STATE OF CONNECTICUT

GOVERNOR NED LAMONT

DEPARTMENT OF ADMINISTRATIVE SERVICES
JOSH GEBALLE
COMMISSIONER

WESTERN CONNECTICUT STATE UNIVERSITY
DR. JOHN B. CLARK
PRESIDENT

ROOF REPLACEMENT AT CENTENNIAL HALL & GRASSO HALL
WESTERN CONNECTICUT STATE UNIVERSITY
DANBURY, CONNECTICUT

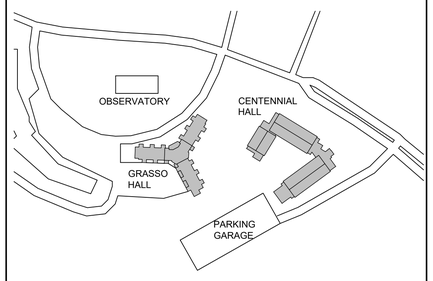
PROJECT NO. BI-RD-315

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

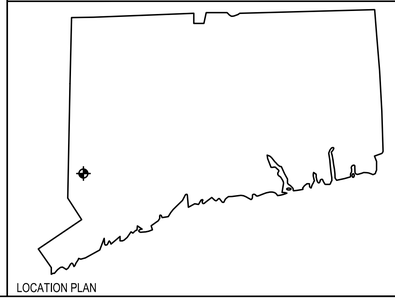
ENGINEER:
RZ DESIGN ASSOCIATES, INC.
750 OLD MAIN STREET
ROCKY HILL, CT, 06067
860-436-4336

CONTRACT DRAWINGS

D.C.S BUILDING NUMBER 00000



SITE PLAN



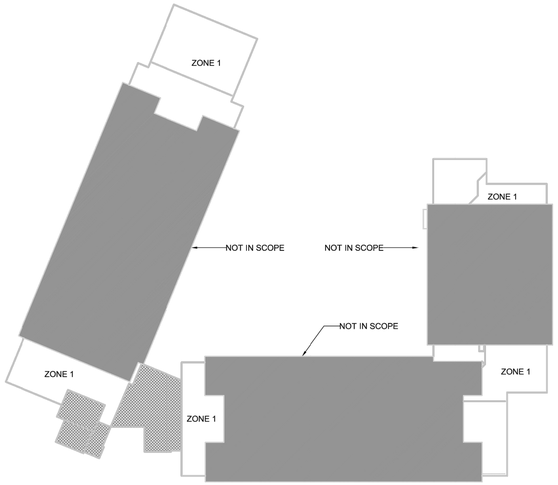
LOCATION PLAN

WIND UPLIFT RATINGS

Roof Area	Height (ft)	Width (ft)	Zone 1 (psf)	Zone 2 (psf)	Zone 3 (psf)	Zone 2 Width	Zone 3 Dimensions
Centennial Hall	45	46	90	120	165	27ft	27' x 27' x 9'
Grasso Hall	45	40	90	120	165	27ft	27' x 27' x 9'

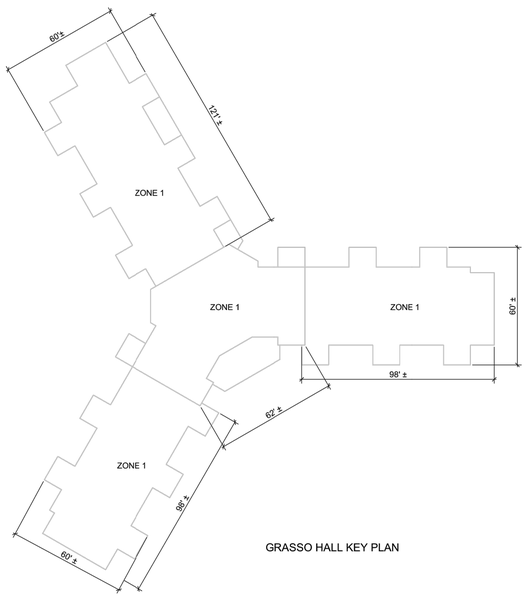
1. WIND SPEED (95 MPH), 3 SEC GUST*
2. GROUND SURFACE ROUGHNESS (C)*
3. IMPORTANCE FACTOR (1.15)*
4. SAFETY FACTOR (2.0)*

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



INDICATES AREAS OF 3" DEEP, 16GA. METAL DECK SPANNING MAX. 6' BASED ON SR1.11

CENTENNIAL HALL KEY PLAN



GRASSO HALL KEY PLAN

ABBREVIATIONS

A.F.F.	Above Finish Floor	HGT.	Height
A.C.	Acoustic, Acoustical	H.M.	Hollow Metal
A.C.T.	Acoustical Tile	HORIZ.	Horizontal
A/C	Air Conditioning	H.B.	Hose Bibb
A.H.U.	Air Handling Unit	IN.	Inch
ALT.	Alternate	INCL.	Included
ALUM.	Aluminum	INFO.	Information
ALF.	Aluminum Frame	I.D.	Inside Diameter
ANCH.	Anchor, Anchorage	INSUL.	Insulation
AB.	Anchor Bolt	INT.	Interior
L	Angle	JT.	Joint
ANOD.	Anodized	K.P.	Kick Plate
APPR.	Approved	LAB	Laboratory
ARCH.	Architect, Architectural	LAV.	Lavatory
ASB.	Asbestos	LTG.	Lighting
A.P.B.O.	As Provided By Owner	MACH.	Machine
A.S.B.O.	As Selected By Owner	MAINT.	Maintenance
ASPH.	Asphalt	MFRG.	Manufacturer
ASSY.	Assembly	M.BD.	Marker Board
ASST.	Assistant	MAS.	Masonry
AUTO.	Automatic	M.O.	Masonry Opening
BM	Beam	MAT.	Material
BRG.	Beanng	MAX.	Maximum
BEV.	Bevel, Beveled	MECH.	Mechanical
BIT.	Bituminous	MEZZ.	Mezzanine
BLK.	Block	MIN.	Minimum
BLKG.	Blocking	MISC.	Miscellaneous
BD.	Board	N	North
BOT.	Bottom	N.I.C.	Not In Contract
B.O.	Bottom Of	N.T.S.	Not To Scale
B.E.J.	Brick Expansion Joint	OFF.	Office
BLDG.	Building	O.C.	On Center
B.U.R.	Built Up Roofing	O.H.	Overhead
CAB.	Cabinet	O.D.	Outside Diameter
C.U.H.	Cabinet Unit Heater	PTD.	Painted
CAP.	Capacity	PR.	Pair
CASE	Casement	P.T.D.	Paper Towel Dispenser
CLG.	Ceiling	PASS.	Passage
CLGHT.	Ceiling Height	PERP.	Perpendicular
CEM.	Cement	PLAS.	Plaster
CTR.	Center	PLAM.	Plastic Laminate
CL.	Centerline	PL.	Plate
C.T.	Ceramic Tile	PLUMB.	Plumbing
C.BD.	Chalk Board	PLYWD.	Plywood
CLO.	Closet	PVC.	Polyvinylchlonde
COL.	Column	P.E.J.	Precast Expansion Joint
CONC.	Concrete	PREFAB.	Prefabncated
CONF.	Conference	QTY.	Quantity
CJ	Control Joint	Q.T.	Quarry Tile
CONT.	Continuous	RAD.	Radius
CONTR.	Contractor	RWC	Rain Water Conductor
CORR.	Corndor	RECV.	Receiving
CRS.	Course, Courses	REFR.	Refngerator
DEG.	Degree	REINF.	Reinforce
DEMO.	Demolition	REM	Remove
DEPT.	Department	REQ'D	Required
DET.	Detail	REV.	Revised, Revision
DIA.	Diameter	R.	Riser
DIM.	Dimension	R.D.	Roof Drain
DIST.	Distance	RM.	Room
DR.	Door	S.N.D.	Sanitary Napkin Dispenser
DBL.	Double	S.N.R.	Sanitary Napkin Receptacle
D.H.	Double Hung	SCHED.	Schedule
DN	Down	SC.	Scupper
D.S.	Downspout	SECT.	Section
DWG.	Drawing	S.J.	Seismic Joint
D.F.	Drinking Fountain	SHT.	Sheet
EA.	Each	SIM.	Similar
ELEC.	Electnc, Electncal	S.D.	Soap Dispenser
EWC.	Electnc Water Cooler	S.T.D.	Sound Transmission Class
EL.	Elevation	S.T.C.	Sound Transmission Coefficient
ELEV.	Elevator	SPEC.	Specifications
EMERG.	Emergency	SQ.	Square
EQ.	Equal	S.F.	Square Feet
EQUIP.	Equipment	S.S.	Stainless Steel
EXIST.	Existing	STD.	Standard
E.T.R.	Existing To Remain	STL.	Steel
EXP.	Expansion	STOR.	Storage
E.J.	Expansion Joint	STRUCT.	Structure, Structural
EXT.	Exterior	S.STL.	Structural Steel
E.I.F.S.	Exterior Insulation Finish System	SUSP.	Suspend, Suspention
FT.	Feet, Foot	S.A.T.C.	Susp. Acoustic Tile Ceiling
F.R.G.P.	Fiber Reinforced Gypsum Panel	T.BD.	Tack Board
FIN.	Finish, Finished	THRU	Through
F.E.	Fire Extinguisher	T.P.D.	Toilet Paper Dispenser
F.R.	Fire Retardant	T.M.E.	To Match Existing
FPRFG.	Fireproofing	T4G	Tounge and Groove
FIXT.	Fixture	T.O.	Top Of
FLASH	Flashing	T.	Tread
FLR.	Floor	TYP.	Typical
F.D.	Floor Drain	U.L.	Underwnter's Laboratory
FLR.FIN.	Floor Finish	U.H.	Unit Heater
FTG.	Footing	U.V.	Unit Ventillator
FDN	Foundation	U.O.N.	Unless Otherwise Noted
FURN.	Furnish, Furnishings, Furniture	VEST.	Vestibule
FURR.	Furred, Furnng	VCT.	Vinyl Composition Tile
GA.	Gauge	W.P.	Waterproofing
GALV.	Galvanized	W.W.F.	Welded Wire Fabnc
GYP. BD.	Gypsum Board	W.BD.	White Board
G.C.	General Contractor	W/	With
H.C.	Handicapped	WD.	Wood

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. THESE PLANS ARE NOT TO BE SCALED FOR CONSTRUCTION PURPOSES. DIMENSION LINES AND 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.
6. ROOFING CONTRACTOR TO VERIFY QUANTITY AND LOCATION OF ROOF PENETRATIONS, AND TO FLASH ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
7. PROVIDE AN ALUMINUM DIVIDER STRIP AT ALL DOOR THRESHOLDS WHERE TWO DIFFERENT FINISHES MEET 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. REMOVE EXISTING ROOF AND SIDING AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION. ERECT TEMPORARY BARRIERS OR PROTECTIONS AS NECESSARY TO PROTECT THE EXISTING BUILDING FROM THE ELEMENTS DURING THE CONSTRUCTION PROCESS.
8. 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

SITE WORK

1. GUTTERS AND DOWNSPOUTS SHALL DISCHARGE AT PERIMETER DRAIN IF PROVIDED OR AT GUTTER SPLASH BLOCKS UNLESS LOCAL CODES REQUIRE STORM WATER MANAGEMENT SYSTEMS. REFER TO APPROVED SITE PLAN FOR STORM WATER MANAGMENT SYSTEM PIPING DETAILS.

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.

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. MECHANICAL CONTRACTOR SHALL DESIGN, PURCHASE AND INSTALL ALL NEW COMPONENTS AS REQUIRED TO PROPERLY CONDITION THE SPACE(S) AFFECTED BY THIS CONSTRUCTION PROJECT. IF THE MODIFICATION OF EXISTING SYSTEMS IS NECESSARY, SUCH MODIFICATIONS SHALL NOT ADVERSELY AFFECT THE OPERATION OF THESE SYSTEMS OR COMPONENTS.
3. COORDINATE MECHANICAL WORK WITH THE WORK OF OTHER TRADES. DO NOT ALTER THE WORK OF PREVIOUS TRADES WITHOUT PRIOR APPROVAL.
4. 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. ELECTRICAL CONTRACTOR SHALL DESIGN, PURCHASE AND INSTALL ALL NEW COMPONENTS AS REQUIRED TO PROPERLY SERVICE THE SPACE(S) AFFECTED BY THIS CONSTRUCTION PROJECT. IF THE MODIFICATION OF EXISTING ELECTRICAL SYSTEMS IS NECESSARY, SUCH MODIFICATIONS SHALL NOT ADVERSELY AFFECT THE OPERATION OF THESE SYSTEMS.
3. COORDINATE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES. DO NOT ALTER THE WORK OF PREVIOUS TRADES WITHOUT PRIOR APPROVAL.
4. PERFORM ALL NEW ELECTRICAL WORK IN ACCORDANCE WITH 2018 CT STATE BUILDING CODE INCLUDING REFERENCED STANDARDS, CT AMENDMENTS AND ACCEPTED STANDARDS OF PRACTICE.
5. COORDINATE THE FINAL LOCATION OF ALL ELECTRICAL DEVICES AND THEIR INTENDED OPERATION WITH THE OWNER.

