

STATE UNIVERSITY CONSTRUCTION FUND

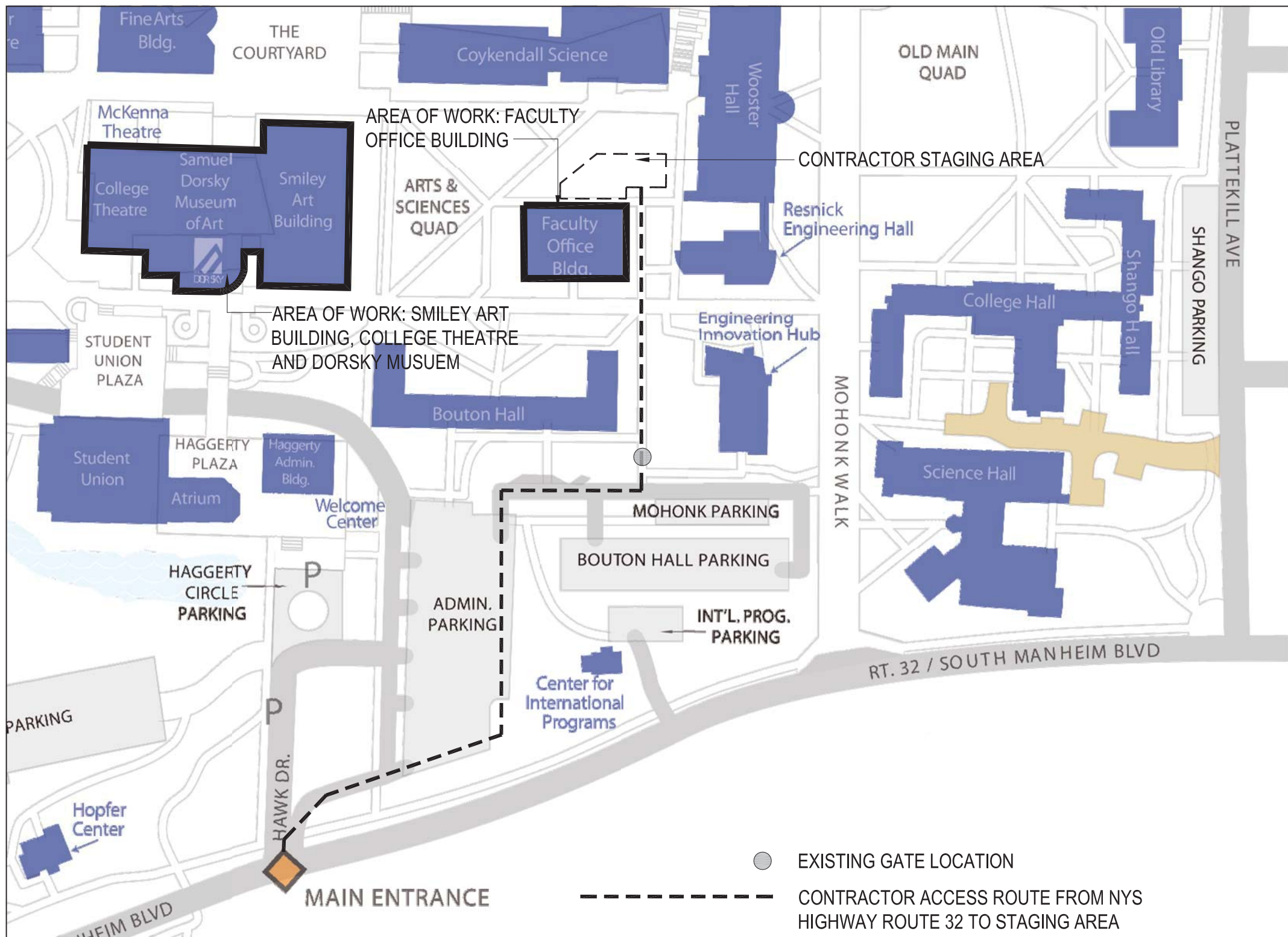
STATE UNIVERSITY PLAZA
353 BROADWAY
ALBANY, NY 12246

STATE UNIVERSITY OF NEW YORK - NEW PALTZ

1 HAWK DR
NEW PALTZ, NY 12561

CONTRACT NUMBER:
SUCF #081047-00

CONTRACT TITLE:
REPLACE ROOFS - SMILEY ARTS,
COLLEGE THEATRE, DORSKY MUSEUM
AND FACULTY OFFICE BUILDING



LOCATION MAP
SCALE: NOT TO SCALE

DRAWING LIST

- ARCHITECTURAL**
- T001 COVER SHEET
 - T002 GENERAL NOTES, CODE COMPLIANCE, ACCESSIBILITY NOTES
 - T003 CONSTRUCTION BARRIERS, WALKWAYS & STAGING AREA FENCING
- SMILEY ARTS BUILDING REFERENCE SHEET 1 OF 2**
- R001 SMILEY ARTS BUILDING REFERENCE SHEET 1 OF 2
 - R002 COLLEGE THEATRE REFERENCE SHEET 2 OF 2
- SAB ROOF REMOVALS PLAN**
- A061 SAB ROOF REMOVALS PLAN
 - A062 FACULTY OFFICE BUILDING (FOB) REMOVALS PLAN AND SECTIONS
- SAB CONSTRUCTION ROOF PLAN**
- A101 SAB CONSTRUCTION ROOF PLAN
 - A102 FOB CONSTRUCTION ROOF PLAN AND ENLARGED SECTIONS
 - A103 ROOF "R8" CONSTRUCTION PLAN
 - A104 ROOF "R10" CONSTRUCTION PLAN
- SECTIONS AND DETAILS**
- A301 SECTIONS AND DETAILS
 - A302 ROOF STAIR AND LADDER SECTIONS AND DETAILS
 - A303 SKYLIGHT SECTIONS AND DETAILS
 - A304 MISCELLANEOUS SECTIONS AND DETAILS
 - A305 EXPANSION JOINT SECTIONS AND DETAILS
- TYPICAL ROOF DETAILS**
- A420 TYPICAL ROOF DETAILS
- HAZMAT**
- H101 SAB ROOF ABATEMENT PLAN

- MECHANICAL**
- M001 HVAC SYMBOLS LIST & ABBREVIATIONS
 - M002 HVAC NOTES
 - M003 NOTES & SCHEDULES
- HVAC ROOF REMOVAL PLAN & 1ST FL. PART PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)**
- DM100 HVAC ROOF REMOVAL PLAN & 1ST FL. PART PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)
 - DM101 HVAC ROOF REMOVAL PLAN - FACULTY OFFICE BUILDING
- HVAC ROOF CONSTRUCTION PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)**
- M100 HVAC ROOF CONSTRUCTION PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)
 - M101 HVAC ROOF CONSTRUCTION PLAN - FACULTY OFFICE BUILDING
- HVAC CONTROLS SHEET 1 OF 3**
- M401 HVAC CONTROLS SHEET 1 OF 3
 - M402 HVAC CONTROLS SHEET 2 OF 3
 - M403 HVAC CONTROLS SHEET 3 OF 3
- HVAC - DETAILS SHEET 1 OF 2**
- M501 HVAC - DETAILS SHEET 1 OF 2
 - M502 HVAC - DETAILS SHEET 2 OF 2
- TEMPORARY CONSTRUCTION PLAN 1**
- M800 TEMPORARY CONSTRUCTION PLAN 1
 - M801 TEMPORARY CONSTRUCTION PLAN 2
- PLUMBING**
- P001 PLUMBING - GENERAL NOTES
- PLUMBING - SAB ROOF DEMOLITION PLAN**
- P062 PLUMBING - SAB ROOF DEMOLITION PLAN
 - P064 PLUMBING - FOB ROOF DEMOLITION PLAN
- PLUMBING - SAB ROOF CONSTRUCTION PLAN**
- P102 PLUMBING - SAB ROOF CONSTRUCTION PLAN
 - P104 PLUMBING - FOB ROOF CONSTRUCTION PLAN
- PLUMBING - RISER DIAGRAM I**
- P301 PLUMBING - RISER DIAGRAM I
 - P302 PLUMBING - RISER DIAGRAM II
- ELECTRICAL**
- E001 ELECTRICAL SYMBOLS, NOTES & ABBREVIATIONS
 - E002 ELECTRICAL NOTES AND DRAWING LIST
- ELECTRICAL ROOF REMOVAL PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)**
- DE101 ELECTRICAL ROOF REMOVAL PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)
 - DE102 ELECTRICAL ROOF REMOVAL PLAN - FACULTY OFFICE BUILDING
- ELECTRICAL ROOF CONSTRUCTION PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)**
- E101 ELECTRICAL ROOF CONSTRUCTION PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)
 - E102 ELECTRICAL ROOF CONSTRUCTION PLAN - FACULTY OFFICE BUILDING
- ELECTRICAL POWER TO TEMPORARY AC UNIT**
- E401 ELECTRICAL POWER TO TEMPORARY AC UNIT
- ELECTRICAL DETAILS**
- E701 ELECTRICAL DETAILS



PROGRAM UNIT:



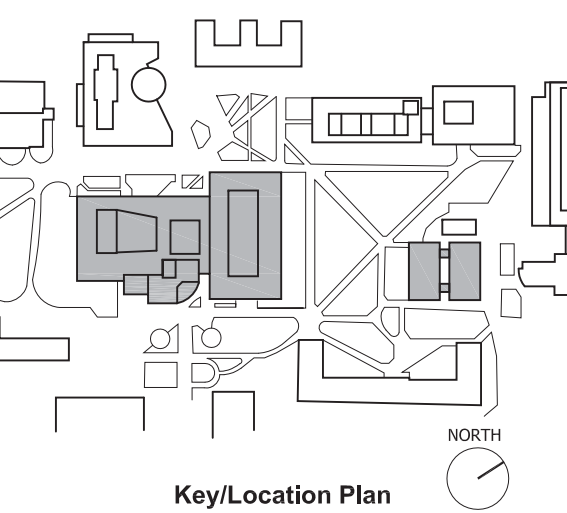
MDSZERBAY ASSOCIATES ARCHITECTURE LLC
307 7th AVENUE 15th FLOOR
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TEL: 212.352.3307



IAQ SYSTEMS INC., CONSULTING ENGINEERS
555 8th AVENUE, SUITE 1502
NEW YORK, NY 10018
TEL: 212.680.8945

Facility:
SUNY NEW PALTZ
Building Address:
1 HAWK DRIVE, NEW PALTZ, NY 12561
Building:
SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING

County of: ULSTER
Project No.: 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
COVER SHEET

Seal & Signature:



Drawn By: JASON CAMPAGNA
Checked By: JOHN O'CONNOR
Date: JANUARY 8, 2021
Scale: AS NOTED

Drawing No.:
T001.00

Sheet 1 of 47

SYMBOLS

1

A

1

18'-0"

1

A101.0X

1

A101.0X

A

333A

CLASSROOM

3333 SF

33

ROOM NUMBER

ROOM NAME

OCCUPANT LOAD

ACTUAL AREA (NSF/GSF)

OCCUPANCY CLASSIFICATION

DET.

NO.

DWG.

NO.

DETAIL REFERENCE MARKS

FLOOR FINISH TRANSITION

WIRE MESH PARTITION

DRAWING REVISIONS

AREA SHOWN

COLUMN GRID LINES

DIMENSION LINE

CENTERLINE

HIDDEN LINE (ABOVE, BELOW OR FUTURE AS INDICATED ON PLANS)

SECTION KEY MARK

ELEVATION REFERENCE MARK

PARTITION TYPE DESIGNATION (SEE PLANS)

SECTION NO.

ELEV. NO.

DWG. NO.

DWG. NO.

ABBREVIATIONS:					
A	ABOVE	F.E.R.	- FIRE EXTINGUISHER	M	M - MANHOLE
ACT	- ACUSTICAL TIE	F.H.	RECESS	M.N.	- MINIMUM
AC.F.L.	- ACUSTICAL FORM LINING	F.I.	- FIRE HYDRANT	M.P.	- METAL PERFECT SCREEN
AC.MAS.	- ACUSTICAL MASONRY UNITS	FL	- FLASHING	M.O.	- MASONRY OPENING
A.D.	- AREA DRAIN	FLUR	- FLASHING	M.P.	- METAL PANEL
ADJ.	- ADJUST (OR) ADJACENT	F.M.S.	- FLUSH MARBLE SADDLE	M.S.	- METAL STRIP
A.F.	- ABOVE FINISHED FLOOR	FOUND.	- FOUNDATION	N.D.	- NOMINAL DIAMETER
A.F.G.	- ABOVE FINISHED GRADE	F.P.	- FIRE PROOF SELF CLOSING	N.I.C.	- NOT IN CONTRACT
A.L.	- ALUMINUM	F.P.S.C.	- FIBER-REINFORCED GYPSUM WALL BOARD	N.O.	- NUMBER
APC	- ACUSTIC PANEL	FR	- FIRE RETARDANT	N.S.	- NONSIMULTANEOUS
APP'D	- APPROVED	FR.	- FIRE RETARDANT	N.T.S.	- NOT TO SCALE
ARCH.	- ARCHITECT	F.S.P.	- FIRE STANDPIPE	O.A.E.	- OR APPROVED EQUAL
ASPH.	- ASPHALT	F.T.	- FOOTING	O.C.	- OUTSIDE AIR INTAKE
ASSEM.	- ASSEMBLY	F.V.C.	- FIRE HOSE VALVE CABING	O.D.	- OUTSIDE DIAMETER
AUX.	- AUXILIARY	F.V.S.	- FLUSH VENTILY SADDLE	O.P.	- OPENING
∠	- AND	G	- GIRL	P	- PAINT
∠	- ANGLE	G.S.	- GIRL'S	PART.	- PARTITION
- AT	- AT	G.S.	- GIRL'S	P.A.V.	- PAVEMENT
B	- BOY'S	GALV.	- GALVANIZED	P.D.	- PLUMBING & DRAINAGE
B.C.	- BRIGHT COURSE	G.D.B.	- GLAZED DISPLAY BOARD	P.E.	- PERMEABLE
B.D.	- BOARD	G.I.	- GALVANIZED IRON	P.L.	- PROPERTY LINE
B.E.S.	- BOARDER EXPANSION SADDLE	G.L.	- GRILLE	P.L.V.	- PLASTIC LAMINATED
B.L.	- BLOWN LIME	G.O.	- GRILL	PRES.	- PRESENT
BLDG	- BUILDING	G.R.	- GRADE ELEVATION	PT. C.B.	- PAINTED CONCRETE BLOCK
BLK.	- BLOCK	GR.	- GRASS	P.T.	- PRECAST TERRAZZO TILE
BM	- BENCH MARK	G.V.	- GALVANIZED	Q	- QUARRY TILE
B.O.	- BOTTOM OF CURB	G.W.B.	- GYPSUM BOARD	Q.T.	- QUARRY TILE
B.O.B.C./B.	- BOTTOM OF W.B.W.B.	H	- HIGH	R	- RADIUS
B.O.T.	- BOTTOM	H.C.	- HUNG CEILING	R.B.	- RIBBING
BR.	- BRONZE	H.C.P.	- HANDICAPPED	R.C.	- RAILING
B.S.A.	- BLUE STONE OF STANDARDS AND APPEALS	H.E.	- HEAVY KITCHEN EQUIPMENT	R.D.	- ROOF DRAIN
C	- CASEMENT	H.K.	- HUNG KITCHEN EQUIPMENT	REC.	- RECESS
CABT	- CABINET	H.M.	- HUNG MOUNTING	REINFOR.	- REINFORCING
CAFE.	- CAFE	HORIZ.	- HORIZONTAL	RET.	- RETAINING
CEMT	- CEMENT	H.R.	- HAND RAIL	REVEA.	- REVEAL
CL	- CENTER LINE	H.V.	- HEATING & VENTILATION	RUB.	- RUBBER
C.I.	- CAST IRON	H.W.F.	- HIGH WIRE FENCE	S	- SINK
C.J.	- CONTROL JOINT	I	- INSIDE DIAMETER	S.A.C.	- SUSPENDED ACUSTICAL CEILING
CL.CLOS.	- CLOSET	ID	- INTERIOR WIRE MESH GUARD	S.E.	- SADDLE EXISTING
CL.CEIL'G.	- CEILING	INV.	- INVERT	SAD.	- SADDLE
CO.	- COLUMN	I.R.M.A.	- INSULATED ROOF	SAN.	- SANITARY
CORR	- CORRIDOR	INS.	- INSULATION	SEC.	- SECURITY
CONTIN. CONTIN.	- CONTINUOUS	INSTR.	- INSTRUMENT	SECT.	- SECTION
CONC.	- CONCRETE	INSUL.	- INSULATION	SH/SHELV'G	- SHELVING
CONV.	- CONVEYER	J	- JANITOR'S SINK CLOSET	SH	- SHEET
C.P.	- CONCRETE RUBBED AND FINISHED	J.S.C.	- JANITOR'S SINK CLOSET	SHR.	- SHIRAZ
C.R.	- CERAMIC TILE	K	- KICKPLATE	S.P.	- SPECIFICATION
CUB.	- CUBIC FEET	K.C.E.M.	- KEENE'S CEMENT	S.S./S.F.	- SQUARE
CULT.	- CULT	KINDER.	- KINDERGARTEN	S.R.	- STORE ROOM
D	- DISPLAY BOARD	KP.	- KICKPLATE	S.S.	- SECURITY SCREEN
DB, DB, DP, DB.	- DISPLAY BOARD	L	- LEADER	S.S./ST. STL.	- STAINLESS STEEL
DBL.	- DOUBLE	LAB.	- LABORATORY	STD.	- STANDARD
D.C.	- DUST	L.A.	- LA	STL.	- STEEL
DEP.	- DEPRESSED	L.G.	- LEGAL GRADE	ST.P.L.	- STEEL PLATE
DEFT.	- DEFECT	L.L.	- LINE	STOR.	- STORAGE
D.F.	- DRINKING FOUNTAIN	L.O.	- LOW OR	STOR. INSTRUCT./STOR.	- STORAGE INSTRUCT./STORAGE
D.H.	- DOUBLE HUNG	L.P.	- LOW POINT	STUD.	- STUDENT
DIA.	- DIAMETER	L.S.	- LIGHT SINK	STUDY	- STUDY
DISP.	- DISPENSER	L.S.P.	- LOUDSPEAKER	T	- TILE
DISP. CAB.	- DISPLAY CABINET	L.T.	- LIGHT WEIGHT CONCRETE BLOCK	T	- TILE
D.M.P.	- DIMENSIONAL METAL PARTITION	L.W.C.B.	- LIGHTWEIGHT CONCRETE BLOCK	T.A.B.	- TOP AND BOTTOM
DOWN	- DOWN	M	- METAL	T.C.F.O.C.	- TOP OF CURB
D.T	- DITCH	MA	- MATERIAL ACCESS DOOR	T.D.	- TOP OF DRAIN
DR	- DRAWING	MAR.	- MARBLE	T.E.L.	- TELEPHONE
DRW./DRAW	- DRAWING	MAT.	- MATERIAL	T.F.F.O.F.	- TOP OF FENCE
E	- EXPOSED BLOCK	M.C.	- MATERIAL CABINET	T.H.	- THICKNESS
E.B.P.	- EXPOSED BLOCK	M.C.B.	- MATERIAL CABINET	T.O.P.	- TOP OF
E.G.	- ESTABLISHED GRADE	M.C.B.	- MATERIAL CABINET	T.O.S.	- TOP OF SLAB
E.G.	- EXISTING WIRE MESH GUARD	M.C.B.	- MATERIAL CABINET	T.W.F.O.W.	- TOP OF WALL
E.J.E.P./T.	- EXPANSION JOINT	M.C.B.	- MATERIAL CABINET	TYP.	- TYPICAL
E.L.E.V.	- ELEVATION	M.C.B.	- MATERIAL CABINET	U	- UNLESS OTHERWISE NOT
E.L.E.V.	- ELEVATION	M.C.B.	- MATERIAL CABINET	U.O.N.	- UNLESS OTHERWISE NOT
EMG.	- EXPANSION METAL GUARD	M.C.B.	- MATERIAL CABINET	V	- VINYL
ENCL.	- ENCLOSURE	M.C.B.	- MATERIAL CABINET	V.C.T.	- VENTILATION
ENT.	- ENTRANCE	M.C.B.	- MATERIAL CABINET	V.M.	- VENDING MACHINE
E.O.S.	- EDGE OF SLAB	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
E.Q.	- EQUIPMENT	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
EQUIP.	- EQUIPMENT	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
EXP.	- EXPOSED	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
EXIST/EXIST'G	- EXISTING	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
F	- FIXED	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
F.	- FURRED CEILING	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
F.C.	- FURRED CEILING	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
F.D./FLDR.	- FLOOR DRAIN	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION
F.E.C.	- FIRE EXTINGUISHER CABINET	M.C.B.	- MATERIAL CABINET	V.M.	- VENTILATION

GENERAL NOTES:

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.

2. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS, FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. APPLICATION FOR CONSTRUCTION PERMITS SHALL BE PROCESSED THRU THE DEPARTMENT OF BUILDING SAFETY.

3. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.

4. THE CONTRACTOR SHALL MAKE ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO PERFORM ITS PARTS FIT TOGETHER PROPERLY, WITHOUT COMPROISING THE QUALITY OF THE WORK.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION, OR DEFLECTION. ALL ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.

6. THE TERM "FINISH FLOOR" SHALL MEAN THE NORMAL FINISHED SURFACE OF THE FLOOR LEVEL. ALL ELEVATIONS GIVEN FOR EXISTING BUILDINGS ARE TO EXISTING FINISHES. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS FOR FINISHED STRUCTURES PRIOR TO THE COMMENCEMENT OF WORK.

7. THE CONTRACTOR SHALL CORRECT ANY VARIATIONS IN FLOOR ELEVATIONS CREATED BY THE REMOVAL OF PARTITIONS AND/OR FOR THE INSTALLATION OF NEW PARTITIONS.

8. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS, CEILINGS ETC., DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES OF BUILDING SAFETY.

9. FLOORS IN SPACES WITH MULTIPLE FLOOR DRAINS SHALL BE PITCHED TO THE FLOOR DRAIN.

10. THE CONTRACTOR SHALL NOT INSTALL SUSPENDED OR FURRED CEILINGS IN AREAS WHERE PIPES ARE TO BE CONCEALED (HEATING, PLUMBING) UNTIL THE PIPING HAS BEEN TESTED.

11. ALL VERTICAL SHAFTS SHALL HAVE A MINIMUM FIRE RATING OF 2 HOURS UNLESS REQUIRED OTHERWISE BY CODES DUE TO OCCUPANCY ADJACENCIES.

12. ALL ELECTRICAL INDICATIONS ON ARCHITECTURAL DRAWINGS ARE FOR LOCATION PURPOSES ONLY.

13. THE CONTRACTOR SHALL COORDINATE OPENINGS IN THE FOUNDATION AND EXISTING WALLS FOR THE INSTALLATION OF CONDUITS AND BOXES FOR ELECTRICAL EQUIPMENT.

14. WHEN MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE THEY SHALL BE DEEMED ACCEPTABLE.

15. FIRE-STOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE-RATED CONSTRUCTION AS PER SPECIFICATIONS. FIRE-STOPPING MATERIALS ARE TO BE APPROPRIATE FOR, AND BE PART OF A LISTED AND LABELED ASSEMBLY IN ACCORDANCE WITH THE REQUIREMENTS OF THE CODE OR HAVE OTC OR NFA APPROVAL.

16. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS OR OTHER ITEMS EXCLUSIVE OF FINISHES.

17. ADDITIONAL NOTES THAT ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.

18. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATION OF ALL NEW WORK ON SITE, AND IMMEDIATELY NOTIFY THE AUTHORITY OF ANY VARIATIONS.

19. ALL DIMENSIONS TO CURBS AND WALLS ARE TO THE EXPOSED FACE. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE FACE.

20. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.

21. ALL DISTURBED AREAS, WHOSE TREATMENT IS NOT OTHERWISE INDICATED, SHALL BE SEEDED AS PER THE SPECIFICATIONS.

22. ARCHITECTURAL COMPONENTS RELATED TO FIRE SEPARATION, AND ALL MEP COMPONENTS SHALL BE FULLY APPROVED BY THE LOCAL BUILDING INSPECTORS PRIOR TO CLOSING WALLS AND CEILINGS WHERE THOSE COMPONENTS WILL BE CONCEALED AT COMPLETION OF CONSTRUCTION.

23. CONSTRUCTION OPERATIONS SHALL BE COORDINATED AT ALL TIMES WITH THE CONSTRUCTION MANAGER AND AUTHORITY'S REPRESENTATIVES.

24. CONTRACTOR SHALL ENSURE THAT ODSRS GENERATED FROM WORK ACTIVITIES ARE MINIMIZED SO OCCUPANTS ARE NOT EFFECTED.

25. CONTRACTOR SHALL PROVIDE A LIFTING AND RIGGING PLAN WITH JOB HAZARD ANALYSIS PRIOR TO THE START OF ANY CONSTRUCTION. RIGGING PLAN TO BE SEALED BY A NYS LICENSED PROFESSIONAL ENGINEER.

26. CONTRACTOR SHALL PREPARE A SCHEDULE AND PHASING PLAN FOR REVIEW AND APPROVAL BY THE CAMPUS AND SUFC.

27. CONTRACTOR SHALL PROVIDE PROTECTION PLAN DESCRIBING MEASURES TO PROTECT ITEMS WITHIN AREA OF WORK TO REMAIN IN PLACE. WALKWAYS AND PEDESTRIANS. THIS PLAN SHALL INCLUDE ALL TEMPORARY PROTECTION, LOCATION OF OBSTRUCTIONS AND SIGNAGE.

28. CONTRACTOR SHALL PROVIDE STORAGE PLAN FOR ITEMS TO BE REMOVED AND REINSTALLED.

29. CONTRACTOR SHALL PROVIDE LIST OF EQUIPMENT BEING USED FOR ONSITE WELDING TO CONFIRM COMPLIANCE WITH MANUFACTURERS WRITTEN INSTALLATION PROCEDURES.

30. PRIOR TO DRILLING, CORING, CUTTING OR DEMOLISHING EXISTING OR PREVIOUSLY INSTALLED SUBSTRATES, SUCH AS CONCRETE AND MASONRY, EMPLOY AN EXPERIENCED FIRM TO INVESTIGATE AND LOCATE ITEMS CONCEALED IN SUBSTRATES THAT MAY BE IMPACTED BY THE WORK. LOCATE ITEMS SUCH AS REINFORCING BARS, TENDONS AND OTHER STRUCTURAL STEEL; CONDUITS, PIPING, DUCTS AND OTHER CONCEALED TRADE WORK; VOIDS, SUBSTRATE TRENCHES, TUNNELS, AND OTHER CONCEALED FEATURES. WITHIN THE SUBSTRATE, LOCATE BY SCANNING EXISTING SUBSTRATES WITH A RADAR SYSTEM HAVING A 3.2 GHZ FREQUENCY. RECORD ALL DISCOVERIES. IF ITEMS ARE CONCEALED, ITEMS ARE DISCOVERED AND AS NEEDED TO COORDINATE WITH NEW WORK, MARK OUT LOCATION OF SUCH ITEMS ON THE SUBSTRATE SURFACES. RECORD AND SAVE ALL ELECTRONIC DATA ACQUIRED DURING THE SCANNING. IF CONDITIONS ARE DISCOVERED THAT OFFER SUBSTANTIALLY FROM THOSE ANTICIPATED, PROVIDE ALL ELECTRONIC DATA TO THE CONSULTANT WITH THE NOTICE REQUIRED BY SECTION 2.12 OF THE AGREEMENT.

31. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY HEATING/COOLING DURING WORK ON BUILDING SYSTEMS.

32. THERE SHALL BE NO USE OF THE ELEVATORS AT THE SMILEY ART BUILDING, UNLESS AUTHORIZED BY THE COLLEGE.

REQUIRED INSPECTIONS:

REQUIRED INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE 2020 NEW YORK STATE BUILDING CODE ARE LISTED IN THE FOLLOWING TABLES.

THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CODE OFFICIAL WHEN WORK IS READY FOR INSPECTION AS WELL AS PROVIDE ACCESS TO AND MEANS TO INSPECT THE WORK.

SPECIFIC INSPECTION REQUIREMENTS FOR ENERGY CODE COMPLIANCE ARE INDICATED ON THE "EN" SERIES DRAWINGS.

THE AUTHORITY SHALL BE RESPONSIBLE FOR THE FOLLOWING REQUIRED INSPECTIONS:

SPECIAL INSPECTIONS:

REQUIRED INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE 2020 NEW YORK STATE BUILDING CODE ARE LISTED IN THE FOLLOWING TABLES:

THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CODE OFFICIAL WHEN WORK IS READY FOR INSPECTION AS WELL AS PROVIDE ACCESS TO AND MEANS TO INSPECT THE WORK.

THE AUTHORITY SHALL BE RESPONSIBLE FOR THE FOLLOWING REQUIRED INSPECTIONS:

WIND-RESISTING COMPONENTS	2020 NYCBC 1706.11.3
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2020 NEW YORK STATE BUILDING CODE NOTES:

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT.

1. WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE AND EXECUTION OF THE WORK. NEW YORK AT EXISTING BUILDINGS SHALL BE IN ACCORDANCE WITH THE 2020 NEW YORK STATE BUILDING CODE. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE AUTHORITY OF ANY PORTIONS OF THE WORK IN THE CONTRACT DOCUMENTS THAT ARE AT VARIANCE WITH THE ABOVE.
2. THE FIRE-RESISTANCE RATING OF BUILDING ELEMENTS, COMPONENTS OR ASSEMBLIES SHALL BE DETERMINE IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E 119 OR U. 263 OR IN ACCORDANCE WITH SECTION 703.3, WHERE MATERIALS, SYSTEMS OR DEVICES THAT HAVE NOT BEEN TESTED AS PART OF A FIRE-RESISTANCE-RATED ASSEMBLY ARE INCORPORATED INTO THE BUILDING ELEMENT, COMPONENT OR ASSEMBLY. SUFFICIENT DATA SHALL BE MADE AVAILABLE TO THE COMMISSIONER TO SHOW THAT THE REQUIRED FIRE-RESISTANCE RATING IS NOT REDUCED. MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS AND PENETRATIONS IN FIRE-RESISTANCE-RATED BUILDING ELEMENTS, COMPONENTS OR ASSEMBLIES SHALL NOT REDUCE THE REQUIRED FIRE-RESISTANCE RATING.
3. THE CONTRACTOR'S LICENSED PROFESSIONAL IS RESPONSIBLE FOR FILING APPLICATION AND OBTAINING PERMITS FOR SCAFFOLDING, SIDEWALK BRIDGING, ANY OTHER CONSTRUCTION EQUIPMENT OR PUBLIC UTILITY REQUIRED TO MAINTAIN THE SAFETY OF OPERATION AND THE PUBLIC AS PER NEW YORK STATE BUILDING CODE, CHAPTER 33. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING LETTER OF COMPLETION.
4. FOLLOW CHAPTER 33 OF THE 2020 NEW YORK STATE BUILDING CODE FOR PROTECTION OF THE PUBLIC AND ADJACENT PROPERTIES.
5. THESE DRAWINGS HAVE BEEN PREPARED BY OR AT THE DIRECTION OF THE UNDERSIGNED AND TO THE BEST OF THE UNDERSIGNED'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT ARE IN COMPLIANCE WITH THE NEW YORK STATE BUILDING CODE FOR EXISTING BUILDINGS, THE NEW YORK STATE BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CODE.
6. ALL NEW WORK SHALL COMPLY WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE.
7. ALL NEW INTERIOR FINISHES SHALL BE CONSTRUCTED OF MATERIALS MEETING CHAPTER 27 OF THE 2020 NEW YORK STATE BUILDING CODE FOR FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS.
8. EMERGENCY POWER, IF REQUIRED, UNDER THIS CONTRACT SHALL BE INSTALLED AS PER SECTION 2702.2.
9. IN ACCORDANCE WITH SECTION 110.6 OF THE 2020 NYBC, CONSTRUCTION OR WORK FOR WHICH A PERMIT IS REQUIRED SHALL BE SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL AND SUCH CONSTRUCTION OR WORK SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE CODE OFFICIAL.
10. REQUIRED INSPECTIONS PERFORMED DURING CONSTRUCTION FOR ANY NEW BUILDING, ADDITION OR ALTERATION PROJECT ARE IDENTIFIED BY THE APPLICANT ACCORDING TO THE SCOPE OF WORK AND LISTED AND DESCRIBED IN THE DRAWINGS. IN MATERIALS WITH SECTION 108.6 WHERE AN INSPECTION OR TEST FAILS, THE CONSTRUCTION SHALL BE CORRECTED.
11. FIRE RATED DOOR AND FRAME ASSEMBLIES SHALL BE LABELED BY AN APPROVED AGENCY. THE LABELS SHALL COMPLY WITH NFPA 800 AND SHALL BE PERMANENTLY AFFIXED TO THE DOOR AND FRAME AS PER SECTION BC 716.5 OF THE 2020 NEW YORK STATE BUILDING CODE.
12. THE CONTRACTOR SHALL NOT MAKE CONNECTIONS FROM A UTILITY, SOURCE OF ENERGY, FUEL, OR POWER TO ANY BUILDING OR SYSTEM THAT IS REGULATED BY THE 2020 NEW YORK STATE BUILDING CODE FOR EXISTING BUILDINGS FOR WHICH A PERMIT IS REQUIRED, UNTIL APPROVED BY THE CODE OFFICIAL.
13. THE CODE OFFICIAL SHALL HAVE THE AUTHORITY TO AUTHORIZE THE TEMPORARY CONNECTION OF THE BUILDING OR SYSTEM TO THE UTILITY SOURCE OF ENERGY, FUEL OR POWER.
14. IT SHALL BE UNLAWFUL ALTER A BUILDING OR STRUCTURE IN A MANNER THAT WILL REDUCE THE NUMBER OF EXITS OR THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE MEANS OF EGRESS TO LESS THAN REQUIRED BY CODE.
15. MEANS OF EGRESS SHALL BE MAINTAINED IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.
16. FIRE SAFETY AND EVACUATION PLANS PROVIDED FOR ALL OCCUPANCIES AND BUILDINGS REQUIRED BY THE INTERNATIONAL FIRE CODE.

FINE ARTS BUILDING

LOCATION OF DUMPS AND CHUTE FOR PHASE 3A

LOCATION OF STAIR SCAFFOLDING FOR PHASE 3A ROOF ACCESS

GRASS

GRASS

ROOF R4

PHASE 3E

ROOF R6

PHASE 3A

ROOF R7

PHASE 3B

ROOF R8

PHASE 3C

GRASS

LOCATION OF STAIR SCAFFOLDING FOR PHASE 2 THRU 4 FOR ROOF ACCESS

EGRESS FROM EXISTING BUILDING SHALL NOT BE DISTURBED DURING WORK REFER TO DRAWING T003 FOR LOCATION OF ALL EGRESS DOORS.

CAPPEN HALL




STUDENT UNION PLAZA

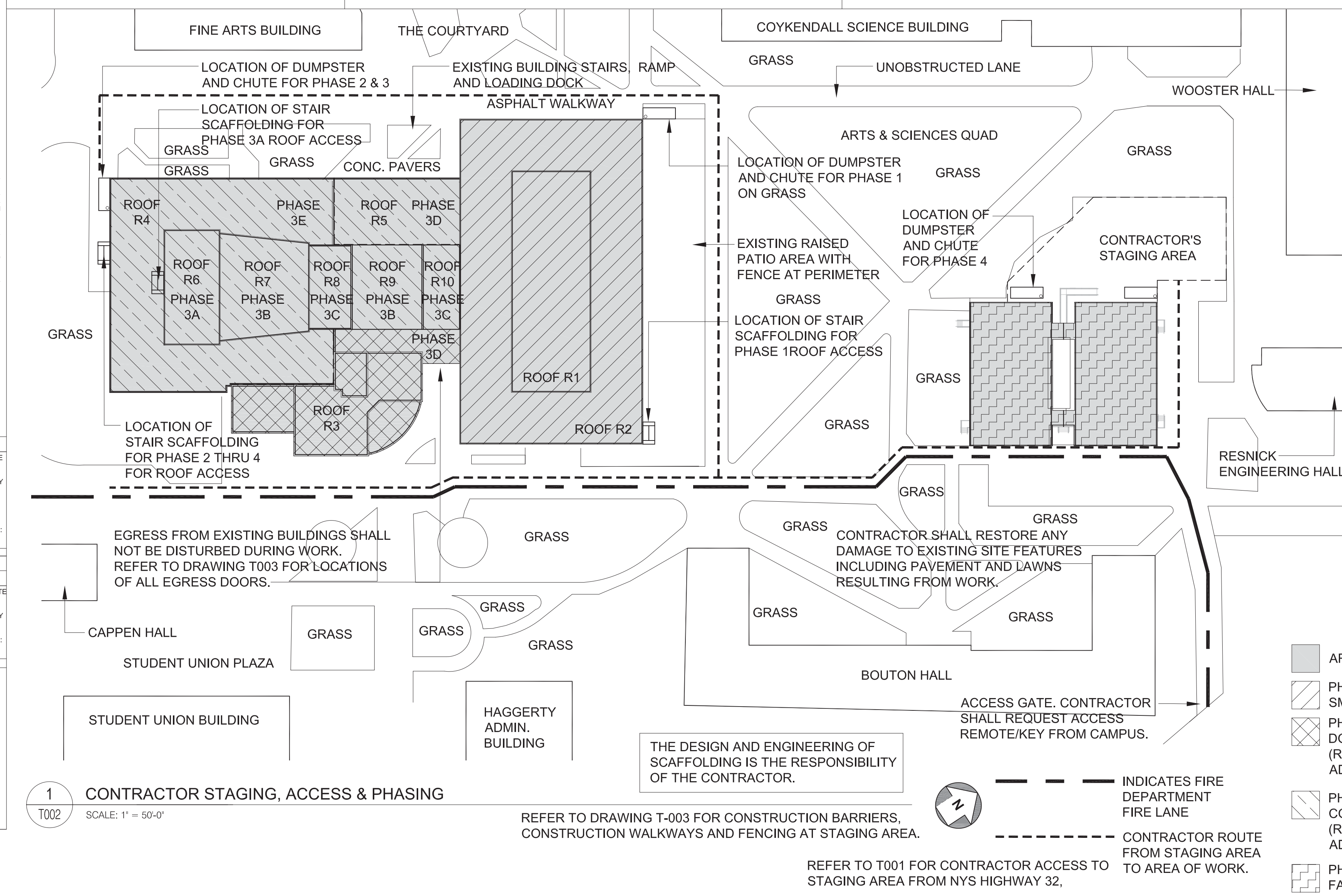
OCCUPANCY CLASSIFICATION - OCCUPANCY B (BUSINESS) PER THE 2020 NEW YORK STATE BUILDING CODE	
ALTERNATIVE LEVEL 2 AS PER SECTION 504.1 AND CHAPTER 8 OF THE 2020 NYSCB FOR EXISTING BUILDINGS.	
ALL NEW CONSTRUCTION WORK TO BE COMPLETED UNDER THIS APPLICATION HAS BEEN DESIGNED TO COMPLY WITH THE 2020 NEW YORK STATE BUILDING CODE.	
THERE SHALL BE NO CHANGE RESULTANT FROM THIS CONTRACT TO EXIT AND EXIT ACCESS REQUIREMENTS OF EXISTING BUILDINGS.	
RISK CATEGORY III AS PER TABLE 1604.5 OF THE 2020 NYSCB.	
DESIGN WIND UPLIFT-RESISTANCE CAPACITY:	
ROOF AREA FIELD:	31.1psf
ROOF AREA PERIMETER:	52.2psf
ROOF AREA AT CORNERS:	75.5psf
WIND LOAD DESIGN FOR PERIMETER EDGE METAL:	
ROOF EDGE PERIMETER, VERTICAL LOAD DIRECTION:	52.2psf
ROOF EDGE CORNERS, VERTICAL LOAD DIRECTION:	75.5psf
WALL EDGE PERIMETER, HORIZONTAL DIRECTION:	33.7psf
WALL EDGE CORNERS, HORIZONTAL LOAD DIRECTION:	41.6psf
PHASING OF WORK:	
PRIOR TO WORK THE CONTRACTOR SHALL CONSTRUCT ALL SCAFFOLDING AND PEDESTRIAN PROTECTION. THE STAGING AREA FENCING SHALL BE IN PLACE.	
THE FOLLOWING IS THE REVIEWED AND APPROVED PHASING PLAN BY THE CAMPUS. THE CONSULTANT IS NOT RESPONSIBLE FOR THE PHASING, SEQUENCE OR MEANS AND METHODS OF THE WORK. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE AND PHASING PLAN INCLUDING SEQUENCING FOR REVIEW AND APPROVAL BY THE SUFC AND CAMPUS. AT THE COMPLETION OF	
IN PHASE 1:	COMPLETE ALL WORK AT THE SMILEY ARTS ROOF'S (ROOF R1 & R2).
IN PHASE 2:	REMOVE CONSTRUCTION BARRIERS, OVERHEAD PROTECTION AND SCAFFOLDING NO LONGER REQUIRED AROUND PHASE 1. COMPLETE ALL WORK AT THE DORSKY MUSEUM WITH THE EXCEPTION OF THE LOWEST ROOF.
IN PHASE 3:	THIS PHASE IS BROKEN UP ACCORDINGLY: PHASE 3A: THIS PHASE INCLUDES ALL WORK AT THE THEATRE FLY ROOF (ROOF R6). REMOVE SCAFFOLDING TO ROOF R6 FOLLOWING THE COMPLETION OF WORK. PHASE 3B: COMPLETE ALL WORK AT ROOF R7 & R9. PHASE 3C: COMPLETE WORK AT ROOF R8 & R10. THIS PHASE INCLUDES TEMPORARY MECHANICAL UNITS ASSOCIATED WITH THE REPLACEMENT OF ROOF TOP UNITS. PHASE 3D: COMPLETE THE REMAINING WORK AT THE LOWEST ROOF AT THE DORSKY MUSEUM AND ROOF R5. PHASE 3E: COMPLETE ALL WORK AT ROOF R4. PHASE 3F: REMOVE CONSTRUCTION BARRIERS, OVERHEAD PROTECTION AND SCAFFOLDING NO LONGER REQUIRED AROUND PHASE 1-3. INSTALL CONSTRUCTION FENCING AT FACULTY OFFICE BUILDING IN PREPARATION FOR PHASE 4. PHASE 4: COMPLETE ALL WORK AT THE FACULTY OFFICE BUILDING.

The diagram illustrates the project site layout. Key features include:

- COURTYARD**: Located at the top left of the main building complex.
- EXISTING BUILDING STAIRS AND LOADING DOCK**: Situated between the courtyard and the main building footprint.
- RAMP**: Located to the right of the loading dock area.
- CONC. PAVERS**: Indicated near the bottom left corner of the main building footprint.
- ASPHALT WALKWAY**: A dashed-line boundary encircling the central building footprint.
- Building Footprints**: Labeled with roof identifiers: **ROOF R5**, **ROOF R9**, **ROOF R10**, **ROOF R1**, **ROOF R2**, **PHASE 3B**, **PHASE 3C**, **PHASE 3D**.
- Grass Areas**: Multiple regions labeled "GRASS" are shown around the perimeter of the site.
- Other Labels**: "COYKENDAL" appears at the top right, "LOCATION OF D... AND CHUTE FO... ON GRASS" is on the right side, and "EXISTING RAISED PATIO AREA WITH FENCE AT PER..." is also on the right.

<p>ENERGY CODE COMPLIANCE:</p> <p>TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE.</p> <p>SUMMARY OF WORK:</p> <p>WORK SHALL BE AS SHOWN AND CALLED FOR IN THE CONTRACT DOCUMENTS AND SHALL INCLUDE, THE FOLLOWING GENERAL ITEMS OF WORK.</p> <ul style="list-style-type: none"> THE SCOPE OF WORK INCLUDES A COMPLETE ROOF REPLACEMENT OF THE SMILEY ARTS BUILDING (35,000 GSF), COLLEGE THEATRE (25,200 GSF), DORSKY MUSEUM (8,400 GSF) AND FACULTY OFFICE BUILDING (10,812 GSF). ALL BUILDINGS WILL BE OCCUPIED DURING THE WORK. <p>FACULTY OFFICE BUILDING INCLUDE THE FOLLOWING:</p> <ul style="list-style-type: none"> REMOVE EXISTING BUILT-UP EPDM ROOFING SYSTEM. FOR ESTIMATING PURPOSES, ASSUME FIFTY PERCENT OF THE STRUCTURAL SHEATHING WILL REQUIRE REPLACEMENT. PROVIDE A NEW TPO MEMBRANE (GRAY) TAPERED INSULATION SYSTEM, INCLUDING REQUIRED INSULATION ACROSS THE ENTIRE DECK AND ADDITIONAL WOOD BLOCKING AS REQUIRED. PROVIDE YELLOW CAUTION LINE 6 FEET FROM OPEN ROOF EDGE. INTRODUCE A TAPERED INSULATION SYSTEM TO ELIMINATE PONDING. PROVIDE REQUIRED INSULATION ABOVE ENTIRE DECK, INCLUDING WOOD BLOCKING AND FLASHING. REPLACE ALL ALUMINUM EDGE FLASHING. REPLACE EDGE SCUPPERS, PROPERLY DETAILED, AND INCORPORATE INTO GUTTER SYSTEM. THERE ARE (4) LARGE HVAC UNITS ON ROOF CURBS ON EACH OF THE TWO BUILDINGS. DISCONNECT AND REMOVE THE UNITS, REPLACE ROOFING AND RE-SET UNITS ON NEW CURBS. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR SCOPE OF WORK. REMOVE AND REPLACE FOUR SKYLIGHTS AND CURBS IN KIND. REMOVE AND REPLACE EXISTING WALKS (REMOVE BUNGLES AND REPLACE WITH METAL, STANDING SEAM ROOF. PROVIDE WALKWAY PADS AT RAILES OF THE TWO ROOFS (4 LOCATIONS) FOR PROTECTION FROM ICE. PROVIDE WALKWAY PADS TO AND AROUND EACH VENTILATING UNIT, ALL 4 SIDES. <p>SMILEY ARTS BUILDING INCLUDE THE FOLLOWING:</p> <ul style="list-style-type: none"> REMOVE EXISTING BUILT-UP EPDM ROOFING SYSTEM. PROVIDE A NEW TPO MEMBRANE (GRAY) TAPERED INSULATION SYSTEM, INCLUDING REQUIRED INSULATION ACROSS THE ENTIRE DECK AND ADDITIONAL WOOD BLOCKING AS REQUIRED. PROVIDE YELLOW CAUTION LINE 6 FEET FROM OPEN ROOF EDGE. REPLACE ROOF EDGE FLASHING AT LOWER AND UPPER ROOF. REPLACE COPPER COUNTER FLASHING AROUND THE PERIMETER OF THE PENTHOUSE (ASSUME COUNTER FLASHING HAS BEEN SET IN A BED OF ASBESTOS MASTIC). CUT BOTTOM OF EXISTING COPPER SIDING AROUND PENTHOUSE TO ACCOMMODATE NEW ROOFING SYSTEM. PROVIDE TREATED TPO TO ATTACH TO BASE OF PENTHOUSE TO ALLOW FOR NEW ROOFING TERMINATION AND FLASHING TO EXISTING COPPER SIDING. PROVIDE NEW BRONZE TERMINATION RINGS AND METAL DOWELS AT FOURTEEN (14) EXISTING ROOF DRAINS AND COORDINATE WITH NEW ROOFING SYSTEM. DISCONNECT AND REINSTALL TWO (2) LARGE HVAC UNITS ON NEW ROOF CURBS. THERE ARE APPROXIMATELY THIRTEEN (13) SMALL VENTILATION FANS AND SIX (6) LARGE GOSNEXX FANS TO BE REMOVED AND SLAB REPAIRED FOR ROOFING. REMOVE AND REPLACE SKYLIGHTS (19), WITH NEW INSULATED CURBS. ELEVEN (11) ARE 4'X4', TWO (2) ARE 3'X3' AND SIX (6) ARE 2'X2'. PROVIDE WALKWAY WORK PADS TO AND AROUND EACH ROOF TOP UNIT, 4 SIDES. REPLACE THE TWO EXISTING ROOF ACCESS DOORS WITH NEW HOLLOW METAL DOORS IN EXISTING FRAMES, RAISE THE DOOR THRESHOLDS TO ACCOMMODATE THE NEW INSULATION THICKNESS AND REQUIRED R-ROOF SYSTEM TERMINATION. <p>COLLEGE THEATRE INCLUDE THE FOLLOWING:</p> <ul style="list-style-type: none"> REMOVE EXISTING BUILT-UP EPDM ROOFING SYSTEM. PROVIDE A NEW TPO MEMBRANE (GRAY) TAPERED INSULATION SYSTEM, INCLUDING REQUIRED INSULATION ACROSS THE ENTIRE DECK AND ADDITIONAL WOOD BLOCKING AS REQUIRED. PROVIDE YELLOW CAUTION LINE 6 FEET FROM OPEN ROOF EDGE. REPLACE COPPER EDGE FLASHING AT ALL ROOFS. DISCONNECT TWO (2) LARGE HVAC UNITS AT "R6" AND "R17". REPLACE WITH NEW UNITS IN KIND ON NEW ROOF CURBS. REFER TO MECHANICAL DRAWINGS FOR INFORMATION ON THE TEMPORARY UNIT REQUIRED DURING WORK. INSTALL NEW BUILDING EXPANSION JOINT BETWEEN ROOFS "R5" AND "R6". AT AREA "R6": REMOVE (19) EXISTING 6"X8" SKYLIGHT ASSEMBLIES AND REPLACE IN KIND ON EXISTING CURBS. AT AREA "R5": REPLACE THE EXISTING HOLLOW METAL DOOR ON THE WEST ELEVATION AND PROVIDE A NEW METAL STAIR AND FLASH INTO THE NEW ROOF SYSTEM. THE STAIR IS APPROXIMATELY +30" INCHES IN HEIGHT. AT AREA "R7": THERE ARE TWO LARGE 5'X12" SMOKE VENTS TO BE REMOVED AND REPLACED IN KIND ON NEW CURBS. REMOVE AND REPLACE IN KIND FOUR (4) ROOF DRAINS AND ONE (1) ROOF HATCH. PROVIDE ANCHOR POINT FALL PROTECTION FOR MAINTENANCE OF EQUIPMENT AND DRAINS. AT AREA "R8": REMOVE HATCH AND CURB SHALL BE REMOVED. PROVIDE NEW ROOF HATCH AND CURB. AT AREA "R9": REPLACE THE EXISTING 3'X3' FOOT SKYLIGHTS (6 IN TOTAL) WITH NEW INSULATED CURBS AND SKYLIGHTS. THE EXISTING COUNTER FLASHING SHALL BE REMOVED AND REPLACED TO ACCOMMODATE NEW INSULATION AT THESE AREAS. PROVIDE WALKWAY PADS ACROSS THE AREA. PROVIDE ROOF LADDER TO ACCESS ROOF LEVEL "R9" APPROXIMATELY 10 FEET HIGH. AT AREA "R7": THE SMOKE HATCH AND CURB SHALL BE REMOVED. PROVIDE NEW SMOKE HATCH AND INSULATED CURB. AT AREA "R17": REPLACE TWO (2) 3'X3' SKYLIGHTS WITH NEW INSULATED CURBS. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR SCOPE OF WORK. <p>DORSKY MUSEUM INCLUDE THE FOLLOWING:</p> <ul style="list-style-type: none"> REMOVE EXISTING BUILT-UP EPDM ROOFING SYSTEM. PROVIDE A NEW TPO MEMBRANE (GRAY) TAPERED INSULATION SYSTEM, INCLUDING REQUIRED INSULATION ACROSS THE ENTIRE DECK AND ADDITIONAL WOOD BLOCKING AS REQUIRED. PROVIDE YELLOW CAUTION LINE 6 FEET FROM OPEN ROOF EDGE. REPLACE PAINTED ALUMINUM EDGE FLASHING AT ALL ROOFS. RETIROVEN SEVEN (7) ROOF DRAINS AND FOUR (4) SCUPPERS. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR SCOPE OF WORK. PROVIDE A ROOF LADDER FROM ROOF SECTION "R3B" TO ROOF SECTION "R3C" TO ACCESS THE ROOF DRAIN FOR MAINTENANCE. ASSUME 15 FEET IN HEIGHT. PROVIDE ANCHOR POINT FALL PROTECTION AT ROOF LEVEL "R3C" ROOF DRAIN. REMOVE AND REPLACE IN KIND FOUR (4) SKYLIGHT WINDOWS LOCATED ON ROOF "R3B" ON EXISTING CURBS. <p>ALL WORK AT THE EXISTING BUILDINGS WILL COMPLY WITH THE 2020 EXISTING BUILDING CODE OF NY STATE AND SUPC DIRECTIVES AND DESIGN GUIDELINES. THE CURRENT 2020 CODE INCLUDES ILC A17.1-1.2009 FOR ACCESSIBLE AND USABLE BUILDINGS.</p>	<p>UNOBTSTRUCT LANE</p> <p>WOOSTER HALL</p> <p>ARTS & SCIENCES QUAD</p> <p>DUMPSTER FOR PHASE 1</p> <p>GRASS</p> <p>LOCATION OF DUMPSTER AND CHUTE FOR PHASE 4</p> <p>CONTRACTOR'S STAGING AREA</p> <p>RESNICK ENGINEERING HALL</p> <p>BOUTON HALL</p>
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	<div></div>
	PROGRAM UNIT:
	<div><div><p>MISA MDSzerbatty Associates Architecture LLC 307 Seventh Avenue New York NY 10011 P 212 352 3300 F 212 352 8258 mdsas.com</p></div><div><p>MDSZERBATTY ASSOCIATES ARCHITECTURE 307 7th AVENUE 15th FLOOR NEW YORK, NY 10001 TEL: 212.352.3307</p></div><div><p>IAQ SYSTEMS INC. Consulting Engineers</p></div><div><p>IAQ SYSTEMS INC. CONSULTING ENGINEERS 555 8th AVENUE, SUITE 1502 NEW YORK, NY 10018 TEL: 212.680.8945</p></div></div>



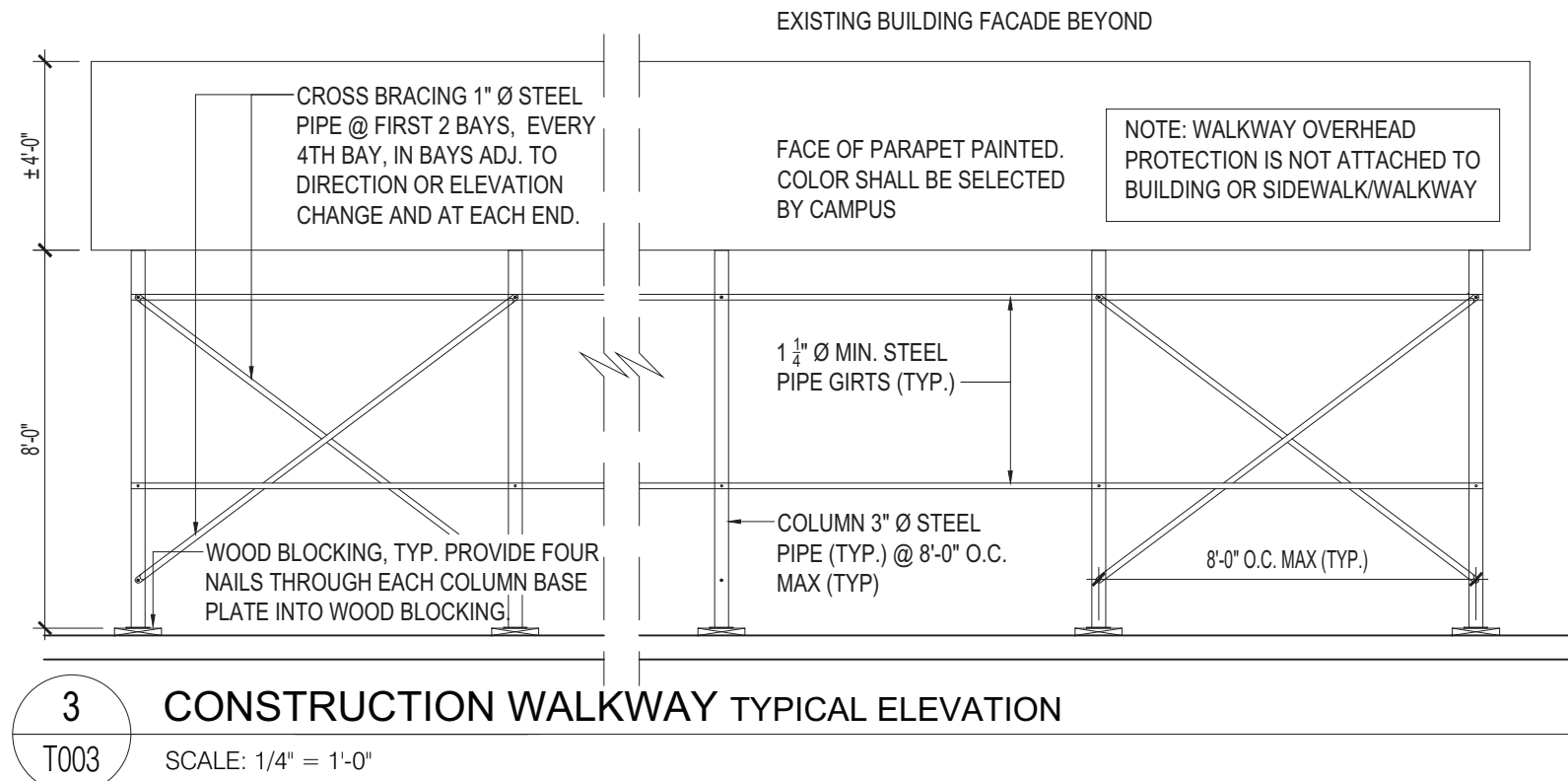
CONSTRUCTION WALKWAY NOTES			
ITEM	SPEC.	SIZE	SPACING
DECKING	DOUG. FIR CONST. GR. 900 PSI MIN.	2" NOMINAL THICKNESS	CONTINUOUS
PARAPET	EXTERIOR GRADE PLYWOOD	4'-0" x 8'-0" x 3/4" THICK	CONTINUOUS
END PROTECTION & CATCHALLS	EXTERIOR GRADE PLYWOOD OR WIRE SCREEN	4'-0" x 8'-0" x 3/4" THICK PLYWOOD OR 16 GA. WIRE SCREEN W/ 1/2" MESH	CONTINUOUS
SILL	DOUGLAS FIR BLOCK	(2) 8" x 8" x 2" THICK NOMINAL	@ 8'-0" O.C. TYP.
PLANK	DOUGLAS FIR PLANK	MIN. 2" THICK x 8'-0" LONG	CONTINUOUS
METAL DECK	24 GA. CORRUGATED GALV. STEEL	RIBS 7" DEEP	CONTINUOUS
WIRE SCREEN	16 GA. WIRE SCREEN	1/2"	CONTINUOUS

THE CONTRACTOR'S LICENSED PROFESSIONAL IS RESPONSIBLE FOR FILING APPLICATION AND OBTAINING PERMITS FOR SCAFFOLDING, SIDEWALK BRIDGING, ANY OTHER CONSTRUCTION EQUIPMENT OR PUBLIC PROTECTIVES REQUIRED TO ENSURE SAFETY OF OPERATION AND THE PUBLIC AS PER NEW YORK STATE BUILDING CODE, CHAPTER 33. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING LETTER OF COMPLETION.

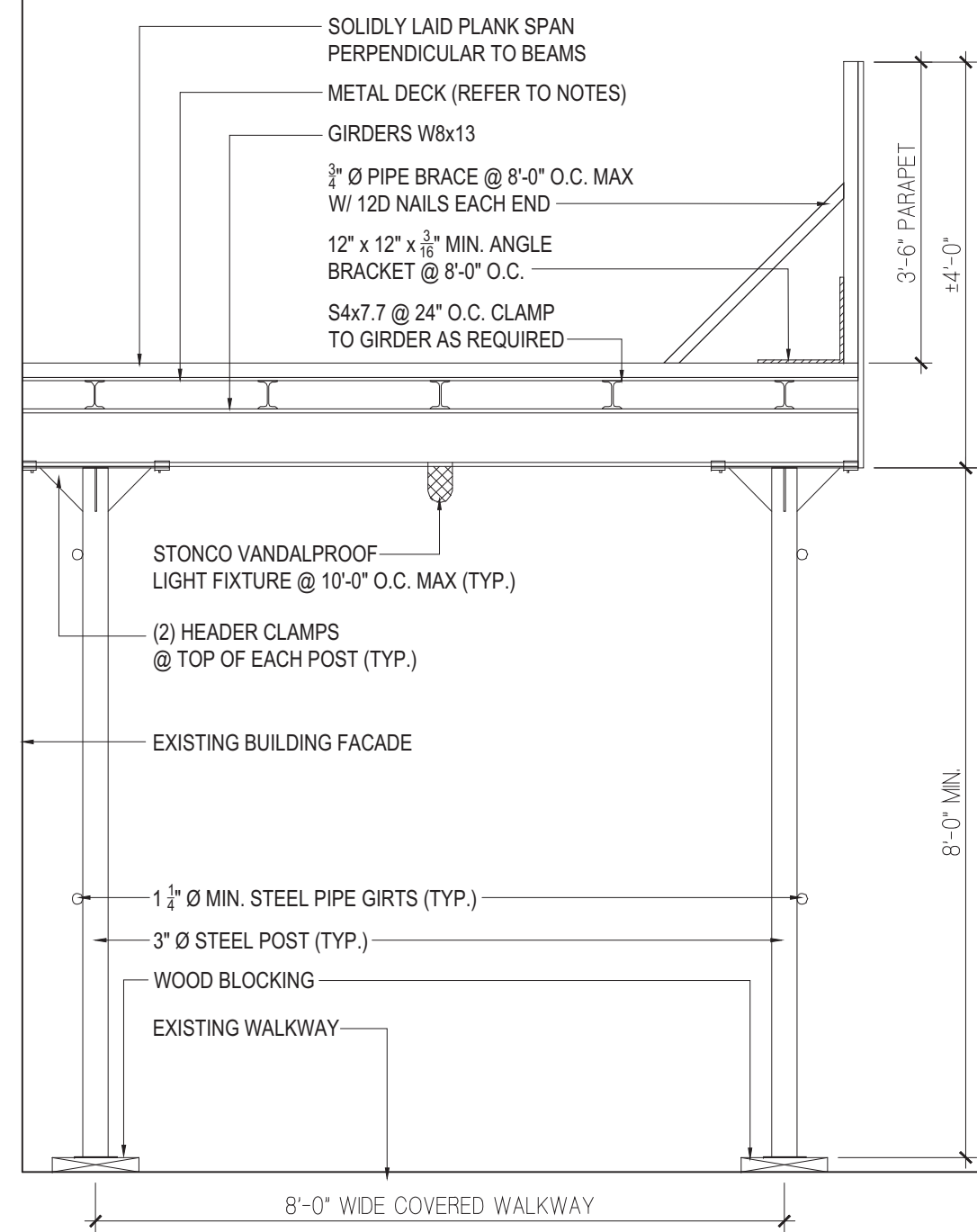
FOLLOW CHAPTER 33 OF THE 2020 NEW YORK STATE BUILDING CODE FOR PROTECTION OF THE PUBLIC AND ADJACENT PROPERTIES.



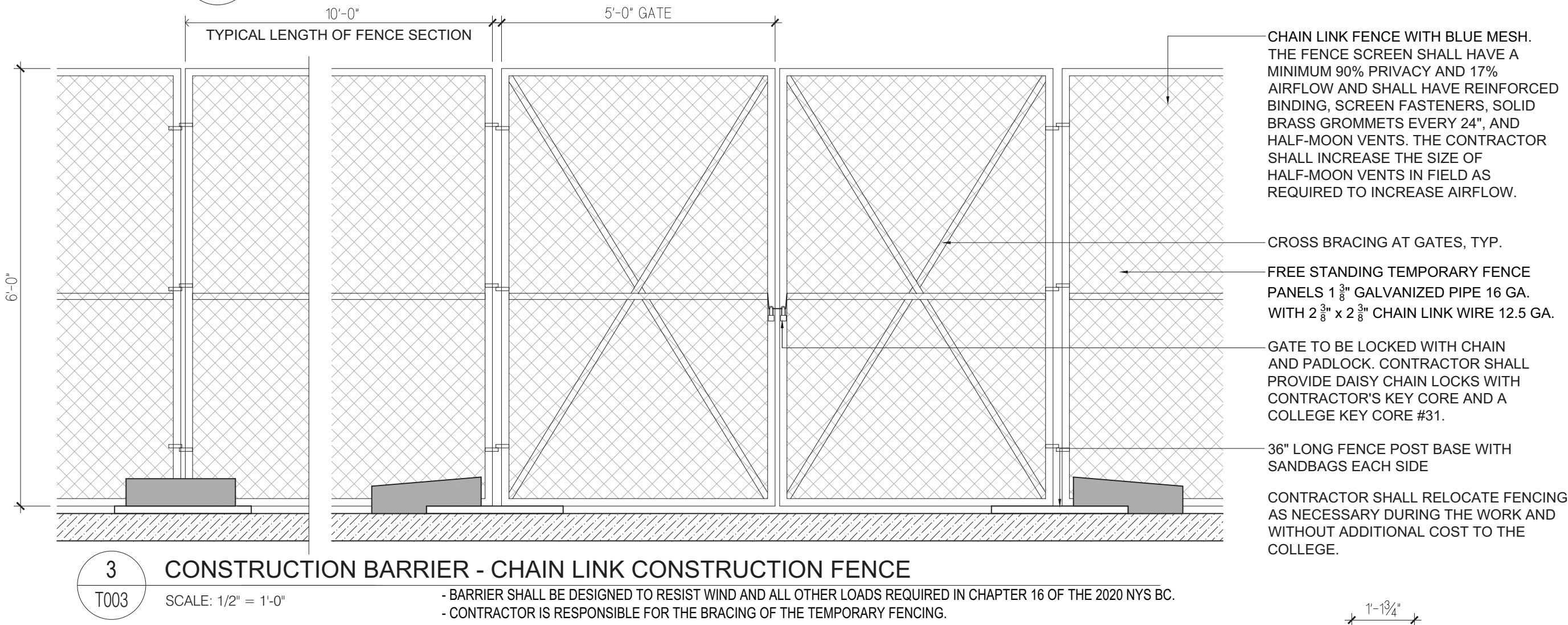
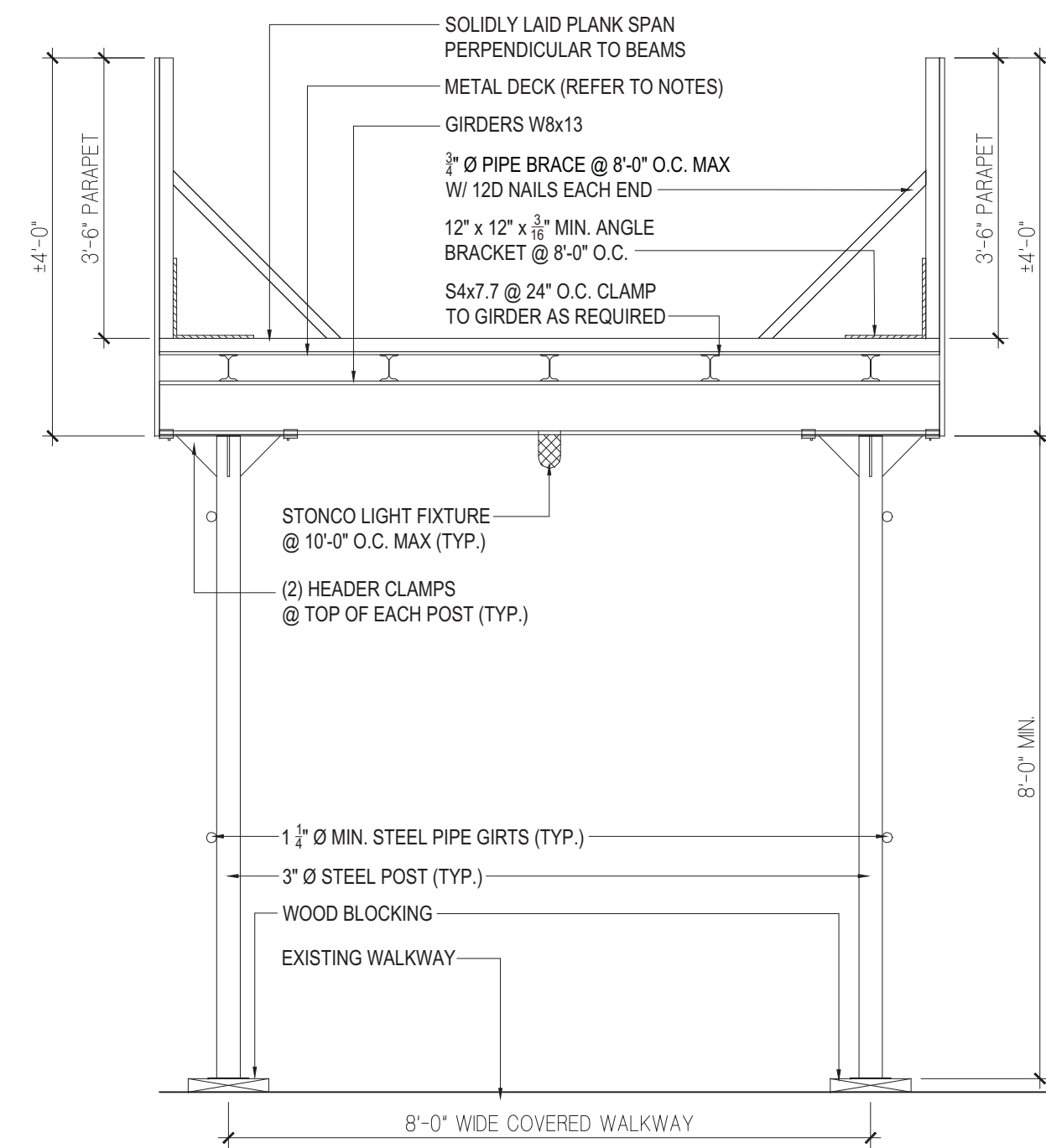
1
T003
CONSTRUCTION BARRIER AND COVERED WALKWAYS AT SMILEY ARTS, COLLEGE THEATRE AND DORSKY MUSEUM
SCALE: 1/32" = 1'-0"



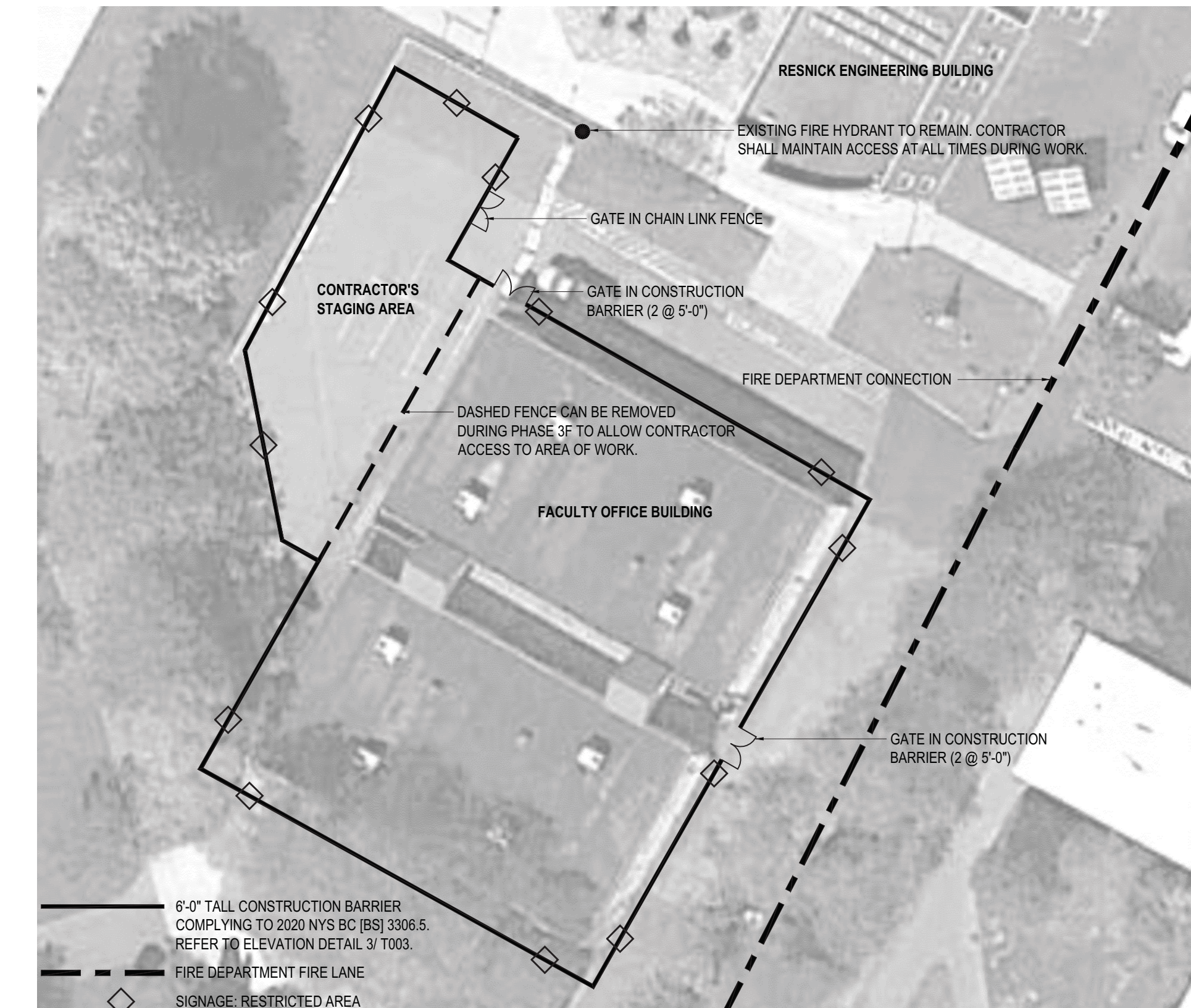
3
T003
CONSTRUCTION WALKWAY TYPICAL ELEVATION
SCALE: 1/4" = 1'-0"



3
T003
CONSTRUCTION WALKWAY SECTIONS
SCALE: 1/2" = 1'-0"



3
T003
CONSTRUCTION BARRIER - CHAIN LINK CONSTRUCTION FENCE
SCALE: 1/2" = 1'-0"



2
T003
CONSTRUCTION BARRIER AND STAGING AREA AT FACULTY OFFICE BUILDING
SCALE: 1/32" = 1'-0"

THE WORK SHOWN ON T003 IS FOR REFERENCE ONLY. THE INFORMATION HEREIN SHALL BE USED TO GUIDE THE CONTRACTOR'S NYS LICENSED SITE SAFETY ENGINEER IN PROVIDING A SITE SAFETY PLAN COMPLYING WITH CHAPTER 33 OF THE 2020 NYS BC. THE SIGNED AND SEALED SITE SAFETY PLAN SHALL BE REVIEW AND APPROVED BY THE CAMPUS AND SUFC. THE CONSULTANT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION TO THE WORK.

