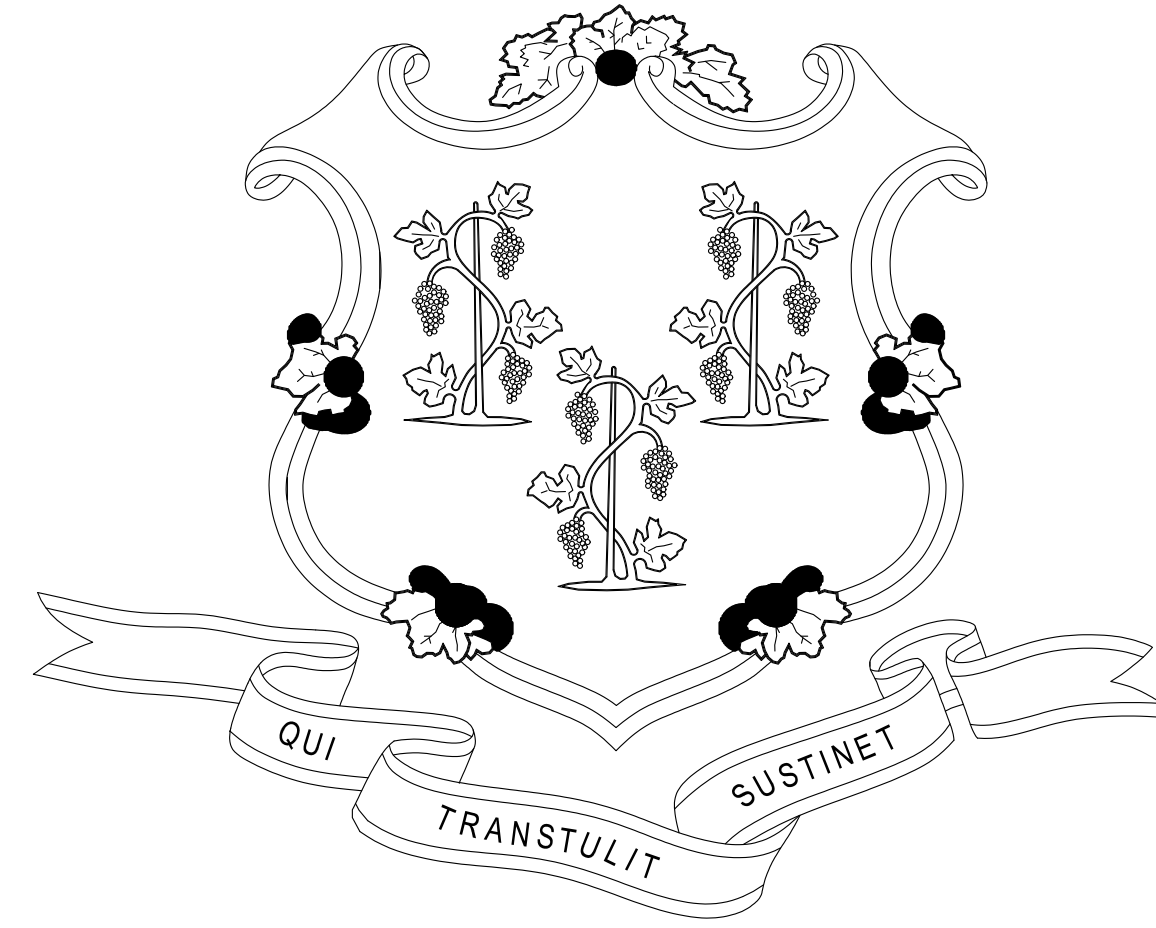


# STATE OF CONNECTICUT



## GOVERNOR NED LAMONT

DEPARTMENT OF ADMINISTRATIVE SERVICES  
JOSH GEBALLE  
COMMISSIONER

SOUTHERN CONNECTICUT STATE UNIVERSITY  
DR. JOSEPH A. BERTOLINO  
PRESIDENT

ROOF REPLACEMENT AT NEFF HALL & HICKERSON HALL  
SOUTHERN CONNECTICUT STATE UNIVERSITY  
NEW HAVEN, CONNECTICUT

PROJECT NO. CF-RS-365

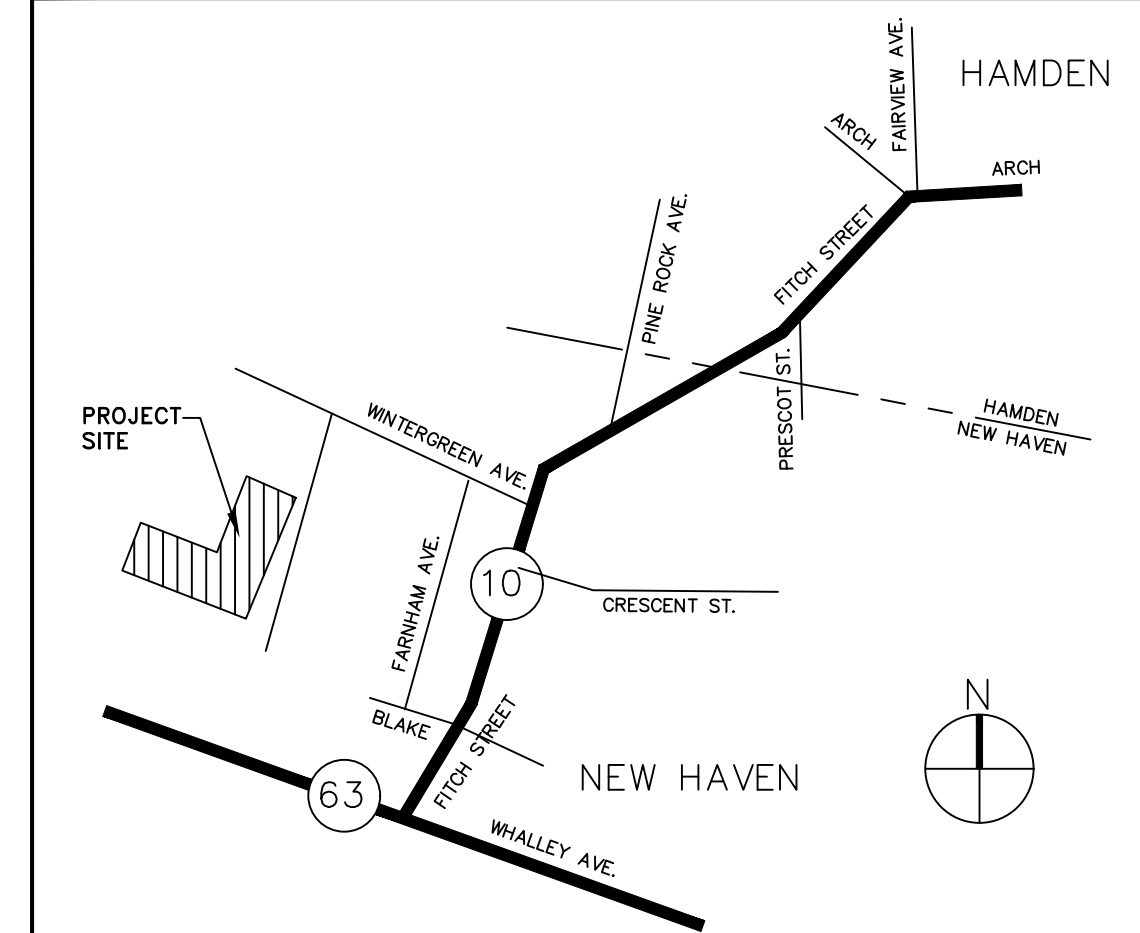
ARCHITECT:  
QUISENBERRY ARCARI MALIK, LLC  
195 SCOTT SWAMP ROAD  
FARMINGTON, CT, 06032  
860-677-4594

ENGINEER:  
RZ DESIGN ASSOCIATES, INC.  
750 OLD MAIN STREET  
ROCKY HILL, CT, 06067  
860-436-4336

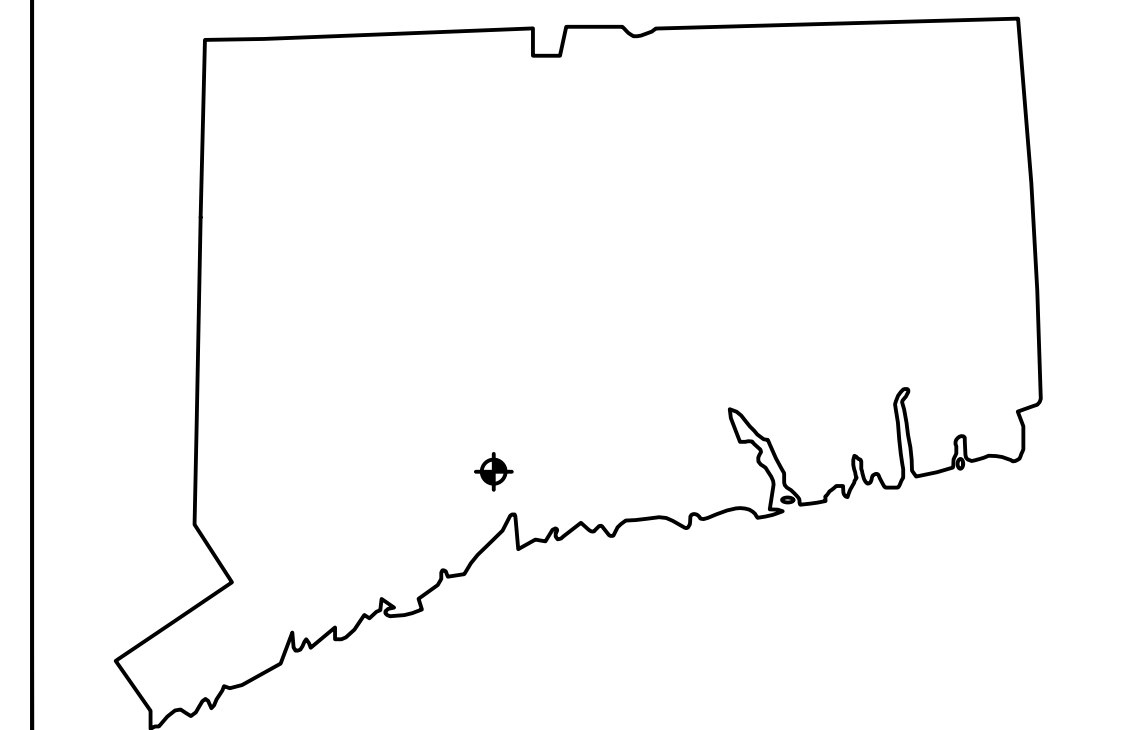
### CONTRACT DRAWINGS

NO.	TITLE
	COVER SHEET
G1.0	GENERAL NOTES
G1.1	BUILDING INFORMATION - NEFF HALL & HICKERSON HALL
A1.0	ROOF PLAN - NEFF HALL
A1.1	ROOF DETAILS - NEFF HALL
A1.2	ROOF DETAILS - NEFF HALL
A2.0	ROOF PLAN - HICKERSON HALL
A2.1	ROOF DETAILS - HICKERSON HALL
A2.2	ROOF DETAILS - HICKERSON HALL
ME1.1	MECHANICAL ELECTRICAL ROOF PLANS - NEFF HALL
ME2.1	MECHANICAL ELECTRICAL ROOF PLANS - HICKERSON HALL

D.C.S BUILDING NUMBER 41779 NEFF HALL  
D.C.S BUILDING NUMBER 41808 HICKERSON HALL



SITE PLAN



LOCATION PLAN

WIND UPLIFT RATINGS

Table with columns: BUILDING, ROOF AREA, HEIGHT ABOVE GRADE (FT), PREDOMINANT PLAN DIMENSIONS (FT), RATINGS (ZONE 1/2/3), ZONE 2 / PERIMETER DIMENSIONS (FT), ZONE 3 / CORNER DIMENSIONS (FT). Rows include NEFF HALL and HICKERSON HALL.

- 1. WIND SPEED (110 MPH), 3 SEC GUST\*
2. GROUND SURFACE ROUGHNESS (C)\*
3. IMPORTANCE FACTOR (1.15)\*
4. RISK CATEGORY - II (PER IBC TABLE 604.5)

\*INFORMATION PROVIDED BY FM GLOBAL PER DATA SHEET 1-28 WIND DESIGN

ABBREVIATIONS

Table mapping abbreviations to full names, including A.F.F. Above Finish Floor, A.C. Acoustic, Acoustical, A.C.T. Acoustical Tile, etc.

MECHANICAL NOTES

- 1. MECHANICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY THE ARCHITECT OF ANY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER INSTALLATION OF THE NEW SYSTEMS.
2. COORDINATE MECHANICAL WORK WITH THE WORK OF OTHER TRADES. DO NOT ALTER THE WORK OF PREVIOUS TRADES WITHOUT PRIOR APPROVAL.
3. PERFORM ALL NEW MECHANICAL WORK IN ACCORDANCE WITH 2018 CT STATE BUILDING CODE INCLUDING REFERENCED STANDARDS, CT AMENDMENTS AND ACCEPTED STANDARDS OF PRACTICE.

ELECTRICAL NOTES

- 1. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. COORDINATE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES. DO NOT ALTER THE WORK OF PREVIOUS TRADES WITHOUT PRIOR APPROVAL.
3. PERFORM ALL NEW ELECTRICAL WORK IN ACCORDANCE WITH 2018 CT STATE BUILDING CODE INCLUDING REFERENCED STANDARDS, CT AMENDMENTS AND ACCEPTED STANDARDS OF PRACTICE.
4. COORDINATE THE FINAL LOCATION OF ALL ELECTRICAL DEVICES AND THEIR INTENDED OPERATION WITH THE OWNER.

WARNING LINES

WARNING LINES FOR TRADES OTHER THAN ROOFERS

THE EMPLOYER MUST ENSURE THAT EACH EMPLOYEE ON A WALKING-WORKING SURFACE WITH AN UNPROTECTED SIDE OR EDGE THAT IS 4 FEET (1.2 M) OR MORE ABOVE A LOWER LEVEL IS PROTECTED FROM FALLING BY ONE OR MORE OF THE FOLLOWING:

- GUARDRAIL SYSTEMS; 1910.28(B)(1)(i)(A)
• SAFETY NET SYSTEMS; 1910.28(B)(1)(i)(B)
• PERSONAL FALL PROTECTION SYSTEMS, SUCH AS PERSONAL FALL ARREST, TRAVEL RESTRAINT, OR POSITIONING SYSTEMS; 1910.28(B)(1)(i)(C)

AT 15 FEET FROM THE EDGE, A WARNING LINE, COMBINED WITH EFFECTIVE WORK RULES, CAN BE EXPECTED TO PREVENT WORKERS FROM GOING PAST THE LINE AND APPROACHING THE EDGE. ALSO, AT THAT DISTANCE, THE FAILURE OF A BARRIER TO RESTRAIN A WORKER FROM UNINTENTIONALLY CROSSING IT WOULD NOT PLACE THE WORKER IN IMMEDIATE RISK OF FALLING OFF THE EDGE. THEREFORE, WE WILL APPLY A DE MINIMIS POLICY FOR NON-CONFORMING GUARDRAILS 15 OR MORE FEET FROM THE EDGE UNDER CERTAIN CIRCUMSTANCES. SPECIFICALLY, WE WILL CONSIDER THE USE OF CERTAIN PHYSICAL BARRIERS THAT FAIL TO MEET THE CRITERIA FOR A GUARDRAIL A DE MINIMIS VIOLATION OF THE GUARDRAIL CRITERIA IN §1926.502(B) WHERE ALL OF THE FOLLOWING ARE MET:

- 1. A WARNING LINE IS USED 15 FEET OR MORE FROM THE EDGE;
2. THE WARNING LINE MEETS OR EXCEEDS THE REQUIREMENTS IN §1926.502(F)(2);
3. NO WORK OR WORK-RELATED ACTIVITY IS TO TAKE PLACE IN THE AREA BETWEEN THE WARNING LINE AND THE EDGE;
4. THE EMPLOYER EFFECTIVELY IMPLEMENTS A WORK RULE PROHIBITING THE EMPLOYEES FROM GOING PAST THE WARNING LINE.

THE USE OF WARNING LINES CLOSER THAN 15 FEET FROM THE EDGE IS NOT PERMITTED AS A SUBSTITUTE FOR CONVENTIONAL FALL PROTECTION FOR THESE OTHER TRADES. FURTHERMORE, WHEN THESE OTHER TRADES USE A WARNING LINE SYSTEM IN ACCORDANCE WITH THE POLICY DESCRIBED ABOVE, THE WORKERS MUST USE CONVENTIONAL FALL PROTECTION WHEN THEY ARE OUTSIDE THE PROTECTION OF THE WARNING LINE SYSTEM.

PER OSHA 1926.502, IF MACHINERY IS TO BE USED IN THE WORK AREA, THE WARNING LINE MUST BE ERRECTED NO LESS THAN SIX FEET FROM THE ROOF EDGE PARALLEL TO THE EQUIPMENT'S LINE OF TRAVEL AND MUST BE TEN FEET FROM THE EDGE THAT IS PERPENDICULAR TO THE EQUIPMENT'S LINE OF TRAVEL.

ROOFERS

THE WARNING LINE SYSTEM SHALL CONSIST OF ROPES, WIRES, OR CHAINS, AND SUPPORTING STANCHIONS (29 CFR 1926.502(F)(2)). THE WARNING LINE SYSTEM SHALL:

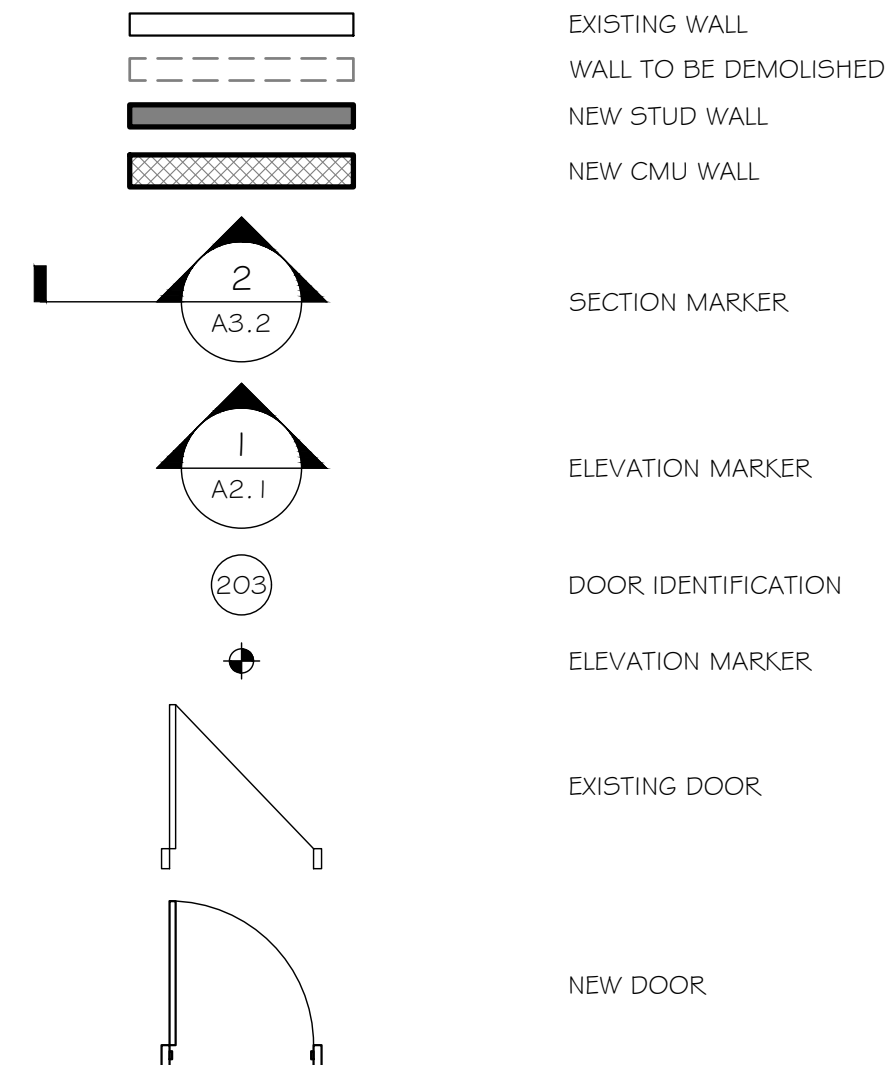
- BE ERRECTED NOT LESS THAN 6 FEET (1.8 M) FROM THE ROOF EDGE (29 CFR 1926.502(F)(1)(i));
• NOT LESS THAN 10 FEET WHEN MECHANICAL EQUIPMENT IS USED (29 CFR 1926.502(F)(1)(ii));
• THE WARNING LINE MEETS OR EXCEEDS THE REQUIREMENTS IN §1926.502(F)(2);
• NO WORK OR WORK-RELATED ACTIVITY IS TO TAKE PLACE IN THE AREA BETWEEN THE WARNING LINE AND THE HOLE OR EDGE;

§1926.501(B)(10) ALLOWS ROOFERS WORKING ON LOW-SLOPED ROOFS TO HAVE SEVERAL ADDITIONAL FALL PROTECTION OPTIONS. UNDER THAT SECTION, AN EMPLOYER MAY USE A COMBINATION OF WARNING LINES 6 FEET (AND IN SOME CASES 10 FEET) BACK FROM THE EDGE IN COMBINATION WITH SAFETY MONITORS

EACH EMPLOYEE ON A WALKINGWORKING SURFACE 6 FEET (1.8 M) OR MORE ABOVE A LOWER LEVEL WHERE LEADING EDGES ARE UNDER CONSTRUCTION, BUT WHO IS NOT ENGAGED IN THE LEADING EDGE WORK, SHALL BE PROTECTED FROM FALLING BY A GUARDRAIL SYSTEM, SAFETY NET SYSTEM, OR PERSONAL FALL ARREST SYSTEM. IF A GUARDRAIL SYSTEM IS CHOSEN TO PROVIDE THE FALL PROTECTION, AND A CONTROLLED ACCESS ZONE HAS ALREADY BEEN ESTABLISHED FOR LEADING EDGE WORK, THE CONTROL LINE MAY BE USED IN LIEU OF A GUARDRAIL ALONG THE EDGE THAT PARALLELS THE LEADING EDGE. 1926.501(B)(2)(ii)

EACH EMPLOYEE ON WALKINGWORKING SURFACES SHALL BE PROTECTED FROM FALLING THROUGH HOLES (INCLUDING SKYLIGHTS) MORE THAN 6 FEET (1.8 M) ABOVE LOWER LEVELS, BY PERSONAL FALL ARREST SYSTEMS, COVERS, OR GUARDRAIL SYSTEMS ERRECTED AROUND SUCH HOLES. (1926.501(B)(4)(i))

ARCHITECTURAL SYMBOLS



GENERAL NOTES

- 1. GENERAL CONTRACTOR TO NOTIFY ARCHITECT OF ANY INCONSISTENCIES IN THE DRAWINGS, EXISTING CONDITIONS OR THE PROPOSED CONSTRUCTION IMMEDIATELY.
2. GENERAL CONTRACTOR TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL BE HELD RESPONSIBLE FOR THE SAME.
3. ALL NOTES AND DIMENSIONS DESIGNATED AS "TYP." OR "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
4. SCALE IS PROVIDED ON DRAWINGS, DIMENSION LINES # NOTES SUPERSEDE ALL SCALED REFERENCES.
5. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD AND CENTERLINE OF STRUCTURAL STEEL COLUMNS UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

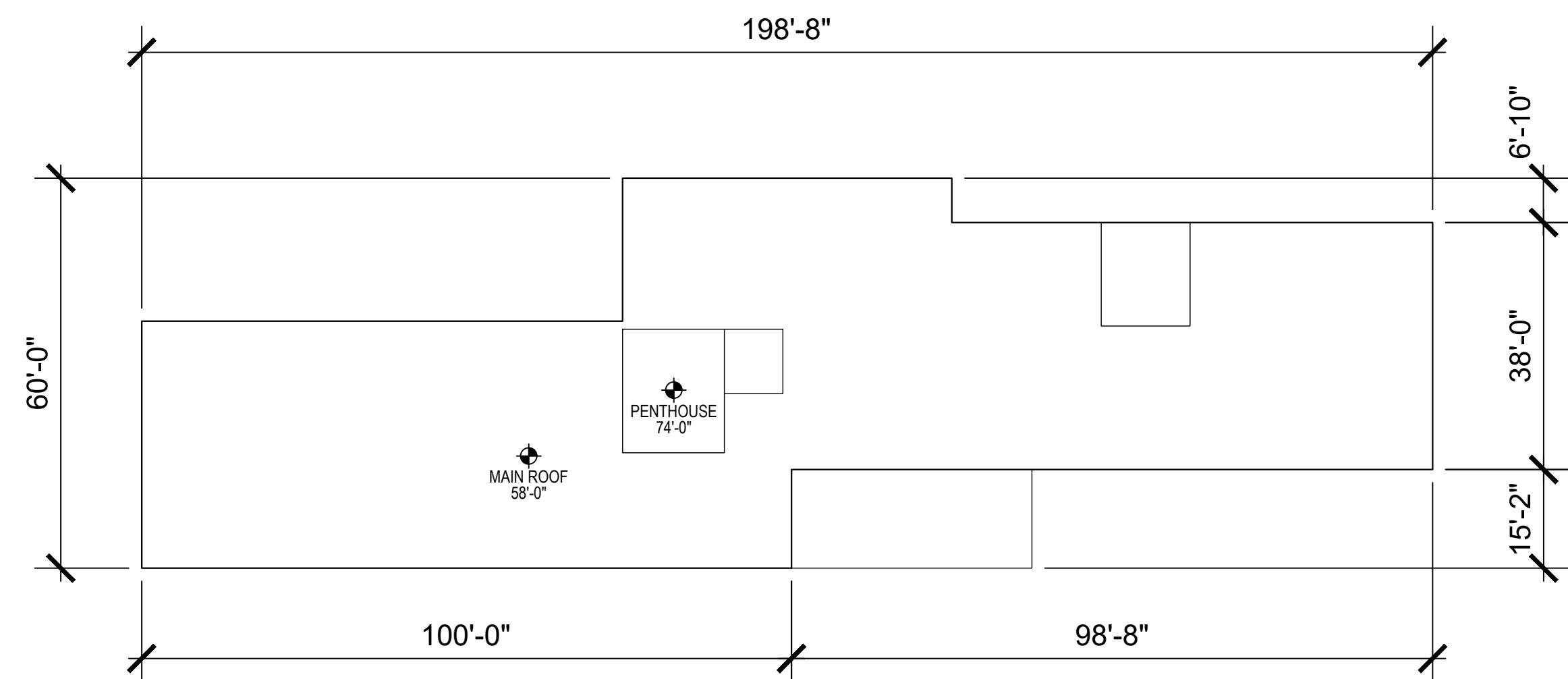
- 1. REMOVE ALL MATERIALS, ASSEMBLIES AND CONSTRUCTED ELEMENTS AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.
2. PROTECT ALL EXISTING FINISHES AND SPACES NOT AFFECTED BY THE CONSTRUCTION OR DIRECTLY ADJACENT TO THE CONSTRUCTION. ALL EXISTING FINISHES AFFECTED BY THE DEMOLITION WORK ARE TO BE RETURNED TO A STATE OF FINISH EQUIVALENT TO THAT PRIOR TO COMMENCEMENT OF THE WORK.
3. PROVIDE DUST-PROOF PARTITIONS SEPARATING THE DEMOLITION AND WORK AREAS FROM AREAS UNAFFECTED BY THE CONSTRUCTION.
4. CLEAN ALL AREAS OF THE PROJECT PERIODICALLY TO MAINTAIN A SAFE AND CLEAR WORKING ENVIRONMENT. PROVIDE FINAL CLEANING OF THE ENTIRE PROJECT SITE AT THE COMPLETION OF THE PROJECT WORK.
5. PROVIDE TEMPORARY SHORING OR BRACING AS REQUIRED TO PROPERLY COMPLETE THE WORK. COORDINATE SHORING WITH ALL SUB-CONTRACTORS, AND NOTIFY THE ARCHITECT OF ANY PROBLEMS OR CONCERNS IMMEDIATELY.
6. ENSURE THAT EXISTING MECHANICAL AND ELECTRICAL SYSTEMS CONTINUE TO FUNCTION AS PRACTICAL THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE WITH THE OWNER DIRECTLY ANY TIME PERIODS DURING WHICH ESSENTIAL SERVICES MAY BE NON-FUNCTIONING OR DISCONNECTED.
7. PROTECT PEDESTRIANS FROM FALLING MATERIALS & DEBRIS AT ALL MEANS OF EGRESS, EXIT DISCHARGE POINTS, ETC. G.C. TO SUBMIT DOCUMENTATION SHOWING COMPLIANCE WITH IBC CH 33 SAFEGUARDS DURING CONSTRUCTION
8. REFER TO SPEC SECTION 02 41 19 SELECTIVE DEMOLITION FOR FURTHER INFORMATION