ARCHITECTURAL SYMBOLS

- EXISTING WALL
- WALL TO BE DEMOLISHED
- NEW STUD WALL
- NEW CMU WALL
- NEW FOUNDATION WALL
- OFFICE 215 — ROOM NAME / ROOM NUMBER
- 2 / A3.2 — SECTION MARKER
- 1 / A2.1 — ELEVATION MARKER
- 203 — DOOR IDENTIFICATION
- C — WINDOW IDENTIFICATION
- 3 — WALL IDENTIFICATION
- Col. 4-D — COLUMN IDENTIFICATION
- ELEVATION MARKER
- EXISTING DOOR
- NEW DOOR

drawing title: GENERAL NOTES

professional seal

REVISIONS

mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no. BI-RD-315

date 02/23/2021
scale AS NOTED
drawn by AMT
drawing no. G1.0

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

END

BUILDING INFORMATION
FOR CODE ANALYSES

Date:	
Project Number:	

CONSTRUCTION INFORMATION

5.0 MEANS OF EGRESS:

5.1	Total Occupant Load (Entire Building)	403
5.2	Total Occupant Load (Largest Floor)	153
5.3	Total Capacity Of Exits	1280
5.4	Total Number of Exits	6

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 exits	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	HS(S)
6.8.2	Supporting one floor only or a roof:	1-1/2	HR(S)
6.8.3	Structural Members Supporting Wall	1-1/2	HR(S)
6.9	**Floor Construction Including Beams**	1-1/2	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 Detection System	Y
7.4	Smoke Control System	N
7.5	Supervision	Y

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 508.1, shall not exceed three.

$$A_{s\,x}\left[A_t + (NS \times I_f)\right]$$

Tabular Allowable area factor, A_t *(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_f (506.3.3)	48 %
Allowable Area, A_a	83,520 sf

MEZZANINES (505)

_____ 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: _____

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:

$$A_{s\,x}\,A_t + (NS \times I_f)$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Allowable Area, A_a	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:

$$A_{s\,x}\left[A_t + (NS \times I_f)\right] \times S_a$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Actual stories above grade plane, S_a	stories
Allowable Area, A_a	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 with:

$$A_{s\,x}\,A_t + (NS \times I_f) \text{ per occupancy}$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Allowable Area, A_a	sf

$$A_{s\,x}\,A_t + (NS \times I_f) \text{ per occupancy (copy table as needed)}$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Allowable Area, A_a	sf

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:	BI-RD-315
Project Name:	Centennial Hall and Grasso Hall - Roof Replacement at WCSU (Grasso Hall)
Project Location:	43 Lake Avenue Extension, Danbury, CT 06811
Date:	01/08/21

The information on this form is intended to expedite the plan review process and is for archival purposes. It assembles all 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:**	☒	YES	☐	NO	☐ N/A
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:**	☐	YES	☐	NO	☒ N/A
2.1	Exceeds Threshold Building Limits	☐	YES	☐	NO	☒ N/A
3.0	**OCCUPANCY CLASSIFICATION**	R-2				
3.1	Mixed Occupancies	N/A				

4.0 HEIGHT AND AREA COMPUTATION + CONSTRUCTION TYPE:

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, one-story building. Use **Case 2** to determine the allowable height and area and permitted types of construction for the building containing a single occupancy, multistory building. Use **Case 3** to determine the allowable height and area and permitted types of construction for the building containing a mixed occupancy, one-story building. Use **Case 4** to determine the allowable height and area and permitted types of construction for the building containing a mixed occupancy, multistory building.

DETERMINE CONSTRUCTION TYPE			FRONTAGE INCREASE				
Actual building area	80,458	ft²	Frontage *(506.3)*	257 North	309 East	60 South	317 West
Allowable area (Table 506.2)	72,000	ft²	Total Frontage *(F)*	685 ft	Perimeter *(P)*	942 ft	
Actual building height	50 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_f) *(506.3.3)*	= 48 %			
Permitted construction types	2A						
Type of construction assumed for review (602.1.1)	2A		$I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$				

GRASSO HALL

3011
Building Information
For Code Analyses

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

END

BUILDING INFORMATION
FOR CODE ANALYSES

3011
Building Information
For Code Analyses

Date:	
Project Number:	

CONSTRUCTION INFORMATION

5.0 MEANS OF EGRESS:

5.1	Total Occupant Load (Entire Building)	911
5.2	Total Occupant Load (Largest Floor)	402
5.3	Total Capacity Of Exits	1440
5.4	Total Number of Exits	7

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 exits	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	HS(S)
6.8.2	Supporting one floor only or a roof:	1-1/2	HR(S)
6.8.3	Structural Members Supporting Wall	1-1/2	HR(S)
6.9	**Floor Construction Including Beams**	1-1/2	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 Detection System	Y
7.4	Smoke Control System	N
7.5	Supervision	Y

3011
Building Information
For Code Analyses

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 508.1, shall not exceed three.

$$A_{s\,x}\left[A_t + (NS \times I_f)\right]$$

Tabular Allowable area factor, A_t *(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_f (506.3.3)	75 %
Allowable Area, A_a	90,000 sf

MEZZANINES (505)

_____ 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: _____

3011
Building Information
For Code Analyses

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:

$$A_{s\,x}\,A_t + (NS \times I_f)$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Allowable Area, A_a	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:

$$A_{s\,x}\left[A_t + (NS \times I_f)\right] \times S_a$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Actual stories above grade plane, S_a	stories
Allowable Area, A_a	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 with:

$$A_{s\,x}\,A_t + (NS \times I_f) \text{ per occupancy}$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Allowable Area, A_a	sf

$$A_{s\,x}\,A_t + (NS \times I_f) \text{ per occupancy (copy table as needed)}$$

Tabular Allowable area factor, A_t *(Table 506.2)*	sf
NS Tabular Allowable area factor, regardless of whether building is sprinklered *(Table 506.2)*	sf
Increase for frontage, I_f (506.3.3)	%
Allowable Area, A_a	sf

3011
Building Information
For Code Analyses

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:	BI-RD-315
Project Name:	Centennial Hall and Grasso Hall - Roof Replacement at WCSU (Centennial Hall)
Project Location:	43 Lake Avenue Extension, Danbury, CT 06811
Date:	01/08/21

The information on this form is intended to expedite the plan review process and is for archival purposes. It assembles all 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:**	☒	YES	☐	NO	☐ N/A
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:**	☐	YES	☐	NO	☒ N/A
2.1	Exceeds Threshold Building Limits	☐	YES	☐	NO	☒ N/A
3.0	**OCCUPANCY CLASSIFICATION**	R-2				
3.1	Mixed Occupancies	N/A				

4.0 HEIGHT AND AREA COMPUTATION + CONSTRUCTION TYPE:

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, one-story building. Use **Case 2** to determine the allowable height and area and permitted types of construction for the building containing a single occupancy, multistory building. Use **Case 3** to determine the allowable height and area and permitted types of construction for the building containing a mixed occupancy, one-story building. Use **Case 4** to determine the allowable height and area and permitted types of construction for the building containing a mixed occupancy, multistory building.

DETERMINE CONSTRUCTION TYPE			FRONTAGE INCREASE				
Actual building area	128,753	ft²	Frontage *(506.3)*	279 North	243 East	279 South	243 West
Allowable area (Table 506.2)	72,000	ft²	Total Frontage *(F)*	1,044 ft	Perimeter *(P)*	1,044 ft	
Actual building height	55 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_f) *(506.3.3)*	= 75 %			
Permitted construction types	2A						
Type of construction assumed for review (602.1.1)	2A		$I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$				

CENTENNIAL HALL

drawing title
BUILDING INFORMATION
CENTENNIAL HALL & GRASSO HALL

professional seal

REVISIONS

mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

date 02/23/2021

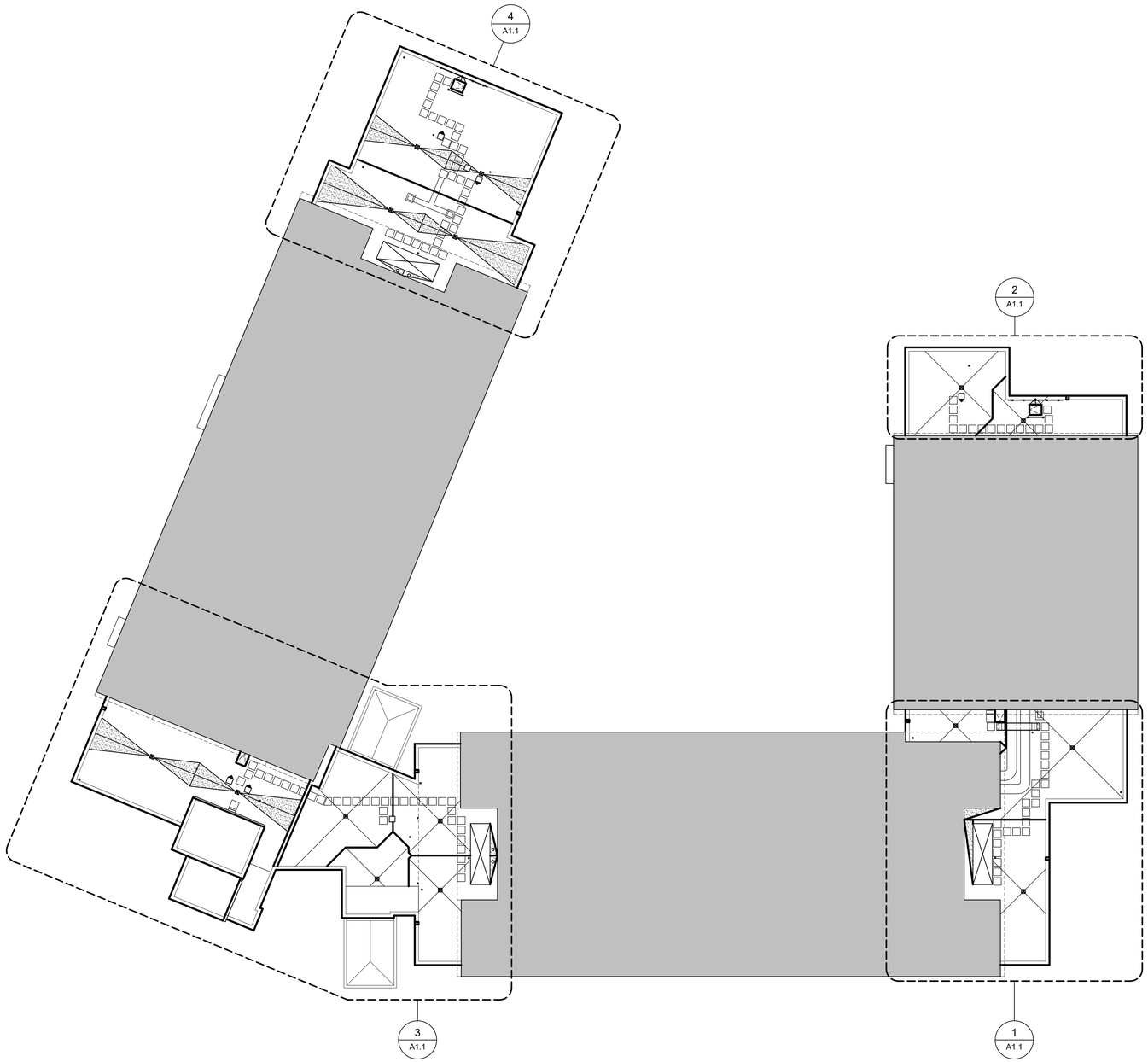
scale AS NOTED

drawn by AMT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL
AND GRASSO HALL
DANBURY, CONNECTICUT

project no. BI-RD-315

drawing no. **G1.1**



ROOF PLAN KEY

A
- EXISTING CONCRETE PLANK DECK
- RIGID INSULATION, 4" MIN. (2 - 2" LAYERS)
- TAPERED INSULATION ¼" PER FOOT, 1.5" MIN. EDGE THICKNESS)
- ½" RECOVERY BOARD
- FULLY ADHERED EPDM ROOF SYSTEM

B
- EXISTING METAL DECK
- RIGID INSULATION, 5" MIN. (MECHANICALLY FASTENED BASE LAYER OF INSULATION, REMAINING INSULATION, COVER BOARD & EPDM MEMBRANE TO BE FULLY ADHERED)
- TAPERED INSULATION ¼" PER FOOT)
- ½" RECOVERY BOARD
- FULLY ADHERED EPDM ROOF SYSTEM

C
- EXISTING SLOPED METAL DECK ¼" PER FT)
- RIGID INSULATION, 5" MIN. (MECHANICALLY FASTENED BASE LAYER OF INSULATION, REMAINING INSULATION, COVER BOARD & EPDM MEMBRANE TO BE FULLY ADHERED)
- TAPERED INSULATION ¼" PER FOOT)
- ½" RECOVERY BOARD
- FULLY ADHERED EPDM ROOF SYSTEM

D
- EXISTING CANOPY METAL DECK
- TAPERED INSULATION ¼" PER FOOT) (MECHANICALLY FASTENED INSULATION, FULLY ADHERED COVERBOARD & EPDM MEMBRANE
- ½" RECOVERY BOARD
- FULLY ADHERED EPDM ROOF SYSTEM

CRICKET ¼" PER FOOT)

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

GENERAL ROOFING NOTES:

CONTRACTOR IS 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, AND REQUIRED EDGE METAL. ROOF IS TO BE STRIPPED DOWN TO THE EXISTING STRUCTURE

CONTRACTOR IS TO PROTECT THE ROOF, PHASE THE DEMOLITION & CONSTRICTION, 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

VERIFY SIZE OF EXISTING ROOF DRAINS IN FIELD

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 ¼-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")

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)

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 ⅜" SELF DRILLING SCREWS, THREE PER SIDE (MINIMUM TOTAL OF 12). FASTEN EXHAUST FAN BASE FRAME TO CURB WITH ¼" #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 ⅜" 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 ⅜" SELF DRILLING SCREWS @ 12" O.C, MAX 4" FROM EACH END (MINIMUM THREE SCREWS PER SUPPORT EDGE). FASTEN BASE OF UNIT TO CURB WITH ¼" #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 ½" 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. (¾" TO 1" WIDE BEADS @ 12" O.C.)