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Building:

SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING

County of:

ULSTER

Project No.:

081047-00

Contract Title:

ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.:

081047-00

Drawing Title:

CONSTRUCTION BARRIERS,
WALKWAYS AND STAGING
AREA FENCING

Seal & Signature:

Drawn By:

John O'Connor

Checked By:

Date:

JANUARY 8, 2021

Scale:

AS NOTED

Drawing No.:

T003.00

Sheet

3 of 47



PROGRAM UNIT:



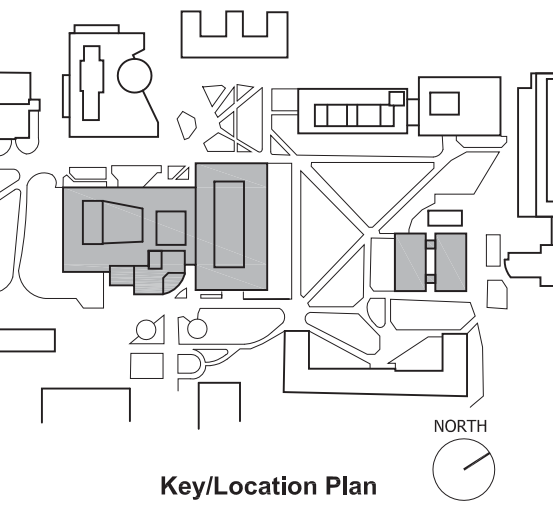
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SMILEY ARTS BUILDING,
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FACULTY OFFICE BUILDING

County of:
ULSTER
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Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
SMILEY ARTS BUILDING
REFERENCE SHEET 1 OF 2

Seal & Signature:



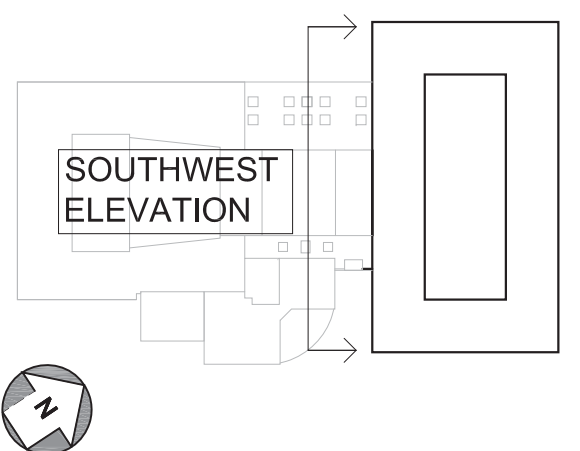
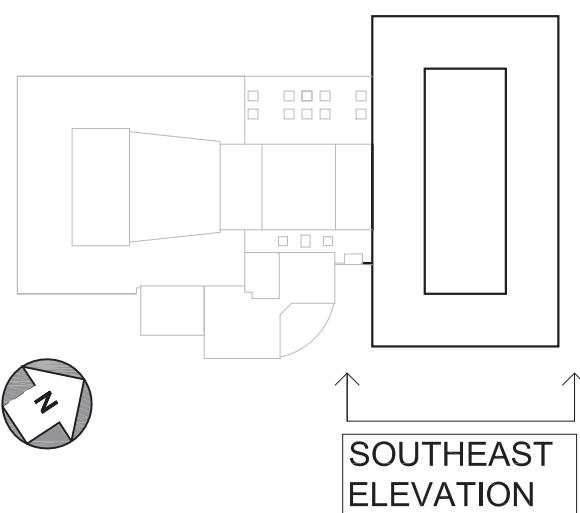
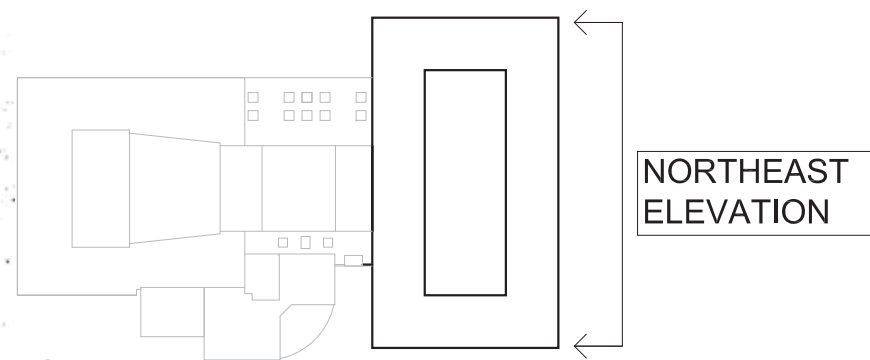
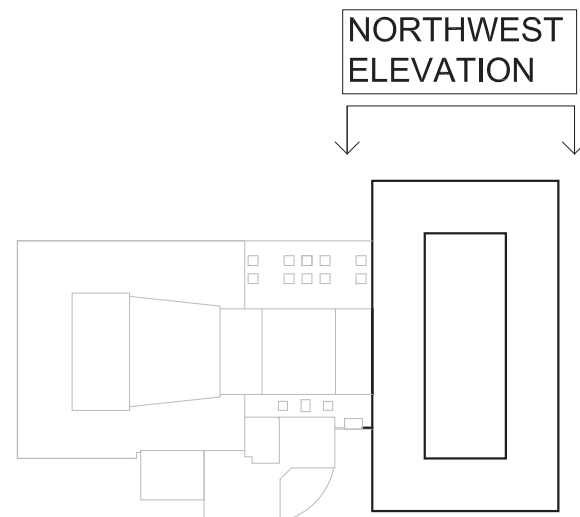
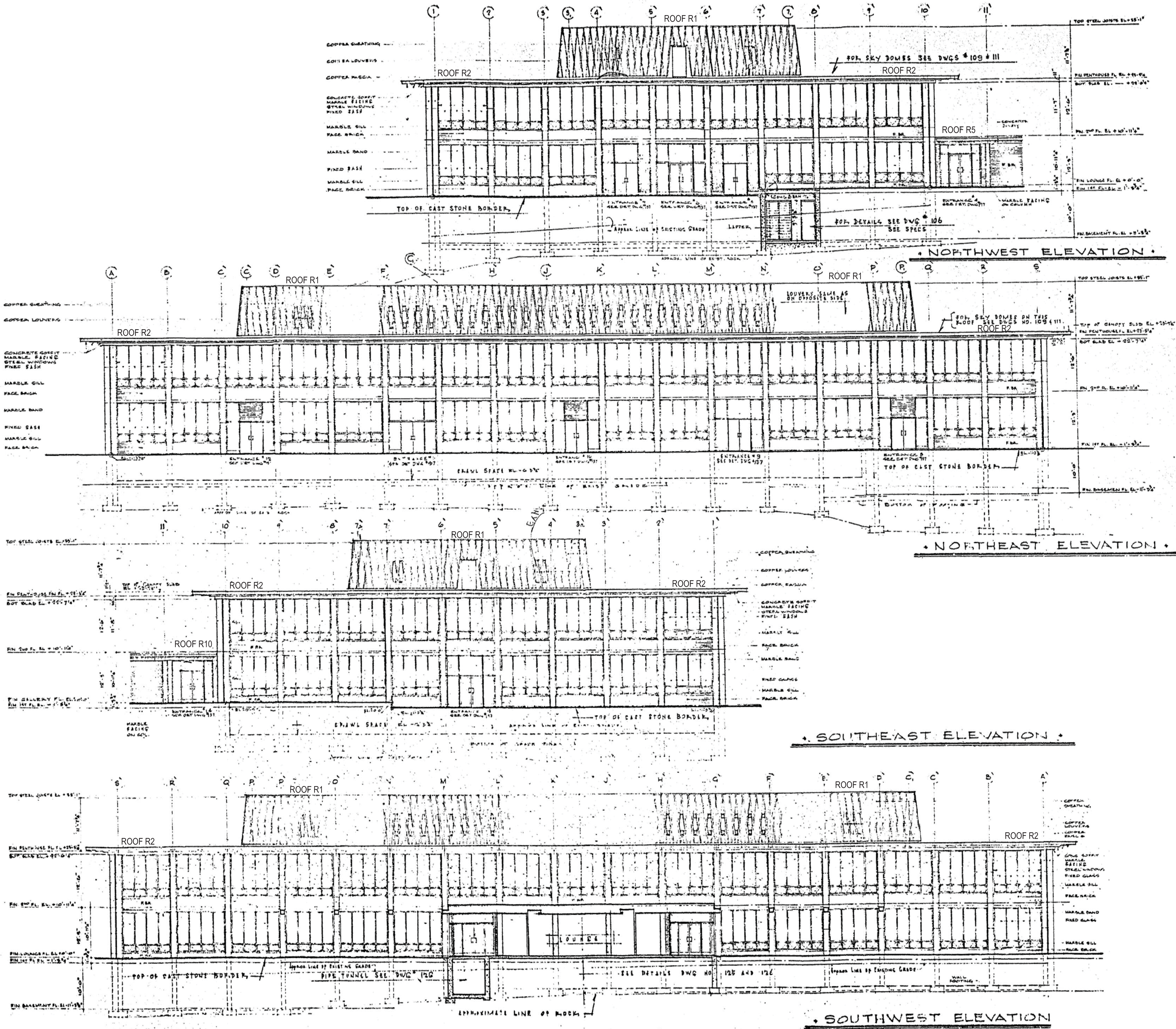
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Checked By: JOHN O'CONNOR
Date: JANUARY 8, 2021
Scale: AS NOTED

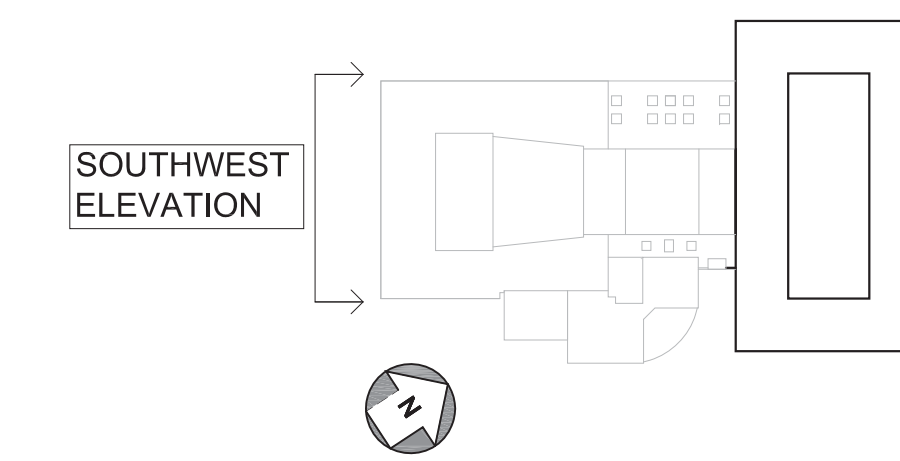
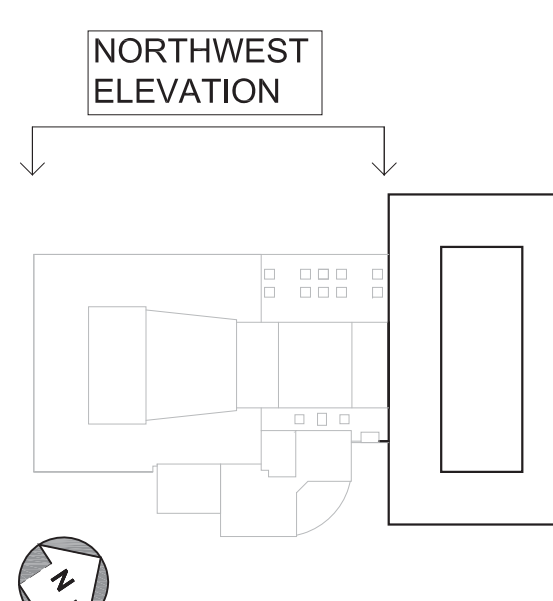
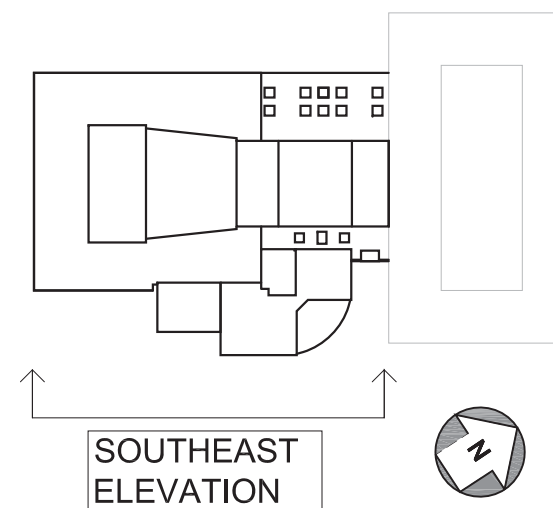
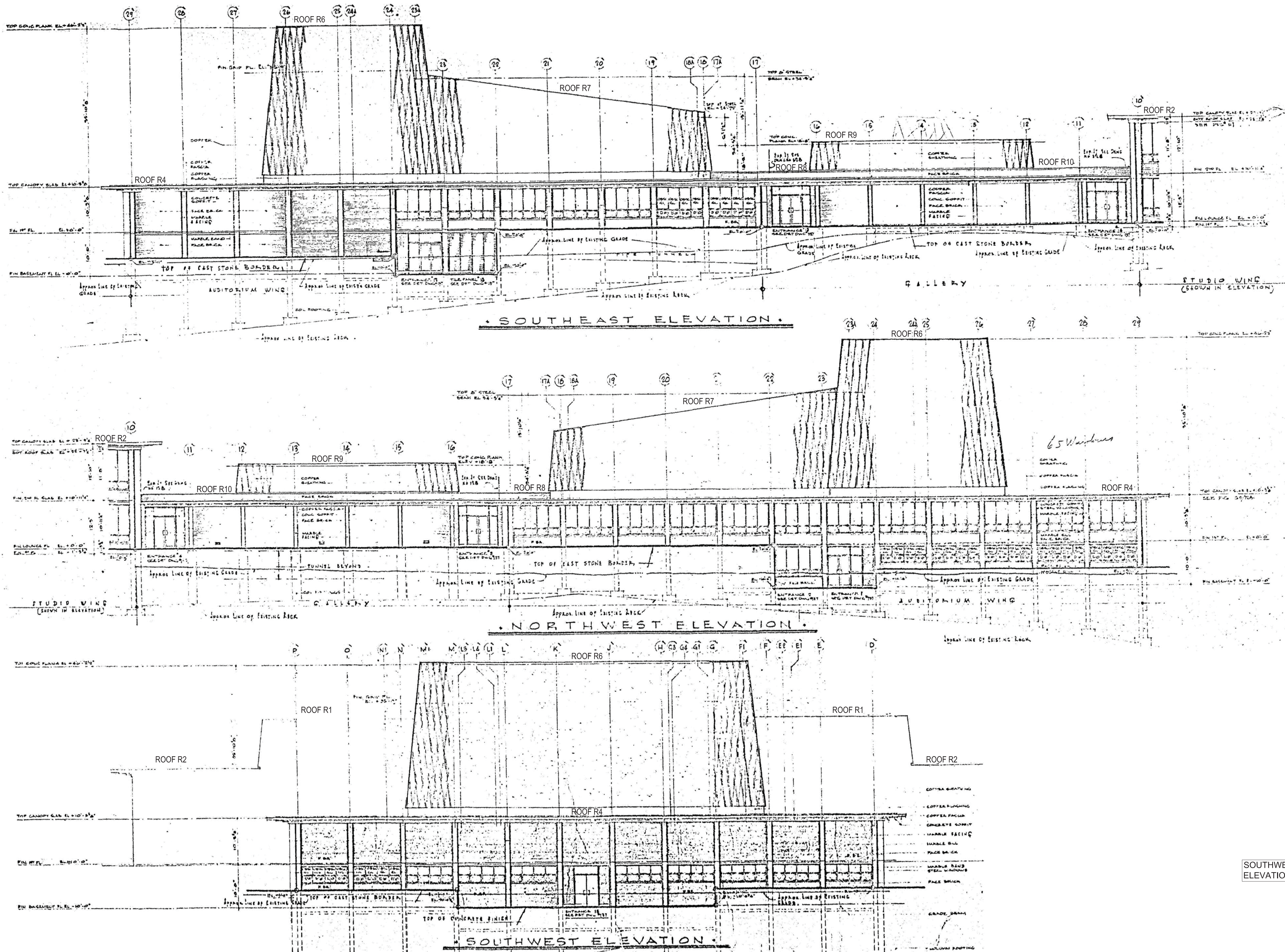
Drawing No.:
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Sheet 4 of 47

DRAWING FOR REFERENCE ONLY

Elevations taken from drawings dated February 6, 1961





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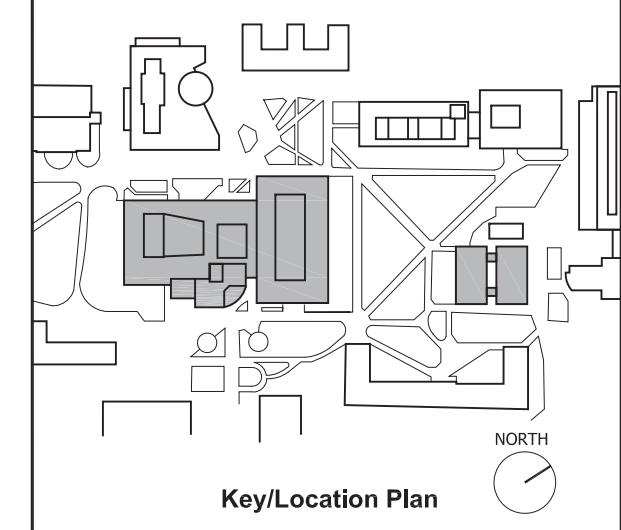
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NEW YORK, NY 10001
TEL: 212.352.9307

IAQ
SYSTEMS INC
Consulting Engineers
IAQ SYSTEMS INC., CONSULTING ENGINEERS
555 8th AVENUE, SUITE 1502
NEW YORK, NY 10018
TEL: 212.680.8945

Facility:
SUNY NEW PALTZ
Building Address:
1 HAWK DRIVE, NEW PALTZ, NY 12561

Building:
SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING

County of: Project No.:
ULSTER 081047-00

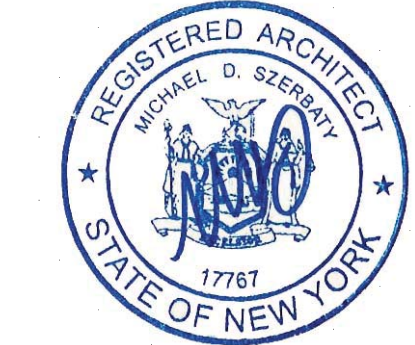


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
COLLEGE THEATRE
REFERENCE SHEET 2 OF 2

Seal & Signature:



Drawn By: JASON CAMPAGNA
Checked By: JOHN O'CONNOR
Date: JANUARY 8, 2021
Scale: AS NOTED

Drawing No.:
R002.00
Sheet 5 of 47

DRAWING FOR REFERENCE ONLY
Elevations taken from drawings dated February 6, 1961

S:\6592 - SUNY New Paltz\Roots\Drawings\6592-R001.dwg 02/23/21 - 10:32am jcampana



PROGRAM UNIT:



MDSZERBATY ASSOCIATES ARCHITECTURE LLC
307 7th Avenue New York NY 10001 P: 212 352 3307 F: 212 352 9256 mdsa.com

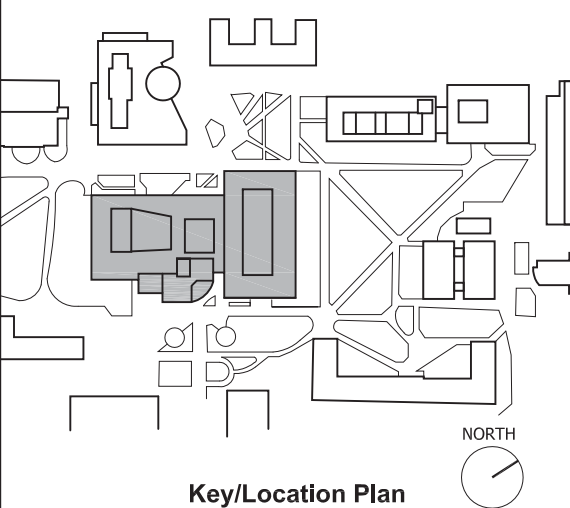
MDSZERBATY ASSOCIATES ARCHITECTURE
307 7th Avenue, 15th Floor
NEW YORK, NY 10001
TEL: 212.352.3307



IAQ SYSTEMS INC., CONSULTING ENGINEERS
555 8th Avenue, Suite 1502
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Facility: SUNY NEW PALTZ
Building Address: 1 HAWK DRIVE, NEW PALTZ, NY 12561
Building: SMILEY ARTS BUILDING, COLLEGE THEATRE, DORSKY MUSEUM AND FACULTY OFFICE BUILDING

County of: ULSTER Project No.: 081047-00



Contract Title: ROOF REPLACEMENT - SMILEY ARTS, COLLEGE THEATRE, DORSKY MUSEUM AND FACULTY OFFICE BUILDING

Project No.: 081047-00

Drawing Title: SAB ROOF REMOVALS PLAN

Seal & Signature:



Drawn By: John O'Connor

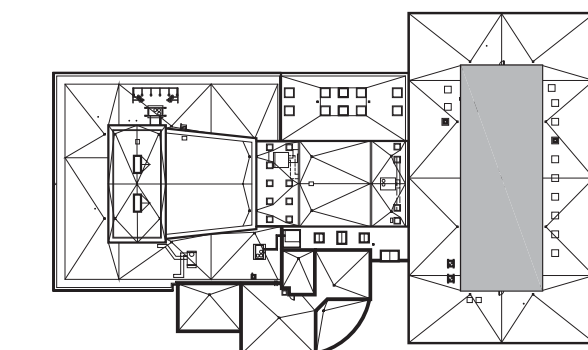
Checked By:

Date: JANUARY 8, 2021

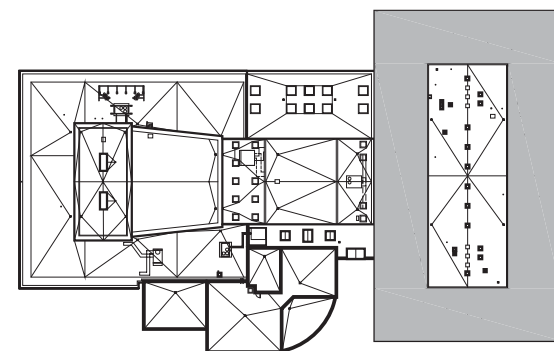
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Drawing No.: A061.00

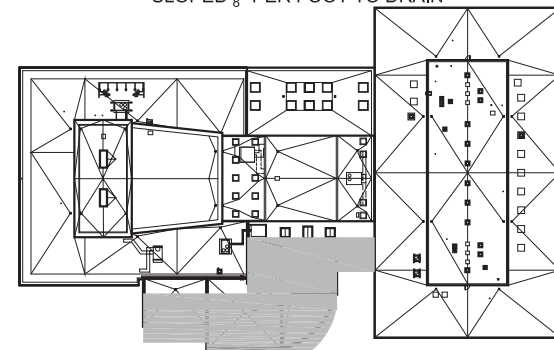
Sheet 6 of 47



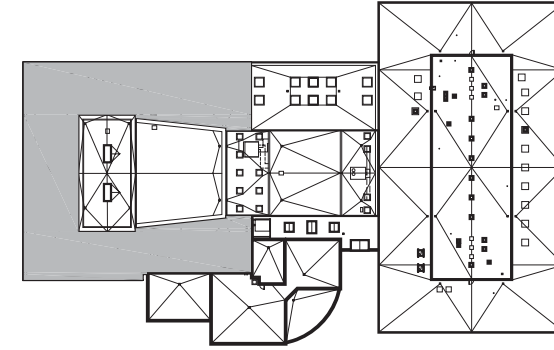
ROOF R1 EXISTING ROOF STRUCTURE: 2" CONCRETE PLANK



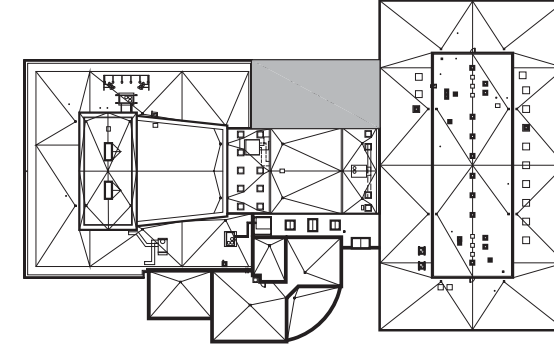
ROOF R2 EXISTING ROOF STRUCTURE: 6" CONCRETE SLAB W/ CONC. FILL SLOPED 1/2" PER FOOT TO DRAIN



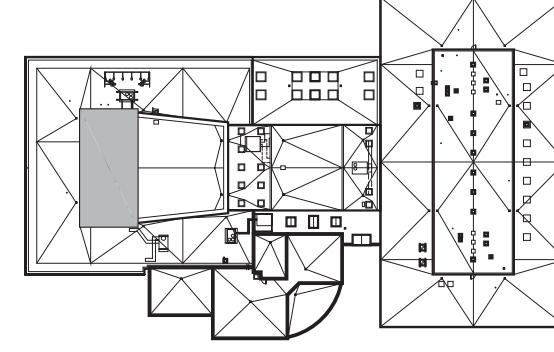
ROOF R3 EXISTING ROOF STRUCTURE: 8" GWS OVER 1 1/2" 22GA METAL DECK TYPE "B"



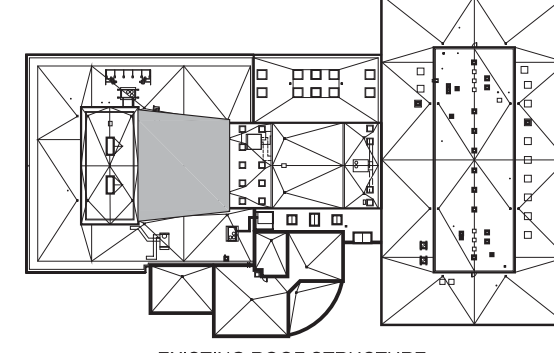
ROOF R4 EXISTING ROOF STRUCTURE: 4" CONCRETE SLAB W/ CONC. FILL SLOPED 1/2" PER FOOT TO DRAIN



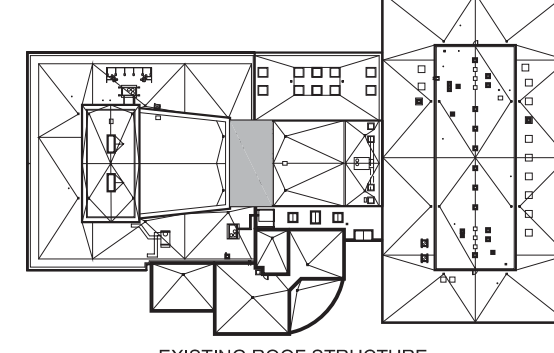
ROOF R5 EXISTING ROOF STRUCTURE: 4" CONCRETE SLAB W/ CONC. FILL SLOPED 1/2" PER FOOT TO DRAIN



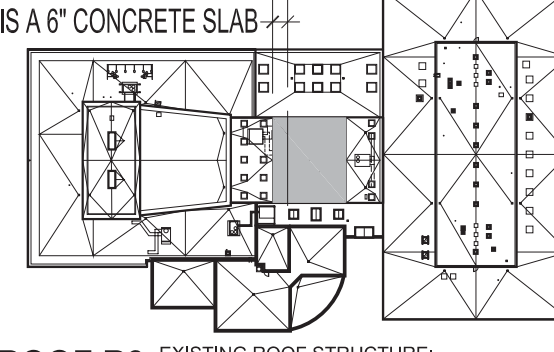
ROOF R6 EXISTING ROOF STRUCTURE: 2" ACOUSTICAL CONCRETE PLANK



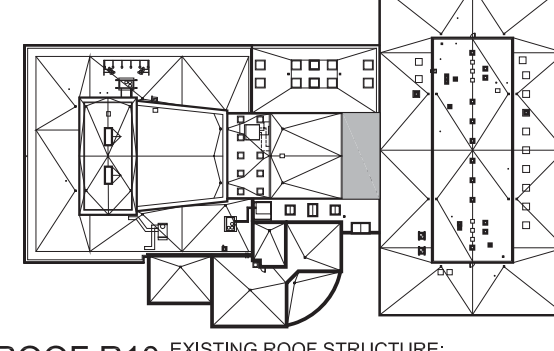
ROOF R7 EXISTING ROOF STRUCTURE: 4" ACOUSTICAL CONCRETE PLANK



ROOF R8 EXISTING ROOF STRUCTURE: 11" CONCRETE SLAB R9: ±10'-0" OF ROOF STRUCTURE IS A 6" CONCRETE SLAB

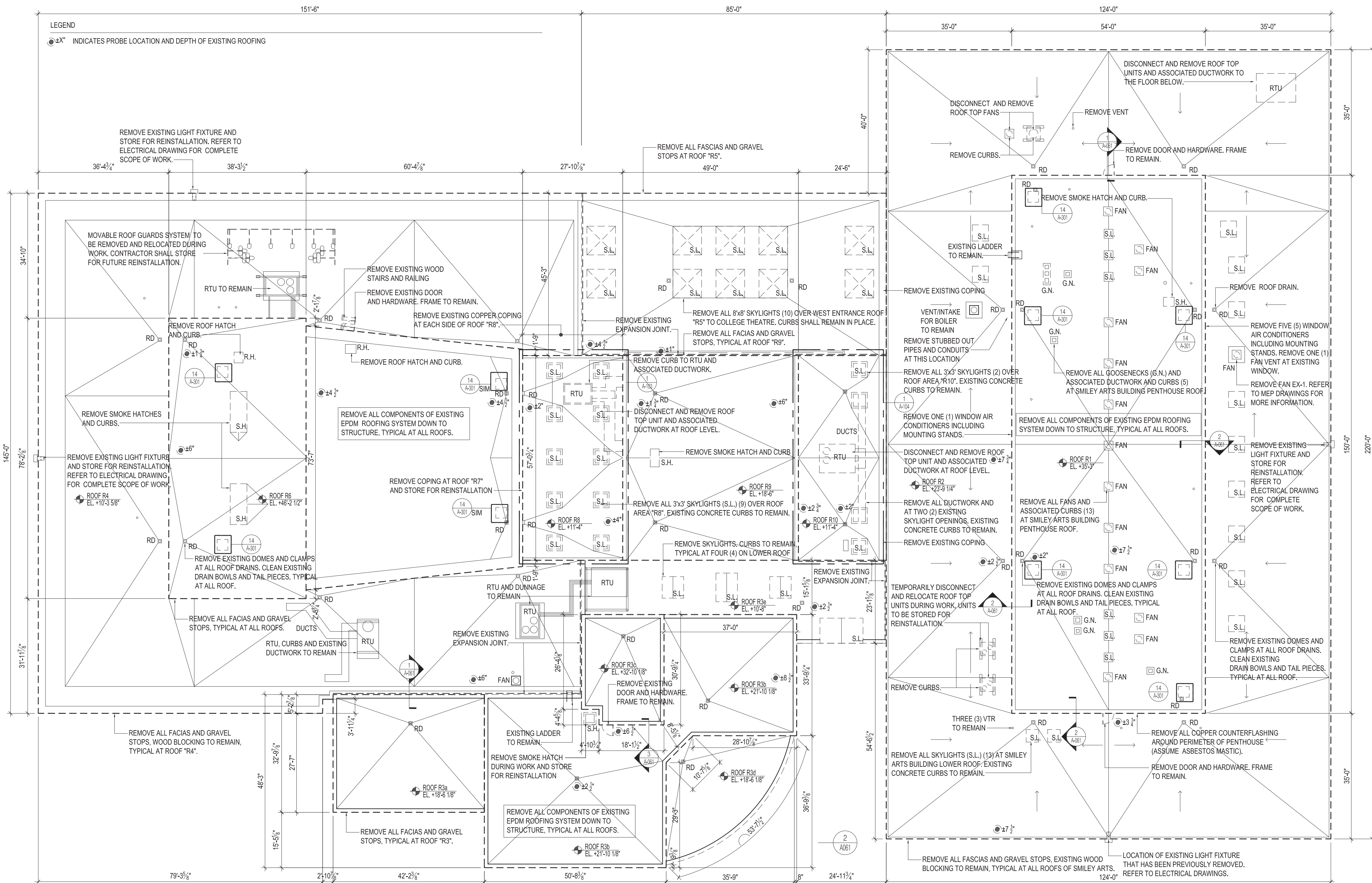


ROOF R9 EXISTING ROOF STRUCTURE: 6" CONCRETE SLAB ABOVE FAN ROOM & 4" CONCRETE PLANK



ROOF R10 EXISTING ROOF STRUCTURE: 6" CONCRETE SLAB

LEGEND
● ±X" INDICATES PROBE LOCATION AND DEPTH OF EXISTING ROOFING



1 ROOF REMOVALS PLAN AT SMILEY ARTS, McKENNA THEATRE AND DORSKY MUSEUM (SAB)

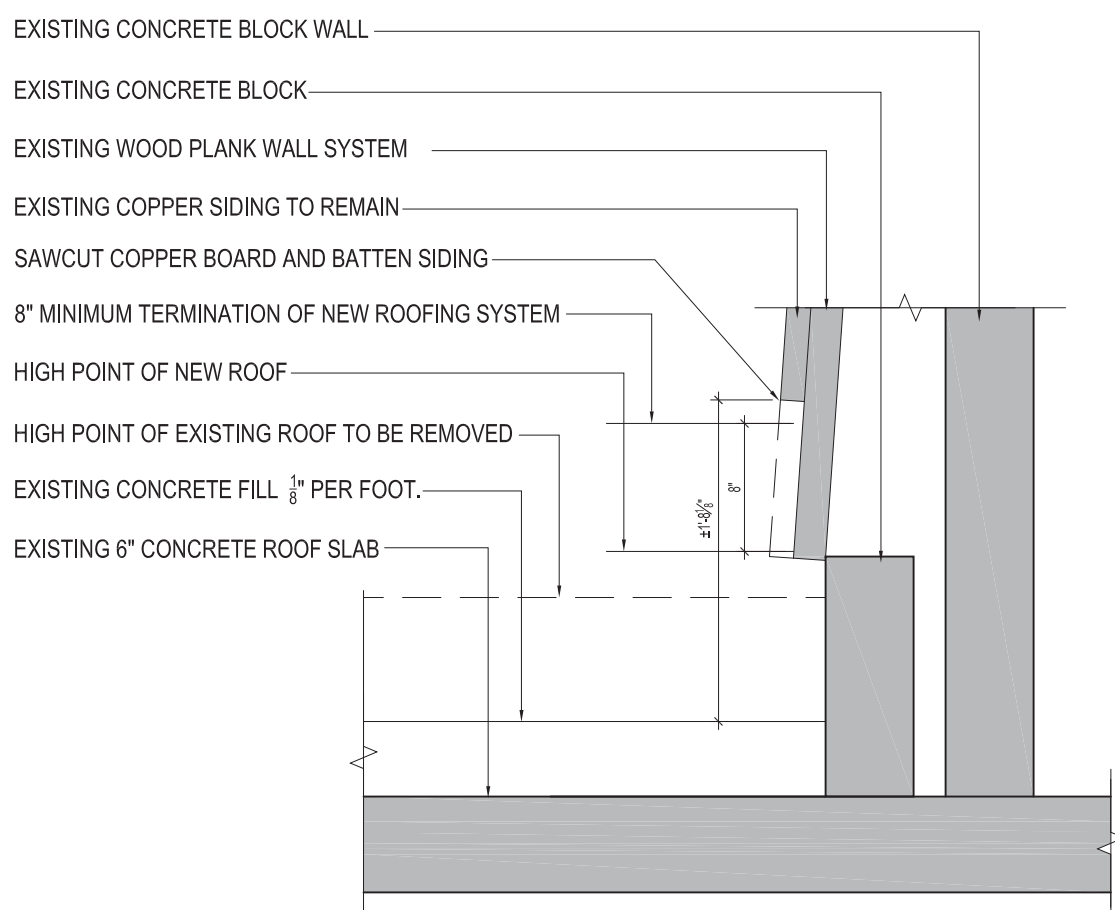
A061 SCALE: 1/16" = 1'-0"

- ELEVATION 0'-0" IS LOCATED AT FINISHED FIRST FLOOR OF COLLEGE THEATRE
- ALL ELEVATIONS INDICATE TOP OF ROOF DECK OR SLAB.

REFER TO DRAWINGS A103 & A104 FOR PARTIAL PLANS, ELEVATIONS AND SECTION DETAILS SHOWING SAWCUTTING AND REMOVAL OF COPPER SIDING AND COPINGS AT ROOFS R8 AND R10.

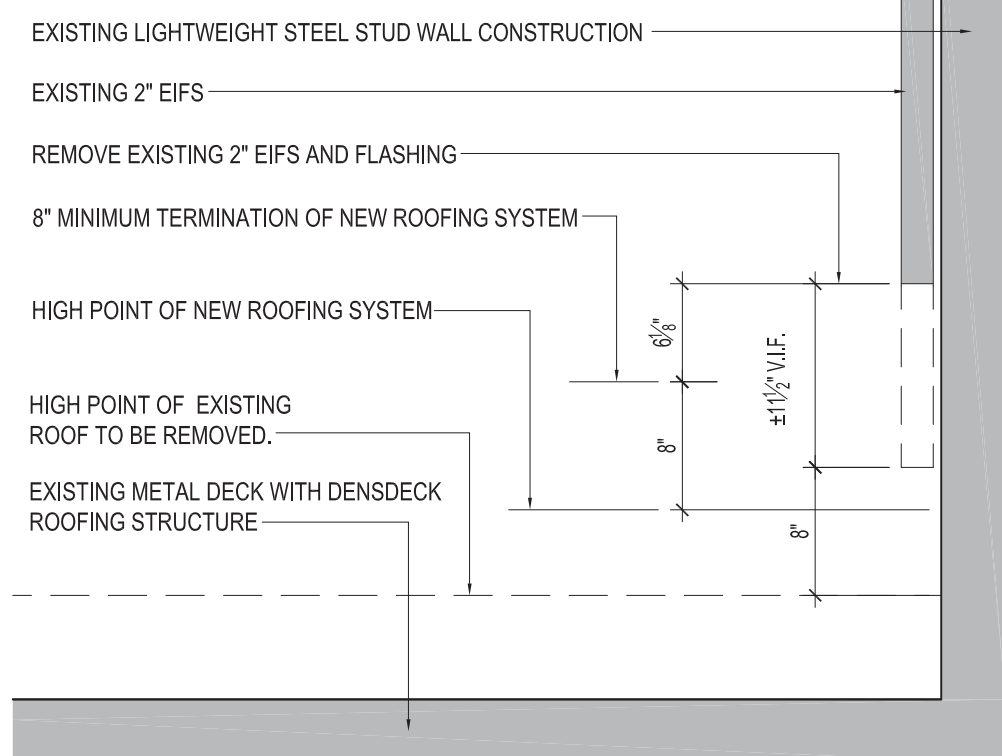
DEMO NOTES:

1. THE CONTRACTOR SHALL MAINTAIN A CONSTRUCTION WASTE REPORT TO BE KEPT UPDATED THROUGHOUT THE COURSE OF WORK. REFER TO ALL REQUIREMENTS IN SPECIFICATION 01 74 19.
2. AS PER SPECIFICATION 01 35 13 10 SALVAGE OF MATERIALS, THE CONTRACTOR SHALL NEATLY STACK ON A PALLET ALL COPPER REMOVED AS PART OF THE WORK AND TRANSPORT TO THE CAMPUS SERVICE BUILDING GROUNDS FENCED AREA.



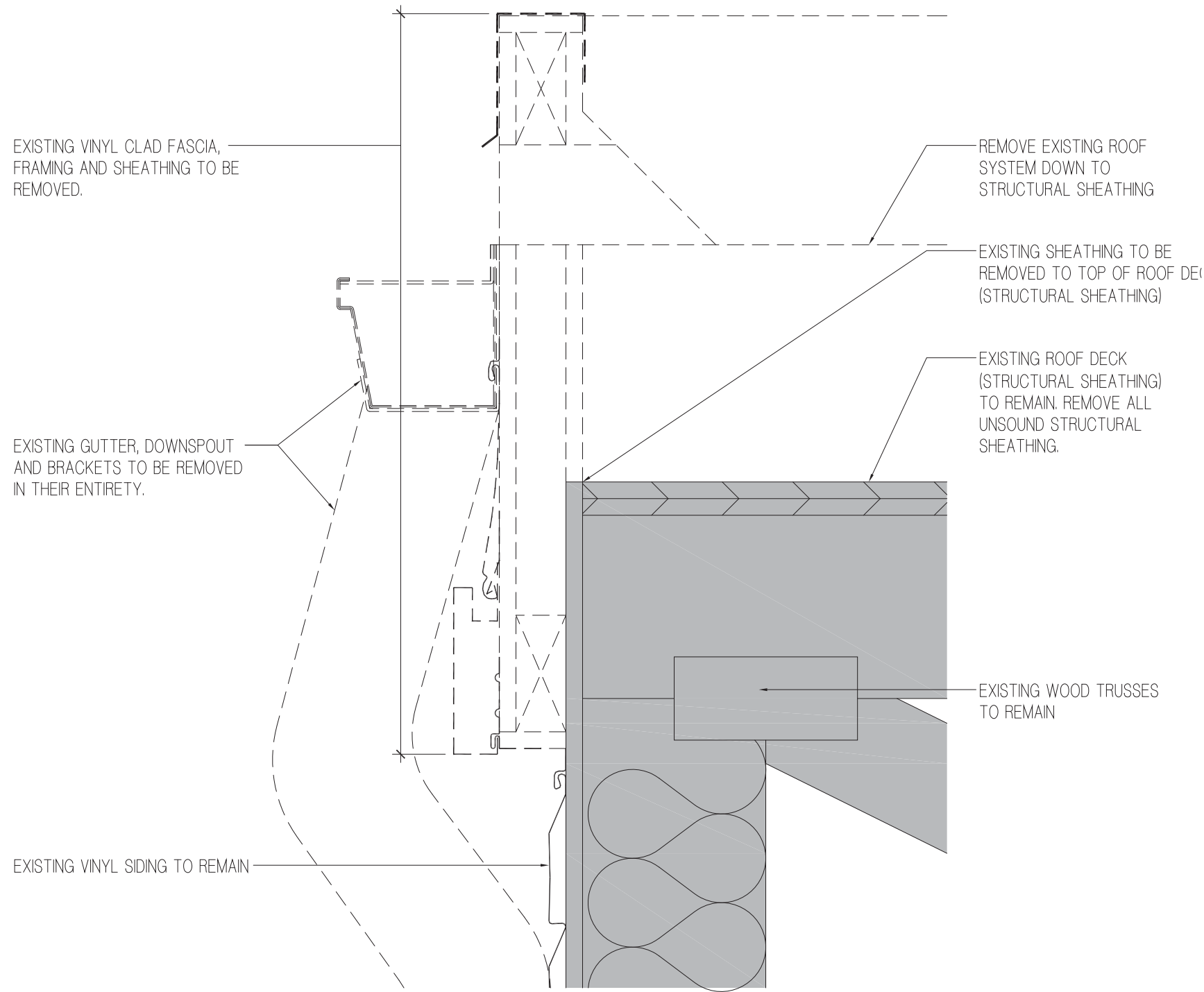
2 REMOVAL OF COPPER SIDING

A061 SCALE: 1" = 1'-0" AT SMILEY ARTS ROOF "R2" REFER TO A103 AND A104 FOR SIMILAR REMOVALS AT ROOFS "R8" & "R10"

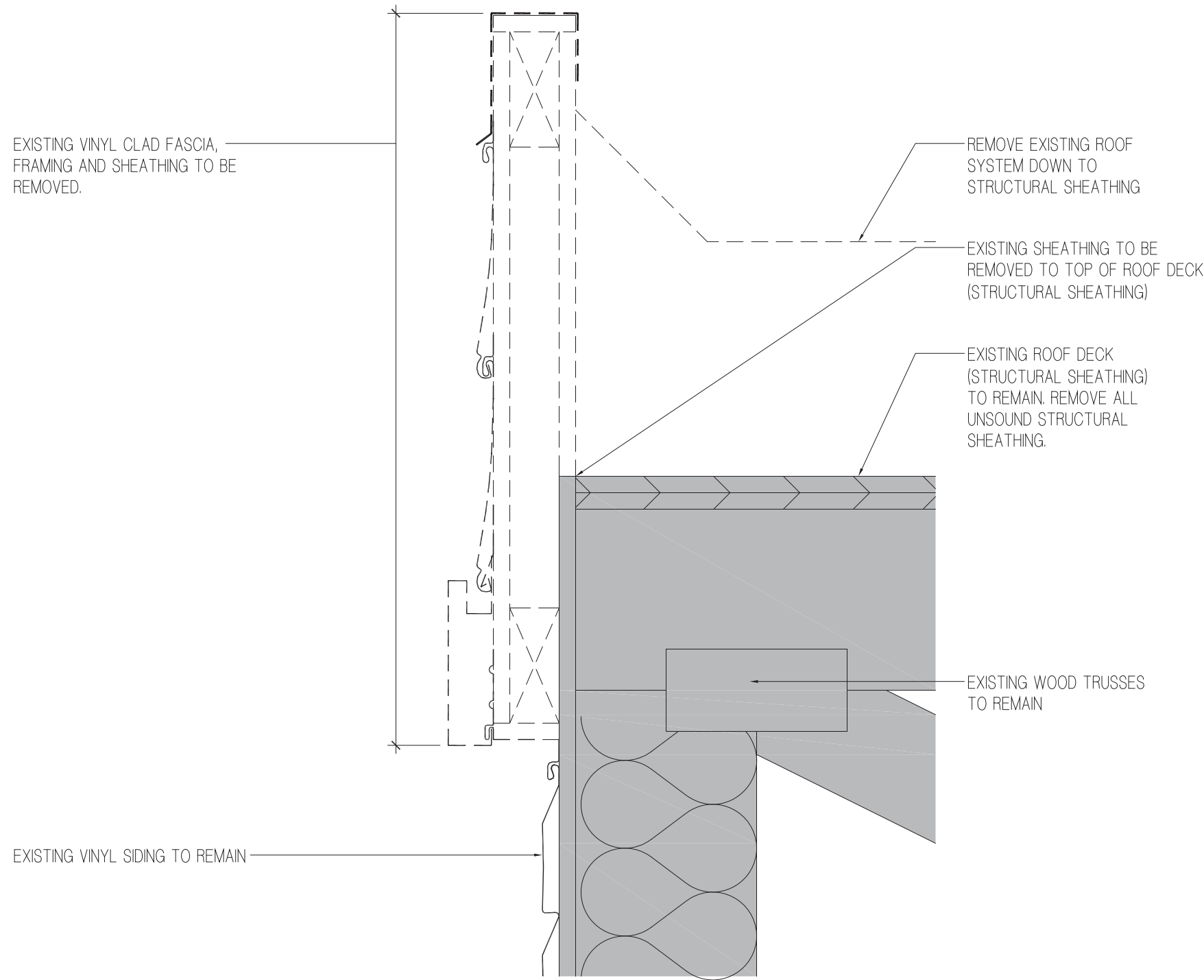


3 REMOVAL OF EIFS

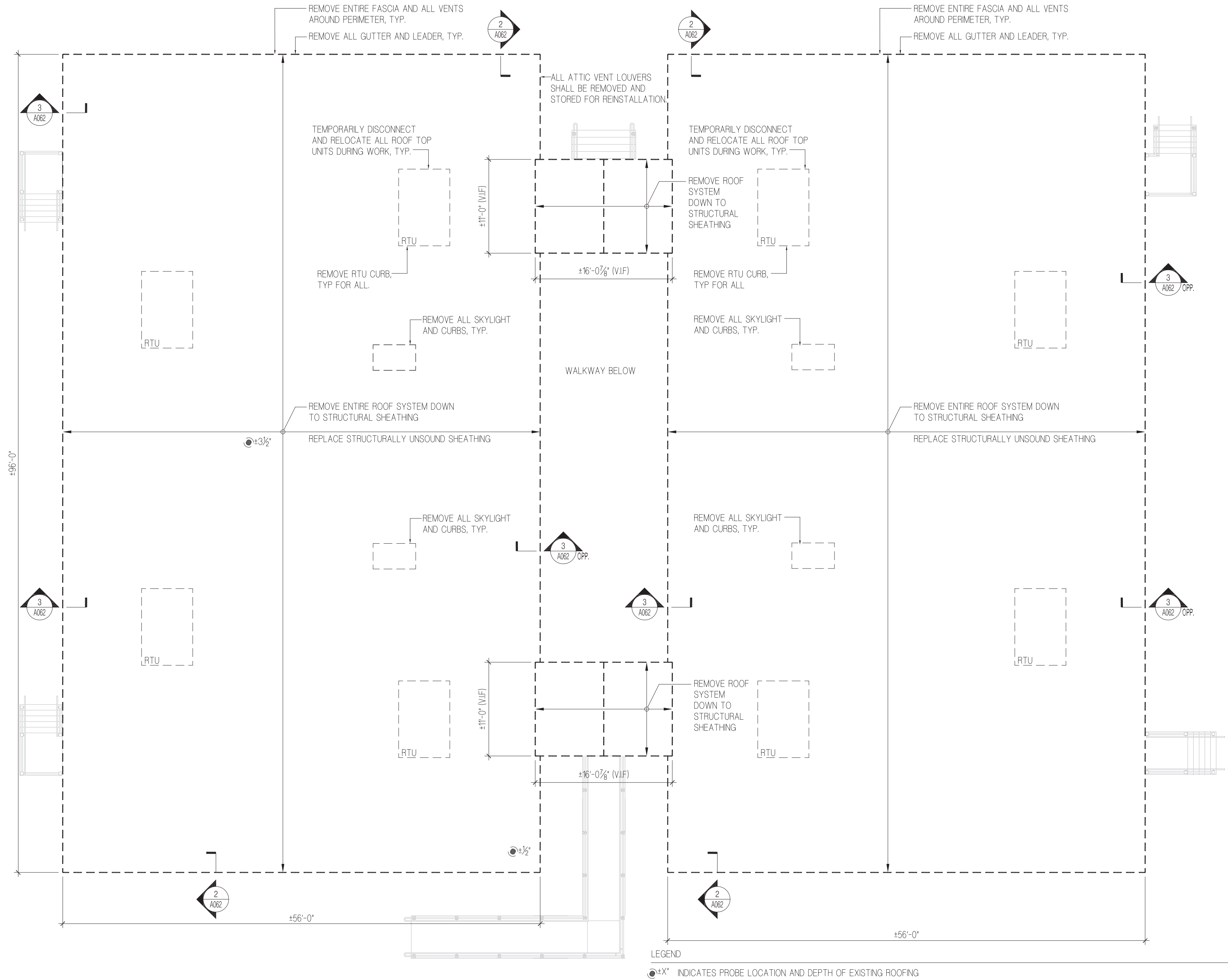
A061 SCALE: 1" = 1'-0" AT DORSKY MUSEUM



2 SECTION AT GUTTERS
A062 SCALE: 3" = 1'-0"



3 SECTION AT FASCIA
A062 SCALE: 3" = 1'-0"



1 FACULTY OFFICE BUILDING ROOF REMOVALS PLAN
A062 SCALE: 1/8" = 1'-0"



PROGRAM UNIT:



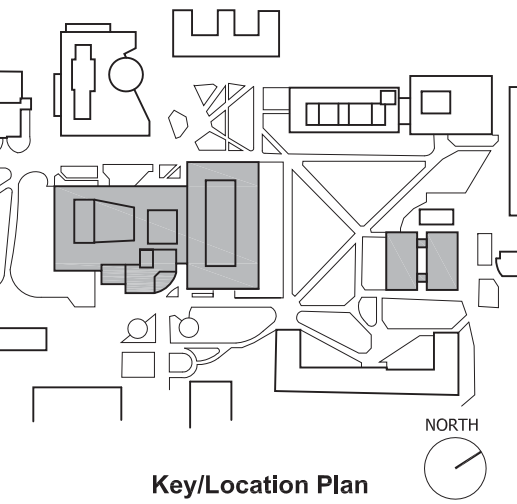
MDSZERBATY ASSOCIATES ARCHITECTURE
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IAQ SYSTEMS INC., CONSULTING ENGINEERS
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DORSKY MUSEUM AND
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County of: Project No.:
ULSTER 081047-00

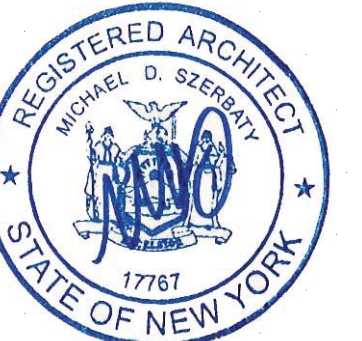


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
FACULTY OFFICE BUILDING (FOB)
REMOVALS ROOF PLAN AND SECTIONS

Seal & Signature:



Drawn By: JASON CAMPAGNA

Checked By: JOHN O'CONNOR

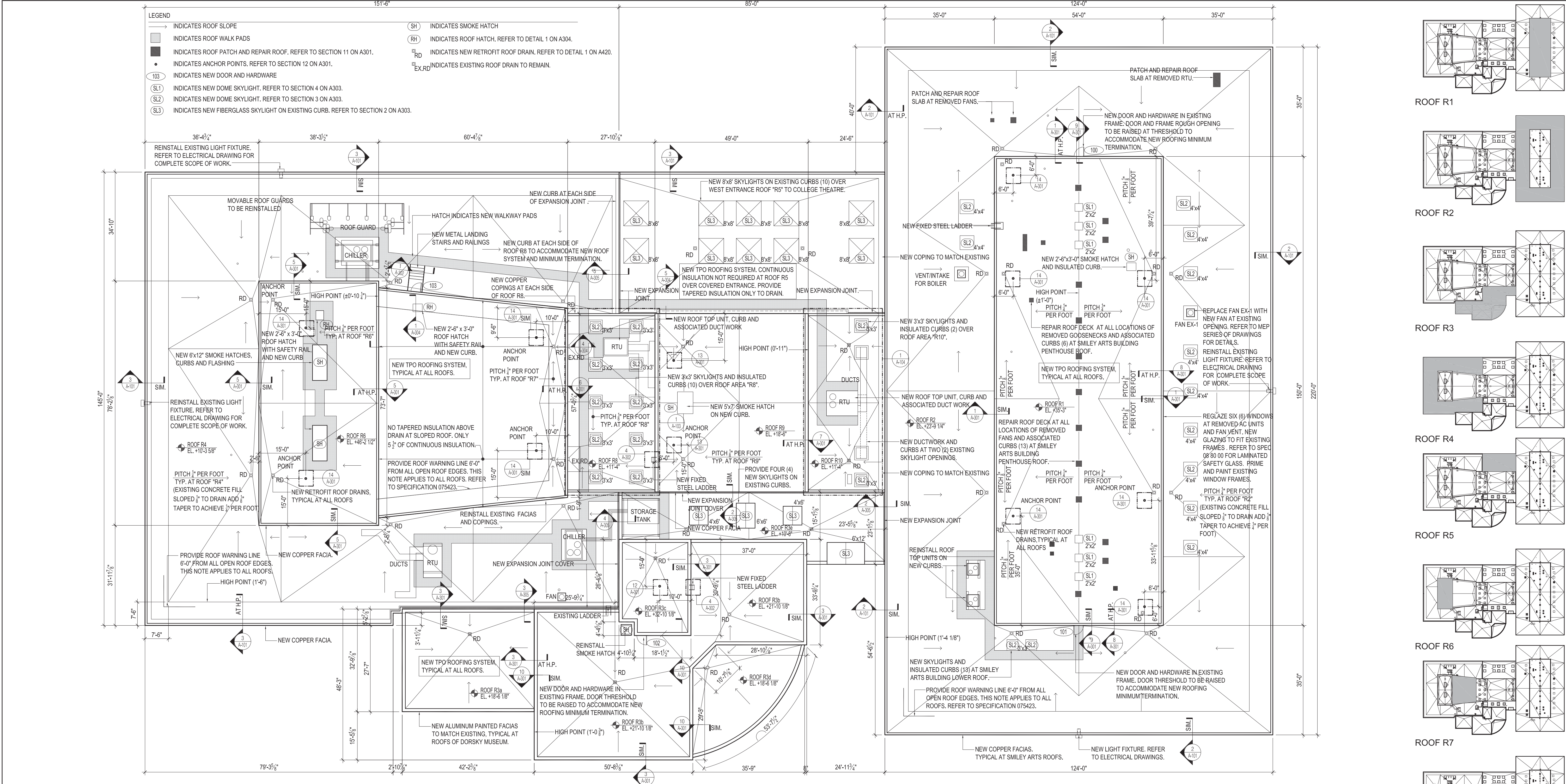
Date: JANUARY 8, 2021

Scale: AS NOTED

Drawing No.:

A062.00

Sheet 7 of 47



1 ROOF CONSTRUCTION PLAN AT SMILEY ARTS, McKENNA THEATRE AND DORSKY MUSEUM (SAB)
A101 SCALE: 1/16" = 1'-0"
- REFERENCE TO TYPICAL TPO ROOFING DETAILS ON A420
- ELEVATION 0'-0" IS LOCATED AT FINISHED FIRST FLOOR OF COLLEGE THEATRE
- ALL ELEVATIONS INDICATE TOP OF ROOF DECK OR SLAB.

DOOR SCHEDULE: SMILEY ARTS, DORSKY MUSEUM AND COLLEGE THEATRE

DOOR NO.	ROOM NAME	TYPE SEE 2/A-101	MAT.	NO.	DOOR			LOUVER/PERF. PANEL	GLASS	TYPE SEE V A-101	MAT.	FRAME			FIRE RATING (H-R)	HARD-WARE SET	REMARKS
					W.	HGHT.	TH.	W.	HGHT.			JAMB.	HEAD	SADDLE			
100	ROOF ACCESS DOOR 1 AT SAB.	D1	HM	1	3'-0"	V.I.F.	1-3/4"	--	--	--	--	--	--	--	EX	SET 1	PANT DOOR TO MATCH EXISTING FRAME
101	ROOF ACCESS DOOR 2 AT SAB.	D1	HM	1	3'-0"	V.I.F.	1-3/4"	--	--	--	--	--	--	--	EX	SET 1	PANT DOOR TO MATCH EXISTING FRAME
102	ROOF ACCESS DOOR AT DORSKY	D1	HM	1	3'-8"	V.I.F.	1-3/4"	--	--	--	--	--	--	--	EX	SET 1	PANT DOOR TO MATCH EXISTING FRAME
103	ROOF ACCESS DOOR AT C. T.	D1	HM	1	3'-0"	6'-5" V.I.F.	1-3/4"	--	--	--	--	--	--	--	EX	SET 1	PANT DOOR TO MATCH EXISTING FRAME

EX. FRAME MODIFICATION NOTES

AT THE EXISTING FRAMES FOR NEW DOORS 100, 101 AND 102, THE BOTTOM DOOR STOP ON THE EXISTING FRAME SHALL BE CUT TO ACCOMMODATE THE RAISED SADDLE. REFER TO DETAIL 9/A301 & 3/A304.

PAINT HOLLOW METAL DOORS:
MANUFACTURERS:
PROVIDE "FIRST LINE" OR "TOP QUALITY" PRODUCTS
OF ONE OF THE FOLLOWING MANUFACTURERS:

- BENJAMIN MOORE AND CO.
- THE SHERWIN-WILLIAMS CO.
- BEHR

1ST COAT TOUCH UP WITH EPOXY POLYAMIDE PAINT
2ND COAT POLYAMIDE EPOXY PAINT PER SSPC-PS
GUIDE 13.04.0 TO 6.0 MLS DFT
3RD COAT (TOP COAT) ACRYLIC ALIPHATIC
POLYURETHANE 15 TO 2.0 MLS DFT

PAINT COLORS, SURFACE TREATMENTS AND FINISHES WILL BE
SELECTED BY THE PROJECT ARCHITECT.

DOOR GENERAL NOTES

- ALL DOOR HARDWARE MEETS THE REQUIREMENTS OF ANSI 117.1-894.13.9
- ALL VISION PANELS SHALL HAVE 1/2" ANNEALED LAMINATED SAFETY GLASS (SG).
- PER ANSI 117.1, AT PULL SIDE OF DOOR PROVIDE MINIMUM 18" CLEARANCE AT LATCH SIDE OF DOOR, TYPICAL.
- FIRE RATED DOORS AND FRAMES SHALL BE PROVIDED WITH PERMANENTLY AFFIXED MEA/BSA LABELS.
- DOORS SHALL HAVE A SELF CLOSING DOOR CLOSER AS PER HARDWARE SETS LISTED WITHIN SPECIFICATION 08710.
- ALL DOORS, UNLESS OTHERWISE NOTED, TO BE 6" FROM WALL TO DAY LITE AT HINGE SIDE.

DOOR TYPE NOTES

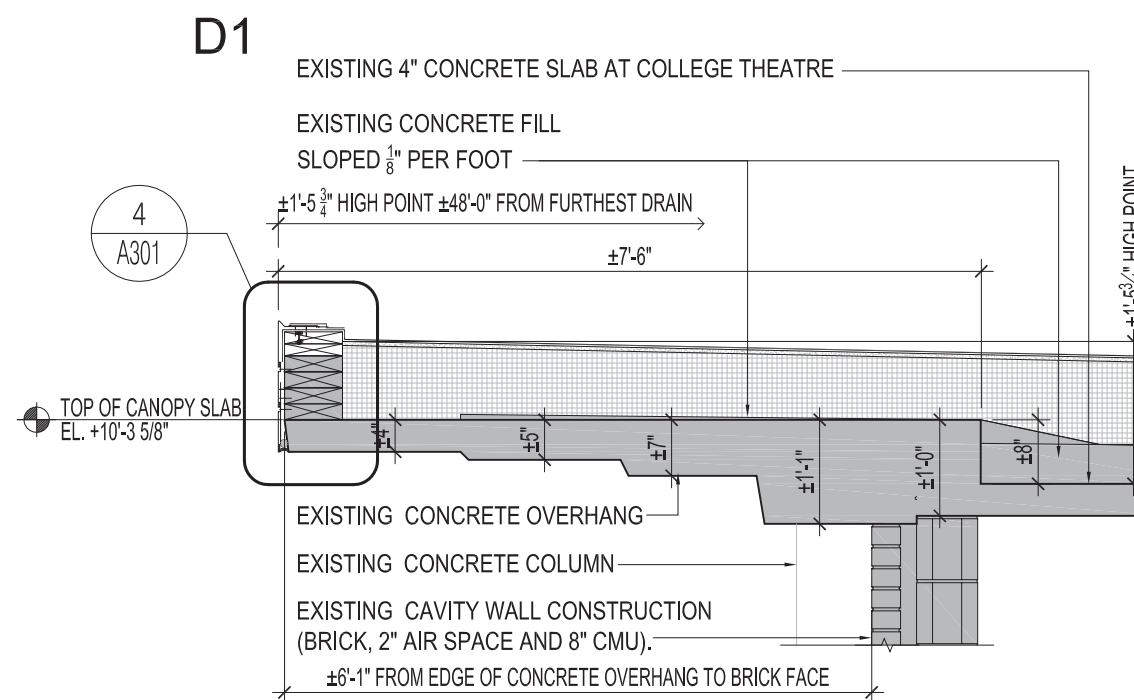
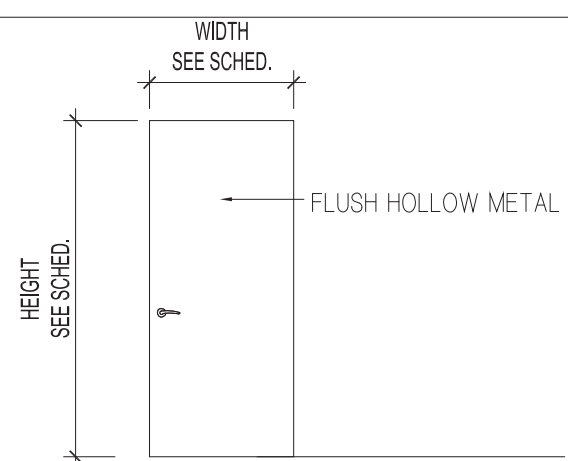
- VISION PANELS IN DOORS TO OCCUPIED SPACES SHALL BE AT THE LATCH SIDE OF THE DOOR UNLESS INDICATED OTHERWISE IN THE CONTRACT DOCUMENTS.
- VISION PANELS IN CROSS CORRIDOR DOORS, VESTIBULE DOORS, STAIR DOORS AND OTHER MEANS OF EGRESS SHALL BE LOCATED AT THE LATCH SIDE OF THE DOOR.
- ALL VISION PANELS SHALL BE 1/2" ANNEALED LAMINATED SAFETY GLASS.
- VISION PANELS IN (15) ONE AND ONE-HALF HOUR FIRE RATED DOORS SHALL NOT BE GREATER THAN 100 SQUARE INCHES.

TYPICAL DOOR ABBREVIATIONS

EX = EXISTING HM = HOLLOW METAL

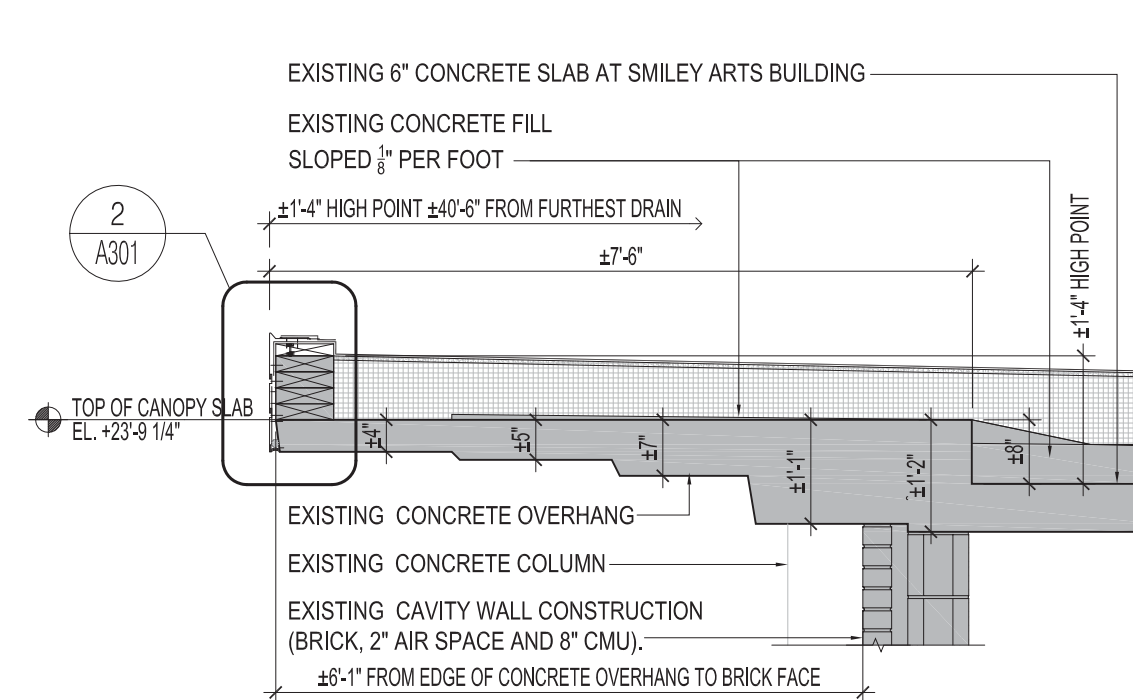
DOOR HARDWARE NOTES

- FINISH FLOOR TO CENTER LINE OF HARDWARE:
- KNOB ON LOCK OR LATCH 38"
 - CROSS BAR ON FIRE EXIT DEVICE 38"
 - DOOR PULL GRP 42"
 - PUSH-PULL BAR 42"
 - ROLLER LATCH 45"
 - HOSPITAL PUSH-PULL LATCH 45"
 - HOSPITAL ARM PULL (VERTICAL TYPE) 48"
 - HOSPITAL ARM PULL (VERTICAL TYPE) 48"
- TOP HINGE - 5" FROM FRAME HEAD RABBIT TO TOP OF HINGE.
- CENTER HINGE - EQUAL DISTANCE FROM TOP AND BOTTOM HINGE.
- BOTTOM HINGE - 10" FROM FINISH FLOOR TO UNDERSIDE OF HINGE.

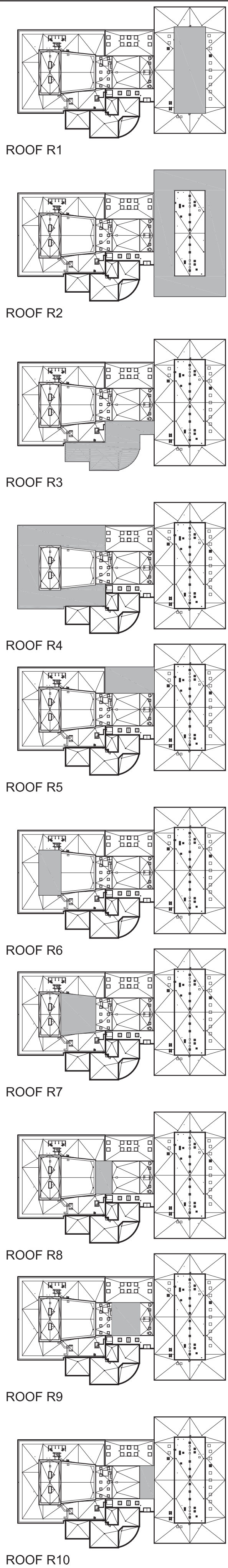


3 ROOF SECTION AT ROOF OVERHANG AT ROOF R4 & R5
A101 SCALE: 1/2" = 1'-0"

- NOTES:
- NO ROOFING WORK SHALL BE DONE DURING INCLEMENT WEATHER. TEMPERATURE SHALL BE 40 DEGREES AND RISING. NO ROOFING WORK WILL BE DONE UNLESS ROOF DECK IS COMPLETELY DRY, FREE FROM ANY WATER, DEW, FROST, ICE OR SNOW.
 - CLEAN ALL CLAMPING SURFACES, DRAIN BOWLS, AND TAILPIECES OF ALL EXISTING ROOF DRAINS.
 - FLUSH OUT ALL DRAIN LINES WITH WATER. AFTER COMPLETION OF ALL WORK ON ROOF, THE CONTRACTOR SHALL DEMONSTRATE TO THE FUND/COLLEGE THAT THE ROOF DRAINS ARE FUNCTIONAL.
 - THE HEIGHT OF BASE FLASHINGS AT CURBS FOR SKYLIGHTS, EQUIPMENT OR OTHER WORK MUST BE A MINIMUM 12" ABOVE THE INSTALLED ROOF MEMBRANE.
 - WHERE SILLS OF DOOR AND WINDOW OPENINGS ARE AT ROOF LEVEL, PROVIDE A BASE FLASHING HEIGHT OF AT LEAST 8".
 - PRIOR TO ROOF INSTALLATION, TEMPORARILY REMOVE SADDLE AT ROOF ACCESS DOORS 100, 101 & 102 AND REPLACE AFTER ROOFING IS COMPLETE.