SITE WORK

- 1. GUTTERS AND DOWNSPOUTS SHALL DISCHARGE AT PERIMETER DRAIN IF PROVIDED OR AT GUTTER SPLASH BLOCKS

METALS

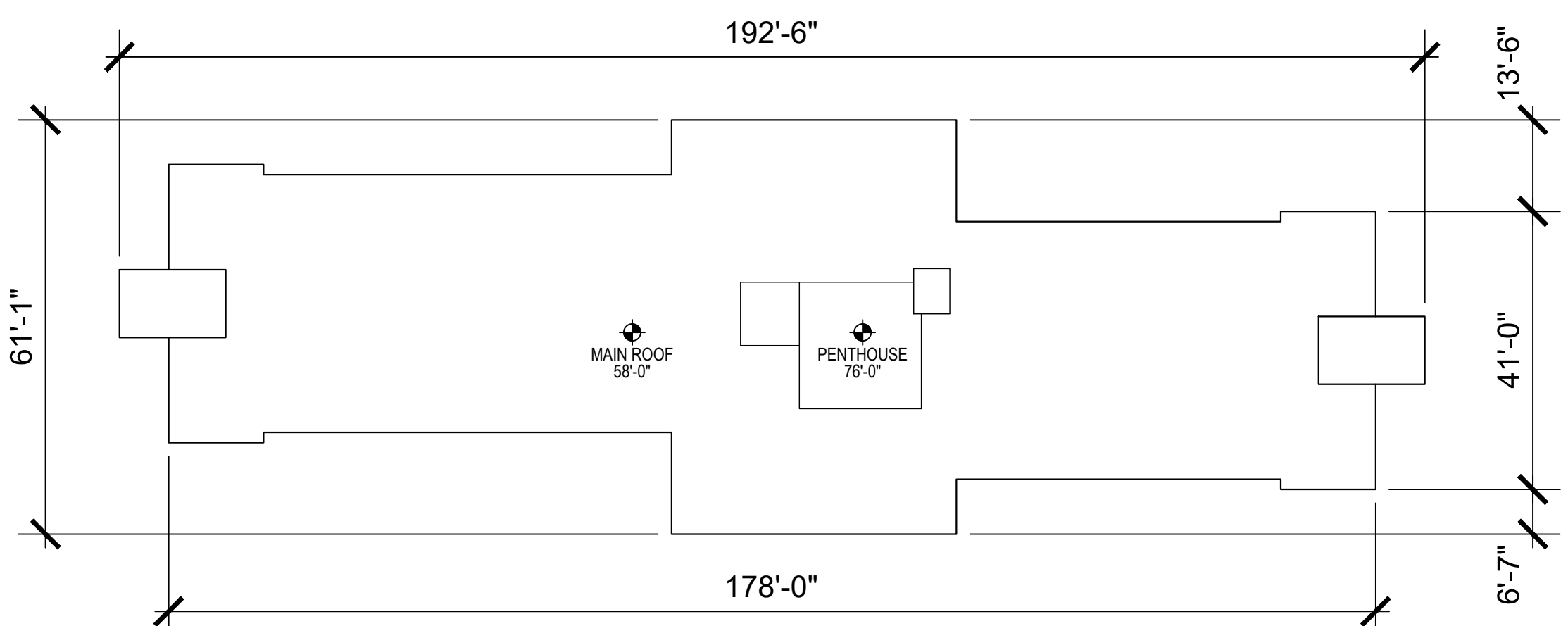
- 1. STRUCTURAL STEEL COMPONENTS SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AS ADOPTED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATIONS A-36. STEEL FOR PIPE COLUMNS SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATIONS A-501.
3. ALL STEEL-TO-STEEL CONNECTIONS SHALL BE FABRICATED IN ACCORDANCE WITH INDUSTRY STANDARD PRACTICES FOR BOLTED OR WELDED CONNECTIONS.



ROOF AREA HEIGHTS: MAIN AREA - 58'-0" PENTHOUSE - 74'-0"

OVERALL DIMENSIONS - HICKERSON

SCALE: N.T.S.



ROOF AREA HEIGHTS: MAIN AREA - 58'-0" PENTHOUSE - 76'-0"

OVERALL DIMENSIONS - NEFF

SCALE: N.T.S.

Table containing drawing title, general notes, professional seal, revisions table, and state of Connecticut department of administrative services information including project name and scale G1.0.

3011 Building Information For Code Analyses Page 5 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**PART 2 - CONNECTICUT STATE FIRE SAFETY CODE**

1.0 CLASSIFICATION OF OCCUPANCY: R-2

2.0 CONSTRUCTION CLASSIFICATION: Type 2

3.0 MINIMUM CONSTRUCTION TYPE REQUIRED: 2A

4.0 ACTUAL CONSTRUCTION TYPE PROVIDED: 2A

5.0 NOTIFICATION/ALARMS: Y

6.0 DETECTION: Y

7.0 EXTINGUISHMENT REQUIREMENTS: Automatic Sprinkler System

EVD  
BUILDING INFORMATION FOR CODE ANALYSES

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 4 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**CONSTRUCTION INFORMATION**

5.0 MEANS OF EGRESS:

5.1 Total Occupant Load (Entire Building) 255

5.2 Total Occupant Load (Largest Floor) 45

5.3 Total Capacity Of Exits 1988

5.4 Total Number of Exits 5

6.0 FIRE RESISTANT RATING OF STRUCTURE ELEMENTS (TABLES 601 and 602) REFER TO CONSTRUCTION DOCUMENTS FOR THE FOLLOWING:

6.1 Exterior Walls:

6.1.1 Load Bearing 2 HR(S)

6.1.2 Non-load Bearing 0 HR(S)

6.2 Fire Walls & Party Walls n/a HR(S)

6.3 Fire Separation Assemblies:

6.3.1 Fire enclosure of egress 2 HR(S)

6.3.2 Shafts 2 HR(S)

6.3.3 Mixed Use Separation n/a HR(S)

6.3.4 Other Separation Assemblies 1 HR(S)

6.4 Fire Partitions 1/2 HR(S)

6.5 Dwelling Unit Separations 1 HR(S)

6.6 Smoke Barriers n/a HR(S)

6.7 Other Non bearing Partitions 0 HR(S)

6.8 Interior Bearing Walls, Bearing Partitions, Columns, Girders, Trusses and Framing:

6.8.1 Supporting more than one floor 2 HR(S)

6.8.2 Supporting one floor only or a roof 1/2 HR(S)

6.8.3 Structural Members Supporting Wall 1/2 HR(S)

6.9 Floor Construction Including Beams 1/2 HR(S)

6.10 Roof Construction:

6.10.1 15 ft. or less 1 HR(S)

6.10.2 15 ft. or more: n/a HR(S)

6.10.3 >20 ft. or more: n/a HR(S)

\*Height to lowest member.

7.0 FIRE PROTECTION SYSTEM:

7.1 Fire Suppression System Y

7.2 Alarms Y

7.3 Automatic Fire Detector System Y

7.4 Smoke Control System N

7.5 Supervision Y

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 3 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**CASE 4 - MIXED OCCUPANCY, MULTISTORY (506.2.4)**

Using Table 504.3, 504.4 and 506.2, identify the allowable height, stories and area of each of the separated uses within the building. For buildings with more than three stories above grade plane, the total building area shall be such that the aggregate sum of the ratios of the actual area of each story divided by the allowable area of such stories, determined in accordance with Equation below based on the applicable provisions of Section 506.1, shall not exceed three.

$A_{T, A} \leq [NS \times I]$

Tabular Allowable area factor,  $A_i$  (Table 506.2) 72,000 sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) 24,000 sf

Increase for frontage,  $I_i$  (506.3.3) 25%

Allowable Area,  $A_i$  78,000 sf

**MEZZANINES (506)**

Area limitation (505.2.1) \_\_\_\_\_ Openness (505.2.3) \_\_\_\_\_

Egress (505.2.2) \_\_\_\_\_ Equipment platforms (505.3) \_\_\_\_\_

**UNLIMITED AREA BUILDINGS (507)**

Nonsprinklered, one-story (507.3) \_\_\_\_\_ High-hazard use groups (507.8) \_\_\_\_\_

Sprinklered, one-story (507.4) \_\_\_\_\_ Aircraft paint hangar (507.10) \_\_\_\_\_

Two-story (507.5) \_\_\_\_\_ Group E buildings (507.11) \_\_\_\_\_

Reduced open space (507.2.1) \_\_\_\_\_ Motion picture theaters (507.12) \_\_\_\_\_

Group A-3 buildings (507.6 and 507.7) \_\_\_\_\_

**SPECIAL PROVISIONS (510)**

Special condition applicable (510.1) \_\_\_\_\_

Description: \_\_\_\_\_

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 2 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**CASE 1 - SINGLE OCCUPANCY, ONE-STORY (506.2.1)**

Using Tables 504.3, 504.4 and 506.2, identify the allowable height, stories and area of the single occupancy. The allowable area of a single-occupancy building with no more than one story above grade plane shall be determined in accordance with:

$A_{T, A} \leq [NS \times I]$

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Allowable Area,  $A_i$  sf

**CASE 2 - SINGLE OCCUPANCY, MULTISTORY (506.2.3)**

Using Tables 504.3, 504.4 and 506.2, identify the allowable height, stories and area of the single occupancy. The allowable area of a single-occupancy building with more than one story above grade plane shall be determined in accordance with:

$A_{T, A} \leq [A_i + (NS \times I)] \times S_i$

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Actual stories above grade plane,  $S_i$  stories

Allowable Area,  $A_i$  sf

**CASE 3 - MIXED OCCUPANCY, ONE-STORY (506.2.2)**

Using Table 504.3, 504.4 and 506.2, identify the allowable height, stories and area of each of the separated uses within the building. The allowable area of a mixed-occupancy building with no more than one story above grade plane shall be determined for each applicable occupancy type.

$A_{T, A} \leq [NS \times I]$  per occupancy

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Allowable Area,  $A_i$  sf

$A_{T, A} \leq [NS \times I]$  per occupancy (copy table as needed)

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Allowable Area,  $A_i$  sf

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 1 of 5

State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
Office of State Building Inspector  
450 Columbus Blvd., Suite 1303  
Hartford, CT 06103

Project Number: CF-RS-365  
Project Name: Neff Hall and Hickerson Hall - Roof Replacement at SCSU (Hickerson Hall)  
Project Location: 112 Wintergreen Ave., New Haven, CT

Date: 06/16/23

The information on this form is intended to support the plan review process and is for archival purposes. If assemblies of code related information into one table. The information shall be placed on the drawings and become a permanent record of the code information applicable to this building. 2015 International Building Code portion of the 2018 Connecticut State Building Code.

**PART 1 - CT STATE BUILDING CODE**

1.0 EXISTING BUILDING:

1.1 Continuation of Existing Use  YES  NO  N/A

1.2 Change of Use  YES  NO  N/A

1.3 Complying with International Existing Building Code  YES  NO  N/A

2.0 NEW BUILDINGS OR ADDITIONS:

2.1 Exceeds Threshold Building Limits  YES  NO  N/A

3.0 OCCUPANCY CLASSIFICATION: R-2

4.0 HEIGHT AND AREA COMPUTATION + CONSTRUCTION TYPE: N/A

**GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)**

Use Case 1 to determine the allowable height and area and permitted types of construction for the building containing a single occupancy, grade building. Use Case 2 to determine the allowable height and area and permitted types of construction for the building containing a grade occupancy, multistory building. Use Case 3 to determine the allowable height and area and permitted types of construction for the building containing a grade occupancy, grade building. Use Case 4 to determine the allowable height and area and permitted types of construction for the building containing a grade occupancy, multistory building.

DETERMINE CONSTRUCTION TYPE	FRONTAGE INCREASE
Actual building area 51,000 sq ft (506.3)	Frontage 60 North 198 East 60 West
Allowable area (Table 506.2) 72,000 sq ft	Total Frontage (F) 288 ft Perimeter (P) 516 ft
Actual building height 56 feet 8 stories	Width of open space (W) (506.3.2) = 30 ft
Allowable building height (Tables 504.3 and 504.4) 85 feet 5 stories	Frontage increase (I <sub>i</sub> ) (506.3.3) = 25 %
Permitted construction types 2A	
Type of construction assumed for review (602.1.1) 2A	
	$I = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

HICKERSON HALL

3011 Building Information For Code Analyses Page 5 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**PART 2 - CONNECTICUT STATE FIRE SAFETY CODE**

1.0 CLASSIFICATION OF OCCUPANCY: R-2

2.0 CONSTRUCTION CLASSIFICATION: Type 2

3.0 MINIMUM CONSTRUCTION TYPE REQUIRED: 2A

4.0 ACTUAL CONSTRUCTION TYPE PROVIDED: 2A

5.0 NOTIFICATION/ALARMS: Y

6.0 DETECTION: Y

7.0 EXTINGUISHMENT REQUIREMENTS: Automatic Sprinkler System

EVD  
BUILDING INFORMATION FOR CODE ANALYSES

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 4 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**CONSTRUCTION INFORMATION**

5.0 MEANS OF EGRESS:

5.1 Total Occupant Load (Entire Building) 275

5.2 Total Occupant Load (Largest Floor) 71

5.3 Total Capacity Of Exits 893

5.4 Total Number of Exits 4

6.0 FIRE RESISTANT RATING OF STRUCTURE ELEMENTS (TABLES 601 and 602) REFER TO CONSTRUCTION DOCUMENTS FOR THE FOLLOWING:

6.1 Exterior Walls:

6.1.1 Load Bearing 2 HR(S)

6.1.2 Non-load Bearing 0 HR(S)

6.2 Fire Walls & Party Walls n/a HR(S)

6.3 Fire Separation Assemblies:

6.3.1 Fire enclosure of egress 2 HR(S)

6.3.2 Shafts 2 HR(S)

6.3.3 Mixed Use Separation n/a HR(S)

6.3.4 Other Separation Assemblies 1 HR(S)

6.4 Fire Partitions 1/2 HR(S)

6.5 Dwelling Unit Separations 1 HR(S)

6.6 Smoke Barriers n/a HR(S)

6.7 Other Non bearing Partitions 0 HR(S)

6.8 Interior Bearing Walls, Bearing Partitions, Columns, Girders, Trusses and Framing:

6.8.1 Supporting more than one floor 2 HR(S)

6.8.2 Supporting one floor only or a roof 1/2 HR(S)

6.8.3 Structural Members Supporting Wall 1/2 HR(S)

6.9 Floor Construction Including Beams 1/2 HR(S)

6.10 Roof Construction:

6.10.1 15 ft. or less 1 HR(S)

6.10.2 15 ft. or more: n/a HR(S)

6.10.3 >20 ft. or more: n/a HR(S)

\*Height to lowest member.

7.0 FIRE PROTECTION SYSTEM:

7.1 Fire Suppression System Y

7.2 Alarms Y

7.3 Automatic Fire Detector System Y

7.4 Smoke Control System N

7.5 Supervision Y

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 3 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**CASE 4 - MIXED OCCUPANCY, MULTISTORY (506.2.4)**

Using Table 504.3, 504.4 and 506.2, identify the allowable height, stories and area of each of the separated uses within the building. For buildings with more than three stories above grade plane, the total building area shall be such that the aggregate sum of the ratios of the actual area of each story divided by the allowable area of such stories, determined in accordance with Equation below based on the applicable provisions of Section 506.1, shall not exceed three.

$A_{T, A} \leq [NS \times I]$

Tabular Allowable area factor,  $A_i$  (Table 506.2) 72,000 sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) 24,000 sf

Increase for frontage,  $I_i$  (506.3.3) 25%

Allowable Area,  $A_i$  78,000 sf

**MEZZANINES (506)**

Area limitation (505.2.1) \_\_\_\_\_ Openness (505.2.3) \_\_\_\_\_

Egress (505.2.2) \_\_\_\_\_ Equipment platforms (505.3) \_\_\_\_\_

**UNLIMITED AREA BUILDINGS (507)**

Nonsprinklered, one-story (507.3) \_\_\_\_\_ High-hazard use groups (507.8) \_\_\_\_\_

Sprinklered, one-story (507.4) \_\_\_\_\_ Aircraft paint hangar (507.10) \_\_\_\_\_

Two-story (507.5) \_\_\_\_\_ Group E buildings (507.11) \_\_\_\_\_

Reduced open space (507.2.1) \_\_\_\_\_ Motion picture theaters (507.12) \_\_\_\_\_

Group A-3 buildings (507.6 and 507.7) \_\_\_\_\_

**SPECIAL PROVISIONS (510)**

Special condition applicable (510.1) \_\_\_\_\_

Description: \_\_\_\_\_

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 2 of 5

Date: \_\_\_\_\_  
Project Number: \_\_\_\_\_

**CASE 1 - SINGLE OCCUPANCY, ONE-STORY (506.2.1)**

Using Tables 504.3, 504.4 and 506.2, identify the allowable height, stories and area of the single occupancy. The allowable area of a single-occupancy building with no more than one story above grade plane shall be determined in accordance with:

$A_{T, A} \leq [NS \times I]$

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Allowable Area,  $A_i$  sf

**CASE 2 - SINGLE OCCUPANCY, MULTISTORY (506.2.3)**

Using Tables 504.3, 504.4 and 506.2, identify the allowable height, stories and area of the single occupancy. The allowable area of a single-occupancy building with more than one story above grade plane shall be determined in accordance with:

$A_{T, A} \leq [A_i + (NS \times I)] \times S_i$

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Actual stories above grade plane,  $S_i$  stories

Allowable Area,  $A_i$  sf

**CASE 3 - MIXED OCCUPANCY, ONE-STORY (506.2.2)**

Using Table 504.3, 504.4 and 506.2, identify the allowable height, stories and area of each of the separated uses within the building. The allowable area of a mixed-occupancy building with no more than one story above grade plane shall be determined for each applicable occupancy type.

$A_{T, A} \leq [NS \times I]$  per occupancy

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Allowable Area,  $A_i$  sf

$A_{T, A} \leq [NS \times I]$  per occupancy (copy table as needed)

Tabular Allowable area factor,  $A_i$  (Table 506.2) sf

NS Tabular Allowable area factor, regardless of whether building is sprinklered (Table 506.2) sf

Increase for frontage,  $I_i$  (506.3.3) %

Allowable Area,  $A_i$  sf

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

3011 Building Information For Code Analyses Page 1 of 5

State of Connecticut  
Department of Administrative Services  
Division of Construction Services  
Office of State Building Inspector  
450 Columbus Blvd., Suite 1303  
Hartford, CT 06103

Project Number: CF-RS-365  
Project Name: Neff Hall and Hickerson Hall - Roof Replacement at SCSU (Neff Hall)  
Project Location: 100 Wintergreen Ave., New Haven, CT

Date: 06/16/23

The information on this form is intended to support the plan review process and is for archival purposes. If assemblies of code related information into one table. The information shall be placed on the drawings and become a permanent record of the code information applicable to this building. 2015 International Building Code portion of the 2018 Connecticut State Building Code.

**PART 1 - CT STATE BUILDING CODE**

1.0 EXISTING BUILDING:

1.1 Continuation of Existing Use  YES  NO  N/A

1.2 Change of Use  YES  NO  N/A

1.3 Complying with International Existing Building Code  YES  NO  N/A

2.0 NEW BUILDINGS OR ADDITIONS:

2.1 Exceeds Threshold Building Limits  YES  NO  N/A

3.0 OCCUPANCY CLASSIFICATION: R-2

4.0 HEIGHT AND AREA COMPUTATION + CONSTRUCTION TYPE: N/A

**GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)**

Use Case 1 to determine the allowable height and area and permitted types of construction for the building containing a single occupancy, grade building. Use Case 2 to determine the allowable height and area and permitted types of construction for the building containing a grade occupancy, multistory building. Use Case 3 to determine the allowable height and area and permitted types of construction for the building containing a grade occupancy, grade building. Use Case 4 to determine the allowable height and area and permitted types of construction for the building containing a grade occupancy, multistory building.

DETERMINE CONSTRUCTION TYPE	FRONTAGE INCREASE
Actual building area 55,000 sq ft (506.3)	Frontage 192 North 60 East 192 West
Allowable area (Table 506.2) 72,000 sq ft	Total Frontage (F) 282 ft Perimeter (P) 504 ft
Actual building height 48 feet 5 stories	Width of open space (W) (506.3.2) = 30 ft
Allowable building height (Tables 504.3 and 504.4) 85 feet 5 stories	Frontage increase (I <sub>i</sub> ) (506.3.3) = 25 %
Permitted construction types 2A	
Type of construction assumed for review (602.1.1) 2A	
	$I = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$

CT DAS-3011 (Rev. 11.10.20) 3000 - Design Phase Forms

NEFF HALL

drawing title <b>BUILDING INFORMATION NEFF HALL &amp; HICKERSON HALL</b>	drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b> 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT	date 11/22/2021	scale AS NOTED	drawn by AMT	drawing no.
professional seal	REVISIONS	project no. CF-RS-365	G1.1		
mark	date	description			

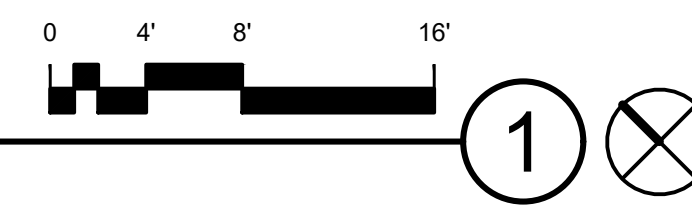
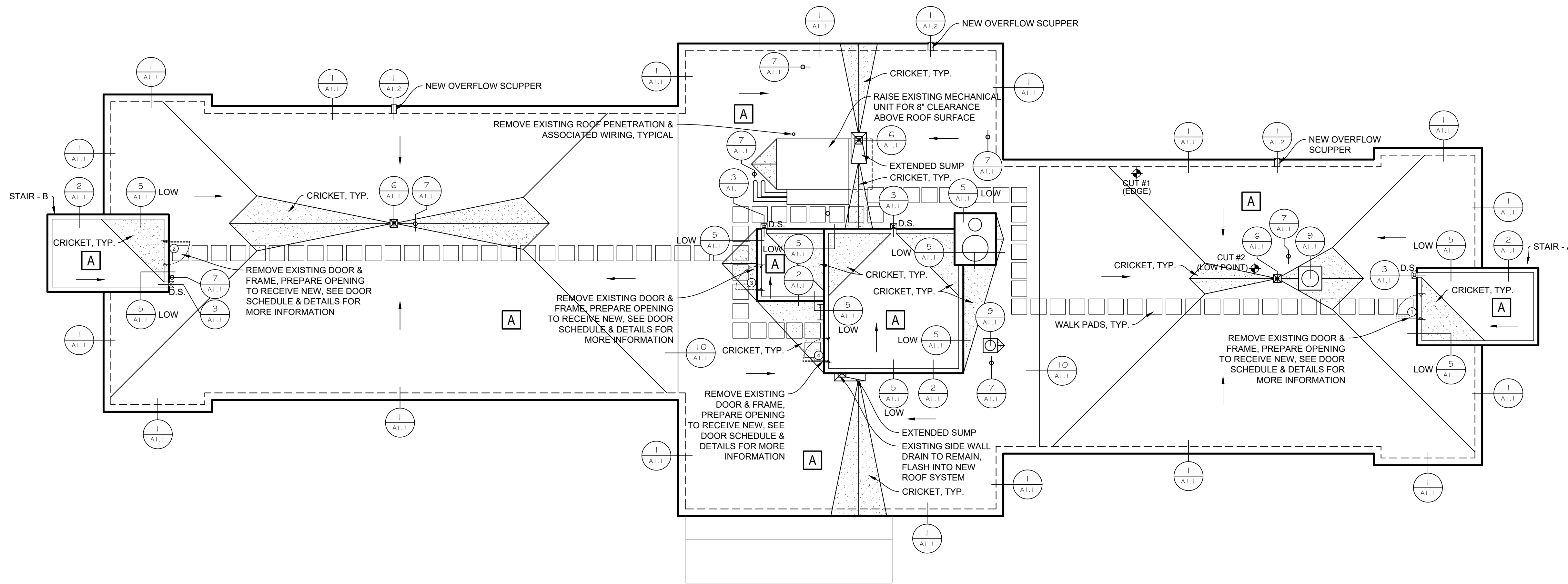
EXISTING ROOFING (ROOF CUTS)

- CUT #1 (EDGE)  
LAYERS TO BE REMOVED  
- EPDM ROOF MEMBRANE  
- NO COVER BOARD  
- TAPERED INSULATION, 8.5" THICK (MECHANICALLY FASTENED)  
- VAPOR BARRIER  
- EXISTING CONCRETE PLANK DECK
- CUT #2 (LOW POINT)  
LAYERS TO BE REMOVED  
- EPDM ROOF MEMBRANE  
- NO COVER BOARD  
- TAPERED INSULATION, 3.5" THICK (MECHANICALLY FASTENED)  
- VAPOR BARRIER  
- EXISTING CONCRETE PLANK DECK

ROOF PLAN KEY

- A** - EXISTING CONCRETE PLANK DECK  
- RIGID INSULATION, 4" MIN. (2 - 2" LAYERS)  
- TAPERED INSULATION 1/2" PER FOOT, 1.5" MIN. EDGE THICKNESS)  
- 1/2" RECOVERY BOARD  
- FULLY ADHERED EPDM ROOF SYSTEM (30 YEAR WARRANTY)
- CRICKET 1/2" PER FOOT