FOR HOT WORK (IF REQUIRED) REFER TO SPEC SECTION 01 35 26, 1.2, E HOT WORK FOR HOT WORK PERMIT REQUIREMENTS

NO SMOKING ON THE ROOF AREAS OR WITHIN THE BUILDING AT ANY TIMES. A DESIGNATED SMOKING AREA WITH ADEQUATE DISPOSAL CONTAINERS WILL BE ESTABLISHED PRIOR TO CONSTRUCTION STARTING

DUE TO PROJECT PROXIMITY TO THE DANBURY MUNICIPAL AIRPORT THE CONTRACTOR IS TO CONTACT THE DANBURY MUNICIPAL AIRPORT WITH BUILDING COORDINATES AND ELEVATION PRIOR TO A CRANE BEING SETUP FOR USE ON THE PROJECT SITE.
DANBURY MUNICIPAL AIRPORT 203-797-4624

ROOF PLAN

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

0 8' 16' 32'

1

drawing title
ROOF PLAN
CENTENNIAL HALL

professional seal

REVISIONS		
mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

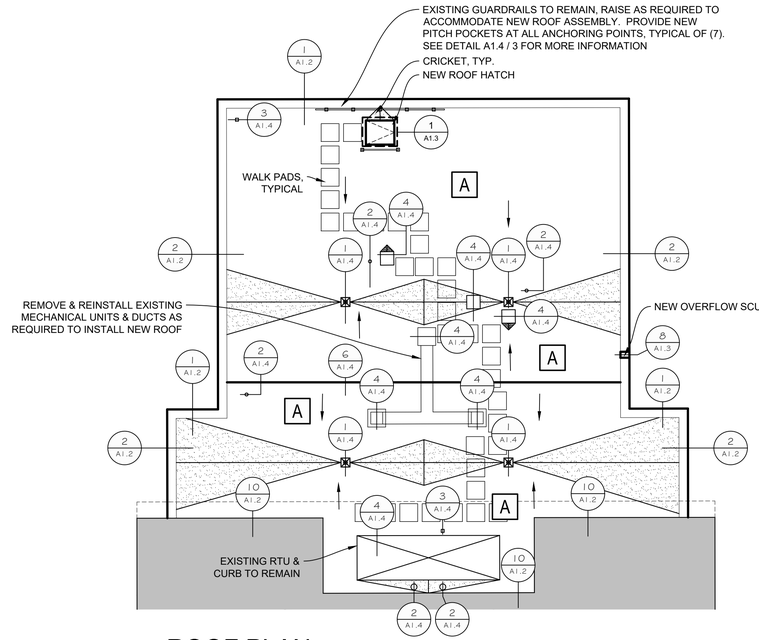
drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

date 02/23/2021
scale AS NOTED
drawn by AMT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no. BI-RD-315

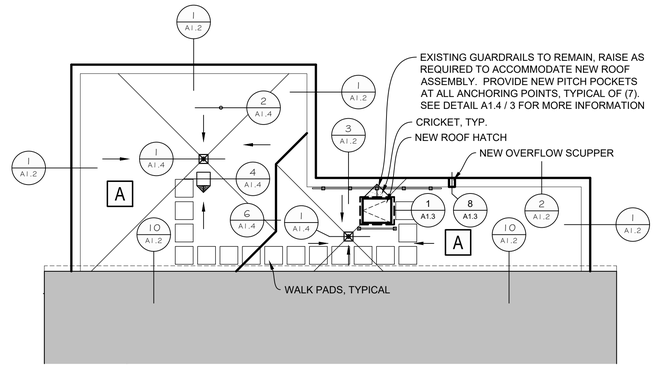
drawing no. A1.0



ROOF PLAN

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

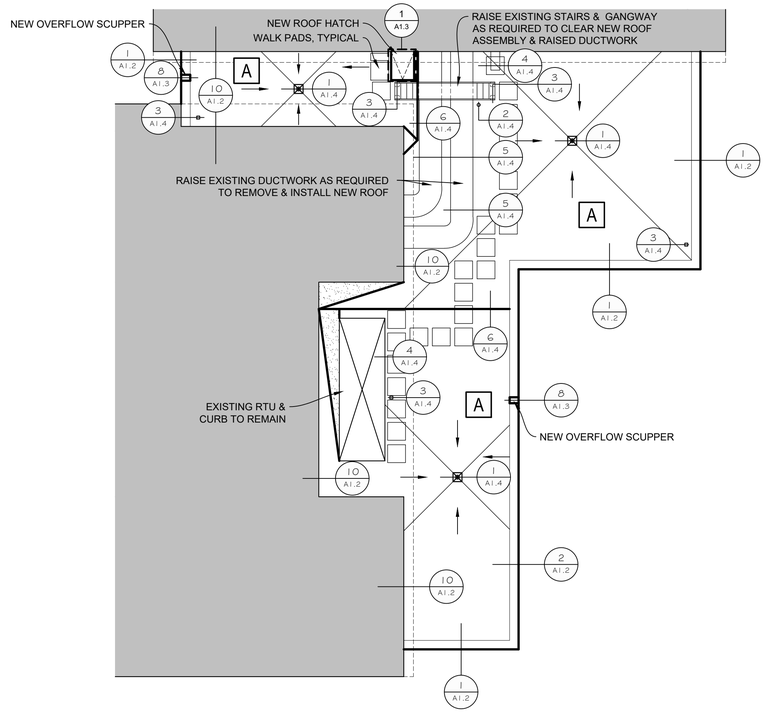
4

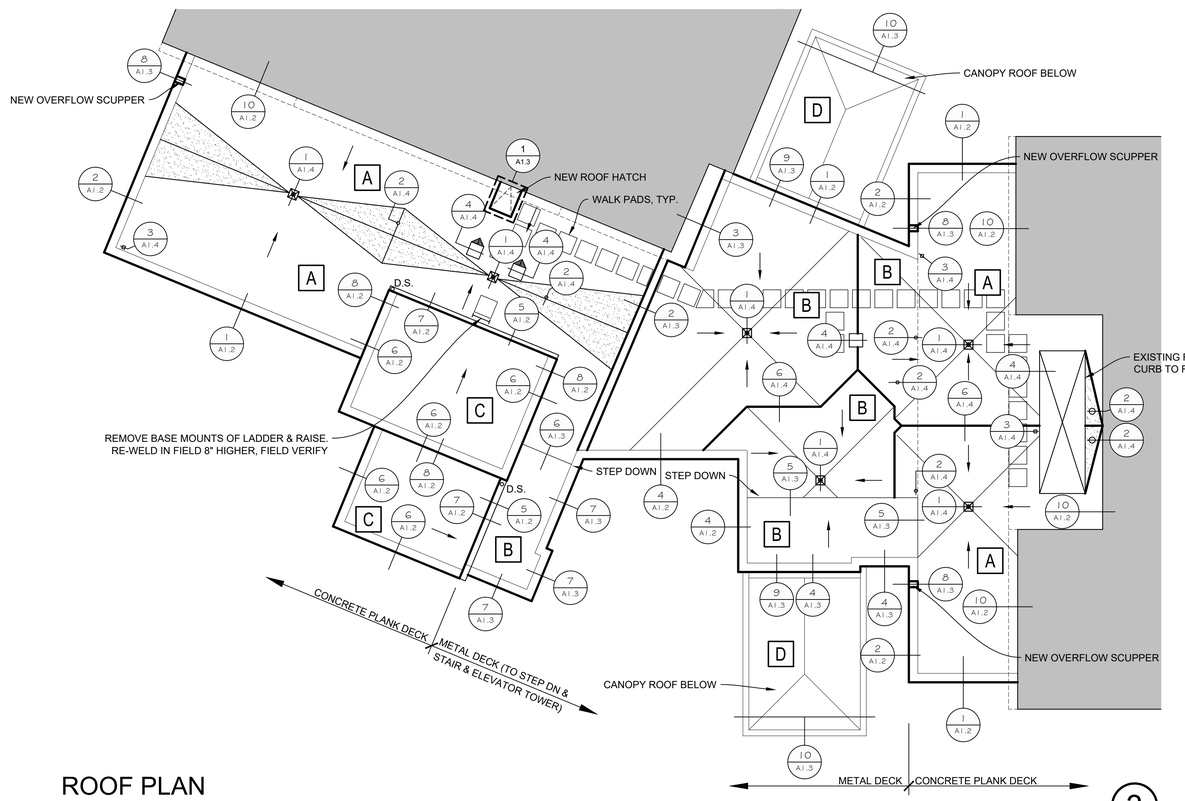


ROOF PLAN

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

2





ROOF PLAN

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

3

ROOF PLAN

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

1

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

drawing title
ROOF PLANS
CENTENNIAL HALL

professional seal

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STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

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195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no.
BI-RD-315

date
02/23/2021

scale
AS NOTED

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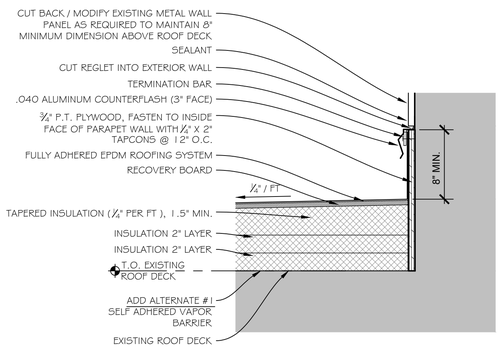
AMT

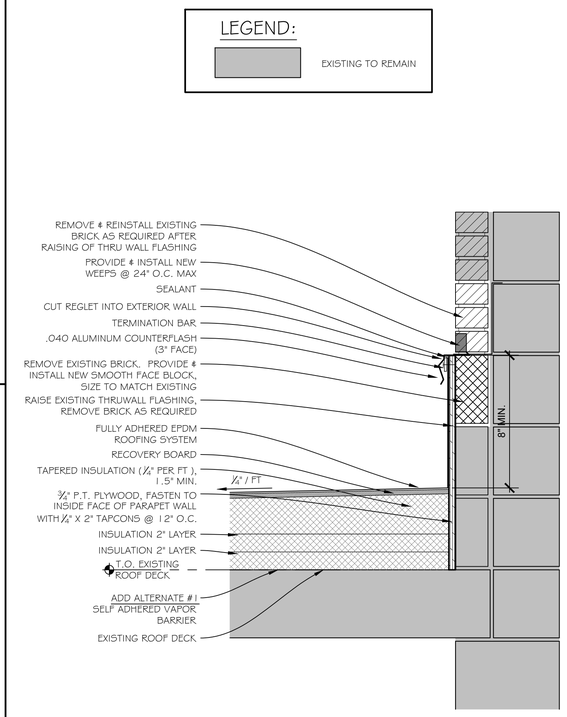
drawing no.
A1.1



TYPICAL TERMINATION BAR DETAIL @ METAL PANEL

SCALE: 1½" = 1'-0"

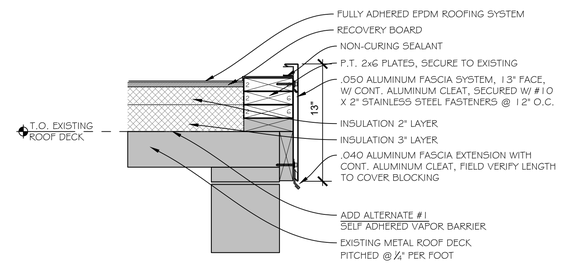
10



TYPICAL BRICK WALL FLASHING DETAIL

SCALE: 1½" = 1'-0"

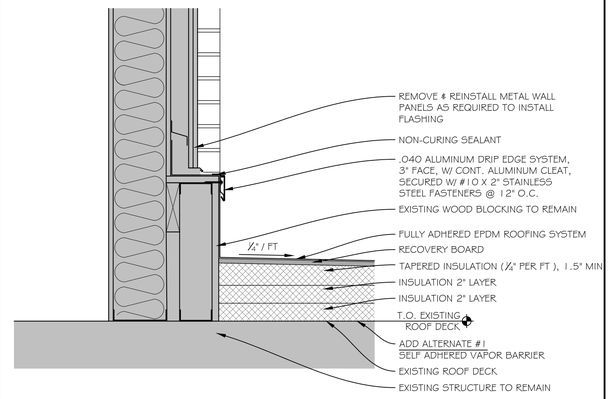
8



ELEVATOR TOWER EDGE DETAIL

SCALE: 1½" = 1'-0"