2 ROOF SECTION AT ROOF OVERHANG AT ROOF R2
A101 SCALE: 1/2" = 1'-0"



PROGRAM UNIT:

MISA
MDSzerbaty Associates Architecture LLC
307 Seventh Avenue New York NY 10011 P: 212.352.3307 F: 212.352.3308 misa@mac.com

MDSZERBATY ASSOCIATES ARCHITECTURE
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NEW YORK, NY 10011
TEL: 212.352.3307

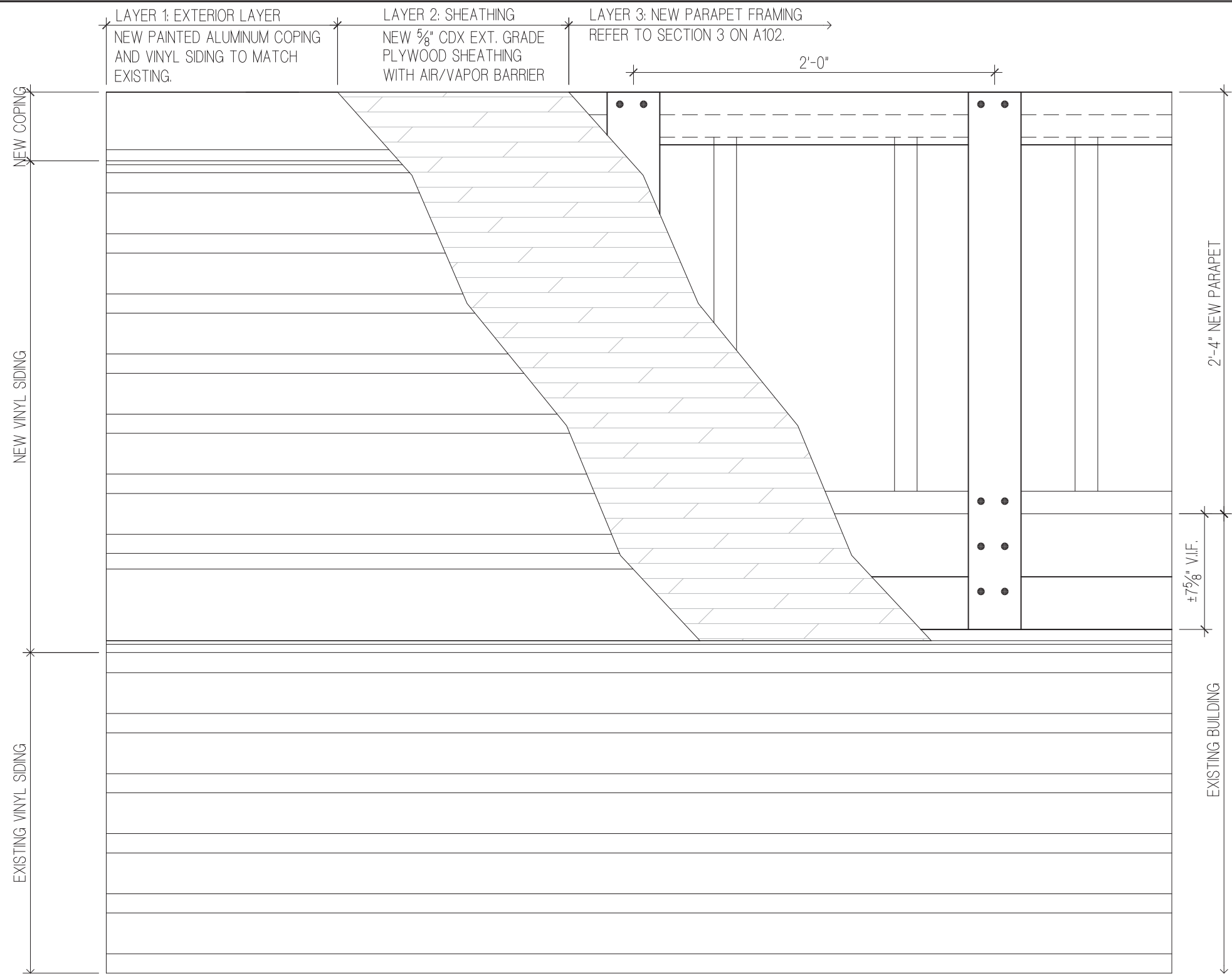
IAQ
SYSTEMS INC.
Consulting Engineers
IAQ SYSTEMS INC., CONSULTING ENGINEERS
555 8th AVENUE, SUITE 1502
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SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING
County of:
ULSTER
Project No.:
081047-00

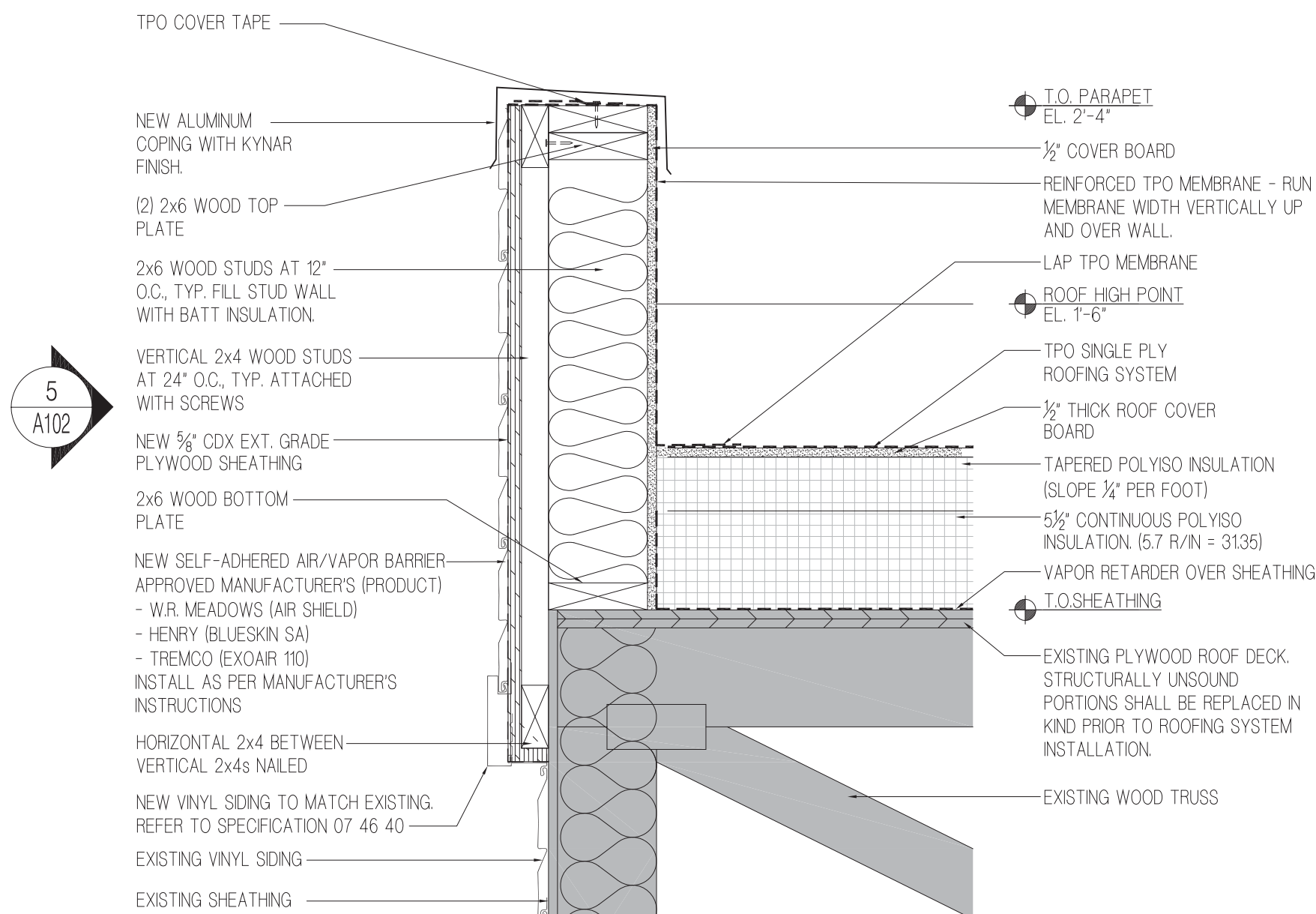
Key/Location Plan

Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING
Project No.: 081047-00
Drawing Title:
SAB ROOF CONSTRUCTION PLAN
Seal & Signature:

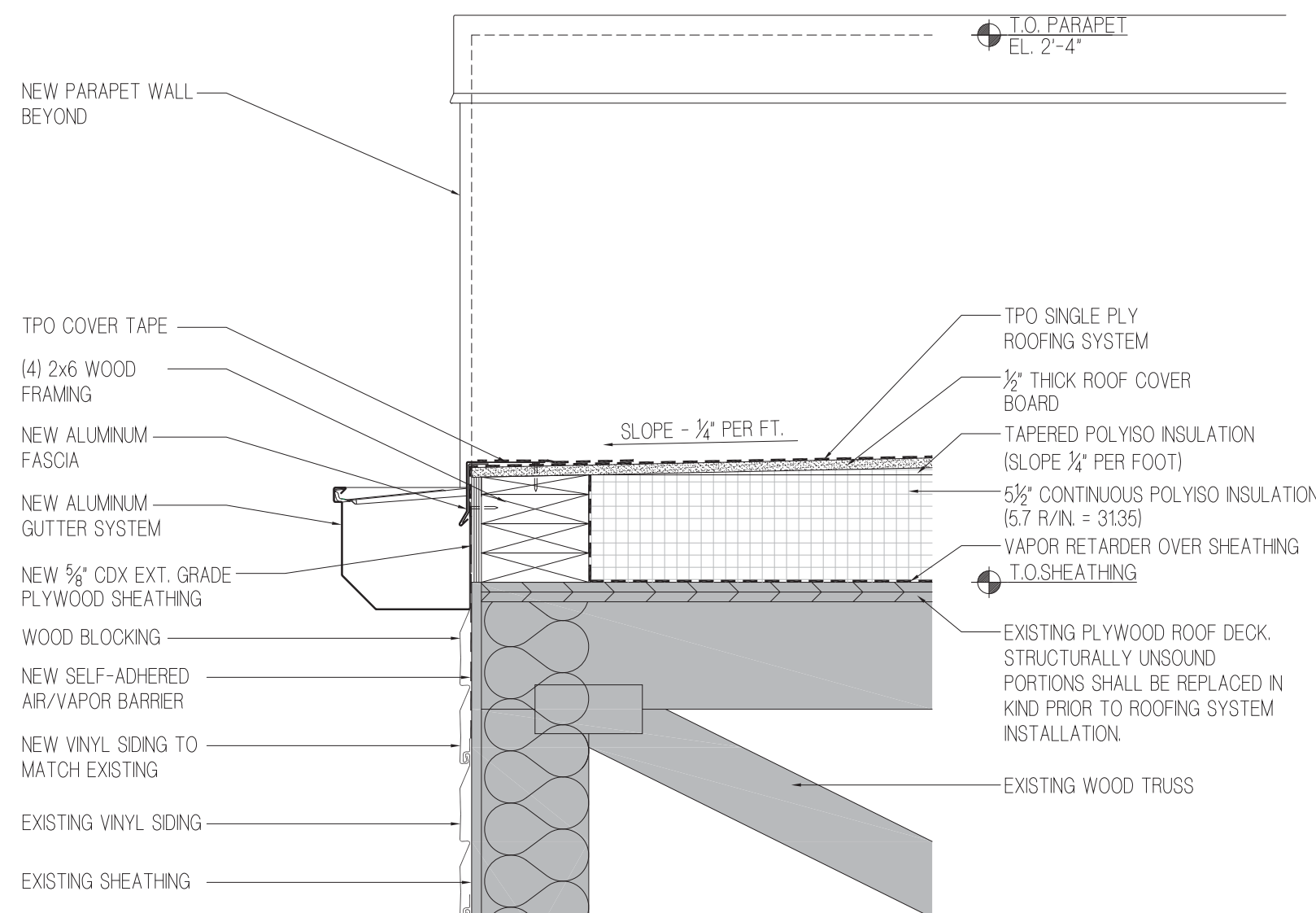
Drawn By: John O'Connor
Checked By:
Date: JANUARY 8, 2021
Scale: AS NOTED
Drawing No.:
A101.00
Sheet 8 of 47



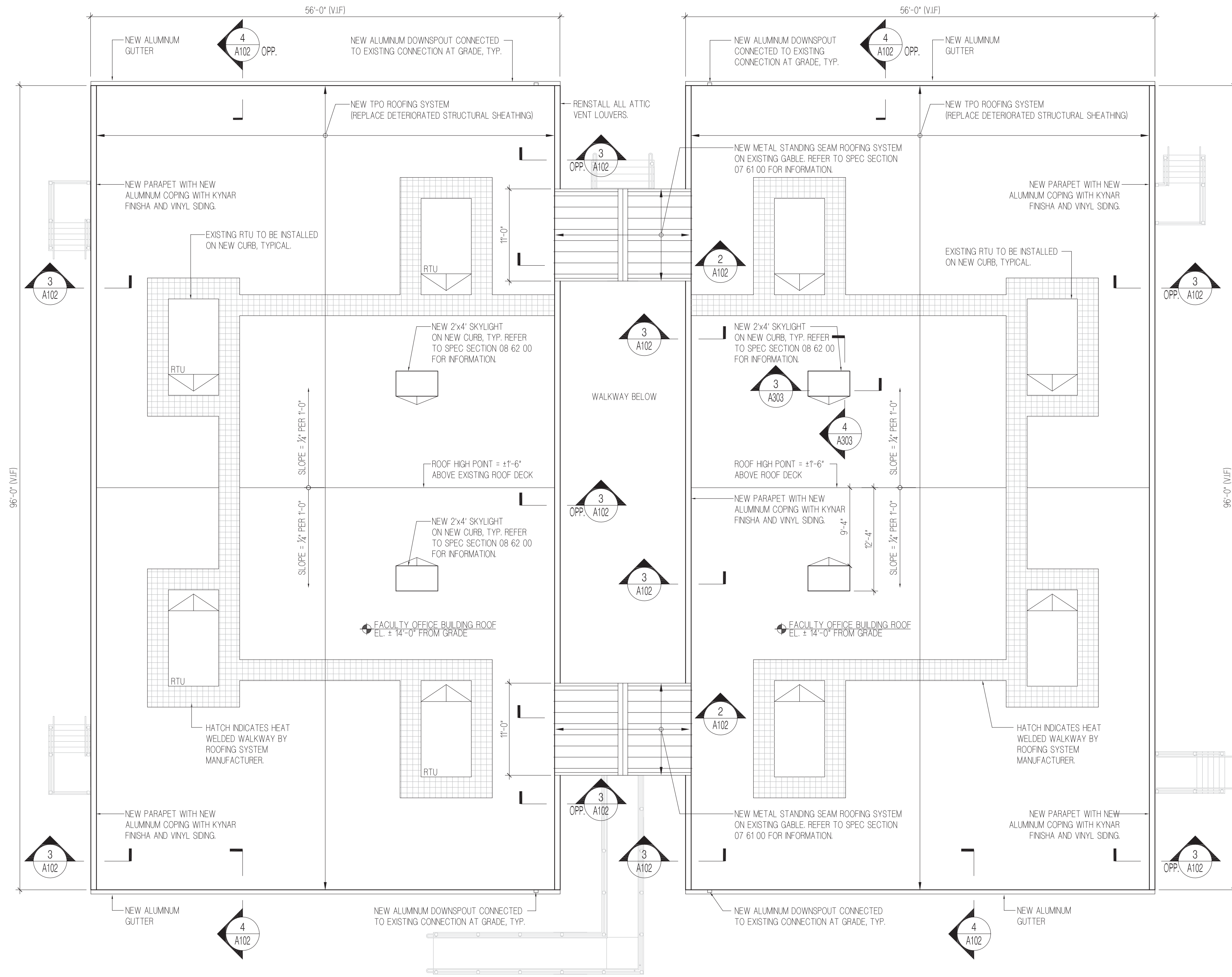
5 ELEVATION AT NEW PARAPET
SCALE: 1-1/2" = 1'-0"



3 SECTION AT NEW PARAPET
SCALE: 1-1/2" = 1'-0"



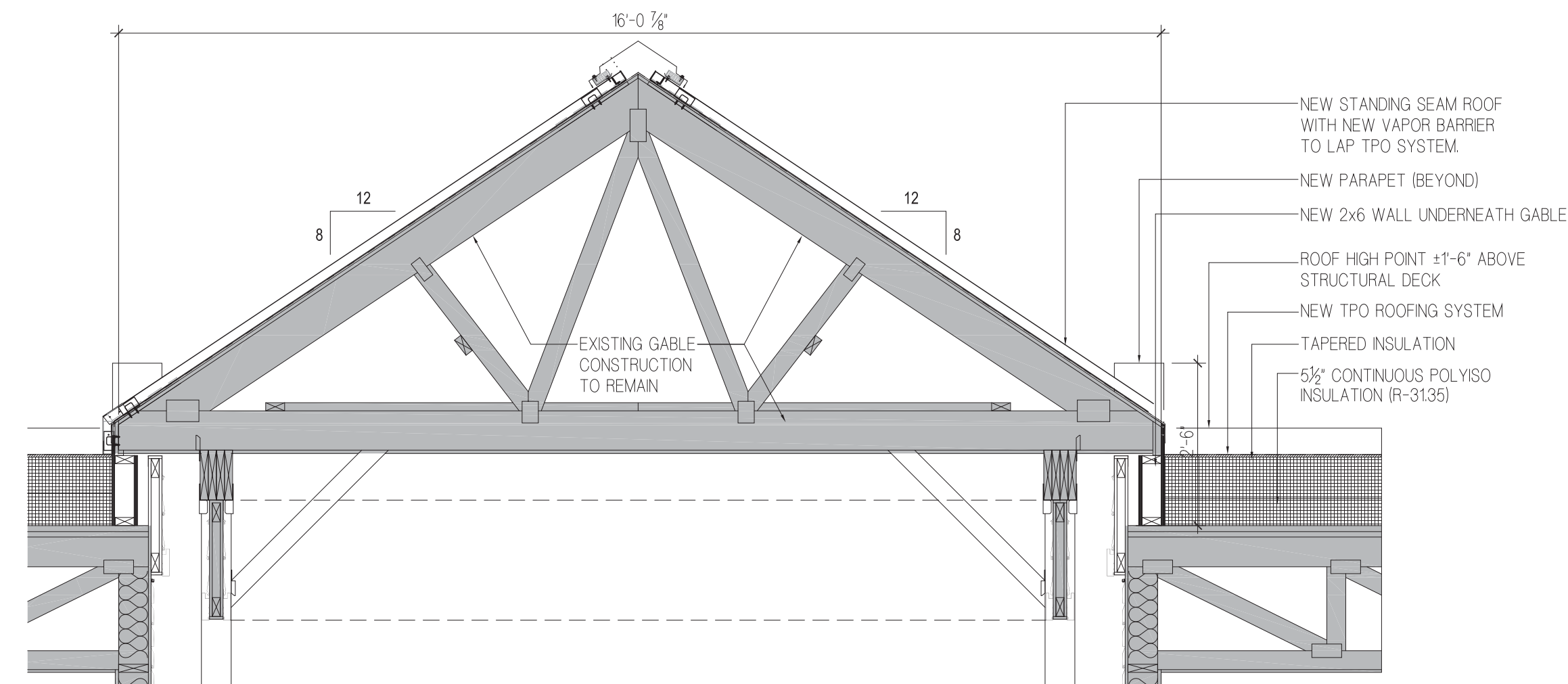
4 SECTION AT NEW GUTTER
SCALE: 1-1/2" = 1'-0"



1 FACULTY OFFICE BUILDING (F.O.B.) ROOF PLAN
SCALE: 1/8" = 1'-0"
- REFER TO TYPICAL TPO ROOFING DETAILS ON A420

NOTES:

1. NO ROOFING WORK SHALL BE DONE DURING INCLEMENT WEATHER. TEMPERATURE SHALL BE 40 DEGREES AND RISING. NO ROOFING WORK WILL BE DONE UNLESS ROOF DECK IS COMPLETELY DRY, FREE FROM ANY WATER, DEW, FROST, ICE OR SNOW.
2. THE HEIGHT OF BASE FLASHINGS AT CURBS FOR SKYLIGHTS, EQUIPMENT OR OTHER WORK MUST BE A MINIMUM 12" ABOVE THE INSTALLED ROOF MEMBRANE.
3. WHERE SILLS OF DOOR AND WINDOW OPENINGS ARE AT ROOF LEVEL, PROVIDE A BASE FLASHING HEIGHT OF AT LEAST 80.



2 SECTION AT GABLE ROOFS OVER ENTRY WALKWAY
SCALE: 1/2" = 1'-0"



PROGRAM UNIT:



MDSZERBATY ASSOCIATES ARCHITECTURE LLC
307 Seventh Avenue New York NY 10001 P: 212.352.3307 F: 212.352.9256 mdsaj.com

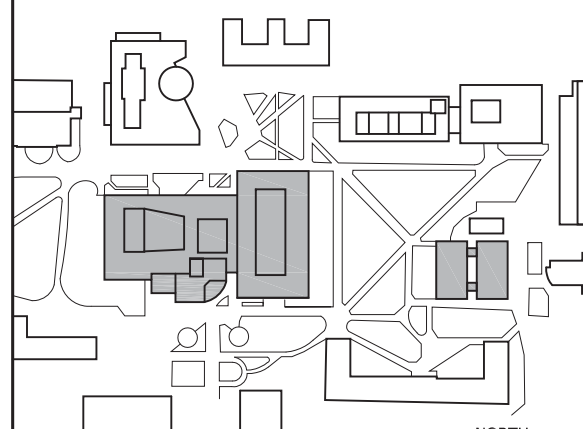
MDSZERBATY ASSOCIATES ARCHITECTURE
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FACULTY OFFICE BUILDING

County of: Project No.:
ULSTER 081047-00



Key/Location Plan

Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
FOB CONSTRUCTION ROOF PLAN
AND ENLARGED SECTIONS

Seal & Signature:



Drawn By: JASON CAMPAGNA

Checked By: JOHN O'CONNOR

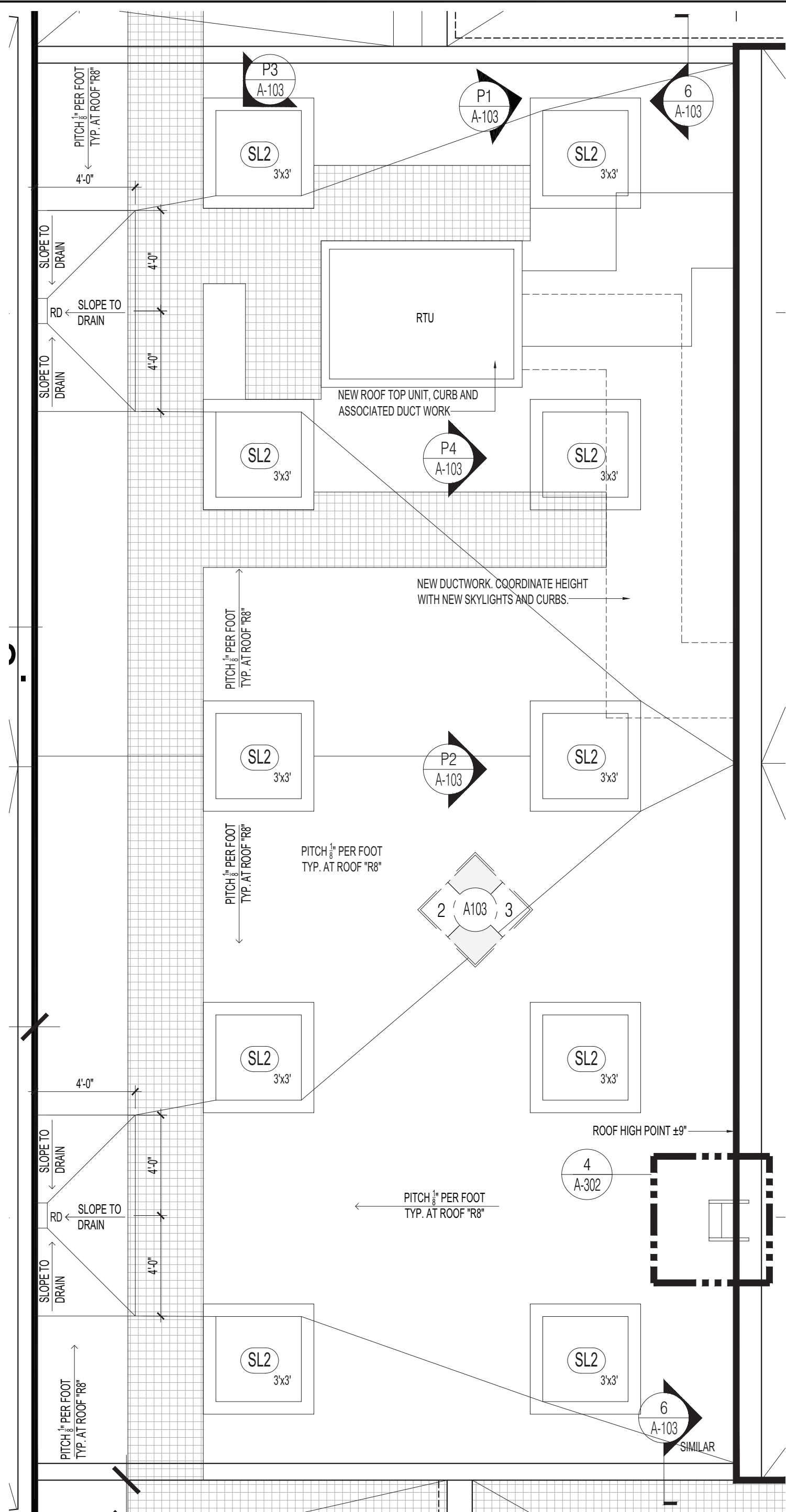
Date: JANUARY 8, 2021

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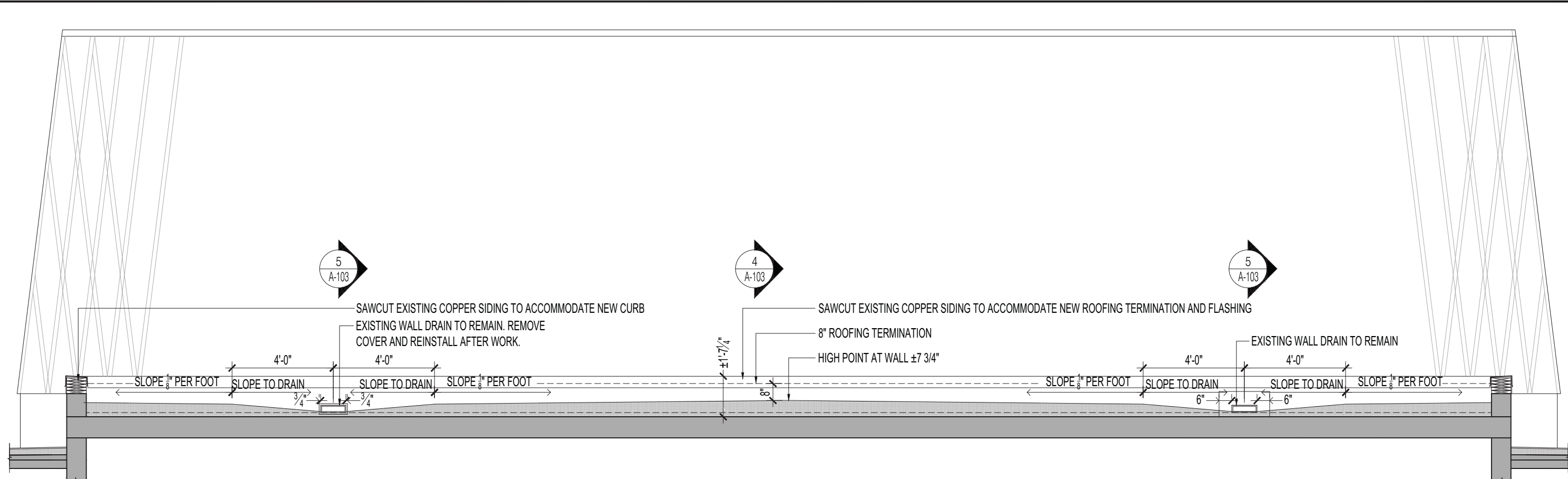
Drawing No.:

A102.00

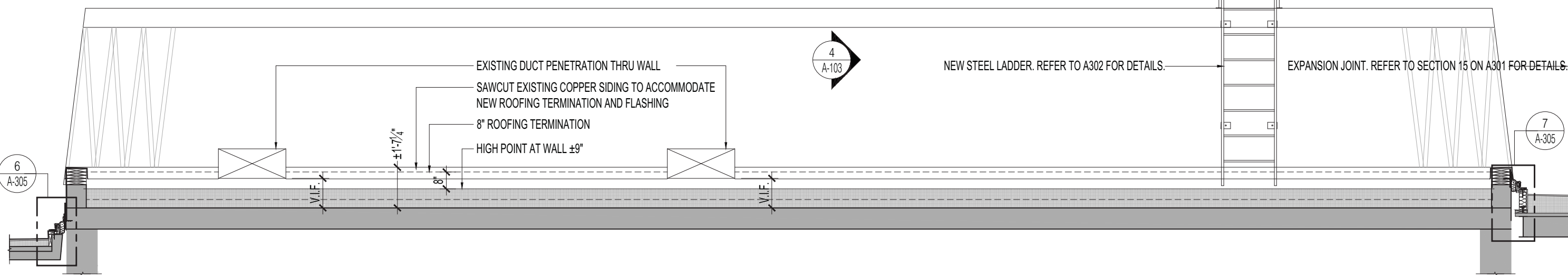
Sheet 9 of 47



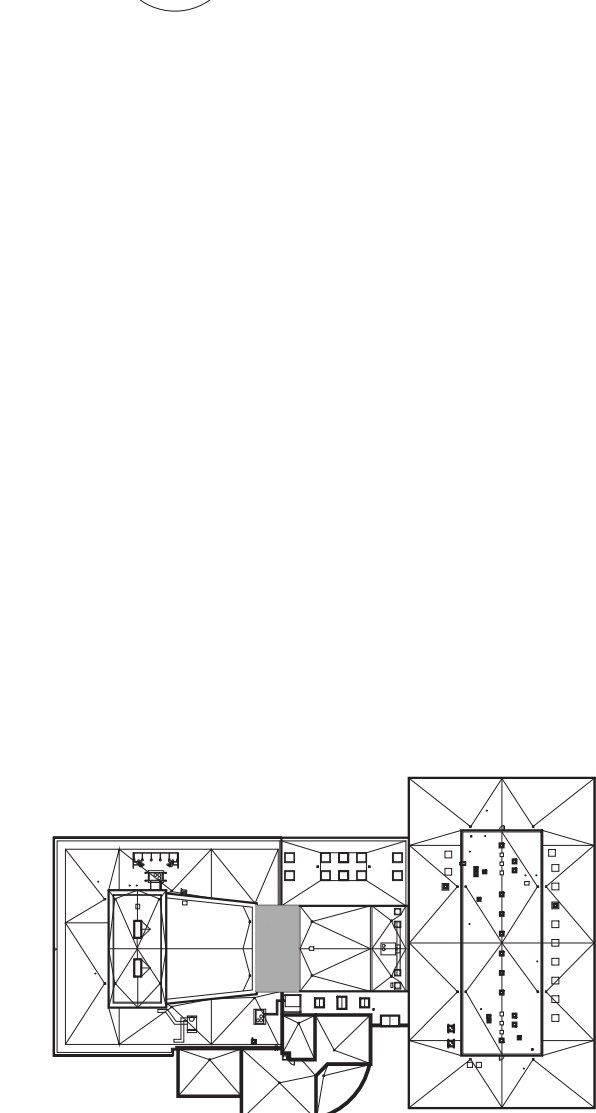
1 PARTIAL ROOF CONSTRUCTION PLAN AT ROOF "R8"
A103 SCALE: 1/4" = 1'-0"



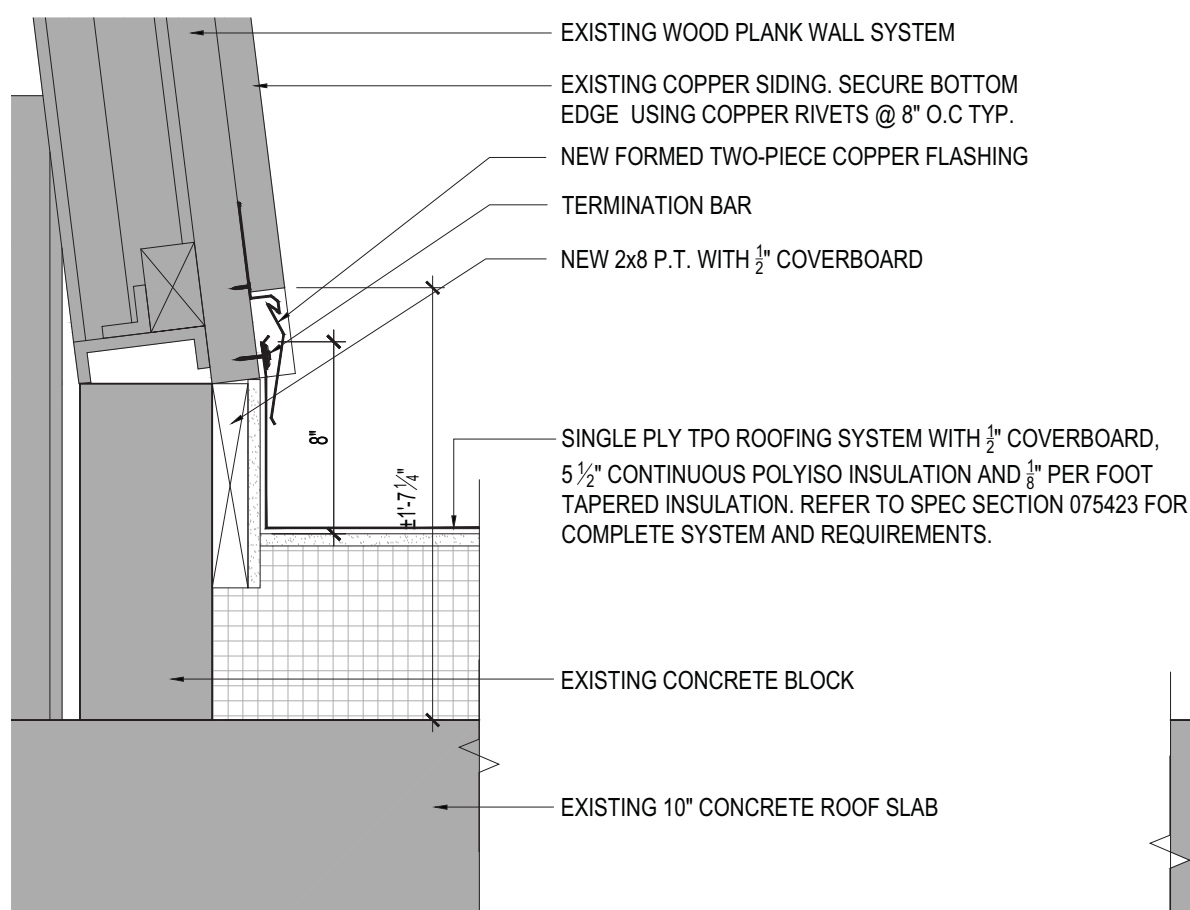
2 ELEVATION AT ROOF "R8"
A103 SCALE: 1/4" = 1'-0"



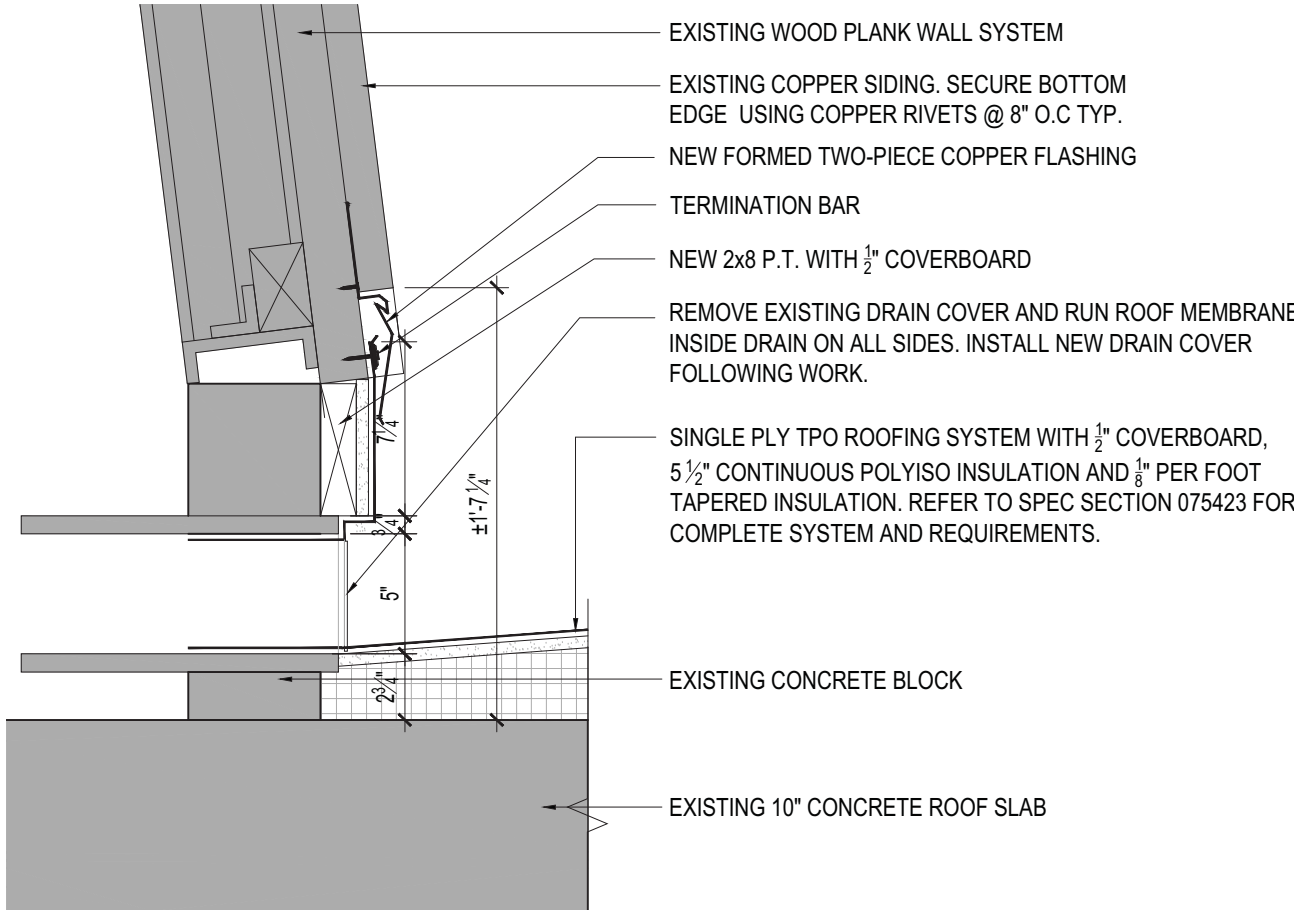
3 ELEVATION AT ROOF "R8"
A103 SCALE: 1/4" = 1'-0"



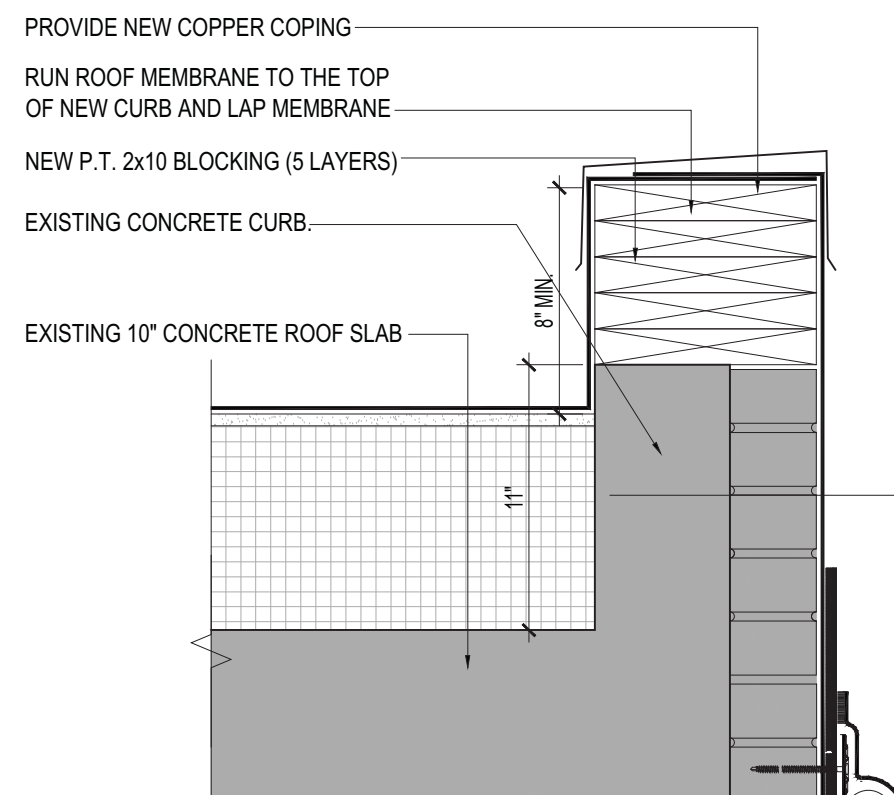
ROOF R8



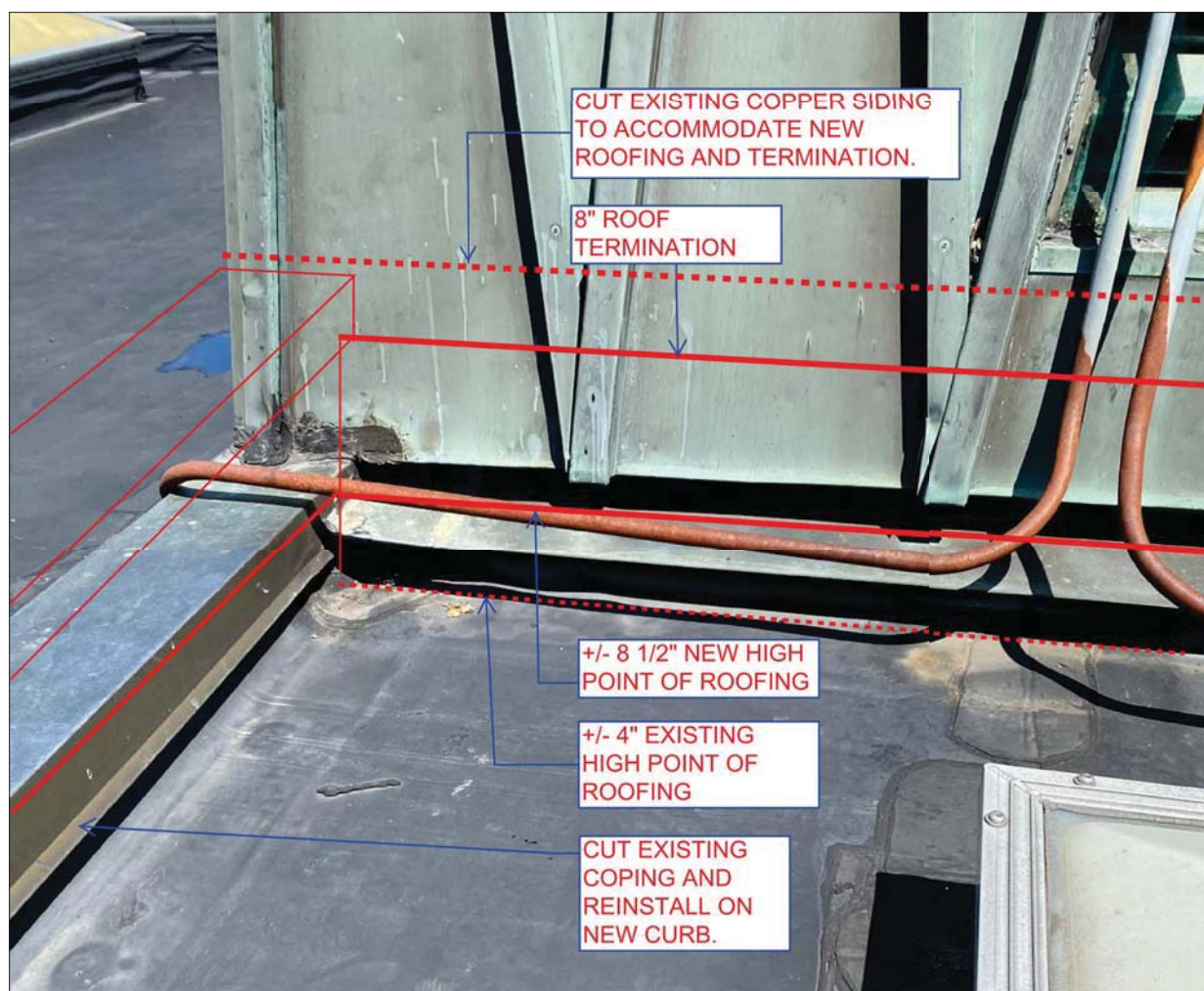
4 SECTION AT ROOF "R8" ROOFING TERMINATION
A103 SCALE: 1 1/2" = 1'-0"



5 SECTION AT ROOF "R8" EXISTING ROOF WALL DRAINS
A103 SCALE: 1 1/2" = 1'-0"



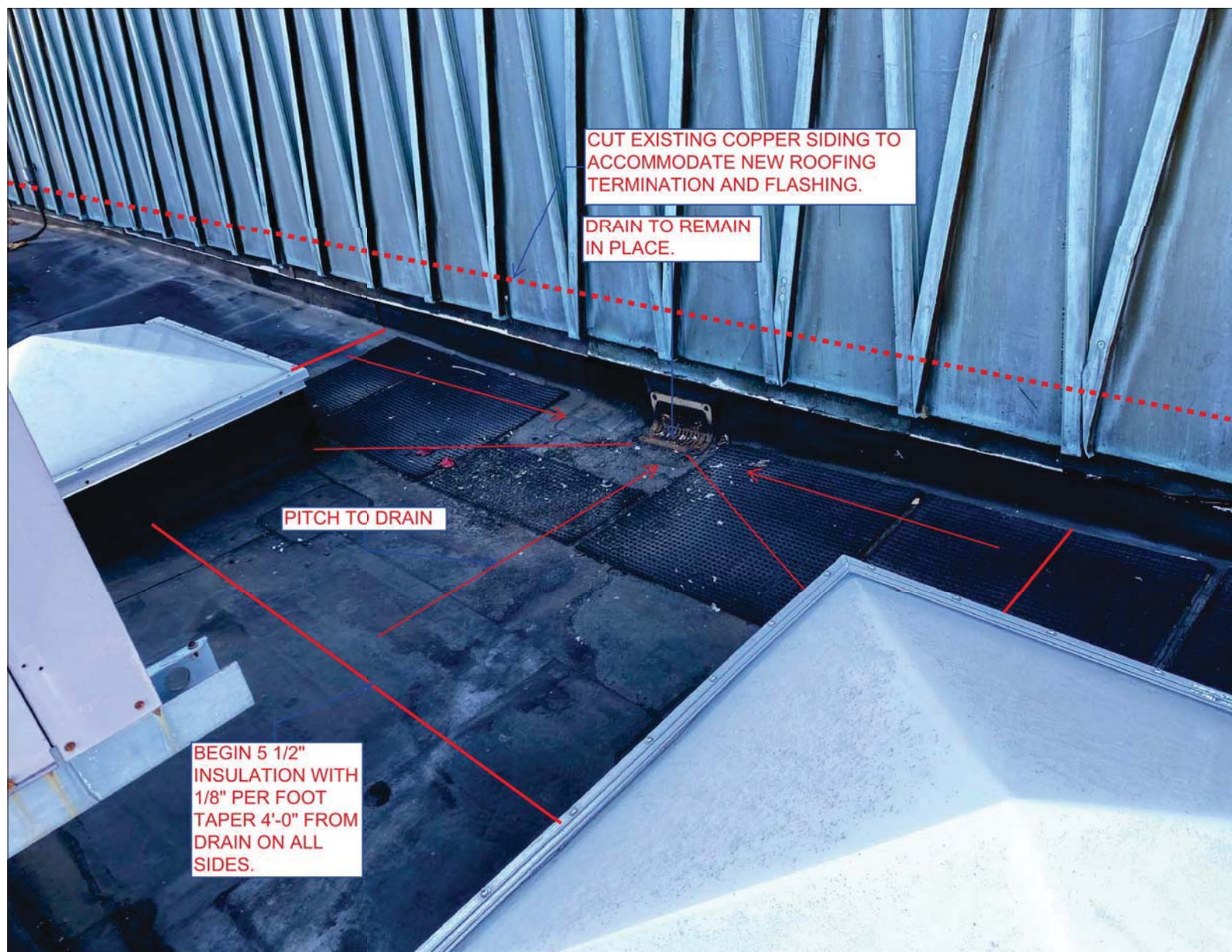
6 SECTION AT ROOF "R8" CURB
A103 SCALE: 1 1/2" = 1'-0"



P1 PHOTO 1 AT ROOF "R8" COPING
A103 SCALE: NOT TO SCALE



P2 PHOTO 2 AT ROOF "R8" EXISTING WALL VENTS
A103 SCALE: NOT TO SCALE



P3 PHOTO 3 AT ROOF "R8" WALL DRAIN
A103 SCALE: NOT TO SCALE



P4 PHOTO 4 AT ROOF "R8" WALL DRAIN
A103 SCALE: NOT TO SCALE



PROGRAM UNIT:



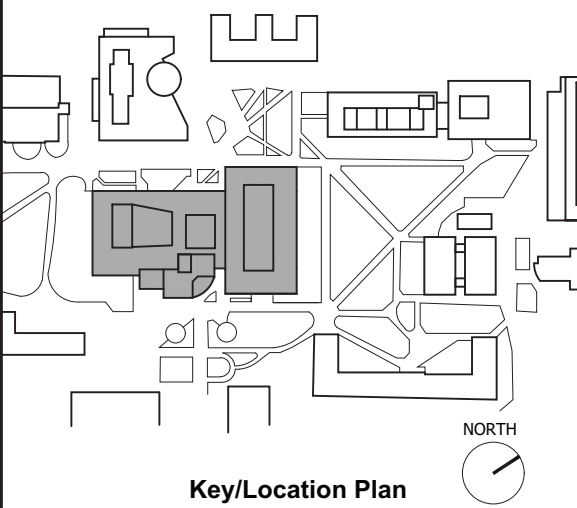
MDSzerbatty Associates Architecture LLC
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SMILEY ARTS BUILDING,
COLLEGE THEATRE, DORSKY
MUSEUM AND
FACULTY OFFICE BUILDING

County of: Project No.:
ULSTER 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
ROOF "R8" CONSTRUCTION PLAN

Seal & Signature:



Drawn By: John O'Connor

Checked By:

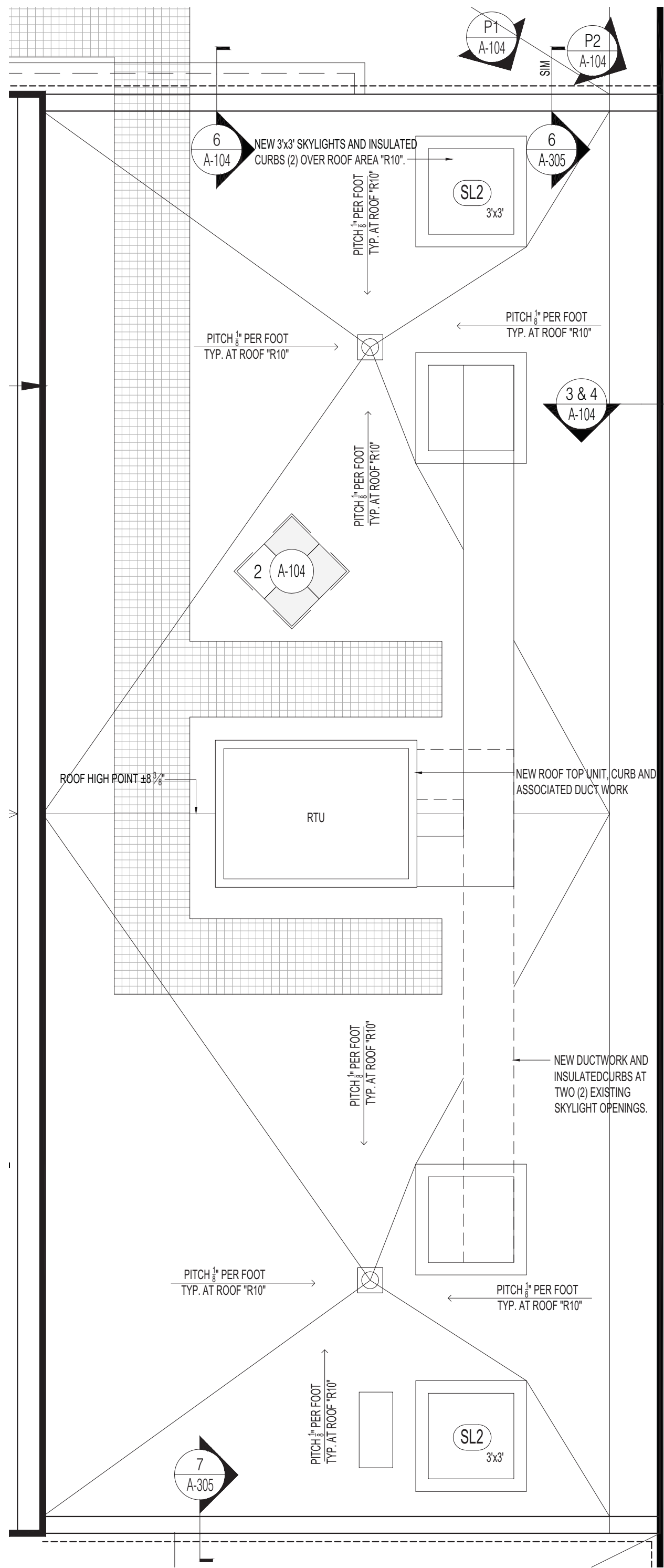
Date: JANUARY 8, 2021

Scale: AS NOTED

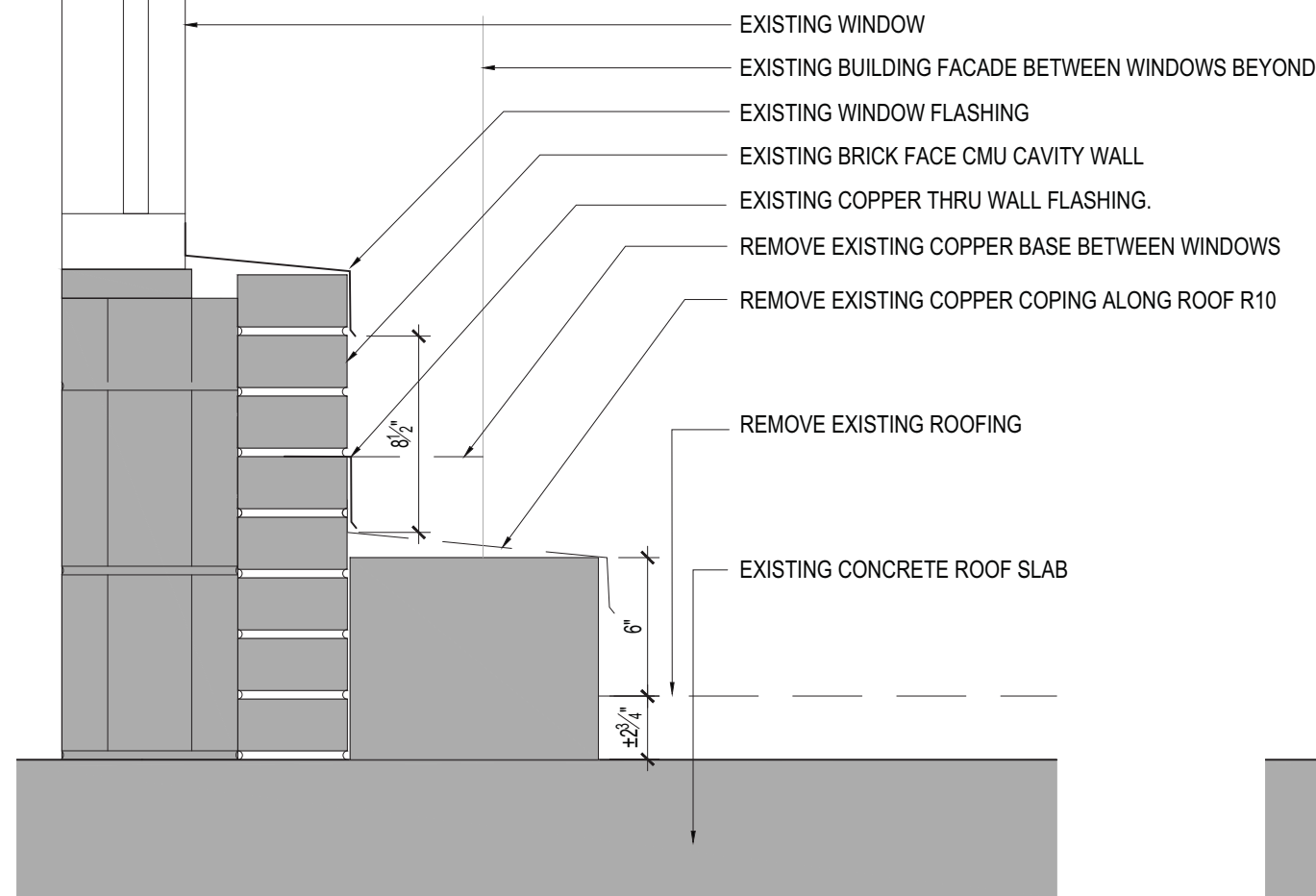
Drawing No.:

A103.00

Sheet 10 of 47



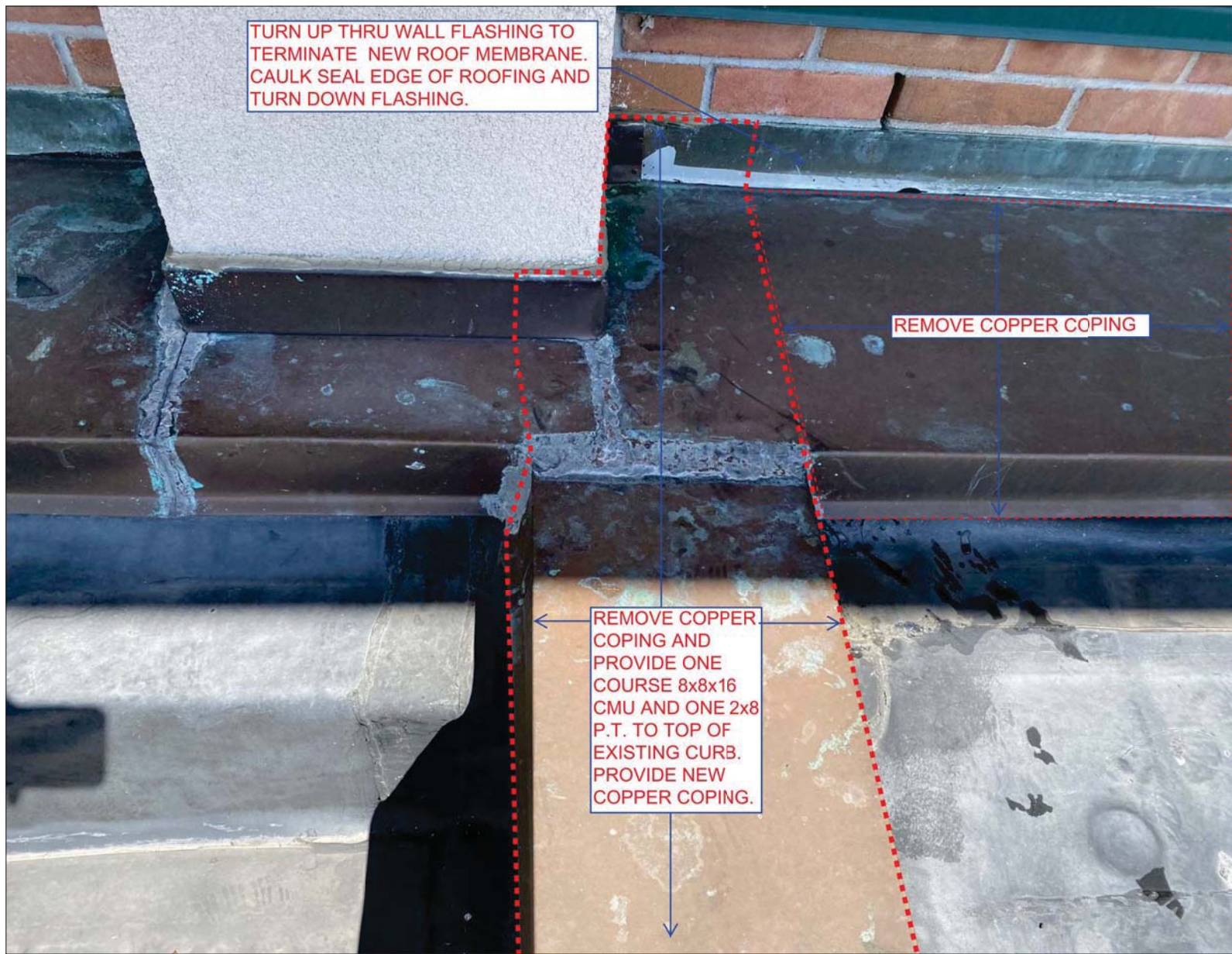
1 PARTIAL ROOF CONSTRUCTION PLAN AT ROOF "R10"
A104 SCALE: 1/4" = 1'-0"



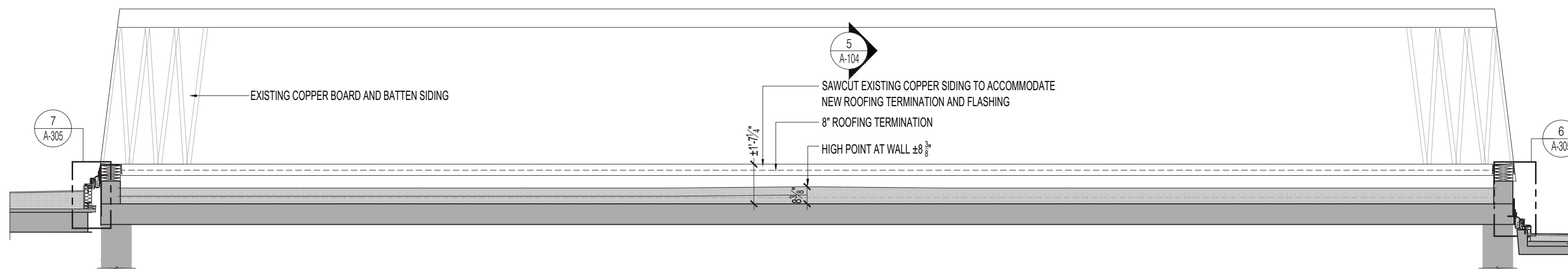
3 SECTION OF REMOVAL AT ROOF "R10" WINDOW CURB
A104 SCALE: 1 1/2" = 1'-0"



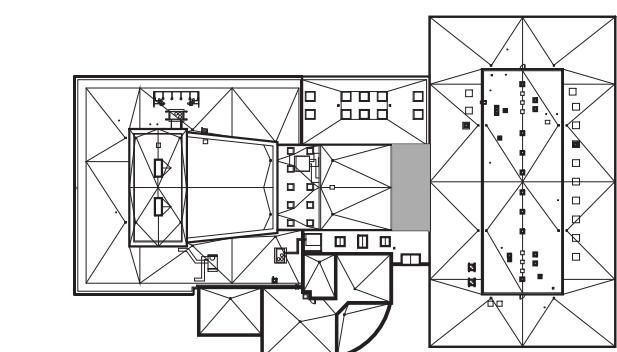
P1 PHOTO 1 AT ROOF "R10" WINDOWS
A104 SCALE: NOT TO SCALE



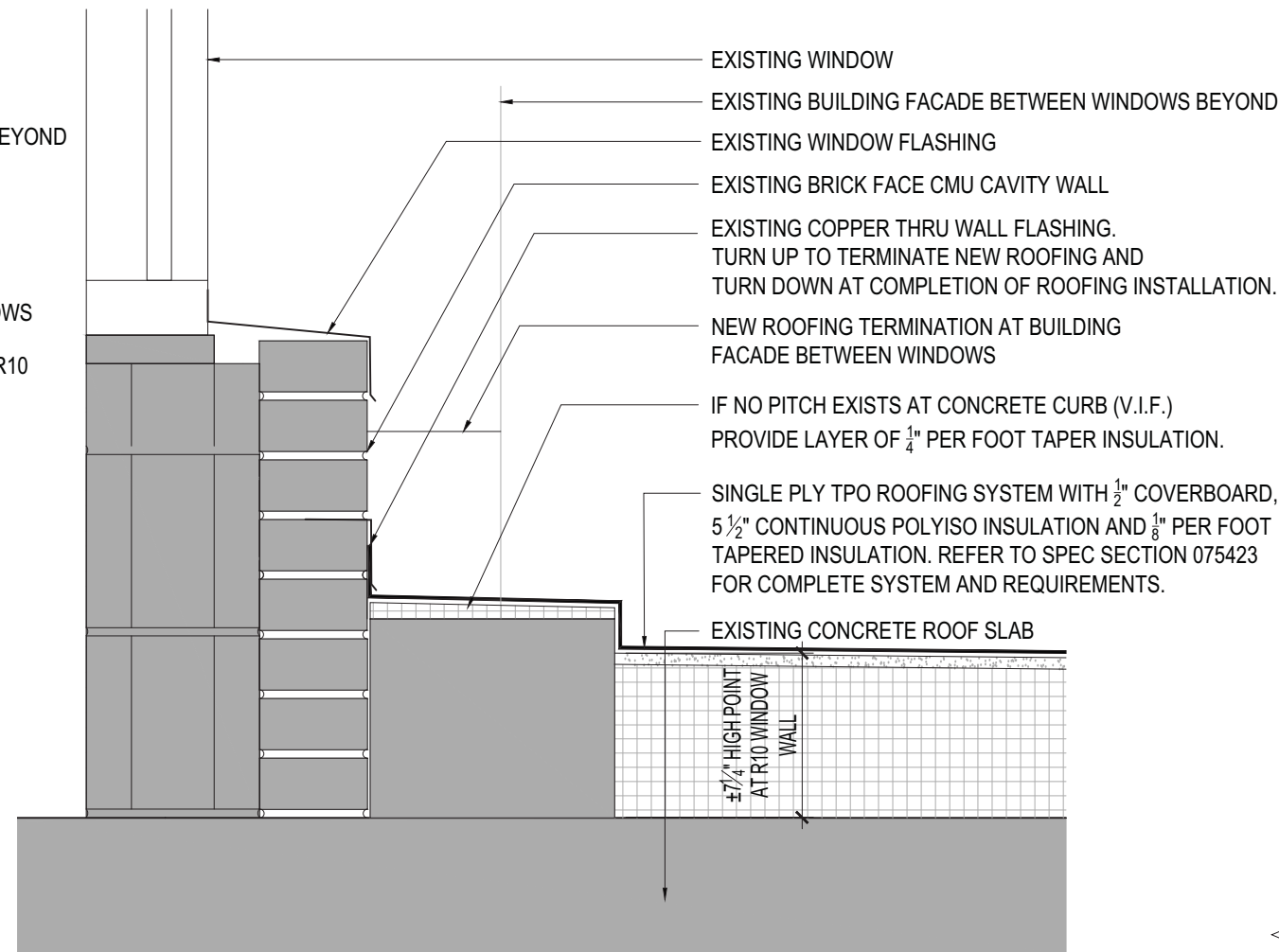
P2 PHOTO 2 AT ROOF "R10" CURBS
A104 SCALE: NOT TO SCALE



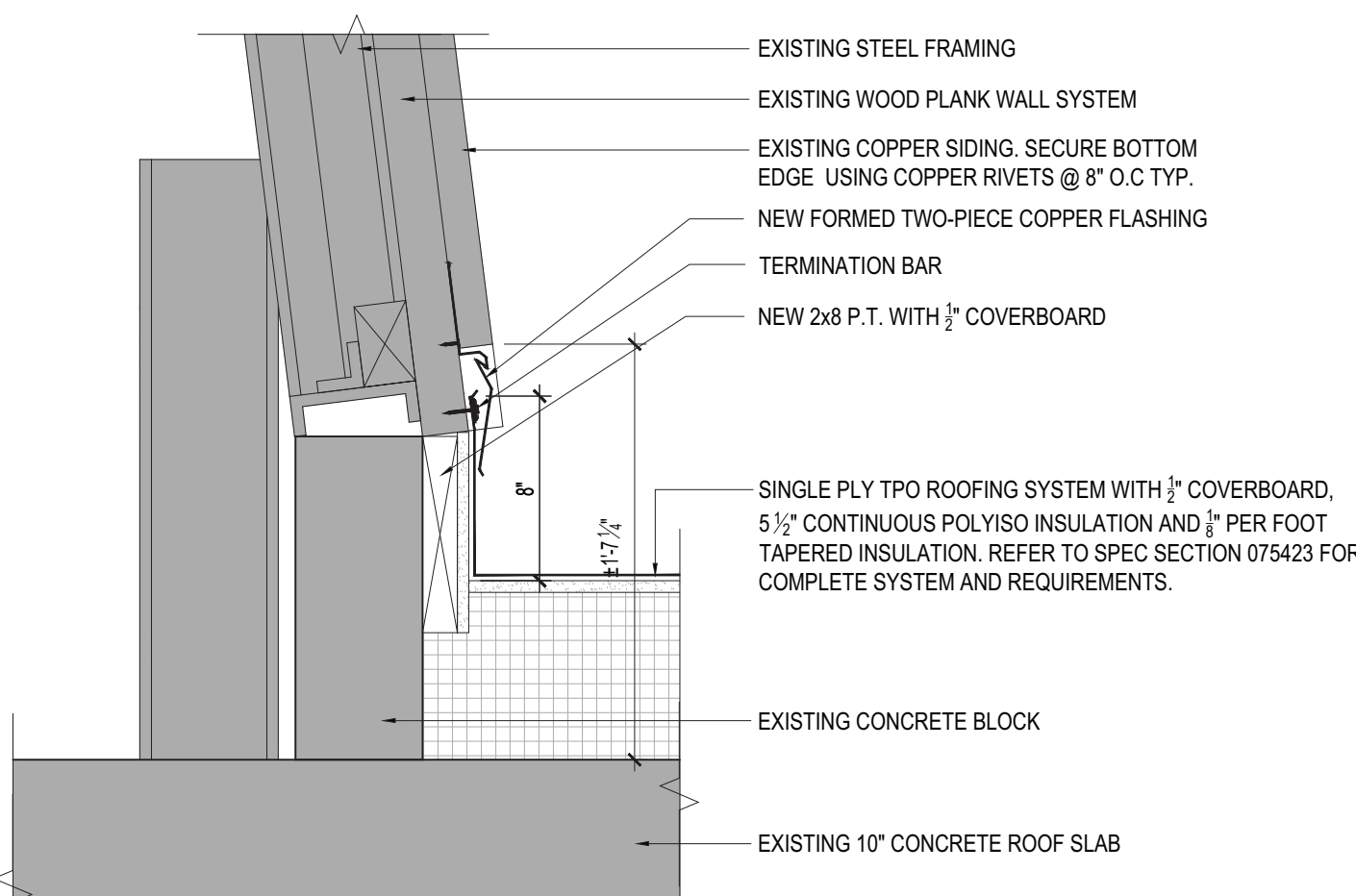
2 ELEVATION AT ROOF "R10"
A104 SCALE: 1/4" = 1'-0"



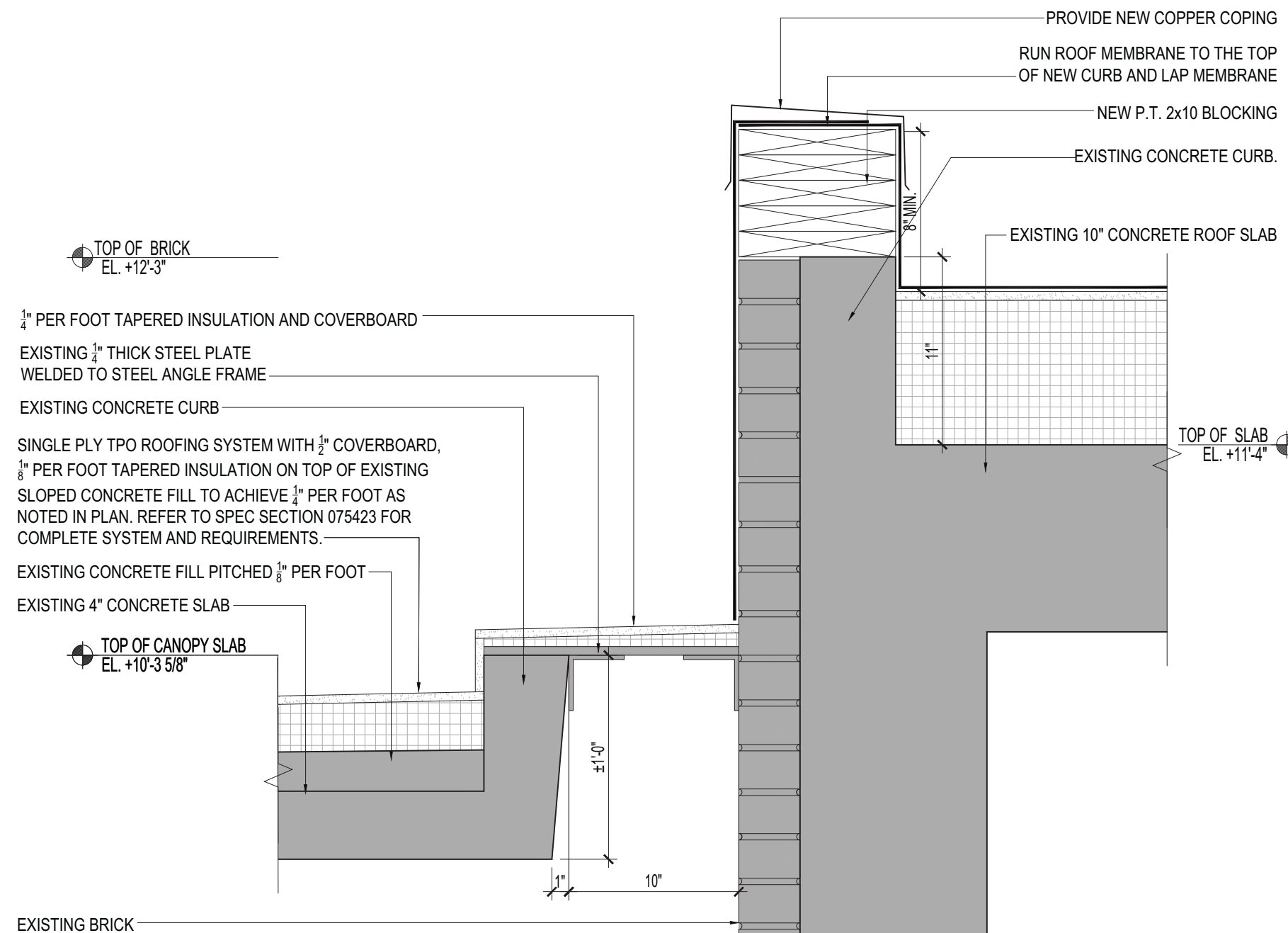
ROOF R10



4 SECTION AT ROOF "R10" WINDOW CURB
A104 SCALE: 1 1/2" = 1'-0"



5 SECTION AT ROOF "R10" ROOFING TERMINATION
A104 SCALE: 1 1/2" = 1'-0"



6 SECTION AT ROOF "R5" ROOF TO WALL TERMINATION
A104 SCALE: 1 1/2" = 1'-0"



PROGRAM UNIT:

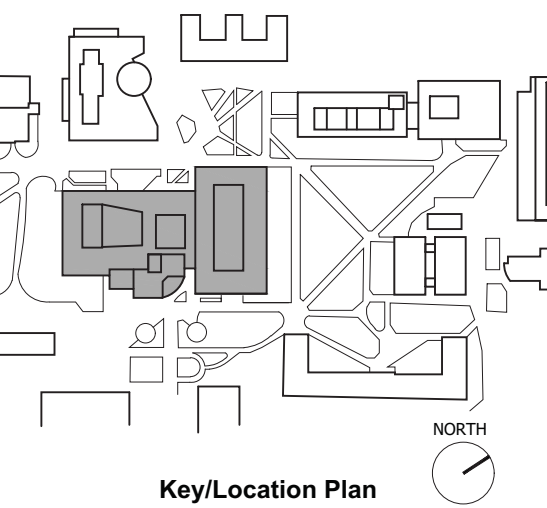


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County of: Project No.:
ULSTER 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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BUILDING

Project No.: 081047-00

Drawing Title:
ROOF "R10" CONSTRUCTION PLAN

Seal & Signature:



Drawn By: John O'Connor

Checked By:

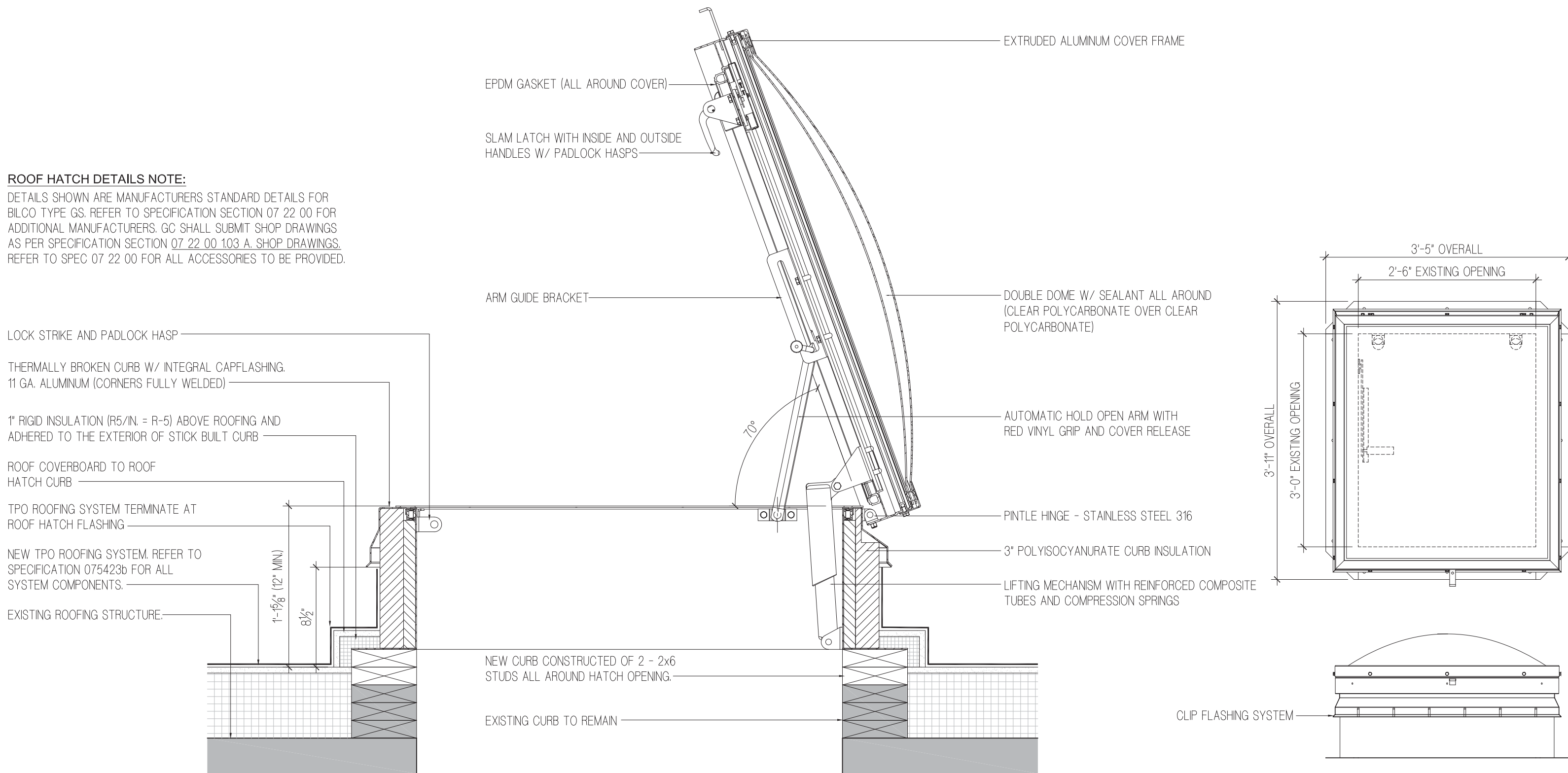
Date: JANUARY 8, 2021

Scale: AS NOTED

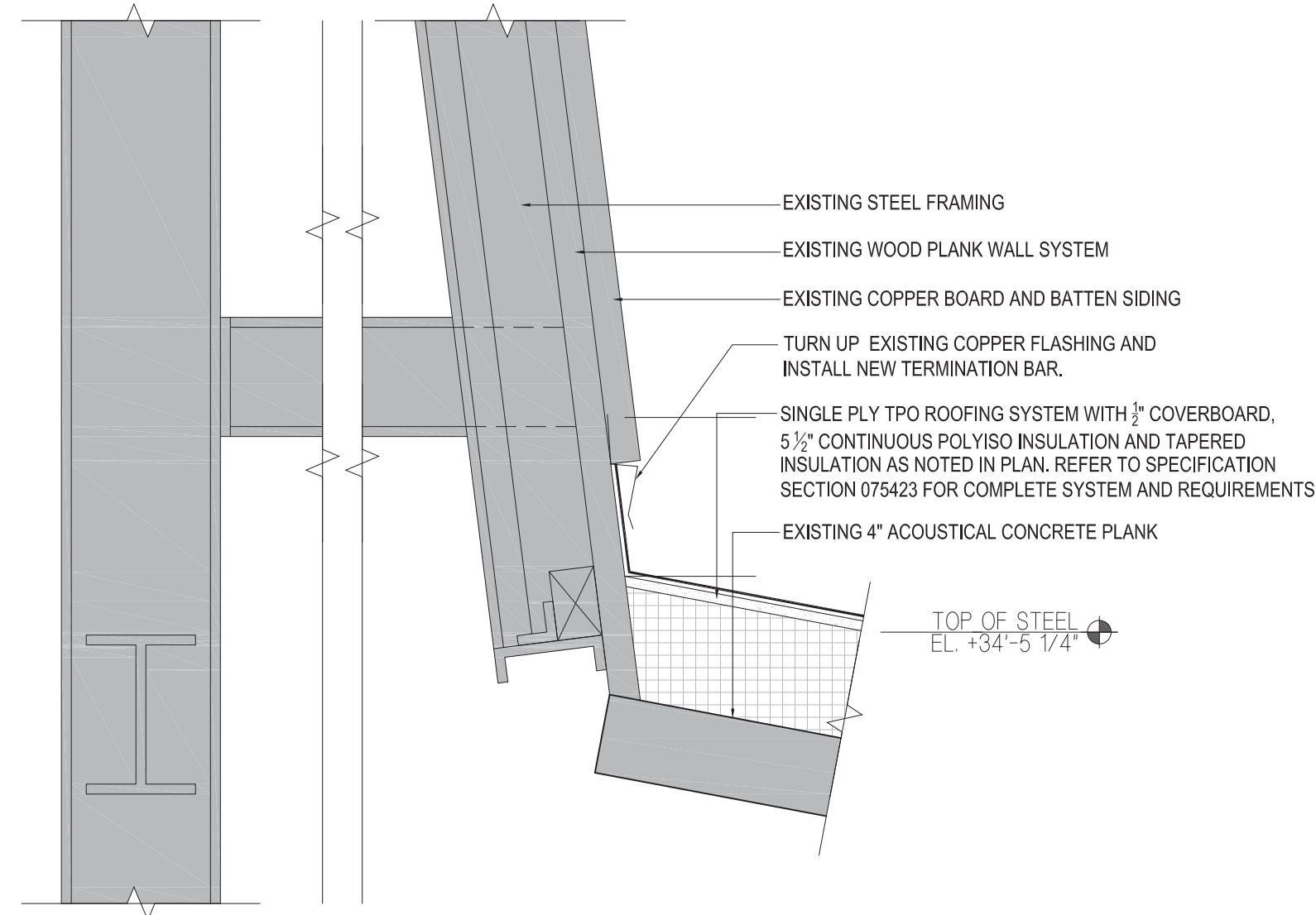
Drawing No.:

A104.00

Sheet 11 of 47

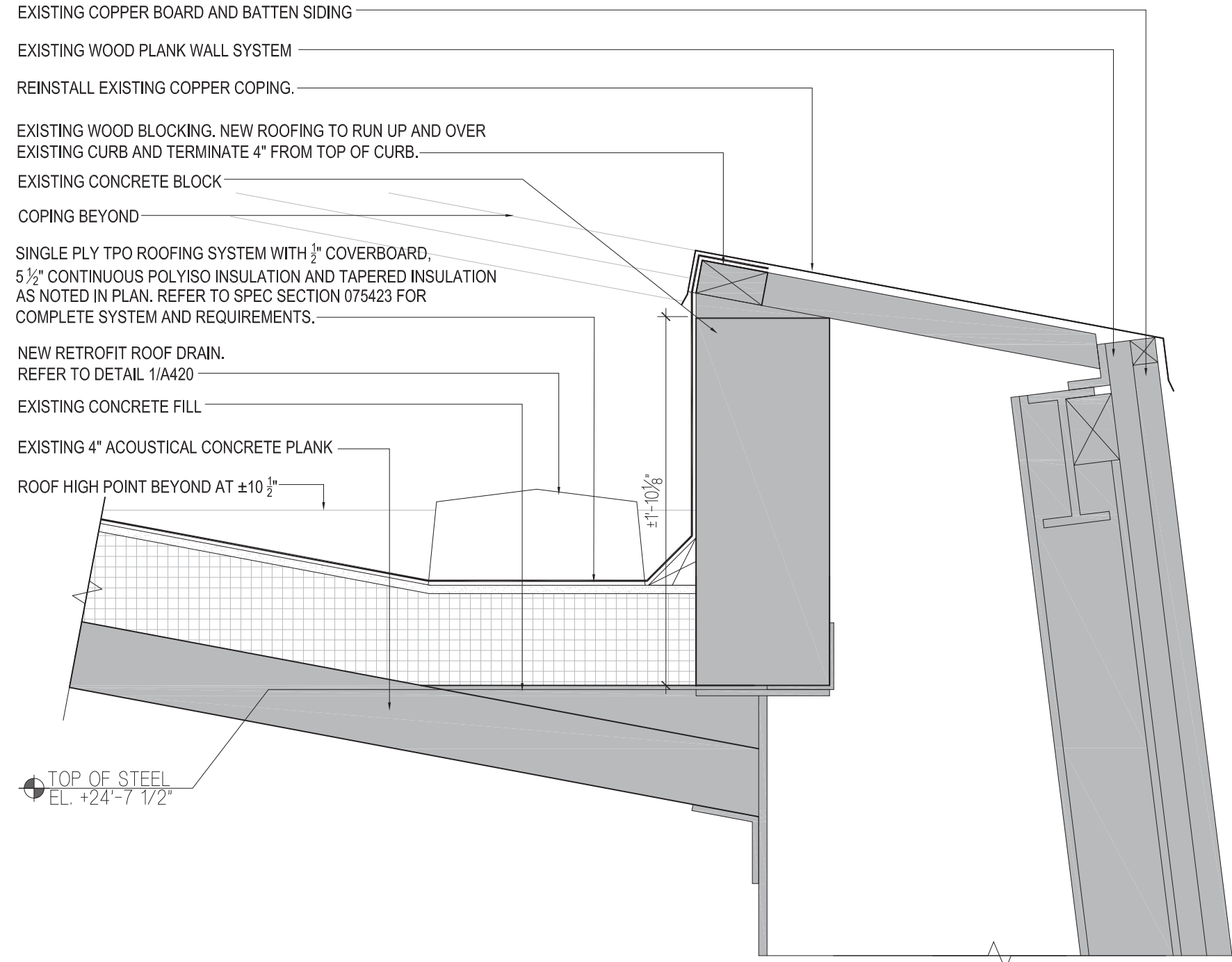


1 SECTION OF ROOF ACCESS HATCH AT ROOF "R-7" & "R-6"
A304 SCALE: 1 1/2" = 1'-0"

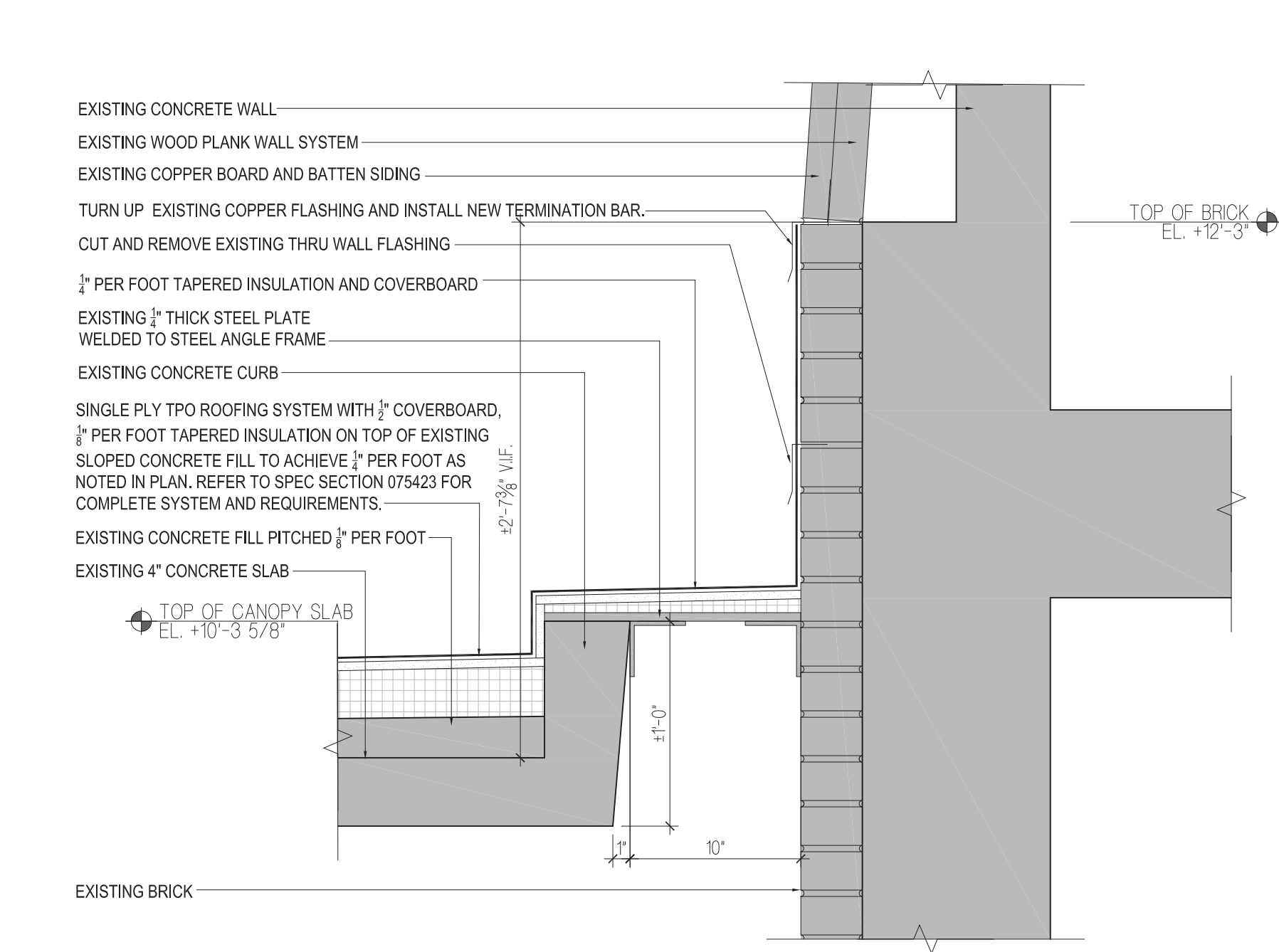


4 SECTIONS OF ROOF "R-7" AT TOP & BOTTOM OF SLOPED ROOF
A304 SCALE: 1 1/2" = 1'-0"

2 ROOF ACCESS HATCH PILAN AND ELEVATION
A304 SCALE: 3/4" = 1'-0"



3 SECTION OF ROOF ACCESS DOOR THRESHOLD
A304 SCALE: 1 1/2" = 1'-0"



5 SECTION
A304 SCALE: 1 1/2" = 1'-0"

AT PHOTOCELL OPENING AT ROOF "R-5"



PROGRAM UNIT:



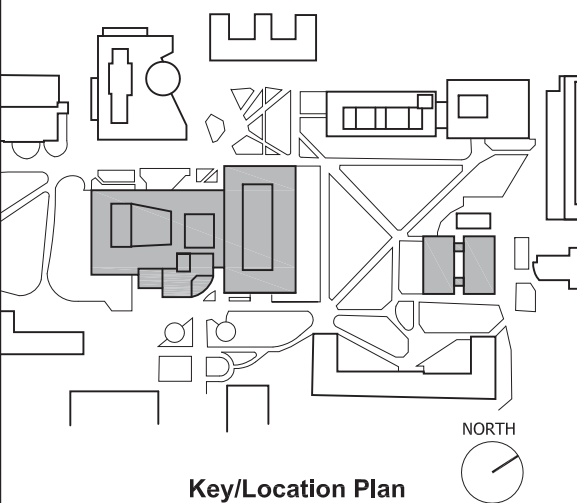
MDSzerbatty Associates Architecture LLC
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County of: Project No.:
ULSTER 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
MISCELLANEOUS SECTIONS AND DETAILS

Seal & Signature:



Drawn By: JASON CAMPAGNA

Checked By: JOHN O'CONNOR

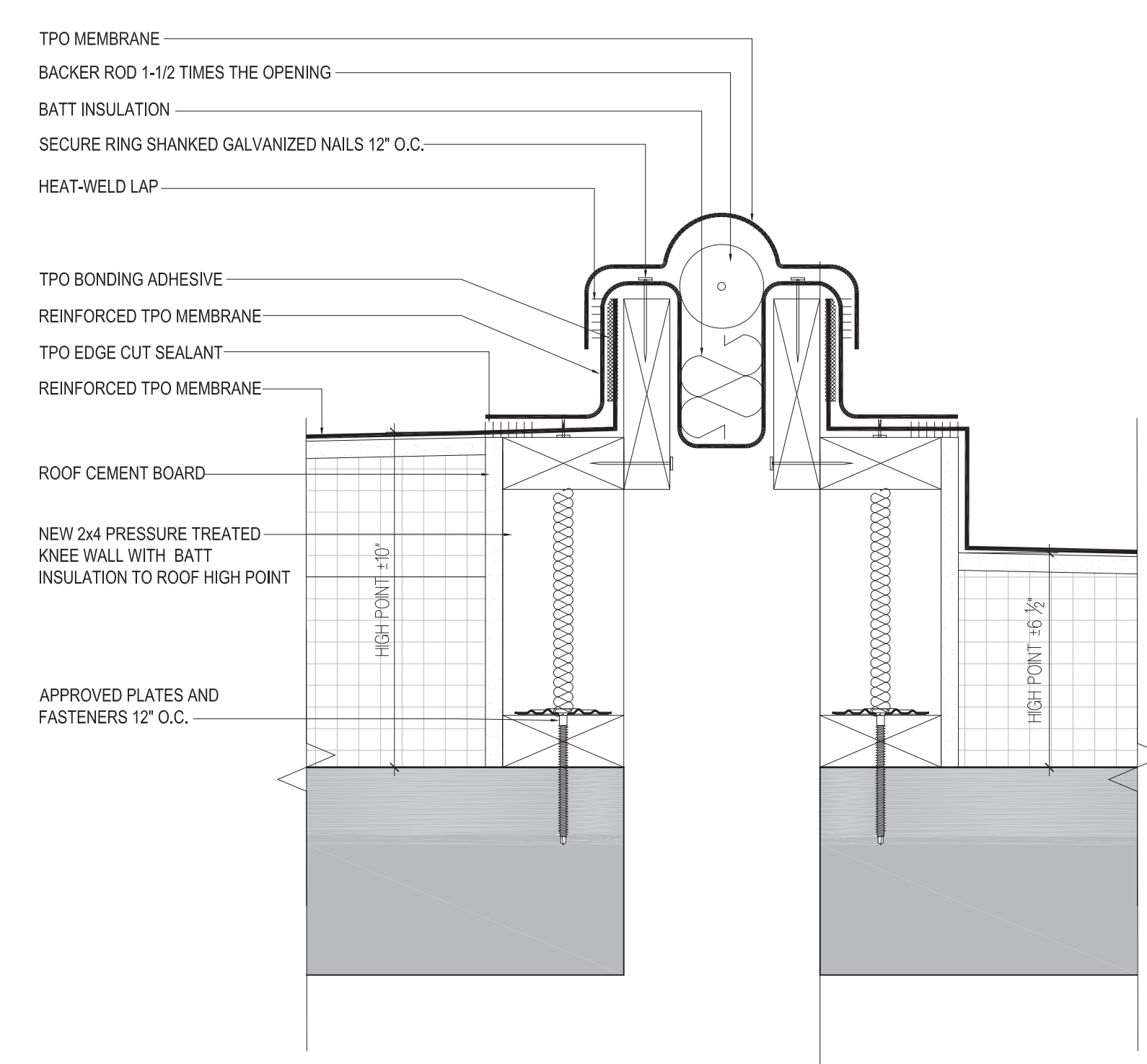
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Scale: AS NOTED

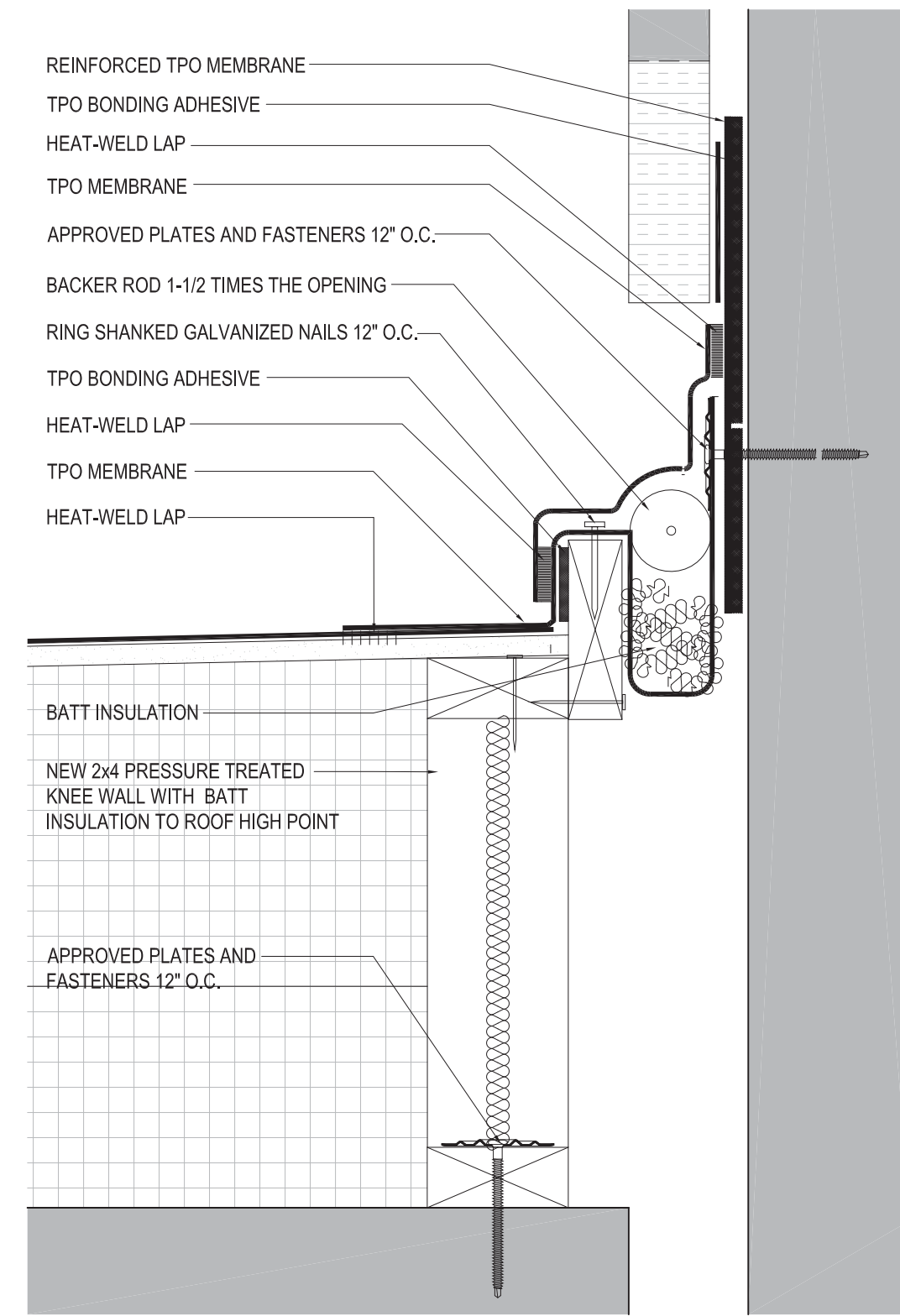
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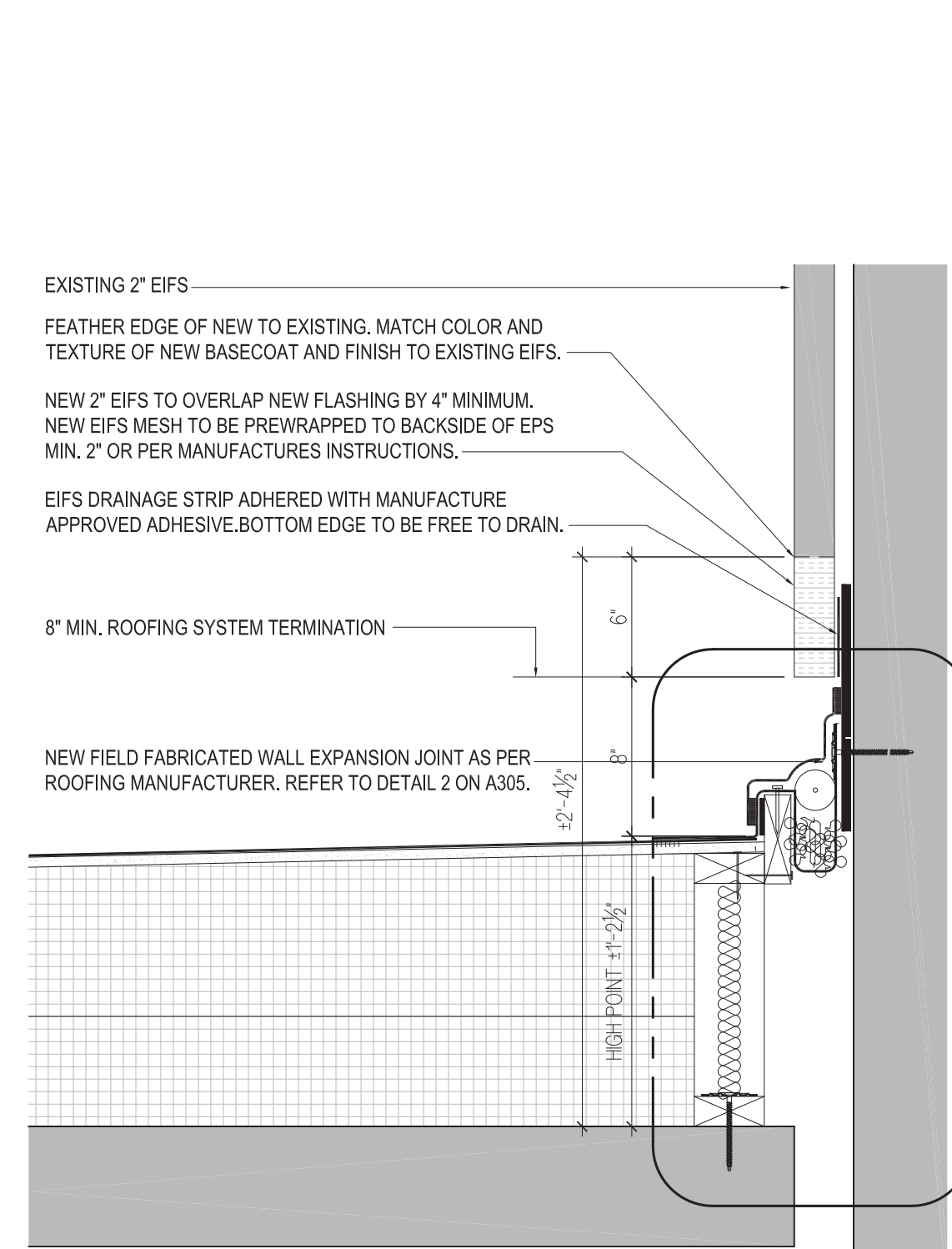
Sheet 15 of 47



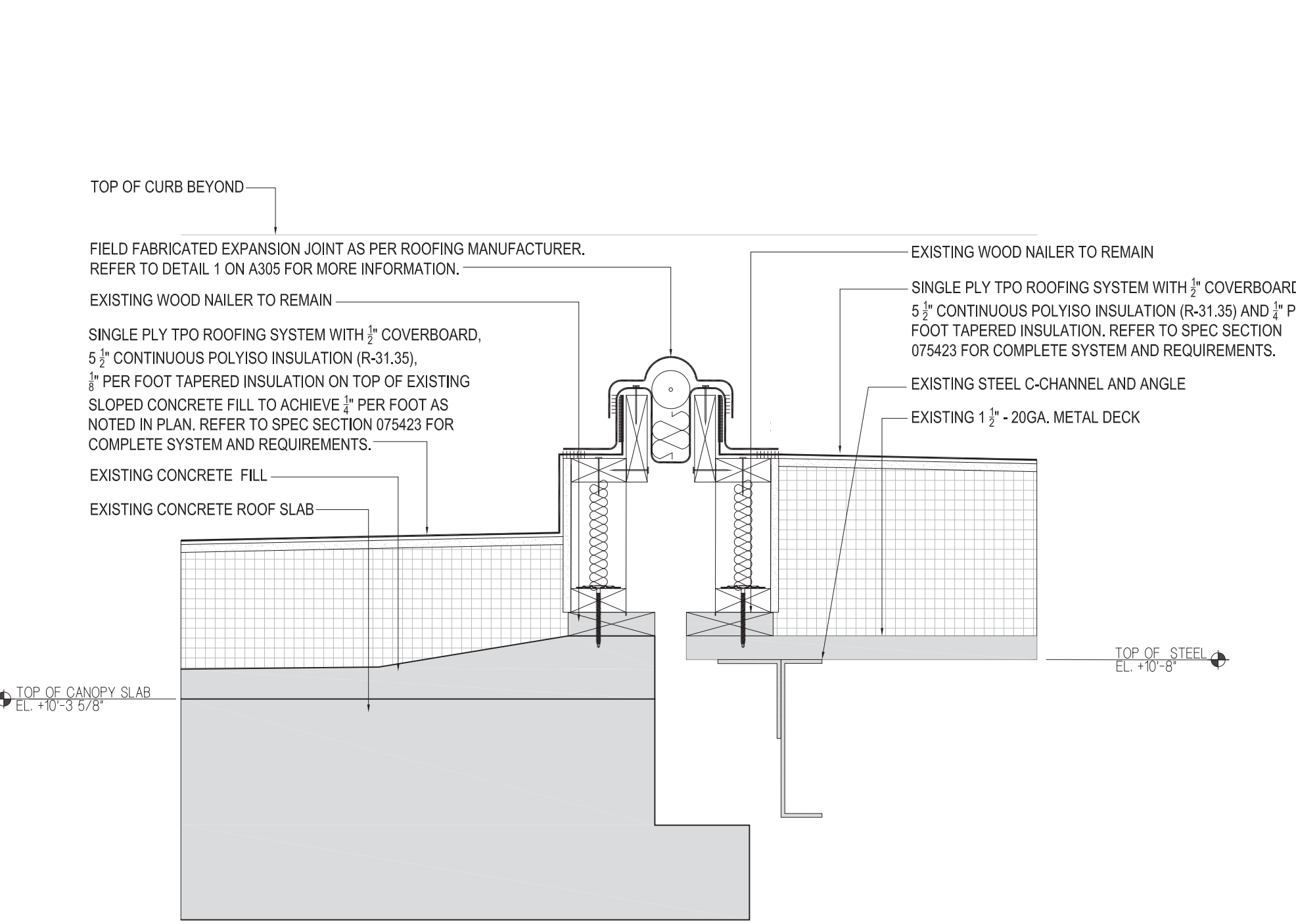
1 TYPICAL EXPANSION JOINT DETAIL
A305 SCALE: 3' = 1'-0" AT CURB TO CURB



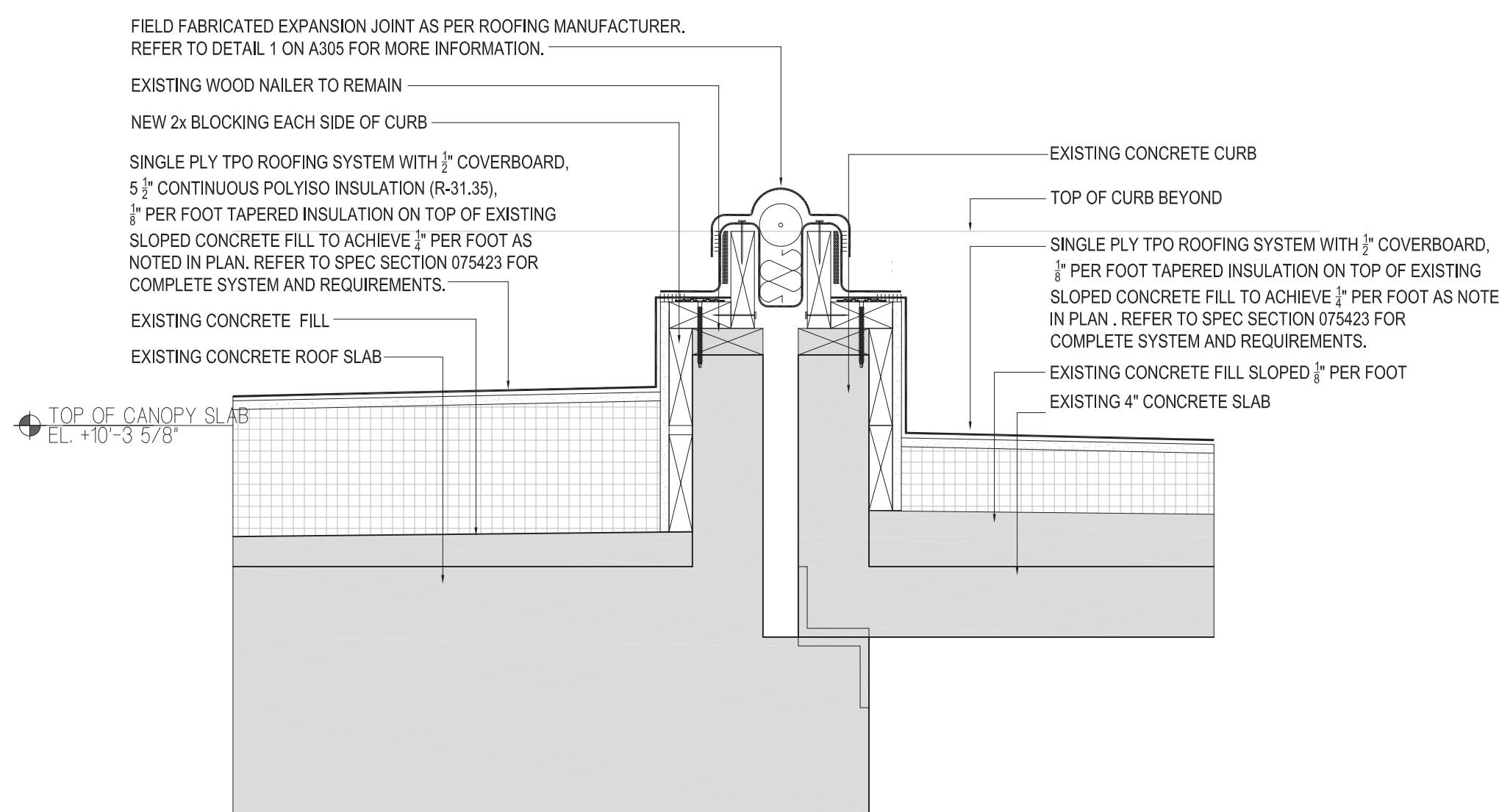
2 TYPICAL EXPANSION JOINT DETAIL
A305 SCALE: 3' = 1'-0" AT CURB TO WALL



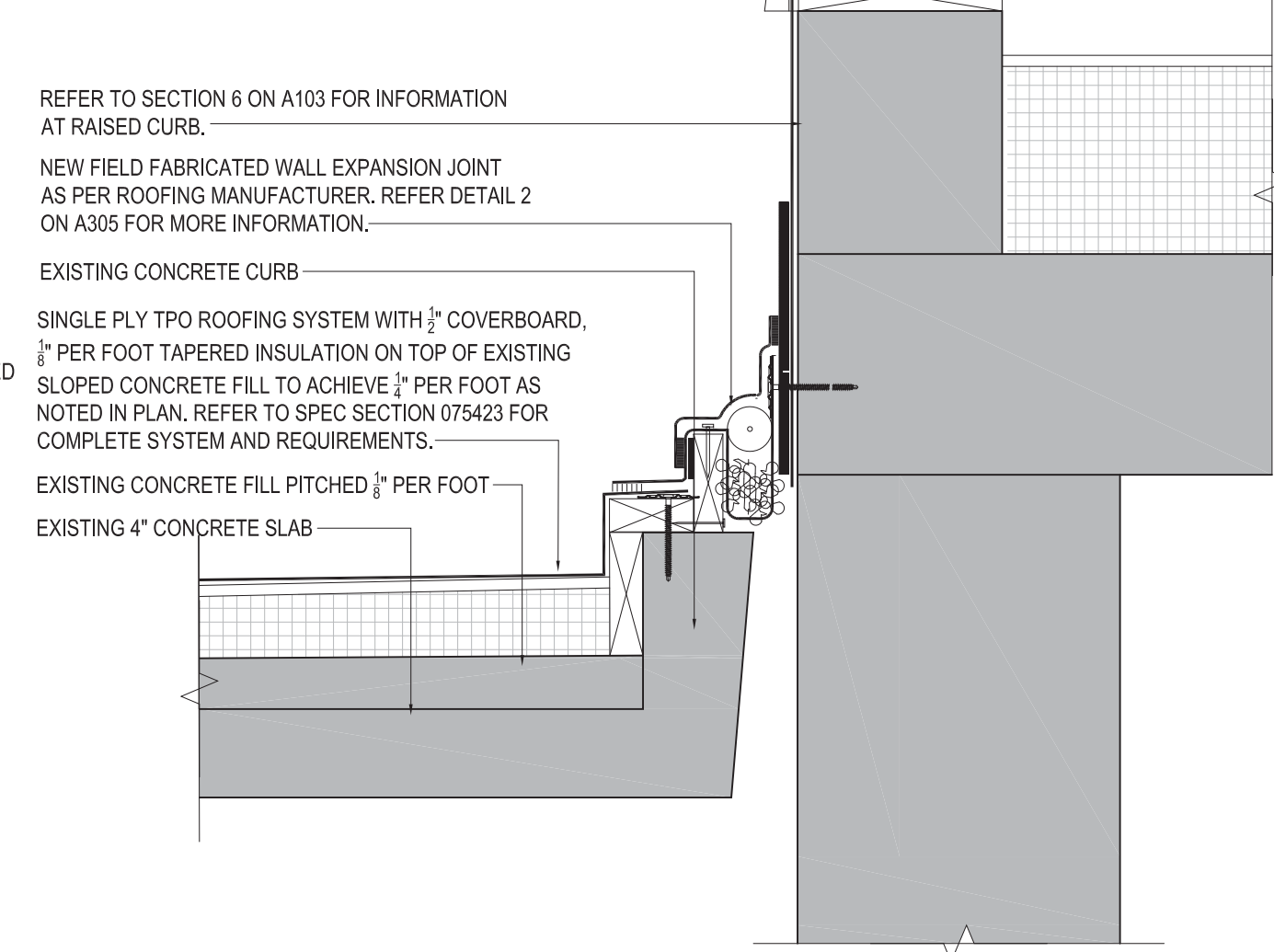
3 EXPANSION JOINT SECTION
A305 SCALE: 1 1/2' = 1'-0" AT DORSKY MUSEUM



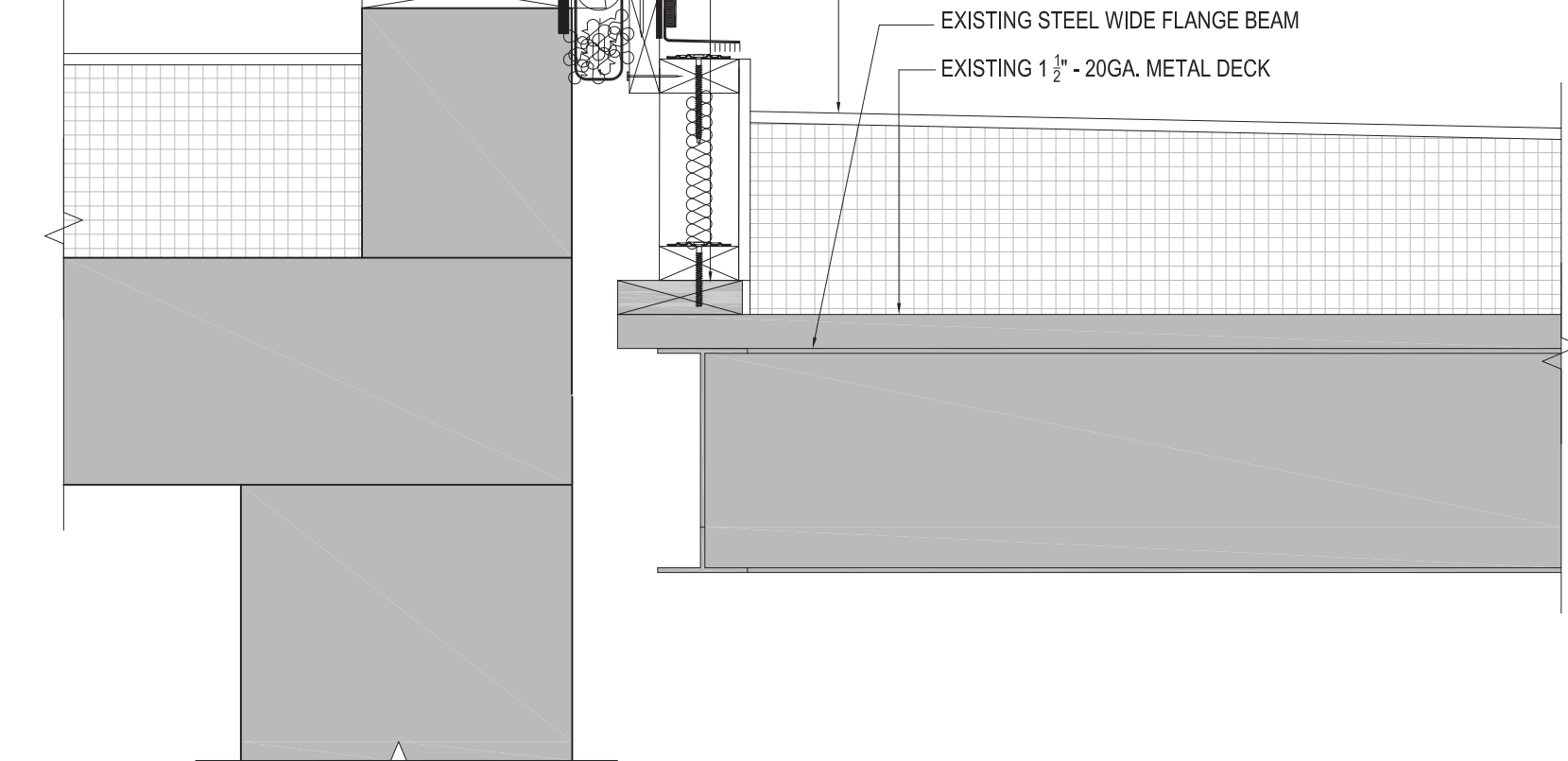
4 EXPANSION JOINT SECTION
A305 SCALE: 1 1/2' = 1'-0" AT CURB BETWEEN ROOF R4 AND R3



5 EXPANSION JOINT SECTION
A305 SCALE: 1 1/2' = 1'-0" AT CURB BETWEEN ROOF R4 AND R5



6 EXPANSION JOINT SECTION
A305 SCALE: 1 1/2' = 1'-0" AT RAISED CURB BETWEEN ROOF R5 AND R8/R10



7 EXPANSION JOINT SECTION
A305 SCALE: 1 1/2' = 1'-0" AT RAISED CURB BETWEEN ROOF R3 AND R8/R10



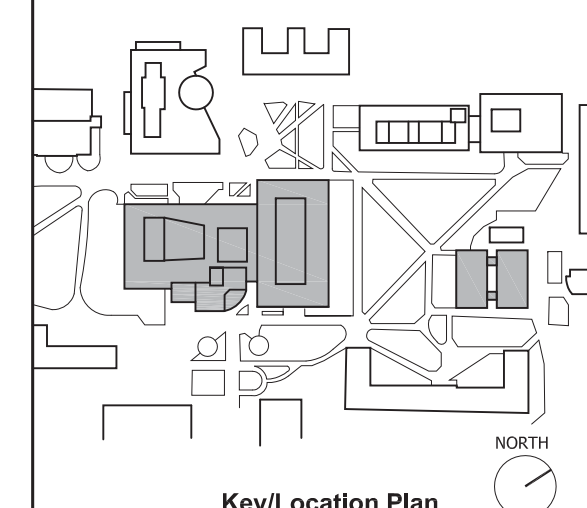
PROGRAM UNIT:

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MDSzerbaty Associates Architecture LLC
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County of: ULSTER **Project No.:** 081047-00



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BUILDING

Project No.: 081047-00

Drawing Title:
EXPANSION JOINT SECTIONS AND DETAILS

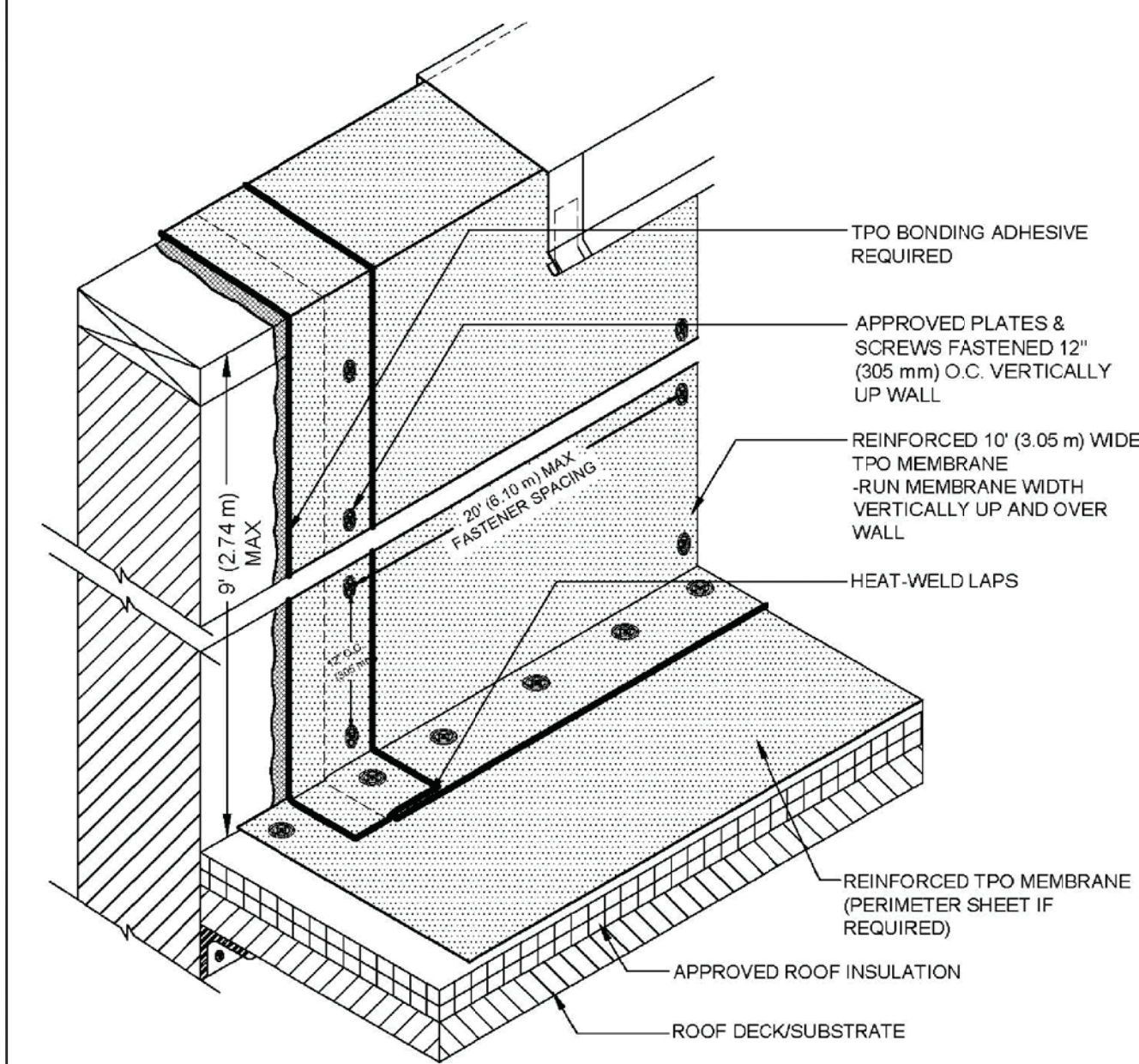
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Date: JANUARY 8, 2021
Scale: AS NOTED

Drawing No.:
A305.00

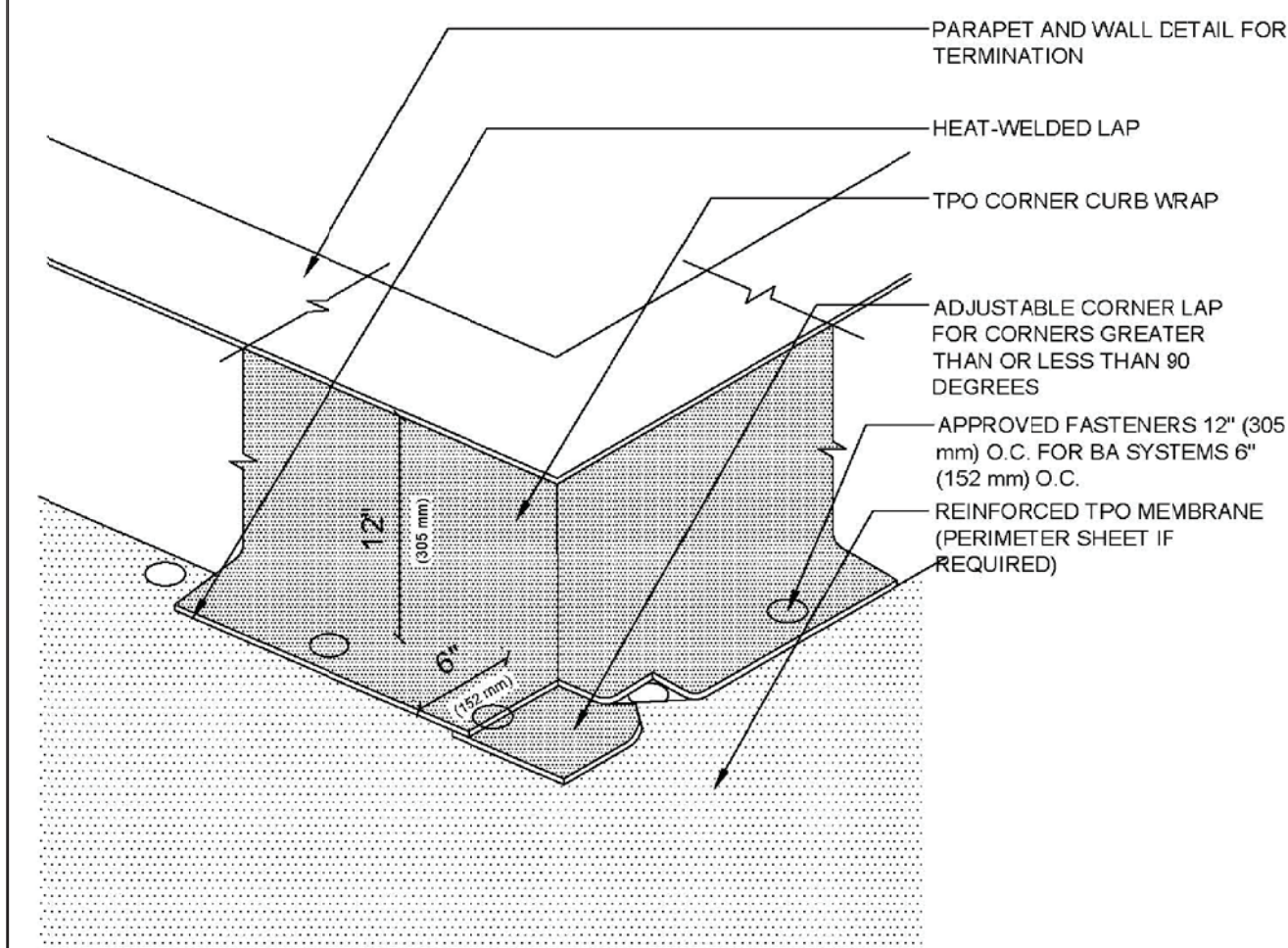
Sheet 16 of 47



NOTES

1. MUST BE FASTENED VERTICALLY ON THE WALL A MINIMUM 10' (3.05 m) FROM ALL ENDS OR CORNERS OF WALL, THEN MAX 20' (6.10 m) THEREAFTER. DRILL-TEC FASTENERS SPACED 12" (305 mm) O.C.
2. MAX PARAPET WALL HEIGHT NOT TO EXCEED THE WIDTH OF A 10' (3.05 m) SHEET. PARAPET WALL SHOULD BE NO TALLER THAN 9' (2.74 m) TO USE A FULL 10' (3.05 m) SHEET OF MEMBRANE AS FLASHING.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

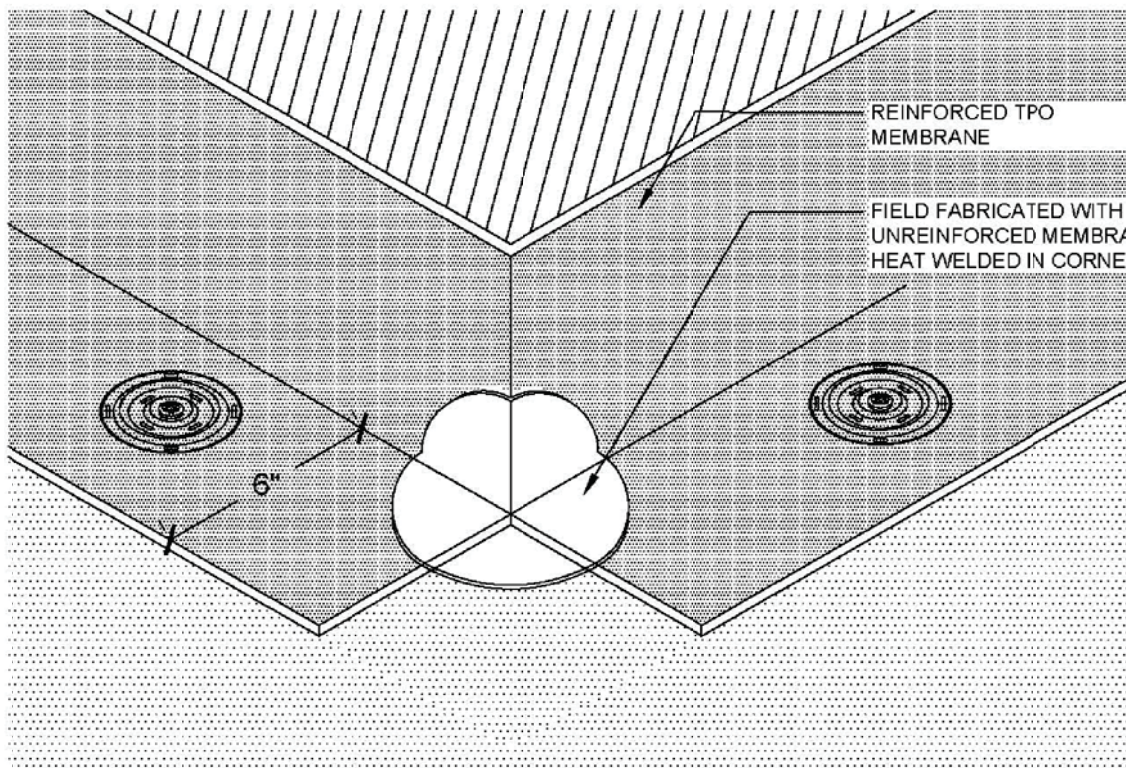
TPO HIGH WALL FLASHING DETAIL



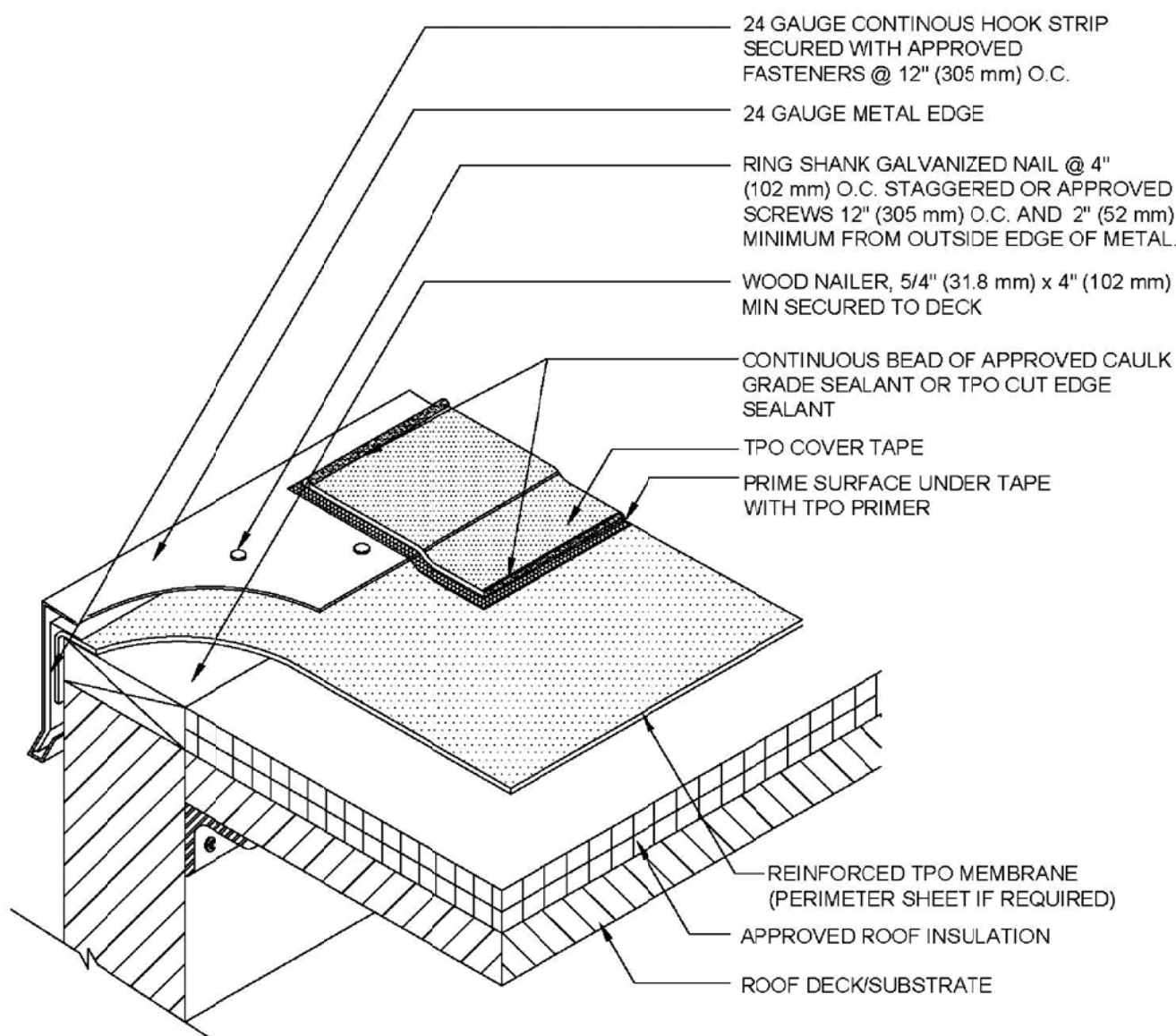
NOTES

1. FOUR CORNER CURB WRAP PIECES ARE NEEDED TO COMPLETE. VARYING SIZES MAY BE NEEDED TO COMPLETE.
2. CORNER WRAP MAY BE ADHERED OR INSTALLED DRY.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

TPO TERMINATION AT EXISTING R.T.U WITH COUNTERFLASHING



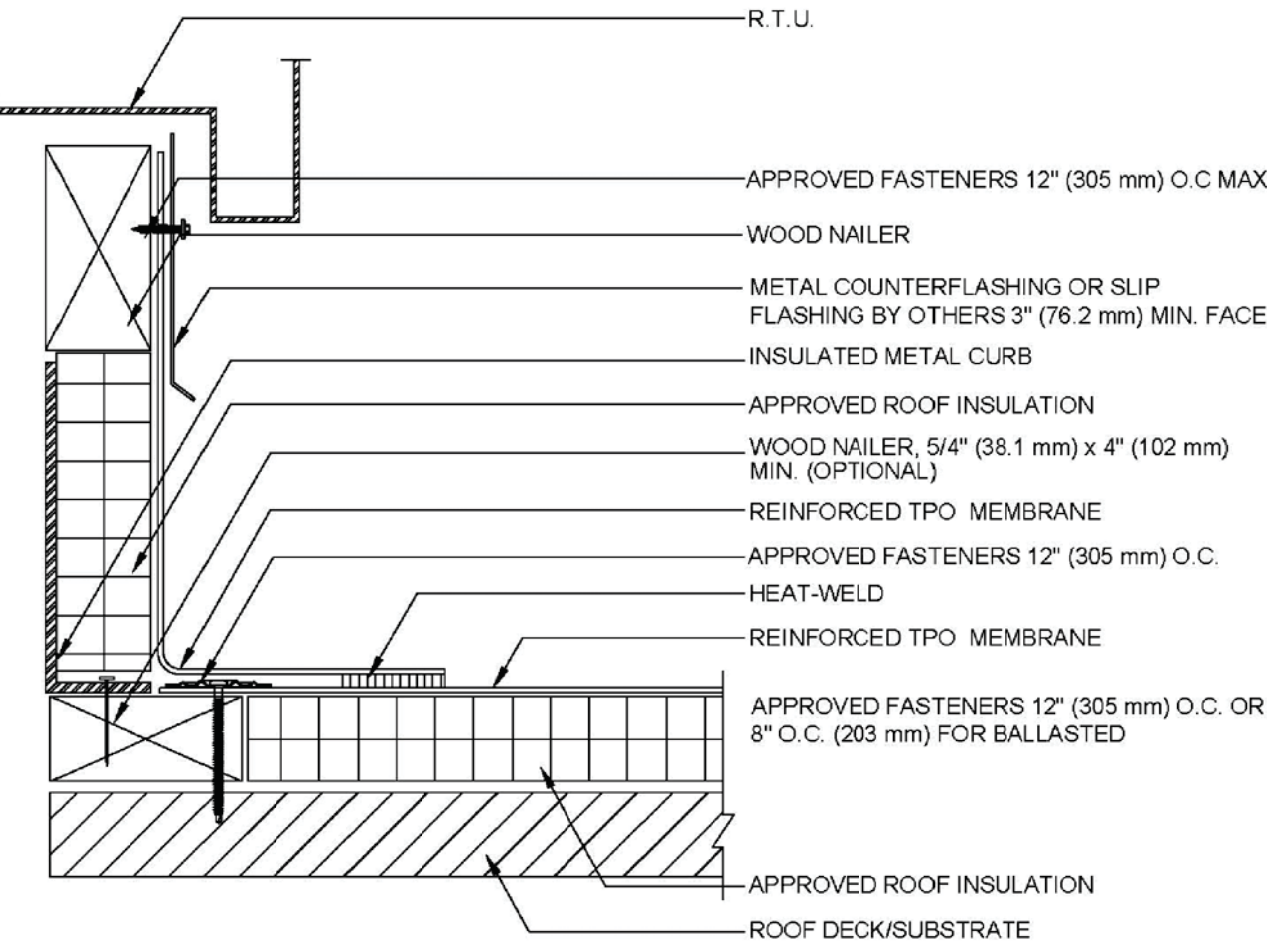
TPO OUTSIDE CORNER REINFORCEMENT - FIELD FABRICATION DETAIL



NOTES

1. CLEAN METAL AND MEMBRANE WITH TPO SEAM CLEANER AND ALLOW TO DRY BEFORE PRIMING.
2. TPO COVER TAPE ONLY TO BE USED WITH TPO MEMBRANE SYSTEMS.
3. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
4. APPROVED CAULK GRADE SEALANT SHOULD BE FEATHERED OUT. ENSURE PRIMER EXTENDS UNDER APPROVED CAULK GRADE SEALANT.
5. THIS DETAIL IS **NOT** TO BE USED ON SLOPES GREATER THAN 1:12.

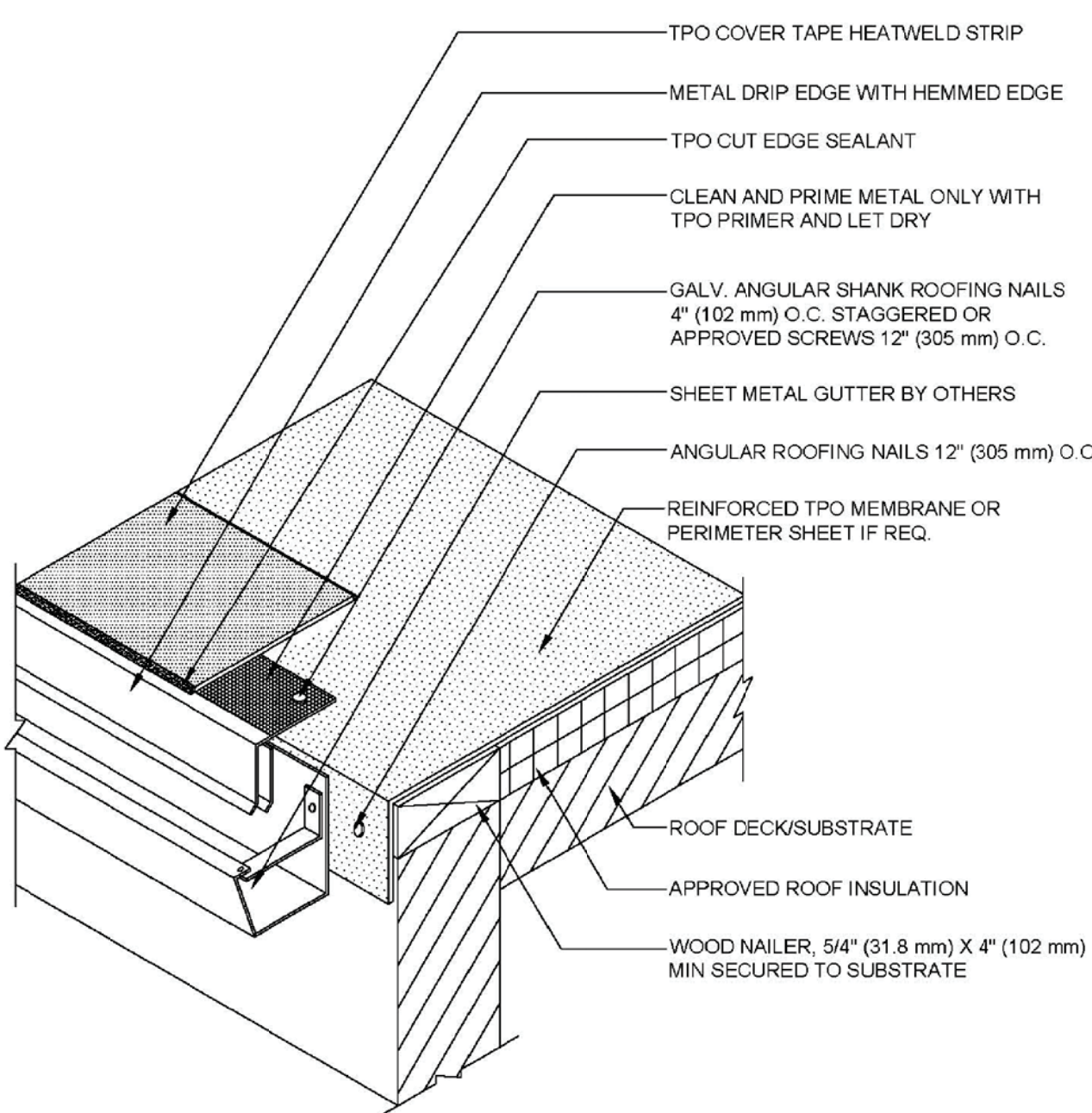
TPO COVER TAPE AT ROOF EDGE DETAIL



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED.
2. IF TPO MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

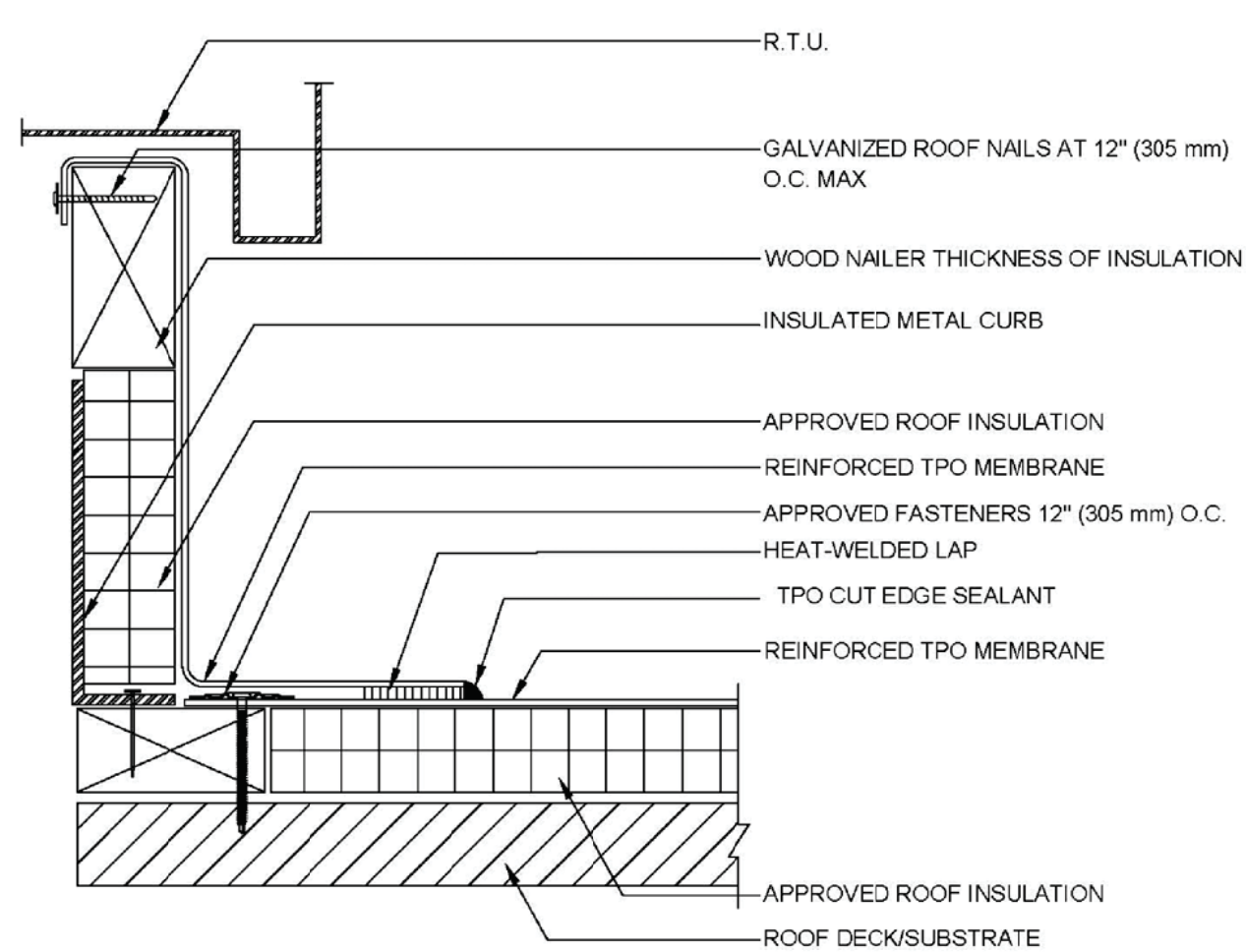
TPO CORNER CURB WRAP DETAIL



NOTES

1. TPO COVER TAPE HEATWELD STRIP ONLY TO BE USED WITH TPO MEMBRANE SYSTEMS ONLY.
2. PRIME THE METAL ONLY WITH TPO PRIMER. DO NOT SPILL PRIMER ON WELDED SEAM AREA.
3. HEAT WELD THE MEMBRANE (NON-ADHESIVE SIDE ONLY) TO MEMBRANE AREA USING EITHER A ROBOTIC OR HAND WELDER TO SPEC.
4. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICALLY FASTENED SYSTEMS ONLY.