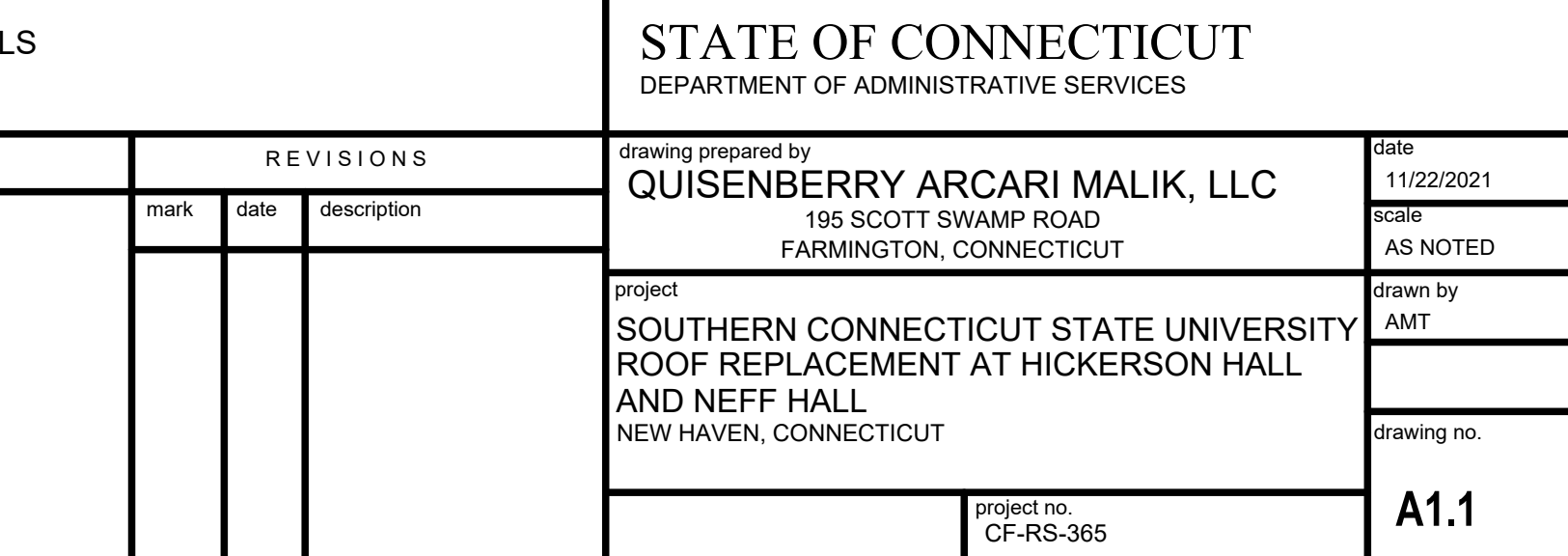
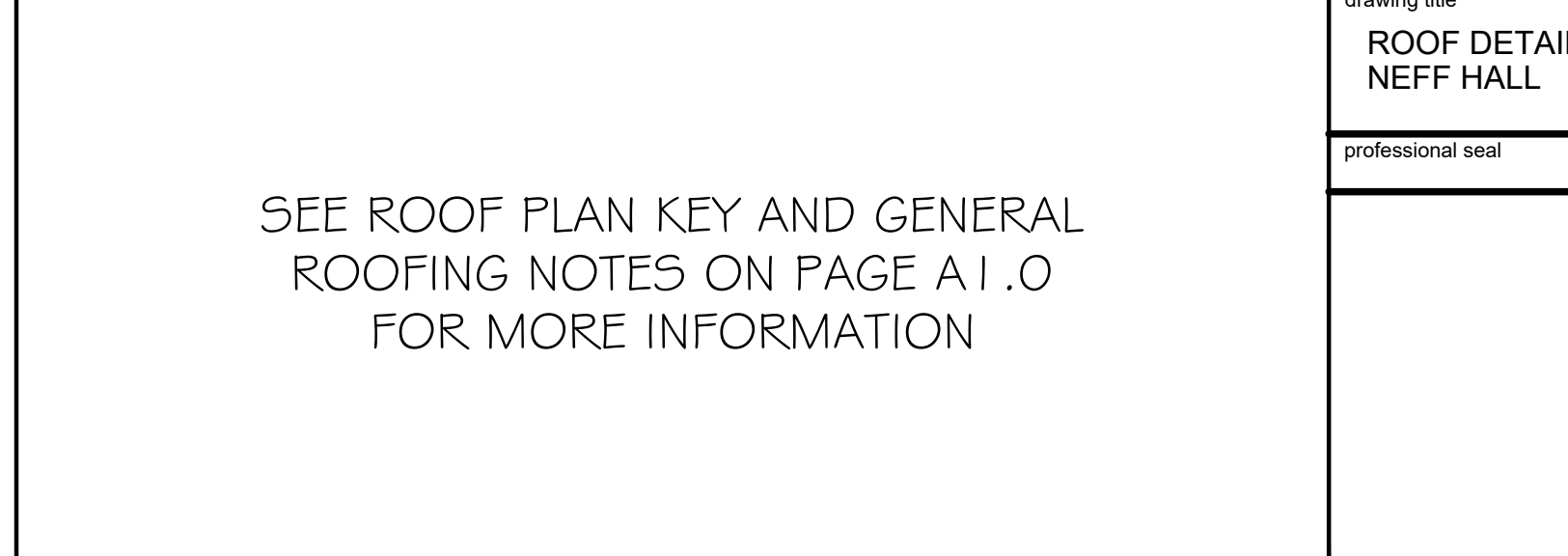
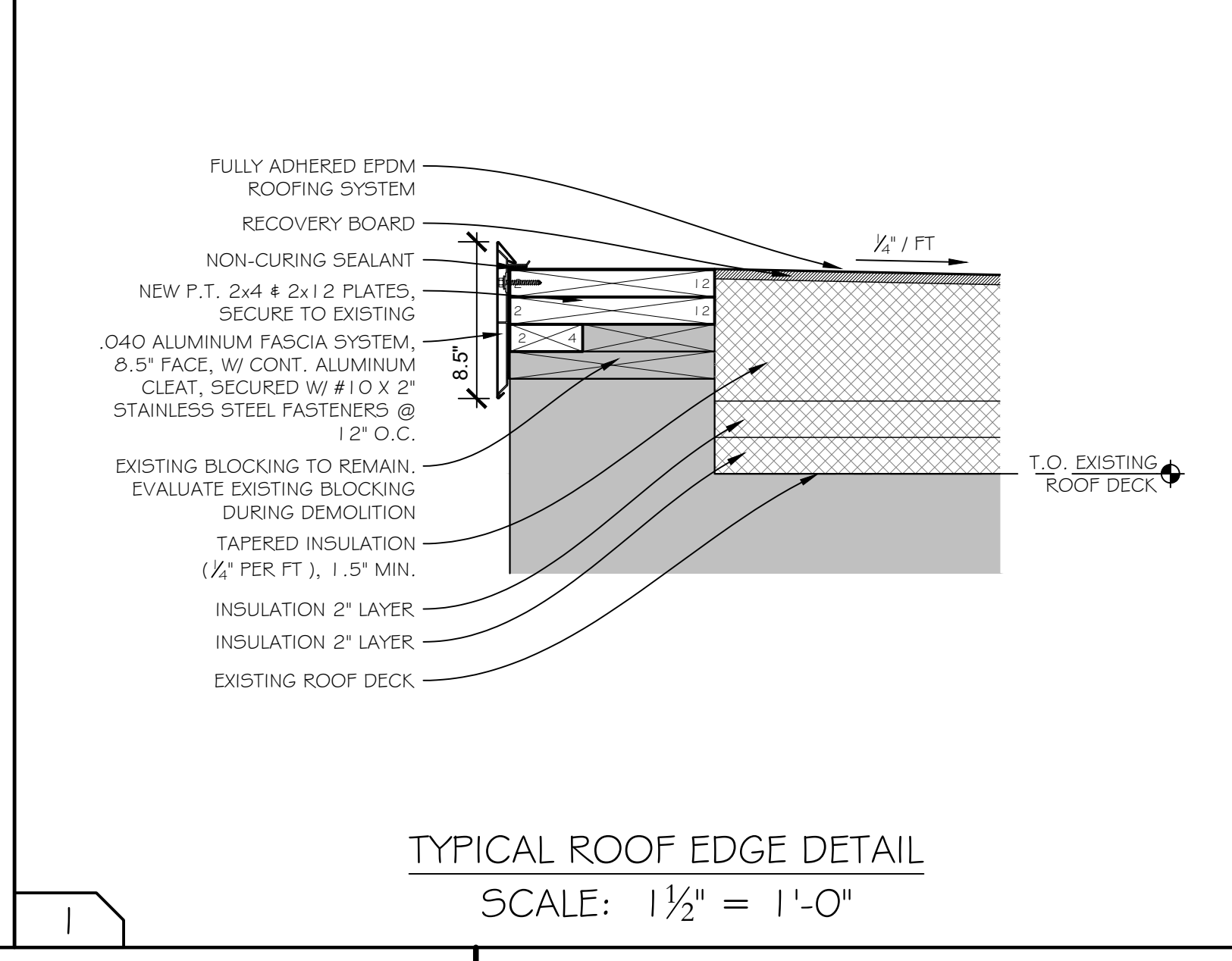
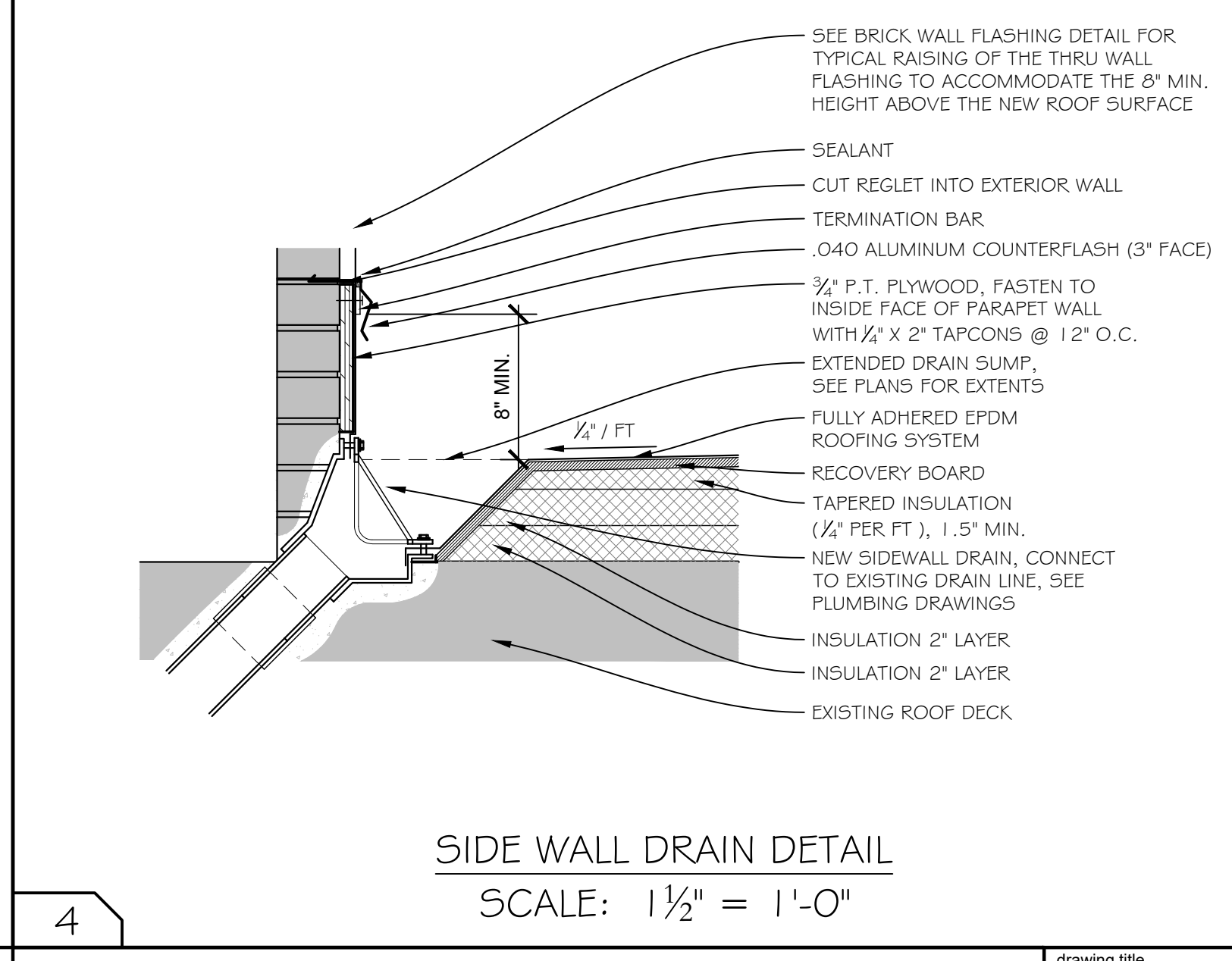
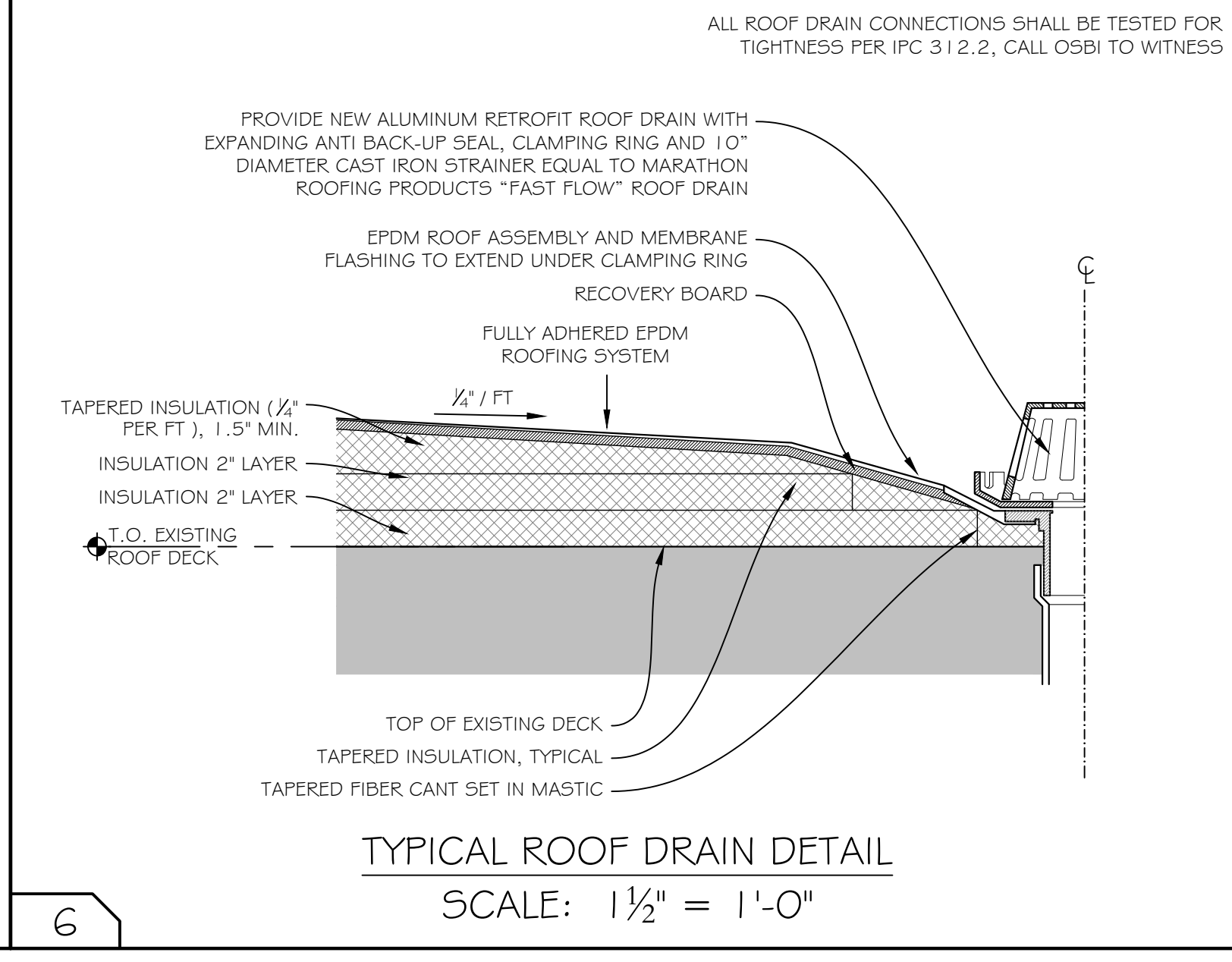
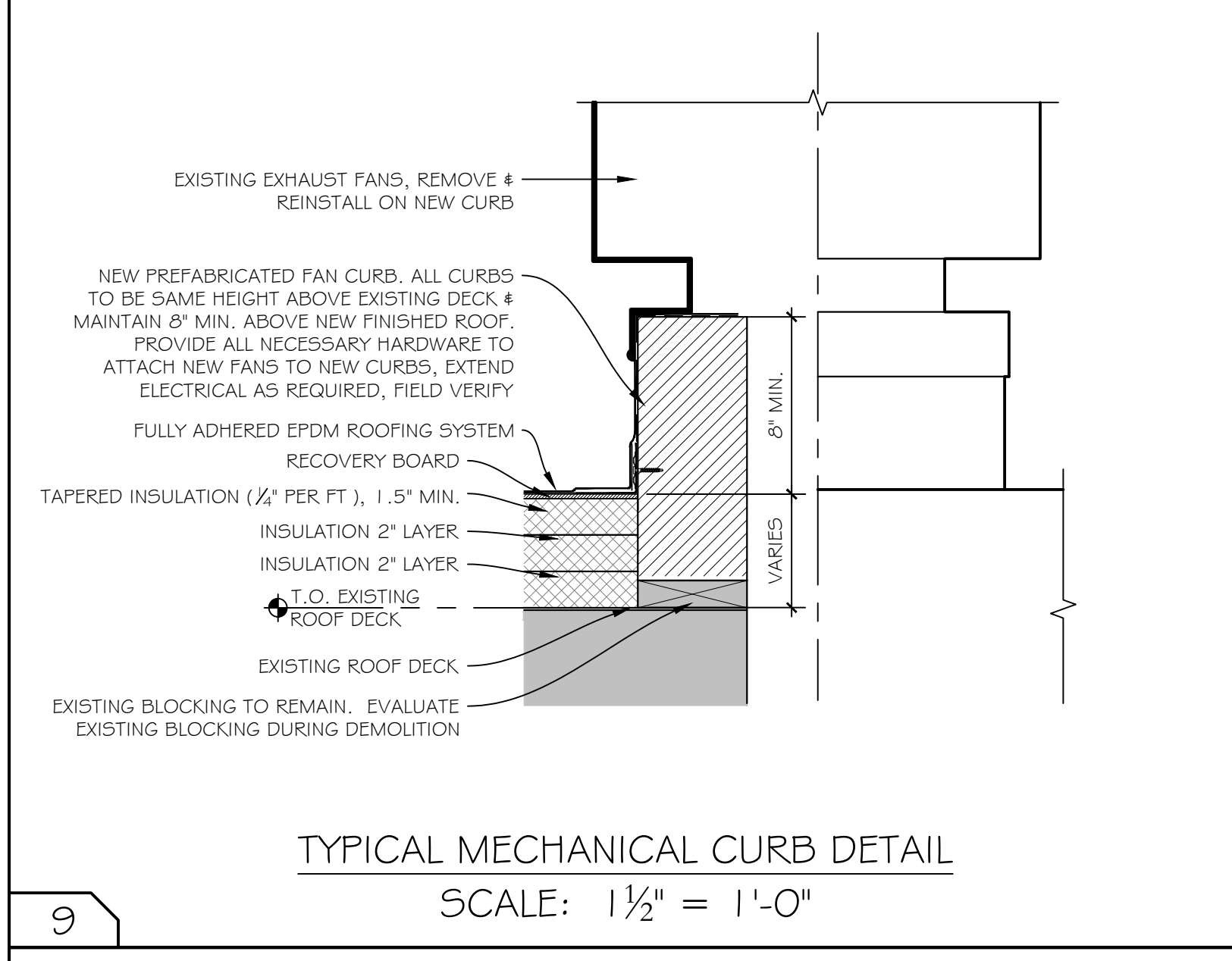
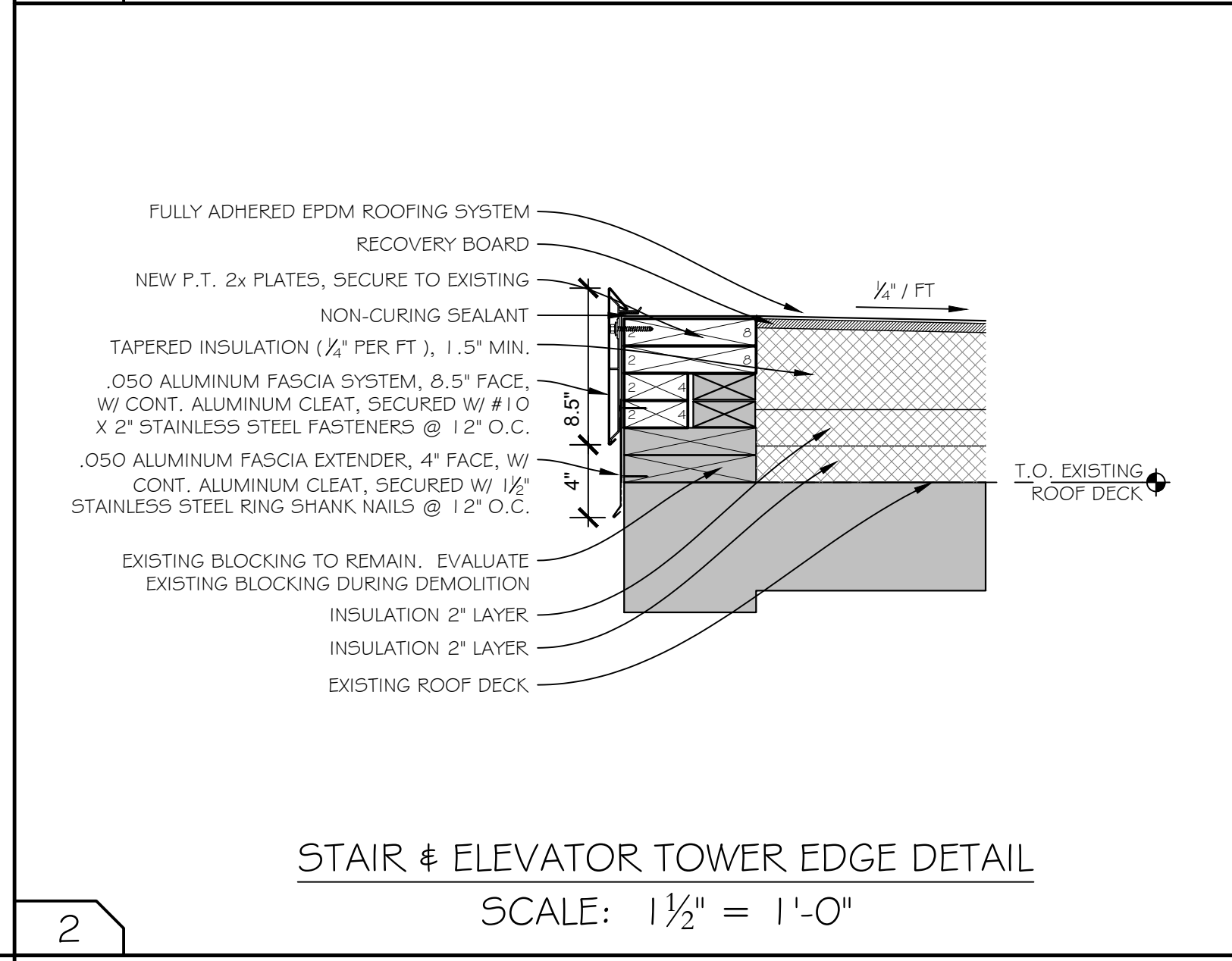
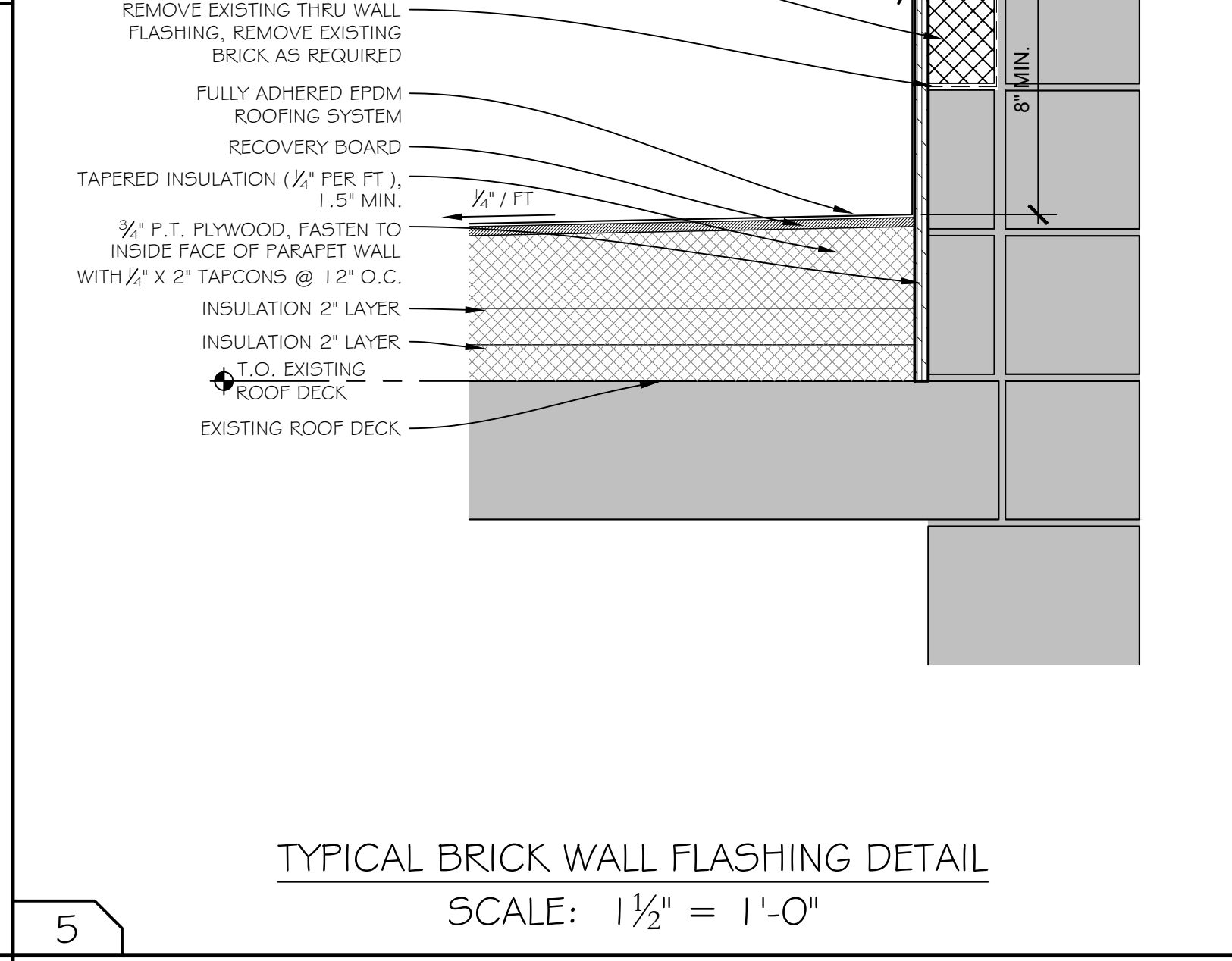
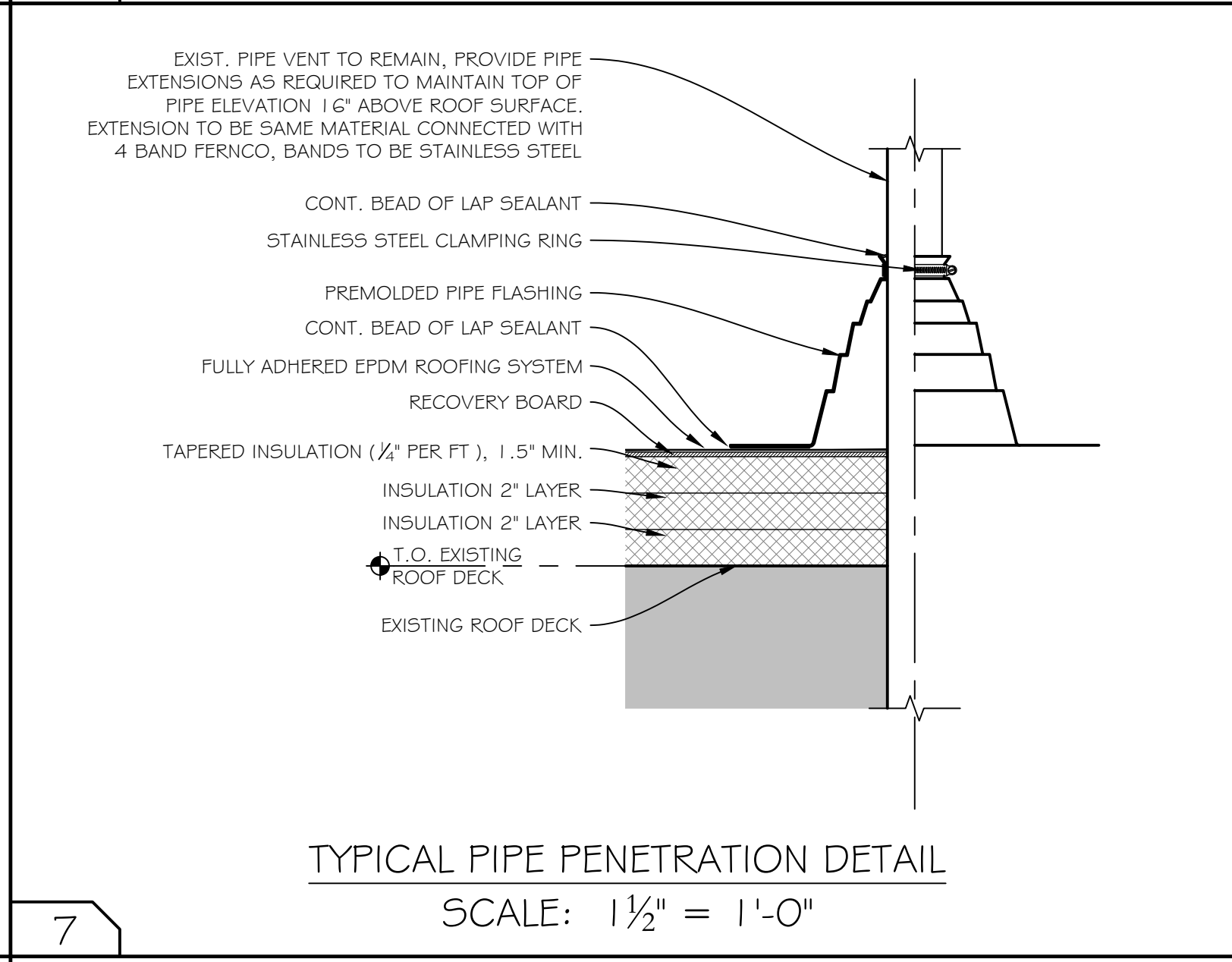
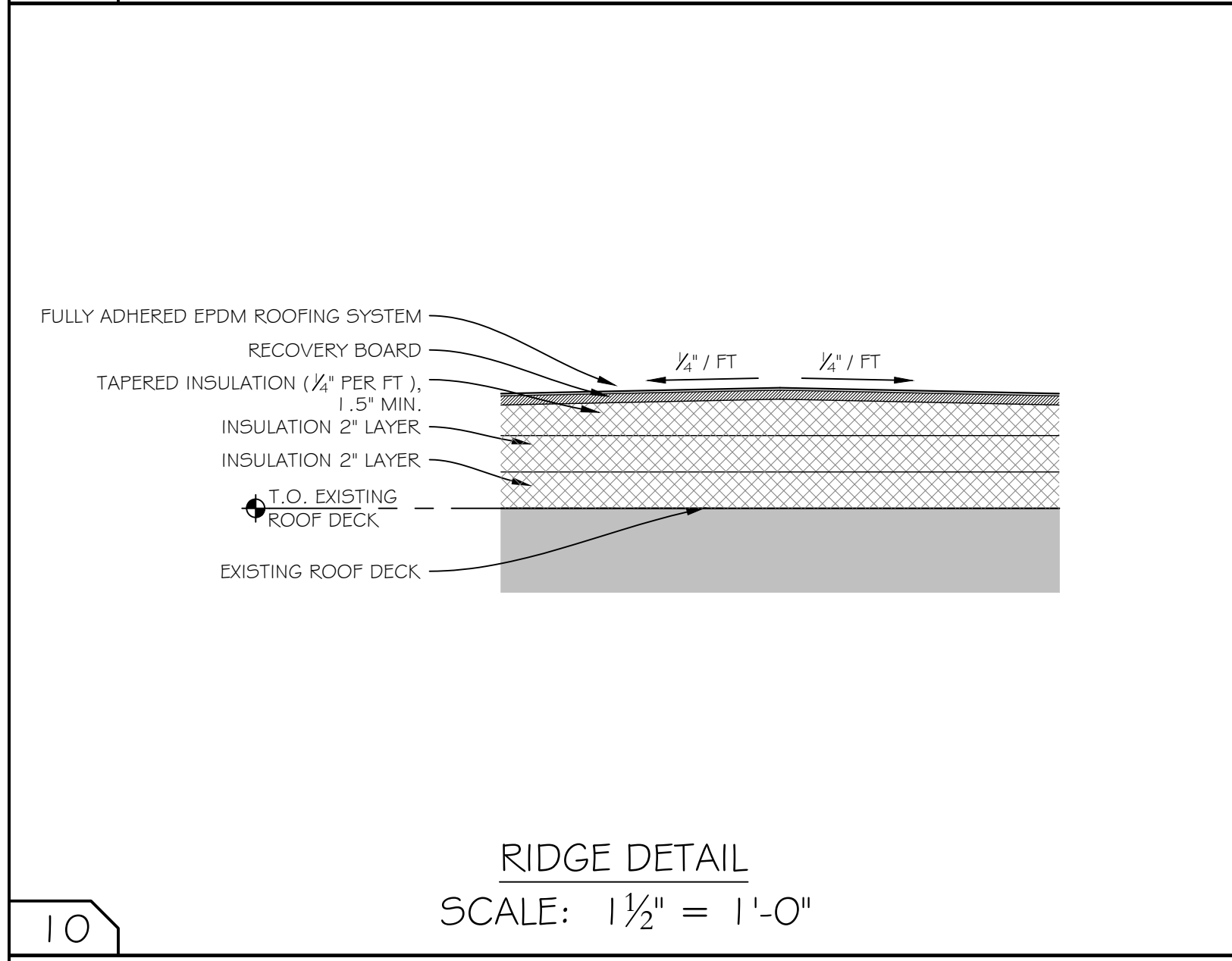
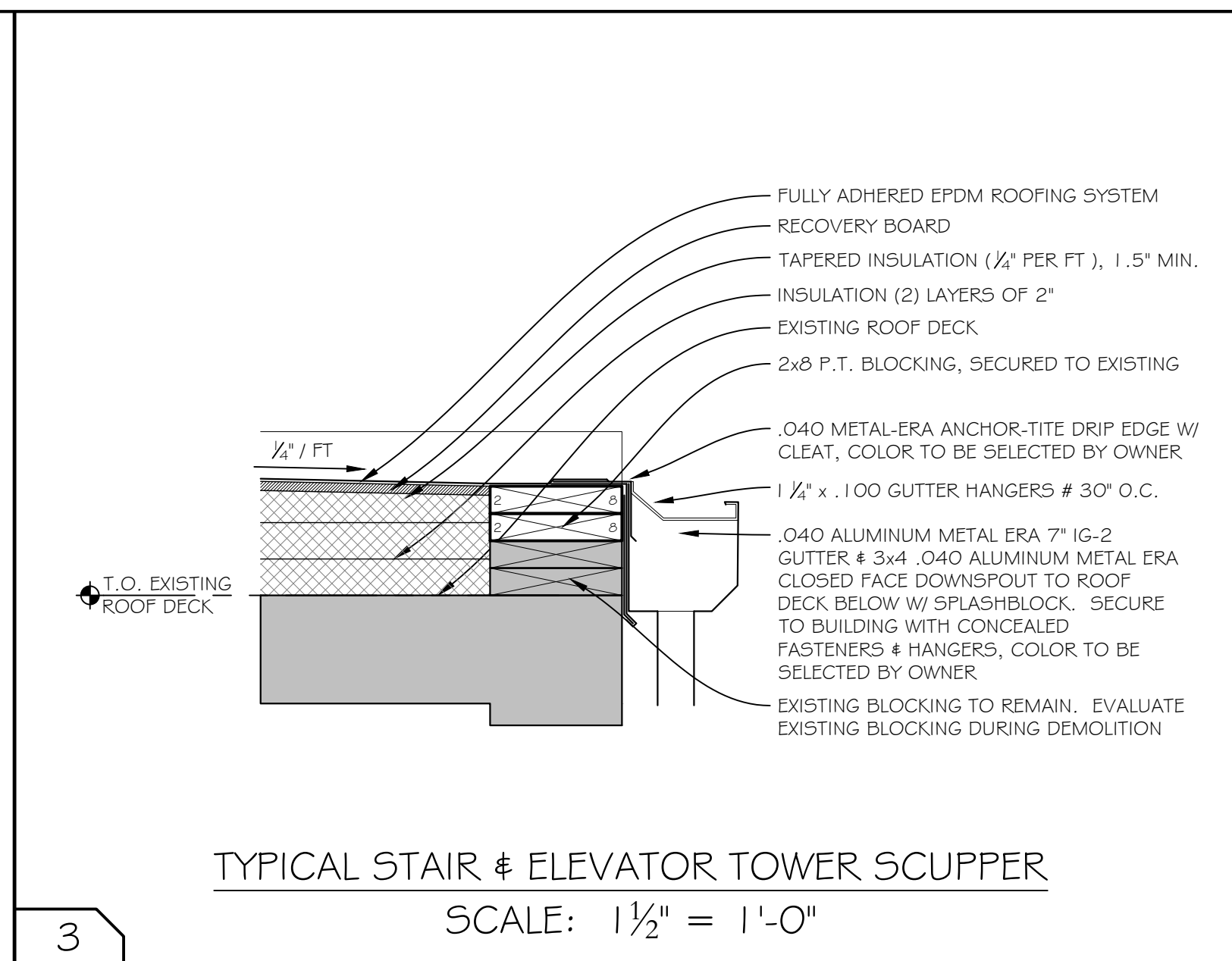
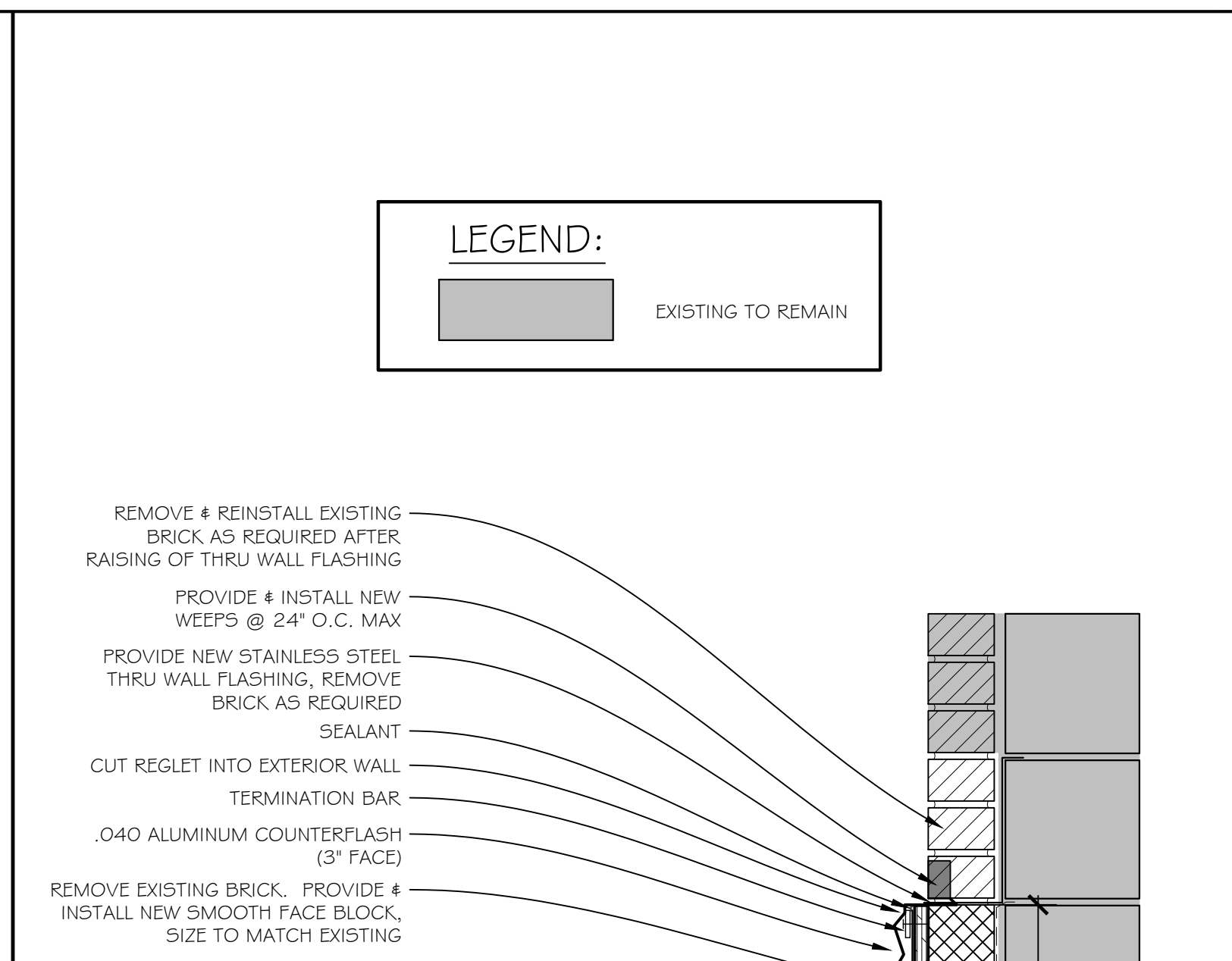
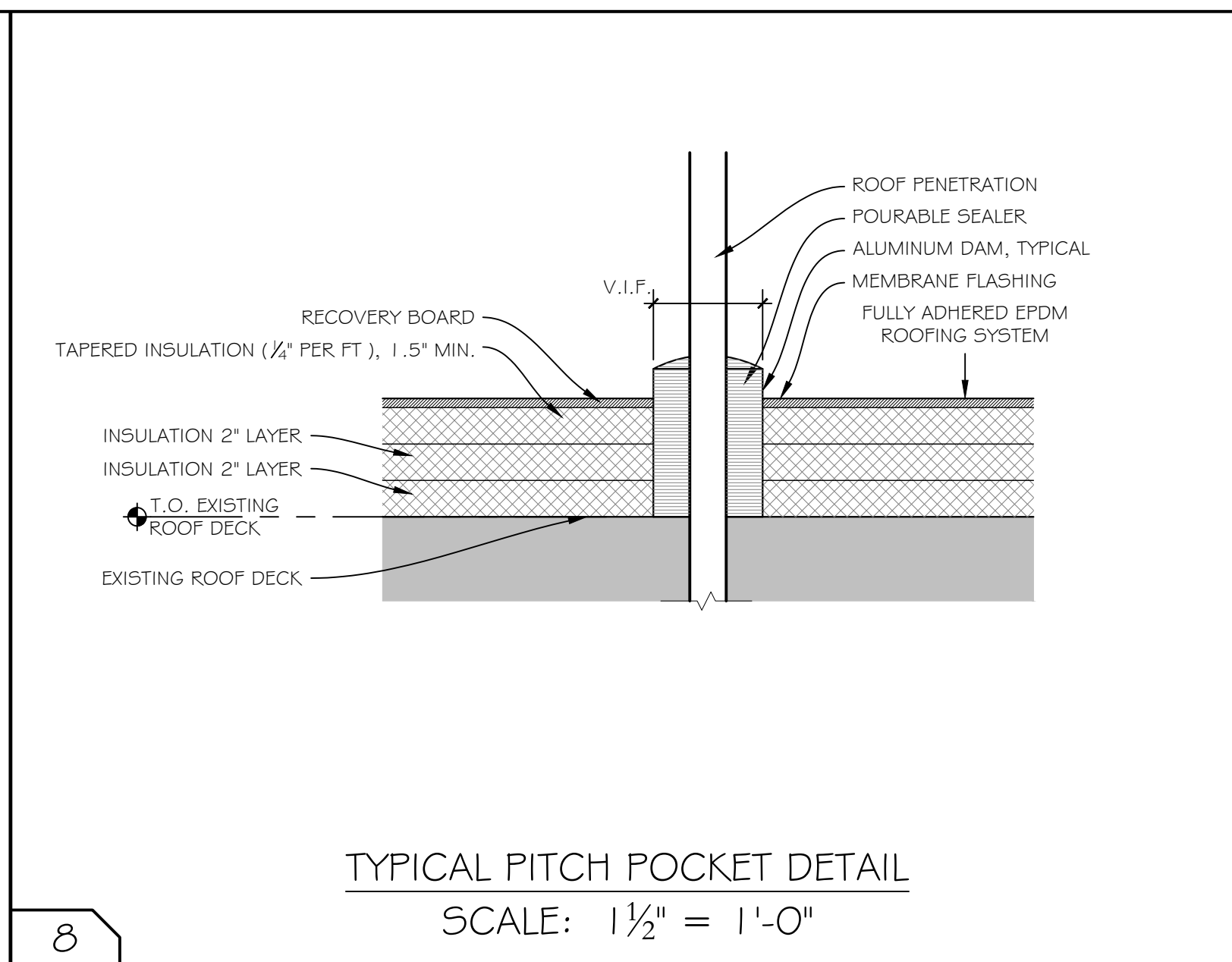
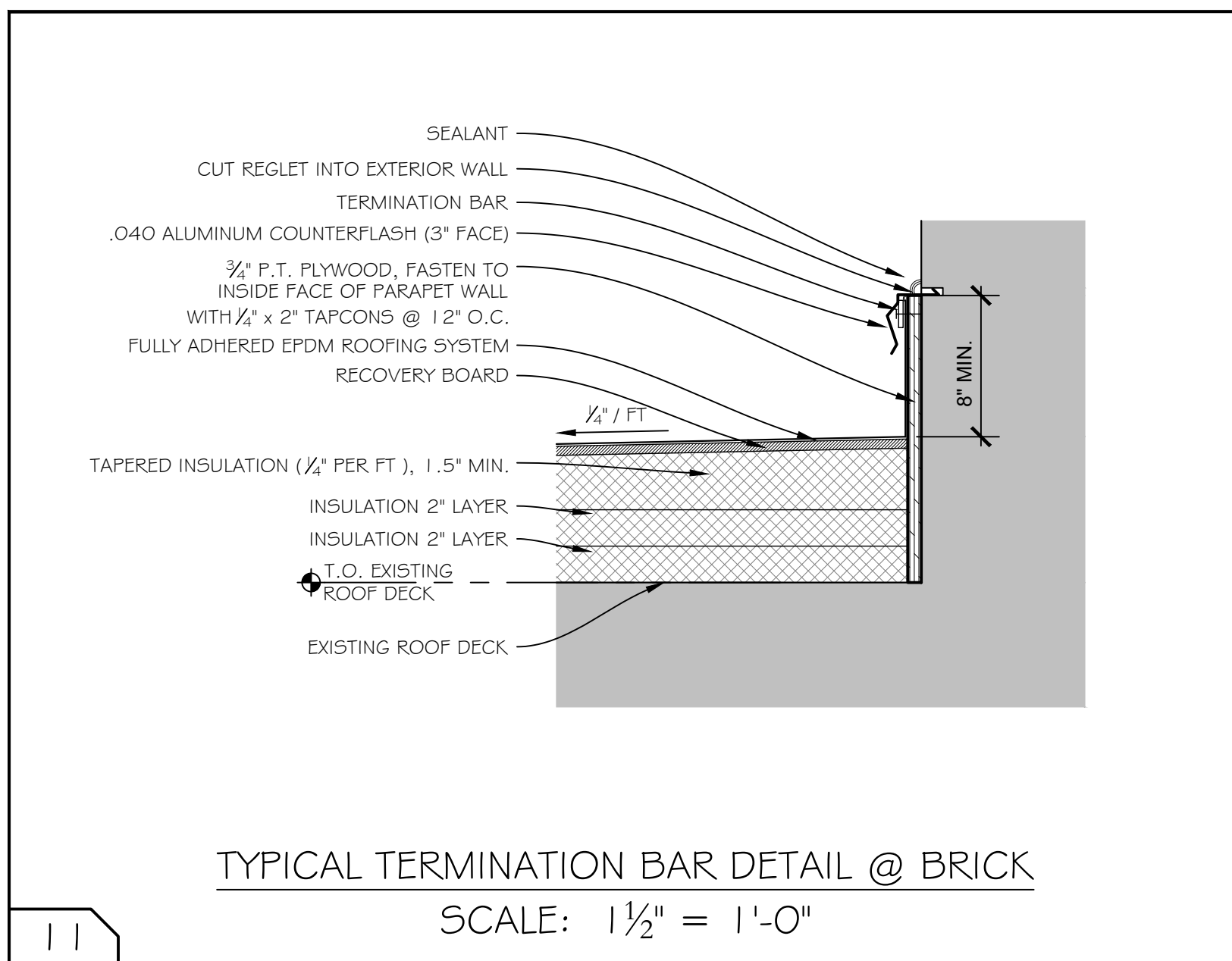
- GENERAL ROOFING NOTES:
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID
  - PRIOR TO INSTALLATION OF NEW ROOF, CONTRACTOR IS TO REMOVE ENTIRE EXISTING ROOFING SYSTEM, INCLUDING ALL MEMBRANES, FLASHING, BOARDS, BLOCKING, TRIM, INSULATION, FASTENERS, SEALERS, & REQUIRED EDGE METAL. ROOF IS TO BE STRIPPED DOWN TO THE EXISTING CONCRETE PLANK STRUCTURE
  - CONTRACTOR IS TO PROTECT THE ROOF, PHASE THE DEMOLITION & CONSTRUCTION, IN SUCH A WAY AS TO PERMIT NO WATER INFILTRATION DURING DEMOLITION & CONSTRUCTION
  - OWNER & ARCHITECT TO SELECT EDGE METAL COLOR FROM MANUFACTURERS FULL RANGE OF AVAILABLE COLORS
  - ALL NEW BLOCKING IS TO BE PRESSURE TREATED, USE CORROSION RESISTANT FASTENERS THAT ARE COMPATIBLE WITH THE WOOD NAILERS
  - WOOD NAILERS & BLOCKING ARE TO BE SECURED AS FOLLOWS FOR A MINIMUM WIND ZONE RATING OF 90:  
WOOD TO WOOD - SIMPSON STRONG - DRIVE SDS 1/4-INCH DIAMETER CONNECTOR SCREWS OR EQUAL, TWO ROWS, SPACED AT 24" O.C. FOR ZONE 2 & 12" O.C. FOR ZONE 3, (FULL EMBEDMENT, MAXIMUM 3"). EQUIVARIANT PRODUCT CAN BE PROVIDED BY FASTENMASTER (TIMBERLOK) OR SPAX POWER LAG  
WOOD TO CONCRETE - SIMPSON STRONG-TIE 3/8-INCH DIAMETER TITEN HEAVY DUTY SCREW ANCHOR OR EQUAL, SPACED STAGGERED AT 48" O.C. FOR ZONE 2 & 24" O.C. FOR ZONE 3. (MIN. 1.25" EMBEDMENT). EQUIVARIANT PRODUCT CAN BE PROVIDED BY HILTI OR ITW
  - REMOVE, RAISE, EXTEND & REINSTALL ALL EXISTING WIRING CONDUITS ON ROOF DECK AS REQUIRED TO ACCOMMODATE NEW ROOF SYSTEM
  - SEE SPECIFICATIONS FOR MORE INFORMATION INCLUDING WARRANTY REQUIREMENTS
  - BUILDING SPRINKLER & FIRE DETECTION SYSTEMS ARE TO REMAIN FULLY OPERATIONAL DURING THE ENTIRE DURATION OF THIS ROOF REPLACEMENT PROJECT
  - GENERAL CONTRACTOR TO REMOVE & REINSTALL ALL MECHANICAL EQUIPMENT ON NEW CURBS (SEE DETAIL) AS REQUIRED TO ACCOMMODATE NEW ROOF INSTALLATION
  - EXHAUST FANS, FASTEN CURBS TO ROOF DECK WITH 3/8" SELF DRILLING SCREWS, THREE PER SIDE (MINIMUM TOTAL OF 12). FASTEN EXHAUST FAN BASE FRAME TO CURB WITH 1/2" #14 SELF DRILLING SCREWS, THREE PER SIDE (FOUR PER SIDE FOR EXHAUST FANS 26" OR LONGER ON A SIDE). FASTEN FRAMES OF DUCTS ON ROOF TO P.T. SUPPORT SLEEPER DIRECTLY DOWN ONTO SUPPORTING DECK WITH 3/8" SELF DRILLING SCREWS, SPACED @ 12" O.C., MAX 4" FROM END (MINIMUM THREE SCREWS PER SUPPORT)
  - OTHER MECHANICAL EQUIPMENT, FASTEN UNIT CURB TO ROOF DECK WITH 3/8" SELF DRILLING SCREWS @ 12" O.C., MAX 4" FROM EACH END (MINIMUM THREE SCREWS PER SUPPORT EDGE). FASTEN BASE OF UNIT TO CURB WITH 1/2" #14 SELF DRILLING SCREWS SPACED @ 12" O.C., MAX 4" FROM EACH END (MINIMUM THREE SCREWS PER SUPPORT EDGE).
  - CRICKET SLOPES SHALL BE CONSTRUCTED OF TAPERED INSULATION AT 1/2" PER FOOT
  - ALL INSULATION & RECOVERY BOARDS THAT MAKES UP THE ROOFING SYSTEM ARE TO BE FULLY ADHERED TO THEMSELVES & TO THE EXISTING ROOF DECK
  - AT CONCRETE PLANK DECK - ADHERE ALL LAYERS OF INSULATION TO EXISTING CONCRETE PLANK DECK AND COVER BOARD TO NEW INSULATION WITH LOW RISE FOAM INSULATION ADHESIVE. (3/4" TO 1" WIDE BEADS @ 12" O.C.)
  - FOR HOT WORK PERMITS REFER TO SPEC SECTION 01 51 16, C
  - CALL OSBI INSPECTION FOR EACH ITEM OR LAYER PRIOR TO COVERING. OSBI RESERVES THE RIGHT TO HAVE ITEMS REMOVED AT NO COST TO THE OWNER IF INSPECTION(S) ARE NOT REQUESTED PRIOR TO COVERING
  - REFER TO WARNING LINES SECTION ON G.1.0