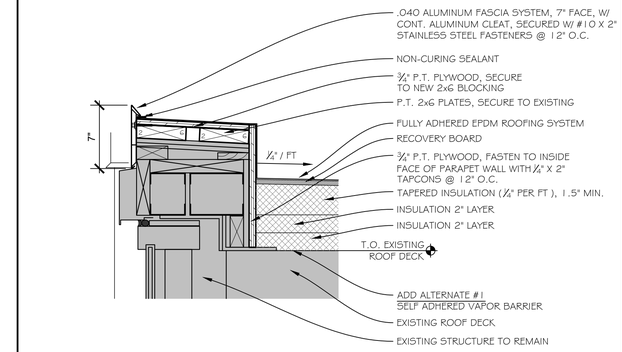
6



TYPICAL WALL PANEL FLASHING DETAIL

SCALE: 1½" = 1'-0"

5



TYPICAL ROOF EDGE DETAIL

SCALE: 1½" = 1'-0"

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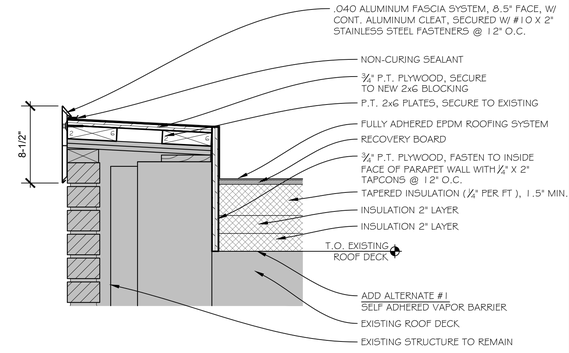
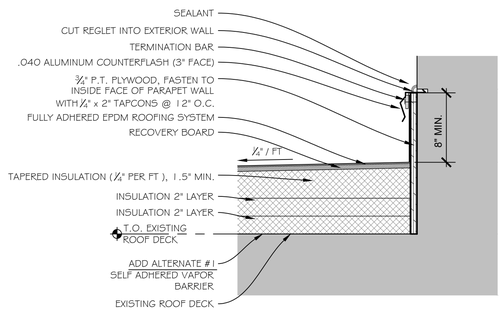


TYPICAL ROOF EDGE DETAIL

SCALE: 1½" = 1'-0"

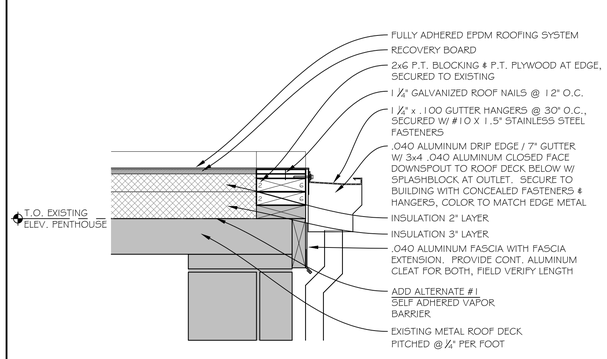
2



TYPICAL TERMINATION BAR DETAIL @ BRICK

SCALE: 1½" = 1'-0"

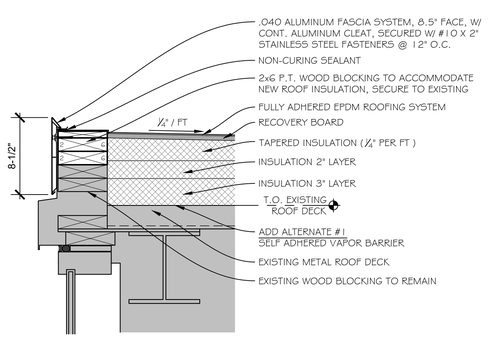
9



EDGE DETAIL W/ GUTTER

SCALE: 1½" = 1'-0"

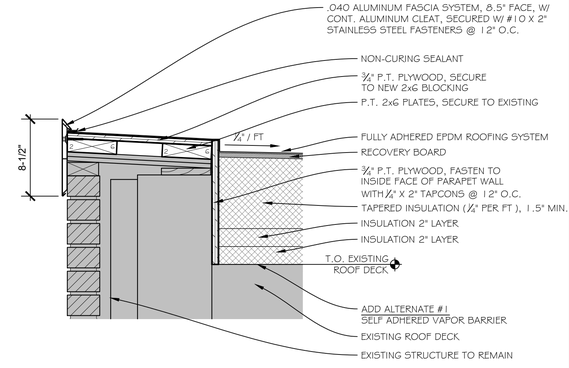
7



TYPICAL ROOF EDGE DETAIL

SCALE: 1½" = 1'-0"

4



TYPICAL ROOF EDGE DETAIL

SCALE: 1½" = 1'-0"

1

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

drawing title
ROOF DETAILS
CENTENNIAL HALL

professional seal

REVISIONS

mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

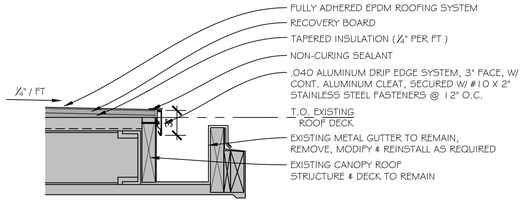
drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

date: 02/23/2021
scale: AS NOTED
drawn by: AMT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no.: BI-RD-315

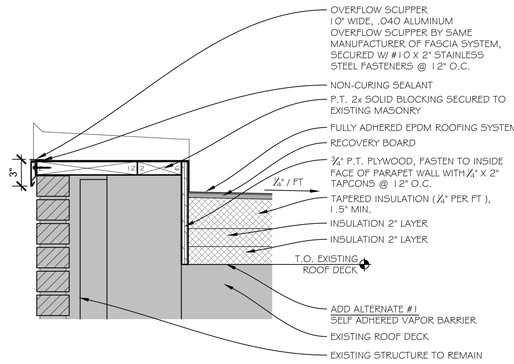
drawing no.: A1.2



CANOPY EDGE GUTTER DETAIL

SCALE: 1½" = 1'-0"

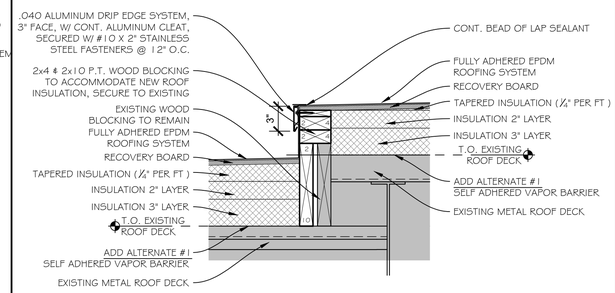
10



OVERFLOW SCUPPER DETAIL

SCALE: 1½" = 1'-0"

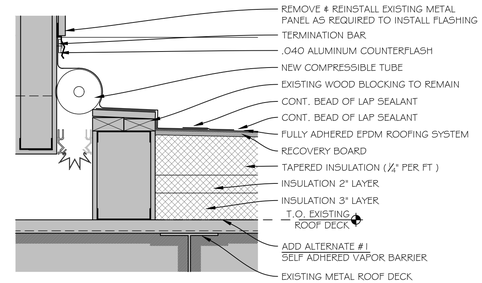
8



ROOF STEP DETAIL

SCALE: 1½" = 1'-0"

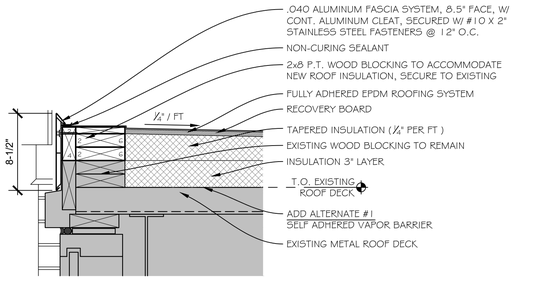
5



TYPICAL EXPANSION JOINT TO WALL DETAIL

SCALE: 1½" = 1'-0"

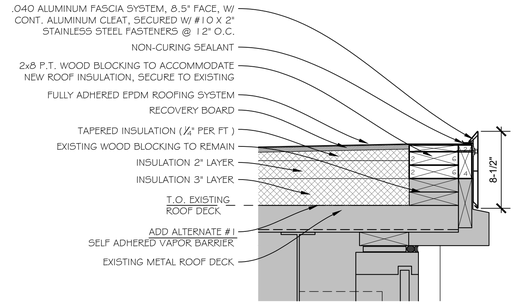
3



EDGE DETAIL

SCALE: 1½" = 1'-0"

7



EDGE DETAIL

SCALE: 1½" = 1'-0"

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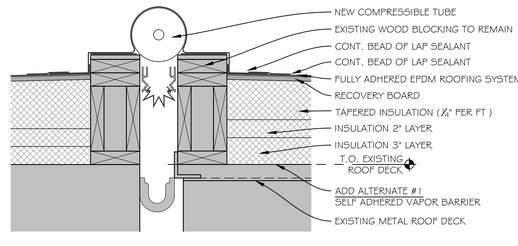

TYPICAL EXPANSION JOINT DETAIL

SCALE: 1½" = 1'-0"

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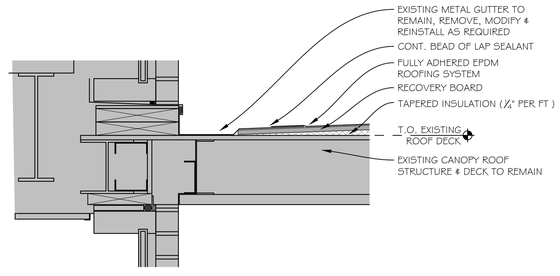

CANOPY BUILDING GUTTER DETAIL

SCALE: 1½" = 1'-0"

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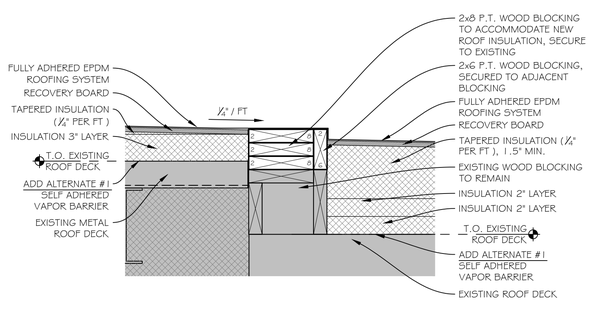
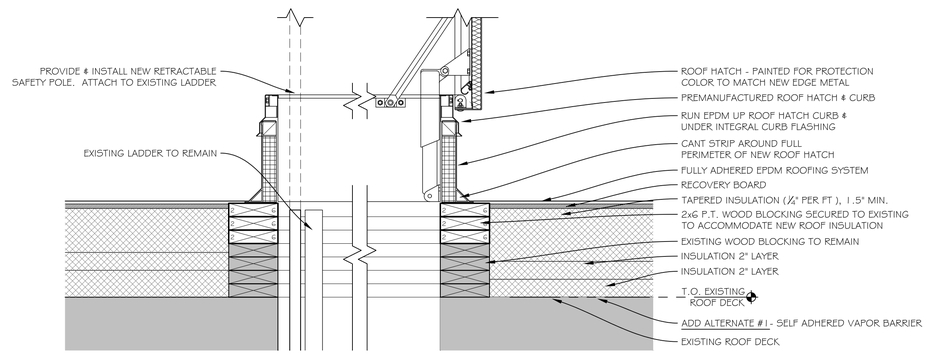


ROOF STEP DETAIL

SCALE: 1½" = 1'-0"

6



ROOF HATCH DETAIL

SCALE: 1½" = 1'-0"

1

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

drawing title
ROOF DETAILS
CENTENNIAL HALL

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STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

date 02/23/2021
scale AS NOTED
drawn by AMT

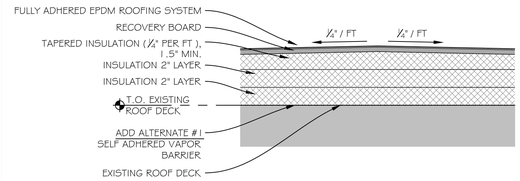
project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no. BI-RD-315

drawing no. A1.3

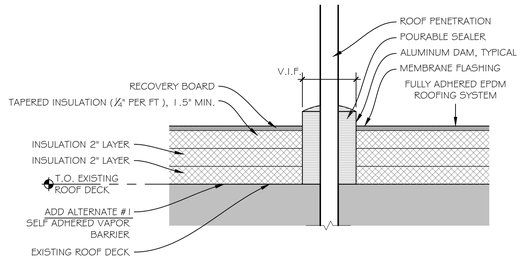
METAL EDGING

DESCRIPTION	SIZE	ANCHOR MATERIAL	ANCHOR TYPE	COVER MATERIAL	THICKNESS	NOTES
DRIP EDGE	4.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C. AT TOP & @ 24" O.C. AT BOTTOM
COPING (TAPERED)	5.5" OUTSIDE 4" INSIDE	GALVANIZED STEEL	12" CLIP (16 ga.) @ 48" O.C.	ALUMINUM	0.040"	SECURED WITH (4) #10 x 1.5" S.S. SCREWS
FASCIA	5.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
FASCIA	7"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
FASCIA	8.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
EXTENDED FASCIA	13"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.050"	SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C. AT TOP & WITH #14 x 2" S.S. SCREWS OR ¼" x ¼" TAPCONS @ 24" O.C. AT BOTTOM