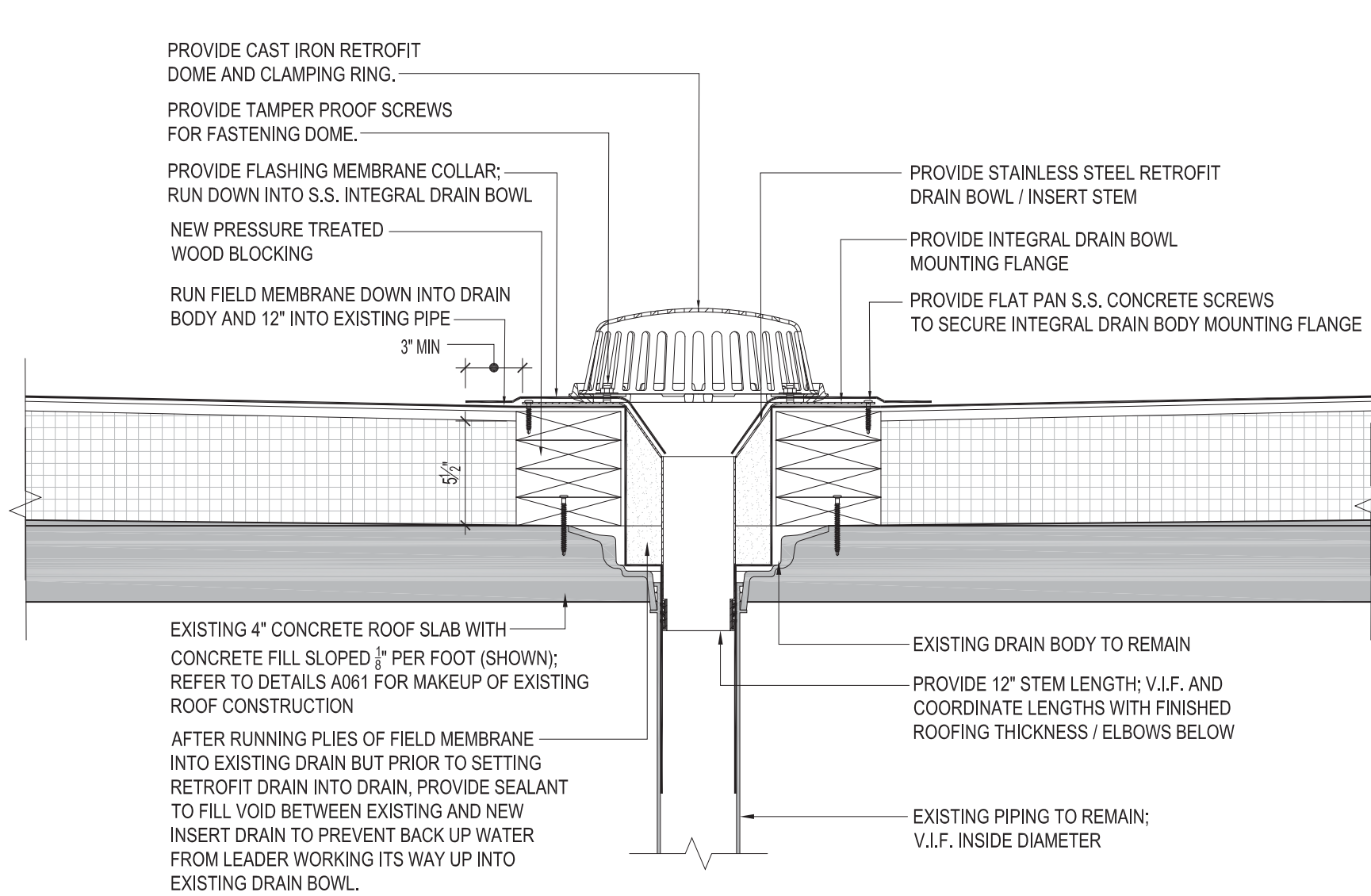
TPO COVER TAPE HEAT-WELD STRIP AT GUTTER EDGE DETAIL



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. IF TPO MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

TPO TERMINATION AT R.T.U WITH WELDED LAP

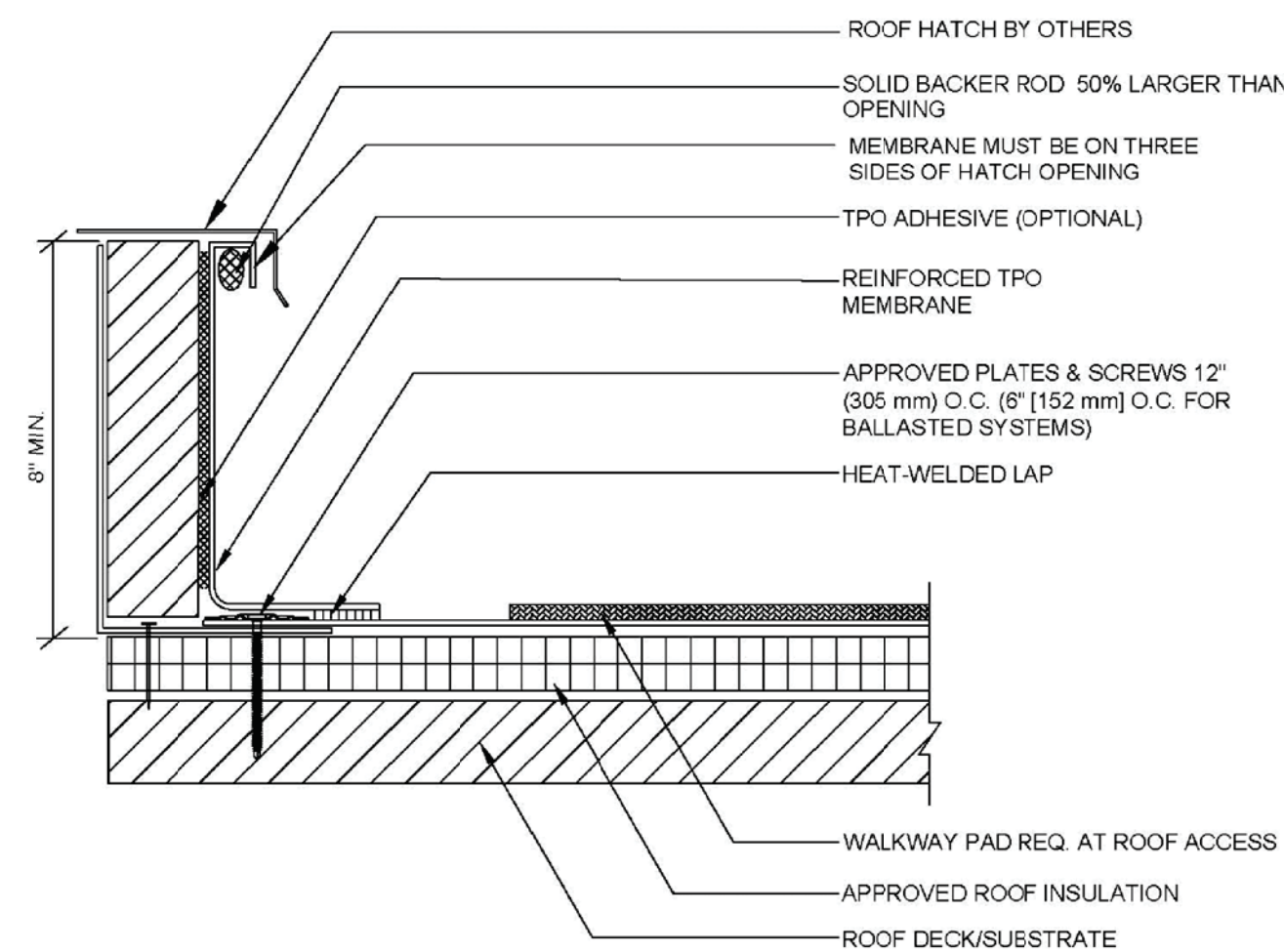


1

A420

TYPICAL RETROFIT ROOF DRAIN DETAIL

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



NOTES

1. FOR INSULATION THICKNESS GREATER THAN 8" (203 mm), A HARD BOARD IS REQUIRED ON MECHANICAL SYSTEMS ONLY.
2. IF TPO MEMBRANE IS USED, BONDING ADHESIVE IS NOT NEEDED AND WALL MUST BE PRIMED.
3. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

TPO ROOF HATCH DETAIL



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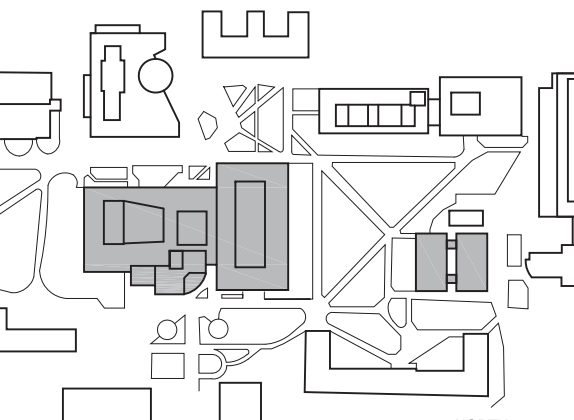
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FACULTY OFFICE BUILDING

County of:

ULSTER

Project No.:

081047-00



Key/Location Plan

Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:

TYPICAL ROOF DETAILS

Seal & Signature:



Drawn By: JASON CAMPAGNA

Checked By: JOHN O'CONNOR

Date: JANUARY 8, 2021

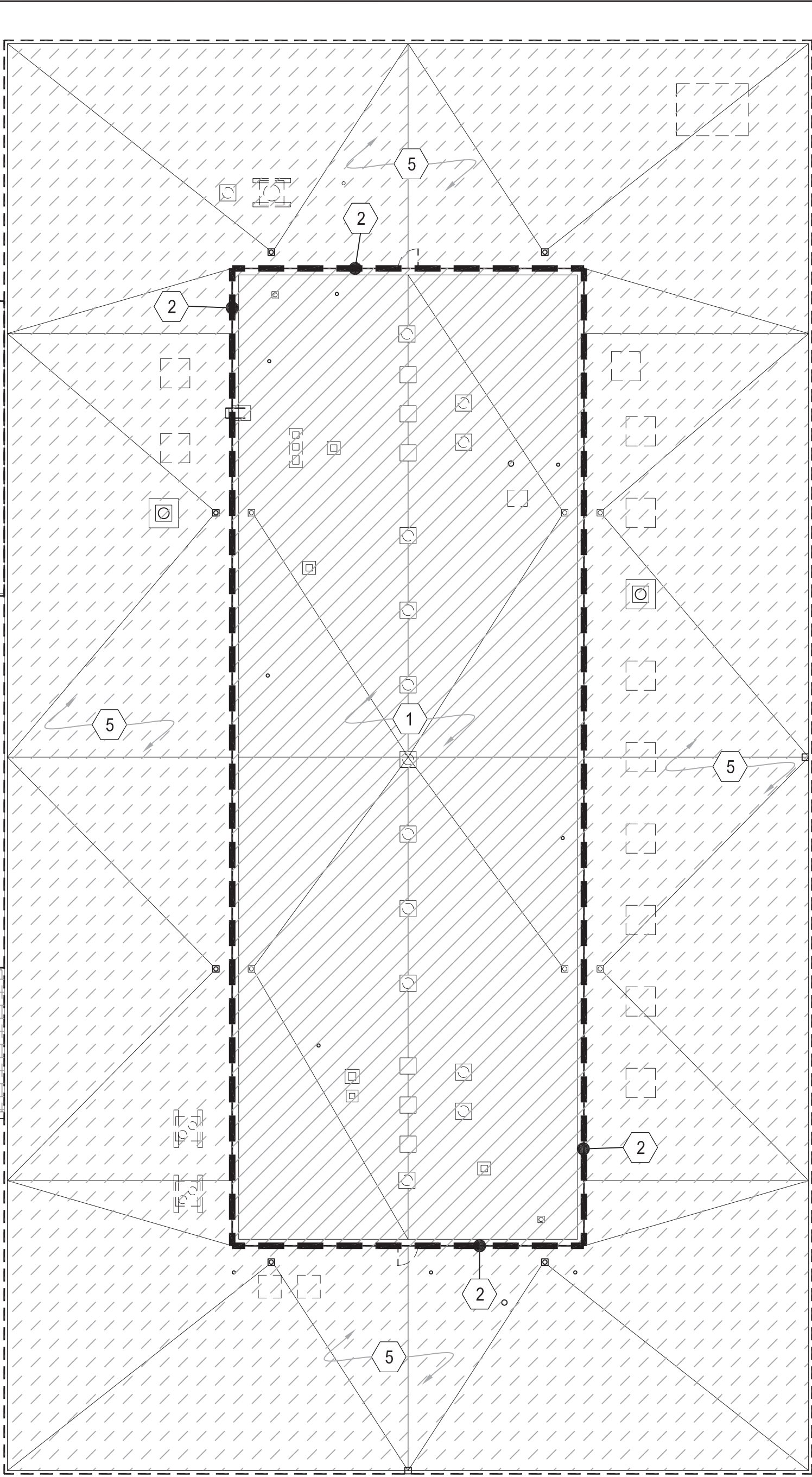
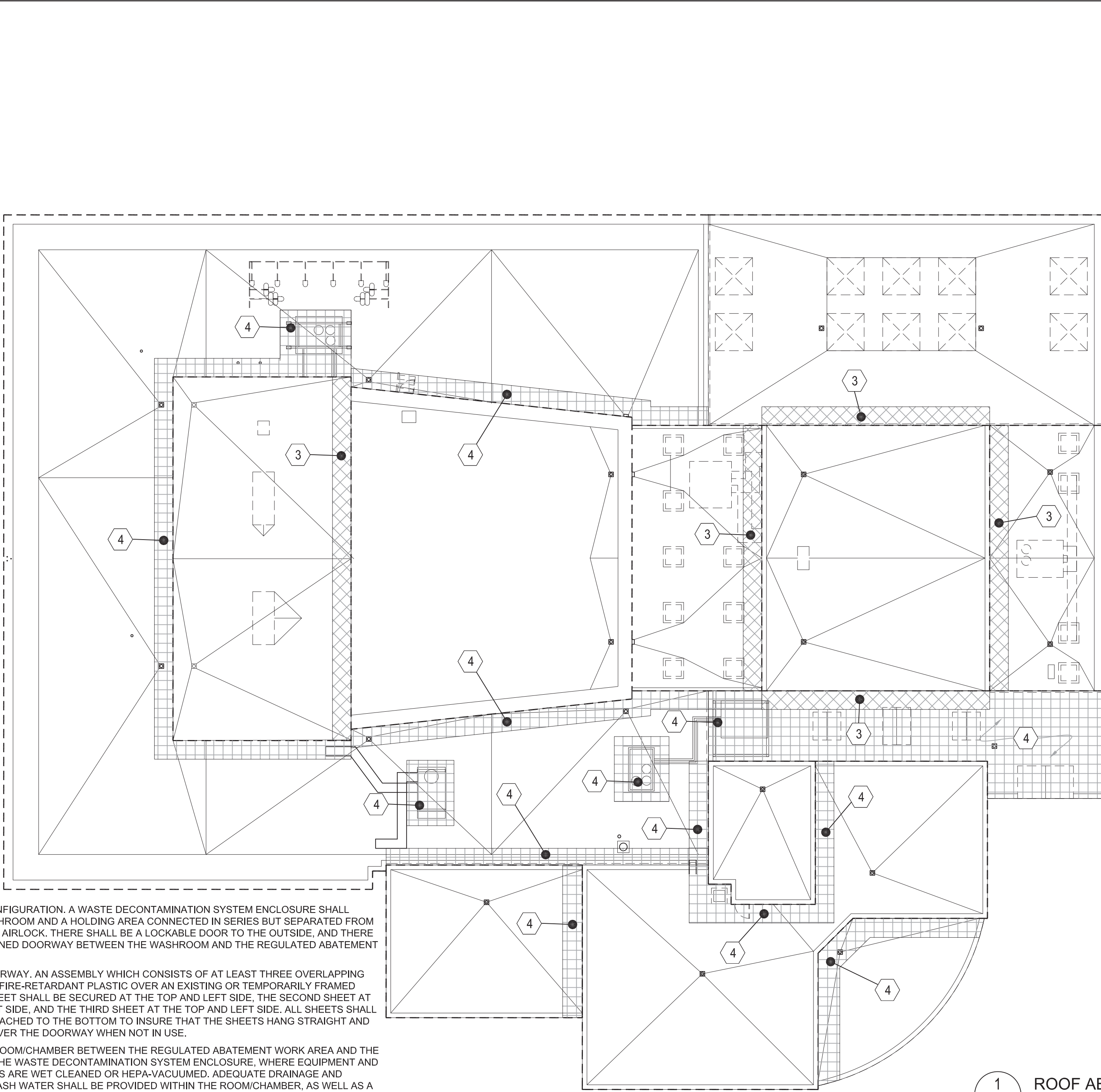
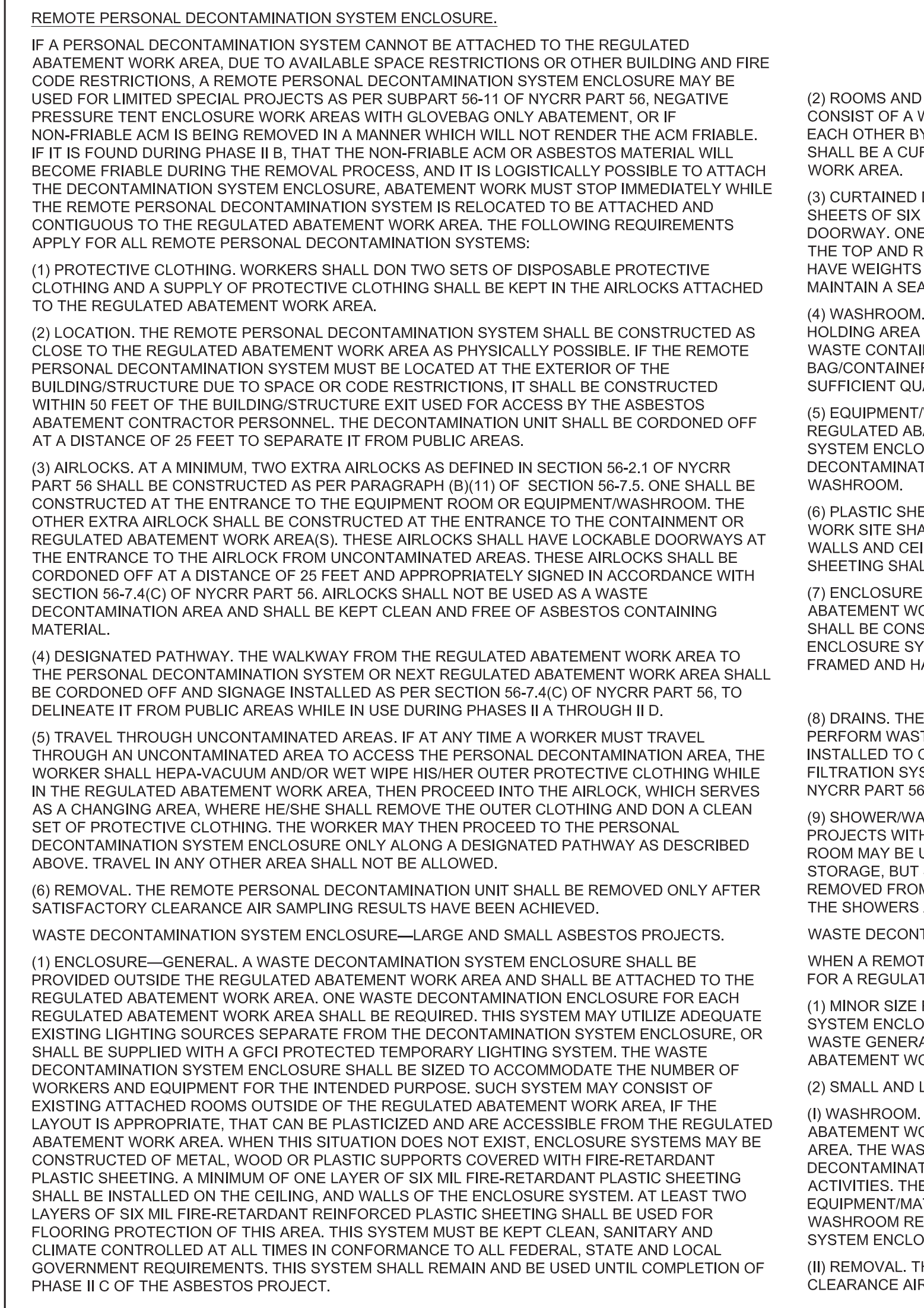
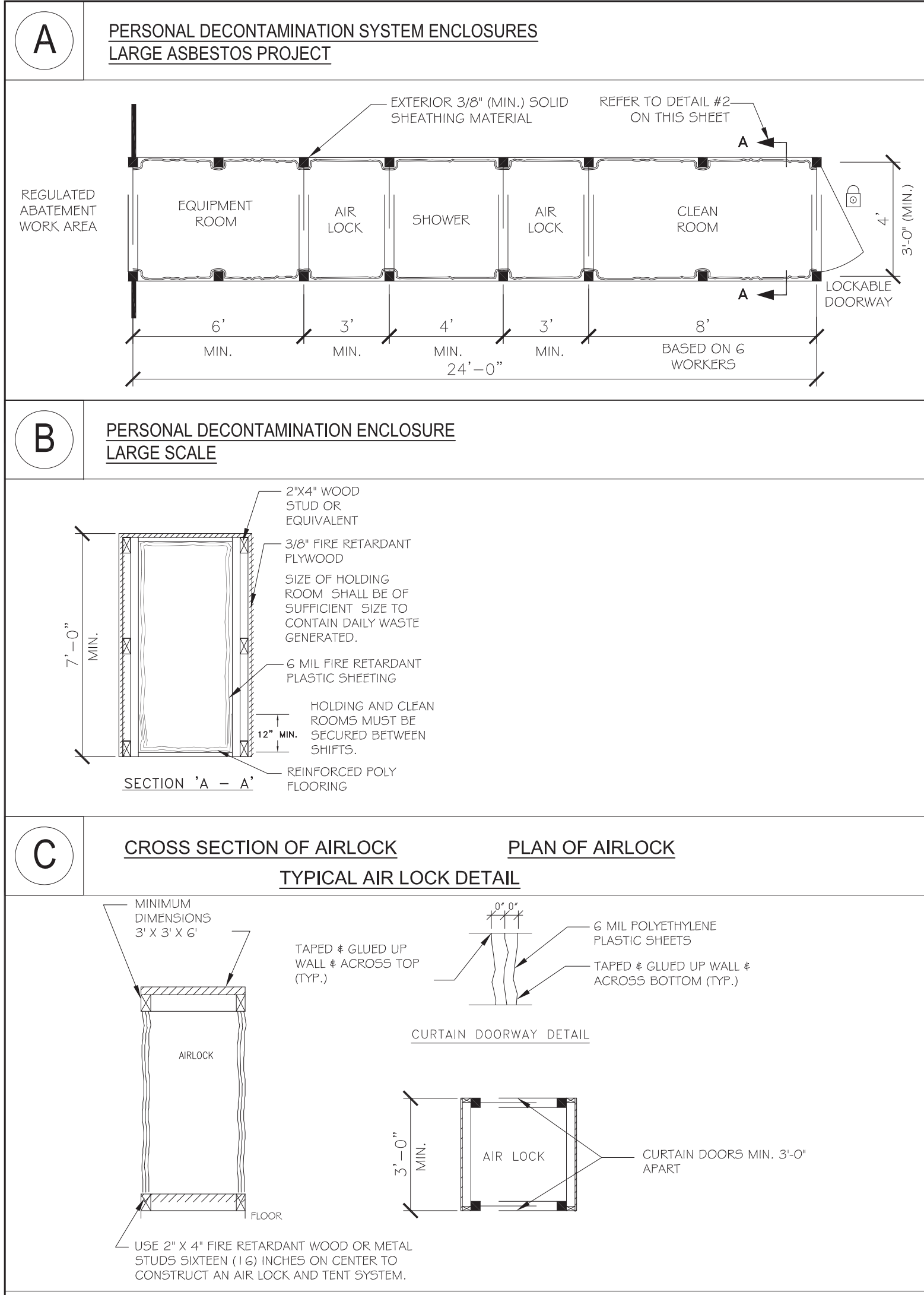
Scale: AS NOTED

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17 of 47




1 ROOF ABATEMENT PLAN AT SMILEY ARTS, McKENNA THEATRE AND DORSKY MUSEUM (SAB)
H101 SCALE: 1/16" = 1'-0"

HAZARDOUS MATERIAL ABATEMENT KEYNOTES - FACULTY BUILDING		
	1	REMOVE AND DISPOSE OF TAR ON CURBS (SKYLIGHT & MECHANICAL EXHAUST UNITS)
	2	REMOVE AND DISPOSE OF CAULKING ON VENTS & WINDOWS AT COPPER WALL
	3	REMOVE AND DISPOSE OF TAR ON FLASHING ON COPPER WALL AND TAR ON WALL SECTION
	4	REMOVE AND DISPOSE OF TAR ON WALL SECTION & RTU CURBS
	5	REMOVE AND DISPOSE OF TAR ON SIDE WALL, CURBS & MECHANICAL EXHAUST UNITS)

HAZARDOUS MATERIAL QUANTITIES - ALL ROOFS		
MATERIAL	TARS	CAULKING
QTY.	1,610 SF	1,238 LF

- GENERAL ABATEMENT NOTES:**
- THE ABATEMENT LEGEND LISTS APPROXIMATE QUANTITIES FOR REMOVAL, BUT THE CONTRACTOR IS ALONE RESPONSIBLE FOR DETERMINING THE ACTUAL ABATEMENT QUANTITIES.
 - ALL ASBESTOS ABATEMENT WORK SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 028213.
 - THIS FACILITY WILL BE OCCUPIED DURING CONSTRUCTION WORK.
 - SHUT DOWN AND ISOLATE EXISTING MECHANICAL EQUIPMENT SYSTEMS TO PREVENT CONTAMINATION AND DISPERSAL TO OTHER AREAS IN THE BUILDING. COORDINATE WITH THE OWNER'S REPRESENTATIVE.
 - ALL SCHEDULED ABATEMENT WORK SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. FOLLOW ALL RULES AND REGULATIONS OF NYS ICR 56, EPA, OSHA AND OTHER APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS DURING THE ENTIRE PROJECT.
 - ATTEND THE PRE-WORK CONFERENCE AND PROVIDE A DETAILED ABATEMENT WORK PLAN FOR REVIEW.
 - BE RESPONSIBLE FOR ON-SITE SAFETY AND SECURITY OF EMPLOYEES DURING ALL HAZARDOUS REMOVAL ACTIVITIES. ASSUME RESPONSIBILITY FOR PROCEEDING WITH THE WORK IN A MANNER THAT OFFERS EMPLOYEES A WORKPLACE FREE FROM RECOGNIZED HAZARDS CAUSING SERIOUS HEALTH, HARM OR INJURY.
 - PROVIDE TO THE OWNER'S REPRESENTATIVE ALL WASTE TRANSPORTER PERMITS, WASTE DISPOSAL RECEIPTS AND THE CONTRACTORS POST ABATEMENT REPORT. SEE THE CLOSEOUT SUBMITTAL SECTION IN THE ABATEMENT SPEC SECTION FOR DETAILS.
 - VERIFY THAT LANDFILL ACCEPTS ALL TYPES OF HAZARDOUS MATERIALS WITHIN PROJECTS SCOPE OF WORK.
 - ANY REMOVAL WORK OR ANY OTHER WORK IN THESE AREAS SHALL COMMENCE ONLY AFTER THE HAZARDOUS MATERIAL REMOVAL WORK IS COMPLETED AND ONLY AFTER THE NECESSARY CLEARANCES ARE OBTAINED.
 - UPON COMPLETION OF HAZARDOUS MATERIAL REMOVALS WORK, ANY EXISTING AREAS AND/OR FINISHES THAT HAVE BEEN DAMAGED THAT ARE NOT PART OF THE REMOVAL SCOPES OF WORK (INCLUDES AREAS AND/OR FINISHES AS A RESULT OF ANY TEMPORARY PARTITIONS AND WASTE DECON UNIT ENCLOSURES CONSTRUCTION) SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE. FINISH RESTORATION SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
 - COORDINATE ABATEMENT WITH SCOPE INDICATED ON OTHER DRAWINGS AND PERFORMED BY OTHER TRADE CONTRACTS.
 - THE RESULTS OF THE TESTING FOR ACM & LEAD ARE LISTED IN THE BUILDING ASBESTOS SURVEY REPORT



PROGRAM UNIT:

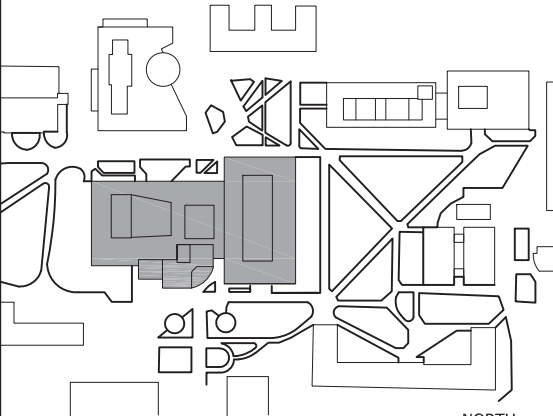
MISA
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08/27/2020 PRE-BID PHASE



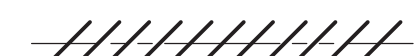






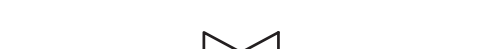








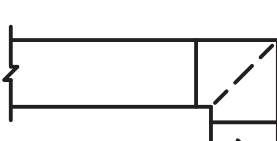


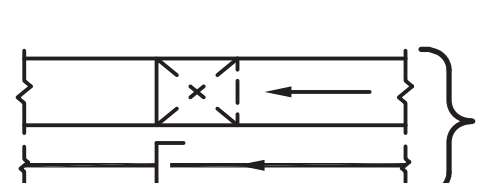
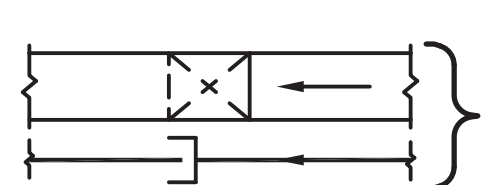

Facility:
SUNY NEW PALTZ
Building Address:
1 HAWK DRIVE, NEW PALTZ, NY 12561
Building:
SMILEY ARTS BUILDING
County of:
ULSTER
Project No.:
081047-00


Key/Location Plan


Adelaide ENVIRONMENTAL HEALTH

Contract Title:
REPLACE ROOFS - SMILEY ARTS, COLLEGE THEATRE, DORSKY MUSEUM (SAB) AND FACULTY OFFICE BUILDING (FOB)
Project No.: 081047-00
Drawing Title:
SAB ROOF ABATEMENT PLAN
Seal & Signature:

Drawn By: AEHA
Checked By: JS
Date: FEBRUARY 22, 2021
Scale: AS NOTED
Drawing No.:
H101.00
Sheet 18 of 47

SYMBOL LIST

	SINGLE LINE DUCTWORK, PIPING OR EQUIP. (EXISTING)		POINT OF CONNECTION
	SINGLE LINE DUCTWORK, PIPING AND EQUIPT. TO BE REMOVED		POINT OF DISCONNECTION
	SINGLE LINE DUCTWORK OR EQUIP. (NEW)		PIPE DROP
	DUCT UNDER POSITIVE PRESSURE (SUPPLY AIR OR FAN DISCHARGE)		PIPE RISE
	DUCT UNDER NEGATIVE PRESSURE (RETURN, EXHAUST OR OUTSIDE AIR)		GATE VALVE
	VOLUME DAMPER		AUTOMATIC CONTROL VALVE
	AUTOMATIC DAMPER (ELECTRIC)		REFRIGERANT LIQUID LINE
	CUBIC FEET PER MINUTE		REFRIGERANT SUCTION LINE
	TYPE A CEILING DIFFUSER 400 CFM SUPPLY AIR		
	10" BY 8" CEILING REGISTER (CEILING GRILLE) 300 CFM RETURN AIR		
	VANED ELBOW (SEE DETAIL)		
	VANED ELBOW (SEE DETAIL) OR RADIUS ELBOW		
	RADIUS ELBOW		
	VERTICAL DUCT DROP (IN DIRECTION OF AIRFLOW)		
	VERTICAL DUCT RISE (IN DIRECTION OF AIRFLOW)		
	SMOKE DETECTOR / DUCT SMOKE DETECTOR		

ABBREVIATIONS LIST

A	AMPERES	FT	FEET	RM	ROOM
AC	AIR CONDITIONING	GPH	GALLONS PER HOUR	RPM	REVOLUTIONS PER MINUTE
ACC	AIR COOLED CONDENSER	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
ACCU	AIR COOLED CONDENSING UNIT	HF	HUMIDIFIER	SD	SMOKE DAMPER
ACH	AIR CHANGES PER HOUR	HC	HEATING COIL	SEER	SEASONAL ENERGY EFFICIENCY RATIO
AD	ACCESS DOOR	HD	HEAD	SF	SUPPLY FAN
AFF	ABOVE FINISHED FLOOR	HT	HEIGHT	SP	STATIC PRESSURE
AS	AIR SEPARATOR	HZ	FREQUENCY	SPEC	SPECIFICATION
BHP	BRAKE HORSEPOWER	IAT	INDOOR AIR TEMPERATURE	TEMP	TEMPERATURE
BMS	BUILDING MANAGEMENT SYSTEM	IN	INCH OR INCHES	TG	TOP GRILLE
BTU	BRITISH THERMAL UNIT	KW	KILOWATT	TYP	TYPICAL
BTUH	BTU PER HOUR	L	LENGTH	UON	UNLESS OTHERWISE NOTED
°C	DEGREES CENTIGRADE (CELSIUS)	LAT	LEAVING AIR TEMPERATURE	V	VOLTS
CD	CEILING DIFFUSER	LBS	POUNDS	VA	VENTILATION AIR
CD	CONDENSATE DRAIN	LD	LINEAR DIFFUSER	VFD	VARIABLE FREQUENCY DRIVE
CFM	CUBIC FEET PER MINUTE	LR	LINEAR RETURN	VIF	VERIFY IN FIELD
CG	CEILING GRILLE	LWT	LEAVING WATER TEMPERATURE	W	WIDTH
CLG	CEILING	MAX	MAXIMUM	W/	WITH
CO	CLEAN OUT	MBH	THOUSAND BTU PER HOUR	W/O	WITHOUT
COMPR	COMPRESSOR	MCA	MINIMUM CIRCUIT AMPACITY	WB	WET BULB
COND	CONDENSATE	MIN	MINIMUM	WMS	1/2" WIRE MESH SCREEN (BIRD SCREEN)
CR	CEILING REGISTER	MOCP	MAXIMUM OVER CURRENT PROTECTION		
CU FT	CUBIC FEET	NIC	NOT IN CONTRACT		
CU IN	CUBIC INCHES	NO.	NUMBER		
		NYS	NEW YORK STATE		
DB	DRY BULB	O.C.	OFF CENTER		
DIAM	DIAMETER	OA	OUTSIDE AIR		
DMPR	DAMPER	OAI	OUTSIDE AIR INTAKE		
DDC	DIRECT DIGITAL CONTROL	OAT	OUTSIDE AIR TEMPERATURE		
DN	DOWN	PD	PRESSURE DROP		
DWG	DRAWING	PD	PUMP DISCHARGE		
EA	EXHAUST AIR	PDE	24V POWER DISTRIBUTION ENCLOSURE		
EAT	ENTERING AIR TEMPERATURE	PF	PREFILTER		
EF	EXHAUST FAN	PH	PHASE		
EL	ELEVATION	PRV	PRESSURE REDUCING VALVE		
ELEC	ELECTRIC	PSI	POUNDS PER SQUARE INCH		
ELEV	ELEVATOR	PSIA	PSI ABSOLUTE		
EQ	EQUAL	PSIG	PSI GAUGE		
ESP	EXTERNAL STATIC PRESSURE	R	RISE		
		RA	RETURN AIR		
EWT	ENTERING WATER TEMPERATURE	RF	RETURN FAN		
EXH	EXHAUST	RH	RELATIVE HUMIDITY		
F	FILTER	RLA	RUNNING LOAD AMPS		
°F	DEGREES FAHRENHEIT				
FD	FIRE DAMPER				
FIN FL	FINISHED FLOOR				
FLA	FULL LOAD AMPERES				
FPI	FINS PER INCH				
FPM	FEET PER MINUTE				
FPS	FEET PER SECOND				

CERTIFICATION: "TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL PLANS AND APPLICATIONS ARE IN COMPLIANCE WITH THE NYSECC - NEW YORK STATE ENERGY CONSERVATION CODE 2020.



PROGRAM UNIT:

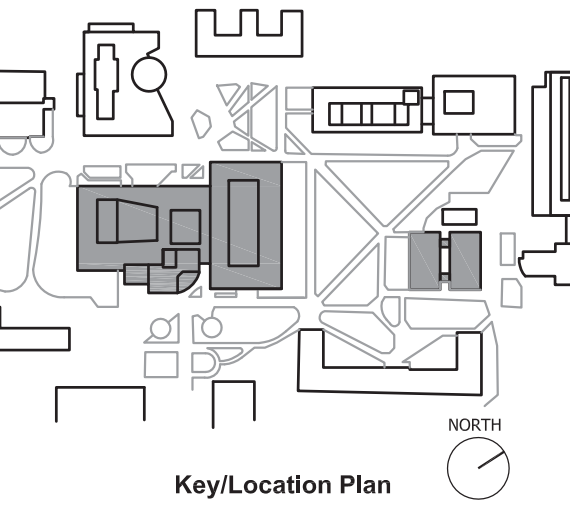


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Facility:
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Building Address:
1 HAWK DRIVE, NEW PALTZ, NY 12561
Building:
SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING
County of: **Project No.:**
ULSTER 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
HVAC SYMBOLS LIST & ABBREVIATION

Seal & Signature:



Drawn By:	-
Checked By:	
Date:	JANUARY 8, 2021
Scale:	AS NOTED
Drawing No.:	M001.00
Sheet	19 of 47

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS)

1.

THE TERM "CONTRACTOR", "THIS CONTRACTOR" OR ANY TEXT AND DRAWINGS INCLUDED IN THIS CONTRACT DOCUMENT (WHICH INCLUDES DRAWINGS AND SPECIFICATIONS) SHALL BE MEANT AND DIRECTED TO THE CONTRACTOR PERFORMING THE HEATING, VENTILATING AND AIR CONDITIONING (HVAC) WORK IN THIS PROJECT.
2.

THE ARCHTIECT/ENGINEER FOR THE PROJECT WHO WILL ALSO BE REFERRED TO AS THE ARCHTIECT/ENGINEER OF RECORD WILL BE THE FIRM WHOSE NAME AND ADDRESS IS LISTED IN THE TITLE BLOCK OF THE DESIGN DOCUMENT.
3.

ALL WORK SHOWN IN THE CONTRACT DRAWINGS AND INCLUDED IN THE SPECIFICATIONS SHALL BE CONSIDERED AS NEW WORK TO BE PROVIDED (DEFINED AS FURNISHED AND INSTALLED) BY THE CONTRACTOR. ONLY ITEM SPECIFICALLY INDICATED AS "EXISTING" SHALL BE EXCLUDED FROM THE WORK PROVIDED BY THE CONTRACTOR. SYMBOL LIST SHOWING DIFFERENT LINE THICKNESS FOR EXISTING AND NEW COMPONENTS ARE MEANT ONLY FOR CLARITY. UNLESS SPECIFICALLY INDICATED AS "EXISTING" ALL COMPONENTS SHALL BE CONSIDERED TO BE NEW TO BE PROVIDED BY THE CONTRACTOR.
4.

THE SCOPE OF WORK TO BE PROVIDED BY THE CONTRACTOR SHALL INCLUDE SCOPE OF WORK AS INDICATED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS SHALL INCLUDE CONTRACT DRAWINGS, CONTRACT SPECIFICATIONS, CONTRACT ADDENDUMS, ANY OTHER WRITTEN DESCRIPTION OR MEETING MINUTES PROVIDED BY THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT TAKEN TOGETHER. IN THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL INCLUDE ALL WORK INDICATED IN INCLUDING BUT NOT LIMITED TO THE LEGENDS, SYMBOLS, ABBREVIATIONS, SPECIFIC AND GENERAL NOTES, INDEXES, FLOOR PLANS, SECTIONS AND ELEVATIONS, SCHEMATIC DIAGRAMS, RISER DIAGRAMS, FLOW DIAGRAMS, CONTROL DIAGRAMS, ONE LINE DIAGRAMS, SCHEDULE SHEETS, DETAILS, DRAWINGS SPECIFICATION SHEETS, PHASING PLANS, ETC. TAKEN TOGETHER.
5.

IT SHALL BE EXPRESSEDLY UNDERSTOOD THAT ALL ITEMS INCLUDED IN THE CONTRACT DOCUMENTS ISSUED BY THE ARCHITECTS/ENGINEERS SHALL BE INCLUDED IN THE BID PRICE OF THE CONTRACTOR UNLESS OTHERWISE, SPECIFIC ADD ALTERNATES ARE LISTED BY THE ARCHTIECT/ENGINEER IN THE DOCUMENTS.
6.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN IN WRITING THAT HE HAS ALL THE CONTRACT DOCUMENTS FOR THE PROJECT FROM THE ARCHTIECT/ENGINEER. NO CLAIMS FOR ANY MISSING DOCUMENTATION WILL BE ACCEPTABLE.
7.

WHERE INFORMATION IN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS ARE INTERPRETED BY THE CONTRACTOR TO BE DUPLICATED, THE CONTRACTOR SHALL OBTAIN A WRITTEN APPROVAL OF HIS INTERPRETATION FROM THE OWNER BEFORE DELETING THE SCOPE OF WORK HE INTERPRETS AS BEING A DUPLICATION. IN THE ABSENCE OF SUCH WRITTEN APPROVAL, THE CONTRACTOR SHALL NOT EXCLUDE ANY ITEM SHOWN IN DIFFERENT PARTS OF THE CONTRACT.
8.

FOR EITHER CONTRACTOR'S INTERPRETATION OF DUPLICATION OR CONTRADICTION AS INDICATED ABOVE, THE OWNER'S DETERMINATION SHALL BE FINAL AND SHALL NOT ENTITLE THE CONTRACTOR TO ANY ADDITIONAL COMPENSATION.
9.

ALL WORK SHOWN ON THE CONTRACT DOCUMENTS ARE MEANT TO BE THE FINAL INTENT OF THE WORK. ANY WORK REQUIRED TO MEET THE FINAL INTENT OF THE DESIGN DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER:

a.

CUTTING AND PATCHING OF WALLS, FLOORS, CEILING, ROOFS, PARTITIONS;

b.

REMOVAL AND REPLACEMENT OF SUSPENDED CEILINGS, ACCESS PANELS, ACCESS DOORS;

c.

REMOVAL AND REPLACEMENT OF EXISTING ARCHITECTURAL, STRUCTURAL, PLUMBING, ELECTRICAL, FIRE PROTECTION TRADES AND, TELECOMMUNICATION, COMPUTER, SECURITY, PUBLIC ADDRESS, INTERCOM SYSTEMS WHICH INTERFERE WITH THE FINAL INTENT OF THE HVAC WORK.
12.

DETERMINE AND COORDINATE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT ONLY WHEN RELOCATION OF EXISTING WORK WILL NOT IMPACT THE COST OF THE PROJECT. ANY ADDITIONAL WORK FOR RELOCATION OF EXISTING WORK OR ROUTING OF NEW WORK AROUND EXISTING WORK SHOULD BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE OWNER. UNLESS AND UNTIL SPECIFIC ITEMS ARE SHOWN IN OTHER TRADE DRAWINGS FOR REMOVAL AND REPLACEMENT FOR THE AREA WHERE THE FINAL HVAC DESIGN INTENT IS SHOWN, ALL WORK REQUIRED FOR OTHER TRADES TO PERFORM THEIR WORK TO ENABLE THE HVAC WORK SHOWN ON THESE DRAWINGS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
13.

ALL WORK SHOWN ON THE CONTRACT PLANS INCLUDING SCALED DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO CONVEY GENERAL INFORMATION ON THE MAGNITUDE OF WORK AND TO PROVIDE GENERAL ARRANGEMENT OF EQUIPMENT. THE CONTRACT DRAWINGS ARE NOT MEANT TO CONVEY ALL THE FIELD CONDITIONS, ALL BENDS, OFFSETS, ELEVATIONS ACCURATELY AND SHALL NOT BE USED AS THE BASIS TO ESTIMATE THE QUANTITY OF HVAC WORK. THE CONTRACTOR MAY MAKE CHANGES IN THE FORM OF SHOP DRAWINGS IF AND WHEN APPROVED IN WRITING BY THE ARCHITECT/ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
14.

THE CONTRACTOR SHALL SEEK WRITTEN CLARIFICATIONS TO SCOPE OF WORK, VISIT AND CAREFULLY EXAMINE THE SITE OF THE PROPOSED WORK SO AS TO FAMILIARIZE HIMSELF OR HERSELF WITH EXISTING FIELD CONDITIONS, TO VERIFY DIMENSIONS AND TO VERIFY DIFFICULTIES THAT WILL BE ENCOUNTERED DURING THE EXECUTION OF THE WORK AND TO VERIFY EXACT EXTENT OF WORK REQUIRED, PRIOR TO SUBMITTING HIS PROPOSAL. ANY CHANGES RESULTING FROM CONDITIONS ARISING IN THE FIELD ARE TO BE MADE BY THIS CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15.

NEITHER ACCURACY NOR COMPLETION OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON
- DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
16.

GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
17.

DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
18.

WHEREVER THE REQUIREMENTS AND REGULATIONS OF FEDERAL OR MUNICIPAL AUTHORITIES ARE MORE STRINGENT THAN THE REQUIREMENTS INDICATED ON THE DRAWINGS OR SPECIFICATIONS, THEN THESE MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE OVER THE DRAWINGS OR SPECIFICATIONS AND SHALL BE MADE PART OF THE CONTRACT AT NO ADDITIONAL COST TO THE OWNER. HOWEVER, WHERE THE DRAWING OR SPECIFICATIONS ARE MORE STRINGENT THAN FEDERAL OF LOCAL AUTHORITY REQUIREMENTS AND REGULATIONS, THE MORE STRINGENT SHALL APPLY AND THE WORK SHALL BE INCLUDED IN THE CONTRACT.
19.

THE CONTRACTOR SHALL PROVIDE PROTECTION FOR THE GENERAL PUBLIC AND CONSTRUCTION WORKERS IN AND AROUND THE CONSTRUCTION AREA. ADEQUATE BARRIERS SHALL BE PROVIDED TO EXERCISE CONTROL OF SAFE INGRESS AND EGRESS OF PREMISES. FIRE EXITS SHALL AT NO TIME BE BLOCKED.
20.

ALL EXISTING CONSTRUCTION AND EQUIPMENT SHALL BE PROTECTED BY EACH CONTRACTOR DURING THE ENTIRE PERFORMANCE OF THEIR WORK. EXISTING AREAS DISTURBED OR DAMAGED BY CONTRACTORS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. EXISTING RTU AND EQUIPMENT ON ROOFTOP TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE DURING CONSTRUCTION.
21.

COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO AVOID CONFLICTS.
22.

SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH EXISTING OPERATIONS IN THE FACILITY.
23.

ALL UNUSED MATERIALS AND DEBRIS SHALL BE LEGALLY DISPOSED OF AWAY FROM THE PREMISES.
24.

ALL COMPONENTS SHALL BE RUN AS HIGH AS POSSIBLE & AS CLOSE AS POSSIBLE TO EXISTING ROOF/ FLOOR STRUCTURE TO MAINTAIN EXISTING CEILING HEIGHTS SHOWN ON ARCHITECTURAL DRAWINGS AND TO MAINTAIN A MINIMUM OF 7'-6" HEADROOM IN ALL MECHANICAL EQUIPMENT ROOMS.
25.

EQUIPMENT SIZE ARE BASED ON PRELIMINARY INFORMATION FROM THE SCHEDULED MANUFACTURER'S EQUIPMENT, VERIFICATION OF THIS SIZES WITH APPROVED SHOP DRAWINGS PRIOR TO INFORMING THE CONTRACTOR FOR GENERAL CONSTRUCTION OF THE FINAL PENETRATION SIZES AND BEFORE FABRICATING DUCTS.
26.

HOUSEKEEPING PAD AND SPACE ALLOCATIONS FOR MECHANICAL EQUIPMENT ARE BASED ON THE SCHEDULED MANUFACTURER'S PHYSICAL EQUIPMENT SIZES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ANY SUBSTITUTED EQUIPMENT SIZES FROM CERTIFIED MANUFACTURER'S DRAWINGS AND SHALL MAKE MODIFICATIONS AT NO ADDITIONAL COST TO THE OWNER. THIS CONTRACTOR SHALL COORDINATE EQUIPMENT SUPPLIED BY GENERAL CONTRACTOR.
27.

ELECTRICAL POWER PROVISIONS FOR MECHANICAL EQUIPMENT ARE BASED ON PRELIMINARY INFORMATION FROM THE SCHEDULED MANUFACTURER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ELECTRICAL RATING FROM APPROVED SHOP DRAWINGS & SHALL MAKE ANY CIRCUIT DISTRIBUTION MODIFICATION REQUIRED WITHOUT ANY ADDITIONAL COST TO THE OWNER FOR SUBSTITUTED EQUIPMENT. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF SUCH CHANGE FOR ACCEPTANCE BY THE ENGINEER. ALL ACCEPTED CHANGES SHALL BE RECORDED ON "AS-BUILT'S" DRAWINGS.
28.

HVAC AND MECHANICAL SYSTEMS/SERVICES SHALL BE MAINTAINED FULLY OPERATIONAL IN AREAS/SPACES OUTSIDE OF AREA OF WORK DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY COOLING, HEATING AND VENTILATION REQUIRED TO KEEP AREAS/SPACES IN OPERATION.
29.

COORDINATE ACCESS DOOR LOCATIONS IN HUNG CEILINGS AND WALLS WITH THE OTHER TRADES. SEE ARCHITECTURAL DRAWINGS OR MECHANICAL SPECIFICATIONS FOR LOCATIONS REQUIRING FIRE RATED ACCESS IN SUCH PROVIDE 2 HR. RATED DOORS WITH MINIMUM 2" THICK FIRE RATED INSULATION.
30.

COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS TO AVOID CONFLICTS.
31.

ALL WORK SHALL BE IN COMPLIANCE WITH NEW YORK STATE CODE FOR NEW YORK STATE PROJECTS, OTHERWISE SHALL COMPLY WITH THE RESPECTIVE STATE CODES WHERE THE PROJECT IS LOCATED.
32.

SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH EXISTING OPERATIONS IN THE FACILITY.
33.

PROVIDE 36" CLEARANCE IN FRONT OF ALL 208V OR LOWER ELECTRIC CONTROL AND POWER PANELS PER AND 42" CLEARANCE IN FRONT OF ALL 480V OR HIGHER ELECTRIC CONTROL AND POWER PANELS PER N.E.C. AND MANUFACTURER REQUIREMENTS.
34.

MANUFACTURERS MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
35.

CONTRACTOR SHALL SUBMIT SEQUENCE OF INSTALLATION FOR EQUIPMENT THAT WAS REMOVED AND TO BE REINSTALLED.
36.

CONTRACTOR SHALL SUBMIT FUNCTIONAL TESTING OF ROOFTOP UNITS, ACCU AND FANS AS PER SPECIFICATIONS.
37.

CONTRACTOR SHALL ENSURE PROTECTION TO EXISTING INTERIOR DUCTWORK FROM DUST AND DEBRIS DUE TO CONSTRUCTION.

AIR SYSTEMS

1.

DUCTS SHALL BE RUN AS HIGH AS POSSIBLE & AS CLOSE AS POSSIBLE TO EXISTING ROOF/ FLOOR STRUCTURE TO MAINTAIN EXISTING CEILING HEIGHTS SHOWN ON ARCHITECTURAL DRAWINGS.
2.

DUCT TRANSITIONS SHALL BE FABRICATED WITH FLAT BOTTOMS UNLESS OTHERWISE NOTED.
3.

SEAL ALL OPENINGS WHERE DUCTS PENETRATE NON RATED WALLS TO PREVENT AIR TRANSFER BETWEEN SPACES WITH CODE USE APPROVED FIRE STOPPING MATERIALS APPROVED PRODUCT. TO SEAL OPENINGS IN RATED WALLS. PROVIDE MINIMUM FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPED RATING OF 50.
4.

ALL DUCTWORK, PIPING, CONDUITS AND TUBING SHALL BE RUN CONCEALED IN FINISHED AREAS. COORDINATE LOCATIONS WITH GENERAL CONSTRUCTION AND WITH EXISTING COMPONENTS. ALL RUNS SHALL BE APPROVED BY OWNER. ANY MODIFICATION REQUIRED BY OWNER DUE TO FIELD CONFLICTS SHALL BE DONE AT NO ADDITIONAL COST.
5.

DUCTWORK SHALL BE PROVIDED IN ACCORDANCE WITH SMACNA AND ASHRAE'S LATEST EDITION AS NECESSARY TO MEET THE PERFORMANCE REQUIREMENTS OF THE DESIGN.
6.

ALL DUCTS SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING OCCURS, INCREASE DUCT SIZES ACCORDINGLY BY THE LINING THICKNESS. REFER TO DETAILS FOR ACOUSTICAL LINING DETAILS.
7.

ONE INCH THICK ACOUSTIC LINING SHALL BE PROVIDED MINIMUM 20'-0" OR LONGER IN DUCTWORK AS INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS DOWN STREAM OF EXHAUST FANS AND TWO INCHES THICK FOR SUPPLY AND RETURN DUCTWORK WHERE INDICATED ON FLOOR PLAN.
8.

ALL OUTSIDE AIR INTAKE OPENINGS/LOUVERS SHALL BE LOCATED A MINIMUM OF 10'-0" (UNLESS OTHERWISE NOTED) FROM ANY AND ALL LOT LINES, ANY OTHER BUILDING IN THE SAME LOT, EXHAUST FANS/LOUVERS GRILLES, PARKING LOTS, LOADING DOCKS, CHIMNEYS/VENTS, PLUMBING VENTS AND ANY OTHER SIMILAR HAZARDOUS OR NOXIOUS CONTAMINANTS.
9.

ALL DUCTWORK SHALL BE SEALED TO COMPLY WITH ASHRAE STANDARD 90.1 -2007 REQUIREMENTS FOR DUCT CLASS FOR 4 INS. SP.
10.

PRIOR TO INSULATION OF DUCTWORK ALL DUCT SECTIONS INSTALLED IN THE PROJECT SHALL BE SUBJECTED TO LEAK TESTING IN PARTS AND IN TOTAL ACCORDANCE WITH THE SMACNA HVAC AIR DUCT LEAKAGE MANUAL. ONLY AFTER THE TEST RESULTS HAVE BEEN ACCEPTED BY THE OWNER SHALL THE CONTRACTOR PROCEED WITH INSULATION AND FINAL CONNECTIONS. CONTRACTOR SHALL PROVIDE REPORT OF TESTING TO OWNER.
11.

ALL DUCTWORK RUN ON ROOF OR OUTDOORS SHALL BE RUN MAINTAINING A MINIMUM CLEARANCE OF 30" FROM ROOF OR GRADE UNLESS OTHERWISE SPECIALLY NOTED ON THE CONTRACT DOCUMENTS. PROVIDE ALL REQUIRED STRUCTURAL SUPPORTS FOR THIS ELEVATION OF DUCTWORK.
12.

ALL CONDENSATE DRAIN TERMINATIONS ON ROOF OR EXTERIOR SHALL BE PROVIDED WITH A 24"x24"x6" CONCRETE SPLASH BLOCK SUCH THAT ALL DRIPS FROM DRAINS TERMINATE AT THE CENTER OF THE BLOCK.

SOUND TRAP NOTES

1.

SOUND TRAP SHALL BE VIBRO ACOUSTICS MODEL RFL-MV-AC6 OR APPROVED EQUAL FOR RECTANGULAR DUCTS AND CFL-MV-AC6 FOR ROUND DUCTS OR APPROVED EQUAL, MINIMUM 5FT LONG, SIZED FOR MAXIMUM 0.03 STATIC PRESSURE DROP. MODIFY DUCTWORK TO ACCOMMODATE THE TRANSITIONS FOR TRAP.

RIGGING NOTES

1.

CONTRACTOR TO SUBMIT RIGGING PLAN TO SUCF FOR THEIR REVIEW AND APPROVAL PRIOR TO START OF WORK.
2.

INVESTIGATE PATH THROUGH WHICH EQUIPMENT WILL BE MOVED FOR RIGGING. EQUIPMENT SHALL BE BROKEN DOWN IN SECTIONS AS NEEDED FOR MOVING THROUGH BUILDING SPACES.
3.

ASCERTAIN FROM BUILDING MANAGEMENT AND COORDINATE THE RIGGING SCHEDULE.
4.

MODIFY BUILDING ACCESS PATH AS REQUIRED TO RIG THE EQUIPMENT.PROVIDE ANY SUPPLEMENTARY TEMPORARY SUPPORTS REQUIRED TO RIG THE EQUIPMENT.
5.

OBTAIN PERMISSION FORM OWNER IN WRITING AS TO THE RIGGING PROCESS AND THE ENTAILING MODIFICATIONS REQUIRED TO THE BUILDING COMPONENTS.
6.

ALL RIGGING SCOPE SHALL BE ASCERTAINED PRIOR TO BIDDING. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR FOR RIGGING.
7.

CONTRACTOR SHALL LIMIT ANY TRANSPORTATION OF MATERIALS AND EQUIPMENT THROUGH THE INTERIOR OF THE BUILDING. ANY TRANSPORTATION OF MATERIALS AND EQUIPMENT THROUGH THE INTERIOR OF THE BUILDING SHALL BE COORDINATE WITH SUCF PRIOR TO ANY WORK.

CONSTRUCTION INDOOR ENVIRONMENT QUALITY (IEQ) NOTES

1.

WHERE PROJECT SPACE IS PART OF THE BUILDING WHERE REST OF THE BUILDING IS OCCUPIED, THE CONTRACTOR SHALL PROVIDE A HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERED NEGATIVE PRESSURE FAN SYSTEM TO MAINTAIN MINIMUM 0.01" WATER GAGE NEGATIVE PRESSURE IN THE CONSTRUCTION AREA IN RELATION TO THE NON-CONSTRUCTION AREAS. THE EQUIPMENT AND DUCTWORK SHALL BE SIZED FOR SUCH PRESSURE RELATIONSHIP AND SHALL OPERATE FOR THE ENTIRE DURATION OF CONSTRUCTION UNLESS THE OWNER PROVIDES SPECIFIC EXEMPTION WRITING.
2.

ALL SUCH EXHAUSTS SHALL TERMINATE OUTSIDE THE BUILDING. WHERE THE BUILDING EXTERIOR IS NOT ACCESSIBLE TO THE PROJECT SPACE, THE CONTRACTOR SHALL OBTAIN PERMISSION IN WRITING FROM THE OWNER ON THE ALTERNATE TERMINATION LOCATION.
3.

ALL CONSTRUCTION SPACES SHALL BE PROVIDED WITH ACOUSTIC TREATED PARTITIONS TO ISOLATE ANY CONSTRUCTION NOISE FROM REST OF THE BUILDING. CONTRACTOR SHALL ALSO COORDINATE DAY TO DAY CONSTRUCTION TIME WITH THE OWNER IN WRITING BEFORE BID TO ENSURE NO DISTURBANCE TO REST OF THE NON-CONSTRUCTION AREA OCCUPANTS OF THE BUILDING.
4.

CONTRACTOR SHALL INSTALL A CONTINUOUS RUNNING AND TRACKING NOISE METER ON THE CONSTRUCTION PARTITION AT A LOCATION ACCEPTABLE TO OWNER TO ENSURE THAT EXCESSIVE NOISE IS NOT TRANSMITTED OUTSIDE THE CONSTRUCTION AREA. THE NOISE DATA SHALL BE STORED FOR A DURATION OF 30 DAYS AND HANDED OVER TO OWNER IN .AVI OR .MP3 FORMAT FOR RECORD KEEPING BEFORE THE NEXT CYCLE IS RECORDED.
5.

CONTRACTOR SHALL NOT BE PROVIDED WITH ADDITIONAL COMPENSATION FOR TIME SCHEDULE RELATED COSTS DUE TO IEQ ISSUES.

SUSPENSION AND VIBRATION ISOLATION NOTES

1.

ALL COMPONENTS INSTALLED IN THIS PROJECT SHALL BE PROVIDED WITH HANGERS AND SUPPORTS TO THE BUILDING STRUCTURE EITHER IN COMPLIANCE WITH THE TECHNICAL SPECIFICATIONS /DETAILS INCLUDED ELSEWHERE IN THE CONTRACT DOCUMENTS OR AS PER MANUFACTURER RECOMMENDATIONS OR AS PER CODES AND STANDARDS REQUIREMENTS, SUCH AS THOSE OF THE AUTHORITY HAVING JURISDICTION AND/OR NATIONAL PROFESSIONAL ENTITIES INCLUDING BUT NOT LIMITED TO SMACNA, OSHA, ASHRAE, NFPA, ETC., WHICHEVER IS MORE STRINGENT.
2.

PROVIDE VIBRATION ISOLATORS SUCH AS FLEXIBLE CONNECTIONS, FLEXIBLE CONNECTORS, ETC. TO ISOLATE ALL MOVING COMPONENTS FROM REST OF THE SYSTEM COMPONENTS AS WELL AS THE BUILDING STRUCTURE.

EQUIPMENT AND COMPONENTS PROTECTION NOTES

1.

ALL EQUIPMENT OR TRADE COMPONENTS THAT ARE REQUIRED TO BE REMOVED AND REINSTALLED WILL BE TESTED FIRST FOR THEIR OPERATIONAL CONDITION IN THE PRESENCE OF THE OWNER AND A REPORT SUBMITTED TO OWNER FOR RECORDS.
2.

THE CONTRACTOR WILL THEN REMOVE THE EXISTING EQUIPMENT OR TRADE COMPONENTS CAREFULLY AND SAFELY FOR THEIR REMOTE STORAGE.
3.

THE CONTRACTOR WILL THEN STORE THE EXISTING EQUIPMENT OR TRADE COMPONENTS AT A WEATHERPROOF AND SECURE LOCATION TILL SUCH TIME AS TO BE REINSTALLED
4.

THE CONTRACTOR WILL DO REINSTALLATION WORK CAREFULLY AND SAFELY WITHOUT ANY DAMAGE TO THE EQUIPMENT OR TRADE COMPONENT.
5.

THE CONTRACTOR WILL THEN TEST THE OPERATIONAL CONDITION OF THE EQUIPMENT OR TRADE COMPONENT TO ITS ORIGINAL WORKING CONDITION AND DEMONSTRATE TO THE OWNER THE SAME.
6.

CONTRACTOR WILL SUBMIT THE TESTING AND OPERATIONAL CONDITION RECORD TO THE OWNER FOR THEIR RECORDS.
7.

WHERE WORK INVOLVES EXISTING DUCTWORK, CONTRACTOR SHALL INSPECT EXISTING DUCTWORK THAT ARE REMAINING AT DISCONNECTION POINT. REMOVE ANY EXISTING DEBRIS THAT CAN BE VISIBLE FROM DISCONNECTION POINT PRIOR TO TEMPORARILY CAPPING DUCTWORK.
8.

CONTRACTOR SHALL REPAIR, FIX AND/OR REPLACE ANY ANY EQUIPMENT OR COMPONENTS WHICH BECOME DAMAGED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION AT NO COST TO THE OWNER.



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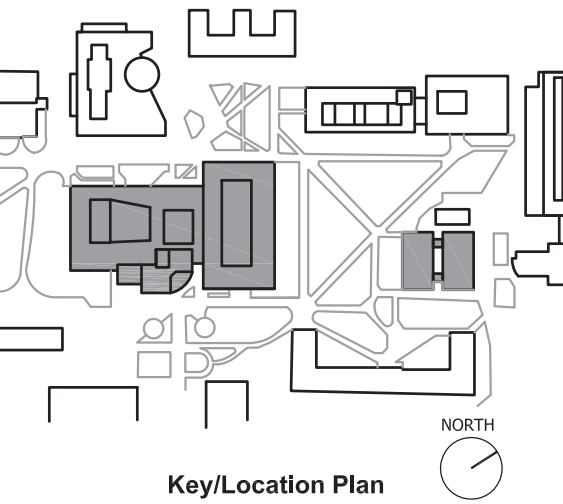


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Building:
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COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING

County of: ULSTER
Project No.: 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
HVAC NOTES

Seal & Signature:



Drawn By: -

Checked By:

Date: JANUARY 8, 2021

Scale: AS NOTED

Drawing No.:

M002.00

Sheet 20 of 47

GENERAL NOTES (APPLICABLE TO ALL DRAWINGS)

PHASING

1. VERIFY AND CONFIRM WITH OWNER THE PHASING REQUIREMENTS OF THE PROJECT BEFORE BIDDING REGARDLESS OF WHETHER THE INFORMATION IS PRESENTED (OR OTHERWISE) IN THE CONTRACT DOCUMENTS.
2. ANY PHASING INFORMATION WHERE PROVIDED IN THE CONTRACT DOCUMENTS ARE TO PROVIDE THE INTENT OF PHASING WORK ONLY AND MAY NOT INCLUDE ALL INFORMATION REQUIRED TO MEET THE INTENT OF THE OWNERS REQUIREMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE PHASING REQUIREMENTS, METHODOLOGY, SCHEDULE, COORDINATION WITH THE OWNER.
3. IN ALL ASPECTS OF PHASING WORK, ALL ITEMS SHALL BE IN FULL COMPLIANCE WITH THE CURRENT CODE AND STANDARDS.
4. ALL PHASES OF THE PROJECTS SHALL ENSURE STANDALONE FULLY FUNCTIONAL CODE COMPLIANT SYSTEM REQUIRED FOR AN OCCUPIED SPACE USE.
5. ALL PHASING COSTS SHALL BE INCLUDED IN THE PROJECT BID.

DEMOLITION NOTES

1. ALL PIPING AND DUCTS IN WALLS AND FLOORS NOT TO BE REUSED SHALL BE PLUGGED OR CAPPED AND CUTTING AND PATCHING SHALL BE PERFORMED TO RESTORE SURFACE TO ORIGINAL CONDITION BY CONTRACTOR.
2. ALL PIPING AND DUCTS IN WALLS AND FLOORS DISCONNECTED IN PORTIONS FOR FUTURE USE SHALL BE PROVIDED WITH TEMPORARY WEATHER TIGHT CAPS TILL SUCH TIME AS THEY ARE RECONNECTED AND REUSED.
3. ALL WALL, ROOF, FLOOR OPENINGS CREATED DUE TO DEMOLITION WORK BY THIS TRADE SHALL BE PROVIDED WITH EITHER TEMPORARY WEATHER-TIGHT CAPS, WHERE SUCH OPENINGS ARE REUSED, OR PERMANENT WEATHER-TIGHT CAPS WHERE THE OPENS ARE NOT REUSED. NO OPENINGS CREATED BY THIS DEMOLITION SHALL REMAIN UNCAPPED AT ANY TIME.
4. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF HVAC WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN

CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.

5. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING HVAC SYSTEMS.
6. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
7. THE CONTRACTOR SHALL REMOVE ALL DUCT & PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING AND/OR DUCTWORK THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS NECESSARY.
8. PORTIONS OF PIPING AND/OR DUCTWORK TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.

9. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
10. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE CONTRACTOR, AS DIRECTED BY THE OWNER AT NO ADDITIONAL COST TO OWNER.
11. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
12. THE SHUTDOWN OF EXISTING BUILDING HVAC SERVICES SHALL BE COORDINATED WITH WITH THE OWNER.
13. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL STATE & LOCAL REQUIREMENTS REGARDING DISPOSAL OF REFRIGERANTS.

UTILITY TEMPORARY INTERRUPTION NOTES

1. ANY UTILITY INTERRUPTION OF HVAC SYSTEM, ELECTRICAL SYSTEM, FIRE ALARM SYSTEM ETC. DUE TO ANY WORK SHALL BE KEPT TO A MINIMUM.
2. CONTRACTOR SHALL NOTIFY SUCF AND REQUEST APPROVAL PRIOR TO ANY UTILITY INTERRUPTION.

ROOFTOP UNIT SCHEDULE																											BASIS OF SELECTION: JOHNSON CONTROL					
GENERAL DATA				FAN DATA					DX COOLING COIL DATA						COMPRESSOR			ELECTRICAL DATA					PRE FILTER		FINAL FILTER		EER	IEER	WEIGHT (LBS)	DIMENSIONS (INCHES)	REMARKS	
UNIT NO.	SERVICE	LOCATION	MODEL NO.	TOT. CFM	O.A. CFM	ESP. IN. W.C.	MOTOR DATA			E.A.T.(°F)		L.A.T.(°F)		TOT. CAP. (MBH)	SENS. CAP. (MBH)	NO.	NO.1 RLA (A)	NO.2 RLA (A)	VOLT	PH	HZ	MCA (A)	MOP (A)	QTY.	MERV	QTY.						MERV
							B.H.P.	RPM	DRIVE	DB	WB	DB	WB																			
RTU-1	DORSKY MUSEUM	ROOF	50HC-D17A2M5-6W0G0	4800	1360	1.4	4	750	BELT	79.2	65.5	55.1	53.0	179,680	125,110	2	25	25	208	3	60	71.6	90	3	8	3	13	12.2	13.7	2124	127.9Lx86.4Wx49.4H	SEE NOTE 1 TO 9
RTU-2	DORSKY MUSEUM	ROOF	50HC-D08A2M5-6W0A0	2450	850	1.4	3	750	BELT	79.2	65.5	54.9	53.6	87,720	64,290	2	13.6	13.6	208	3	60	41	50	2	8	2	13	12.2	12.9	983	88.1Lx59.5Wx49.4H	SEE NOTE 1 TO 8

- NOTES:
1. COOLING COIL TO BE SELECTED BASED ON CAPACITIES SHOWN.
2. PROVIDE ECONOMIZER.
3. HIGH STATIC BELT DRIVE BLOWER.
4. PROVIDE DISCONNECT SWITCH, POWERED CONVENIENCE OUTLET, VIBRATION ISOLATORS.
5. CONNECT UNITS TO EXISTING BMS.
6. PROVIDE 18" ROOF CURB.
7. THE CONTRACTOR SHALL PROVIDE EQUIPMENT THAT SHALL MATCH MATCH THE FOOTPRINT OF THE EXISTING RTU BEING REPLACED WITH MINIMAL MODIFICATIONS TO THE FOOTPRINT.
8. PROVIDE VARIABLE FREQUENCY DRIVE.
9. PROVIDE ROOF CURB ADAPTER FOR RTU-1.

FAN SCHEDULE														(LOREN COOK AS STANDARD)	
TAG NO.	LOCATION	SYSTEM SERVED	PERFORMANCE DATA		SELECTION DATA			MOTOR DATA					WEIGHT	REMARKS	
			CFM	TOTAL SP INCH W.C.	TYPE	MODEL	DRIVE	VOLT	PH	BHP	HP	RPM			
EX-1	ROOF	ART PAINTING ROOM	3000	0.4	CENTRIFUGAL ROOF	195ACEB	BELT	208	3	0.434	0.5	1725	128	SEE NOTES	

- NOTES:
1. PROVIDE CURB EXTENDER.
2. PROVIDE VARIABLE SPEED CONTROL AND VFD. VFD MOUNTED IN THE SOUTH EAST FAN ROOM ON THE SAME FLOOR.
3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AT FAN.
4. PROVIDE SPARK PROOF MOTOR FAN.
5. PROVIDE INTERMATIC 1125C OR APPROVED EQUAL PROGRAMMABLE TIME CLOCK WITH MANUAL OVERRIDE IN THE THIRD FLOOR 50 FT FROM THE FAN LOCATION AT A LOCATION AS DIRECTED BY OWNER.



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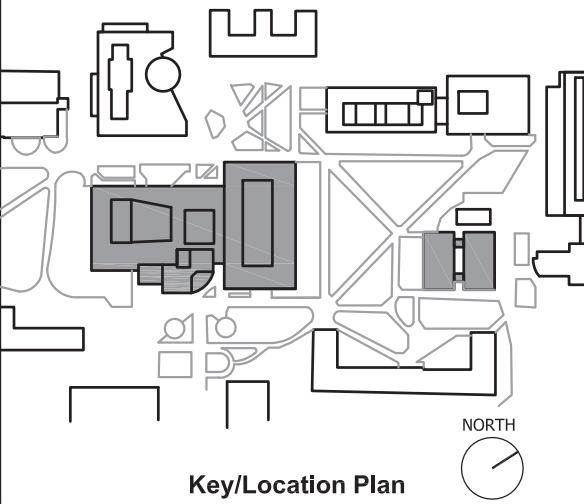
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FACULTY OFFICE BUILDING

County of: Project No.:
ULSTER 081047-00

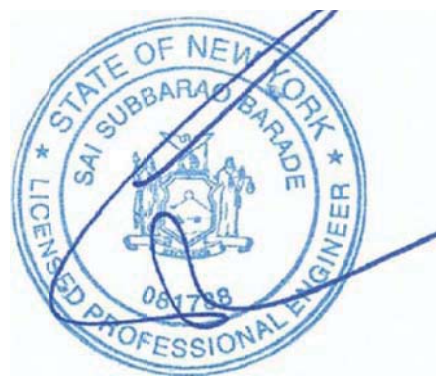


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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MUSEUM AND FACULTY OFFICE
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Project No.: 081047-00

Drawing Title:
NOTE & SCHEDULES

Seal & Signature:



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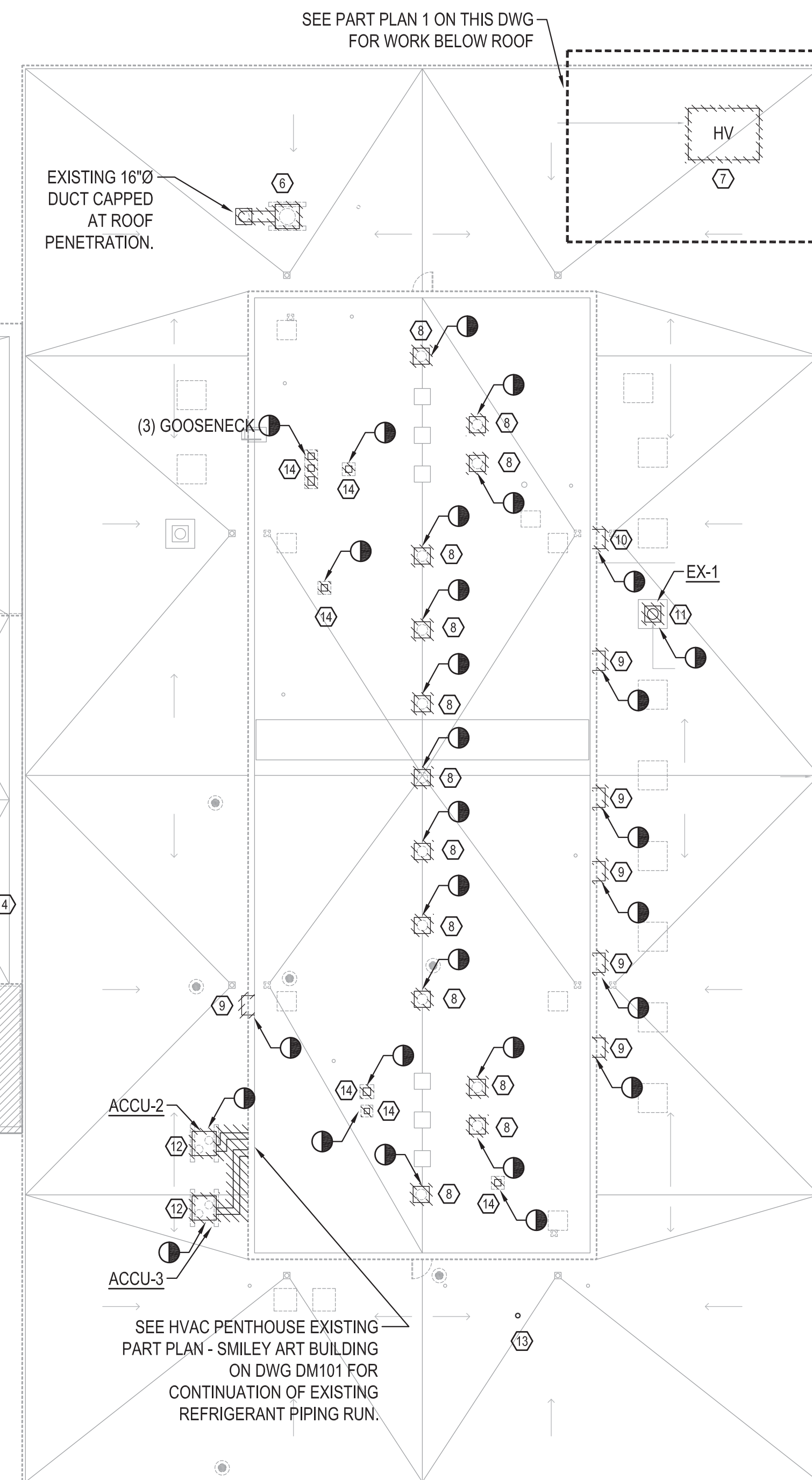
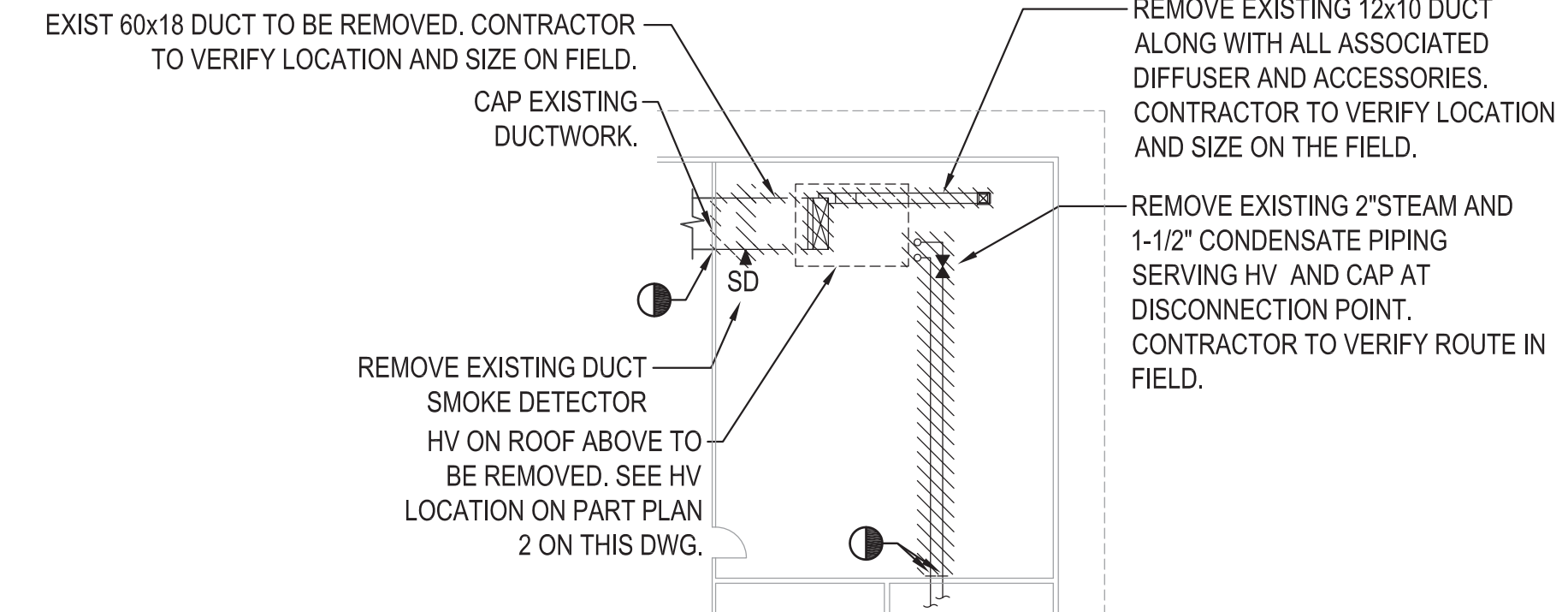
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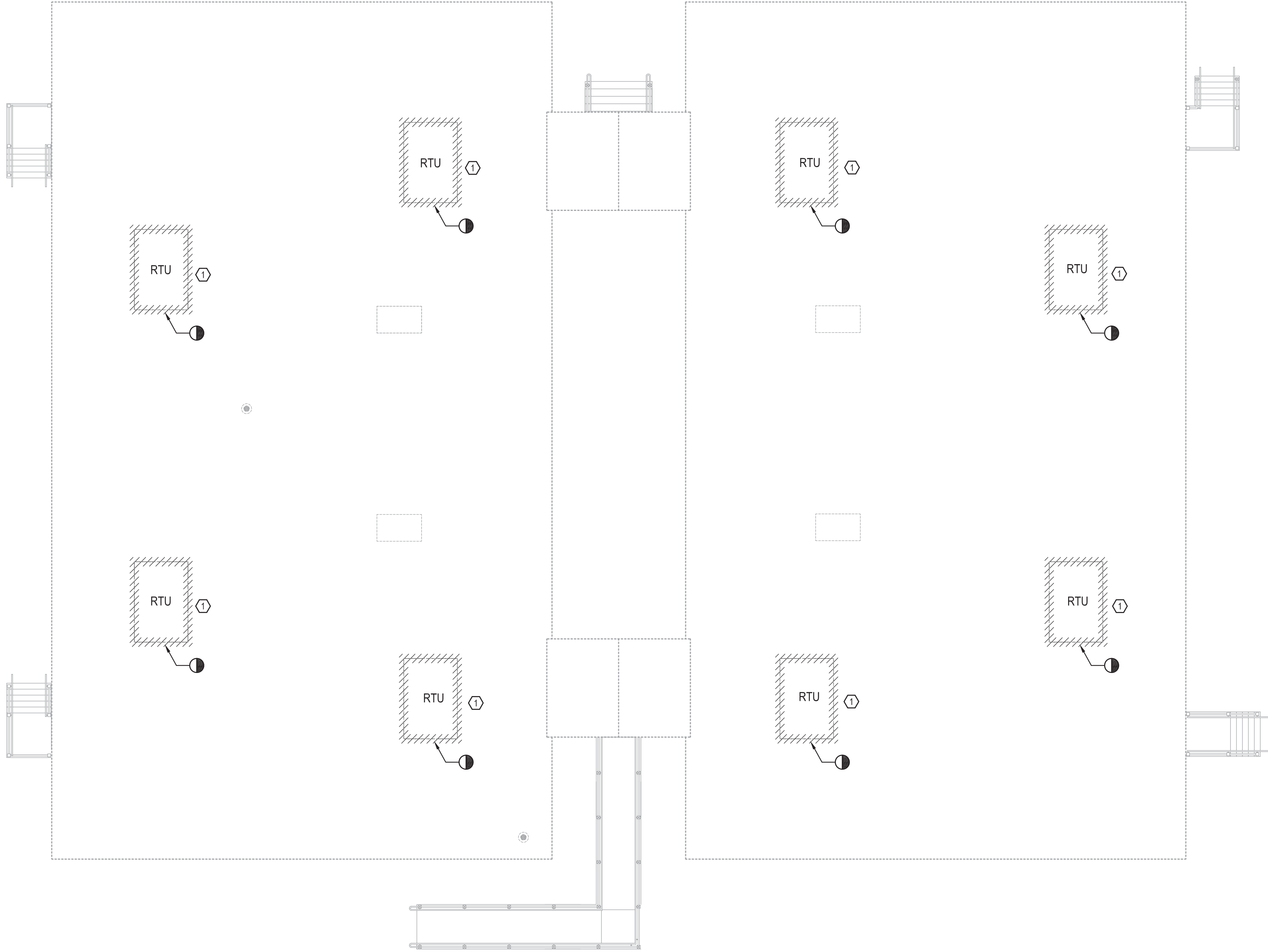
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Sheet 21 of 47



Sheet 22 of 47



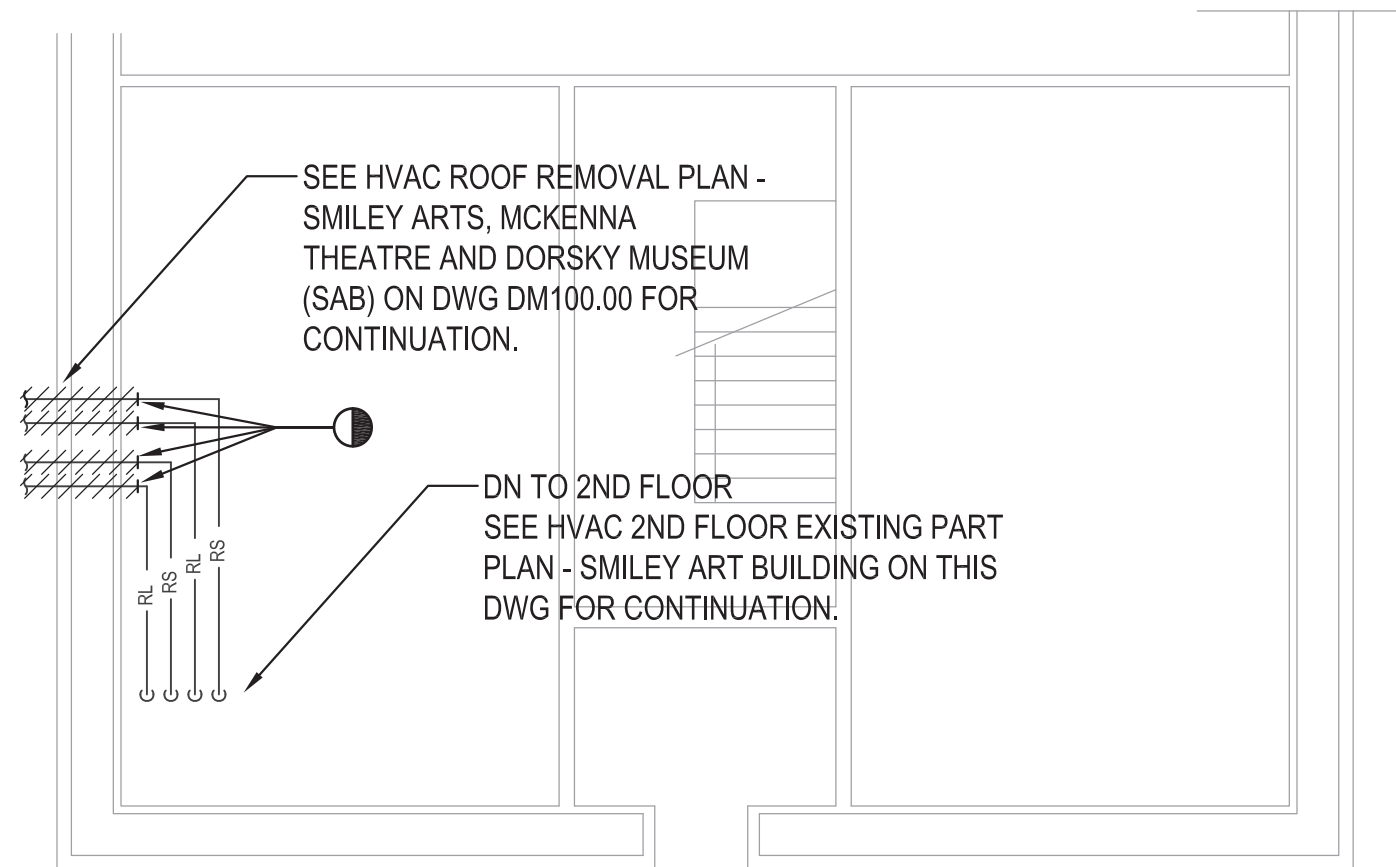
1 HVAC ROOF REMOVAL PLAN - FACULTY OFFICE BUILDING
SCALE: 1/8"=1'-0"

GENERAL NOTES

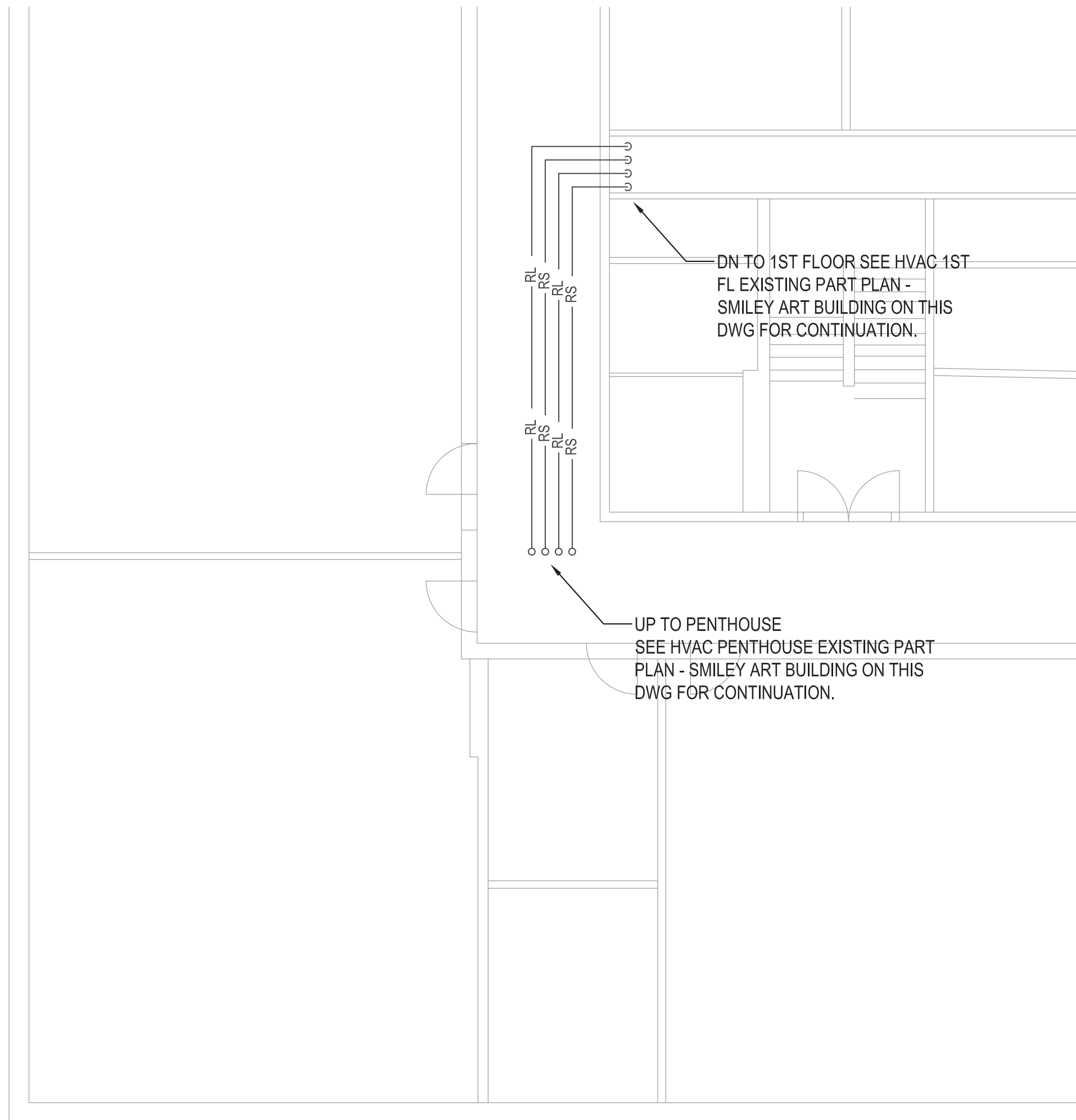
1. ANY EXISTING EQUIPMENT TO BE REMOVE AND REINSTALLED SHALL BE STORED IN A SAFE LOCATION. PROVIDE ANY REQUIRED PROTECTION TO ENSURE EQUIPMENT IS FREE FROM ANY DAMAGE SUCH AS MOSITURE,TEMPERATURE, ETC. CONTRACTOR SHALL TEMPORARILY SEAL OFF ANY OPENING TO PREVENT DAMAGE FROM ANY RODENTS, INSECTS AND OTHER PEST NESTING AND INFESTATIONS.