ROOF PLAN

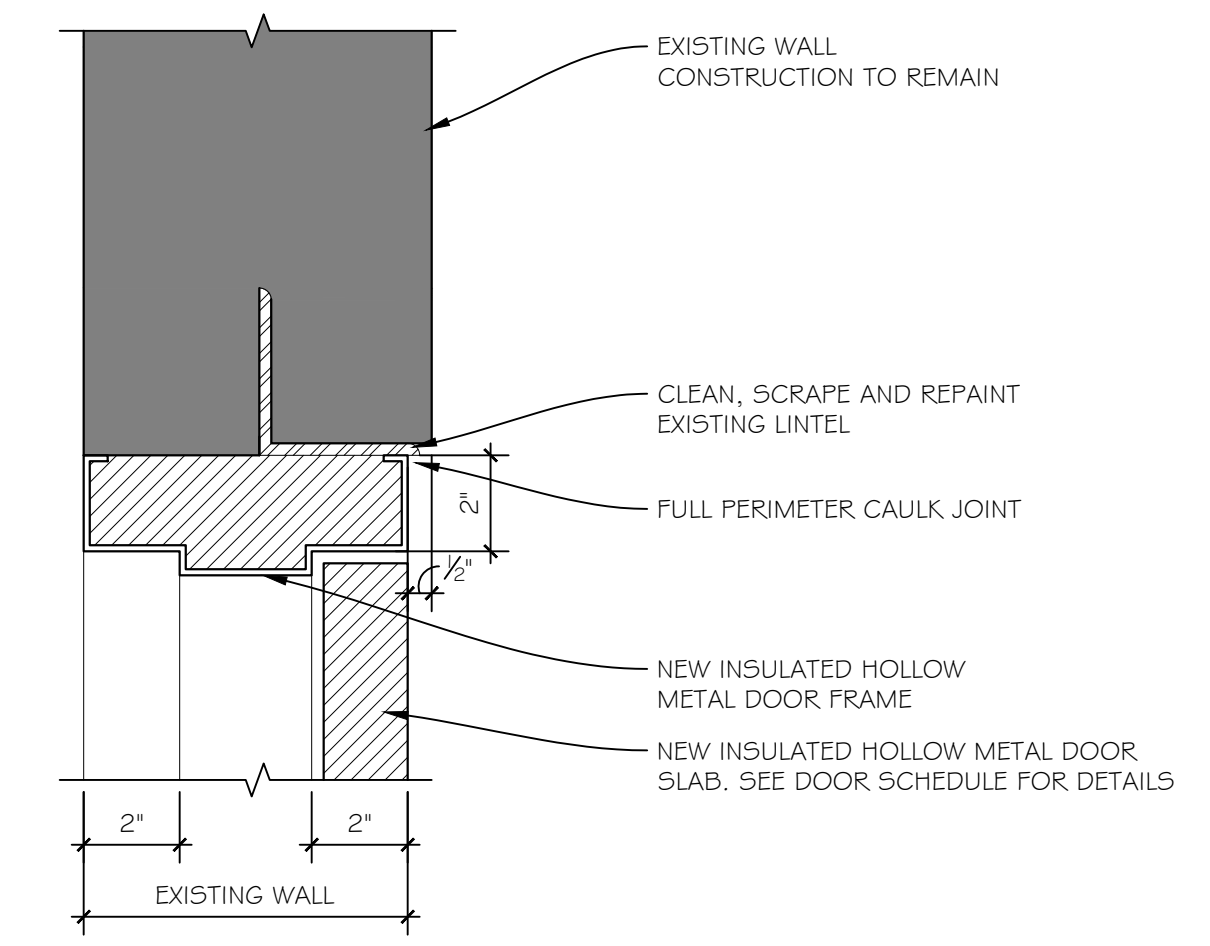
SCALE: 1/8" = 1'-0"

drawing title <b>ROOF PLANS NEFF HALL</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b>
	mark	date	description
project <b>SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL NEW HAVEN, CONNECTICUT</b>			date 11/22/2021
project no. CF-RS-365			scale AS NOTED
			drawn by AMT
			drawing no. <b>A1.0</b>



SEE ROOF PLAN KEY AND GENERAL ROOFING NOTES ON PAGE A1.0 FOR MORE INFORMATION

drawing title <b>ROOF DETAILS NEFF HALL</b>		drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b>		date 11/22/2021
professional seal	REVISIONS			scale AS NOTED
	mark	date	description	drawn by AMT
				project <b>SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL NEW HAVEN, CONNECTICUT</b>
				drawing no. <b>A1.1</b>
			project no. CF-RS-365	



HEAD DETAIL (H-1)  
SCALE: N.T.S.

