURING THE CONSTRUCTION PROCESS INDICATING AS-BUILT CONDITION.
3. PROVIDE RED COLOR LOCKABLE BREAKERS FOR CIRCUITS SERVING LIFE SAFETY PANEL BOARDS.
4. ALL UNGROUNDED AND GROUNDED CONDUCTORS OF EACH MULTI-WIRE BRANCH CIRCUIT ARE TO BE GROUNDED BY WIRE TIES OR SIMILAR MEANS AT LEAST ONE LOCATION EITHER WITHIN THE PANEL BOARD OR AT THE OTHER POINT OF ORIGINATION.

KEY PANELS	
PANEL "RP-1N2(SEC I)" (E)	PANEL "RP-1N2(SEC II)" (E)