TAG NOTES

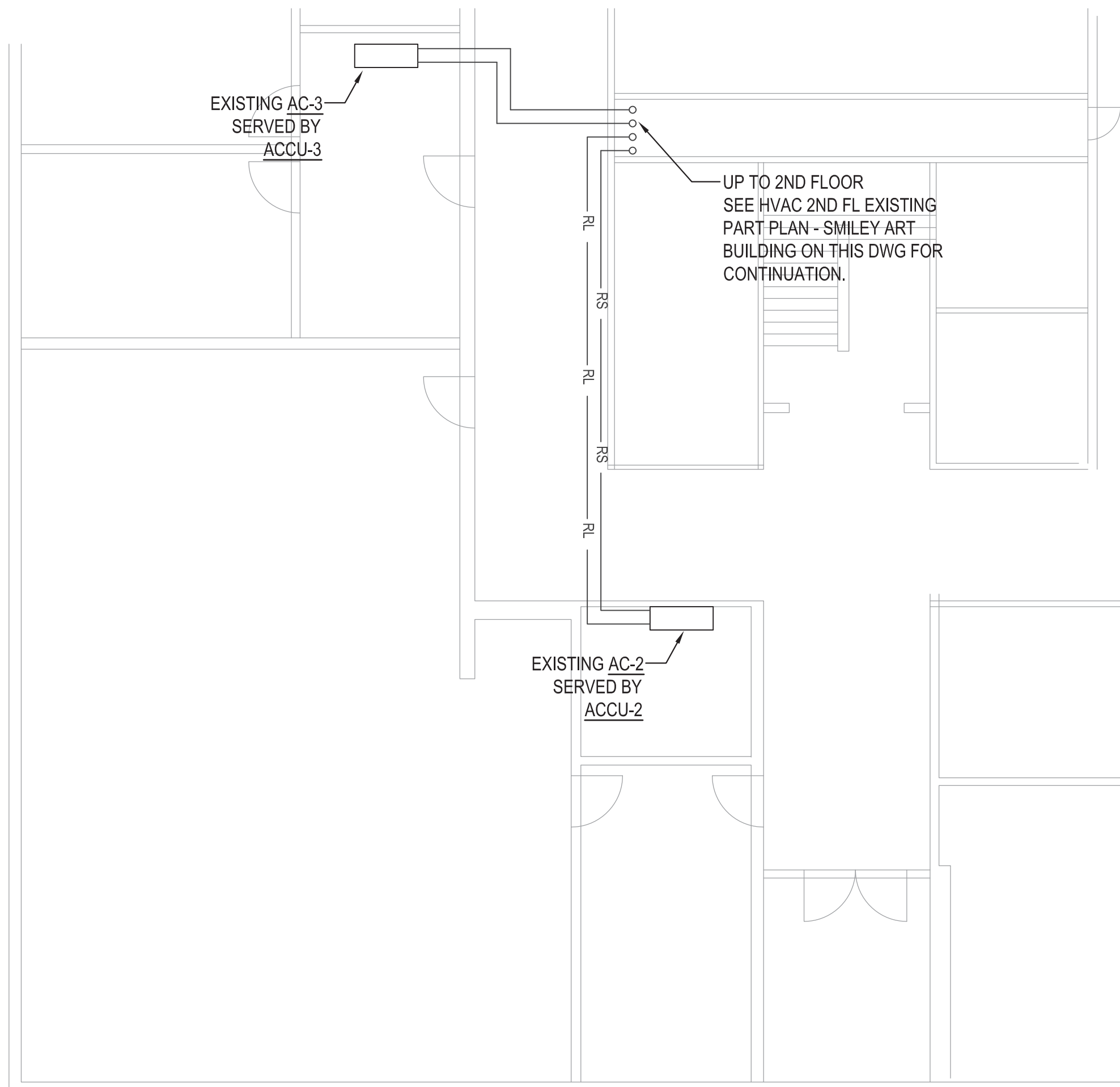
- ① PRIOR TO REMOVAL, CONTRACTOR SHALL TEST EQUIPMENT'S OPERATIONAL CONDITION IN THE PRESENCE OF OWNER, MEASURE SUPPLY AND RETURN MAIN DUCT AIRFLOWS, SUPPLY DUCT STATIC PRESSURE, RETURN DUCT STATIC PRESSURE, MOTOR AMP READINGS. PREPARE TEST REPORTS AND SUBMIT REPORT TO OWNER FOR BASELINE RECORD. DISCONNECT POWER, CONTROL, GAS CONNECTIONS, REMOVE EXISTING RTU CAREFULLY. SAFELY STORE RTU DURING CONSTRUCTION. TEMPORARILY CAP EXISTING ROOF OPENING, EXISTING DUCTWORK DURING CONSTRUCTION. CONTRACTOR SHALL INSPECT EXISTING DUCTWORK THAT ARE REMAINING AT DISCONNECTION POINT. REMOVE ANY EXISTING DEBRIS THAT IS VISIBLE FROM DISCONNECTION POINT PRIOR TO TEMPORARILY CAPPING DUCTWORK. REMOVE EXISTING CURB SERVING RTU.



2 HVAC PENTHOUSE REMOVAL PART PLAN - SMILEY ART BUILDING
SCALE: 1/8"=1'-0"



3 HVAC 2ND FLOOR EXISTING PART PLAN - SMILEY ART BUILDING
SCALE: 1/8"=1'-0"



4 HVAC 1ST FLOOR EXISTING PART PLAN - SMILEY ART BUILDING
SCALE: 1/8"=1'-0"



PROGRAM UNIT:



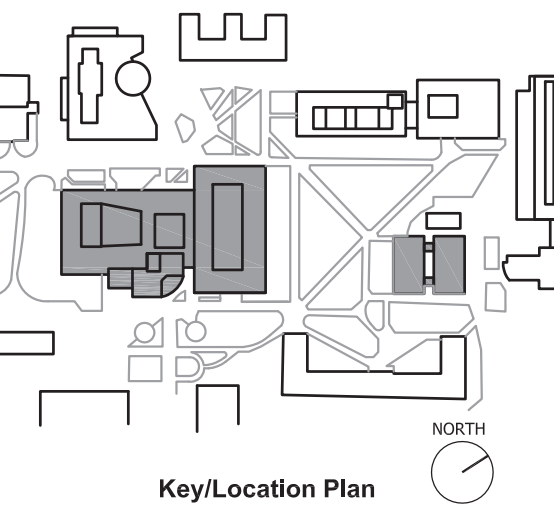
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County of: ULSTER
Project No.: 081047-00

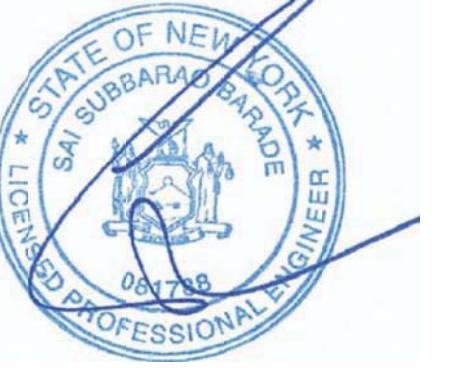


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
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Drawing Title:
HVAC ROOF REMOVAL PAN - FACULTY OFFICE BUILDING
HVAC EXISTING PENTHOUSE, 2ND FL & 1ST FLOOR PART
PLAN - SMILEY ART BUILDING

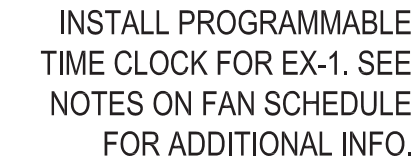
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Drawing No.: DM101.00

Sheet 23 of 47



1 HVAC 1ST FL CONSTRUCTION PART PLAN
SCALE: 1/16"=1'-0"



1. CONTRACTOR TO LEAK TESTING NEW DUCTWORK UP TO AND INCLUDING ITS CONNECTION TO EXISTING DUCT MAIN.

TAG NOTES

- ③ EXISTING RTU/CHILLER TO REMAIN
- ② REINSTALL EXISTING ACC-1. PROVIDE PIPING AND RECONNECT TO EXISTING PIPING INSIDE SKYLIGHT. SEE M501.00 FOR DETAIL. RECHARGE CONDENSERS WITH R-407C REFRIGERANT. CONTRACTOR SHALL PROVIDE ADDITIONAL REFRIGERANT AS NEEDED FOR PROPER SYSTEM OPERATION. CONTRACTOR SHALL PROVIDE FUNCTIONAL TESTING OF ACC AFTER COMPLETION OF REINSTALLATION. PROVIDE REPORT OF TESTING RESULT TO OWNER. SEE EQUIPMENT AND COMPONENTS PROTECTION NOTES ON DRAWING M001 FOR MORE DETAILS.
- ③ PROVIDE RTU WITH NEW 18" CURB FOR RTU-2, 12" CURB WITH 18" CURB ADAPTER FOR RTU-1. CONNECT DUCTWORK, ELECTRICAL POWER, CONTROL WIRING TO THE UNIT. CONTRACTOR TO COORDINATE LOCATION ON THE FIELD. CONTRACTOR SHALL PROVIDE FUNCTIONAL TESTING OF RTU AFTER COMPLETION OF ALL WORK. PROVIDE REPORT OF TESTING RESULT TO OWNER. CONTRACTOR SHALL TEST AND BALANCE ALL SUPPLY AND RETURN OUTLETS. SEE PART PLAN 3 FOR EXISTING CFM OF OUTLETS.
- ④ DUCTWORK DN TO FLOOR BELOW AND CONNECT TO EXISTING SEE PART PLAN 3 FOR CONTINUATION.
- ⑤ DUCTWORK PENETRATE INTO EXISTING MER. SEE PART PLAN 3 FOR CONTINUATION.
- ⑥ CONNECT EX-1 TO EXISTING CURB. 20x20 DUCT DN. CONNECT FAN TO NEW FAN CONTROL IN PAINTING ROOM BELOW. CONTRACTOR SHALL PROVIDE FUNCTIONAL TESTING OF FAN AFTER COMPLETION OF ALL WORK. PROVIDE REPORT OF TESTING RESULT TO OWNER.
- ⑦ PROVIDE CURB AND REINSTALL EXISTING ACCU. EXTEND AND RECONNECT EXISTING REFRIGERANT PIPING TO EXISTING ACCU. RECHARGE ACCU WITH R-22 REFRIGERANT. CONTRACTOR SHALL PROVIDE ADDITIONAL REFRIGERANT AS NEEDED FOR PROPER SYSTEM OPERATION. CONTRACTOR SHALL PROVIDE FUNCTIONAL TESTING OF ACCU AFTER COMPLETION OF REINSTALLATION. PROVIDE REPORT OF TESTING RESULT TO OWNER. SEE EQUIPMENT AND COMPONENTS PROTECTION NOTES ON DRAWING M001 FOR MORE DETAILS.
- ⑧ 20x20 UP TO EX-1. PROVIDE 24x24 EXHAUST GRILLE IN CEILING. EXHAUST GRILLE MODEL TO BE 35 BY ANEMOSTAT.

2 HVAC ROOF CONSTRUCTION PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)
SCALE: 1/16"=1'-0"



PROGRAM UNIT:



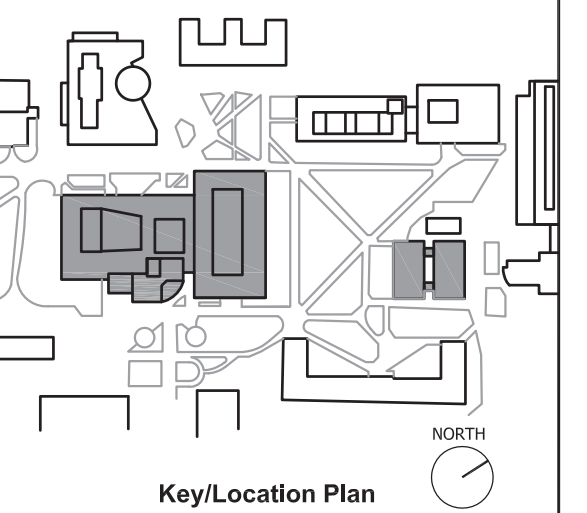
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FACULTY OFFICE BUILDING

County of: **Project No.:**
ULSTER **081047-00**

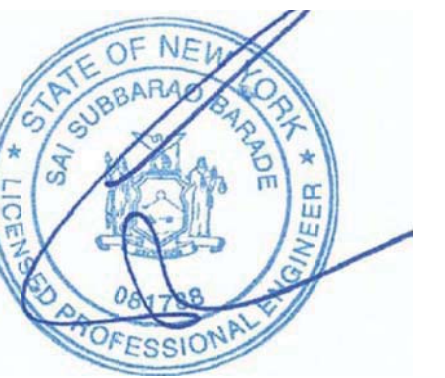


Contract Title:
**ROOF REPLACEMENT - SMILEY ARTS,
 COLLEGE THEATRE, DORSKY
 MUSEUM AND FACULTY OFFICE
 BUILDING**

Project No.: 081047-00

Drawing Title:
VAC ROOF CONSTRUCTION PLAN - SMILEY ARTS,
MCKENNA THEATRE AND DORSKY MUSEUM (SAB)

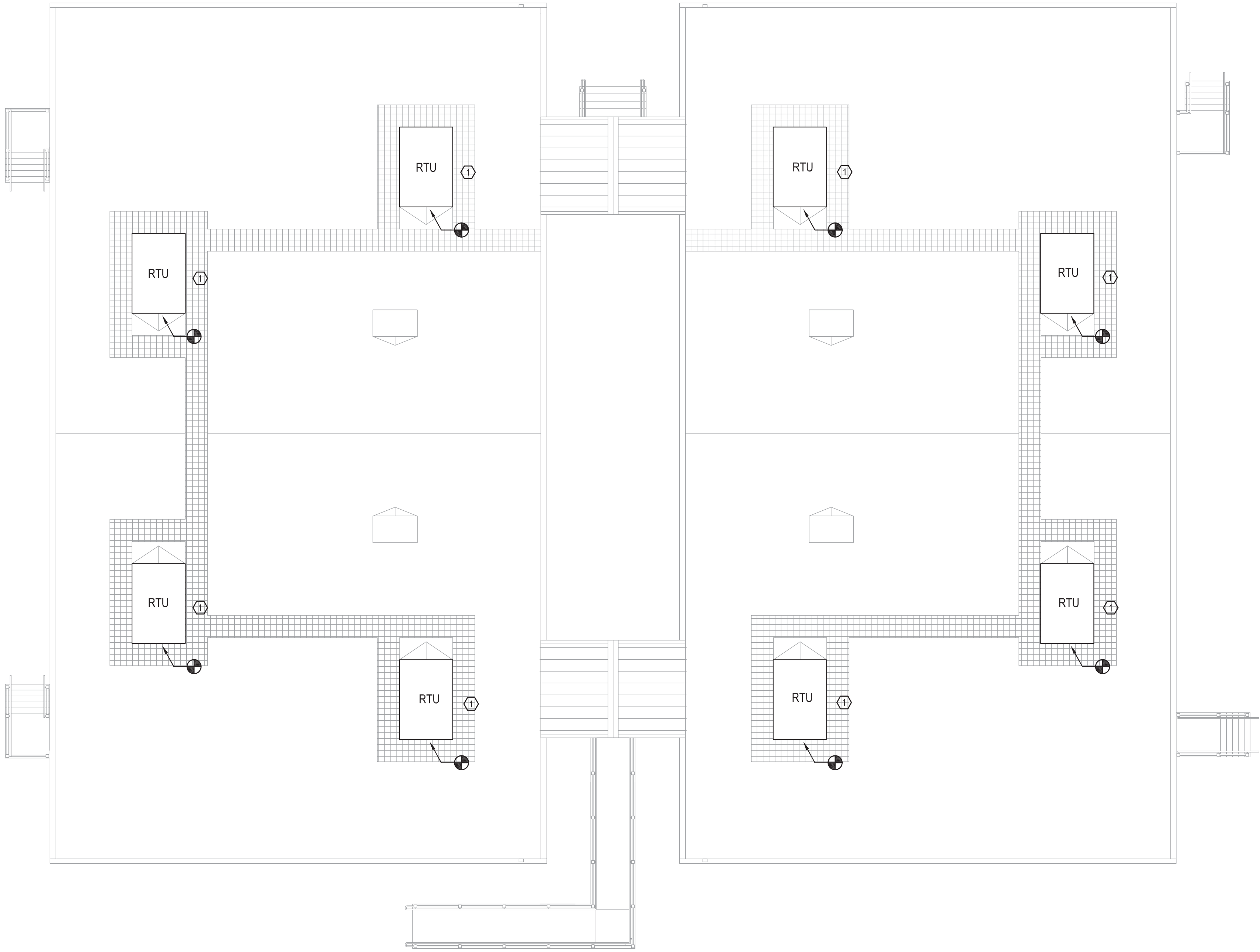
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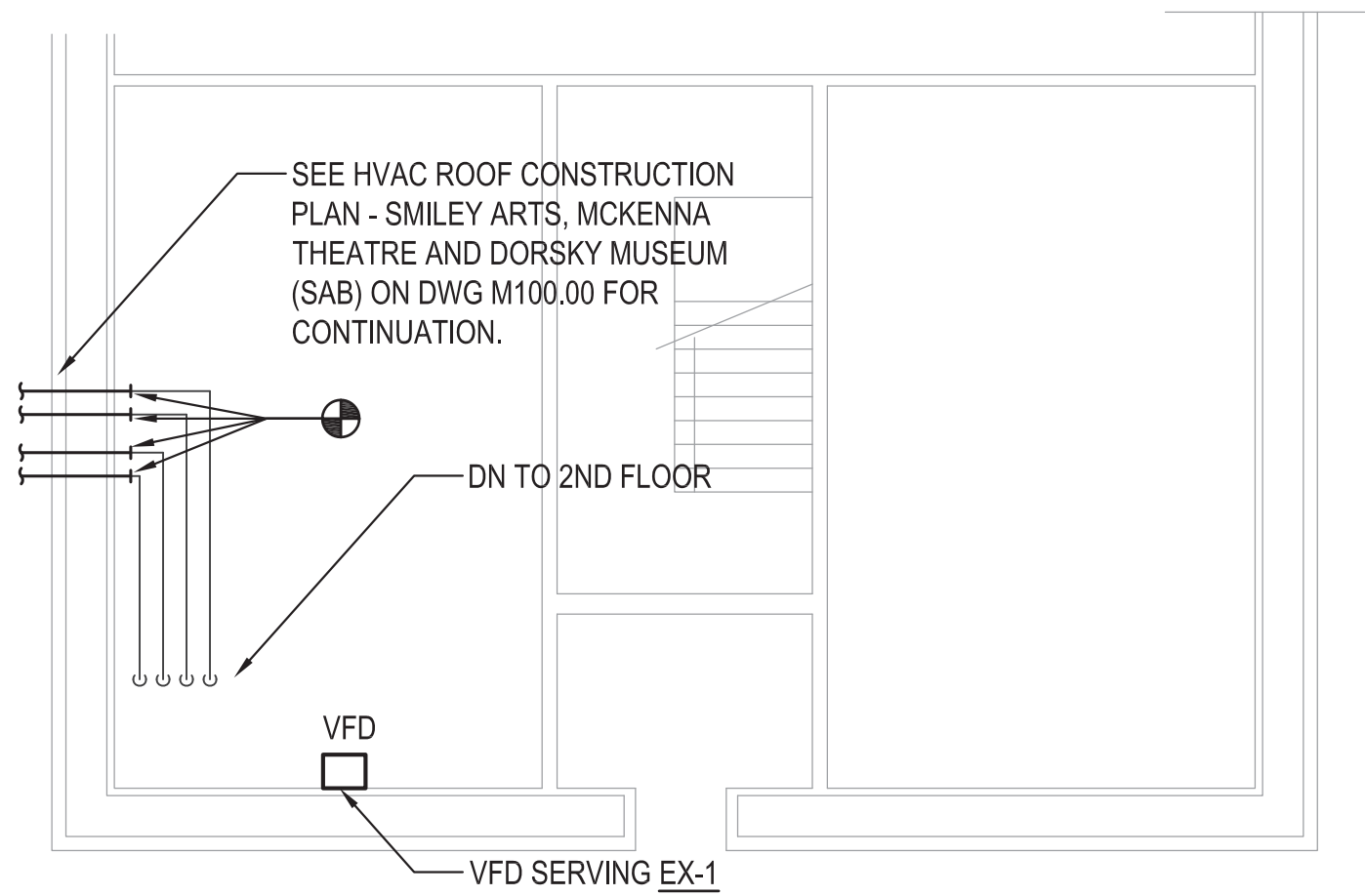
Sheet 24 of 47



1 HVAC ROOF CONSTRUCTION PLAN - FACULTY OFFICE BUILDING
SCALE: 1/8"=1'-0"

TAG NOTES

- 1 PROVIDE CURB TO MATCH EXISTING CURB AND RECONNECT EXISTING RTU TO EXISTING DUCTWORK. EXISTING RTU MODEL: YCC060F1MOBH BY TRANE. CONTRACTOR SHALL PROVIDE FUNCTIONAL TESTING OF RTU AFTER COMPLETION OF ALL WORK. PROVIDE REPORT OF TESTING RESULT TO OWNER. SEE EQUIPMENT AND COMPONENTS PROTECTION NOTES ON DRAWING M001 FOR MORE DETAILS. SEE DETAIL 10 ON M501.00. CONNECT DUCT SMOKE DETECTORS TO THE ROOFTOP UNITS. REBALANCE AIRFLOWS TO BASELINE READINGS PERFORMED PRIOR TO REMOVAL AS INDICATED IN DWG DM101.00.



2 HVAC PENTHOUSE CONSTRUCTION PART PLAN - SMILEY ART BUILDING
SCALE: 1/8"=1'-0"



PROGRAM UNIT:



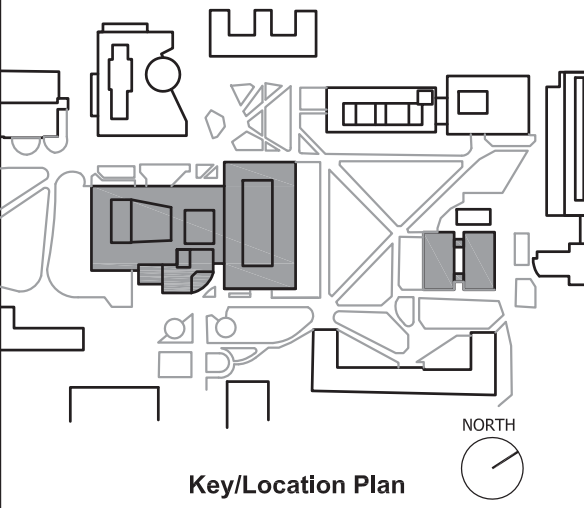
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County of: ULSTER
Project No.: 081047-00

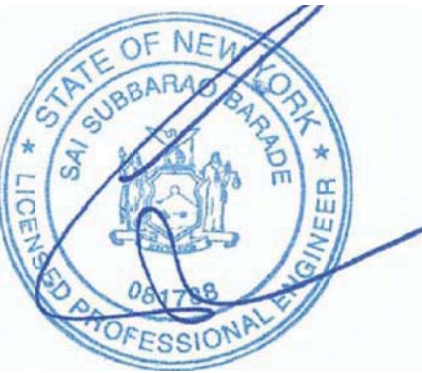


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
HVAC ROOF CONSTRUCTION PLAN - FACULTY OFFICE
BUILDING

Seal & Signature:



Drawn By: -

Checked By:

Date: JANUARY 8, 2021

Scale: AS NOTED

Drawing No.:

M101.00

Sheet 25 of 47

TEMPERATURE CONTROL LEGEND

AI	ANALOG INPUT (BMS)
AO	ANALOG OUTPUT (BMS)
BMS	BUILDING MANAGEMENT SYSTEM
C	COMMON
CO2	CARBON DIOXIDE SENSOR
CWRT	CONDENSER WATER RETURN TEMPERATURE
CWST	CONDENSER WATER SUPPLY TEMPERATURE
D	DAMPER
DA	DAMPER ACTUATOR
DCP	DIGITAL CONTROL PANEL
DDC	DIRECT DIGITAL CONTROL
DI	DIGITAL INPUT (BMS)
DO	DIGITAL OUTPUT (BMS)
D/N	DAY/NIGHT SIGNAL
DPI	DIFFERENTIAL PRESSURE INDICATOR
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FE	FLOW ELEMENT
FM	FLOW METER
FMSI	FACILITY MASTER SYSTEM INTEGRATOR
EP	ELECTRIC-TO-PNEUMATIC SWITCH
ES	END SWITCH, POSITION SWITCH
FS	FLOW SWITCH
H	HUMIDITY SENSOR
HI	HUMIDITY INDICATOR
HMI	HUMAN MACHINE INTERFACE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTDOOR AIR
OS	OCCUPANCY SENSOR
PI	PRESSURE INDICATOR, PULSE INPUT (BMS)
PSH	PRESSURE SWITCH HIGH
PSL	PRESSURE SWITCH LOW
RS	REFRIGERANT SENSOR
RWT	RETURN WATER TEMPERATURE
S	SWITCH
SD	SMOKE DETECTOR
SPS	STATIC PRESSURE SENSOR
SW	SUMMER-WINTER SIGNAL
SWT	SUPPLY WATER TEMPERATURE
T	THERMOSTAT
TS	TEMPERATURE SENSOR
TDR	TIME DELAY RELAY
THL	TEMPERATURE HIGH LIMIT THERMOSTAT
TI	TEMPERATURE INDICATOR
TLL	TEMPERATURE LOW LIMIT THERMOSTAT
V	VALVE
WB	WET BULB
WU	WARM-UP SIGNAL

SYSTEM LEGEND/SYMBOL

	FILTER
	PREHEAT COIL
	COOLING COIL
	REHEAT COIL
	HEATING COIL
	ELECTRIC HEATING COIL
	DIRECT EXPANSION COOLING COIL
	CARBON MONOXIDE SENSOR (TO BE PROVIDED BY MECHANICAL CONTRACTOR)
	CARBON DIOXIDE SENSOR
	OCCUPANCY SENSOR
	HUMIDITY SENSOR
	NATURAL GAS SENSOR (TO BE PROVIDED BY MECHANICAL CONTRACTOR)
	PRESSURE SWITCH HIGH
	PRESSURE SWITCH LOW
	THERMOSTAT (LOW/HIGH VOLTAGE, OR AS REQ'D)
	TEMPERATURE SENSOR
	SMOKE DAMPER
	AUTOMATIC DAMPER
	SMOKE DETECTOR
	FAN/PUMP

SYSTEM LEGEND/SYMBOL (CONT'D)

	BUTERFLY VALVE
	CHECK VALVE
	PRESSURE REGULATING VALVE
	MANUAL VALVE
EF	EXHAUST FAN
IN.WC.	INCHES WATER COLUMN
GPM	GALLONS PER MINUTE
MA	MIXED AIR
OA	OUTSIDE AIR
SA	SUPPLY AIR
SF	SUPPLY FAN
RA	RETURN AIR
RF	RETURN FAN
RE	RETURN/EXHAUST FAN
P	PUMP, PRESSURE
STM	STEAM SUPPLY
KW	KILOWATTS
KWH	KILOWATT HOURS
LPR	LOW PRESSURE RETURN
LPS	LOW PRESSURE STEAM
INWC	INCHES WATER COLUMN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
CFM	CUBIC FEET PER MINUTE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
VFD	VARIABLE FREQUENCY DRIVE

TEMPERATURE CONTROL SYMBOL

	CONTROL VALVE, 2-WAY
	CONTROL VALVE, 3-WAY
	PARALLEL BLADE DAMPER
	OPPOSED BLADE DAMPER
	LON COMMUNICATION CONNECTION
	AIR FLOW STATION
	AVERAGING BULB SENSOR
	B - BULB SENSOR
	INDICATING DP SWITCH



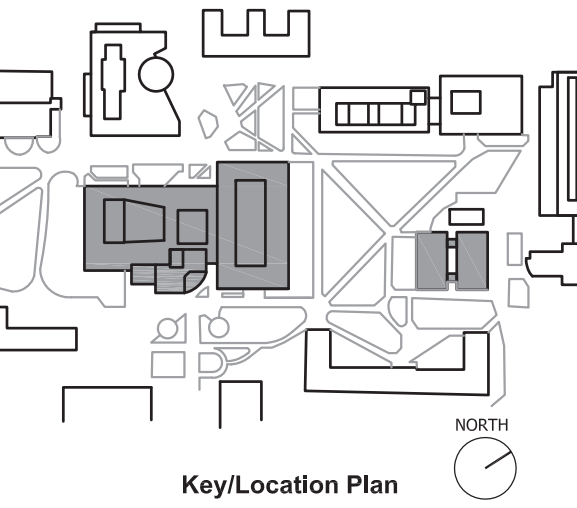
PROGRAM UNIT:

MDSzerbatty Associates Architecture LLC
307 Seventh Avenue New York NY 10001 P 212 262 3307 F 212 352 9306 mdsajc.com

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SMILEY ARTS BUILDING,
COLLEGE THEATRE,
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING
County of: **Project No.:**
ULSTER 081047-00

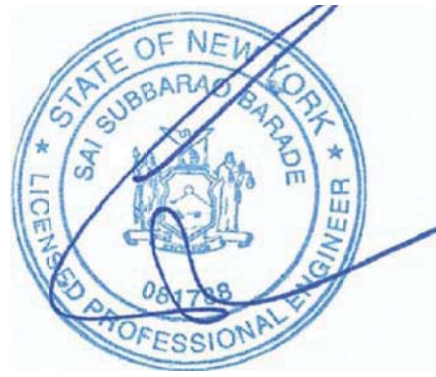


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
HVAC - CONTROLS SHEET 1 OF 3

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M401.00

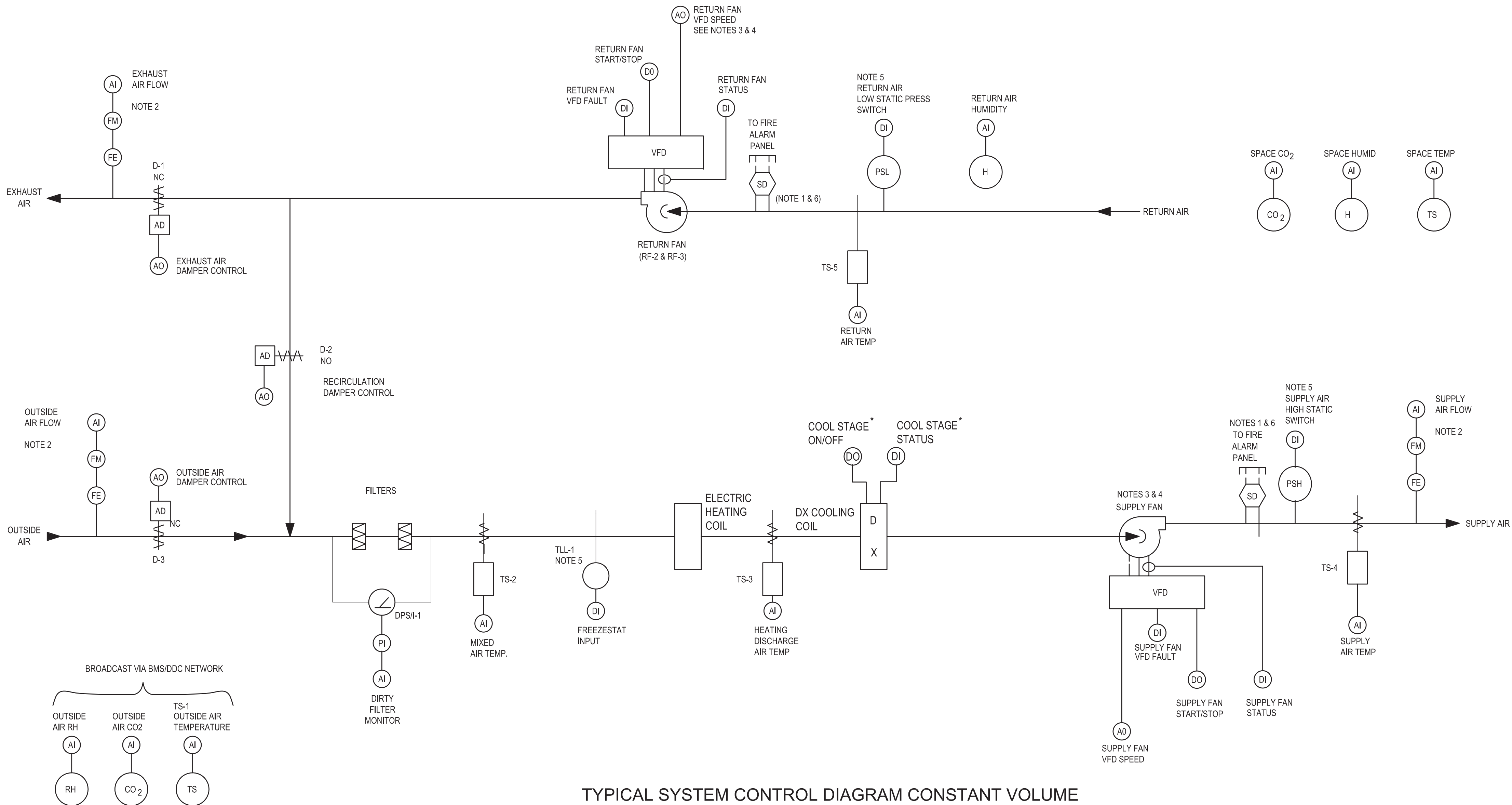
Sheet 26 of 47

LEGEND

TLL-1	TEMPERATURE LOW LIMIT	AI	ANALOG INPUT
TS-1	OUTSIDE AIR TEMP	AO	ANALOG OUTPUT
TS-2	MIXED AIR TEMP	LON	LONWORKS NETWORK CONNECTION
TS-3	PREHEAT DISCHARGE	PSL	PRESSURE SWITCH LOW
TS-4	DISCHARGE AIR TEMP	PSH	PRESSURE SWITCH HIGH
TS-5	RETURN AIR TEMP	DPS/I	DIFF. PRESSURE SWITCH/INDICATOR
FE	FLOW ELEMENT	AD	DPR ACTUATORS
FM	FLOW METER	RH	RELATIVE HUMIDITY
DO	DIGITAL OUTPUT	CO2	CARBON DIOXIDE SIGNAL
DI	DIGITAL INPUT		

NOTES:

- DUCT SMOKE DETECTORS SHALL BE PROVIDED IN MAIN SUPPLY AND RETURN DUCT FOR SYSTEMS OVER 2,000 CFM AND ALSO UPSTREAM OF EACH STORY RETURN DUCT/ RISER CONNECTION WHERE RETURN AIR RISERS SERVE TWO OR MORE STORIES FOR SYSTEMS OVER 15,000 CFM.
- INTEGRATE AIR FLOW MEASURING APPARATUS INTO THE BMS/DDC NETWORK.
- RETURN FAN VFD SPEED SHALL TRACK SUPPLY FAN VFD SPEED.
- PROVIDE VARIABLE FREQUENCY DRIVE SUPPLY AND RETURN FANS FOR BALANCING ONLY.
- SAFETY SHUTDOWN DEVICES SHALL BE HARDWIRED TO THE FAN STARTER CIRCUIT IN ADDITION TO THE DDC SYSTEM. COORDINATE WITH VFD VENDOR FOR SHUTDOWN UNDER ALL MODES OF OPERATION.
- CONTRACTOR SHALL FURNISH FIRE ALARM SYSTEM COMPLIANT SMOKE DETECTORS AND FURNISH THEM TO THE CENTRAL ROOFTOP UNIT OR CENTRAL AIR HANDLING UNIT MANUFACTURER FOR FACTORY INSTALLATION OR FOR FIELD DUCTWORK INSTALLATION FOR THE FLOOR RETURN/RISER RETURN CONNECTIONS AS APPLICABLE. CONTRACTOR SHALL PROVIDE ALL SIGNAL AND CONTROL POWER WIRING.



PROGRAM UNIT:



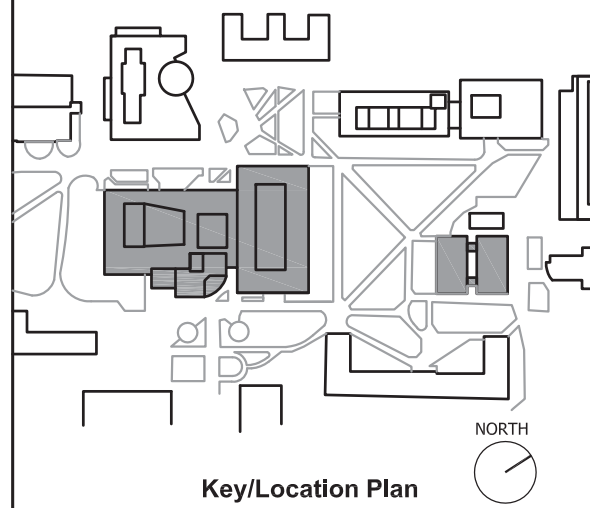
MDSzerbaty Associates Architecture LLC
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FACULTY OFFICE BUILDING
County of: Project No.:
ULSTER 081047-00

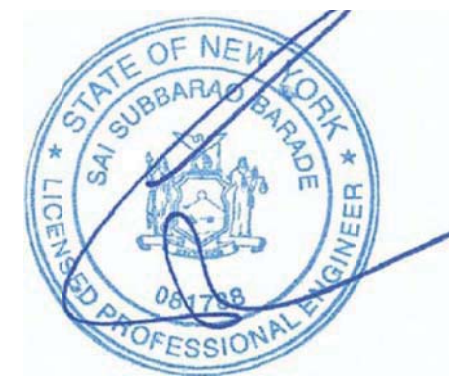


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
HVAC - CONTROLS SHEET 2 OF 3

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Sheet 27 of 47

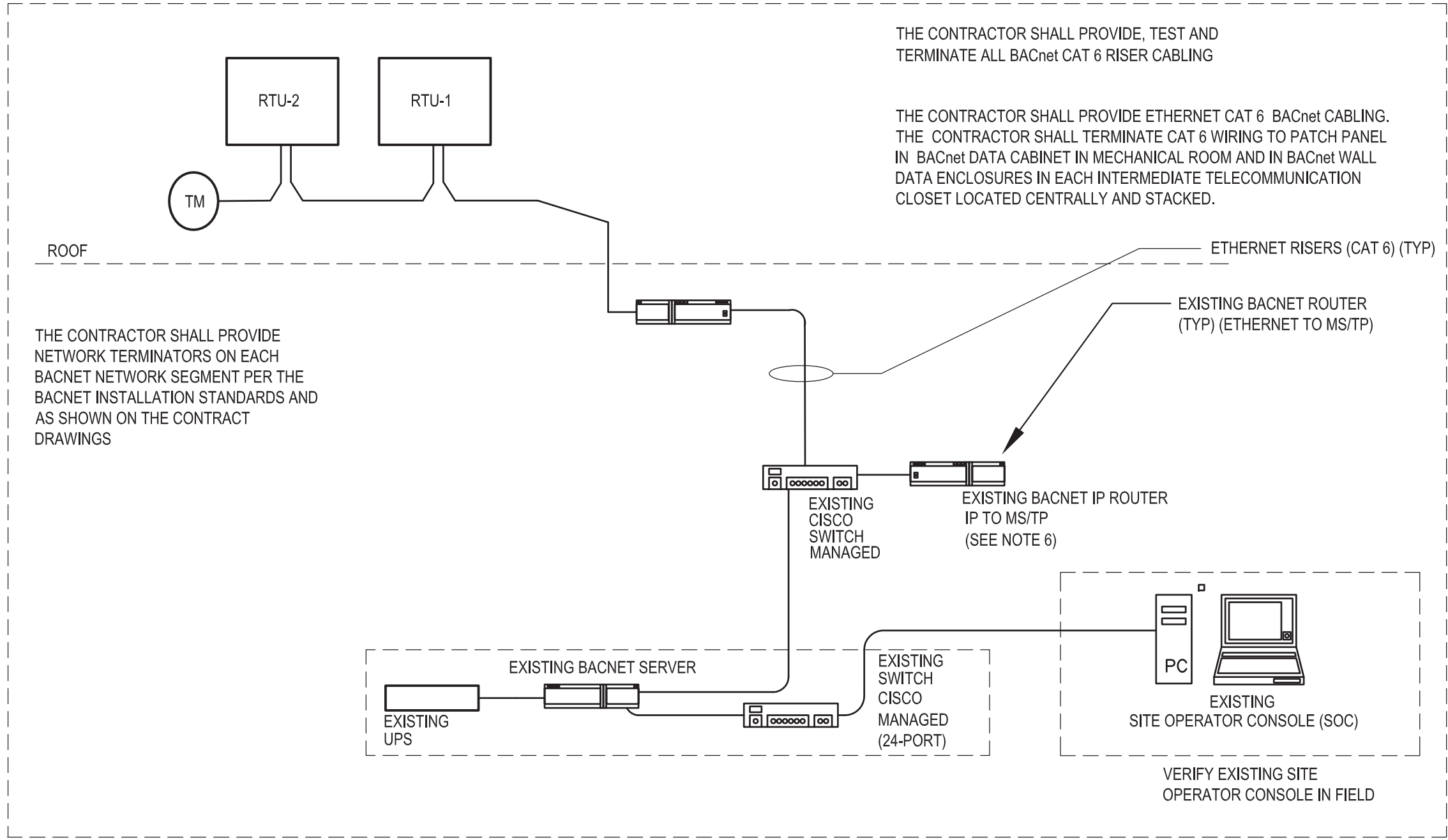
		INPUT/OUTPUT (NOTE 1)										SOFTWARE/FIRMWARE FEATURES (NOTE 2, 3)												NOTES				
"CONSTANT VOLUME AIR HANDLING UNIT"		SENSED			CALCULATED						CONTROL			ALARMS AND ADVISORIES (WITH INSTRUCTIONS)								MISC. FEATURES						
REFERENCE NO.	POINT NAME	ANALOG INPUT	ANALOG OUTPUT	DIGITAL INPUT	DIGITAL OUTPUT	RATE OF VARIABLE	TOTALIZE VARIABLE	TOTALIZED RUNTIME	DIFFERENTIAL CFM	DIFFERENTIAL CO2	OTHER CALCULATED	ANALOG CONTROL	DIGITAL CONTROL	SCHEDULED CONTROL	EVENT CONTROL	SUPERVISORY ALARM	CHANGE-OF-STATE	COS OFF-TO-ON	COS ON-TO-OFF	HIGH LIMIT ALARM	LOW LIMIT ALARM	RUNTIME LIMIT (HRS)	OTHER ALARM	MANUAL OVERRIDE	"DIRECT LON COMMUNICATION"	TRENDED VALUE	MISC. OTHER	NOTES
1	OUTSIDE AIR TEMP	B																										
2	OUTSIDE AIR HUMIDITY	B																										
3	OUTSIDE AIR CO2	B								C1																		6
4	MIXED AIR TEMP	X																			40.0F					X		
5	HEATING COIL DISCH TEMP	X																			40.0F					X		
6	SUPPLY AIR TEMP	X																								X		
7	RETURN AIR TEMP	X										X									55.0F							
8	RETURN AIR HUMIDITY	X										X																
9	SPACE TEMP	X										X									45.0F					X		
10	SPACE HUMIDITY	X										X								70.0%RH						X		8
11	DIRTY FILTER MONITOR	X															X			per Mfr								
12	FREEZESTAT ALARM		X														X				39.0F							
13	SF HIGH STATIC PRESSURE		X														X			[TBD]								5
14	RF LOW SUCTION PRESSURE		X										X				X				[TBD]							5
15	OUTSIDE AIR DAMPERS	X										X																
16	RETURN AIR DAMPERS	X										X																
17	SUPPLY AIR FLOW	X				cfm	CCF					X														X		NVO
18	COOLING COIL VALVE	X										X			X													
19	OUTSIDE AIR FLOW	X				cfm	CCF					X								SP-10%	SP+10%					X		4, NVO
20	SUPPLY FAN STATUS		X					X								X						1,000						
21	SUPPLY FAN VFD																								X			7
22	SUPPLY FAN VFD S/S			X									X	X	X													
23	SUPPLY FAN VFD FAULT		X														X											
24	SUPPLY FAN VFD SPEED		X									X																
25	COMMON FIRE ALARM (ONE/BLDG.)		X														X											
26	RETURN AIR FLOW	X				cfm	CCF					X														X		NVO
27	HOA SWITCH NOT IN AUTO		X										X															
28	EXHAUST AIR DAMPERS		X									X																

LEGEND

- X = PROVIDE QUANTITY AS REQUIRED TO INCLUDE ALL INSTANCES OF THE INDICATED FEATURE. INCLUDE MULTIPLE POINTS WITHIN EACH MECHANICAL SYSTEM AS NECESSARY. COORDINATE WITH EQUIPMENT VENDOR.
- B = INFORMATION PROVIDED TO EACH SYSTEM VIA NETWORK BROADCAST.

NOTES:

1. THE POINT LISTED HEREIN ARE THE MINIMUM POINTS REQUIRED FOR THE CONTROL AND MONITORING OF THIS EQUIPMENT. THIS POINT LIST IS TYPICAL FOR EACH MECHANICAL/ELECTRICAL SYSTEM OF THIS TYPE. IF THE SEQUENCE OF OPERATION REQUIRES ADDITIONAL OR DIFFERING INFORMATION, IT MUST BE PROVIDED BY THE RESPECTIVE PROVIDER OF THE CONTROLS FOR THIS TYPE OF EQUIPMENT AS COORDINATED BY THE GENERAL AND MECHANICAL CONTRACTORS.
2. THE CONTRACTOR SHALL PROVIDE ALL DIGITAL ALARM LOGIC. ALL DIGITAL ALARMS SHALL BE PART OF THE LNS DATABASE.
3. PROVIDE MANUAL RESET DEVICE. NOTE THAT THIS DEVICE BOTH ALARMS IN THE BMS AND IS HARDWIRED TO THE VFDS FOR SHUTDOWN OF THE FANS IN ALL OPERATING CONDITIONS OF THE VFD.
4. PROVIDE BACNET COMMUNICATION CONNECTION TO THIS DEVICE MAPPING ALL REQUIRED POINTS INTO THE LNS DATABASE.
5. ALARM ONLY AFTER AN 8-HOUR CONSECUTIVE TIME PERIOD DURING WHICH THE RELATIVE HUMIDITY EXCEEDS ITS SETPOINT.



PROGRAM UNIT:



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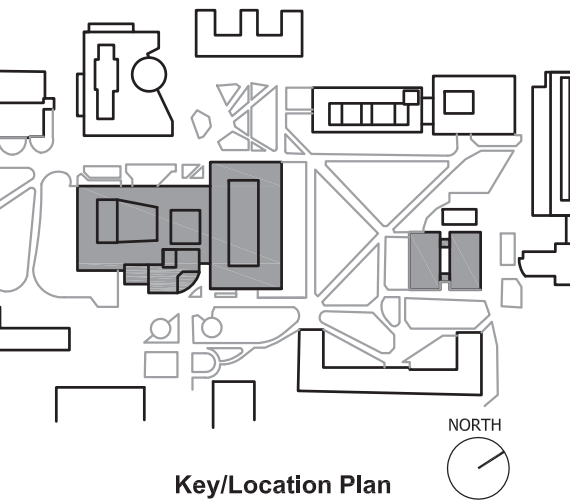
MDSZERBATY ASSOCIATES ARCHITECTURE
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SMILEY ARTS BUILDING,
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DORSKY MUSEUM AND
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County of: Project No.:
ULSTER 081047-00

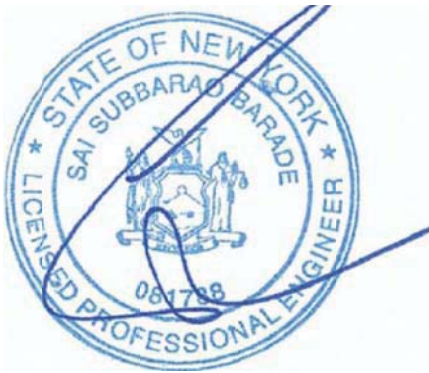


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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BUILDING

Project No.: 081047-00

Drawing Title:
HVAC - CONTROLS SHEET 3 OF 3

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Sheet 28 of 47



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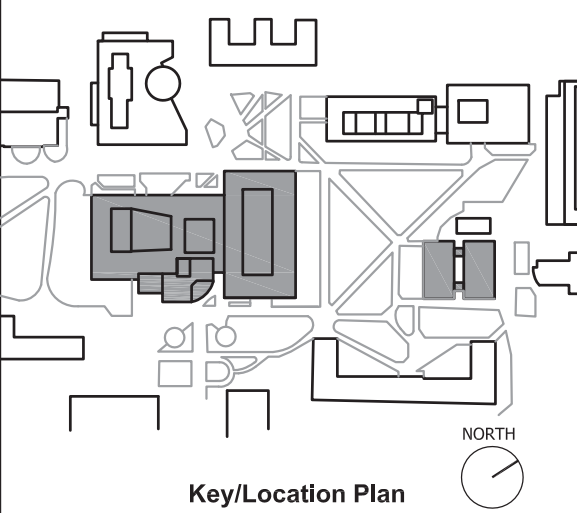
MDSzerbaty Associates Architecture LLC
307 Seventh Avenue New York NY 10001 P: 212 352 3307 F: 212 352 3306 mdsny.com

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County of: ULSTER **Project No.:** 081047-00



Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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BUILDING

Project No.: 081047-00

Drawing Title:
HVAC - DETAILS SHEET 1 OF 2

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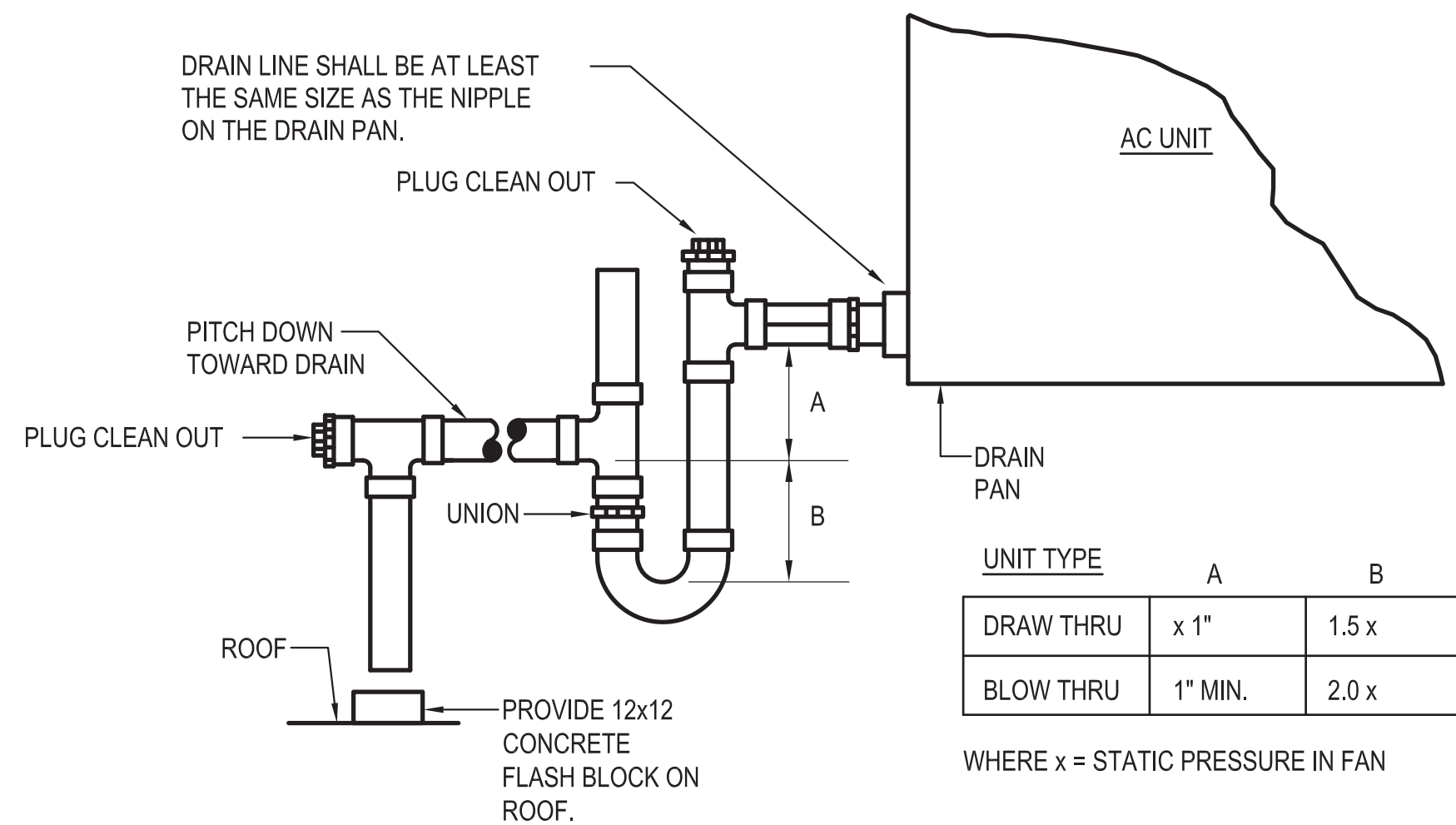
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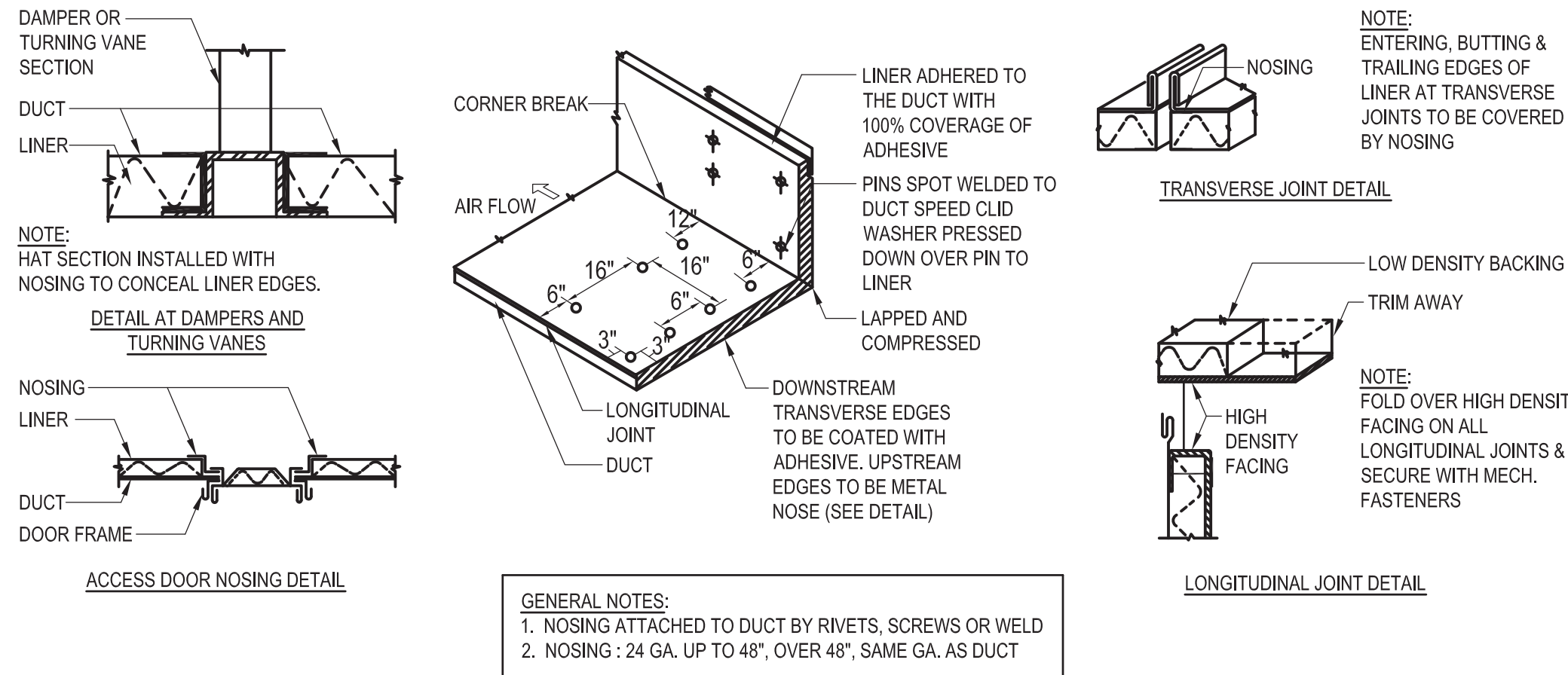
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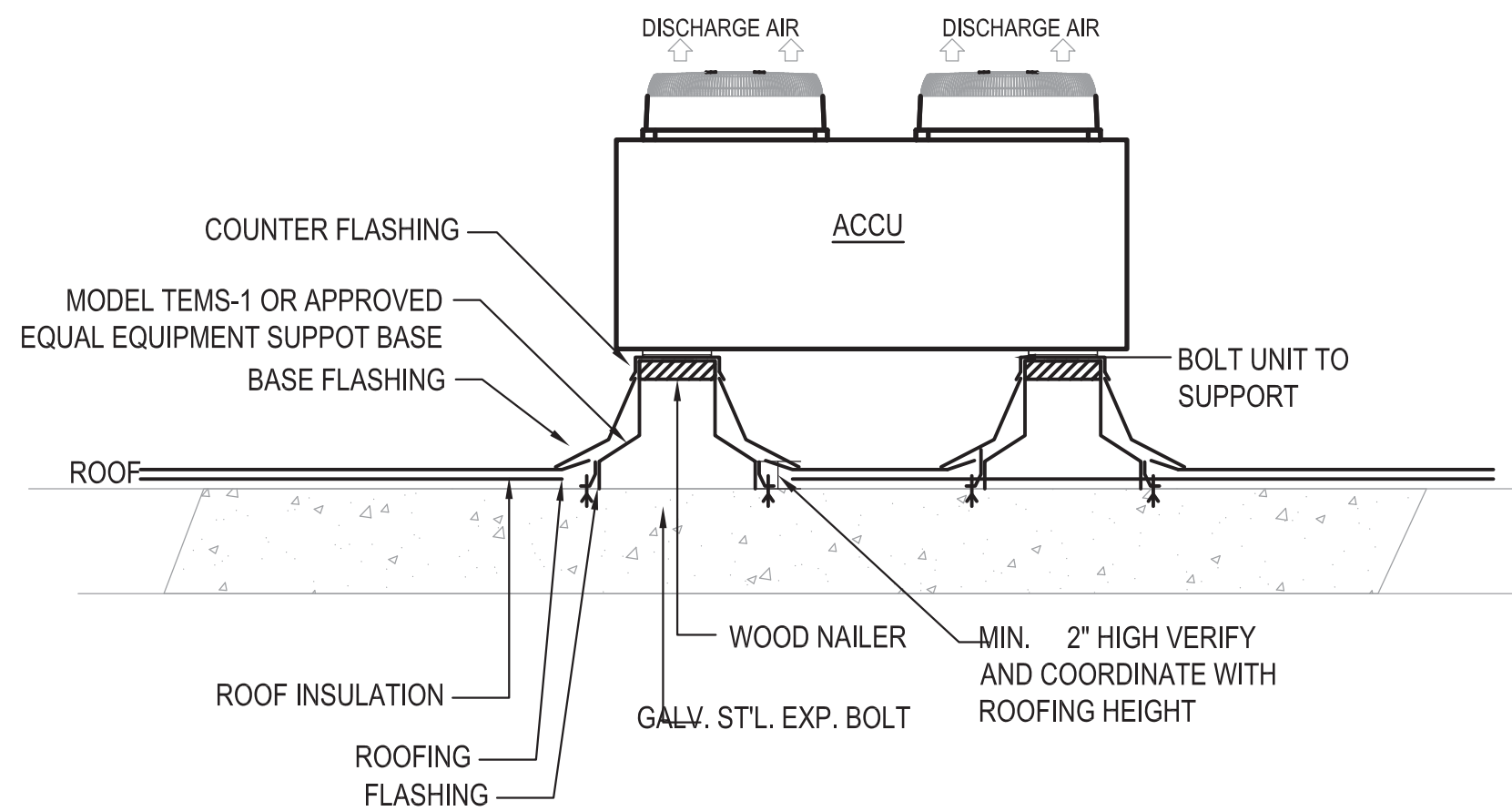
Sheet 29 of 47



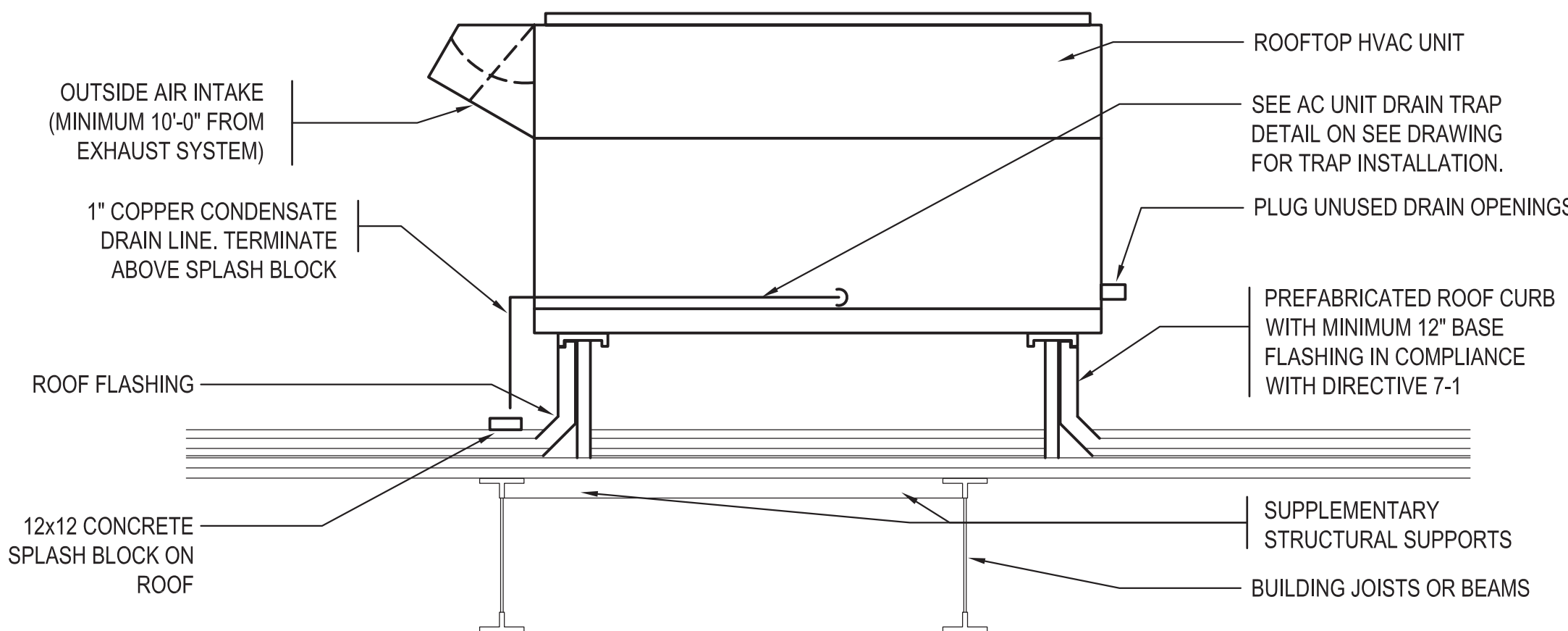
1 AC UNIT DRAIN TRAP DETAIL
SCALE: NONE



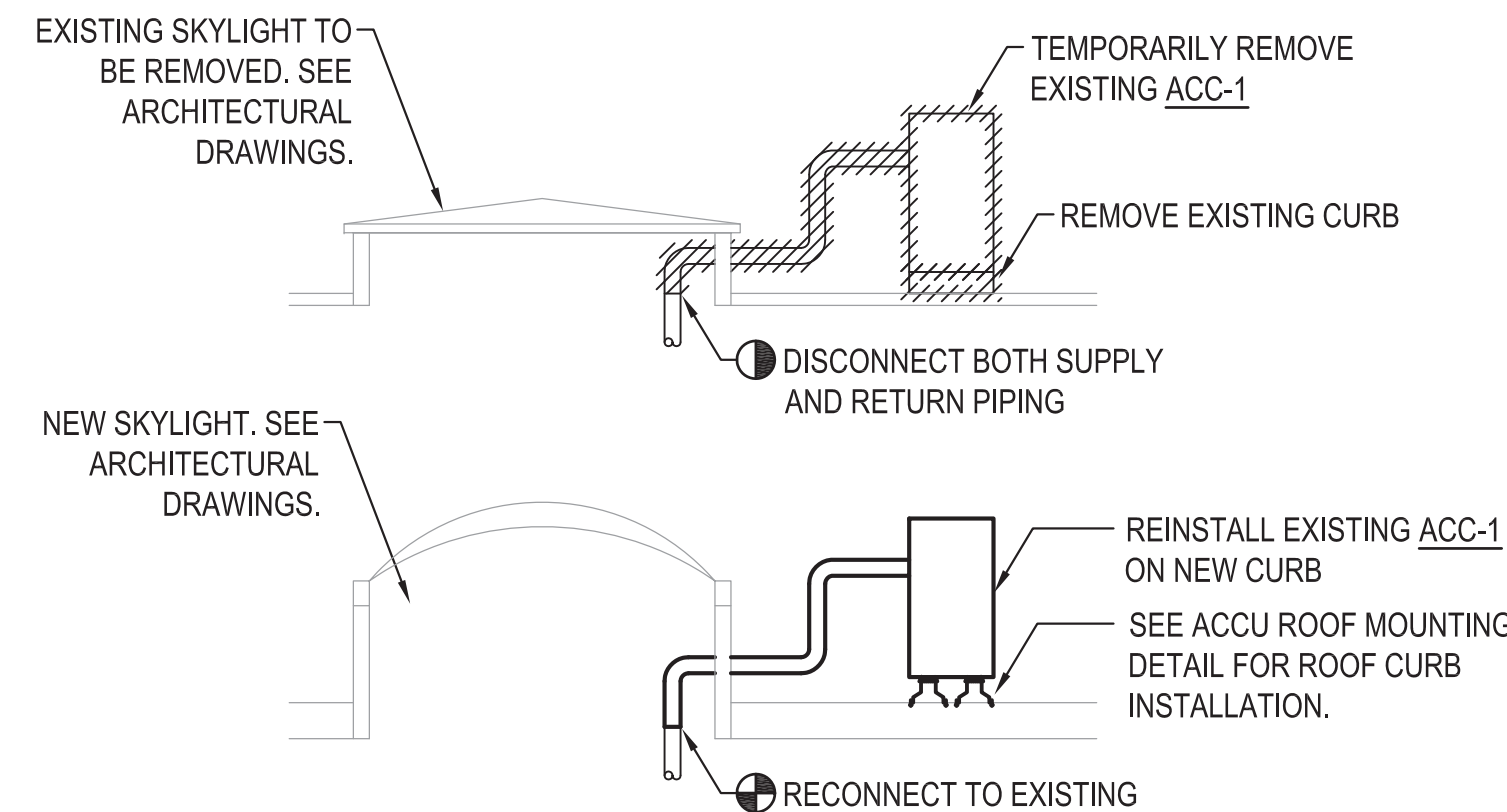
2 ACOUSTIC DUCT LINER DETAIL
SCALE: NONE



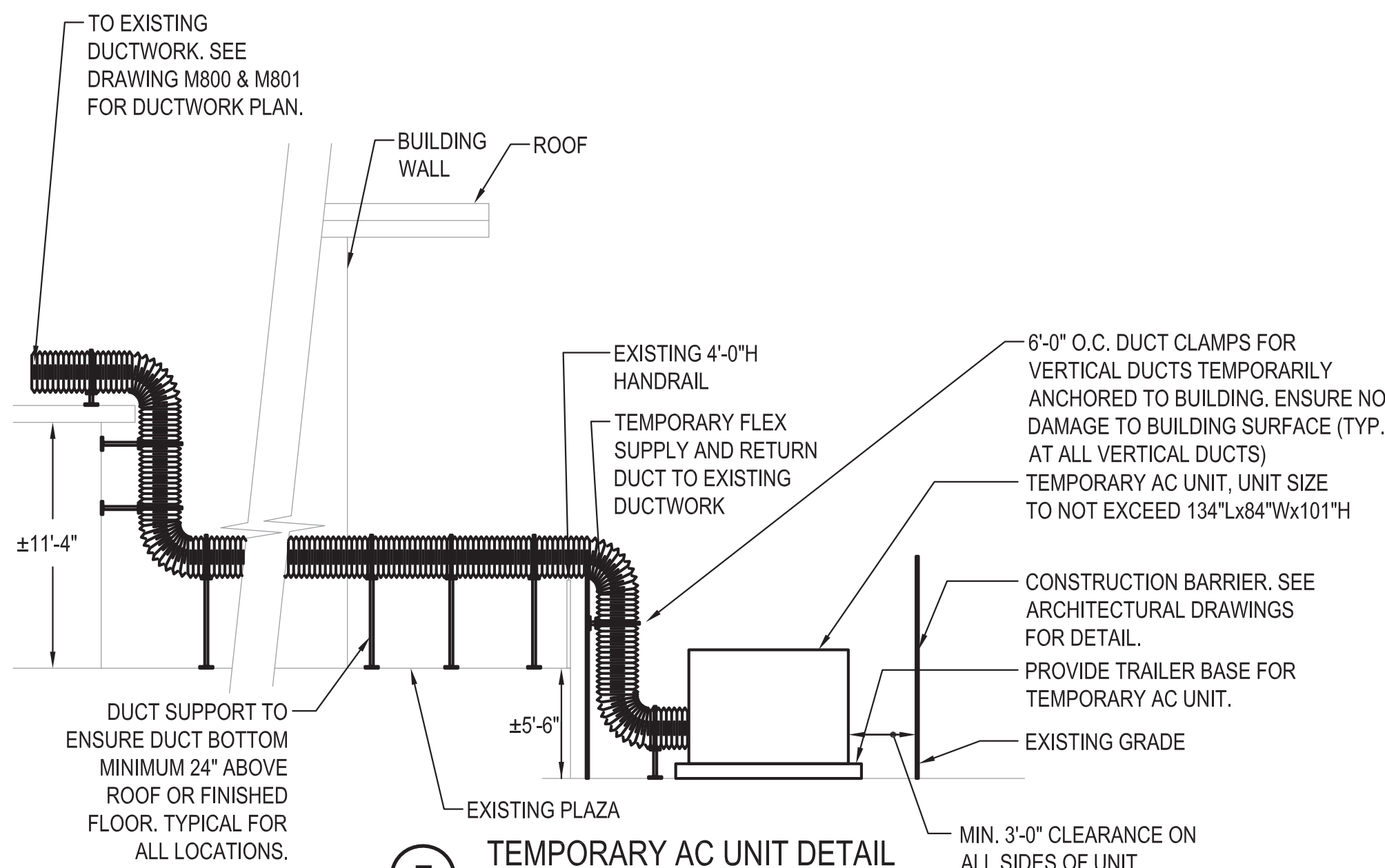
4 ACC/ACCU ROOF MOUNTING DETAIL
SCALE: NONE



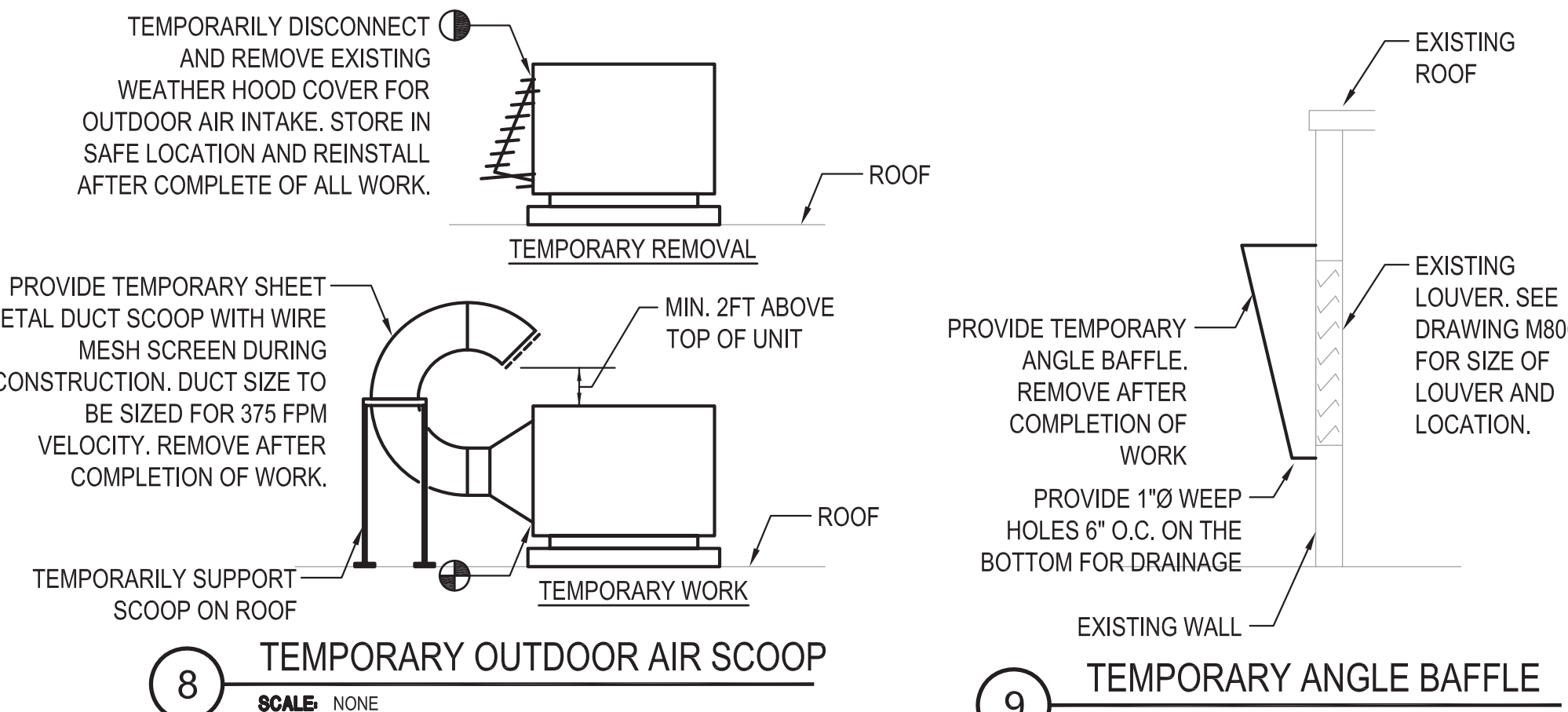
- NOTES:
- CONTRACTOR SHALL FURNISH AND INSTALL ALL ROOF CURBS.
 - CONTRACTOR SHALL PAY FOR ALL ROOF OPENINGS.
 - CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO PROVIDE ROOF OPENINGS.
 - CONTRACTOR SHALL FURNISH, INSTALL AND/OR PAY FOR ALL SUPPLEMENTARY STRUCTURAL SUPPORTS REQUIRED TO FURNISH AND INSTALLED ROOF MOUNTED EQUIPMENT.
 - ALL PREFABRICATED ROOF CURBS SHALL HAVE MINIMUM 12" BASE FLASHING IN COMPLIANCE WITH SUCF DIRECTIVE 7-1.
 - PROVIDE ROOF CURB EXTENDERS AND ADAPTERS AS REQUIRED TO COMPLY WITH SUCF DIRECTIVE 7-1 AND TO MATCH REPLACED ROOF CURBS.