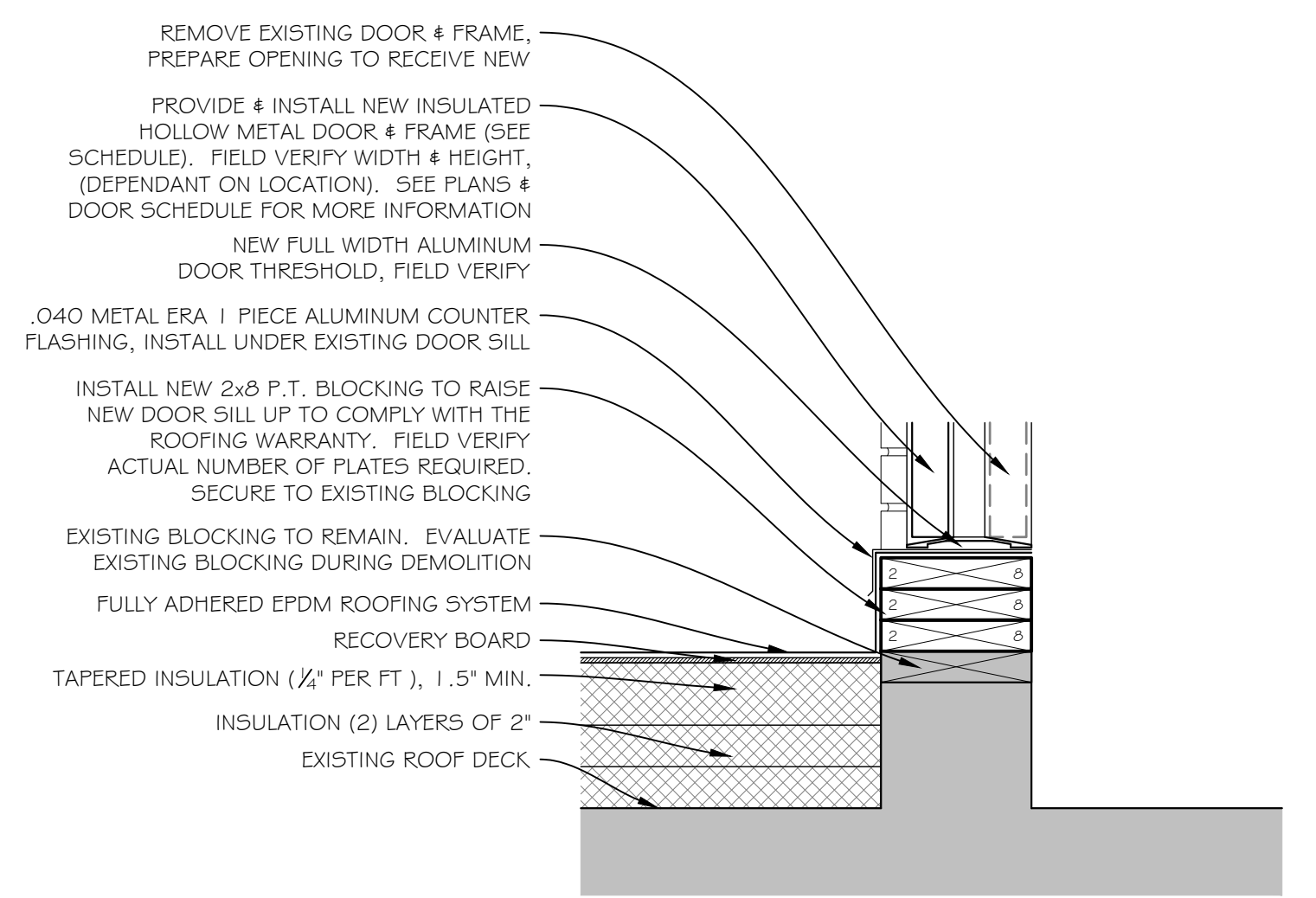
3

METAL EDGING						
DESCRIPTION	SIZE	ANCHOR MATERIAL	ANCHOR TYPE	COVER MATERIAL	THICKNESS	NOTES
FASCIA	8.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.050"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
FASCIA EXTENDER	4"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.050"	SECURED WITH 4D - 1/2" STAINLESS STEEL RING SHANK NAILS @ 12" O.C.

- GENERAL NOTES:
- MAIN ROOF PERIMETER FLASHING ASSEMBLY RATING
    - ZONE 2 (PERIMETER AREAS) - 180
    - ZONE 3 (CORNER AREAS) - 240
  - PENTHOUSE ROOF PERIMETER FLASHING ASSEMBLY RATING
    - ZONE 2 (PERIMETER AREAS) - 195
    - ZONE 3 (CORNER AREAS) - 255

METAL EDGING SCHEDULE  
SCALE: N.T.S.

6



TYPICAL DOOR SILL DETAIL (S-1)  
SCALE: 1 1/2" = 1'-0"

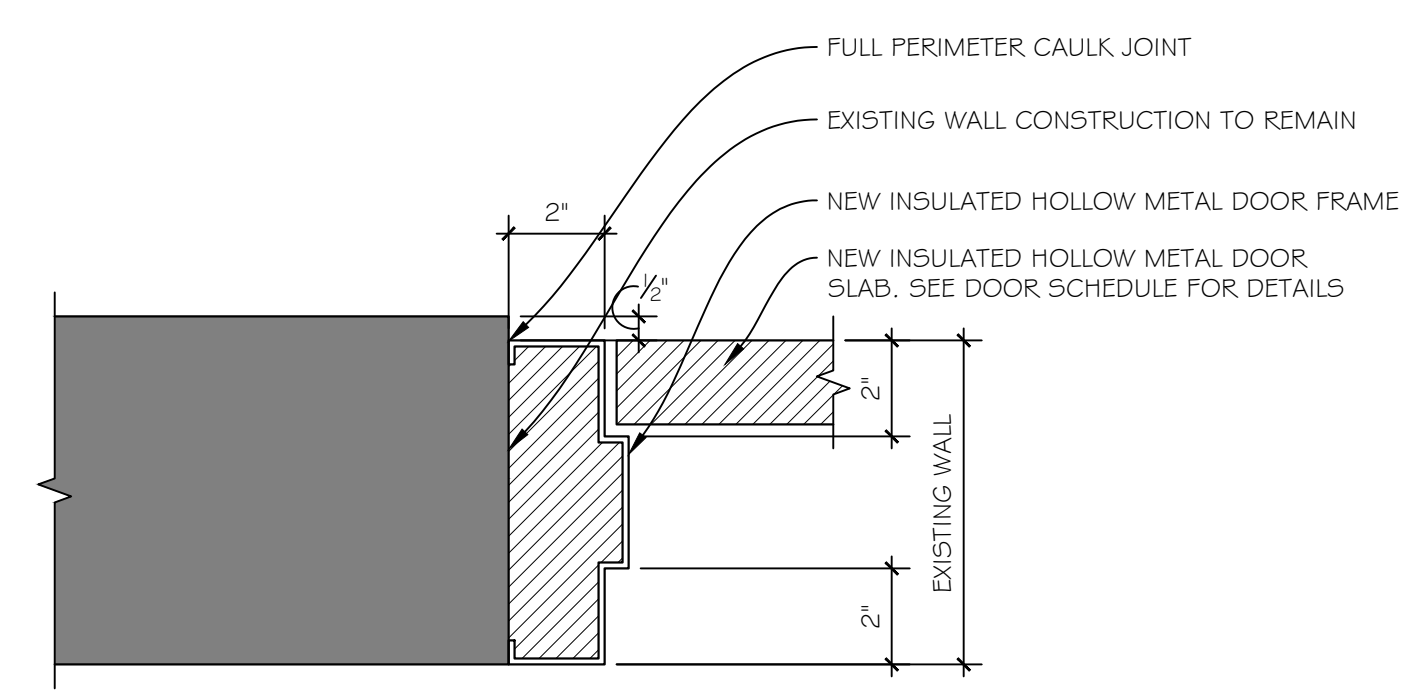
2

DOOR ID	LOCATION	DOOR SIZE (WxH)	DOOR MATERIAL-TYPE (SEE DOOR ELEVATIONS)	FRAME MATERIAL-TYPE (SEE FRAME ELEVATIONS)	FRAME DETAIL NUMBER			HARDWARE-SEE SPECIFICATIONS							REMARKS				
					HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	1. FIRE RATED	2. POSITIVE LATCHING	3. SELF-CLOSING HINGES	4. CLOSER WITH HOLD OPEN LOCKSET	5. ALUMINUM THRESHOLD	6. FULL PERIMETER WEATHERSTRIPPING	7. STRIKE		8. BUTTS HINGES			
1	STAIR - A	3'-0" x 6'-0" (V.I.F.)	HM-1	HMF	H-1	J-1	S-1	●	⊕	●	●	●	●	●	●	●	●	●	LEFT HAND DOOR (OUTSWING TO ROOF). SEE NOTE 5 ABOUT SECURITY WIRING.
2	STAIR - B	3'-7" x 6'-7" (V.I.F.)	HM-1	HMF	H-1	J-1	S-1	●	⊕	●	●	●	●	●	●	●	●	●	LEFT HAND DOOR (OUTSWING TO ROOF). SEE NOTE 5 ABOUT SECURITY WIRING.
3	FAN ROOM	2'-0" x 6'-7" (V.I.F.)	HM-1	HMF	H-1	J-1	S-1	●	⊕	●	●	●	●	●	●	●	●	●	LEFT HAND DOOR (OUTSWING TO ROOF).
4	ELEVATOR MACHINE ROOM	2'-0" x 6'-7" (V.I.F.)	HM-1	HMF	H-1	J-1	S-1	●	⊕	●	●	●	●	●	●	●	●	●	LEFT HAND DOOR (OUTSWING TO ROOF).

- GENERAL NOTES:
- REMOVE, STORE & REINSTALL EXISTING LOCKSETS ON NEW DOORS
  - DOOR & FRAME COLOR TO MATCH EXISTING, FIELD VERIFY COLOR
  - NEW DOOR HARDWARE TO BE SATIN CHROMIUM PLATED
  - DOOR SIZES NOTED ABOVE ARE APPOINTED FOR PURPOSES OF BIDDING AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL OPENINGS PRIOR TO BIDDING, ORDERING & CONSTRUCTION
  - REMOVE EXISTING SECURITY WIRING & DEVICES FROM EXISTING DOOR & FRAME. REINSTALL ALL WIRING & DEVICES ON NEW DOOR & FRAME. COORDINATE WITH SCSU FACILITIES & SECURITY BEFORE STARTING WORK
  - ALL HOLLOW METAL DOORS & FRAMES TO BE INSULATED

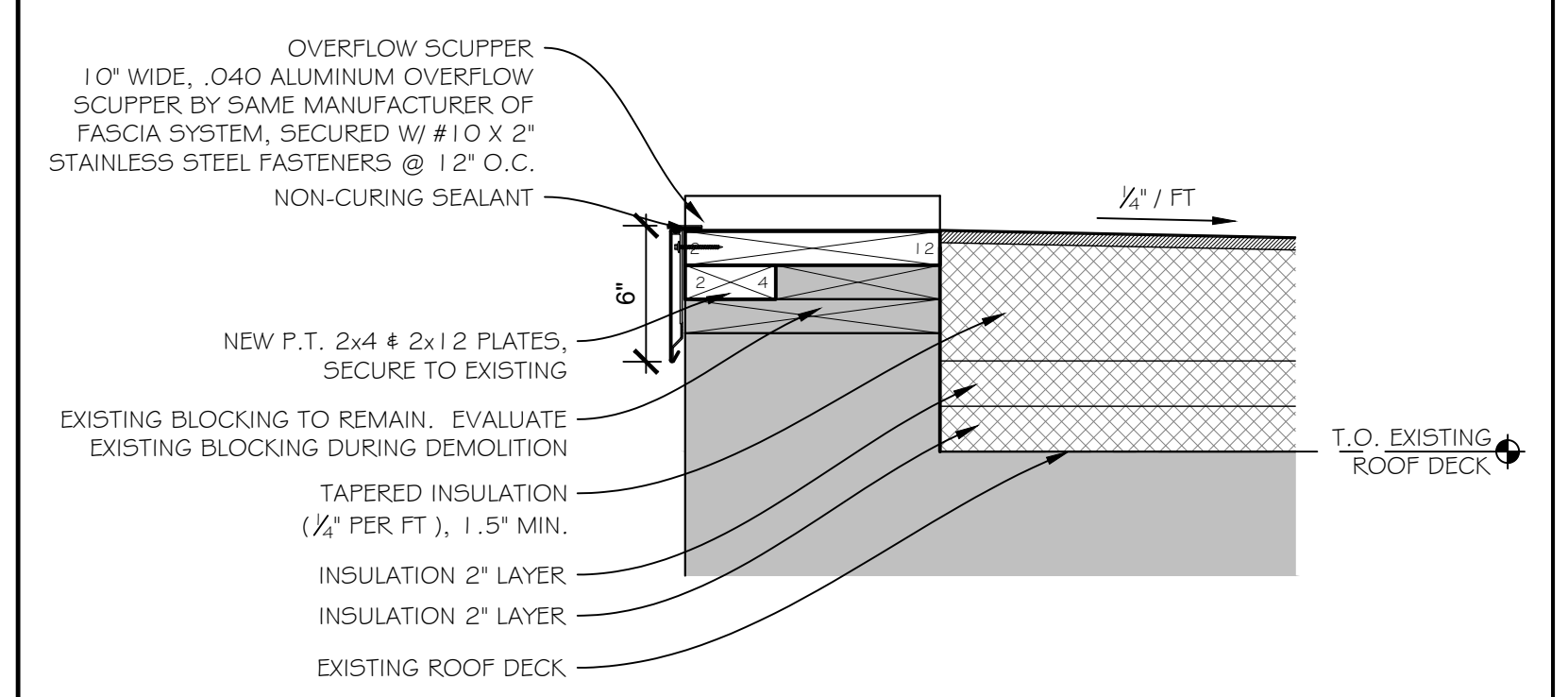
DOOR SCHEDULE  
SCALE: N.T.S.

5



JAMB DETAIL (J-1)  
SCALE: N.T.S.

4



OVERFLOW SCUPPER DETAIL  
SCALE: 1 1/2" = 1'-0"

1


SEE ROOF PLAN KEY AND GENERAL ROOFING NOTES ON PAGE A1.0 FOR MORE INFORMATION

drawing title <b>ROOF DETAILS NEFF HALL</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b> 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT
mark	date	description	date 11/22/2021
			scale AS NOTED
			drawn by AMT
			project <b>SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL</b> NEW HAVEN, CONNECTICUT
			drawing no. <b>A1.2</b>
			project no. CF-RS-365

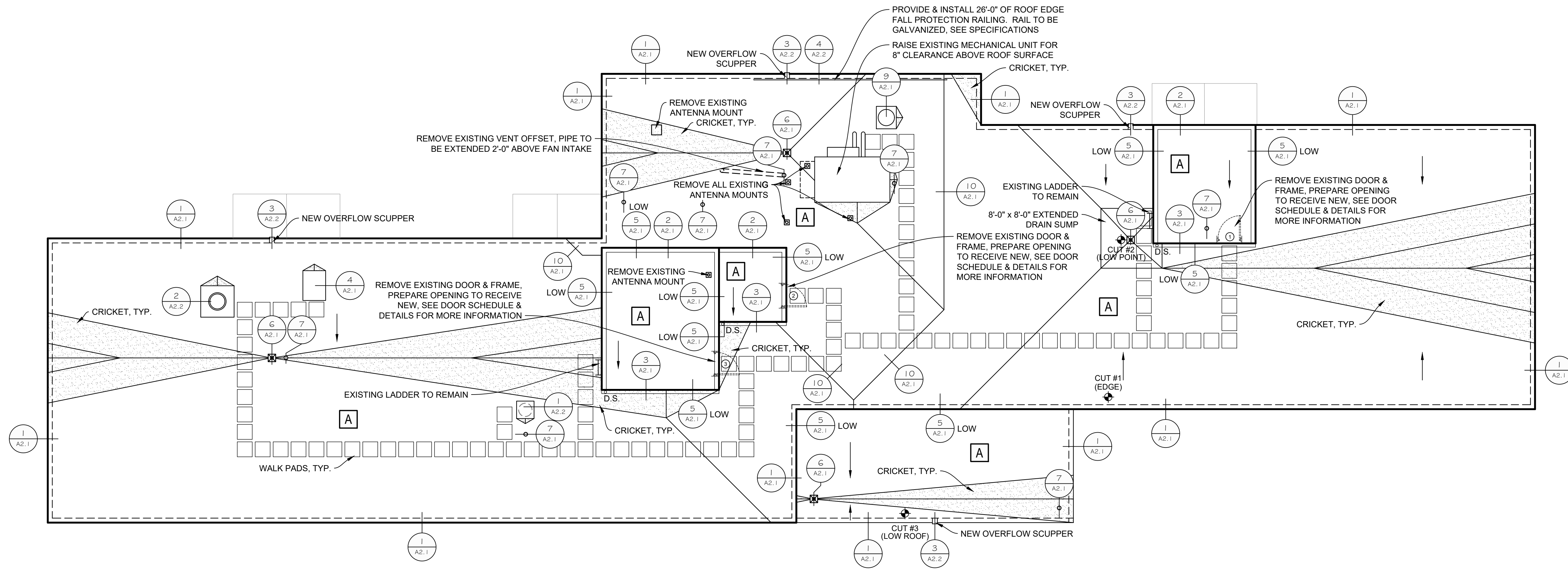
**EXISTING ROOFING (ROOF CUTS)**

- CUT #1 (EDGE)**  
LAYERS TO BE REMOVED:
  - EPDM ROOF MEMBRANE
  - NO COVER BOARD
  - FLAT INSULATION, 1.5" THICK (MECHANICALLY FASTENED)
  - COLD TAR PITCH ROOF
  - 4.25" TAPERED LIGHT WEIGHT GYPSUM SLAB
  - EXISTING CONCRETE PLANK DECK
- CUT #2 (LOW POINT)**  
LAYERS TO BE REMOVED:
  - EPDM ROOF MEMBRANE
  - NO COVER BOARD
  - FLAT INSULATION, 1.5" THICK (MECHANICALLY FASTENED)
  - COLD TAR PITCH ROOF
  - 3" TAPERED LIGHT WEIGHT GYPSUM SLAB
  - EXISTING CONCRETE PLANK DECK
- CUT #3 (LOW ROOF)**  
LAYERS TO BE REMOVED:
  - EPDM ROOF MEMBRANE
  - NO COVER BOARD
  - FLAT INSULATION, 1.5" THICK (MECHANICALLY FASTENED)
  - COLD TAR PITCH ROOF
  - TAPERED LIGHT WEIGHT GYPSUM SLAB
  - EXISTING CONCRETE PLANK DECK

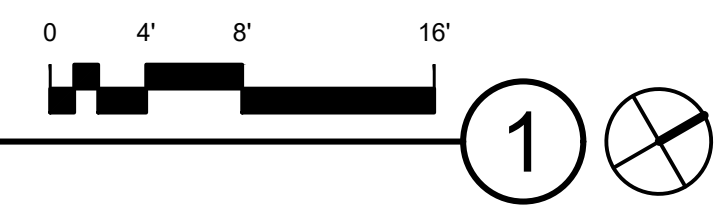
**ROOF PLAN KEY**

- A** - EXISTING CONCRETE PLANK DECK  
- RIGID INSULATION, 4" MIN. (2 - 2" LAYERS)  
- TAPERED INSULATION 1/2" PER FOOT, 1.5" MIN. EDGE THICKNESS)
-  CRICKET 1/2" PER FOOT

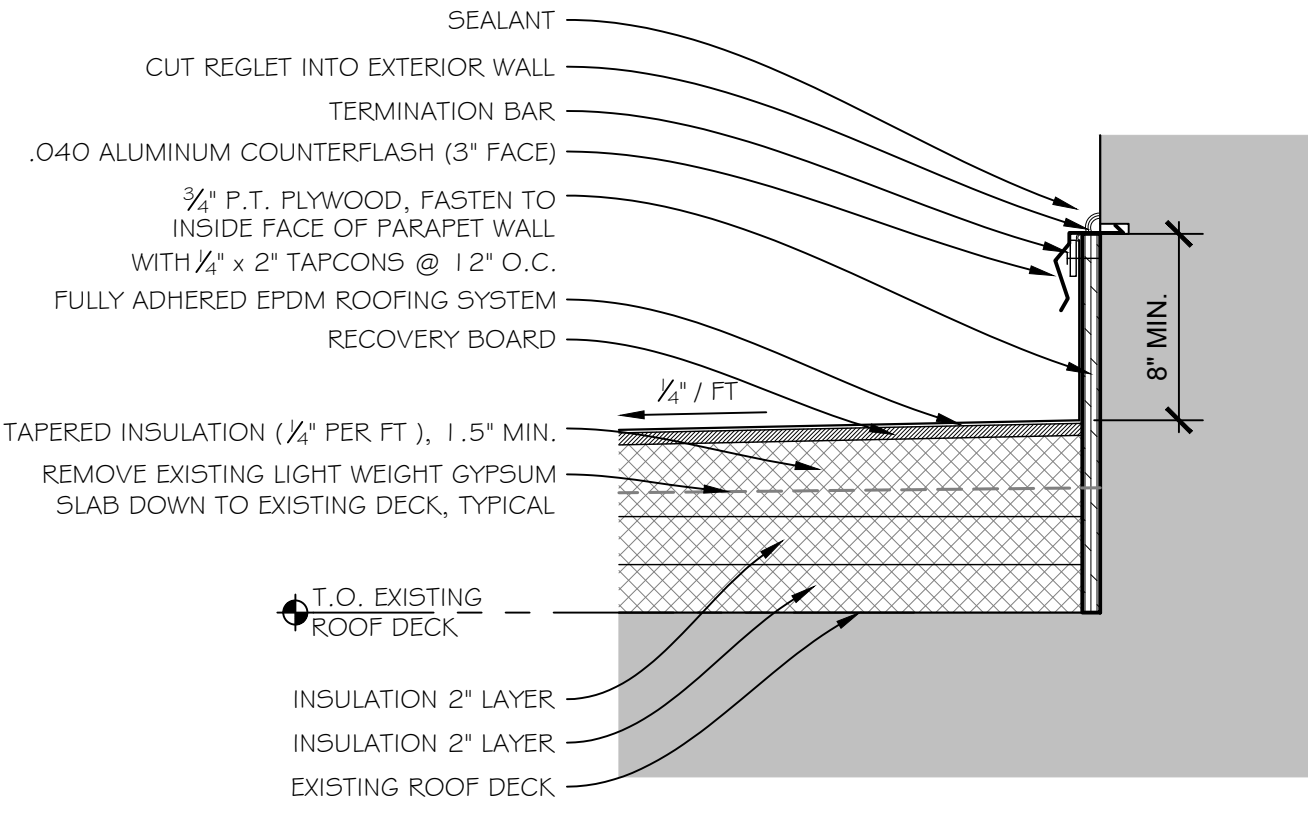
- GENERAL ROOFING NOTES:**
1. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID
  2. PRIOR TO INSTALLATION OF NEW ROOF, CONTRACTOR IS TO REMOVE ENTIRE EXISTING ROOFING SYSTEM, INCLUDING ALL MEMBRANES, FLASHING, BOARDS, BLOCKING, TRIM, INSULATION, FASTENERS, SEALERS, & REQUIRED EDGE METAL. ROOF IS TO BE STRIPPED DOWN TO THE EXISTING STRUCTURE. THERE ARE TWO ROOFS ON THE EXISTING ROOF DECK STRUCTURE. (EPDM ROOF ASSEMBLY & COLD TAR PITCH ROOF ON LIGHT WEIGHT TAPERED GYPSUM SLAB). BOTH OF THESE ROOFS ARE TO BE REMOVED INCLUDING THE TAPERED LIGHT WEIGHT CONCRETE. CONCRETE PLANKS DECK TO REMAIN.
  3. CONTRACTOR IS TO PROTECT THE ROOF, PHASE THE DEMOLITION & CONSTRUCTION, IN SUCH A WAY AS TO PERMIT NO WATER INFILTRATION DURING DEMOLITION & CONSTRUCTION
  4. OWNER & ARCHITECT TO SELECT EDGE METAL COLOR FROM MANUFACTURERS FULL RANGE OF AVAILABLE COLORS
  5. ALL NEW BLOCKING IS TO BE PRESURE TREATED, USE CORROSION RESISTANT FASTENERS THAT ARE COMPATIBLE WITH THE WOOD NAILERS
  6. WOOD NAILERS & BLOCKING ARE TO BE SECURED AS FOLLOWS FOR A MINIMUM WIND ZONE RATING OF 90:  
WOOD TO WOOD - SIMPSON STRONG - DRIVE SDS 1/4-INCH DIAMETER CONNECTOR SCREWS OR EQUAL, TWO ROWS, SPACED AT 24" O.C. FOR ZONE 2 & 12" O.C. FOR ZONE 3. (FULL EMBEDMENT, MAXIMUM 3"). EQUIVALENT PRODUCT CAN BE PROVIDED BY FASTENMASTER (TIMBERLOK) OR 5FAX POWER LAG  
WOOD TO CONCRETE - SIMPSON STRONG-TIE 3/8-INCH DIAMETER TITEN HEAVY DUTY SCREW ANCHOR OR EQUAL, SPACED STAGGERED AT 48" O.C. FOR ZONE 2 & 24" O.C. FOR ZONE 3. (MIN. 1.25" EMBEDMENT). EQUIVALENT PRODUCT CAN BE PROVIDED BY HILTI OR ITW
  7. REMOVE, RAISE, EXTEND & REINSTALL ALL EXISTING WIRING CONDUITS ON ROOF DECK AS REQUIRED TO ACCOMMODATE NEW ROOF SYSTEM
  8. SEE SPECIFICATIONS FOR MORE INFORMATION INCLUDING WARRANTY REQUIREMENTS
  9. BUILDING SPRINKLER & FIRE DETECTION SYSTEMS ARE TO REMAIN FULLY OPERATIONAL DURING THE ENTIRE DURATION OF THIS ROOF REPLACEMENT PROJECT
  10. GENERAL CONTRACTOR TO REMOVE & REINSTALL ALL MECHANICAL EQUIPMENT ON NEW CURBS (SEE DETAIL) AS REQUIRED TO ACCOMMODATE NEW ROOF INSTALLATION
  11. EXHAUST FANS, FASTEN CURBS TO ROOF DECK WITH 3/8" SELF DRILLING SCREWS, THREE PER SIDE (MINIMUM TOTAL OF 12). FASTEN EXHAUST FAN BASE FRAME TO CURB WITH 1/2" #14 SELF DRILLING SCREWS, THREE PER SIDE (FOUR PER SIDE FOR EXHAUST FANS 26" OR LONGER ON A SIDE). FASTEN FRAMES OF DUCTS ON ROOF TO P.T. SUPPORT SLEEPER DIRECTLY DOWN ONTO SUPPORTING DECK WITH 3/8" SELF DRILLING SCREWS, SPACED @ 12" O.C., MAX 4" FROM END (MINIMUM THREE SCREWS PER SUPPORT)
  12. OTHER MECHANICAL EQUIPMENT, FASTEN UNIT CURB TO ROOF DECK WITH 3/8" SELF DRILLING SCREWS @ 12" O.C. MAX 4" FROM EACH END (MINIMUM THREE SCREWS PER SUPPORT EDGE). FASTEN BASE OF UNIT TO CURB WITH 1/2" #14 SELF DRILLING SCREWS SPACED @ 12" O.C. MAX 4" FROM EACH END (MINIMUM THREE SCREWS PER SUPPORT EDGE).
  13. CRICKET SLOPES SHALL BE CONSTRUCTED OF TAPERED INSULATION AT 1/2" PER FOOT
  14. ALL INSULATION & RECOVERY BOARDS THAT MAKES UP THE ROOFING SYSTEM ARE TO BE FULLY ADHERED TO THEMSELVES & TO THE EXISTING CONCRETE PLANK ROOF DECK.
  15. AT CONCRETE PLANK DECK - ADHERE ALL LAYERS OF INSULATION TO EXISTING CONCRETE PLANK DECK AND COVER BOARD TO NEW INSULATION WITH LOW RISE FOAM INSULATION ADHESIVE. (3/4" TO 1" WIDE BEADS @ 12" O.C.)
  16. FOR HOT WORK PERMITS REFER TO SPEC SECTION 01 51 16, C
  17. CALL OSBI INSPECTION FOR EACH ITEM OR LAYER PRIOR TO COVERING. OSBI RESERVES THE RIGHT TO HAVE ITEMS REMOVED AT NO COST TO THE OWNER IF INSPECTION(S) ARE NOT REQUESTED PRIOR TO COVERING
  18. REFER TO WARNING LINES SECTION ON G.10