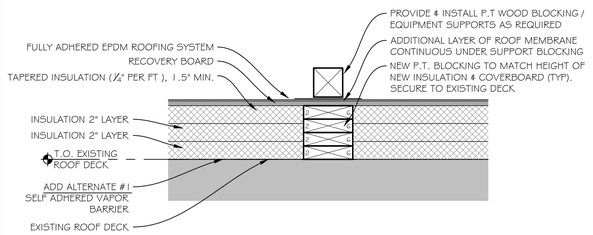
RIDGE DETAIL
SCALE: 1½" = 1'-0"

6



TYPICAL PITCH POCKET DETAIL
SCALE: 1½" = 1'-0"

3



EQUIPMENT SUPPORT DETAIL
SCALE: 1½" = 1'-0"

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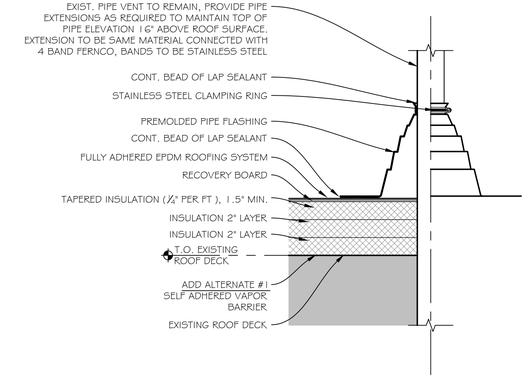
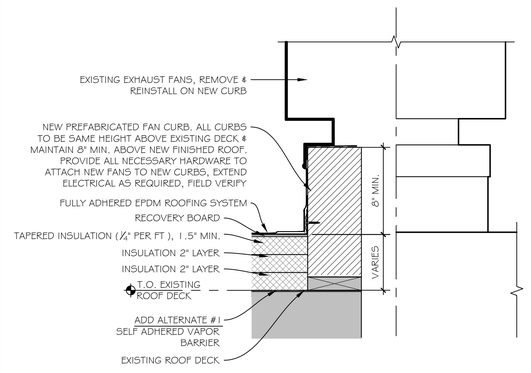


TYPICAL PIPE PENETRATION DETAIL
SCALE: 1½" = 1'-0"

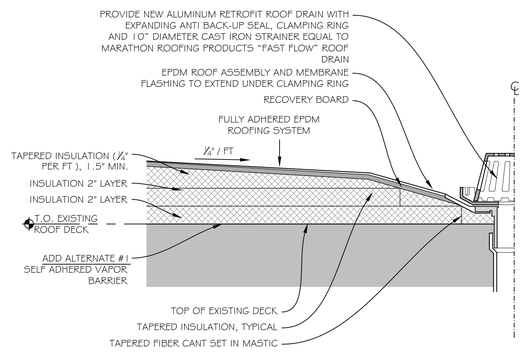
2



TYPICAL MECHANICAL CURB DETAIL
SCALE: 1½" = 1'-0"

4

ALL ROOF DRAIN CONNECTIONS SHALL BE TESTED FOR TIGHTNESS PER IPC 312.2, CALL OSBI TO WITNESS



TYPICAL ROOF DRAIN DETAIL
SCALE: 1½" = 1'-0"

1

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

drawing title
ROOF DETAILS
CENTENNIAL HALL

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REVISIONS

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STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no.
BI-RD-315

date
02/23/2021

scale
AS NOTED

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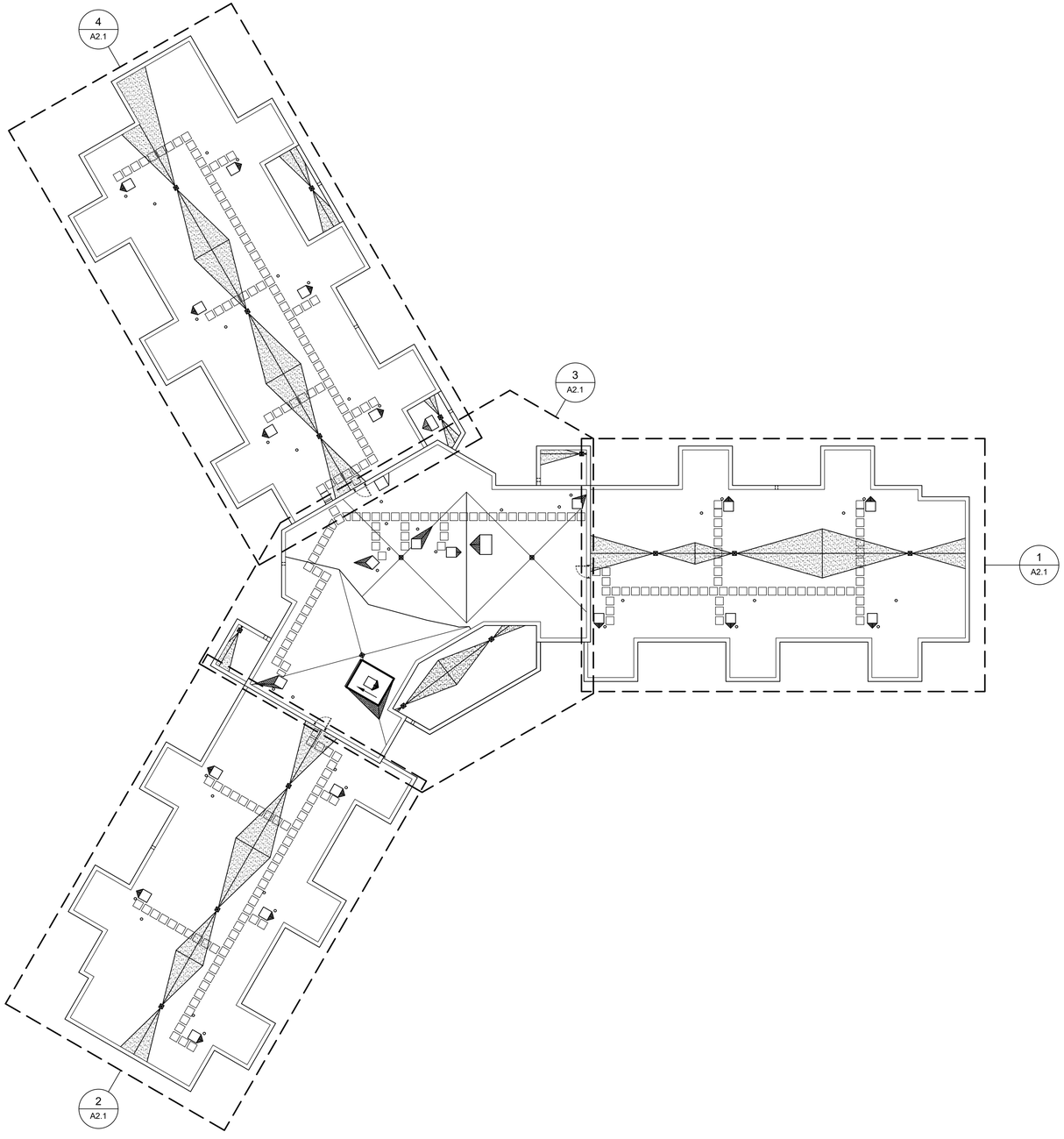
AMT

drawing no.
A1.4



ROOF PLAN KEY

A
- EXISTING CONCRETE PLANK DECK
- RIGID INSULATION, 4" MIN. (2 - 2" LAYERS)
- TAPERED INSULATION ¼" PER FOOT, 1.5" MIN. EDGE THICKNESS)
- ½" RECOVERY BOARD
- FULLY ADHERED EPDM ROOF SYSTEM

CRICKET (¼" PER FOOT)

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

GENERAL ROOFING NOTES:

CONTRACTOR IS 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, AND REQUIRED EDGE METAL. ROOF IS TO BE STRIPPED DOWN TO THE EXISTING STRUCTURE

CONTRACTOR IS TO PROTECT THE ROOF, PHASE THE DEMOLITION & CONSTRICTION, 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

VERIFY SIZE OF EXISTING ROOF DRAINS IN FIELD

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")

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)

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 1/4" #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 1/4" #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 ½" 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. (¾" TO 1" WIDE BEADS @ 12" O.C.)

FOR HOT WORK (IF REQUIRED) REFER TO SPEC SECTION 01 35 26, 1.2, E HOT WORK FOR HOT WORK PERMIT REQUIREMENTS

NO SMOKING ON THE ROOF AREAS OR WITHIN THE BUILDING AT ANY TIMES. A DESIGNATED SMOKING AREA WITH ADEQUATE DISPOSAL CONTAINERS WILL BE ESTABLISHED PRIOR TO CONSTRUCTION STARTING

DUE TO PROJECT PROXIMITY TO THE DANBURY MUNICIPAL AIRPORT THE CONTRACTOR IS TO CONTACT THE DANBURY MUNICIPAL AIRPORT WITH BUILDING COORDINATES AND ELEVATION PRIOR TO A CRANE BEING SETUP FOR USE ON THE PROJECT SITE.
DANBURY MUNICIPAL AIRPORT 203-797-4624

ROOF PLAN

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

0 8' 16' 32'

1

drawing title
ROOF PLAN
GRASSO HALL

professional seal

REVISIONS		
mark	date	description

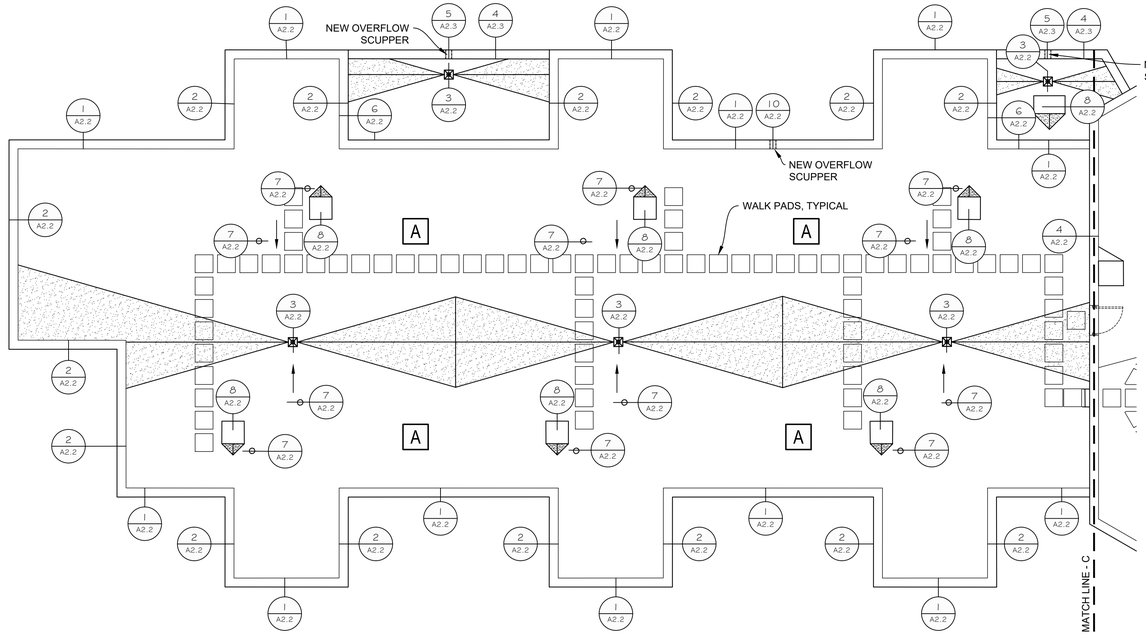
STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no.
BI-RD-315

date 02/23/2021
scale AS NOTED
drawn by AMT
drawing no. **A2.0**



ROOF PLAN

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

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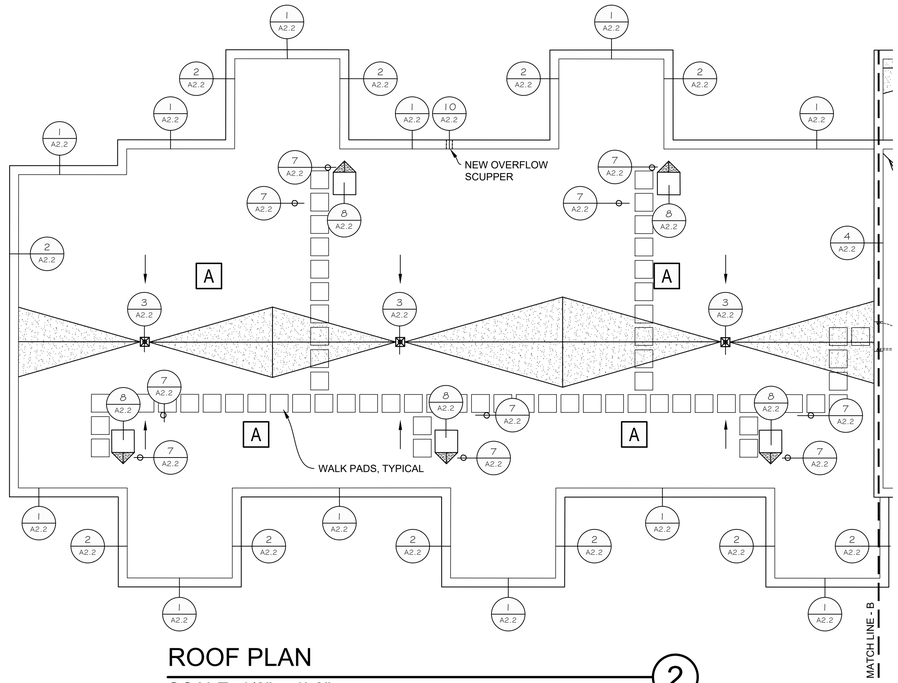