6 ACC-1 DETAIL
SCALE: NONE

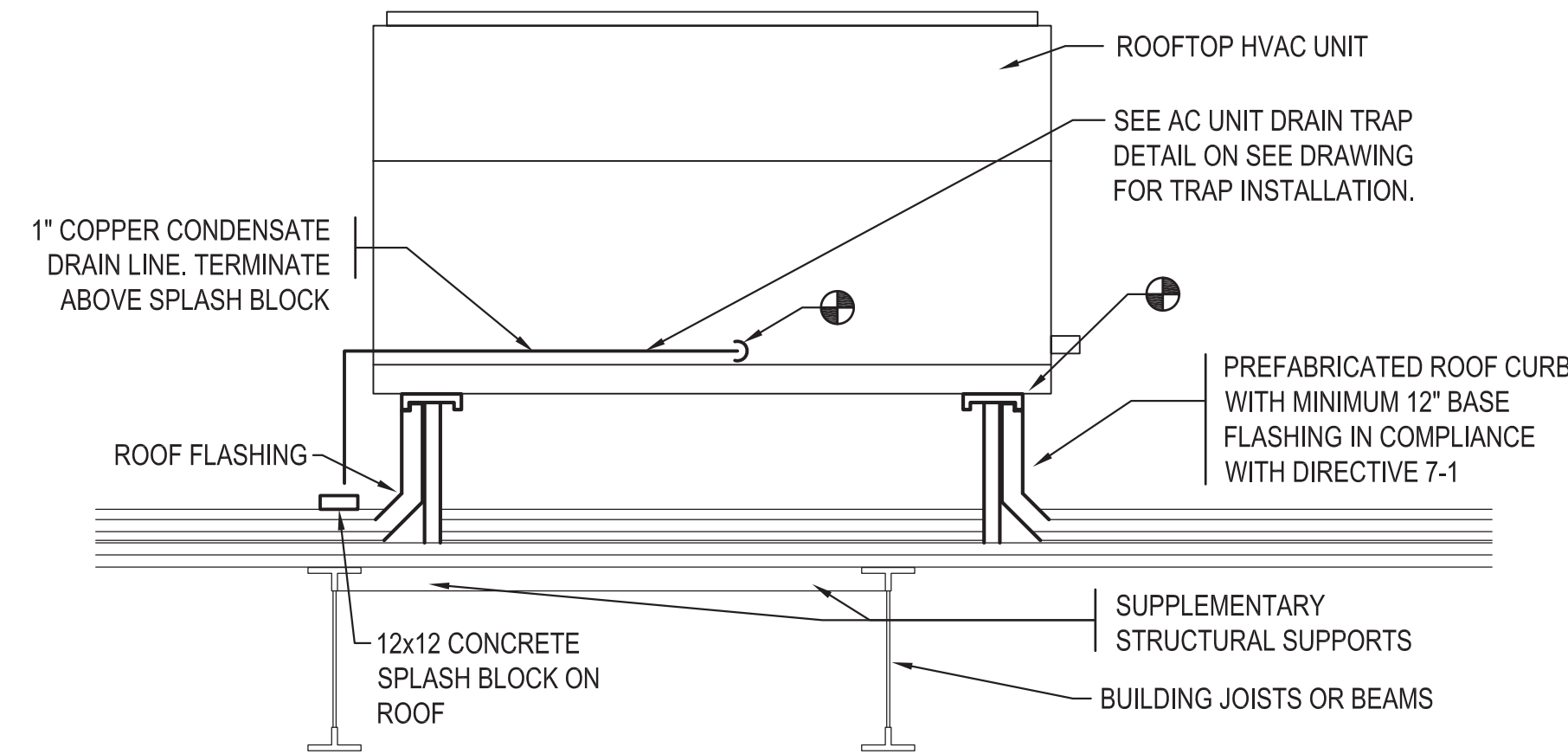


7 TEMPORARY AC UNIT DETAIL
SCALE: NONE



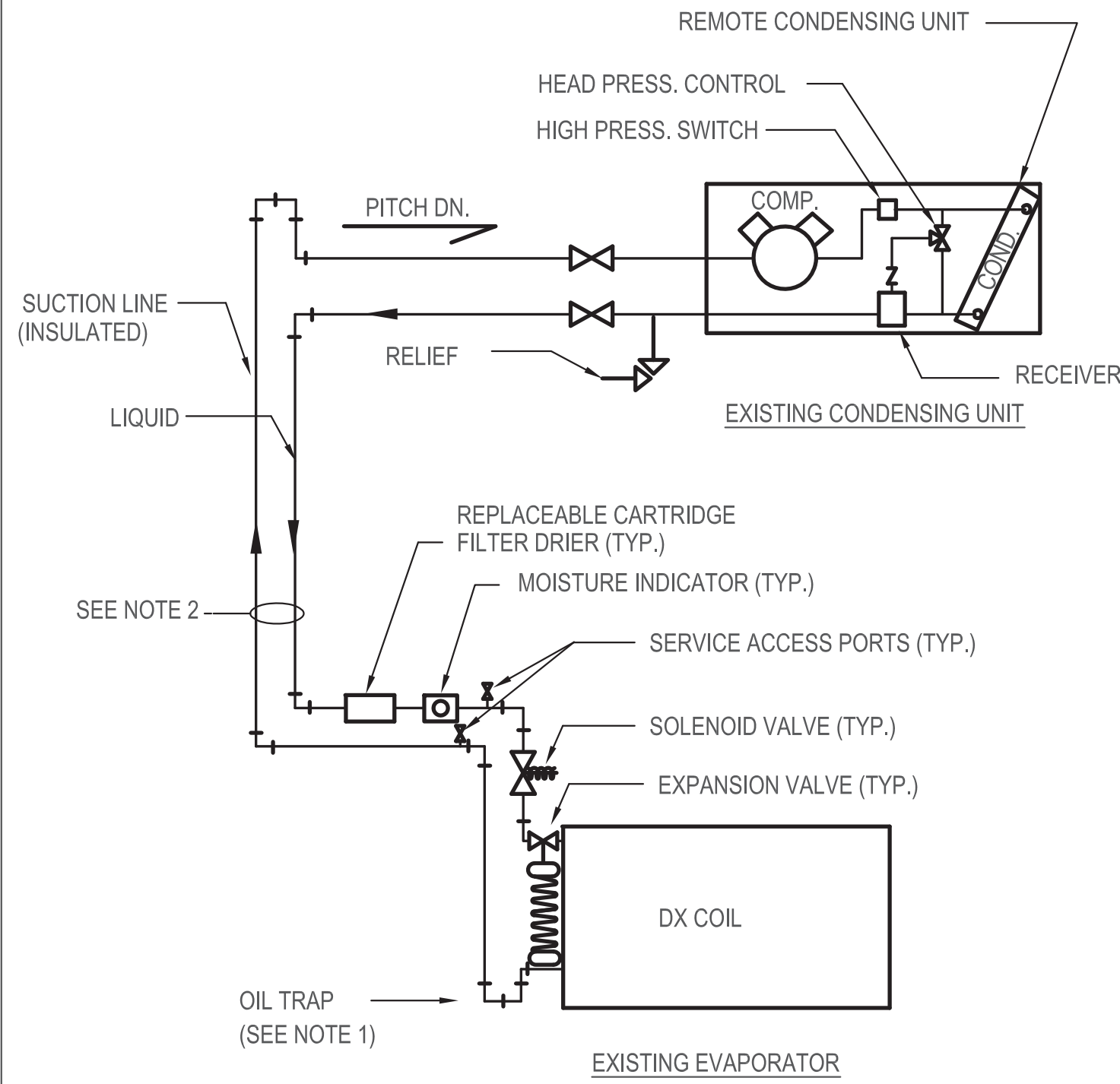
8 TEMPORARY OUTDOOR AIR SCOOP
SCALE: NONE

9 TEMPORARY ANGLE BAFFLE
SCALE: NONE



- NOTES:
- CONTRACTOR SHALL FURNISH AND INSTALL ALL ROOF CURBS.
 - ALL PREFABRICATED ROOF CURBS SHALL BE A MINIMUM OF 12" ABOVE FINISHED ROOF.

10 EXISTING ROOFTOP HVAC UNIT DETAIL
SCALE: NONE

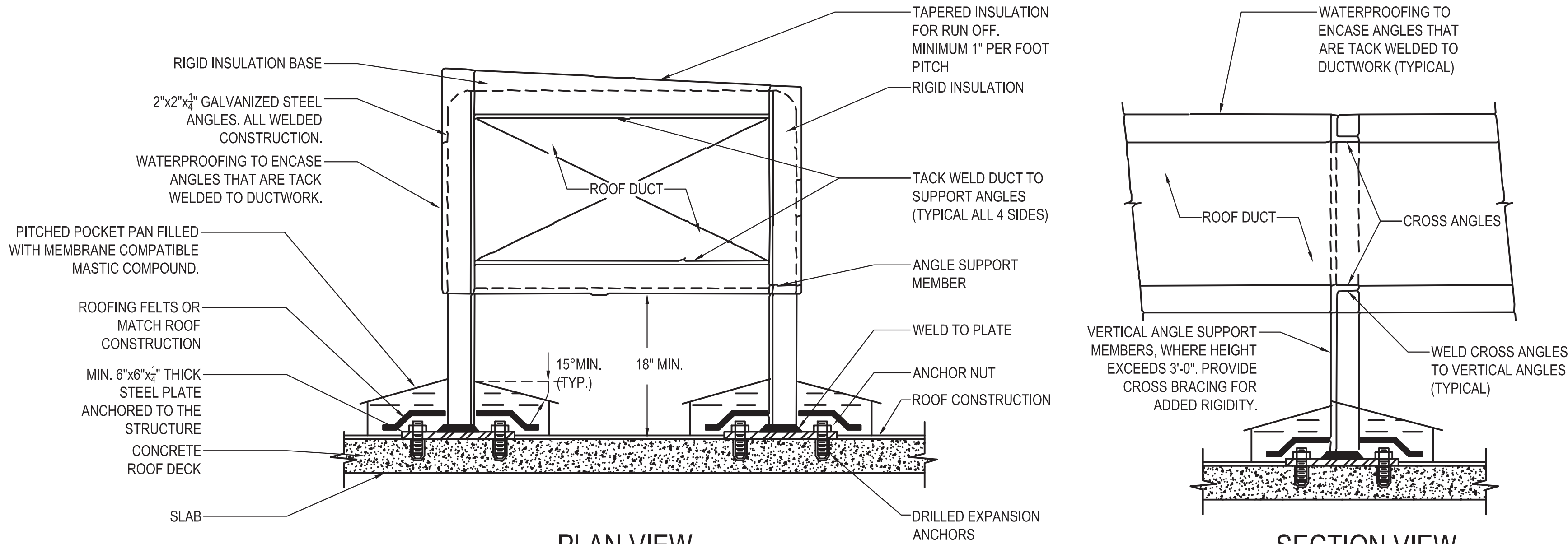


- NOTE:
1. THE HORIZONTAL DIMENSION OF OIL TRAPS TO BE AS SHORT AS POSSIBLE.
 2. CONSULT MANUFACTURER RECOMMENDATION FOR PIPE RISER SIZING.

11

REFRIGERANT PIPING SCHEMATIC

SCALE: N.T.S.



12

TYPICAL ROOF DUCT SUPPORT DETAIL

SCALE: NONE



PROGRAM UNIT:



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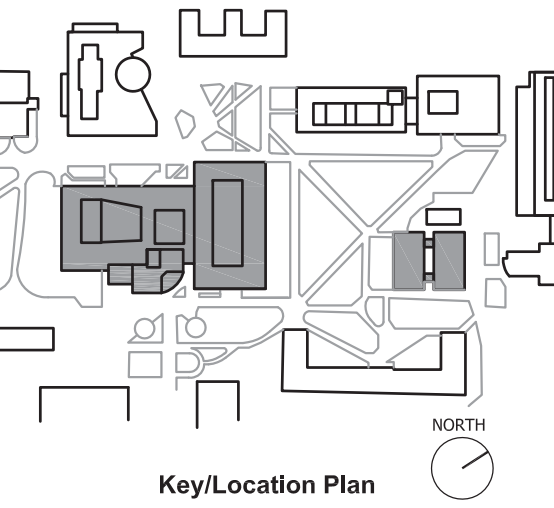
MDSZERBATY ASSOCIATES ARCHITECTURE
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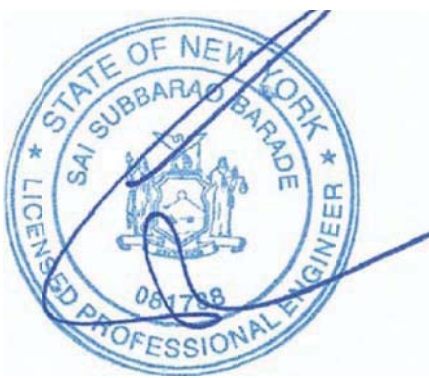


Contract Title:
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BUILDING

Project No.: 081047-00

Drawing Title:
HVAC - DETAILS SHEET 2 OF 2

Seal & Signature:



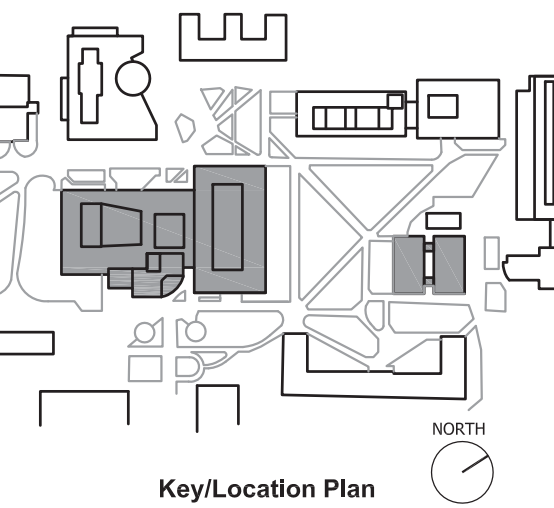
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Sheet 30 of 47



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County of:
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Project No.:
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Project No.: 081047-00

Drawing Title:
TEMPORARY CONSTRUCTION PLAN 1

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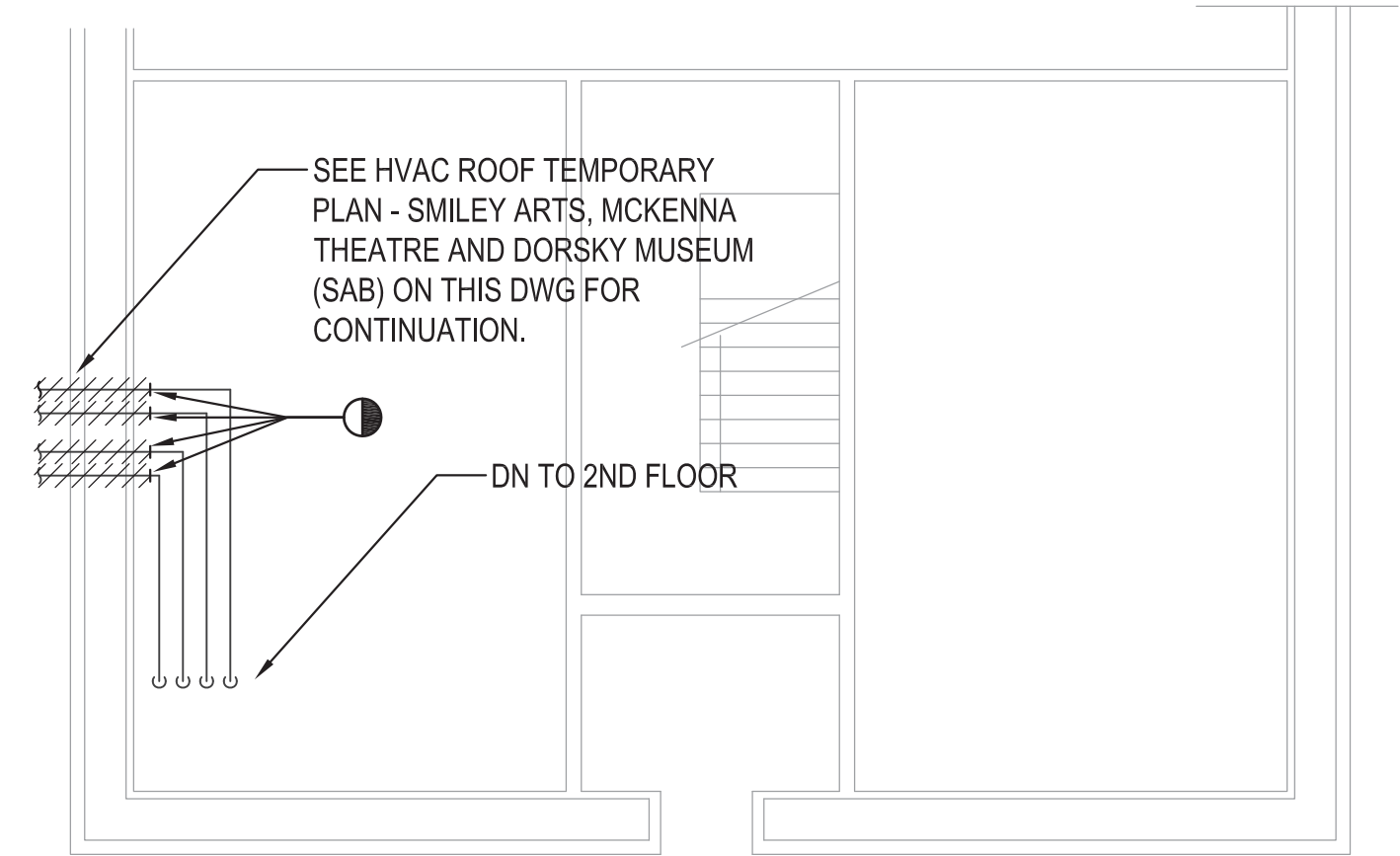
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Scale:	AS NOTED
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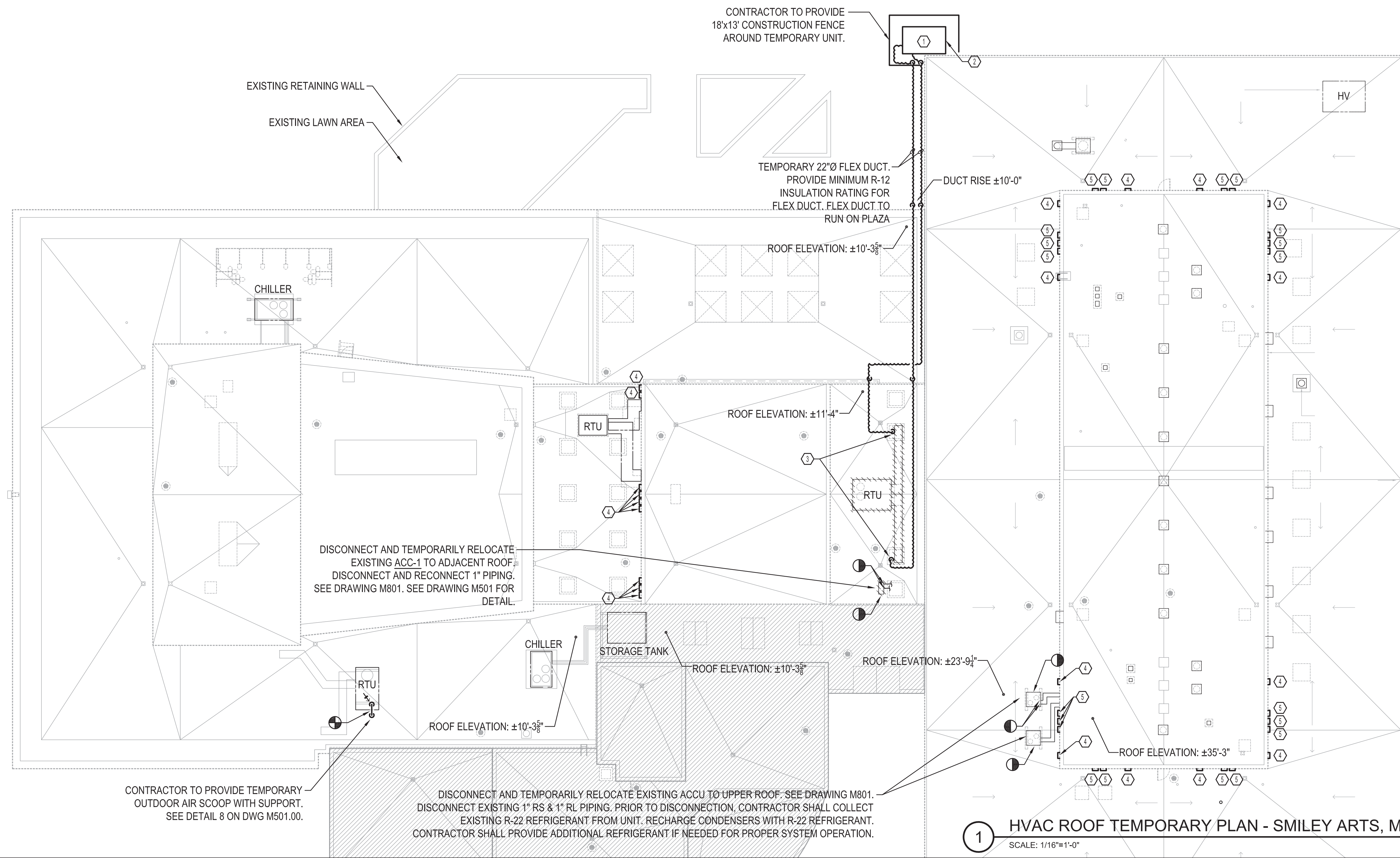
M800

31 of 47



2 HVAC PENTHOUSE TEMPORARY PART PLAN - SMILEY ART BUILDING
SCALE: 1/8"=1'-0"

3 HVAC 1ST FL TEMPORARY PART PLAN
SCALE: 1/16"=1'-0"



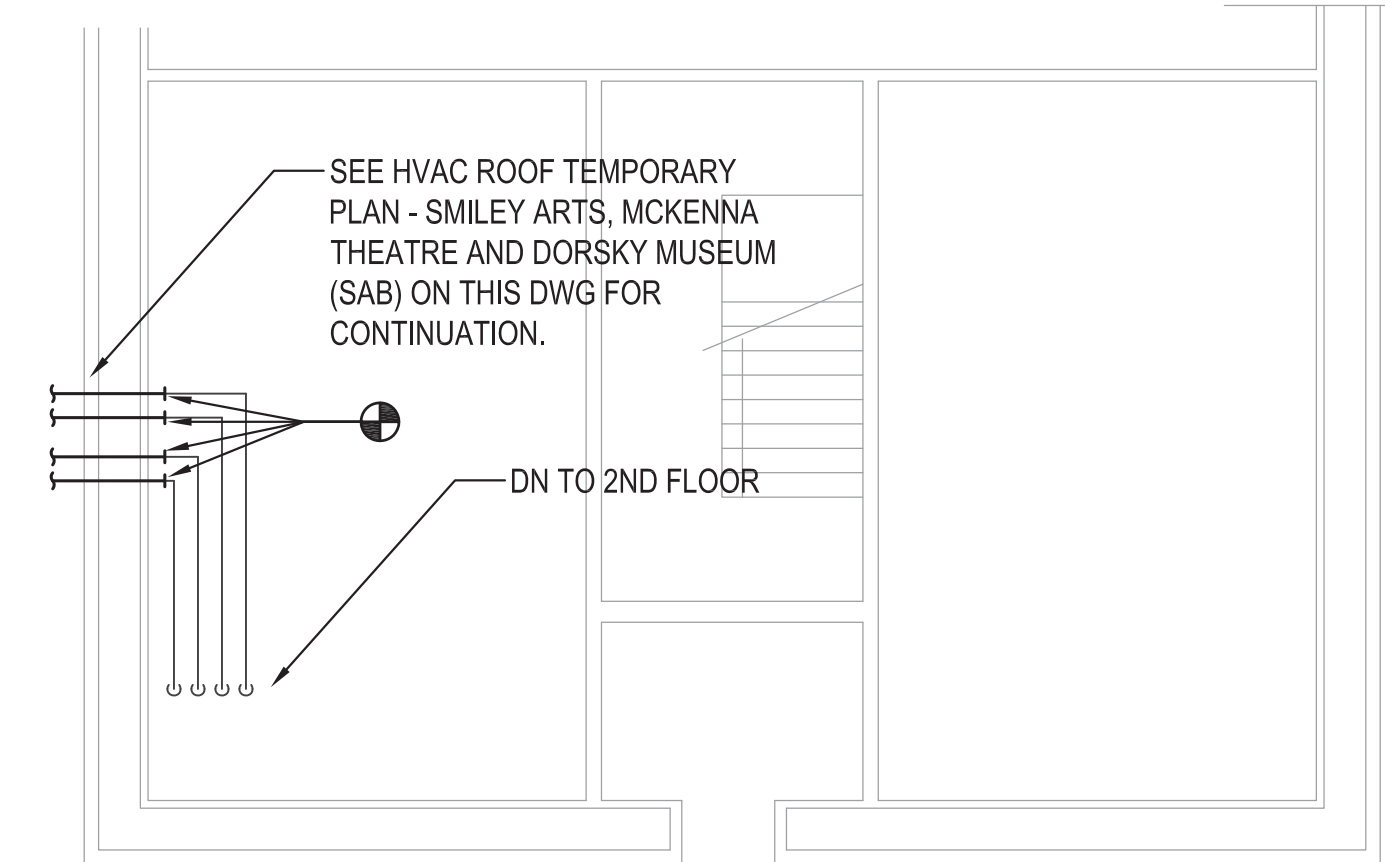
1 HVAC ROOF TEMPORARY PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)

GENERAL NOTES








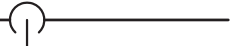


1. ANY EXISTING EQUIPMENT TO BE REMOVE AND REINSTALLED SHALL BE STORED IN A SAFE LOCATION. PROVIDE ANY REQUIRED PROTECTION TO ENSURE EQUIPMENT IS FREE FROM ANY DAMAGE SUCH AS MOSITURE,TEMPERATURE, ETC.
2. SEE OTHER DRAWINGS FOR OTHER WORK.
3. PROVIDE TEMPORARY AC UNIT CAPABLE OF PROVIDING THE REQUIRED CAPACITIES AS SHOWN WITH DUCT RUNS AS SHOWN.
4. TEMPORARY AC UNIT WITH ALL ACCESSORIES AND OPERATIONAL CLEARANCES SHALL NOT EXCEED THE DIMENSIONS SHOWN IN THE PLAN.
5. TEMPORARY AC UNIT SHALL NOT EXCEED 60 DB WITHIN 5 FT OF THE UNIT

TAG NOTES

- ① TEMPORARY AC UNIT.
7.5 TON DX COOLING
30KW ELECTRIC HEATER
3000 CFM, SIZE FAN TO ENSURE A SUM TOTAL OF 1.5"
STATIC PRESSURE AT THE POINT OF CONNECTION TO
THE EXISTING SUPPLY AND RETURN DUCTWORK.
150A/460V/3PH
MIN. AIR TEMPERATURE AT POINT OF CONNECTION
TO EXISTING DUCTWORK = 55°F DB IN SUMMER AND
90°F DB IN WINTER.
PROVIDE TEMPORARY FENCING AROUND UNIT W/
MINIMUM 3 FT OF CLEARANCE AROUND UNIT.
- ② TEMPORARY AC UNIT TO BE LOCATED IN FRONT OF
EXISTING EXTERIOR STAIR.
- ③ TEMPORARY FLEX DUCT TO BE CONNECTED TO
EXISTING DUCTWORK TO PROVIDE TEMPORARY
COOLING DURING CONSTRUCTION WORK OF RTU.
DISCONNECT FLEX DUCT AND REROUTE FLEX DUCT
AFTER COMPLETION OF WORK. SEE HVAC 1ST FLOOR
REMOVAL PART PLAN 2 ON THIS DRAWING FOR
CONTINUATION.
- ④ EXISTING 18x24 LOUVER TO BE PROVIDED WITH
TEMPORARY ANGLED BAFFLE. SEE DETAIL 9 ON
DRAWING M501.
- ⑤ EXISTING 18x60 LOUVER TO BE PROVIDED WITH
TEMPORARY ANGLED BAFFLE. SEE DETAIL 9 ON
DRAWING M501.



PLUMBING SYMBOLS & ABBREIVATIONS

SYMBOL	DESCRIPTION
	EXISTING PIPING
	REMOVED PIPING
	STORM PIPING
	CLEANOUT DECK PLATE
	DISCONNECT FROM EXISTING
	CONNECT TO EXISTING
	CLEAN OUT/PLUGGED OUTLET
	TOP PIPE CONNECTION
	PIPE DOWN/DROP
	PIPE RISE/UP
ABBREV.	ABBREVIATION
BLDG	BUILDING
CO	CLEANOUT
CODP	CLEANOUT DECK PLATE
DN	DOWN (PENETRATES FLOOR SLAB)
DWG	DRAWING
EL	ELEVATION
EX.	EXISTING
FL	FLOOR
FT	FEET
MAX	MAXIMUM
M.H.	MANHOLE
MIN	MINIMUM
NTS	NOT TO SCALE
PSI	POUNDS PER SQUARE INCH (GAUGE)
RD	ROOF DRAIN
ST	STORM PIPING
V.I.F.	VERIFY IN FIELD

PLUMBING GENERAL NOTES

- COORDINATE AND SCHEDULE ALL WORK TO MEET THE OVERALL DESIGN OBJECTIVE.
- ALL PLUMBING EQUIPMENT SHALL BE INSTALLED AND ADJUSTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION UNLESS OTHERWISE SHOWN.
- NOTES ON ANY CONTRACT DRAWING SHALL ALSO APPLY TO ALL OTHER CONTRACT DRAWINGS UNLESS OTHERWISE SPECIFIED.
- ALL BRACKETS, PLATES, CHANNELS, ETC. SHALL BE GALVANIZED UNLESS OTHERWISE SPECIFIED.
- ALL SANITARY AND STORM DRAIN PIPING AND VENT PIPES SHALL HAVE A MINIMUM SLOPE OF NOT LESS THAN 1/8" PER FOOT.
- CHANGES IN DIRECTION IN DRAINAGE PIPING SHALL BE MADE WITH APPROPRIATE USE OF 45 DEGREE WYES, LONG SWEEPS, QUARTER, SIXTH, EIGHTH, OR SIXTEENTH BENDS.
- PROVIDE CLEANOUTS ON DRAIN LINES AS SHOWN ON DRAWINGS AND AS REQUIRED BY 2020 NYS PLUMBING CODE SECTION 708.
- COORDINATE WORK SHOWN ON THESE DRAWINGS WITH OTHER DRAWINGS.
- PLUMBING CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR EXCAVATION, BACKFILLING, CUTTING, PATCHING AND OTHER CONSTRUCTION RELATED ITEM NOT SHOWN IN THIS DRAWINGS BUT REQUIRED TO COMPLETE THE WORK.

PLUMBING DEMOLITION NOTES

- THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF PLUMBING WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORSEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING PLUMBING WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL LAYOUTS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE REMOVED BACK TO ACTIVE LINES.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS NECESSARY.
- ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
- PORTIONS OF MAINS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
- ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE PLUMBING CONTRACTOR, AS DIRECTED BY THE OWNER.
- ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- THE SHUTDOWN OF EXISTING BUILDING PLUMBING SERVICES SHALL BE COORDINATED WITH THE FACILITY. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

PLUMBING BUILDING DEPT NOTES

ALL PLUMBING WORK SHALL MEET THE REQUIREMENTS OF THE 2020 NEW YORK STATE (NYS) UNIFORM FIRE PREVENTION AND BUILDING CODE AND 2020 NYS PLUMBING CODE.

- PROTECTION OF PIPING AS OUTLINED IN SECTION IPC 305 SHALL BE PROVIDED AS REQUIRED.
- ALL PIPING AND MATERIALS SHALL BE AS DIRECTED IN SECTIONS IPC 303 & IPC 702.
- PIPING JOINTS AND CONNECTIONS SHALL BE AS APPROVED IN SECTIONS IPC 605 & IPC 705.
- CONSTRUCTION AND SPACING OF HANGERS AND SUPPORTS SHALL BE AS DIRECTED IN SECTION IPC 308 AND IPC TABLE 308.5
- CLEANOUTS FOR SANITARY AND STORM DRAINAGE SHALL BE AS PER SECTION IPC 708.
- ALL PLUMBING WORK SHALL BE DONE BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER.

SCOPE OF WORK

THE FOLLOWING IS A BRIEF DESCRIPTION OF THE SCOPE OF WORK AND SHALL NOT BE CONSIDERED TO BE COMPLETE. THE ACTUAL SCOPE OF WORK FOR THE CONTRACT SHALL INCLUDE ALL PORTION OF THE CONTRACT DOCUMENTS AND ANY SUPPLEMENTAL INFORMATION PROVIDED BY THE STATE UNIVERSITY OF NEW YORK THROUGH ANY OTHER WRITTEN DOCUMENTATION.

THE WORK SHALL BE AS INDICATED IN ALL OF THE CONTRACT DOCUMENTS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING GENERAL ITEMS OF WORK.

PLUMBING

- CLEAN EXISTING (37) ROOF DRAIN BODY AND TAILPIECE IN SAB.
- REPLACE (37) EXISTING ROOF DRAIN DOMES AND CLAMPS WITH ZURN RD2150 FOR NEW ROOFING INSULATION IN SAB.
- REPLACE (4) EXISTING GUTTER DRAINS AND DOWNSPOUTS FOR FACULTY OFFICE BUILDING. CONNECT NEW DOWNSPOUT TO EXISTING STORM LEADER ON GRADE LEVEL.



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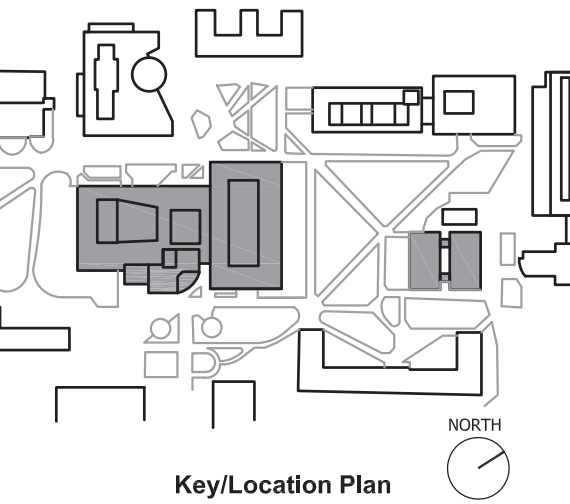
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County of: ULSTER
Project No.: 081047-00

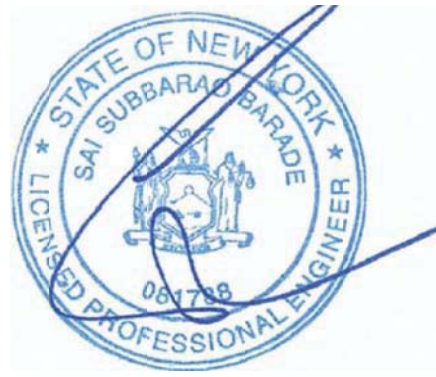


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
PLUMBING - GENERAL NOTES

Seal & Signature:



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Checked By: HON CHANG, P.E.

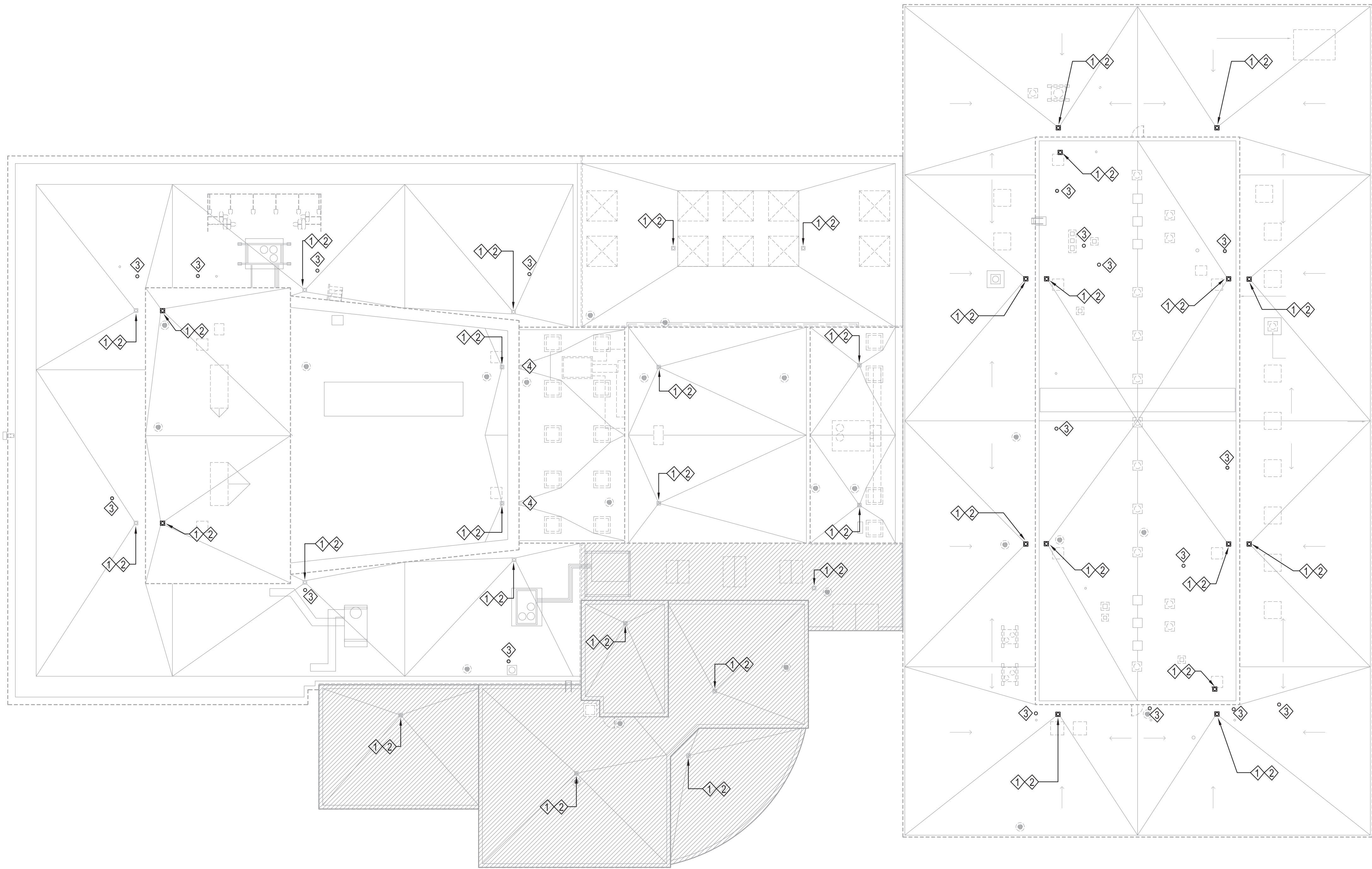
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Sheet 33 of 47



PLUMBING DEMO KEY NOTES

- 1 REMOVE EXISTING ROOF DRAIN DOMES AND CLAMPS; CLEAN EXISTING ROOF DRAIN BODY AND TAILPIECE.
- 2 EXISTING STORM LEADER SHALL BE REMAINED UNLESS OTHERWISE NOTED BY ENGINEERS OR ARCHITECT.
- 3 EXISTING VENT TO ROOF TO REMAIN AND UNDISTURBED.
- 4 EXISTING ROOF DRAIN TO REMAIN AND UNDISTURBED. CONTRACTOR TO COORDINATE NEW ROOF INSULATION AND PITCH SLOPE WITH EXISTING ROOF DRAIN.

1 SMILEY ARTS, COLLEGE THEATRE, DORSKY MUSEUM (SAB) ROOF DEMO PLAN
SCALE: 1/16"=1'-0"



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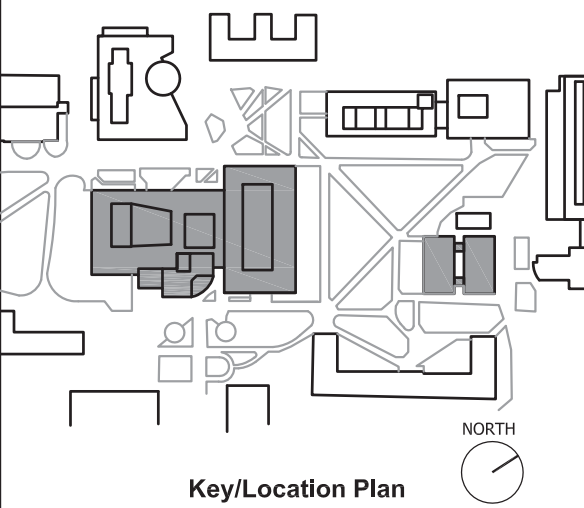
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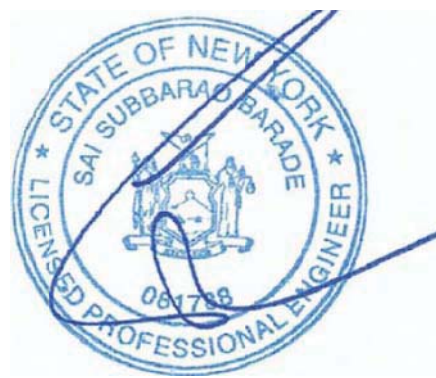


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
PLUMBING - SAB ROOF DEMOLITION
PLAN

Seal & Signature:



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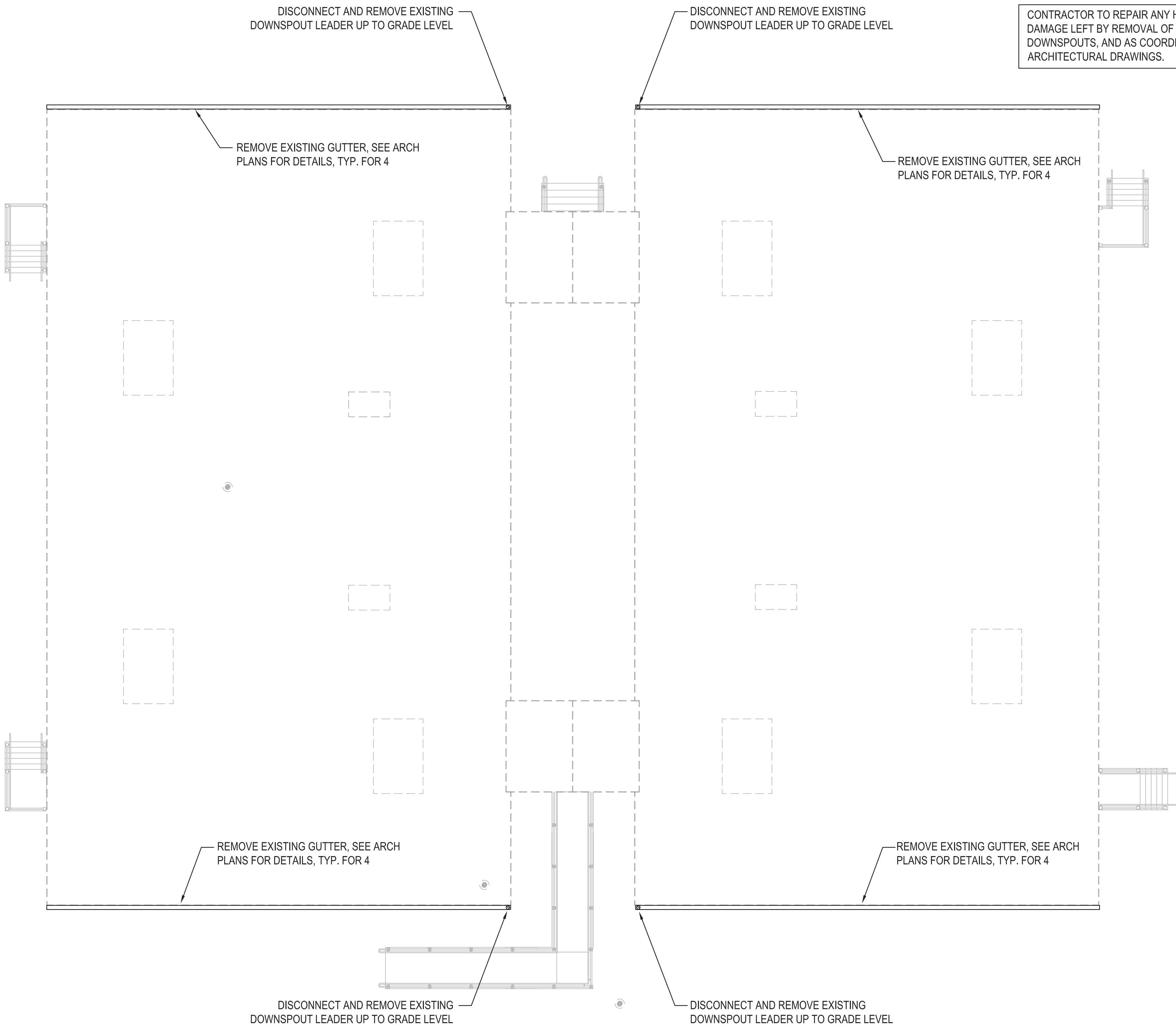
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Sheet 34 of 47



1 FACULTY OFFICE BUILDING (FOB) ROOF DEMO PLAN
SCALE: 1/8"=1'-0"



PROGRAM UNIT:

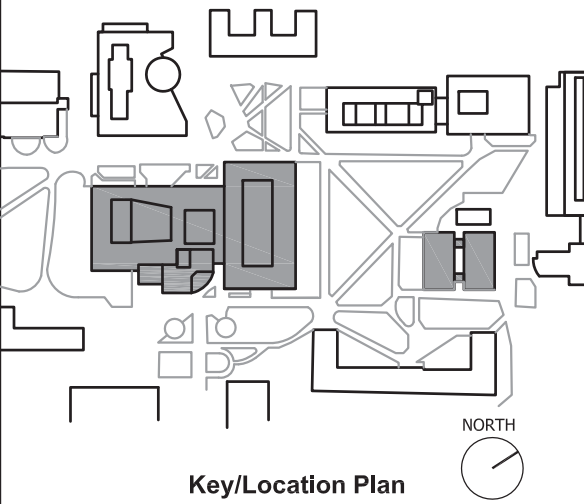


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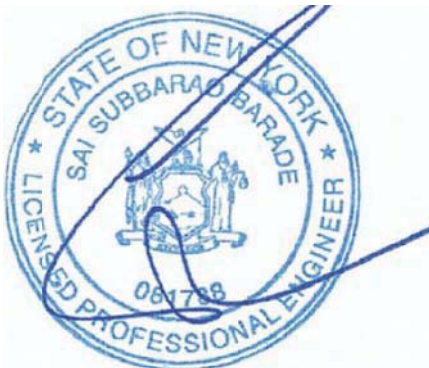


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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BUILDING

Project No.: 081047-00

Drawing Title:
PLUMBING - FOB ROOF DEMOLITION
PLAN

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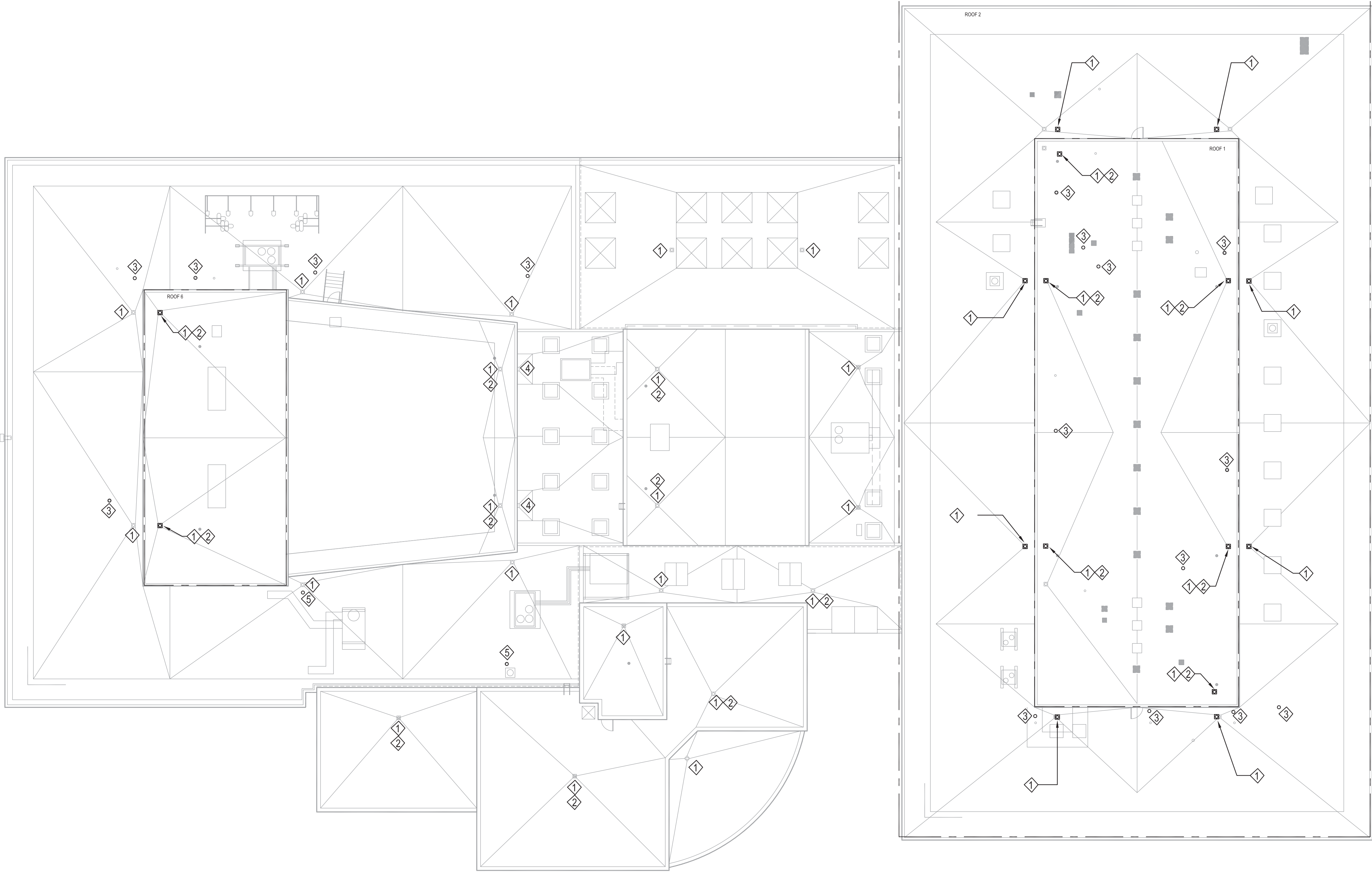
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Sheet 35 of 47



PLUMBING KEY NOTES

- 1 INSTALL AND FURNISH ZURN RD2150 NEW ROOF DRAIN DOME AND CLAMP ON EXISTING ROOF DRAIN BODY. SEE ARCH 1/A-420 FOR INSTALLATION DETAILS.
- 2 PROVIDE FALL PROTECTION AS PER NYS MC 304.11, REFER TO ARCH DWG FOR MORE DETAILS.
- 3 EXTEND EXISTING VENT TO MINIMUM OF 18" FROM NEW FINISHED ROOF.
- 4 EXISTING ROOF DRAIN TO REMAIN.
- 5 EXTEND EXISTING PLUMBING VENT ON ROOF TO MINIMUM OF 3 FT ABOVE TOP OF MECHANICAL AIR INTAKE. CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD.

1 SMILEY ARTS, COLLEGE THEATRE, DORSKY MUSEUM (SAB) ROOF PLAN
SCALE: 1/16"=1'-0"



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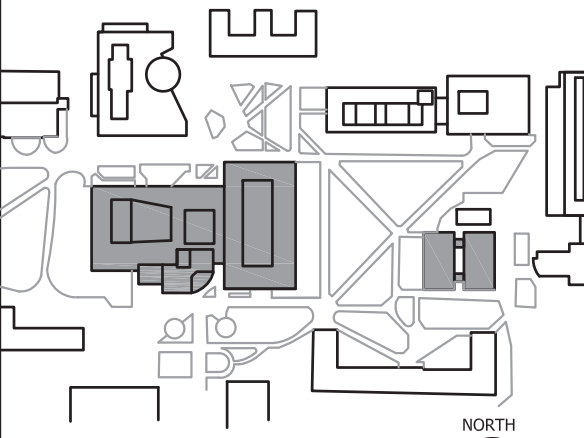
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DORSKY MUSEUM AND
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County of:

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Project No.:

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Key/Location Plan

Contract Title:

ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

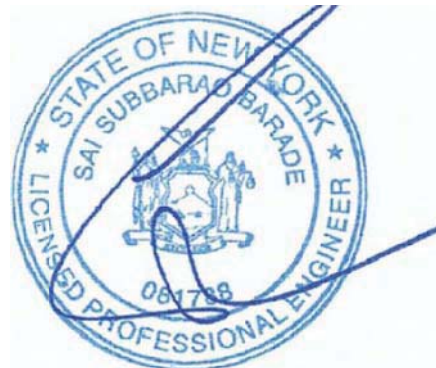
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Drawing Title:

PLUMBING - SAB ROOF CONSTRUCTION
PLAN

Seal & Signature:



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XUEZHI FENG

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HON CHANG, P.E.

Date:

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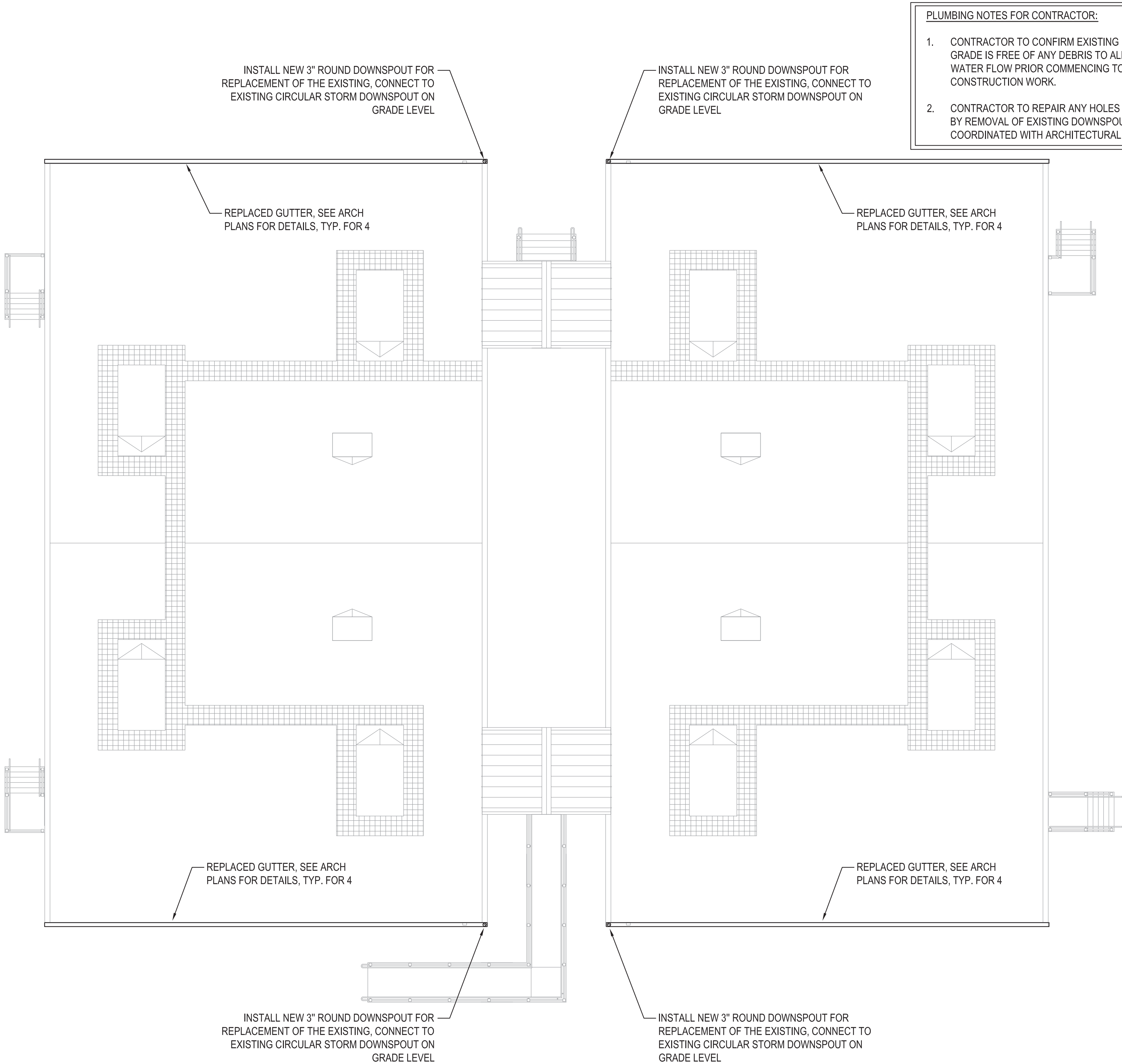
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Sheet

36 of 47



- PLUMBING NOTES FOR CONTRACTOR:
1. CONTRACTOR TO CONFIRM EXISTING DOWNSPOUT AT GRADE IS FREE OF ANY DEBRIS TO ALLOW PROPER WATER FLOW PRIOR COMMENCING TO ANY CONSTRUCTION WORK.
 2. CONTRACTOR TO REPAIR ANY HOLES AND DAMAGE LEFT BY REMOVAL OF EXISTING DOWNSPOUTS, AND AS COORDINATED WITH ARCHITECTURAL DRAWINGS.

1 FACULTY OFFICE BUILDING (FOB) ROOF PLAN

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



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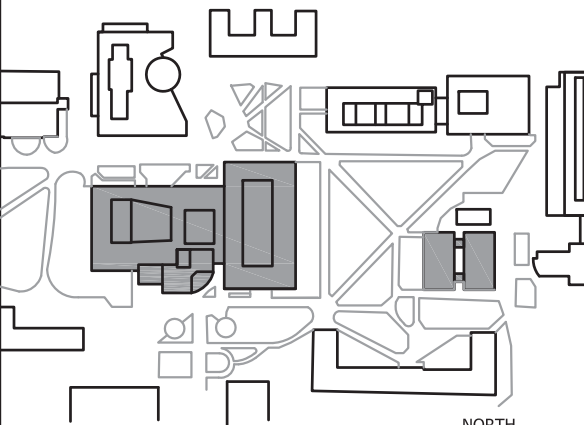
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Key/Location Plan

Contract Title:

ROOF REPLACEMENT - SMILEY ARTS,
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BUILDING

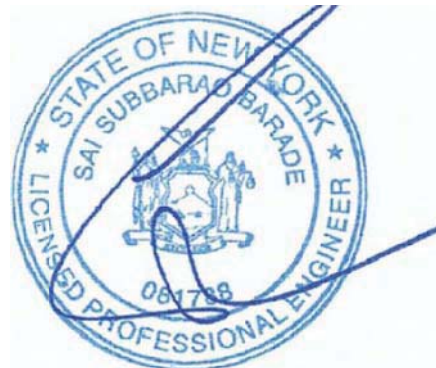
Project No.:

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Drawing Title:

PLUMBING - FOB ROOF CONSTRUCTION
PLAN

Seal & Signature:



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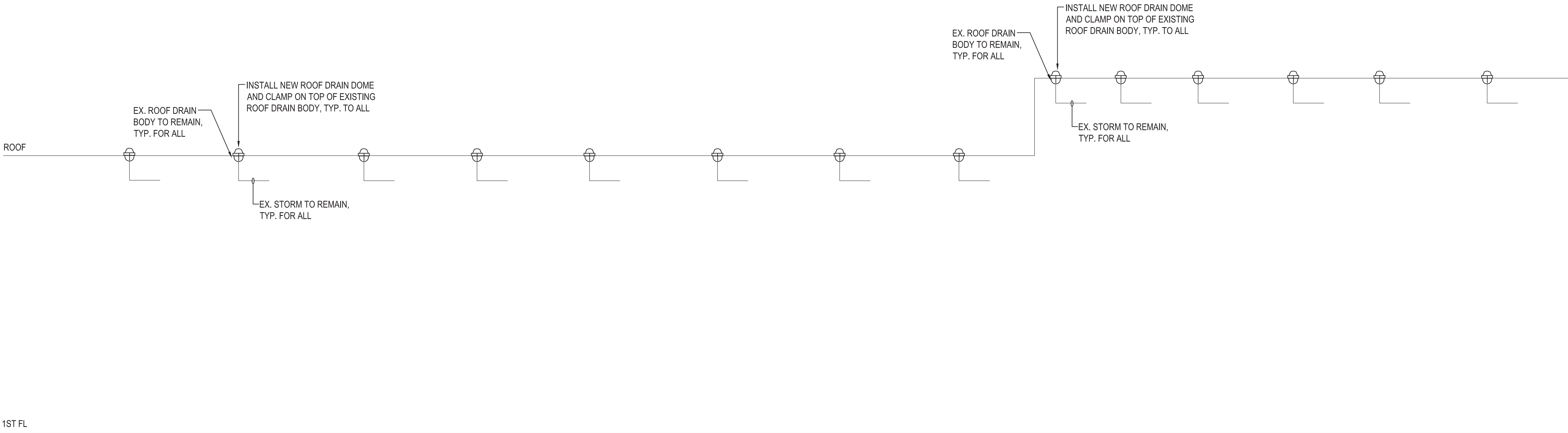
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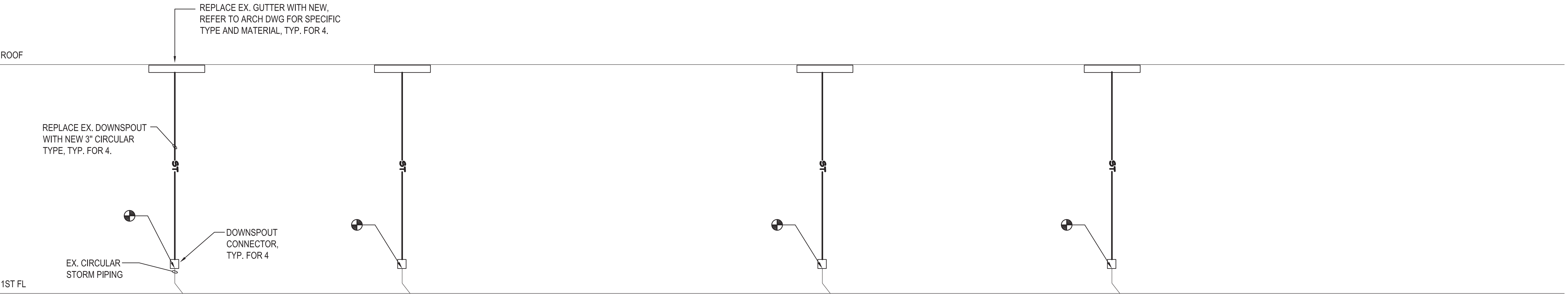
P104.00

Sheet

37 of 47



1 SMILEY ART BUILDING ROOF STORM RISER DIAGRAM
SCALE: NONE



2 FOB STORM RISER DIAGRAM
SCALE: NONE



PROGRAM UNIT:

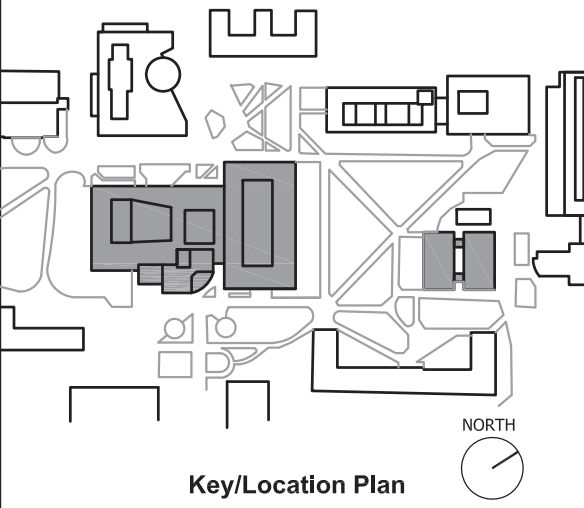


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Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
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BUILDING

Project No.: 081047-00

Drawing Title:
PLUMBING - RISER DIAGRAM II

Seal & Signature:



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Date: JANUARY 8, 2021
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P302.00

Sheet 39 of 47

LIGHTING AND POWER SYMBOLS

SYMBOL	DESCRIPTION
	HOME RUN-NOTATION INDICATES PANEL AND CIRCUIT NUMBER , No. OF ARROWS DENOTES No. OF CIRCUITS. 2#12+1#12G-3/4"C. IS MINIMUM FEEDER TO BE PROVIDED. U.O.N. PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT AND PROVIDE GROUND WIRE IN EACH HOME RUN. (1,3) DENOTES 2 POLE CIRCUIT, (1, 3, 5) DENOTES 3 POLE CIRCUIT
	CONTINUATION OR WIRING & CONDUIT RUN CONCEALED IN CEILING, WALL OR FLOOR
	RISER CONDUIT UP, WITH WIRING.
	RISER CONDUIT DOWN, WITH WIRING.
	CEILING MOUNTED JUNCTION/SPLICE BOX, SIZE AS REQUIRED. SUBSCRIPT 'F' INDICATES FLOOR MOUNTED.
	GROUND
	LIGHTING AND POWER PANELBOARD, FLUSH MOUNTED IN WALL WITH COVER INDICATED.
	LIGHTING AND POWER PANELBOARD, SURFACE MOUNTED ON WALL.
	CIRCUIT BREAKER.
	SINGLE POLE TOGGLE SWITCH. SUBSCRIPT DENOTES FIXTURES CONTROLLED. 'K' INDICATES KEY OPERATED. '3' INDICATES THREE-WAY SWITCH.
	WALL MOUNTED DUPLEX THREE WIRE GROUNDED RECEPTACLE, 20A, 125V, MOUNTED 18" AFF SUBSCRIPT 'GFI' INDICATES WITH GROUND FAULT PROTECTION SUBSCRIPT 'WP' INDICATES WEATHER PROOF. S - DENOTES WITH SURGE SUPPRESSION. K - INDICATES SAFETY TYPE, NUMERAL INDICATES CIRCUIT NUMBER. GFI - GROUND FAULT INTERRUPTER TYPE
	SYMBOLS SHOWN WITH DARK SOLID LINES - INDICATES NEW WORK IN CONTRACT
	SYMBOLS SHOWN WITH LIGHT SOLID LINES - INDICATES EXISTING TO REMAIN
	SYMBOLS SHOWN WITH DASHED LINES - INDICATES TO BE REMOVED
	EXISTING PANELBOARD
	MOTOR. HORSEPOWER INSCRIBED.
	FUSED SWITCH, RATING AND FUSING INDICATED.
	UNFUSED SWITCH.
	MOTOR STARTER TOGGLE SWITCH WITH THERMAL OVERLOAD
	PULL BOX
	UNFUSED DISCONNECT SWITCH, 30A/3P, U.O.N.
	RTU UNIT OR FAN AS INDICATED
	REINSTALL EXISTING LIGHTING FIXTURE
	NEW LIGHTING FIXTURE

DEMOLITION SYMBOLS

EACH DEMOLITION SYMBOL DENOTES DEMO OF DEVICE. U.O.N, EXISTING HOMERUN POWER WIRING AND CONDUIT SHALL REMAIN UPTO NEAREST POINT INSIDE THE BUILDING BELOW ROOF.

SYMBOL	DESCRIPTION
	EXISTING UNIT TO BE REMOVED, OR REMOVED AND RELOCATED AS NOTED
	DISCONNECT, REMOVE AND STORE EXISTING LIGHTING FIXTURE AND ASSOCIATED SUPPORTS FOR REINSTALLATION

ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A, AMPS	AMPERE	FACP	FIRE ALARM CONTROL PANEL
AC	ALTERNATING CURRENT	FL	FLOOR
AIC	AMPERES INTERRUPTING CAPACITY	G	GUARD
AFF	ABOVE FINISHED FLOOR	G, GND	GROUND
ARCH	ARCHITECTURAL	GFI	GROUND FAULT INTERRUPTER
A/C	AIR CONDITIONING	IG	ISOLATED GROUND
B.O.E.	BOARD OF EDUCATION	JB	JUNCTION BOX
C	CONDUIT	KVA	KILOVOLT AMPERE
CAB	CABINET	KW	KILOWATT
CB	CIRCUIT BREAKER	KWH	KILOWATT HOUR
CKT(S)	CIRCUIT(S)	LTG	LIGHTING
CLG	CEILING	MDB	MAIN DISTRIBUTION BOARD
CONST.	CONSTRUCTION	MCB	MAIN CIRCUIT BREAKER
COL	COLUMN	MIN	MINIMUM
CORR	CORRIDOR	MLO	MAIN LUGS ONLY
CP	CONTROL PANEL	MTD	MOUNTED
DB	DISTRIBUTION BOARD	N	NEUTRAL
DISC	DISCONNECT	P	POLE(S)
DIST	DISTRIBUTION	PB	PULL BOX
DP	DISTRIBUTION PANEL	PNL	PANEL
D.R.	DUPLEX RECEPTACLE	RGS	RIGID GALVANIZED STEEL CONDUIT
DWG	DRAWING	RM	ROOM
EC	EMPTY CONDUIT	SP	SPARE
ECL	ELECTRICAL CLOSET	STD	STANDARD
ELEC	ELECTRIC	SW	SWITCH
EMT	ELECTRIC METALLIC TUBING	SWBD	SWITCHBOARD
E.O.	ELECTRICAL CONNECTION	TEL	TELEPHONE
EXIST	EXISTING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
		TV	TELEVISION
		TYP	TYPICAL
		UON	UNLESS OTHERWISE NOTED
		V	VOLT
		VAV	VARIABLE AIR VOLUME
		W	WATT
		WP	WEATHERPROOF
		RTU	ROOF TOP UNIT
		SH	SMOKE HATCH

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE, THE NFPA, THE 2018 INTERNATIONAL BUILDING CODE, AND ALL GOVERNING LOCAL CODES, LAWS, AND REGULATIONS.
- THE CONTRACTOR SHALL, IN A WORKMANLIKE MANNER, PROVIDE A COMPLETE OPERABLE SYSTEM. OUTLINE DESCRIPTION AND EQUIPMENT DO NOT LIMIT CONTRACTOR LIABILITY FOR THE INSTALLATION OF A COMPLETE OPERABLE SYSTEM.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS THAT MAY AFFECT HIS WORK AND SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR HIS FAILURE TO DO SO.
- CONTRACTOR SHALL BEAR THE COST OF ALL ELECTRICAL PERMITS INSPECTIONS.
- MINIMUM SIZE OF CONDUITS FOR BOTH LIGHTING AND POWER CIRCUITS SHALL BE 3/4"C, U.O.N.
- UNLESS OTHERWISE NOTED, ALL WIRES SHALL BE OF TYPE THHN/THWN AND MINIMUM SIZE FOR LIGHTING AND POWER CIRCUITS SHALL BE #12 AWG.
- FOR ALL BRANCH CIRCUIT RATED AT 120V, 15A OR 20A THAT RUNS OVER 100'-0", No. 10 WIRE SIZE SHALL BE USED TO COMPENSATE FOR VOLTAGE DROP.
- UNLESS OTHERWISE NOTED, PULL AND JUNCTION BOXES WHERE INDICATED ON DRAWINGS, SHALL BE CONSIDERED SHOWN AT THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL LOCATE THEM AS FIELD CONDITIONS DICTATE. ADDITIONAL PULL AND JUNCTION BOXES NOT SHOWN ON DRAWINGS SHALL BE PROVIDED WHERE REQUIRED BY APPLICABLE CODE PROVISIONS OR FIELD CONDITIONS. PULL AND JUNCTION BOXES SHALL BE SURFACE TYPE IN UNFINISHED AREAS AND FLUSH TYPE IN FINISHED AREAS.
- NO CONDUIT SHALL BE RUN IN ANY FLOOR IN CONTACT WITH THE EARTH UNLESS OTHERWISE DIRECTED ON THE PLAN. ALL EXTERIOR AND UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL.
- ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SMOKE/FIRE STOPPED.
- THIS CONTRACTOR SHALL PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS ON NORMAL AND EMERGENCY CIRCUITS.
- ALL WIRING AND CONDUIT LAYOUT ON DRAWINGS ARE SHOWN DIAGRAMMATIC. LOCATION OF EQUIPMENT AND RUNS MAY VARY DUE TO PHYSICAL CONDITIONS AT NO ADDITIONAL COST TO OWNER.
- ALL EXPOSED NONCURRENT-CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT AND RACEWAYS SHALL BE GROUNDED. THE CONTRACTOR SHALL ENSURE CONTINUITY OF THE GROUNDING CIRCUIT FROM THE SUPPLYING PANELBOARD GROUNDING BUS TO THE LOAD GROUND TERMINAL. THE RESISTANCE FROM THE SERVICE EQUIPMENT GROUNDBUS TO ANY LOAD GROUND TERMINAL SHALL NOT EXCEED ONE (1) OHM.
- ALL ELECTRICAL EQUIPMENT AND ACCESSORIES INSTALLED OUTSIDE OR EXPOSED TO WEATHER SHALL HAVE NEMA 3R ENCLOSURES AND SHALL BE TIGHTLY GASKETED FOR A COMPLETE RAIN TIGHT INSTALLATION.
- ALL EQUIPMENT SPECIFIED OR REQUIRED SHALL HAVE COPPER CURRENT CARRYING PARTS INCLUDING GROUND BUS AND TERMINALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATIONS, SEALING, WATERPROOFING, PENETRATIONS, CUTTING, PATCHING, AND PAINTING FOR THE COMPLETE CONTRACT WORK INDICATED. ALL RESTORATION WORK PERFORMED BY CONTRACTOR SHALL RESTORE DISTURBED SURFACES TO THEIR ORIGINAL CONDITION.
- WHEREVER EXISTING WIRING AND CONDUIT IS EXTENDED, EXTEND WITH THE SAME SIZE AS EXISTING WIRING AND CONDUIT. VERIFY EXISTING WIRING AND CONDUIT SIZES IN FIELD.
- PAINT ALL EXPOSED CONDUITS IN FINISHED AREAS TO MATCH EXISTING ADJACENT SURFACES.
- PROVIDE NEW SUPPORTS WHERE CONDUITS OR CABLES ARE TO BE REINSTALLED. CONTRACTOR SHALL TRACE ALL EXISTING CIRCUITS TO PANELS IMPACTED BY THIS WORK.
- CONTRACTOR WILL PROVIDE MINIMUM 5 DAYS NOTICE FOR ANY POWER AND FIRE ALARM DISRUPTION.
- ALL EXPOSED CONDUITS ON ROOF SHALL BE PAINTED TO MATCH THE ROOF COLOR.
- THE CONTRACTOR SHALL CHECK / TRACE THE SOURCE OF POWER FOR ALL MECHANICAL EQUIPMENT TO BE REMOVED, REINSTALLED OR REPLACED IN THIS CONTRACT AND TAG ALL EQUIPMENT PROPERLY BEFORE REMOVAL.
- ALL EQUIPMENT SHALL BE PROVIDED AS SPECIFIED OR APPROVED EQUAL.
- PATCH AND PAINT AREAS WHERE EXISTING CONDUIT HAS BEEN REMOVED.
- FOR THE UNITS TO BE REMOVED AND THE UNITS TO BE REMOVED AND REPLACED WITH NEW, DISCONNECT AND REMOVE EXISTING WIRING TO SOURCE. REMOVE EXISTING CONDUIT UP TO THE CEILING OF THE FLOOR BELOW ROOF. ABONDON THE REST OF EXISTING CONDUIT IN PLACE.