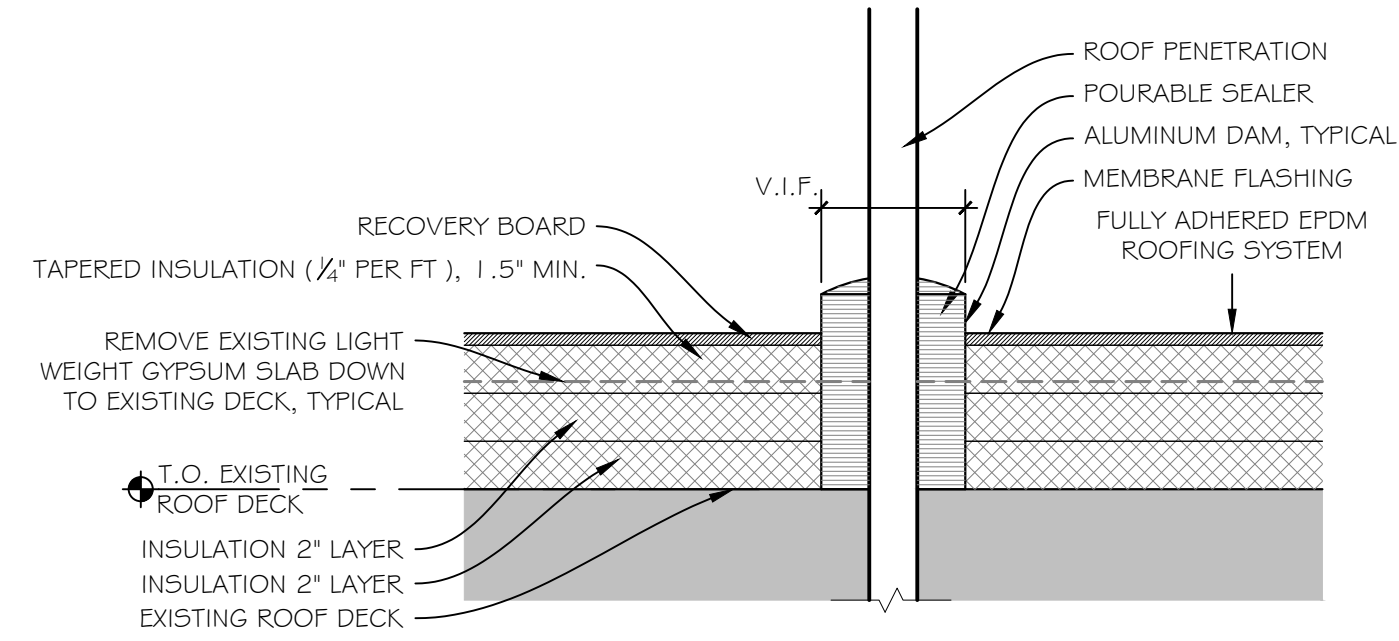
**ROOF PLAN**  
SCALE: 1/8" = 1'-0"



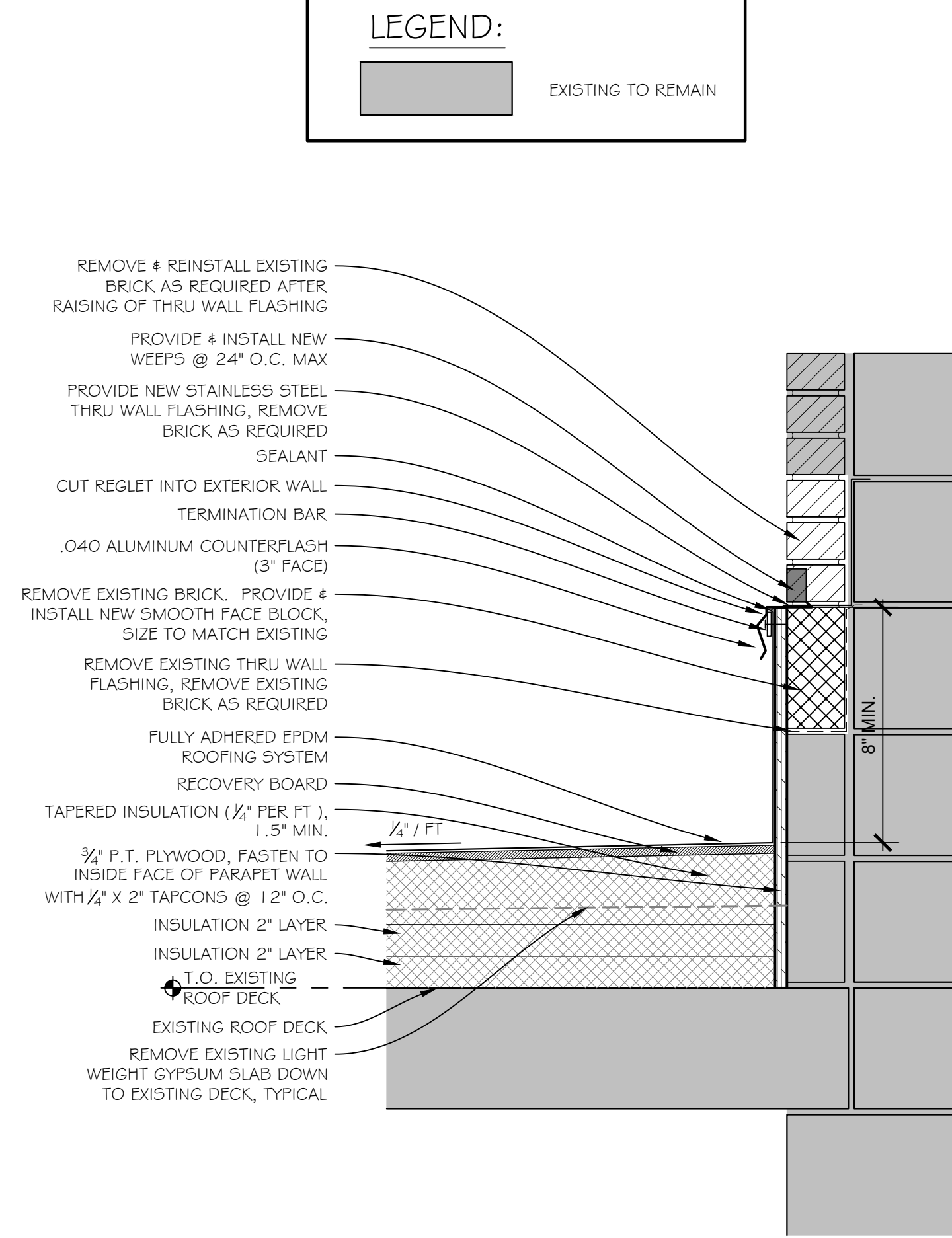
drawing title <b>ROOF PLANS HICKERSON HALL</b>		drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b> 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT		date 11/22/2021
professional seal	REVISIONS			scale AS NOTED
	mark	date	description	drawn by AMT
				project <b>SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL</b> NEW HAVEN, CONNECTICUT
				drawing no. <b>A2.0</b>
	project no. CF-RS-365			



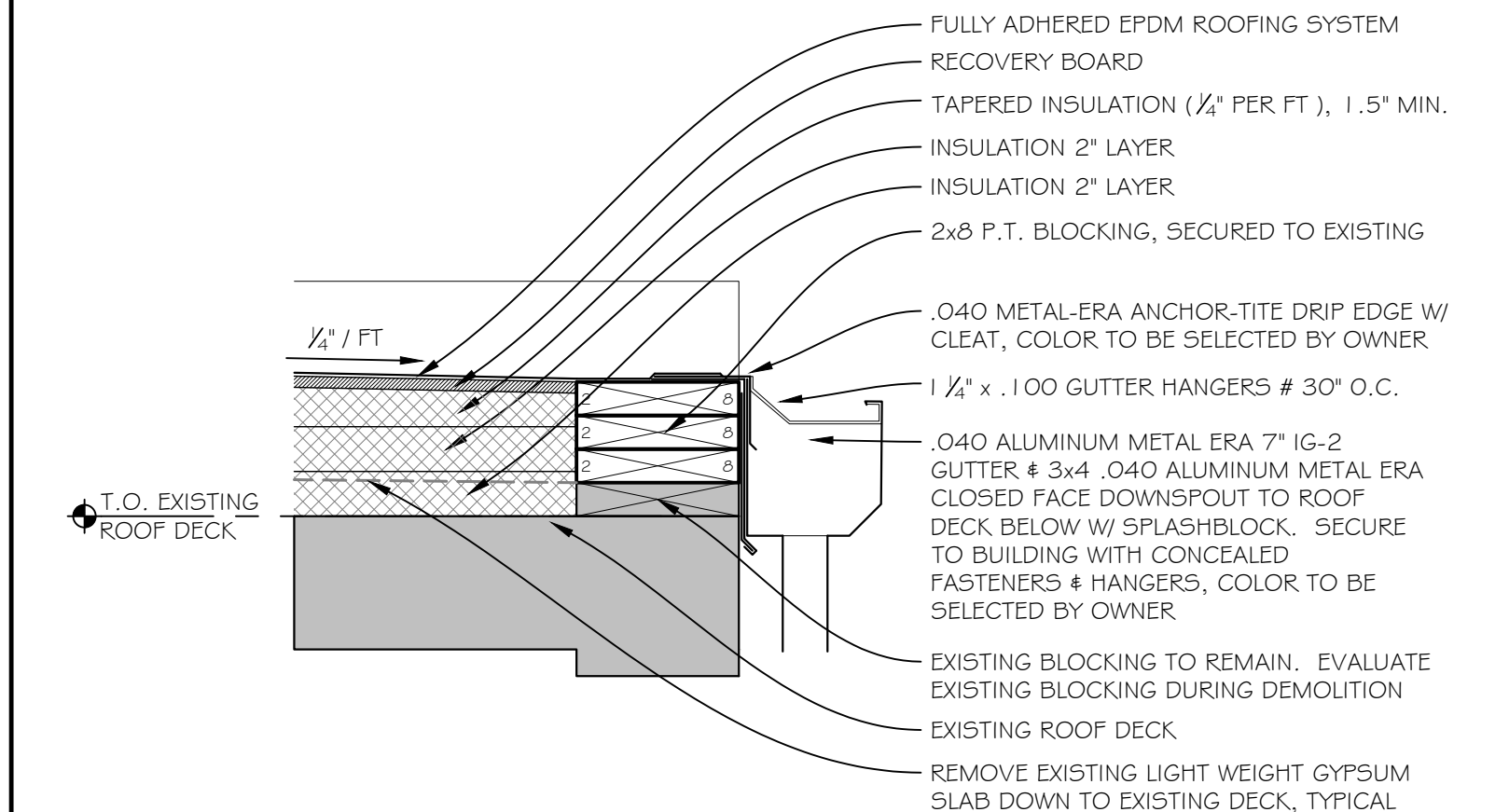
TYPICAL TERMINATION BAR DETAIL @ BRICK  
SCALE: 1 1/2\"/>



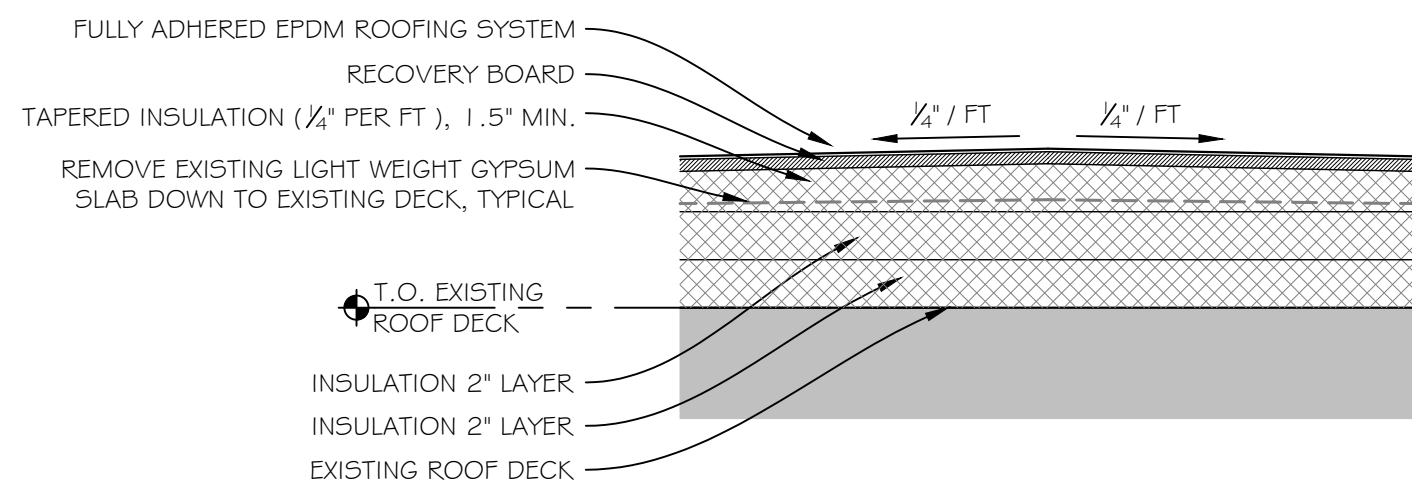
TYPICAL PITCH POCKET DETAIL  
SCALE: 1 1/2\"/>



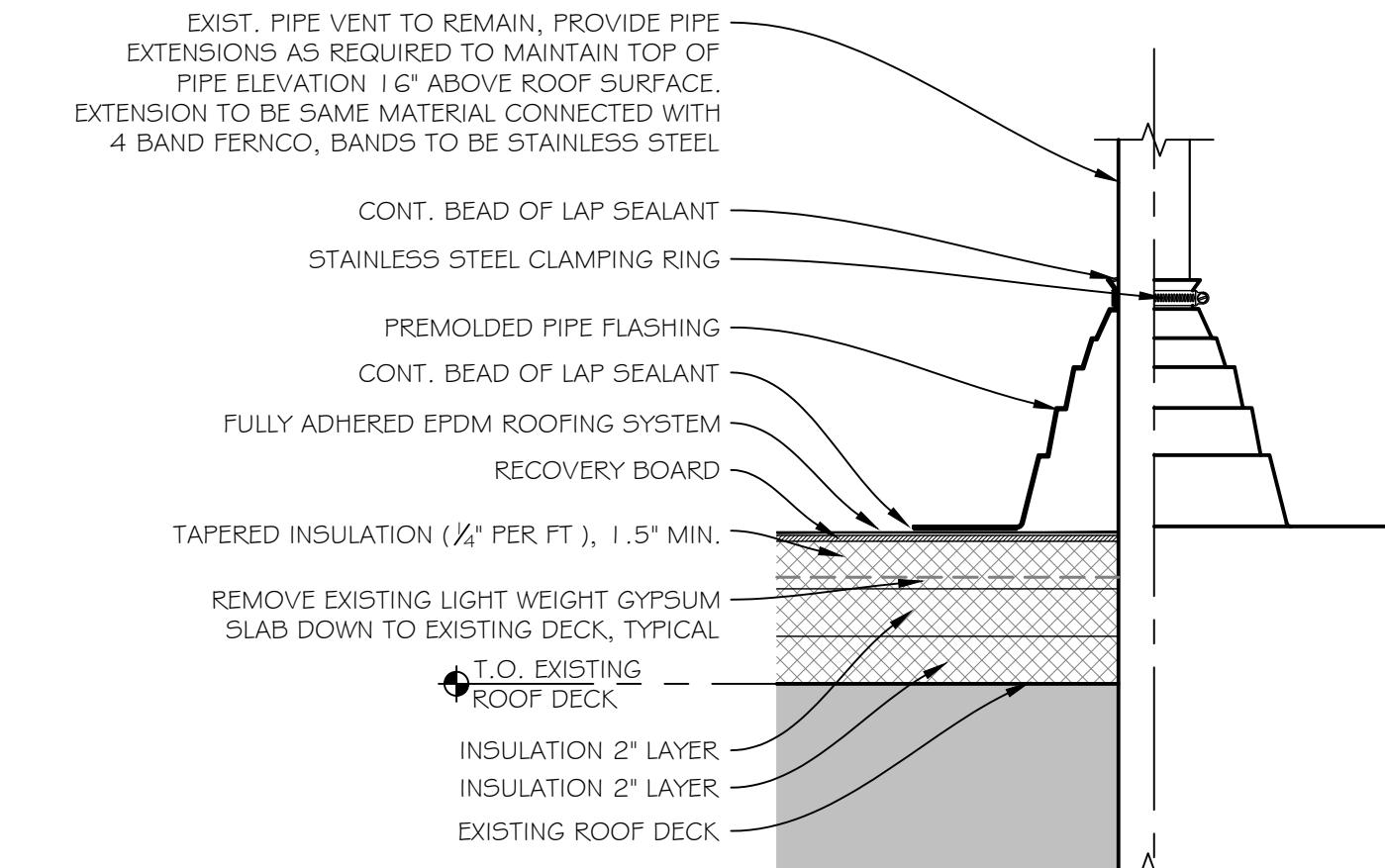
TYPICAL BRICK WALL FLASHING DETAIL  
SCALE: 1 1/2\"/>



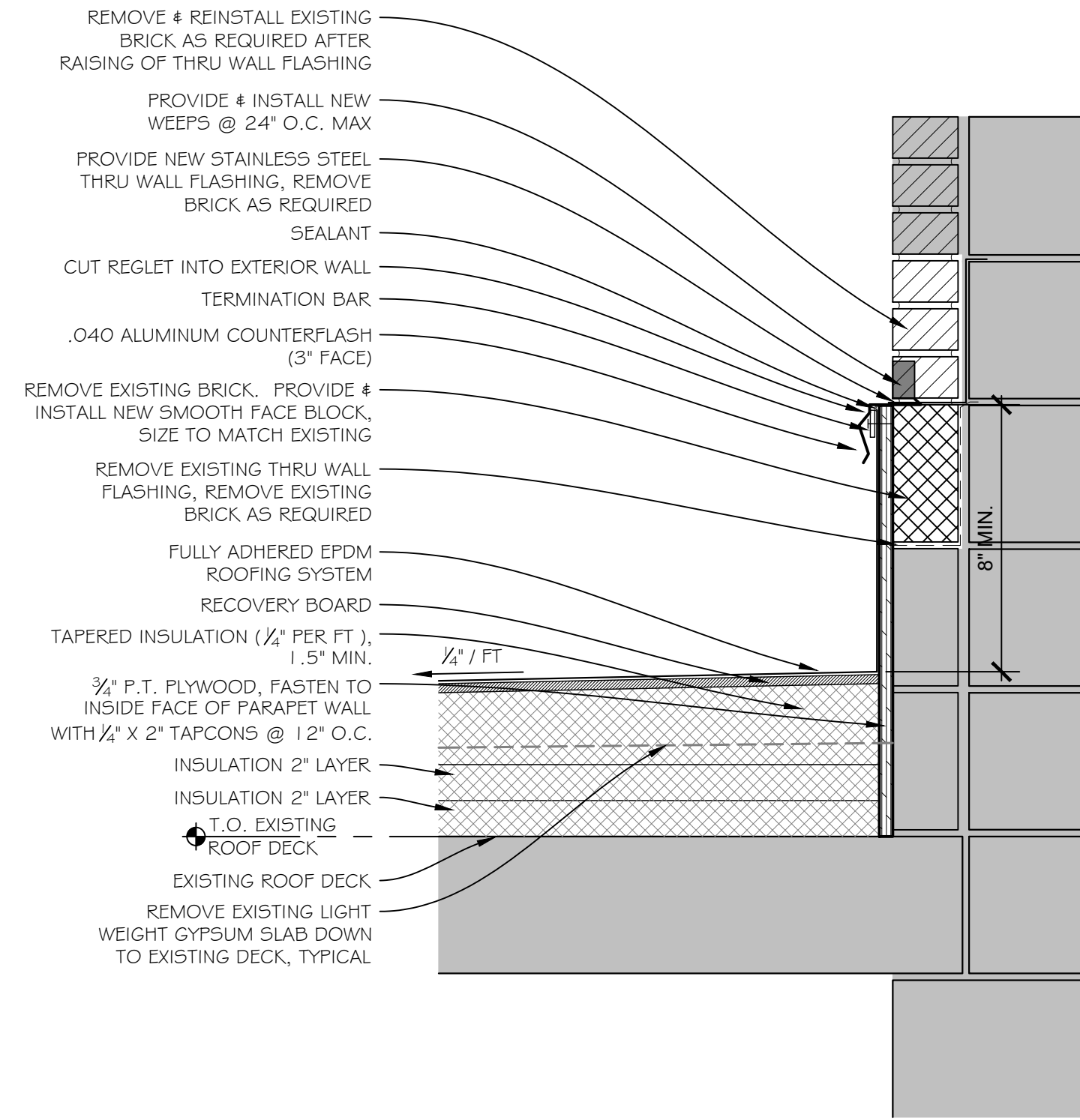
TYPICAL STAIR & ELEVATOR TOWER SCUPPER  
SCALE: 1 1/2\"/>