ROOF PLAN

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

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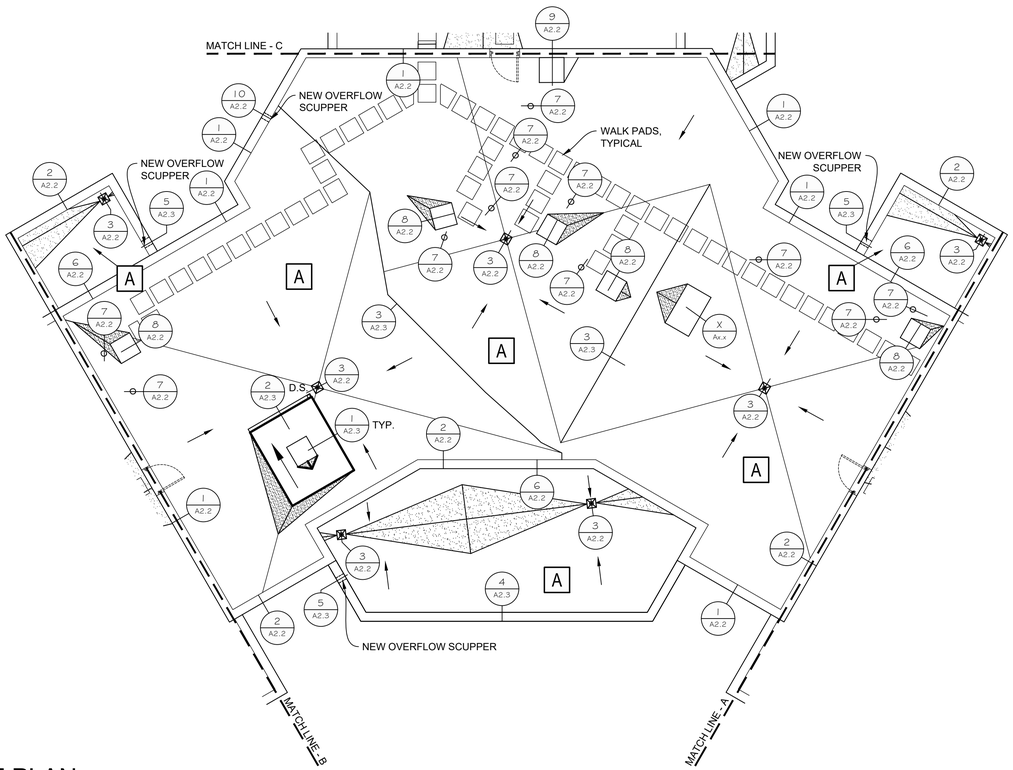

ROOF PLAN

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

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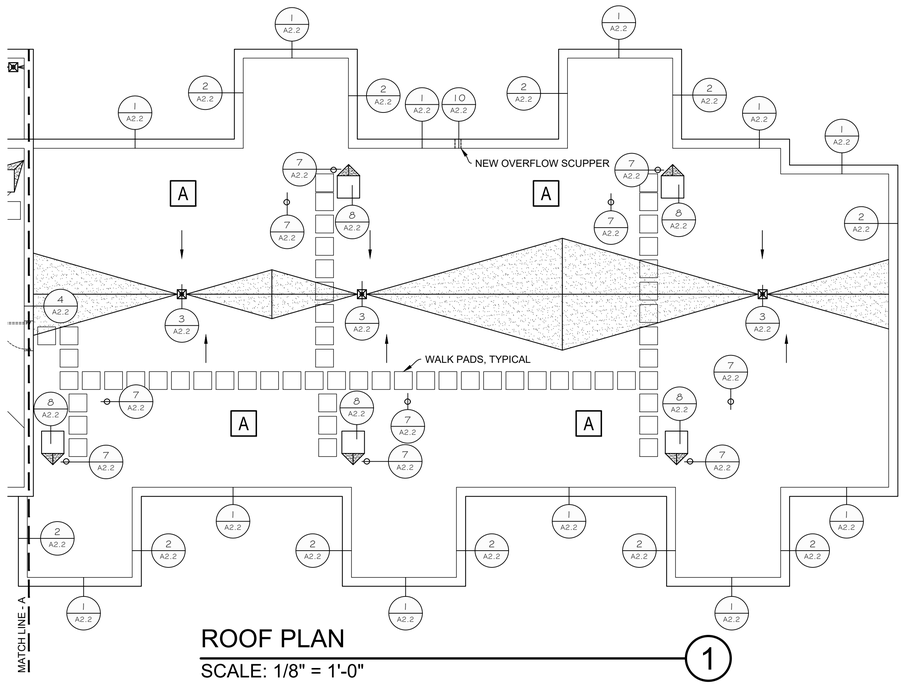

ROOF PLAN

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

1

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

drawing title
ROOF PLANS
GRASSO HALL

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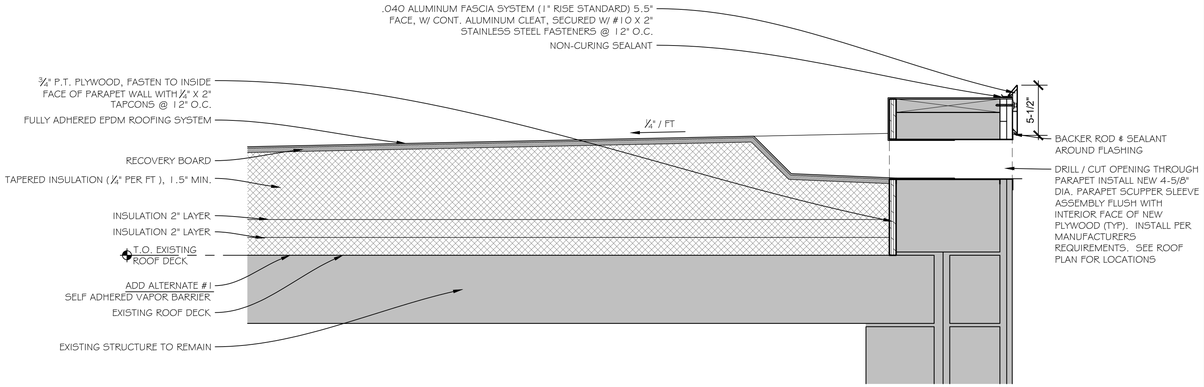
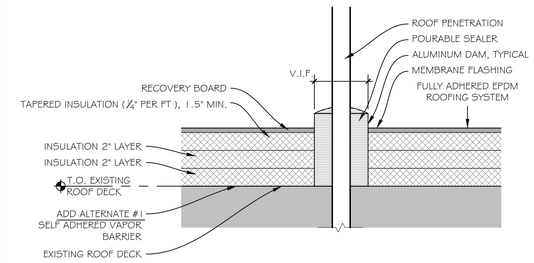


OVERFLOW SCUPPER DETAIL
SCALE: 1½" = 1'-0"

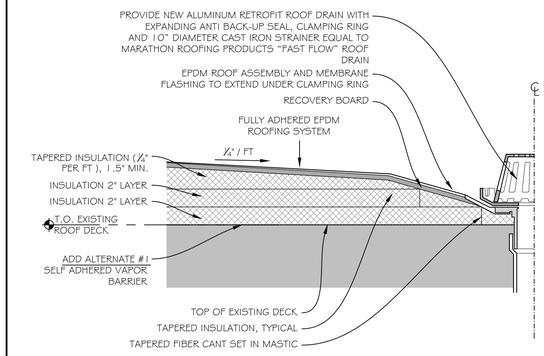
10



TYPICAL PITCH POCKET DETAIL
SCALE: 1½" = 1'-0"

5

ALL ROOF DRAIN CONNECTIONS SHALL BE TESTED FOR TIGHTNESS PER IPC 312.2, CALL OSBI TO WITNESS



TYPICAL ROOF DRAIN DETAIL
SCALE: 1½" = 1'-0"

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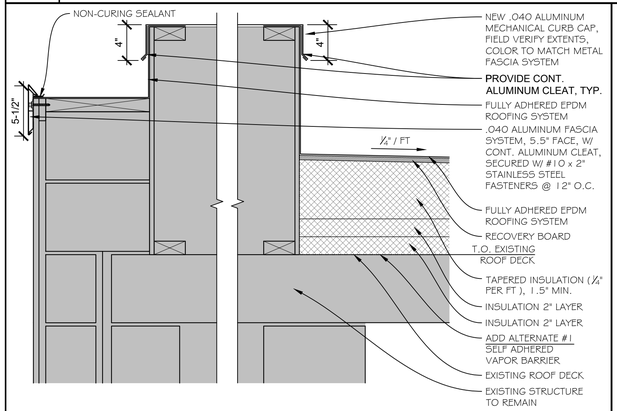
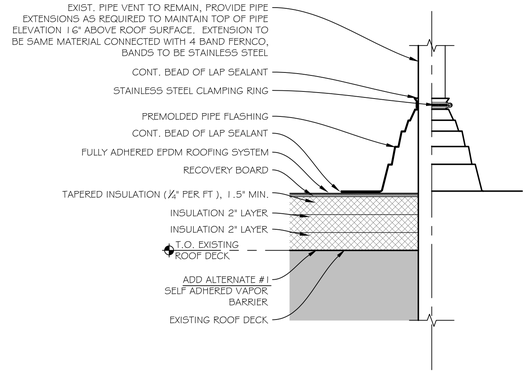


TYPICAL MECHANICAL CURB COVER DETAIL
SCALE: 1½" = 1'-0"

9

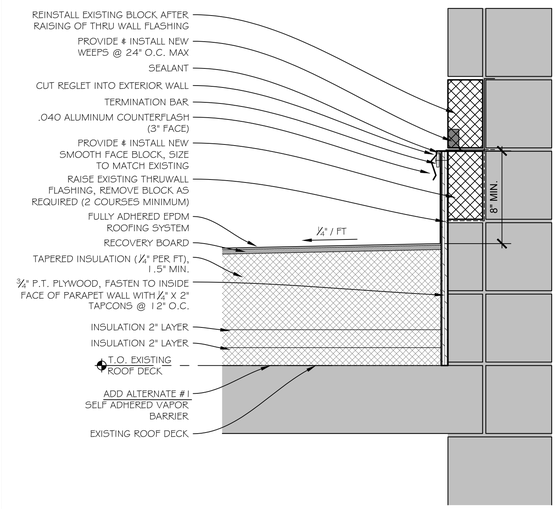


TYPICAL PIPE PENETRATION DETAIL
SCALE: 1½" = 1'-0"

7

LEGEND:

EXISTING TO REMAIN



TYPICAL WALL & FLASHING DETAIL
SCALE: 1½" = 1'-0"

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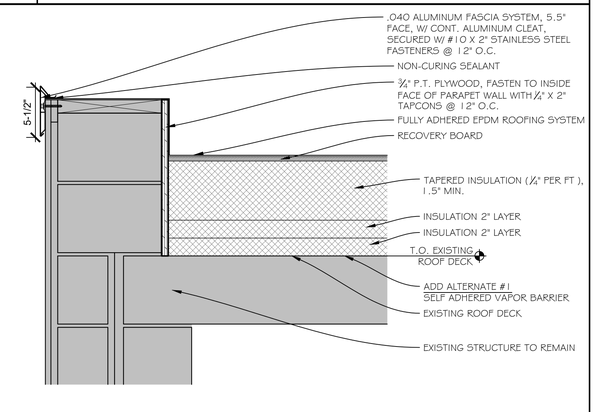

TYPICAL EDGE DETAIL
SCALE: 1½" = 1'-0"

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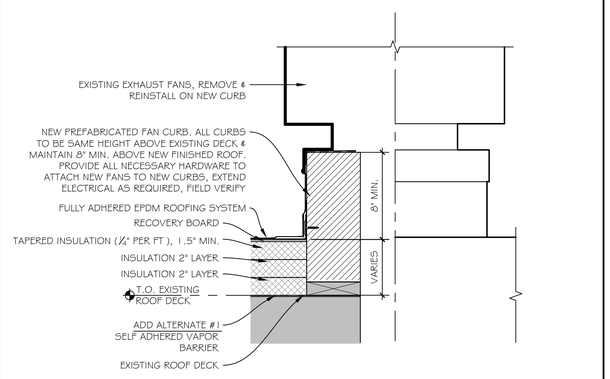

TYPICAL MECHANICAL CURB DETAIL
SCALE: 1½" = 1'-0"