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Building Address:

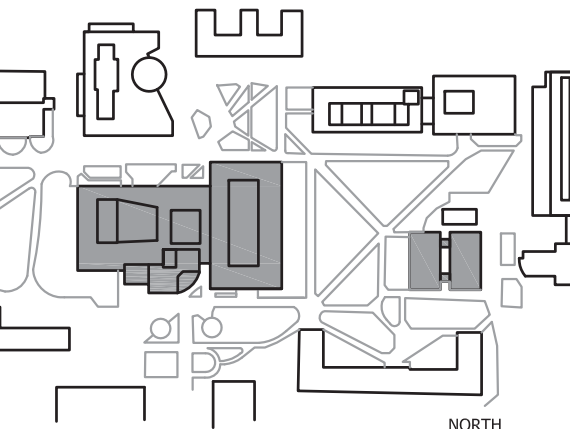
1 HAWK DRIVE, NEW PALTZ, NY 12561

Building:

SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING

County of:
ULSTER

Project No.:
081047-00



Key/Location Plan

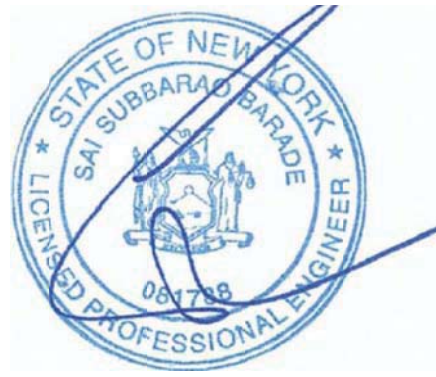
Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:

ELECTRICAL SYMBOLS, NOTES & ABBREVIATIONS

Seal & Signature:



Drawn By:

Checked By:

Date: JANUARY 8, 2021

Scale: AS NOTED

Drawing No.:

E001.00

Sheet 40 of 47

DEMOLITION NOTES

1. PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS AS REQUIRED FOR THE COMPLETE DEMOLITION AND REMOVAL AS NOTED.
2. THE DEMOLITION WORK SHALL BE CARRIED ON IN EVERY RESPECT IN A THOROUGH AND WORKMANLIKE MANNER.
3. ALL DEMOLITION, REMOVAL, AND DISPOSAL WORK SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE PREVAILING FEDERAL AND STATE CODES AND REGULATIONS.
4. REMOVE ALL DEBRIS NOT EXPLICITLY DESIGNATED TO BE SALVAGED (TO REMAIN) FROM THE PREMISES AND LEGALLY DISPOSE OFF AWAY FROM PREMISES.
5. CAREFULLY REMOVE AND PROTECT ALL ITEMS TO BE SAVED AND REUSED AS INDICATED ON DRAWINGS. REPLACE ANY ITEMS THAT ARE DAMAGED BY REMOVAL AT YOUR OWN COST. NOTIFY THE AUTHORITY IN WRITING OF ANY ITEM THAT IS DAMAGED PRIOR TO REMOVAL SO THAT THEY MAY ASCERTAIN THE ITEM'S CONDITION
6. PROTECT BUILDING MATERIALS, SURFACES AND STRUCTURES, WHICH ARE TO REMAIN, FROM DAMAGE; IF DAMAGE OCCURS, REPAIR OR REPLACEMENT SHALL BE MADE BY THE CONTRACTOR, TO THE SATISFACTION OF THE AUTHORITY, AND AT THE EXPENSE OF THE CONTRACTOR. ALL DISTURBED AREAS SHALL BE FINISH TO MATCH EXISTING CONDITIONS.
7. VISIT AND EXAMINE CAREFULLY THE AREAS AFFECTED BY THIS WORK TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND WITH THE DIFFICULTIES THAT ATTEND THE EXECUTION OF THIS WORK. LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT, OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED.
8. COORDINATE WITH SITE PERSONNEL TO MINIMIZE IMPACT OF OPERATION OF THE BUILDING DURING DEMOLITION AND CONSTRUCTION.
9. WHEN POWER SHUTOFF IS REQUIRED, CONTRACTOR IS TO MAINTAIN CONTINUOUS SERVICE ON FEEDERS SERVING THE AREAS AFFECTED DURING ALL THE PERIOD THE AREA IS UNDER CONSTRUCTION. NO OUTAGES WILL BE PERMITTED IN THESE AREAS DUE TO THE CONSTRUCTION PHASE. ALL WORK REQUIRING TEMPORARY SHUTDOWN SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. ANY APPROVAL FOR POWER SHUTDOWNS SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND IT MUST BE NOTIFIED IN WRITING 5 DAYS IN ADVANCE.

FIRE ALARM NOTES

1. ALL NEW DEVICES SHALL MATCH EXISTING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE EXISTING BUILDING'S FIRE ALARM VENDOR FOR SYSTEM INFORMATION AS IT RELATES TO CONNECTION TO EXISTING SYSTEM (EDWARDS EST3). INCLUDING EXISTING FIRE ALARM SYSTEM RE-PROGRAMMING. ALL MATERIALS AND INSTALLATION SHALL COMPLY WITH NFPA 72, 101 ADA AND THE 2017 NATIONAL ELECTRICAL CODE.
2. FIRE ALARM WIRING SHALL MATCH EXISTING. CONTRACTOR SHALL COORDINATE ALL WIRING REQUIREMENTS WITH FIRE ALARM SYSTEM'S MANUFACTURER'S RECOMMENDATION.
3. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIRE ALARM DEVICES, WIRING AND RELATED DEVICES, FINAL WIRING TERMINATION TO THE FACP SHALL BE PERFORMED BY THE BUILDING'S FIRE ALARM SYSTEM VENDOR APPROVED ELECTRICIAN UNDER THIS CONTRACT.
4. CONNECT ALL DEVICES TO NEAREST EXISTING FIRE ALARM LOOP SERVING THE AREA.
5. FLEXIBLE METAL CONDUIT WILL BE PERMITTED ONLY FOR FINAL CONNECTIONS TO SENSING OR ALARM DEVICES AND SHALL BE UNDERWRITERS LABELED AND OF LENGTHS NOT EXCEEDING 24" WHERE A RIGID CONNECTION CANNOT BE MADE.
6. ALL INSTALLATION SHALL BE PER NFPA 72 AND ADA REQUIREMENTS.
7. ALL DUCT SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE. ALL EXISTING DUCT SMOKE DETECTORS ARE LOCATED AT THE FLOOR LEVEL BELOW ROOF.
8. CONTRACTOR SHALL PROVIDE FIRE WATCH DURING THE PERIOD WHEN FIRE ALARM SYSTEM IS DISABLED. PROVIDE FIVE DAYS NOTICE TO SUNY FOR ANY FIRE ALARM SYSTEM SHUTDOWN.
9. EXISTING FIRE ALARM SEQUENCE OF OPERATION SHALL BE MAINTAINED. NEW DEVICES SHALL WORK AS A PART OF EXISTING FIRE ALARM SYSTEM.
10. RETEST EXISTING FIRE ALARM SYSTEM FOR PROPER OPERATION AFTER RECONNECTION OF ALL NEW DEVICES AND EQUIPMENT.
11. VENDER OF FIRE ALARM SYSTEM IS FIRE SECURITY AND SOUND SYSTEM (TEL # 518-250-4364)

TEMPORARY LIGHTING AND POWER

1. PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL TRADES DURING CONSTRUCTION.
2. CONTRACTOR WILL PROVIDE MINIMUM 5 DAYS NOTICE FOR ANY POWER AND FIRE ALARM DISRUPTION.
3. PROVIDE POWER TO TEMPORARY UNITS FOR COOLING AS REQUIRED. SEE DWG E-401.

PHASING

1. ANY PHASING INFORMATION WHERE PROVIDED IN THE CONTRACT DOCUMENTS ARE TO PROVIDE THE INTENT OF PHASING WORK ONLY AND MAY NOT INCLUDE ALL INFORMATION REQUIRED TO MEET THE INTENT OF THE OWNERS REQUIREMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE PHASING REQUIREMENTS, METHODOLOGY, SCHEDULE, COORDINATION WITH THE OWNER.
2. IN ALL ASPECTS OF PHASING WORK, ALL ITEMS SHALL BE IN FULL COMPLIANCE WITH THE CURRENT CODE AND STANDARDS.
3. ALL PHASES OF THE PROJECTS SHALL ENSURE STANDALONE FULLY FUNCTIONAL CODE COMPLIANT SYSTEM REQUIRED FOR AN OCCUPIED SPACE USE.
4. ALL PHASING COSTS SHALL BE INCLUDED IN THE PROJECT BID.
5. COORDINATE ALL WORK WITH ARCH PHASING PLAN. SEE DWG T002 FOR ARCH PHASING PLAN.

SPECIFIC NOTES

1. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL IN THE PRESENCE OF SUNNY REPRESENTATIVE, TEST THE FIRE ALARM SYSTEM TO DETERMINE WHETHER EACH DEVICE IS FULLY OPERATIONAL. THE RESULT OF THE TEST SHALL BE CLEARLY DOCUMENTED AND SIGNED BY ALL PRESENT. ANY DEVICES NOT FUNCTIONING MUST BE NOTED AND REPORTED TO SUNNY REPRESENTATIVE.

DRAWING LIST

DRAWING #	DRAWING NAME	PAGE NUMBER
E001.00	ELECTRICAL SYMBOLS, NOTES, AND ABBREVIATIONS	1 OF 8
E002.00	ELECTRICAL NOTES AND DRAWING LIST	2 OF 8
DE101.00	ELECTRICAL ROOF REMOVAL PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)	3 OF 8
DE102.00	ELECTRICAL ROOF REMOVAL PAN - FACULTY OFFICE BUILDING	4 OF 8
E101.00	ELECTRICAL ROOF CONSTRUCTION PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)	5 OF 8
E102.00	ELECTRICAL ROOF CONSTRUCTION PLAN - FACULTY OFFICE BUILDING	6 OF 8
E401.00	ELECTRICAL POWER TO TEMPORARY AC UNIT	7 OF 8
E701.00	ELECTRICAL DETAILS	8 OF 8



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Building:

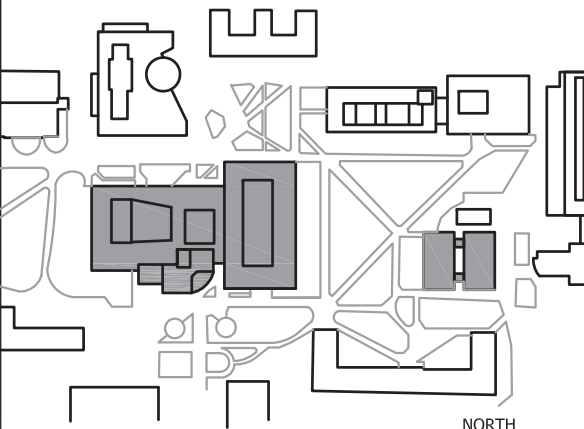
SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING

County of:

ULSTER

Project No.:

081047-00



Key/Location Plan

Contract Title:

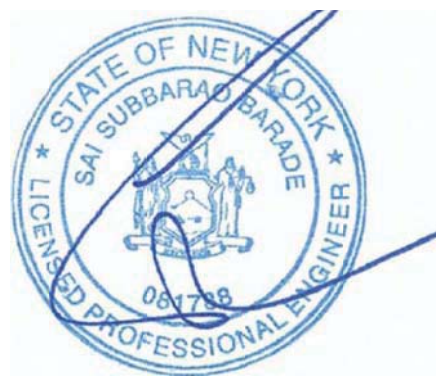
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:

ELECTRICAL NOTES AND DRAWING LIST

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Date:

JANUARY 8, 2021

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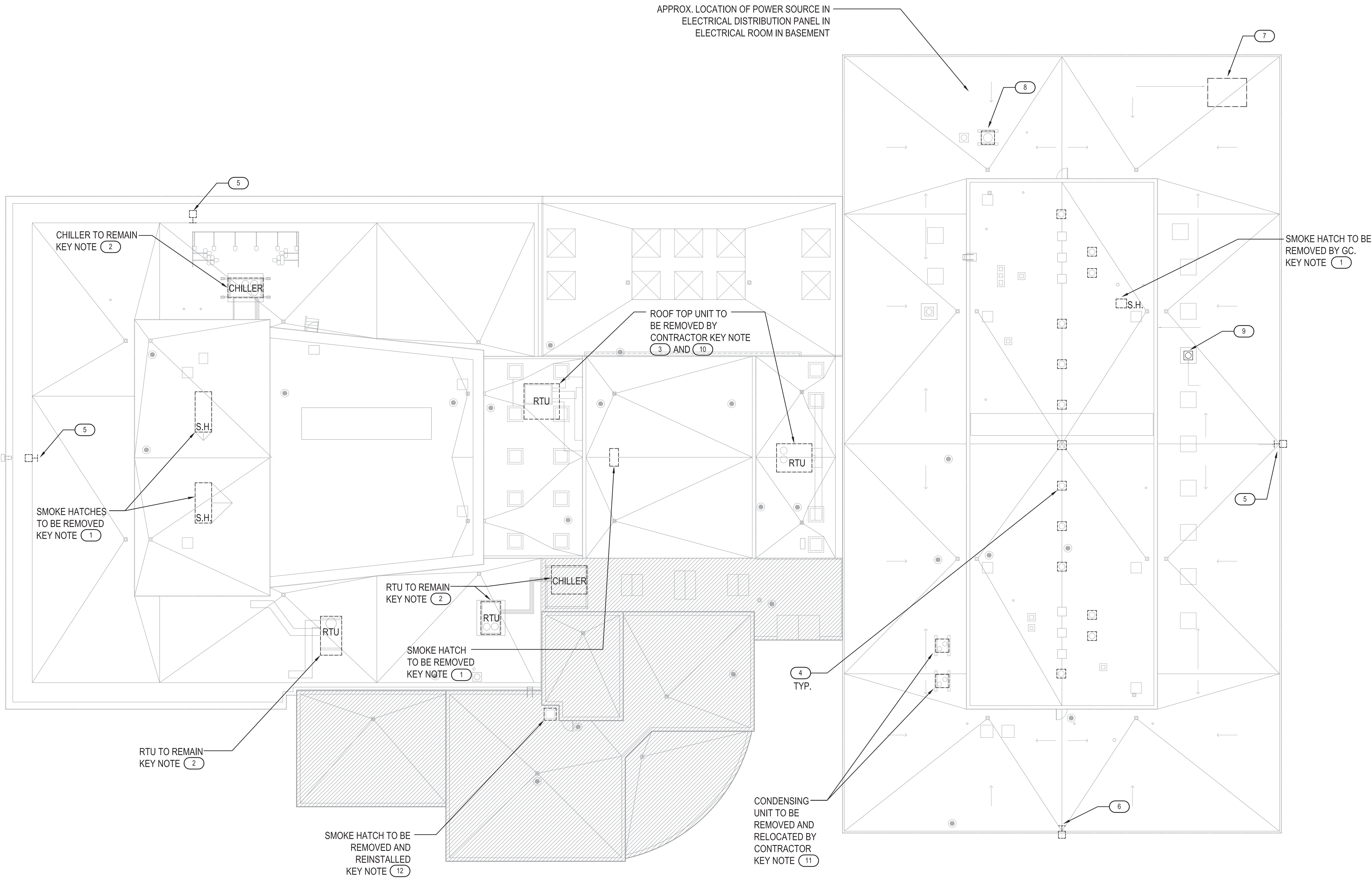
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E002.00

Sheet

41 of 47



1 ELECTRICAL ROOF REMOVAL PLAN - SMILEY ARTS, MCKENNA THEATRE AND DORSKY MUSEUM (SAB)
SCALE: 1/16"=1'-0"

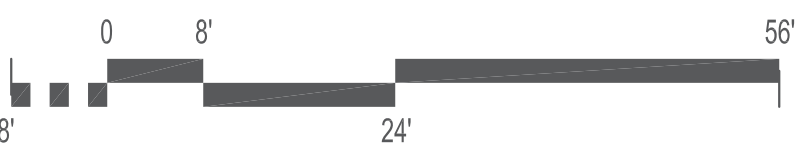
NOTES

- SEE DWG E001.00 AND E002.00 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- WHEREEVER THE CONDUITS ARE SHOWN TO BE REMOVED, CONDUITS / WIRING SHALL BE REMOVED UP TO THE NEAREST JUNCTION BOX INSIDE THE BUILDING.
- THE CONTRACTOR SHALL TRACE THE POWER SOURCE FOR ALL ELECTRICAL EQUIPMENT IN FIELD.
- DISCONNECT AND REMOVE EXISTING WIRING / CONDUITS ON ROOF IN THE WAY OF ROOF TO BE REPLACED.
- CONTRACTOR WILL PROVIDE MINIMUM 5 DAYS NOTICE FOR ANY POWER AND FIRE ALARM DISRUPTION.
- FOR THE UNITS TO BE REMOVED AND THE UNITS TO BE REMOVED AND REPLACED WITH NEW, DISCONNECT AND REMOVE EXISTING WIRING TO SOURCE. REMOVE EXISTING CONDUIT UP TO THE CEILING OF THE FLOOR BELOW ROOF. ABANDON THE REST OF EXISTING CONDUIT IN PLACE.
- FOR EQUIPMENT TO BE REMOVED AND REINSTALLED, EXISTING HOMERUN WIRING AND CONDUIT SHALL REMAIN UPTO CEILING OF THE FLOOR BELOW ROOF.

KEY NOTES

- DISCONNECT EXISTING POWER WIRING AND CONDUIT AND FIRE ALARM WIRING AND CONDUIT FOR THE EXISTING SMOKE HATCH TO BE REMOVED UPTO THE NEAREST JUNCTION BOX INSIDE THE BUILDING. REMOVE POWER WIRING. CONDUIT TO PANEL SHALL REMAIN. REMOVE FIRE ALARM WIRING TO NEAREST FIRE ALARM DEVICE, CONDUIT SHALL REMAIN.
- EXISTING RTU / CHILLER TO REMAIN. PROTECT EXISTING POWER WIRING AND CONDUIT. PROVIDE TEMPORARY CONDUIT SUPPORTS AS REQUIRED.
- DISCONNECT AND REMOVE EXISTING POWER WIRING UPTO SOURCE IN ELECTRICAL ROOM AND CONDUIT FOR EXISTING RTU UPTO THE CEILING OF FLOOR BELOW. REMOVE ALL CONDUITS ON ROOF. ABANDON CONDUITS CONCEALED IN WALLS IN PLACE. PATCH AND PAINT AREAS WHERE CONDUIT HAS BEEN REMOVED. SEE NOTE # 6.
- GRAVITY VENT HAS NO POWER CONNECTION.
- DISCONNECT, REMOVE AND STORE EXISTING LIGHTING FIXTURE FOR REINSTALLATION. REMOVE EXISTING SUPPORTS ON ROOF AND STORE FOR REINSTALLATION. DISCONNECT AND REMOVE THE BRANCH CIRCUIT WIRING AND CONDUIT UP TO NEAREST JUNCTION BOX INSIDE THE BUILDING. HOMERUN WIRING CONDUIT SHALL REMAIN.
- LIGHTING FIXTURE IS MISSING AT THIS LOCATION. REMOVE EXISTING SUPPORTS ON ROOF AND STORE FOR REINSTALLATION. DISCONNECT AND REMOVE THE BRANCH CIRCUIT WIRING AND CONDUIT UP TO NEAREST JUNCTION BOX INSIDE THE BUILDING. HOMERUN WIRING CONDUIT SHALL REMAIN.
- FOR EXISTING HV UNIT TO BE REMOVED. DISCONNECT AND REMOVE POWER WIRING TO SOURCE IN ELECTRICAL ROOM AND CONDUIT TO THE CEILING OF FLOOR BELOW. ABANDON EXISTING BURRIED CONDUIT AND WIRING IN PLACE. DISCONNECT THE EXISTING DUCT SMOKE DETECTOR AT THE FLOOR BELOW. SEE NOTE # 6.
- DISCONNECT AND REMOVE POWER WIRING AND CONDUIT TO SOURCE IN MECHANICAL ROOM ON PENTHOUSE. FOR EXISTING EXHAUST FUME HOOD FAN TO BE REMOVED. ABANDON EXISTING BURRIED CONDUIT IN PLACE. SEE NOTE # 6.
- DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT TO EXISTING EXHAUST FAN UPTO THE NEAREST JUNCTION BOX INSIDE THE BUILDING. HOMERUN WIRING AND CONDUIT TO PANEL SHALL REMAIN.
- DISCONNECT AND REMOVE EXISTING FIRE ALARM WIRING AND CONDUIT FOR DUCT SMOKE DETECTORS UP TO THE NEAREST JUNCTION BOX INSIDE THE BUILDING.
- DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT FOR EXISTING CONDENSING UNIT UPTO THE NEAREST JUNCTION BOX INSIDE THE BUILDING. HOMERUN WIRING AND CONDUIT TO PANEL SHALL REMAIN.
- DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT AND FIRE ALARM WIRING AND CONDUIT UPTO THE NEAREST JUNCTION BOX INSIDE THE BUILDING. POWER AND FIRE ALARM WIRING AND CONDUIT SHALL REMAIN.

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



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Building:

SMILEY ARTS BUILDING,

COLLEGE THEATRE, DORSKY

MUSEUM AND

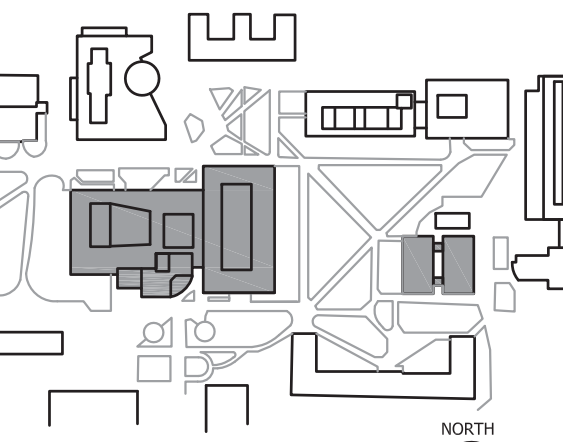
FACULTY OFFICE BUILDING

County of:

ULSTER

Project No.:

081047-00



Key/Location Plan

Contract Title:

ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

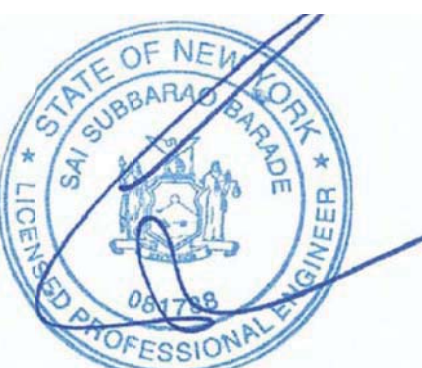
Project No.:

081047-00

Drawing Title:

ELECTRICAL ROOF REMOVAL PLAN - SMILEY ARTS,
MCKENNA THEATRE AND DORSKY MUSEUM (SAB)

Seal & Signature:



Drawn By:

Checked By:

Date:

JANUARY 8, 2021

Scale:

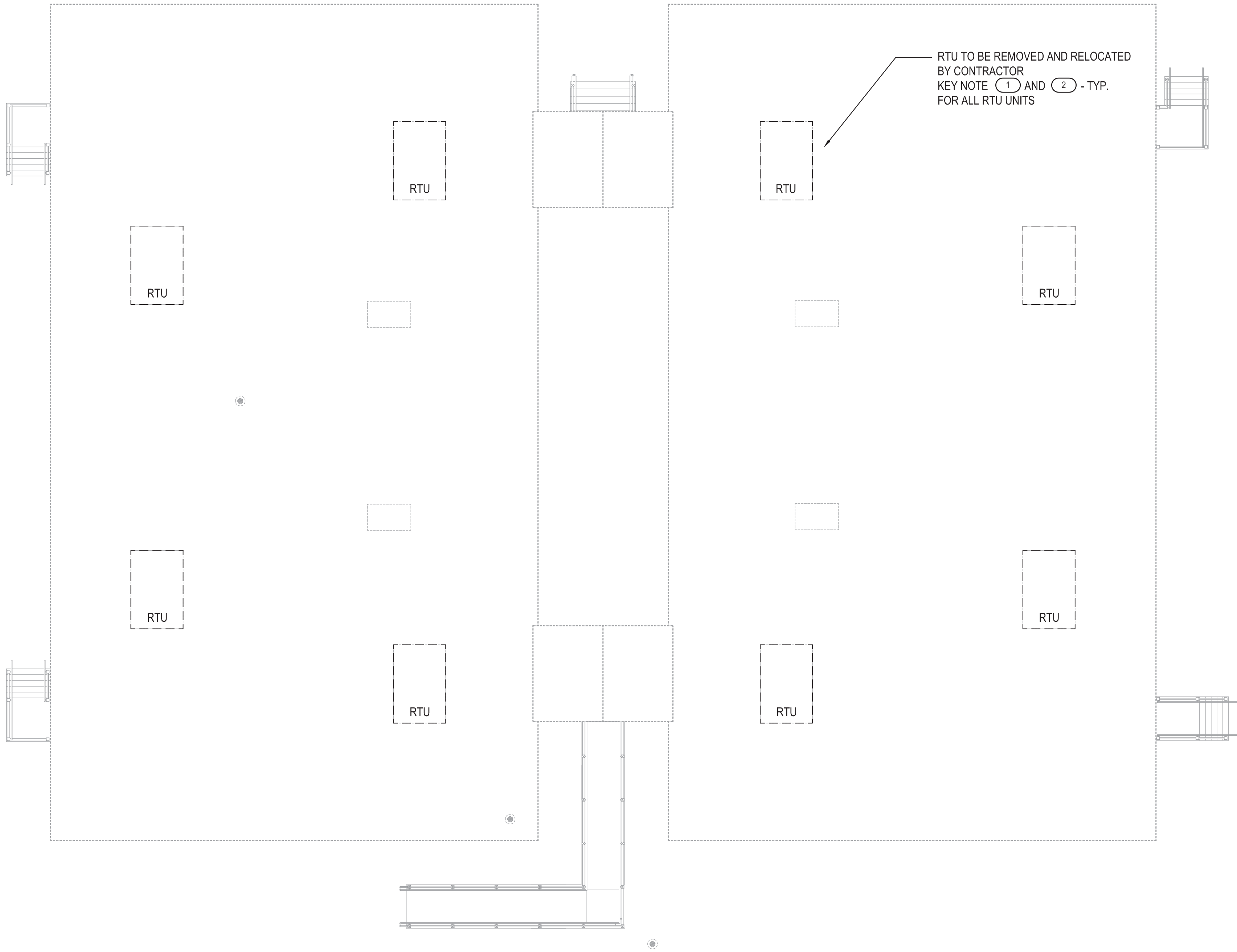
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42 of 47



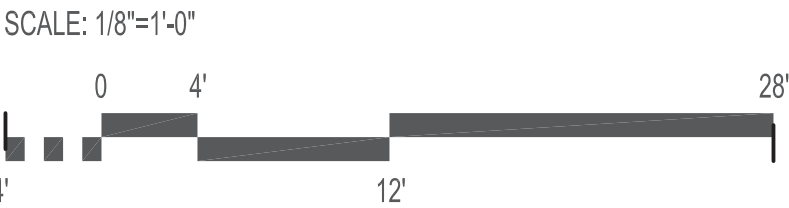
1 ELECTRICAL ROOF REMOVAL PLAN - FACULTY OFFICE BUILDING
SCALE: 1/8"=1'-0"

NOTES

- SEE DWG E001.00 AND E002.00 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- WHEREEVER THE CONDUITS ARE SHOWN TO BE REMOVED, CONDUITS / WIRING SHALL BE REMOVED UP TO THE NEAREST JUNCTION BOX INSIDE THE BUILDING.
- THE CONTRACTOR SHALL TRACE THE POWER SOURCE FOR ALL ELECTRICAL EQUIPMENT IN FIELD.
- DISCONNECT AND REMOVE EXISTING WIRING / CONDUITS ON ROOF IN THE WAY OF ROOF TO BE REPLACED.
- CONTRACTOR WILL PROVIDE MINIMUM 5 DAYS NOTICE FOR ANY POWER AND FIRE ALARM DISRUPTION.
- FOR EQUIPMENT TO BE REMOVED AND REINSTALLED, EXISTING HOMERUN WIRING AND CONDUIT SHALL REMAIN UPTO CEILING OF THE FLOOR BELOW ROOF.

KEY NOTES

- 1 DISCONNECT AND REMOVE EXISTING POWER WIRING AND CONDUIT FOR EXISTING RTU UPTO THE NEAREST JUNCTION BOX INSIDE THE BUILDING. HOMERUN WIRING AND CONDUIT TO PANEL SHALL REMAIN.
- 2 DISCONNECT AND REMOVE EXISTING FIRE ALARM WIRING AND CONDUIT FOR DUCT SMOKE DETECTORS UP TO THE NEAREST JUNCTION BOX INSIDE THE BUILDING.



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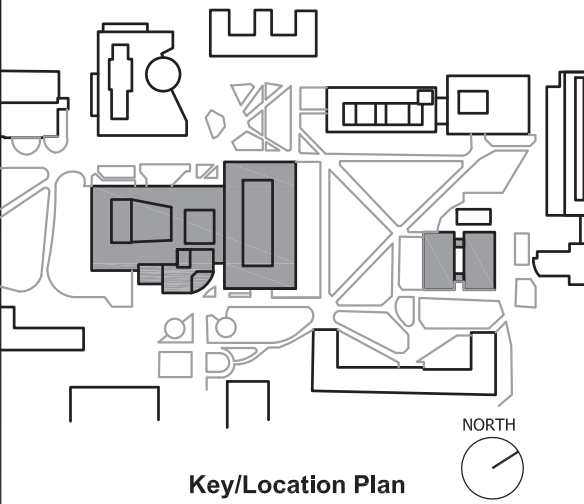
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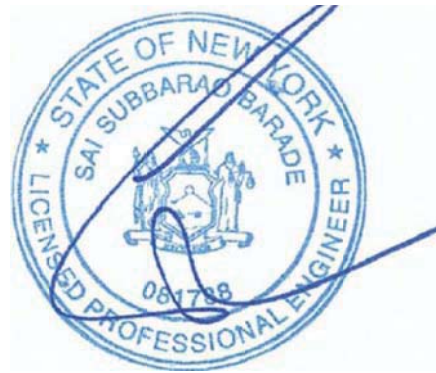


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
ELECTRICAL ROOF REMOVAL PLAN - FACULTY OFFICE
BUILDING

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Checked By:

Date: JANUARY 8, 2021

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Sheet 43 of 47

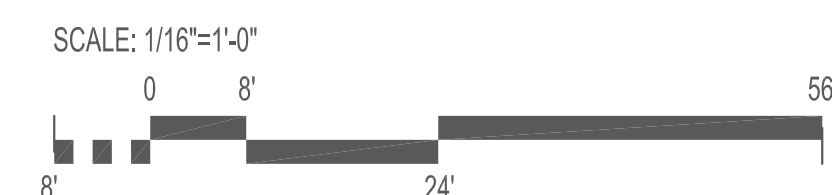


1. CONNECT NEW SMOKE HATCH TO NEW POWER WIRING AND CONDUIT AND FIRE ALARM WIRING AND CONDUIT. PROVIDE CONTROL MODULES AND RELAYS FOR FIRE ALARM CONNECTION. CONNECT TO NEAREST FIRE ALARM LOOP.
2. EXISTING POWER WIRING AND CONDUIT TO RTU UNITS TO REMAIN WILL REMAIN. SUPPORT EXISTING CONDUITS DURING ROOF REPLACEMENT. REINSTALL CONDUIT SUPPORTS AFTER ROOF REPLACEMENT.
3. RECONNECT CONDENSING UNIT TO EXISTING POWER WIRING AND CONDUIT EXTEND EXISTING POWER WIRING AND CONDUIT WITH THE SAME SIZE AS EXISTING AS REQUIRED.
4. GRAVITY VENT. NO POWER CONNECTION.
5. REINSTALL EXISTING LIGHTING FIXTURE. REINSTALL EXISTING SUPPORTS ON ROOF. EXTEND EXISTING WIRING AND CONDUIT WITH THE SAME SIZE AS EXISTING AS REQUIRED.
6. PROVIDE NEW LIGHTING FIXTURE (200 WATT LED FLOOD LIGHT WITH INTEGRAL PHOTOCELL CONTROL (LUMARK # LAS45-13/200 W LED - PHOTOCELL OR APPROVED EQUAL BY COOPER LIGHTING, HUBBLE LIGHTING, PHILIPS LIGHTING) MATCHING EXISTING FIXTURES ON ROOF AND RECONNECT TO EXISTING WIRING AND CONDUIT WITH THE SAME SIZE AS EXISTING. REINSTALL EXISTING SUPPORTS ON ROOF.

- 7 PROVIDE NEW 100A/3P CIRCUIT BREAKER IN EXISTING SPACES IN MAIN DISTRIBUTION PANEL IN ELECTRICAL ROOM AND CONNECT TO RTU WITH 3 # 1 + 1 # 6G - 1 1/2".
- 8 RECONNECT EXHAUST FAN TO EXISTING POWER WIRING AND CONDUIT. EXTEND EXISTING POWER WIRING AND CONDUIT WITH THE SAME SIZE AS EXISTING AS REQUIRED WIRE THROUGH VFD. SEE MECHANICAL DWG FOR LOCATION OF VFD.
- 9 CONNECT RECEPTACLES TO 20A/1P CIRCUIT BREAKER IN THE NEAREST PANEL IN EACH BUILDING. SEE NOTE 9.
- 10 PROVIDE NEW DUCT SMOKE DETECTORS IN RTU UNIT AND RECONNECT TO EXISTING FIRE ALARM WIRING AND CONDUIT USING PROPER SPLICES PER CODE.
- 11 APPROXIMATE LOCATION OF EXISTING FIRE ALARM CONTROL PANEL (EDWARDS MODEL EST3) IN FIRST FLOOR CORRIDOR OF MCKENNA THEATRE.
- 12 APPROXIMATE LOCATION OF POWER PANEL PP1 IN MECHANICAL ROOM (PENTHOUSE) ON FIRST FLOOR OF DORSKY MUSEUM. PROVIDE NEW CIRCUIT BREAKERS IN EXISTING SPACES IN PANEL.
- 13 APPROXIMATE LOCATION OF POWER PANEL PP2 IN MECHANICAL ROOM AT ROOF LEVEL.
- 14 APPROXIMATE LOCATION OF EXISTING FIRE ALARM CONTROL PANEL (EDWARDS MODEL EST3) IN CELLAR MAIN ELECTRICAL ROOM.

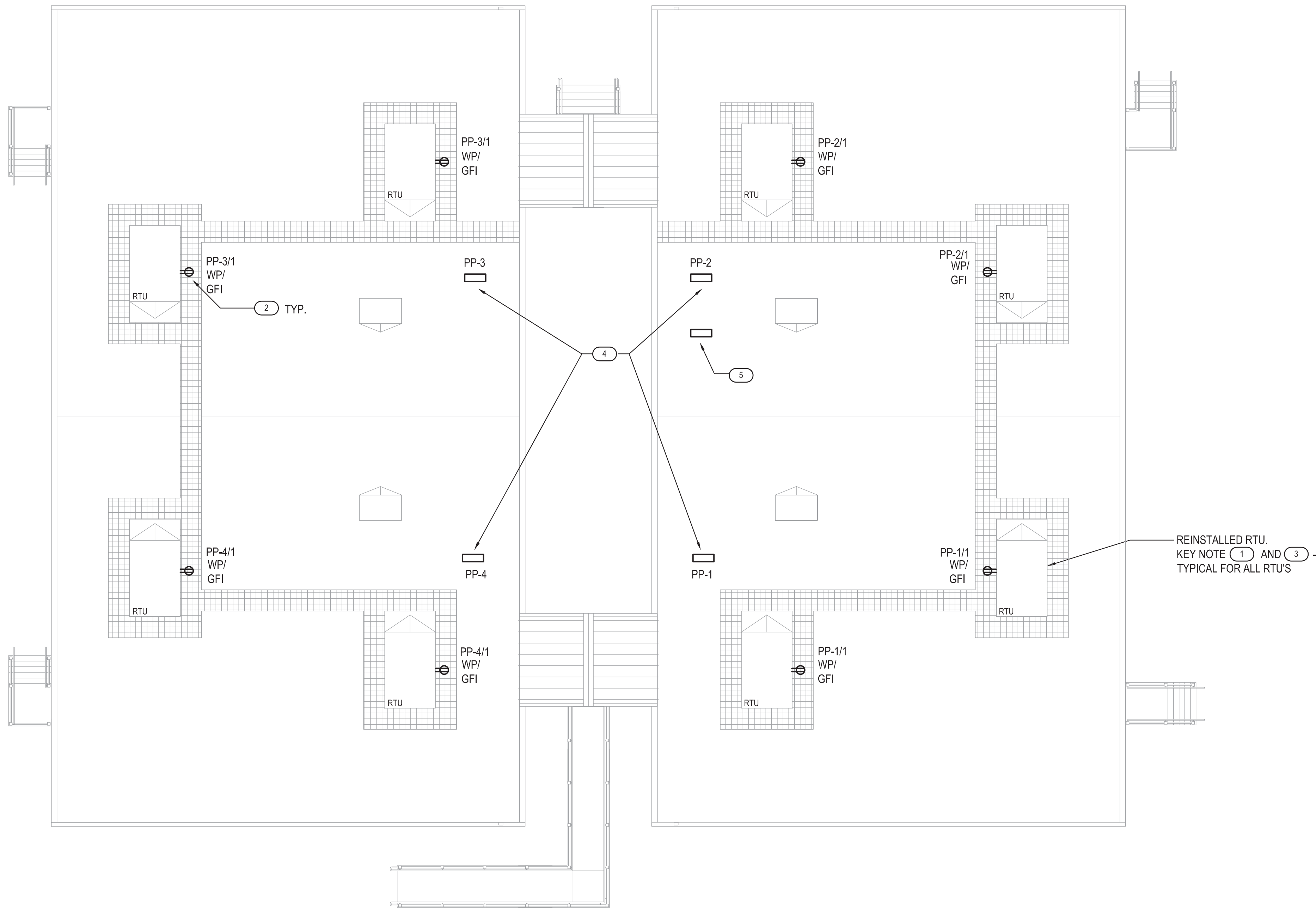
- 15 PROVIDE 150 KVA TRANSFORMER IN NEMA 3R ENCLOSURE IN FENCED ENCLOSURE.
- 16 CONTRACTOR SHALL COORDINATE THE POWER REQUIREMENTS FOR THE ACTUAL UNIT PROVIDED IN FIELD AND PROVIDE POWER DISTRIBUTION FOR THE EQUIPMENT PROVIDED.
- 17 PROVIDE NEW 60A/3P CIRCUIT BREAKER IN EXISTING SPACES IN MAIN DISTRIBUTION PANEL IN ELECTRICAL ROOM AND CONNECT TO RTU WITH 3 # 4 + 1 # 8G - 1 1/4" C.
- 18 CONNECT REINSTALLED SMOKE HATCH TO EXISTING POWER WIRING AND CONDUIT AND EXISTING FIRE ALARM WIRING AND CONDUIT. EXTEND EXISTING POWER WIRING AND CONDUIT AND FIRE ALARM WIRING AND CONDUIT WITH THE SAME SIZE AS EXISTING AS REQUIRED.

1. FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOL LIST, REFER TO DRAWING E001.00 AND E002.00
2. UNLESS OTHERWISE NOTED ON THE DRAWING, CONDUIT USAGE SHALL BE AS FOLLOWS:
 - ALL UNDERGROUND AND OUTDOOR CONDUIT - RGS.
 - FURRED OR SUSPENDED CEILING AND IN WALLS - EMT.
 - FOR MOTORS AND VIBRATING EQUIPMENT - LIQUID TIGHT FLEXIBLE METAL CONDUIT (MAX. 6' IN LENGTH).
3. ALL EQUIPMENT ON ROOF SHALL BE WEATHERPROOF AND SHALL BE INSTALLED IN NEMA 3R ENCLOSURE.
4. PROVIDE PITCH POCKETS FOR CONDUIT PENETRATION THROUGH ROOF AS REQUIRED.
5. ALL NEW CONDUITS ON ROOF SHALL BE RGS. THE WIRING / CONDUITS SHALL BE REPLACED UP TO THE NEAREST JUNCTION BOX INSIDE THE BUILDING.
6. ALL WIRING / CONDUIT ON ROOF IN THE WAY OF ROOF REPLACEMENT SHALL BE REPLACED WITH NEW RGS CONDUITS. VERIFY LOCATION OF ALL CONDUITS ON ROOF IN FIELD.
7. CONTRACTOR WILL PROVIDE MINIMUM 5 DAYS NOTICE FOR ANY POWER AND FIRE ALARM DISRUPTION.
8. WHEREVER EXISTING WIRING AND CONDUIT IS NOTED TO BE EXTENDED END WITH THE SAME SIZE AS EXISTING WIRING AND CONDUIT.
9. NEW CIRCUIT NUMBERS FROM PANELS ARE SHOWN FOR IDENTIFICATION AND GROUPING PURPOSES ONLY. PROVIDE NEW CIRCUIT BREAKERS IN EXISTING SPACES IN PANELS.



Key/Location Plan

Sheet 44 of 47



1 ELECTRICAL ROOF CONSTRUCTION PLAN - FACULTY OFFICE BUILDING

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

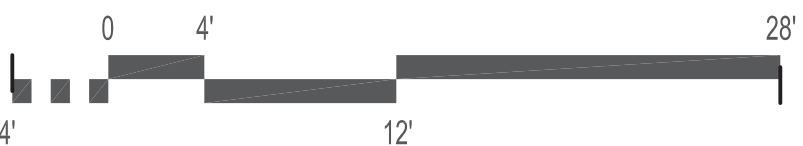
NOTES

- FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOL LIST, REFER TO DRAWING E001.00 AND E002.00
- UNLESS OTHERWISE NOTED ON THE DRAWING, CONDUIT USAGE SHALL BE AS FOLLOWS:
 - ALL UNDERGROUND AND OUTDOOR CONDUIT - RGS.
 - FURRED OR SUSPENDED CEILING AND IN WALLS - EMT.
 - FOR MOTORS AND VIBRATING EQUIPMENT - LIQUID TIGHT FLEXIBLE METAL CONDUIT (MAX. 6' IN LENGHT).
- ALL EQUIPMENT ON ROOF SHALL BE WEATHERPROOF AND SHALL BE INSTALLED IN NEMA 3R ENCLOSURE.
- PROVIDE PITCH POCKETS FOR CONDUIT PENETRATION THROUGH ROOF AS REQUIRED.
- ALL NEW CONDUITS ON ROOF SHALL BE RGS, THE WIRING / CONDUITS SHALL BE REPLACED UP TO THE NEAREST JUNCTION BOX INSIDE THE BUILDING.
- ALL WIRING / CONDUIT ON ROOF IN THE WAY OF ROOF REPLACEMENT SHALL BE REPLACED WITH NEW RGS CONDUITS. VERIFY LOCATION OF ALL CONDUITS ON ROOF IN FIELD.
- CONTRACTOR WILL PROVIDE MINIMUM 5 DAYS NOTICE FOR ANY POWER AND FIRE ALARM DISRUPTION.
- WHEREVER EXISTING WIRING AND CONDUIT IS NOTED TO BE EXTENDED EXTEND WITH THE SAME SIZE AS EXISTING WIRING AND CONDUIT.
- NEW CIRCUIT NUMBERS FROM PANELS ARE SHOWN FOR IDENTIFICATION AND GROUPING PURPOSES ONLY. PROVIDE NEW CIRCUIT BREAKERS IN EXISTING SPACES IN PANELS.

KEY NOTES

- RECONNECT RTU TO EXISTING POWER WIRING AND CONDUIT. EXTEND EXISTING POWER WIRING AND CONDUIT WITH THE SAME SIZE AS EXISTING AS REQUIRED.
- CONNECT RECEPTACLES TO 20A/1P CIRCUIT BREAKER IN THE NEAREST PANEL IN EACH BUILDING. PROVIDE NEW CIRCUIT BREAKERS IN EXISTING SPACES IN PANELS.
- RECONNECT EXISTING FIRE ALARM WIRING AND CONDUIT FOR DUCT SMOKE DETECTORS TO REINSTALLED RTU UNIT.
- APPROXIMATELY LOCATION OF POWER PANELS IN ELECTRICAL CLOSETS ON 1ST FLOOR.
- APPROXIMATELY LOCATION OF FIRE ALARM CONTROL PANEL (EDWARDS EST3) ON 1ST FLOOR.

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



PROGRAM UNIT:



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Building:

SMILEY ARTS BUILDING,

COLLEGE THEATRE

DORSKY MUSEUM AND

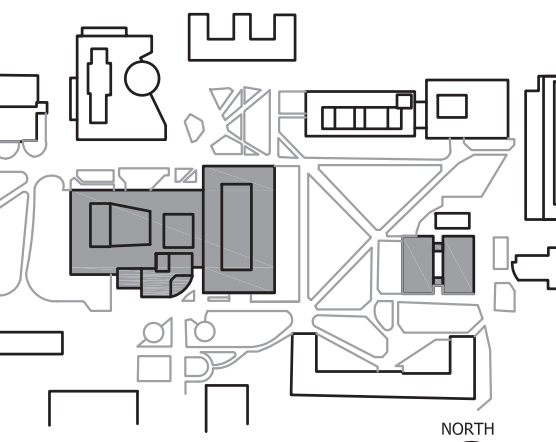
FACULTY OFFICE BUILDING

County of:

ULSTER

Project No.:

081047-00



Key/Location Plan

Contract Title:

ROOF REPLACEMENT - SMILEY ARTS,

COLLEGE THEATRE, DORSKY

MUSEUM AND FACULTY OFFICE

BUILDING

Project No.:

081047-00

Drawing Title:

ELECTRICAL ROOF CONSTRUCTION PLAN - FACULTY

OFFICE BUILDING

Seal & Signature:



Drawn By:

Checked By:

Date:

JANUARY 8, 2021

Scale:

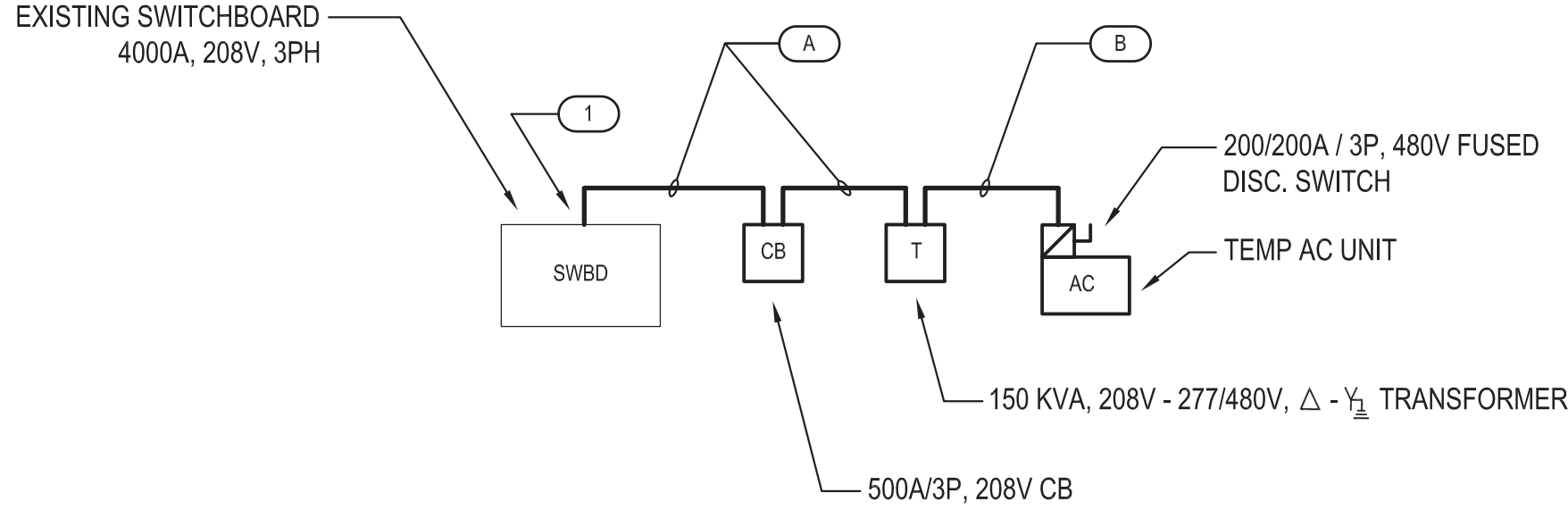
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Drawing No.:

E102.00

Sheet

45 of 47



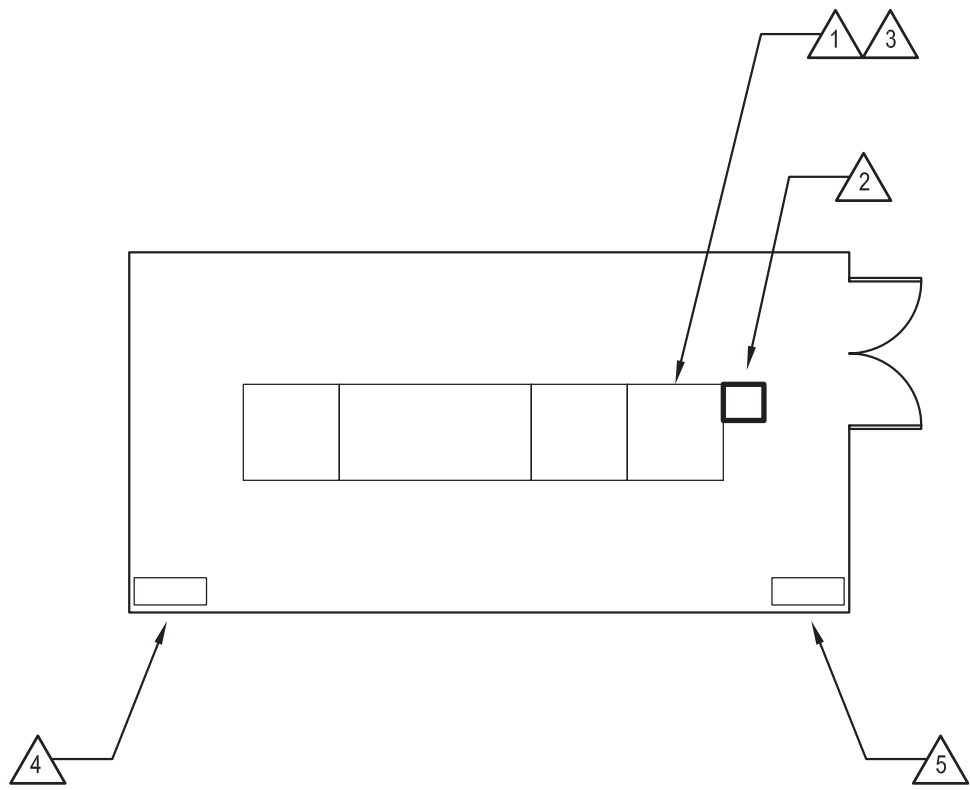
1 POWER TO TEMPORARY AC UNIT
SCALE: NTS

KEY NOTES

- 1 TAP MAIN BUS OF EXISTING SWITCHBOARD WITH 2 SETS OF 3 - 250 MCM + 1 # 2G - 3" FOR FEEDER TO TEMP. AC UNIT.

FEEDER SCHEDULE

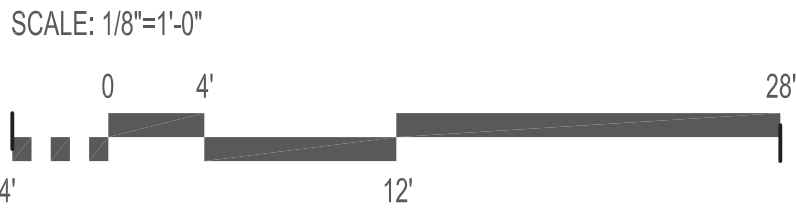
- A 2 SETS OF 3 - 250 MCM + 1 # 2G - 3" C
B 3 # 4/0 + 1 # 4G - 2 1/2" C



2 MAIN ELECTRICAL ROOM (SMILEY ARTS BLDG)
SCALE: NTS

KEY NOTES

- 1 EXISTING 4000A, 208V, 3PH SWITCHBOARD.
2 NEW 500A / 3P, 208V, 3PH CB.
3 PROVIDE 1 - 100A/3P AND 1 - 60A/3P, 208V CIRCUIT BREAKERS IN EXISTING SPACES FOR POWER TO NEW RTU UNITS ON ROOF.
4 EXISTING FIRE ALARM CONTROL PANEL EDWARDS EST3.
5 EXISTING ELECTRICAL PANEL.



PROGRAM UNIT:



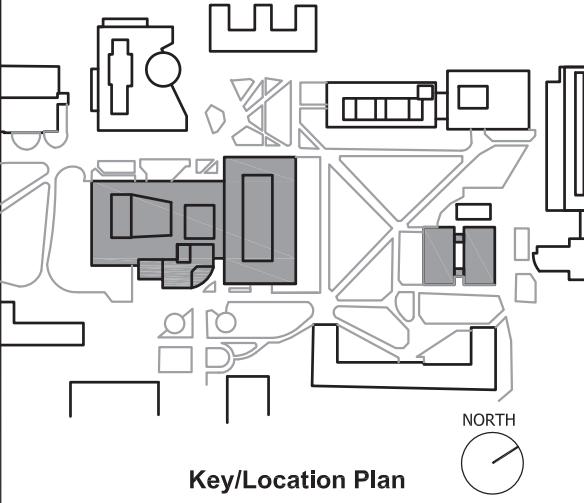
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Building:
SMILEY ARTS BUILDING,
COLLEGE THEATRE
DORSKY MUSEUM AND
FACULTY OFFICE BUILDING
County of: Project No.:
ULSTER 081047-00

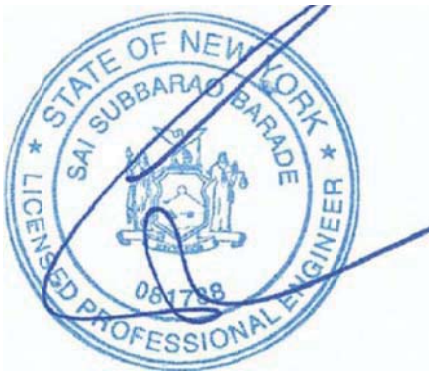


Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:
ELECTRICAL POWER TO TEMPORARY AC UNIT

Seal & Signature:

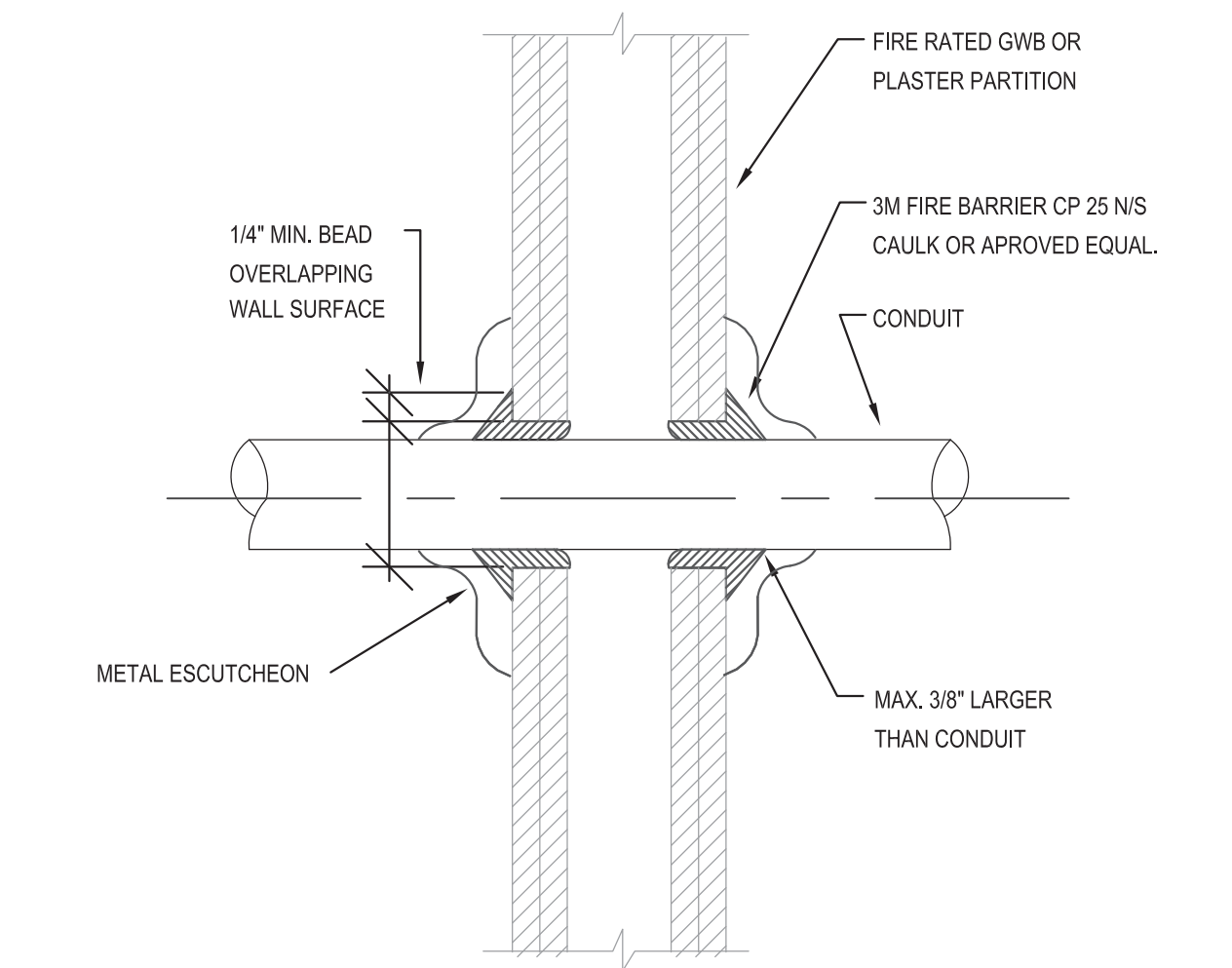


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Checked By:
Date: JANUARY 8, 2021
Scale: AS NOTED

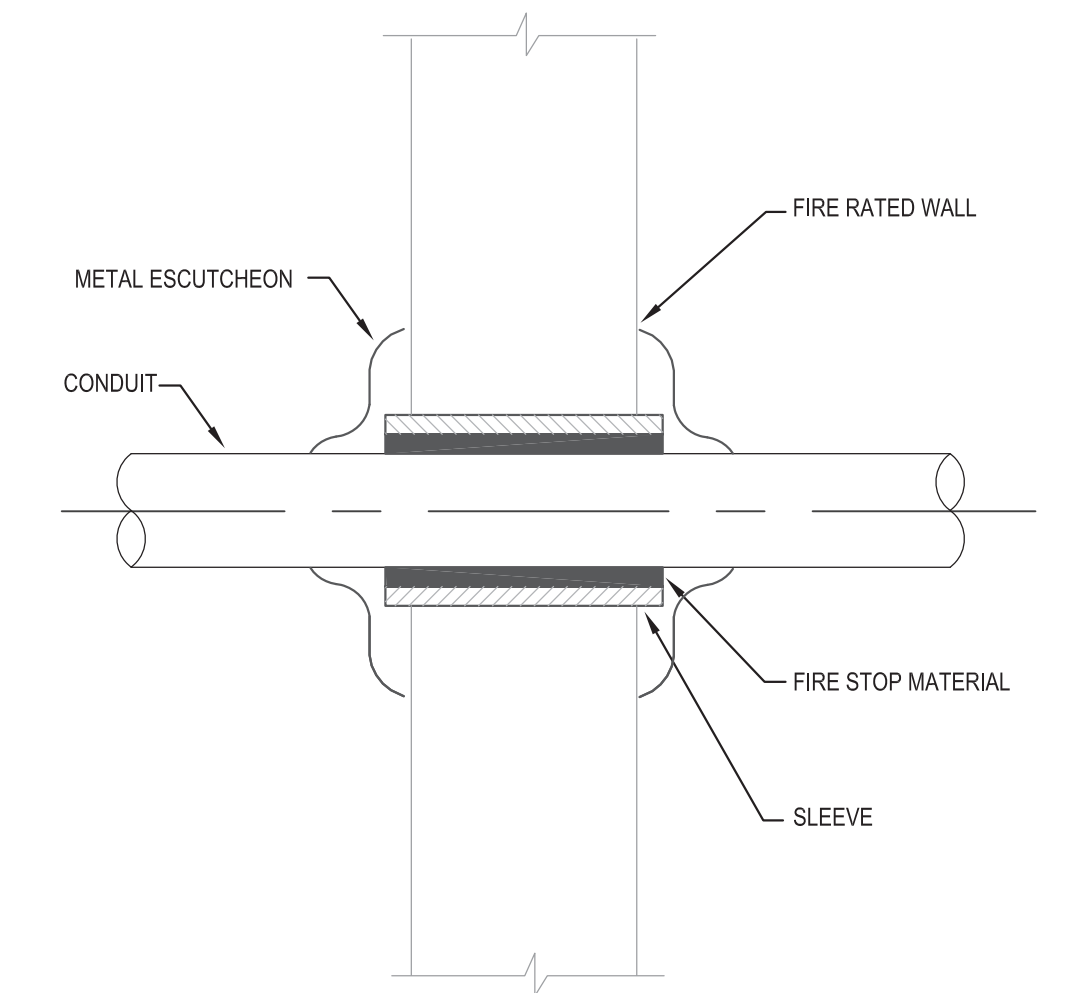
Drawing No.:

E401.00

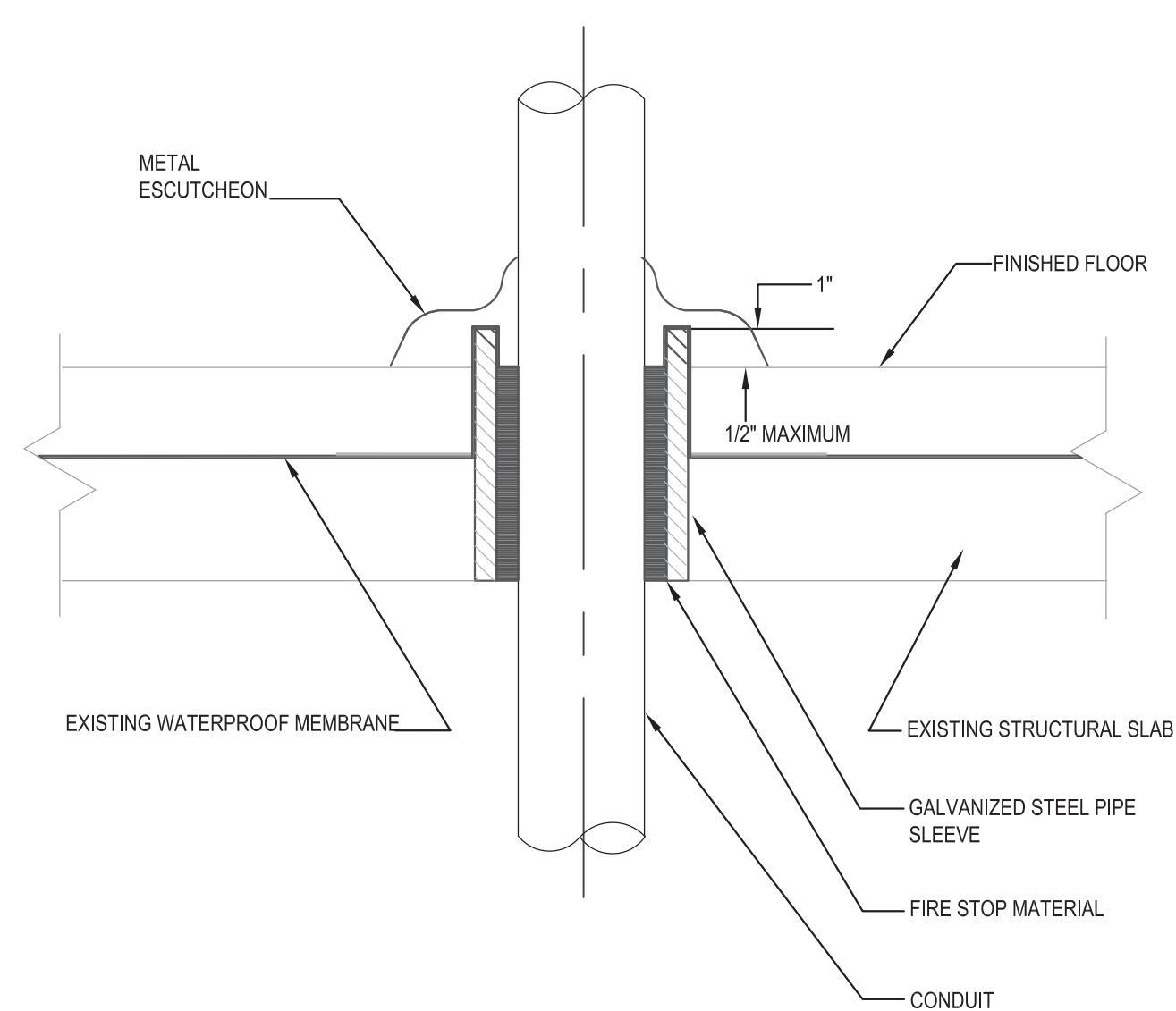
Sheet 46 of 47



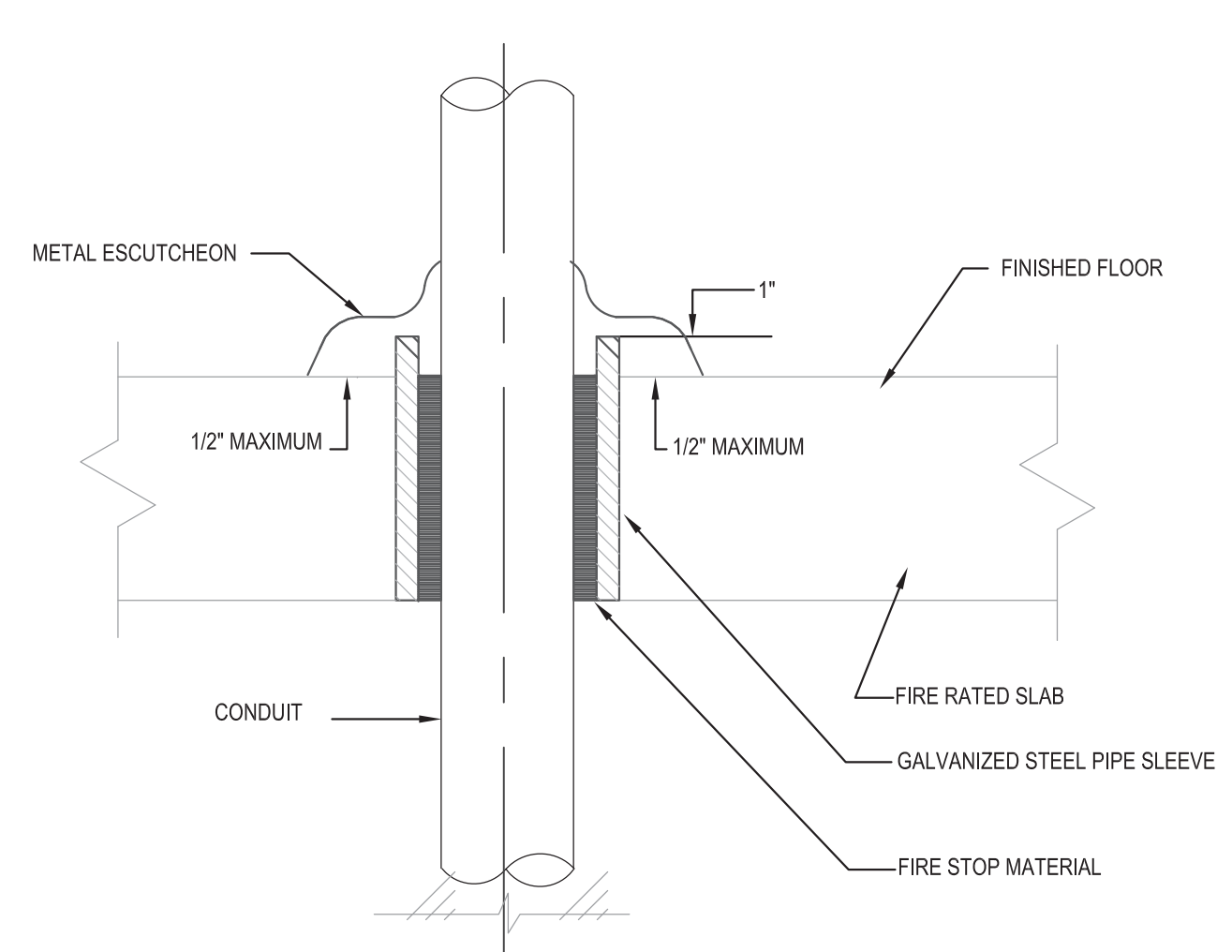
1 CONDUIT PENETRATION DETAIL THROUGH FIRE RATED GWB OR PLASTER PARTITION
SCALE: NTS



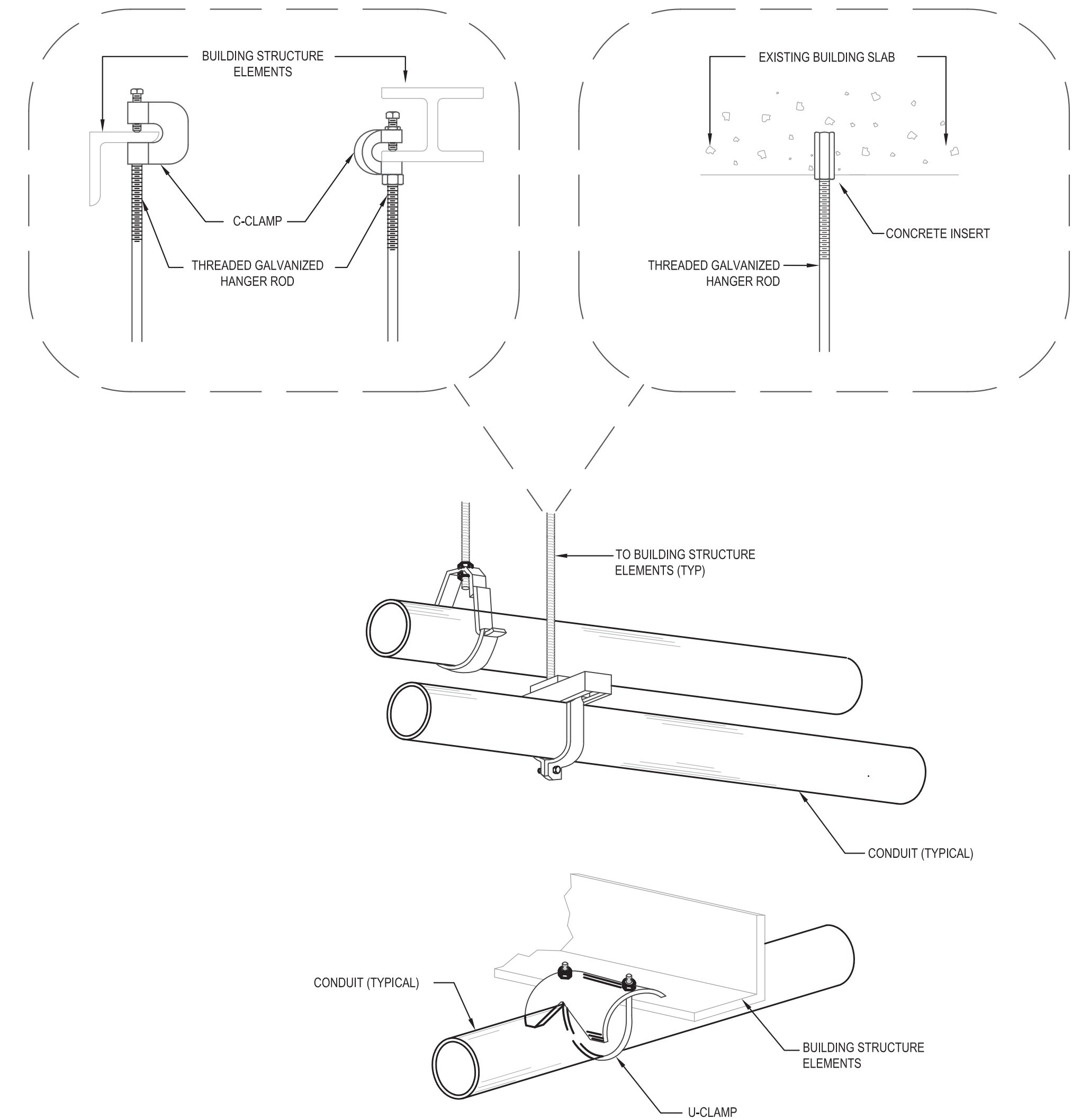
2 CONDUIT PENETRATION DETAIL THROUGH FIRE RATED SOLID WALL
SCALE: NTS



3 CONDUIT PENETRATION DETAIL THROUGH WATERPROOF SLAB
SCALE: NTS



4 CONDUIT PENETRATION DETAIL THROUGH FIRE RATED SLAB
SCALE: NTS



5 CONDUIT SUPPORT DETAILS SUSPENDED- SINGLE CONDUIT
SCALE: NTS



PROGRAM UNIT:

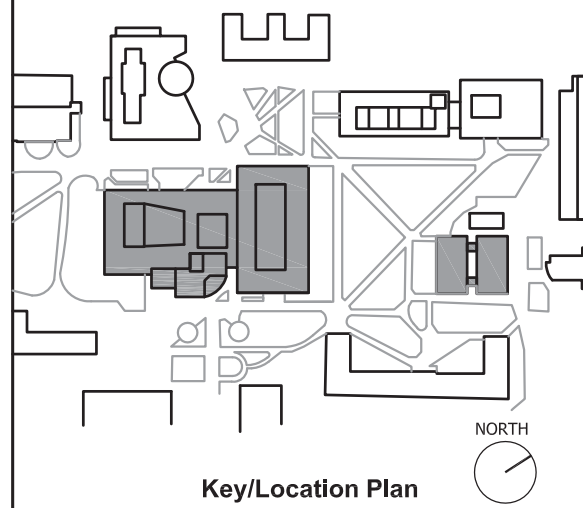


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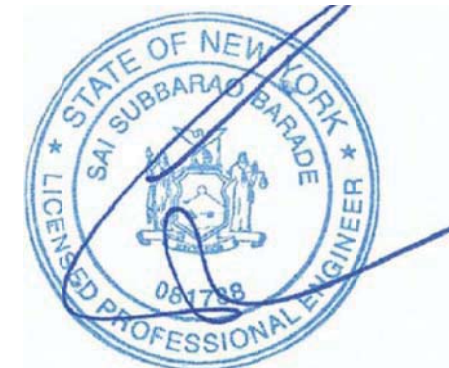
Contract Title:
ROOF REPLACEMENT - SMILEY ARTS,
COLLEGE THEATRE, DORSKY
MUSEUM AND FACULTY OFFICE
BUILDING

Project No.: 081047-00

Drawing Title:

ELECTRICAL DETAILS

Seal & Signature:



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Checked By:

Date: JANUARY 8, 2021

Scale: AS NOTED

Drawing No.:

E701.00

Sheet 47 of 47