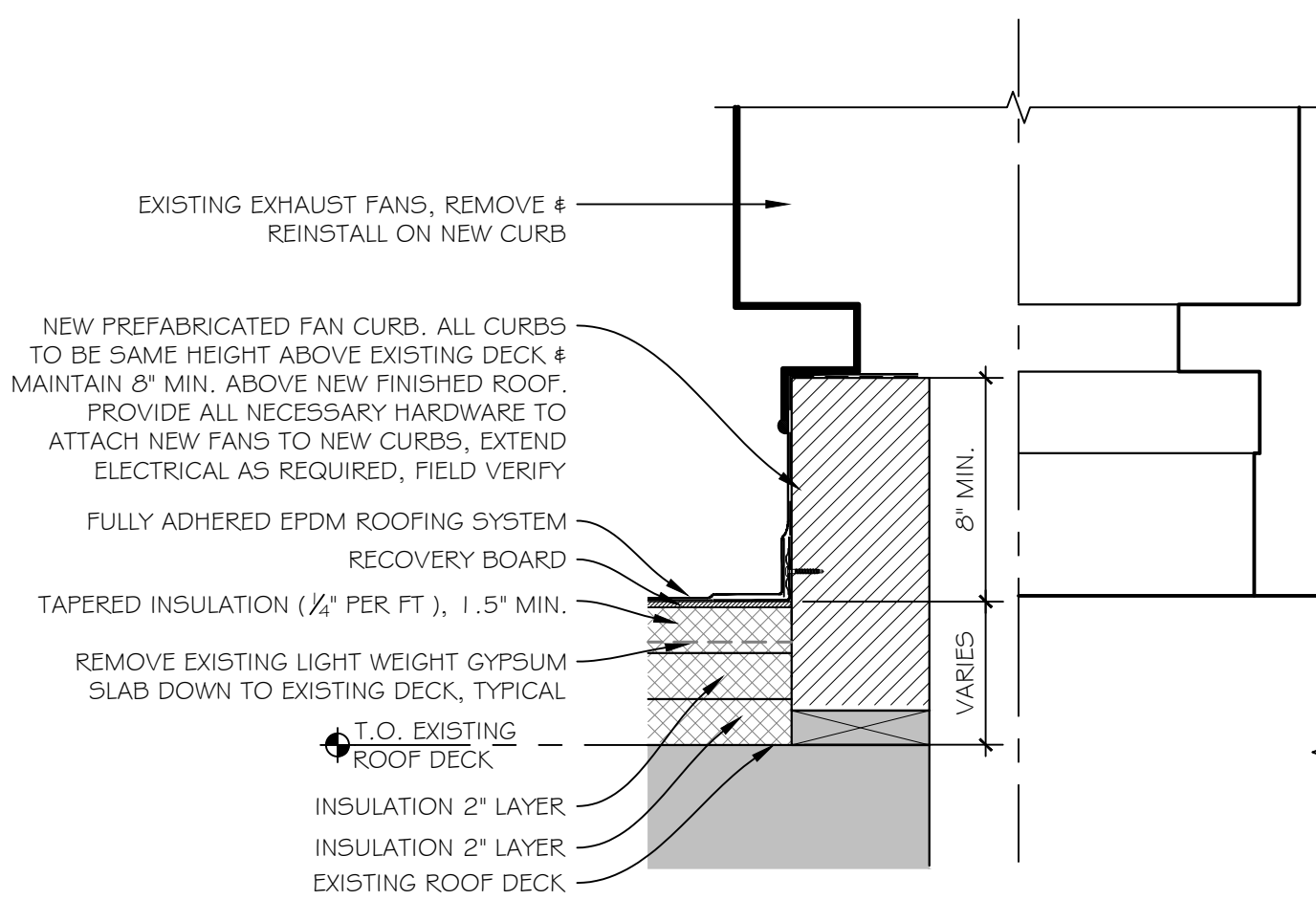
RIDGE DETAIL  
SCALE: 1 1/2\"/>



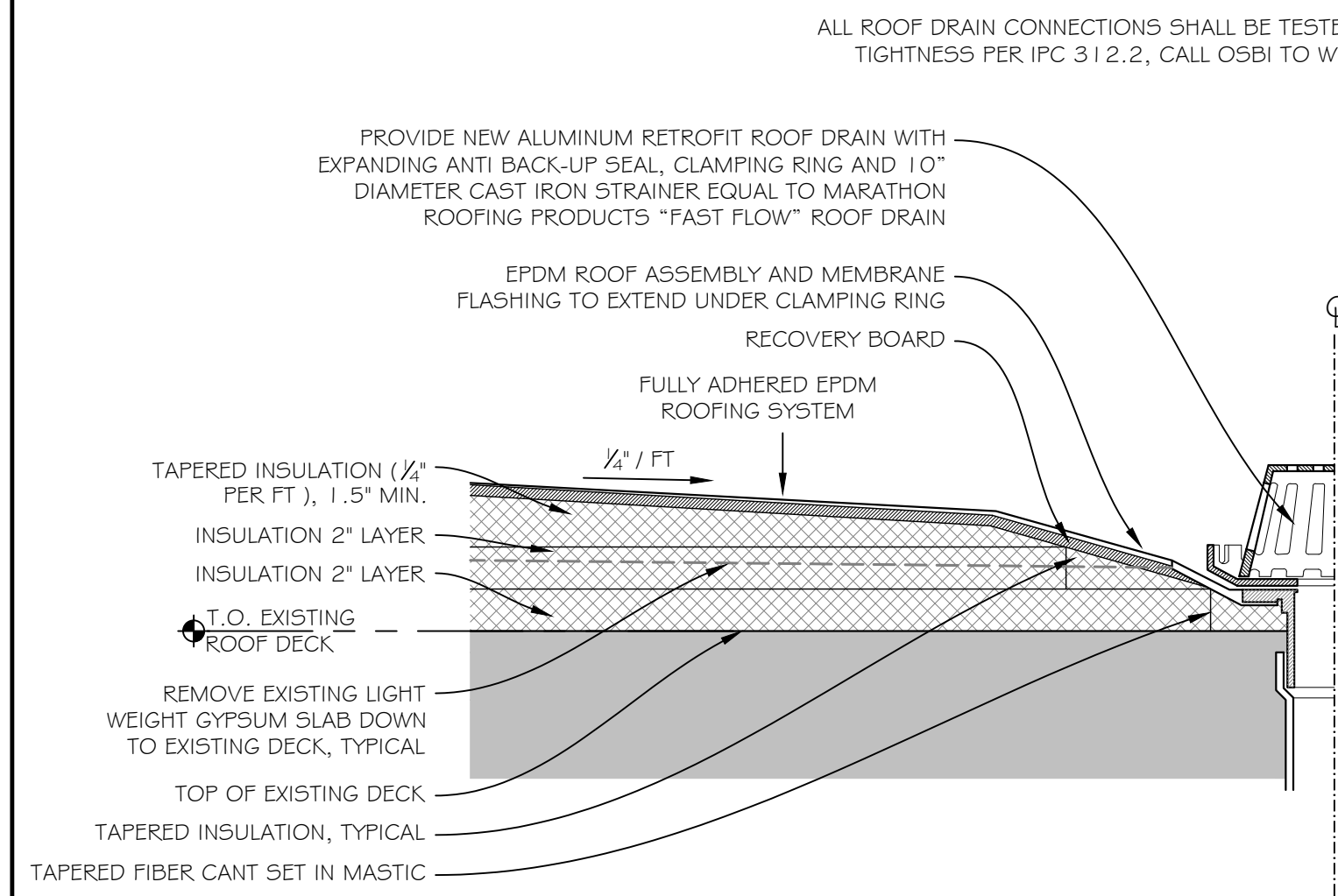
TYPICAL PIPE PENETRATION DETAIL  
SCALE: 1 1/2\"/>



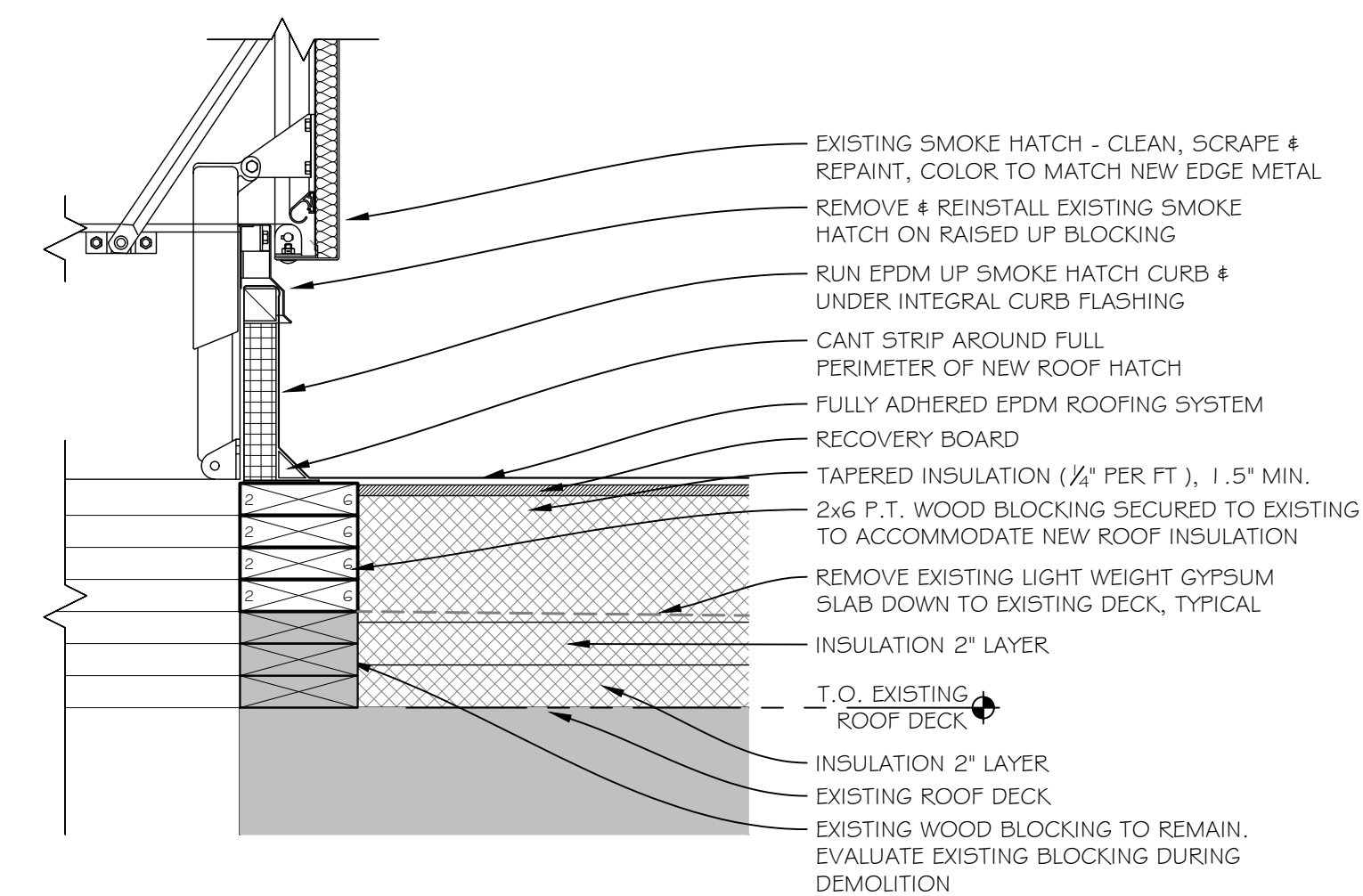
STAIR & ELEVATOR TOWER EDGE DETAIL  
SCALE: 1 1/2\"/>



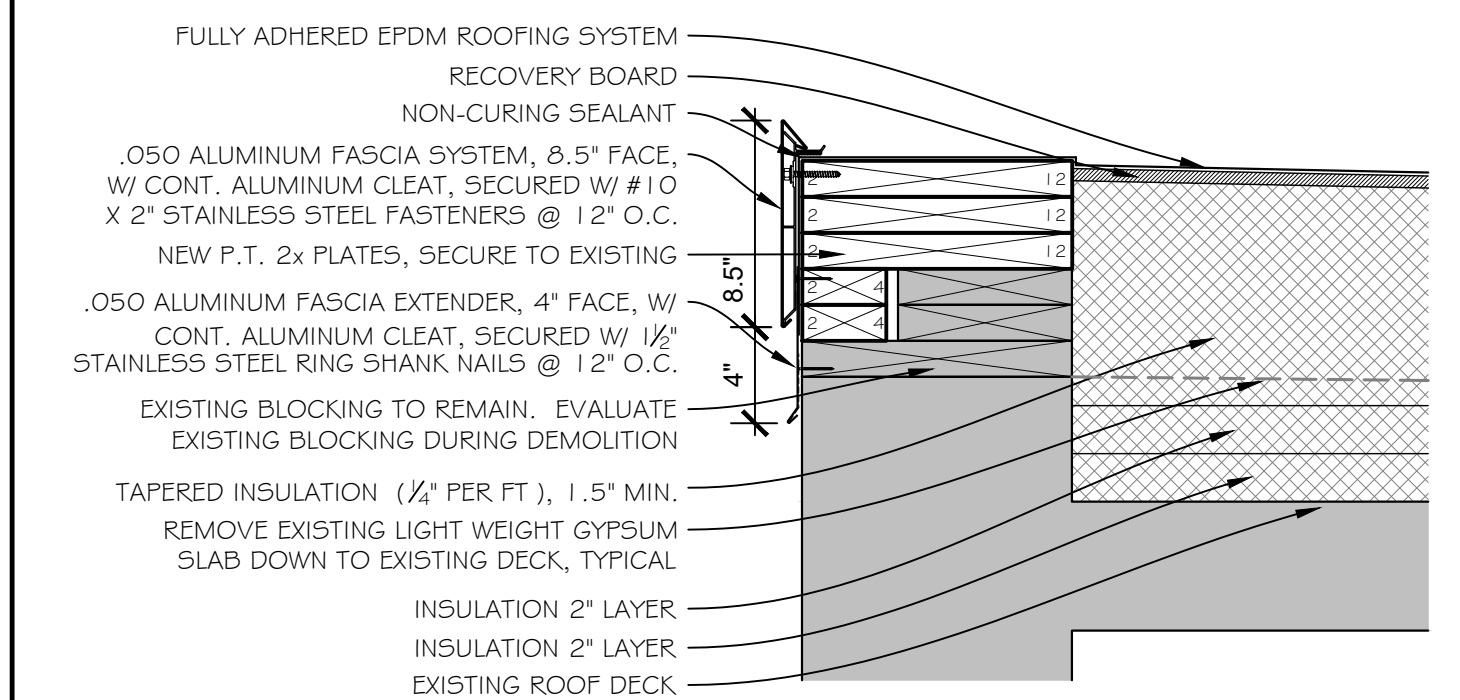
TYPICAL MECHANICAL CURB DETAIL  
SCALE: 1 1/2\"/>



TYPICAL ROOF DRAIN DETAIL  
SCALE: 1 1/2\"/>



SMOKE HATCH DETAIL  
SCALE: 1 1/2\"/>



TYPICAL ROOF EDGE DETAIL  
SCALE: 1 1/2\"/>

SEE ROOF PLAN KEY AND GENERAL ROOFING NOTES ON PAGE A2.0 FOR MORE INFORMATION

ROOF DETAILS HICKERSON HALL			
REVISIONS		drawing title	
mark	date	description	drawing title

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES			
drawing prepared by			date
project			scale
project no.			drawing no.
QUISENBERRY ARCARI MALIK, LLC 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT			11/22/2021
SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL NEW HAVEN, CONNECTICUT			AS NOTED
CF-RS-365			AMT
			A2.1

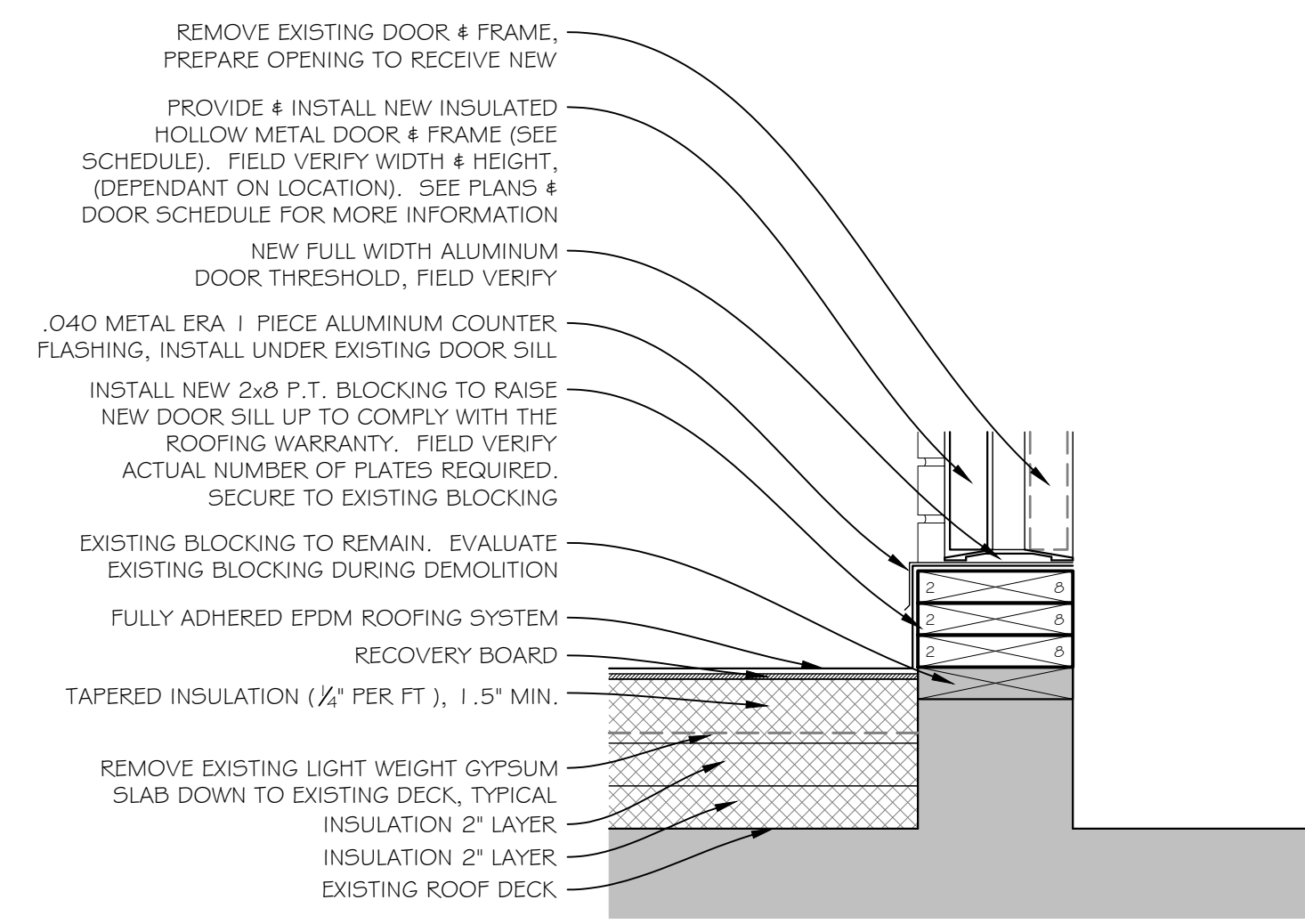


METAL EDGING						
DESCRIPTION	SIZE	ANCHOR MATERIAL	ANCHOR TYPE	COVER MATERIAL	THICKNESS	NOTES
FASCIA	8.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.050"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
FASCIA EXTENDER	4"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.050"	SECURED WITH 4D - 1/2" STAINLESS STEEL RING SHANK NAILS @ 12" O.C.

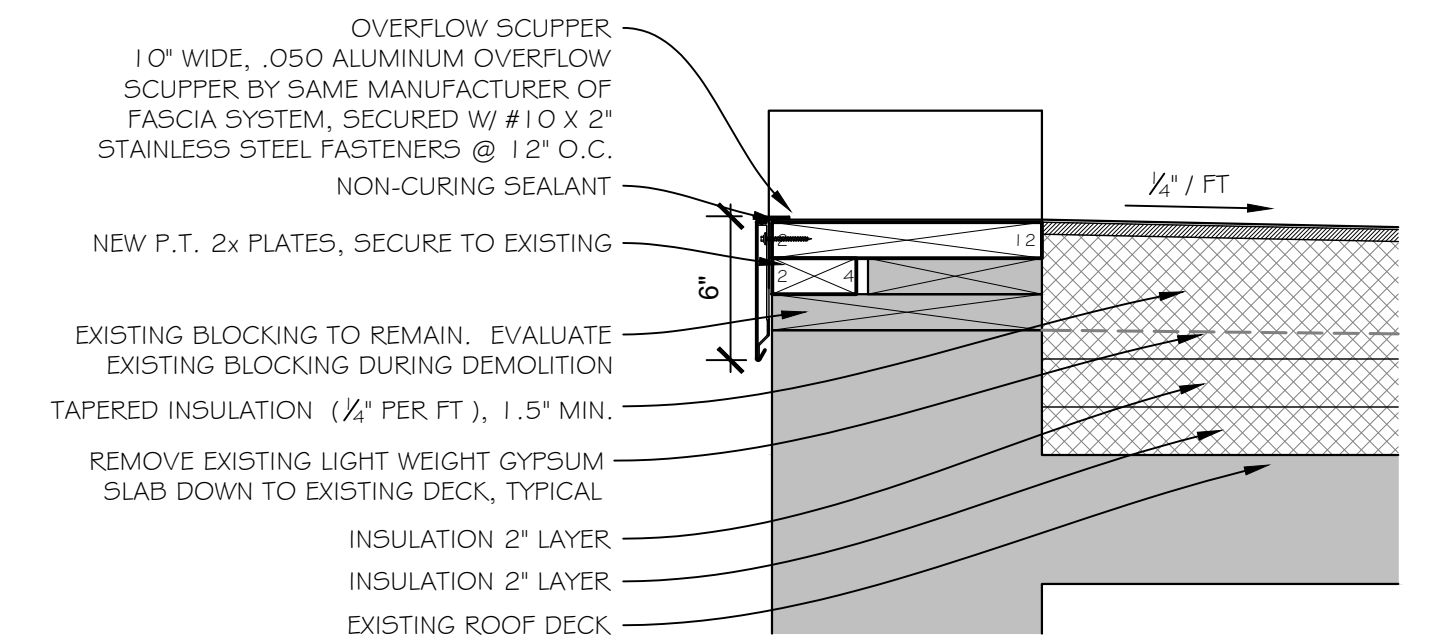
GENERAL NOTES:

- MAIN ROOF PERIMETER FLASHING ASSEMBLY RATING
  - ZONE 2 (PERIMETER AREAS) - 180
  - ZONE 3 (CORNER AREAS) - 240
- PENTHOUSE ROOF PERIMETER FLASHING ASSEMBLY RATING
  - ZONE 2 (PERIMETER AREAS) - 195
  - ZONE 3 (CORNER AREAS) - 255

METAL EDGING SCHEDULE  
SCALE: N.T.S.



TYPICAL DOOR SILL DETAIL (S-1)  
SCALE: 1 1/2" = 1'-0"



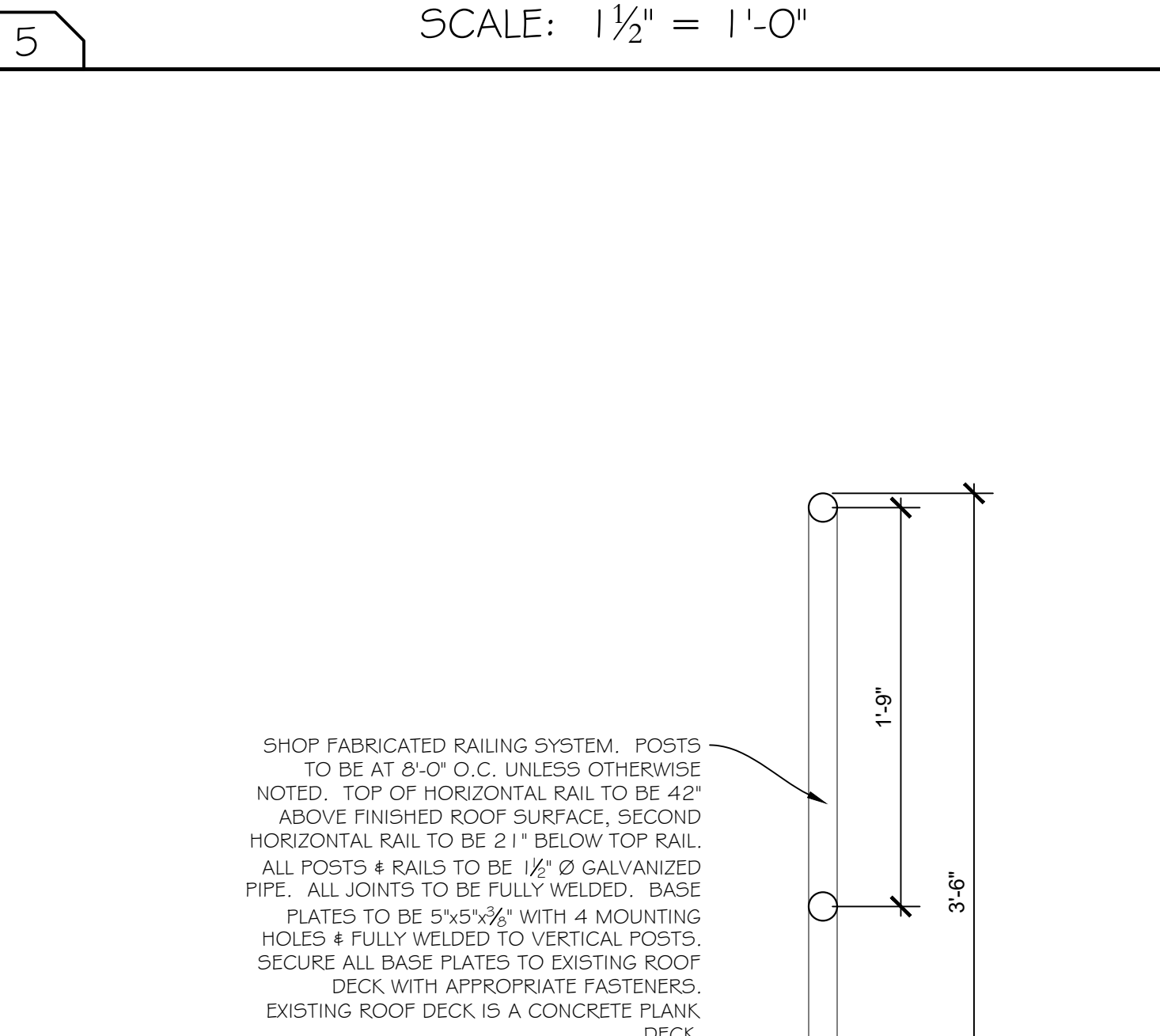
OVERFLOW SCUPPER DETAIL  
SCALE: 1 1/2" = 1'-0"

DOOR ID	LOCATION	DOOR SIZE (WH)	DOOR MATERIAL-TYPE (SEE DOOR ELEVATIONS)	FRAME MATERIAL-TYPE (SEE FRAME ELEVATIONS)	FRAME			HARDWARE-SEE SPECIFICATIONS										REMARKS	
					HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	1 HR FIRE RATED	POSITIVE LATCHING	SELF-CLOSING HINGES	CLOSER WITH HOLD OPEN LOCKSET	ALUMINUM THRESHOLD	FLAT FINISH MONOSTRIPPING	STRIKE	BUTTS HINGES				
1	STAIR	3'-0" x 5'-1 1/2" (V.I.F.)	HM-I	HM-I	H-I	J-I	S-I												LEFT HAND DOOR (OUTSWING TO ROOF). SEE NOTE 5 ABOUT SECURITY WIRING
2	FAN ROOM	2'-10" x 6'-4" (V.I.F.)	HM-I	HM-I	H-I	J-I	S-I												RIGHT HAND DOOR (OUTSWING TO ROOF)
3	ELEVATOR MACHINE ROOM	2'-9" x 5'-1 1/2" (V.I.F.)	HM-I	HM-I	H-I	J-I	S-I												RIGHT HAND DOOR (OUTSWING TO ROOF)

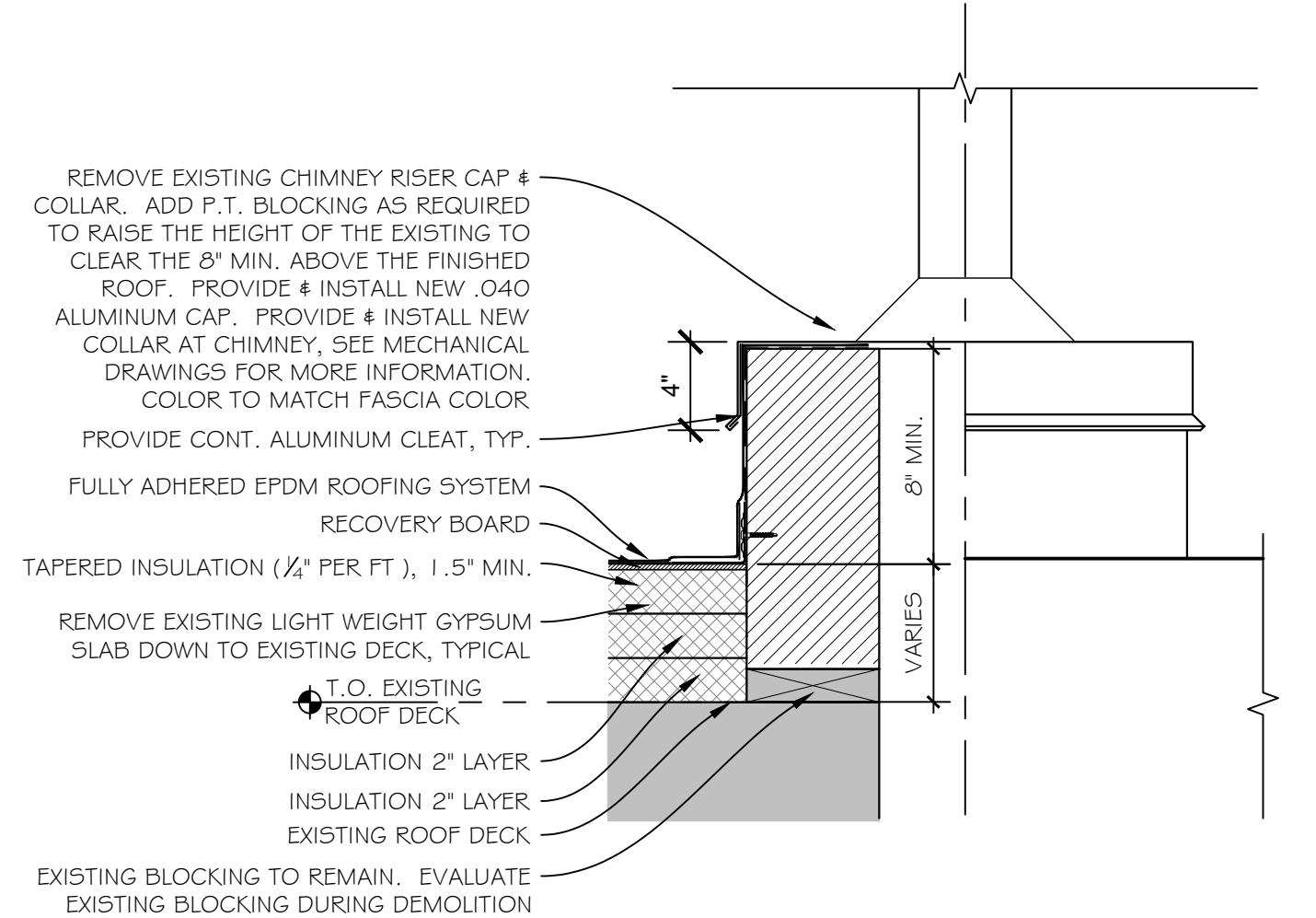
GENERAL NOTES:

- REMOVE, STORE # REINSTALL EXISTING LOCKSETS ON NEW DOORS
- DOOR # FRAME COLOR TO MATCH EXISTING, FIELD VERIFY COLOR
- NEW DOOR HARDWARE TO BE SATIN CHROMIUM PLATED
- DOOR SIZES NOTED ABOVE ARE APPOINTED FOR PURPOSES OF BIDDING AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL OPENINGS PRIOR TO BIDDING, ORDERING # CONSTRUCTION
- REMOVE EXISTING SECURITY WIRING # DEVICES FROM EXISTING DOOR # FRAME. REINSTALL ALL WIRING # DEVICES ON NEW DOOR # FRAME. COORDINATE WITH SCSU FACILITIES # SECURITY BEFORE STARTING WORK
- ALL HOLLOW METAL DOORS # FRAMES TO BE INSULATED

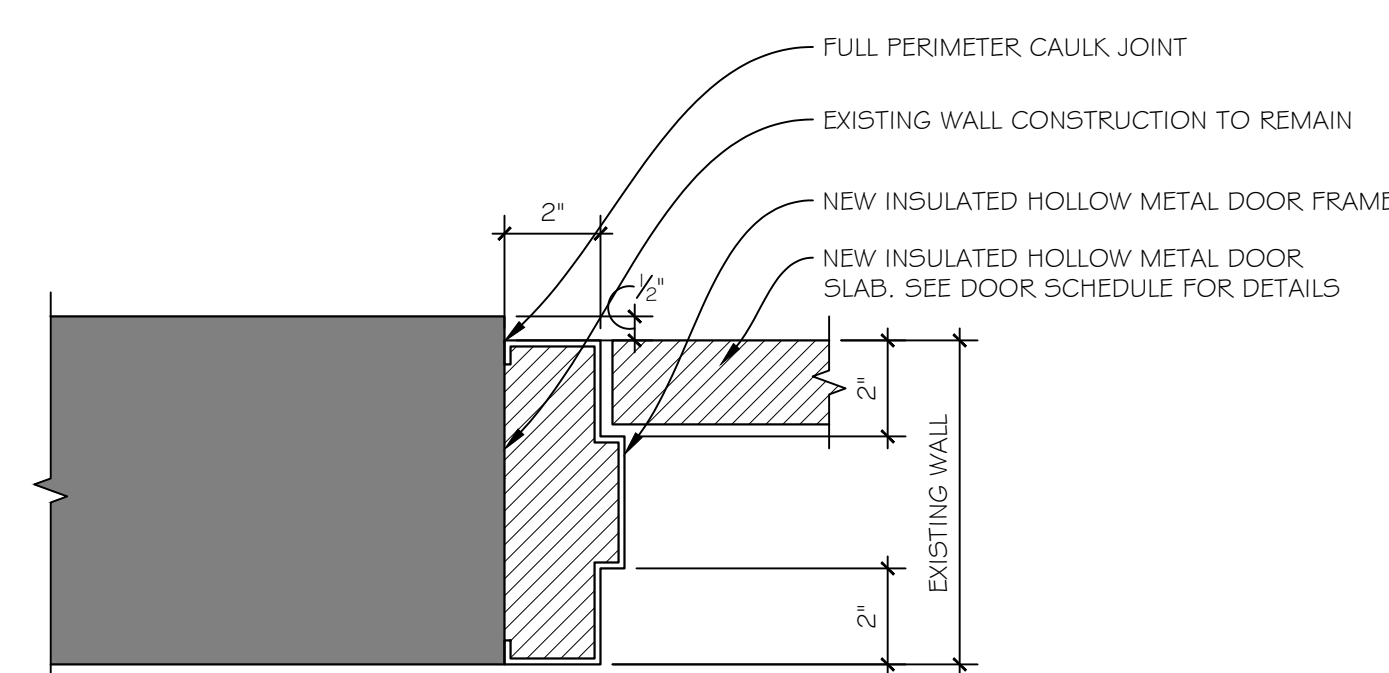
DOOR SCHEDULE  
SCALE: N.T.S.



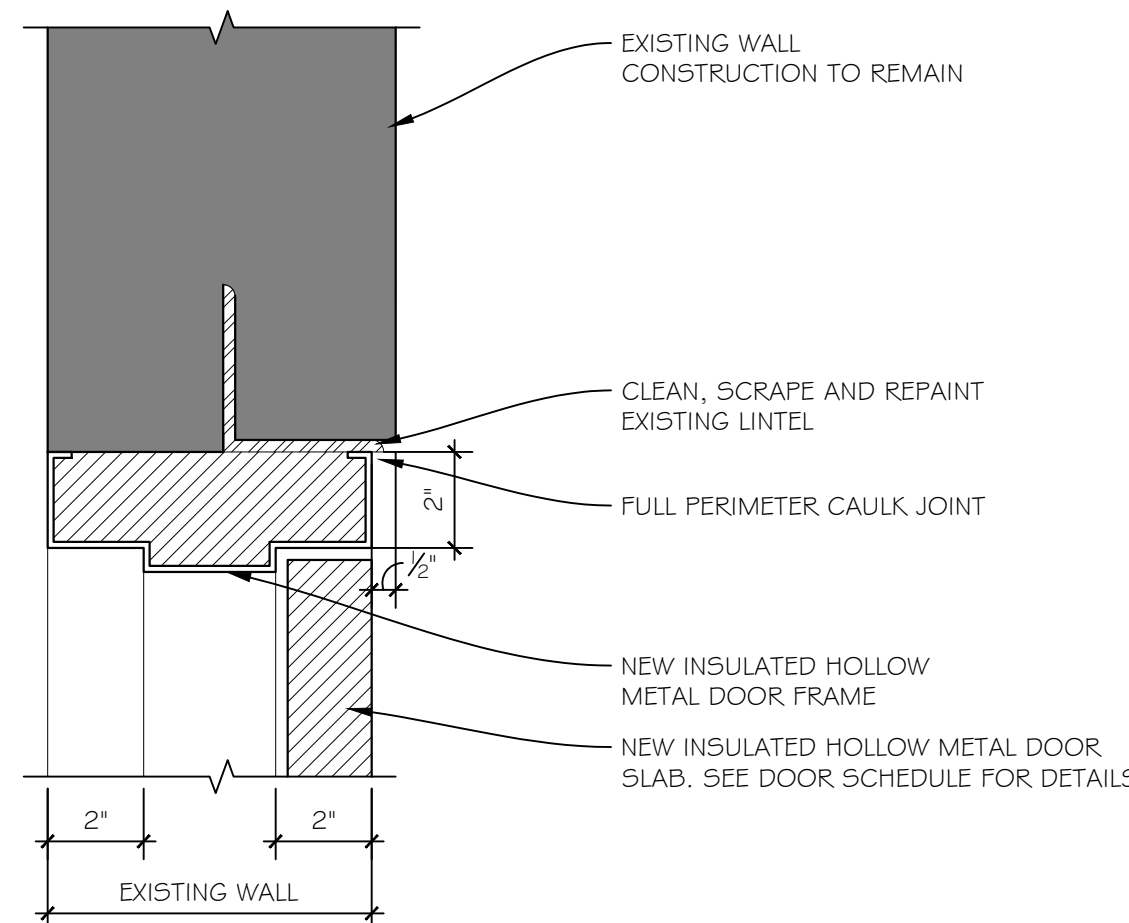
TYPICAL RAILING DETAIL  
SCALE: 1 1/2" = 1'-0"



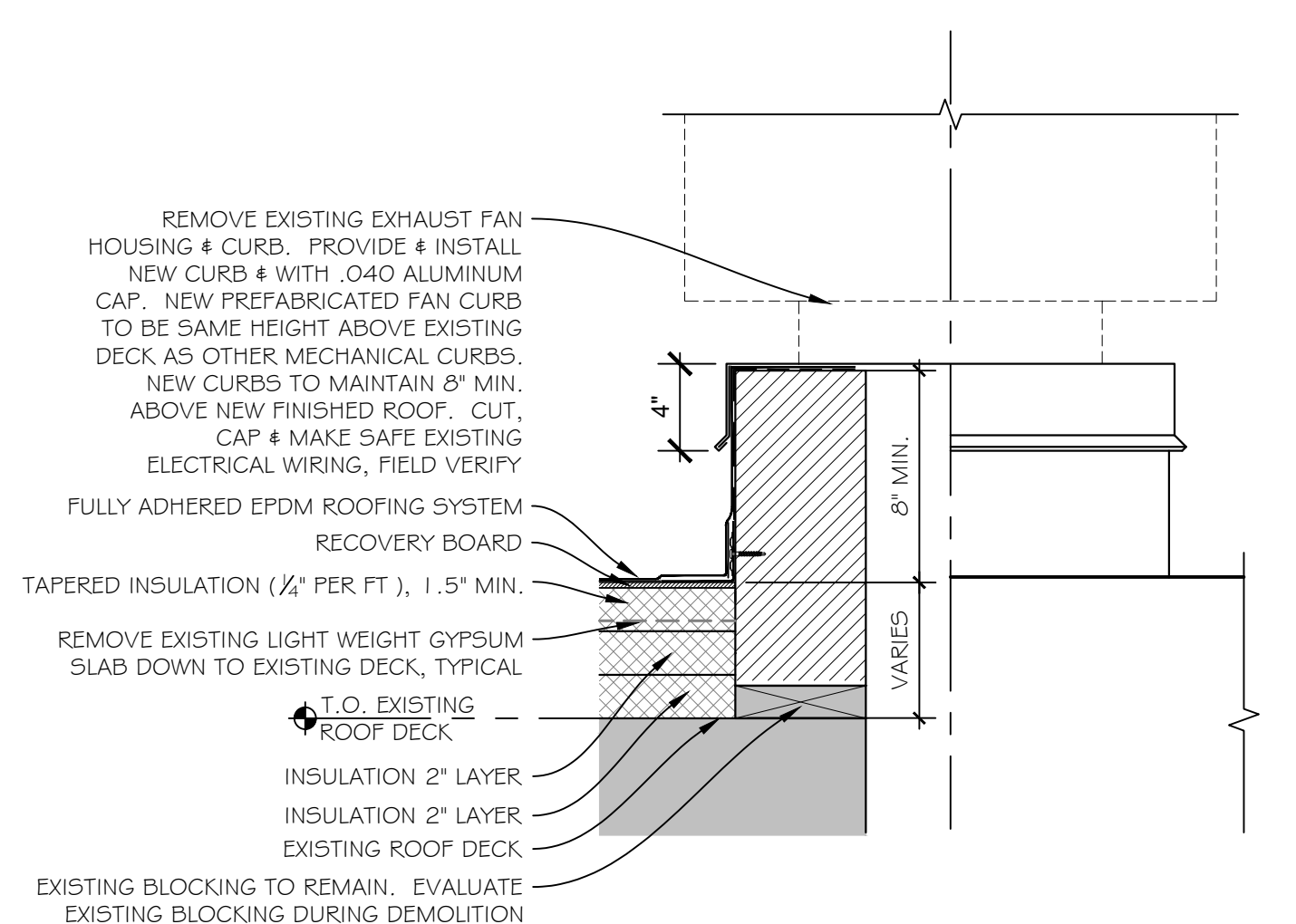
CHIMNEY CURB CAP DETAIL  
SCALE: 1 1/2" = 1'-0"



JAMB DETAIL (J-1)  
SCALE: N.T.S.



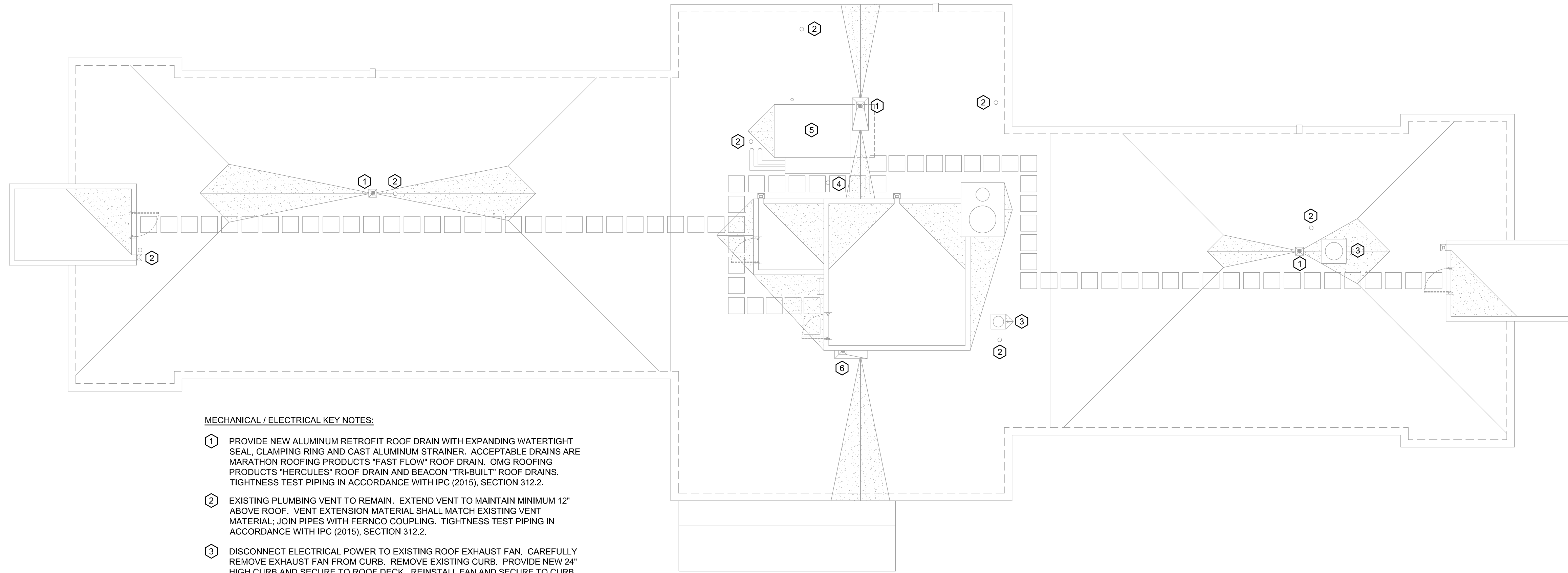
HEAD DETAIL (H-1)  
SCALE: N.T.S.



CURB CAP DETAIL  
SCALE: 1 1/2" = 1'-0"

SEE ROOF PLAN KEY AND GENERAL ROOFING NOTES ON PAGE A2.0 FOR MORE INFORMATION

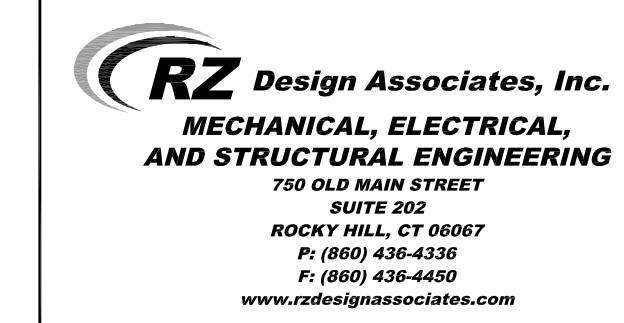
drawing title <b>ROOF DETAILS HICKERSON HALL</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS	drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b> 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT	date 11/22/2021
	mark date description	project <b>SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL</b> NEW HAVEN, CONNECTICUT	scale AS NOTED
		project no. CF-RS-365	drawn by AMT
			drawing no. <b>A2.2</b>



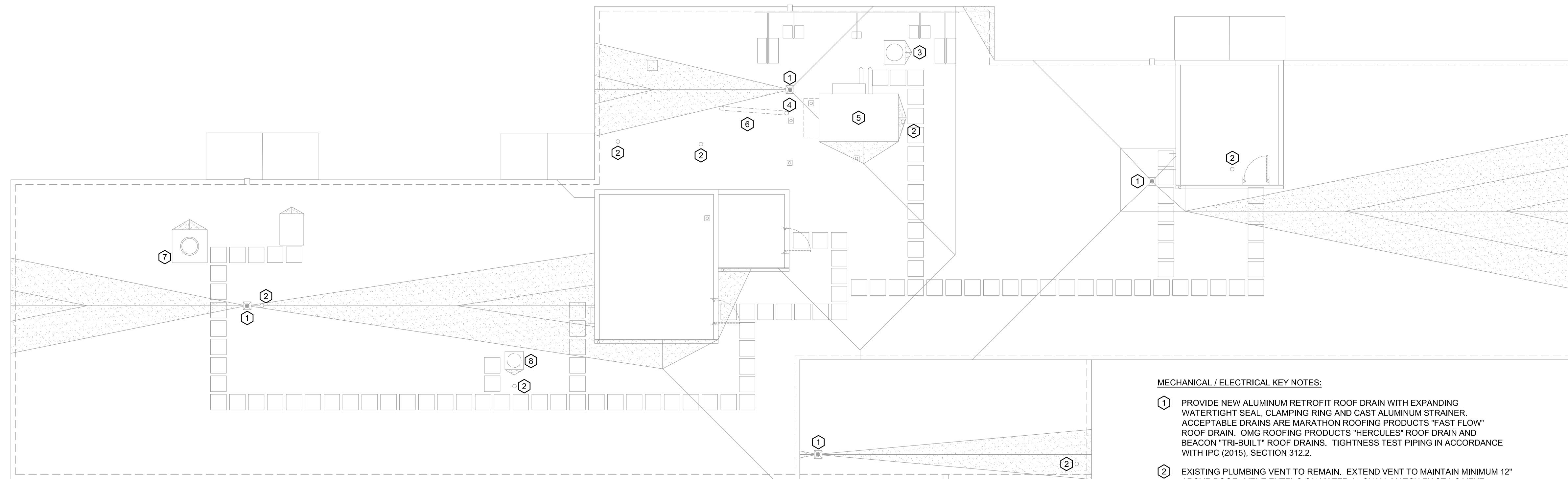
**MECHANICAL / ELECTRICAL KEY NOTES:**

- ① PROVIDE NEW ALUMINUM RETROFIT ROOF DRAIN WITH EXPANDING WATERTIGHT SEAL, CLAMPING RING AND CAST ALUMINUM STRAINER. ACCEPTABLE DRAINS ARE MARATHON ROOFING PRODUCTS "FAST FLOW" ROOF DRAIN, OMG ROOFING PRODUCTS "HERCULES" ROOF DRAIN AND BEACON "TRI-BUILT" ROOF DRAINS. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
- ② EXISTING PLUMBING VENT TO REMAIN. EXTEND VENT TO MAINTAIN MINIMUM 12" ABOVE ROOF. VENT EXTENSION MATERIAL SHALL MATCH EXISTING VENT MATERIAL. JOIN PIPES WITH FERNCO COUPLING. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
- ③ DISCONNECT ELECTRICAL POWER TO EXISTING ROOF EXHAUST FAN. CAREFULLY REMOVE EXHAUST FAN FROM CURB. REMOVE EXISTING CURB. PROVIDE NEW 24" HIGH CURB AND SECURE TO ROOF DECK. REINSTALL FAN AND SECURE TO CURB. PROVIDE WIRE AND CONDUIT TO EXTEND EXISTING ELECTRICAL POWER AND RECONNECT TO FAN. VERIFY PROPER OPERATION OF FAN.
- ④ EXISTING PLUMBING VENT TO REMAIN. EXTEND VENT TO MAINTAIN MINIMUM 24" ABOVE MAKE-UP AIR UNIT. VENT EXTENSION MATERIAL SHALL MATCH EXISTING VENT MATERIAL. JOIN PIPES WITH FERNCO COUPLING. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
- ⑤ DISCONNECT ELECTRICAL POWER TO EXISTING MAKE-UP AIR UNIT. DRAIN, DISCONNECT AND REMOVE HEATING HOT WATER SUPPLY AND RETURN PIPES ABOVE ROOF TO MAKE-UP AIR UNIT. CAREFULLY REMOVE MAKE-UP AIR UNIT FROM CURB. REMOVE EXISTING CURB. PROVIDE NEW 24" HIGH CURB AND SECURE TO ROOF DECK. REINSTALL MAKE-UP AIR UNIT AND SECURE TO CURB. PROVIDE WIRE AND CONDUIT TO EXTEND EXISTING ELECTRICAL POWER AND RECONNECT TO MAKE-UP AIR UNIT. PROVIDE NEW ASTM A53 SCHEDULE 40 STEEL HEATING HOT WATER SUPPLY AND RETURN PIPING WITH THREADED MALLEABLE IRON FITTINGS ABOVE ROOF AND CONNECT TO EXISTING PIPING. PROVIDE 2" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION AS MANUFACTURED BY ARMACELL, AEROFLEX OR K-FLEX ON PIPING AND COVER WITH 12 MIL THICK MULTI-PLY (PVC/ALUMINUM FOIL/MYLAR FILM) WEATHER-PROOF LAMINATE PROTECTIVE JACKET. FILL, PURGE AND HYDROSTATICALLY TEST THE PIPING AT 1.5 TIMES THE MAXIMUM SYSTEM DESIGN PRESSURE (BUT NOT LESS THAN 100 PSI) FOR A MINIMUM OF 15 MINUTES IN ACCORDANCE WITH IMC (2015), SECTION 1208.1. VERIFY PROPER OPERATION OF UNIT.
- ⑥ REMOVE EXISTING SCUPPER DRAIN. PROVIDE NEW SCUPPER DRAIN WITH COATED CAST IRON BODY, 45° OUTLET, FLASHING CLAMP AND LOOSE SET FLUSH GRATE. ACCEPTABLE DRAINS ARE J.R. SMITH #16407, ZURN #Z189 OR WADE #3290. CONNECT TO EXISTING PIPING USING FERNCO COUPLING. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.

**1** NEFF HALL MECHANICAL / ELECTRICAL ROOF PLAN  
 ME1.0 SCALE: 1/8" = 1'-0"



drawing title <b>NEFF HALL MECHANICAL / ELECTRICAL ROOF PLAN</b>		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		drawing prepared by <b>QUISENBERRY ARCARI MALIK, LLC</b> 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT
	mark	date	description
			project SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL NEW HAVEN, CONNECTICUT
			date 11/22/2021
			scale AS NOTED
			drawn by KAH
			drawing no. <b>ME1.0</b>
			project no. CF-RS-365



**MECHANICAL / ELECTRICAL KEY NOTES:**

- ① PROVIDE NEW ALUMINUM RETROFIT ROOF DRAIN WITH EXPANDING WATERTIGHT SEAL, CLAMPING RING AND CAST ALUMINUM STRAINER. ACCEPTABLE DRAINS ARE MARATHON ROOFING PRODUCTS "FAST FLOW" ROOF DRAIN, OMG ROOFING PRODUCTS "HERCULES" ROOF DRAIN AND BEACON "TRI-BUILT" ROOF DRAINS. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
- ② EXISTING PLUMBING VENT TO REMAIN. EXTEND VENT TO MAINTAIN MINIMUM 12" ABOVE ROOF. VENT EXTENSION MATERIAL SHALL MATCH EXISTING VENT MATERIAL; JOIN PIPES WITH FERNCO COUPLING. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
- ③ DISCONNECT ELECTRICAL POWER TO EXISTING ROOF EXHAUST FAN. CAREFULLY REMOVE EXHAUST FAN FROM CURB. REMOVE EXISTING CURB. PROVIDE NEW 24" HIGH CURB AND SECURE TO ROOF DECK. REINSTALL FAN AND SECURE TO CURB. PROVIDE WIRE AND CONDUIT TO EXTEND EXISTING ELECTRICAL POWER AND RECONNECT TO FAN. VERIFY PROPER OPERATION OF FAN.
- ④ EXISTING PLUMBING VENT TO REMAIN. EXTEND VENT TO MAINTAIN MINIMUM 24" ABOVE MAKE-UP AIR UNIT. VENT EXTENSION MATERIAL SHALL MATCH EXISTING VENT MATERIAL; JOIN PIPES WITH FERNCO COUPLING. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
- ⑤ DISCONNECT ELECTRICAL POWER TO EXISTING MAKE-UP AIR UNIT. DRAIN, DISCONNECT AND REMOVE HEATING HOT WATER SUPPLY AND RETURN PIPES ABOVE ROOF TO MAKE-UP AIR UNIT. CAREFULLY REMOVE MAKE-UP AIR UNIT FROM CURB. REMOVE EXISTING CURB. PROVIDE NEW 24" HIGH CURB AND SECURE TO ROOF DECK. REINSTALL MAKE-UP AIR UNIT AND SECURE TO CURB. PROVIDE WIRE AND CONDUIT TO EXTEND EXISTING ELECTRICAL POWER AND RECONNECT TO MAKE-UP AIR UNIT. PROVIDE NEW ASTM A53 SCHEDULE 40 STEEL HEATING HOT WATER SUPPLY AND RETURN PIPING WITH THREADED MALLEABLE IRON FITTINGS ABOVE ROOF AND CONNECT TO EXISTING PIPING. PROVIDE 2" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION AS MANUFACTURED BY ARMACELL, AEROFLEX OR K-FLEX ON PIPING AND COVER WITH 12 MIL THICK MULTI-PLY (PVC/ALUMINUM FOIL/MYLAR FILM) WEATHER-PROOF LAMINATE PROTECTIVE JACKET. FILL, PURGE AND HYDROSTATICALLY TEST THE PIPING AT 1.5 TIMES THE MAXIMUM SYSTEM DESIGN PRESSURE (BUT NOT LESS THAN 100 PSI) FOR A MINIMUM OF 15 MINUTES IN ACCORDANCE WITH IMC (2015), SECTION 1208.1. VERIFY PROPER OPERATION OF UNIT.
- ⑥ REMOVE EXISTING PVC VENT OFFSET PIPING.
- ⑦ REMOVE METAL CHIMNEY CURB, CURB COVER AND STORM COLLAR. PROVIDE NEW 24" HIGH CURB TO MATCH EXISTING DIMENSIONS. PROVIDE NEW STAINLESS STEEL CURB COVER AND STORM COLLAR (SUPPLIED BY MANUFACTURER OF THE CHIMNEY) AND SEAL WATER TIGHT.
- ⑧ REMOVE PREVIOUSLY ABANDONED ROOF VENTILATOR AND REMOVE ROOF CURB. MAKE SAFE ANY EXISTING ELECTRICAL WIRING THAT REMAINS. PROVIDE NEW 24" HIGH CURB AND SECURE TO ROOF DECK. PROVIDE NEW STAINLESS STEEL CURB COVER.

**1** HICKERSON HALL MECHANICAL / ELECTRICAL ROOF PLAN  
 ME2.0 SCALE: 1/8" = 1'-0"



drawing title HICKERSON HALL MECHANICAL / ELECTRICAL ROOF PLAN		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES	
professional seal	REVISIONS		date 11/22/2021
	mark	date	description
drawing prepared by QUISENBERRY ARCARI MALIK, LLC 195 SCOTT SWAMP ROAD FARMINGTON, CONNECTICUT		scale AS NOTED	drawn by KAH
project SOUTHERN CONNECTICUT STATE UNIVERSITY ROOF REPLACEMENT AT HICKERSON HALL AND NEFF HALL NEW HAVEN, CONNECTICUT		project no. CF-RS-365	drawing no. ME2.0