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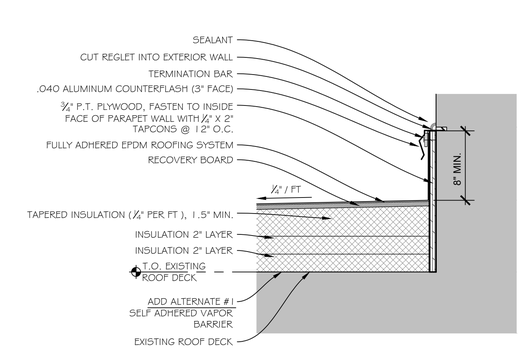
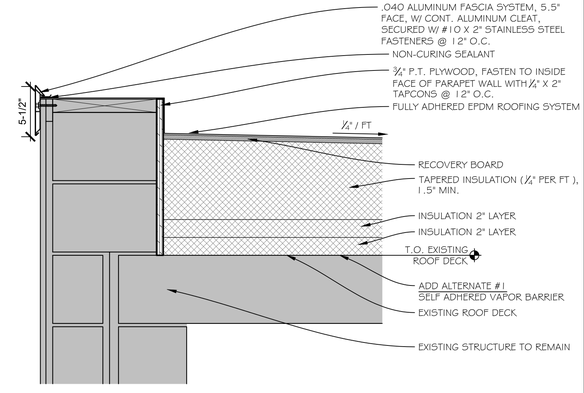


TYPICAL TERMINATION BAR DETAIL @ CMU
SCALE: 1½" = 1'-0"

6



TYPICAL EDGE DETAIL
SCALE: 1½" = 1'-0"

1

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

drawing title
ROOF DETAILS
GRASSO HALL

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DEPARTMENT OF ADMINISTRATIVE SERVICES

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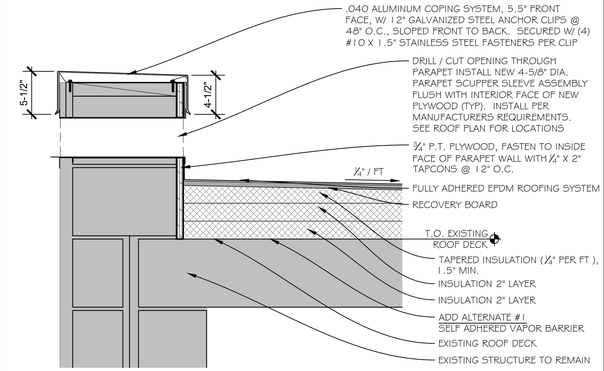
DANBURY, CONNECTICUT

project no. BI-RD-315

drawing no. A2.2

METAL EDGING

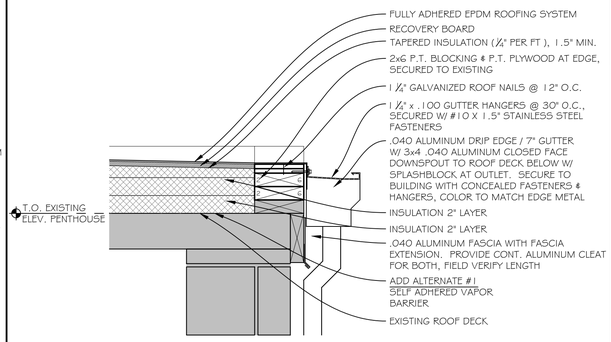
DESCRIPTION	SIZE	ANCHOR MATERIAL	ANCHOR TYPE	COVER MATERIAL	THICKNESS	NOTES
DRIP EDGE	4.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C. AT TOP & @ 24" O.C. AT BOTTOM
COPING (TAPERED)	5.5" OUTSIDE 4" INSIDE	GALVANIZED STEEL	12" CLIP (16 ga.) @ 48" O.C.	ALUMINUM	0.040"	SECURED WITH (4) #10 x 1.5" S.S. SCREWS
FASCIA	5.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
FASCIA	7"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
FASCIA	8.5"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.040"	CONT. ANCHOR BAR SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C.
EXTENDED FASCIA	13"	ALUMINUM	CONTINUOUS BAR	ALUMINUM	0.050"	SECURED WITH #10 x 2" S.S. SCREWS @ 12" O.C. AT TOP & WITH #14 x 2" S.S. SCREWS OR ¼" x 1¼" TAPCONS @ 24" O.C. AT BOTTOM



TYPICAL PARAPET THRU WALL SCUPPER DETAIL

SCALE: 1½" = 1'-0"

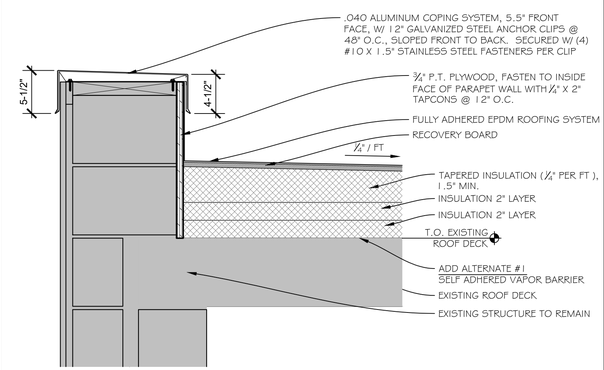
5



ELEVATOR EDGE DETAIL W/ GUTTER

SCALE: 1½" = 1'-0"

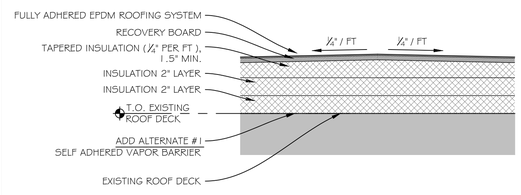
2



TYPICAL PARAPET WALL DETAIL

SCALE: 1½" = 1'-0"

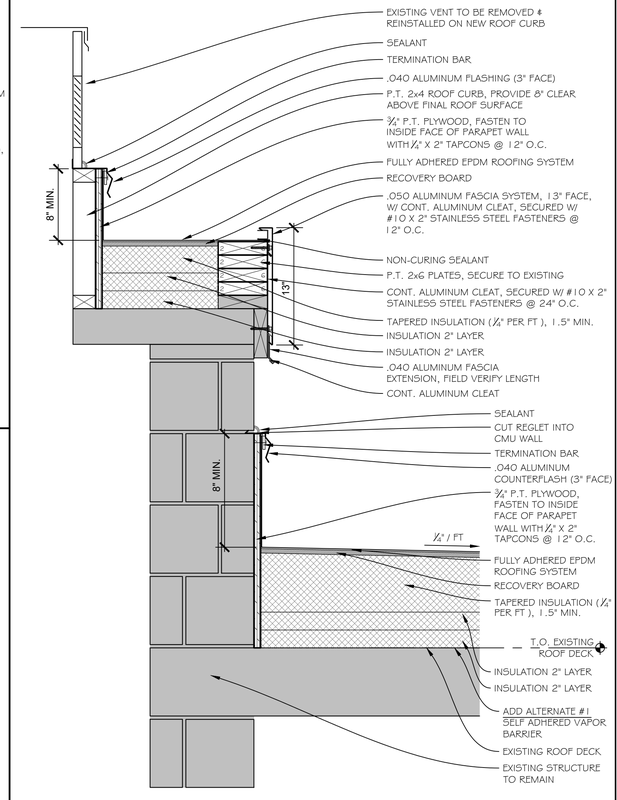
4



RIDGE DETAIL

SCALE: 1½" = 1'-0"

3



ELEVATOR DOGHOUSE DETAIL

SCALE: 1½" = 1'-0"

1

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

drawing title
ROOF DETAILS
GRASSO HALL

professional seal

REVISIONS

mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
195 SCOTT SWAMP ROAD
FARMINGTON, CONNECTICUT

date 02/23/2021
scale AS NOTED
drawn by AMT

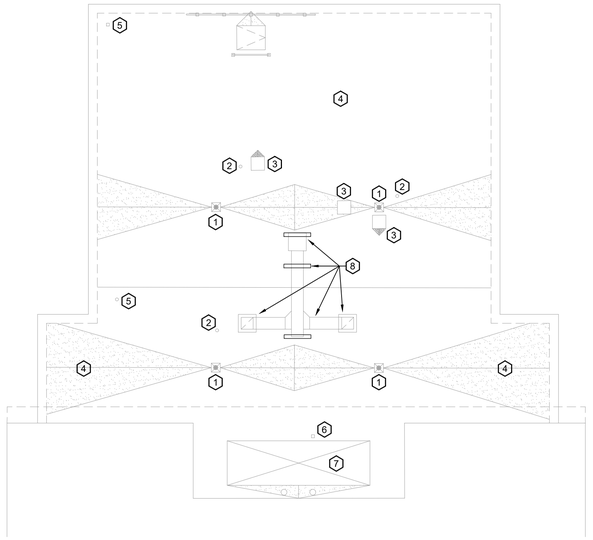
project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no. BI-RD-315

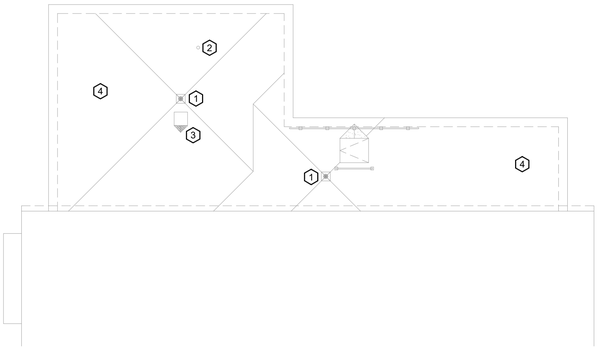
drawing no. A2.3

MECHANICAL / ELECTRICAL KEY NOTES:

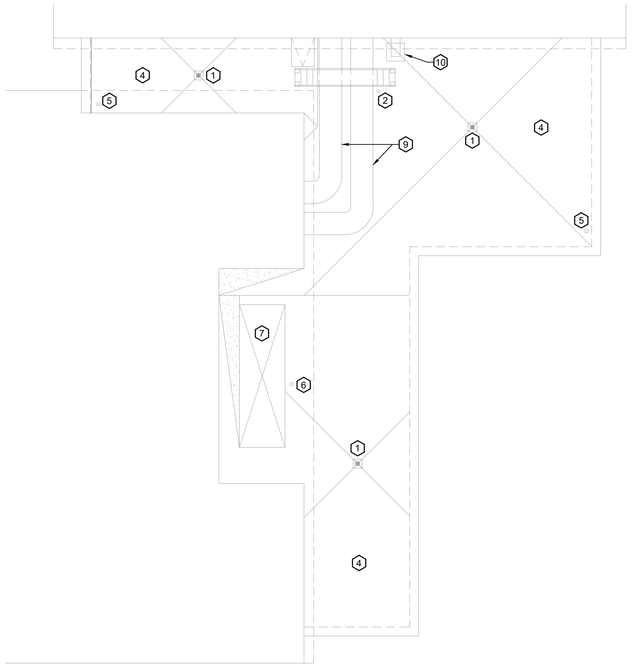
1. PROVIDE NEW ALUMINUM RETROFIT ROOF DRAIN WITH EXPANDING WATERTIGHT SEAL, CLAMPING RING AND CAST IRON STRAINER EQUAL TO MARATHON ROOFING PRODUCTS "FAST FLOW" ROOF DRAIN. TIGHTNESS TEST PIPING IN ACCORDANCE WITH IPC (2015), SECTION 312.2.
2. EXISTING PLUMBING VENT TO REMAIN. EXTEND VENT AS REQUIRED 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. REMOVE EXHAUST FAN FROM CURB. VERIFY EXISTING CURB DIMENSIONS AND PROVIDE NEW 12" HIGH CURB EXTENSION AND SECURE TO EXISTING CURB. REINSTALL FAN AND SECURE TO CURB EXTENSION. PROVIDE WIRE AND CONDUIT TO EXTEND EXISTING ELECTRICAL POWER AND RECONNECT TO FAN. VERIFY PROPER OPERATION OF FAN.
4. CONTRACTOR SHALL PROCURE SERVICES OF A QUALIFIED LIGHTNING PROTECTION SYSTEM INSTALLER TO REMOVE, REINSTALL AND TEST EXISTING LIGHTNING PROTECTION SYSTEM TO FACILITATE RE-ROOFING WORK. PROVIDE NEW LIGHTNING PROTECTION COMPONENTS COMPLYING WITH UL96 AS NEEDED TO FACILITATE WORK. TEST INSTALLED SYSTEM IN ACCORDANCE WITH NFPA 780. OFFICE OF STATE BUILDING INSPECTOR SHALL WITNESS TEST.
5. EXTEND LIGHTNING PROTECTION SYSTEM CONDUIT AND WIRING TO ACCOMMODATE NEW ROOFING AND FLASHING.
6. EXTEND ELECTRICAL POWER CONDUIT AND WIRING TO ACCOMMODATE NEW ROOFING AND FLASHING.
7. EXISTING ROOFTOP HVAC UNIT TO REMAIN. REMOVE AND REINSTALL CONDENSATE PIPE AND ELECTRICAL CONDUITS THAT ARE SECURED TO THE CURB TO ACCOMMODATE NEW ROOFING.
8. DISCONNECT ELECTRICAL POWER TO EXISTING ROOF FAN. PROVIDE NEW EQUIPMENT RAILS (3 LOCATIONS) TO REPLACE EXISTING WOOD SLEEPERS EQUAL TO BUCKLEY ASSOCIATES MODEL ES100. SECURE EQUIPMENT SUPPORTS TO ROOF DECK. PROVIDE NEW 12" HIGH CURB EXTENSION (12 LOCATIONS) WHERE DUCTS PENETRATE ROOF AND EXTEND DUCTWORK MATCHING EXISTING DUCT CONSTRUCTION. PROVIDE WIRE AND CONDUIT TO EXTEND EXISTING ELECTRICAL POWER TO FAN AND RECONNECT TO FAN. VERIFY PROPER OPERATION OF FAN.
9. TEMPORARILY REMOVE EXISTING EXPOSED DUCTWORK. REMOVE EXISTING EXTERIOR DUCT INSULATION AND WOOD BLOCK DUCT SUPPORTS. MODIFY AND OFFSET DUCTWORK TO RAISE THE DUCTWORK 12" ABOVE NEW ROOF AND TO ACCOMMODATE THE PROVISION OF NEW PRE-FABRICATED DUCT SUPPORTS EQUAL TO MIFAB. PROVIDE NEW DUCT INSULATION PER DETAIL 5/ME1.1 INCLUDING PROVISION OF COUNTER-FLASHING AT THE EXISTING WALL PENETRATIONS.
10. PROVIDE NEW 12" HIGH CURB EXTENSION WHERE DUCT PENETRATES ROOF AND MODIFY EXISTING DUCTWORK TO ACCOMMODATE.



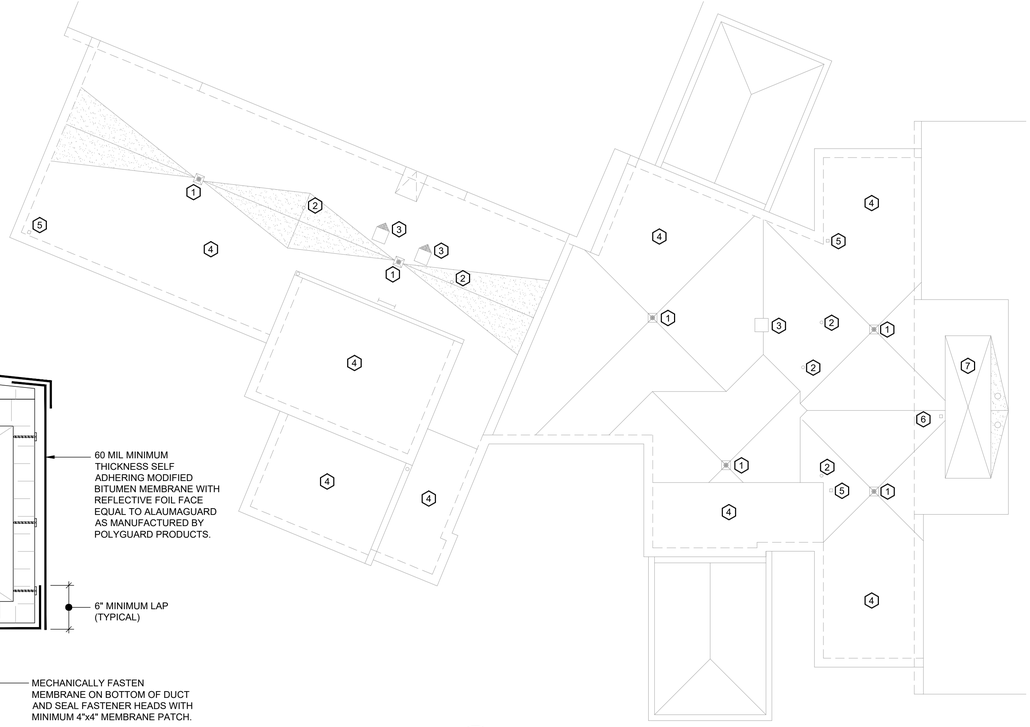
4 ME1.1 ROOF PLAN
1/8" = 1'-0"



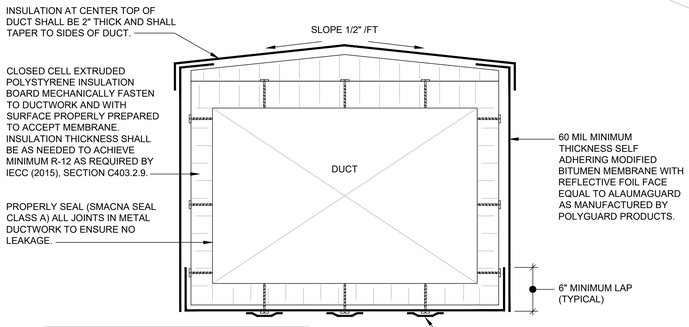
2 ME1.1 ROOF PLAN
1/8" = 1'-0"



1 ME1.1 ROOF PLAN
1/8" = 1'-0"



3 ME1.1 ROOF PLAN
1/8" = 1'-0"



NOTE:
DETAIL IS GENERIC AND NOT A SUBSTITUTE FOR THE NEED FOR THE CONTRACTOR TO DETERMINE PROPER QUANTITIES AND LOCATIONS OF FASTENERS AND SUPPORTS. PROVIDE DETAILED INSTALLATION SHOP DRAWING AND FASTENER PRODUCT DATA TO BE SUBMITTED FOR REVIEW BY OFFICE OF STATE BUILDING INSPECTOR.

5 ME1.1 EXTERIOR DUCT INSULATION DETAIL
NOT TO SCALE

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drawing title
MECHANICAL / ELECTRICAL ROOF PLANS
CENTENNIAL HALL

professional seal

REVISIONS		
mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
QUISENBERRY ARCARI MALIK, LLC
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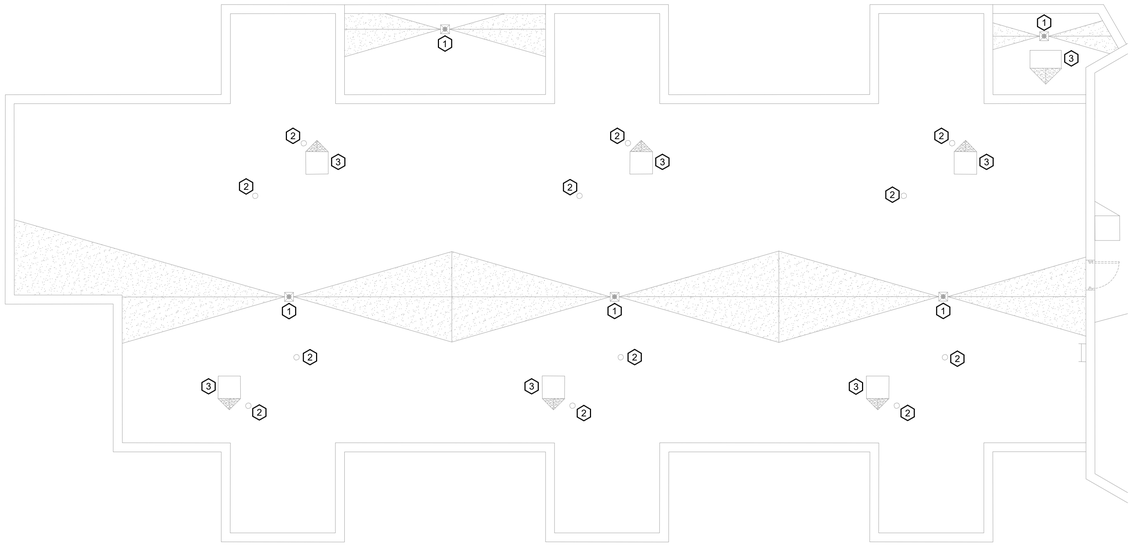
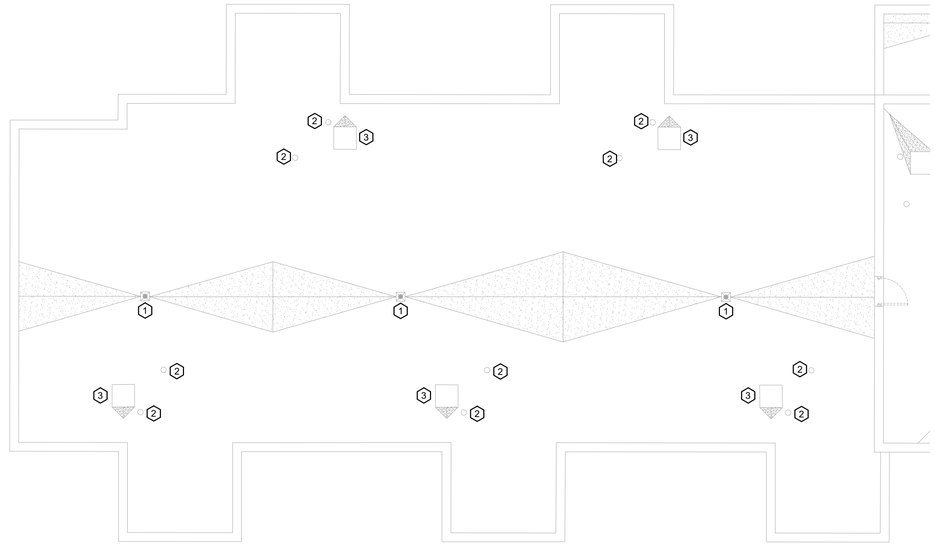
project
WESTERN CONNECTICUT STATE UNIVERSITY
ROOF REPLACEMENT AT CENTENNIAL HALL AND GRASSO HALL
DANBURY, CONNECTICUT

project no.
BI-RD-315

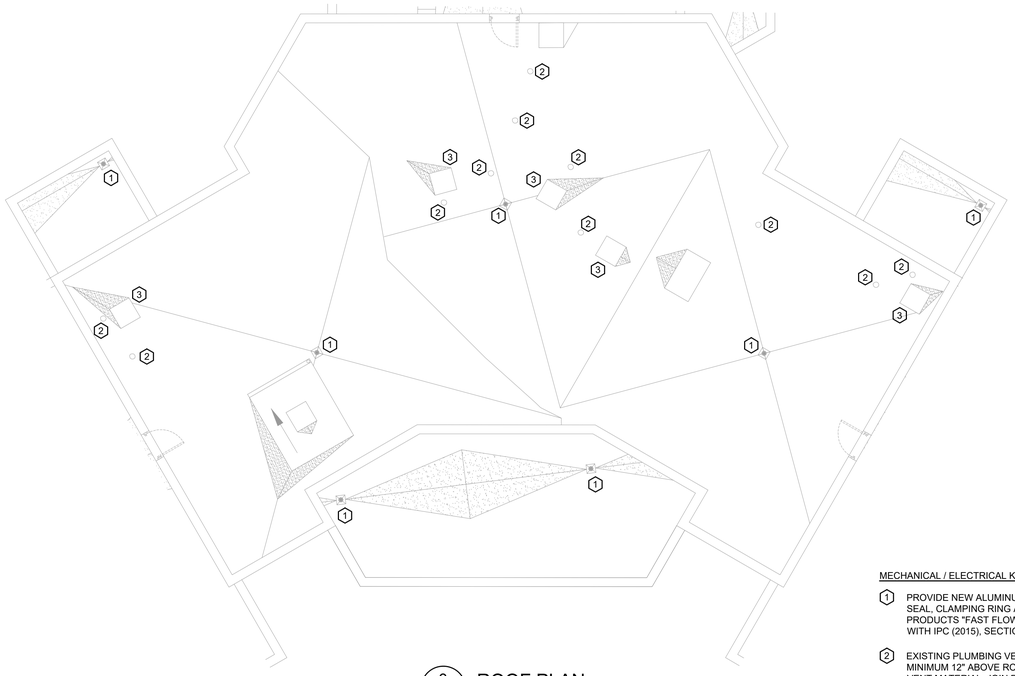
date	02/23/21
scale	AS NOTED
drawn by	ALL
approved by	KAH
drawing no.	ME1.1



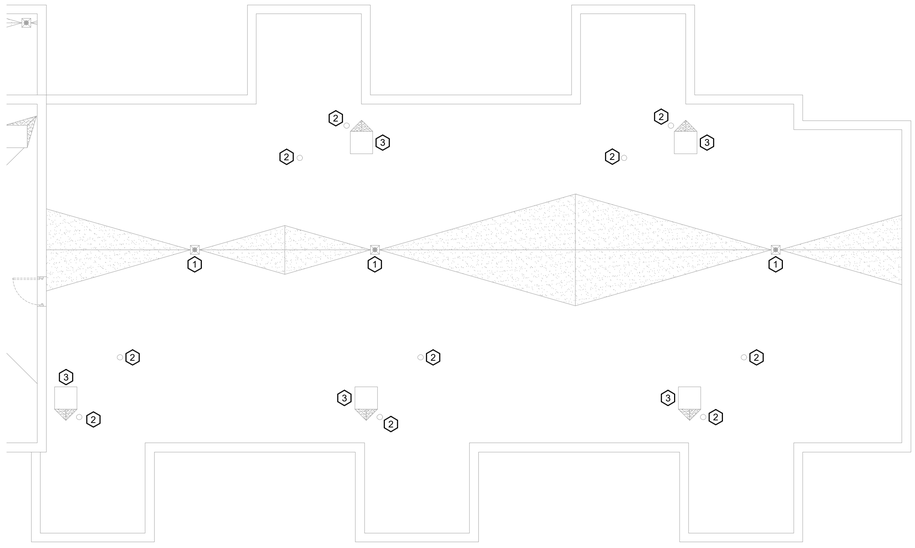
4 ME2.1 ROOF PLAN
1/16" = 1'-0"



2 ME2.1 ROOF PLAN
1/16" = 1'-0"



3 ME2.1 ROOF PLAN
1/16" = 1'-0"



1 ME2.1 ROOF PLAN
1/16" = 1'-0"

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drawn by: ALL
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