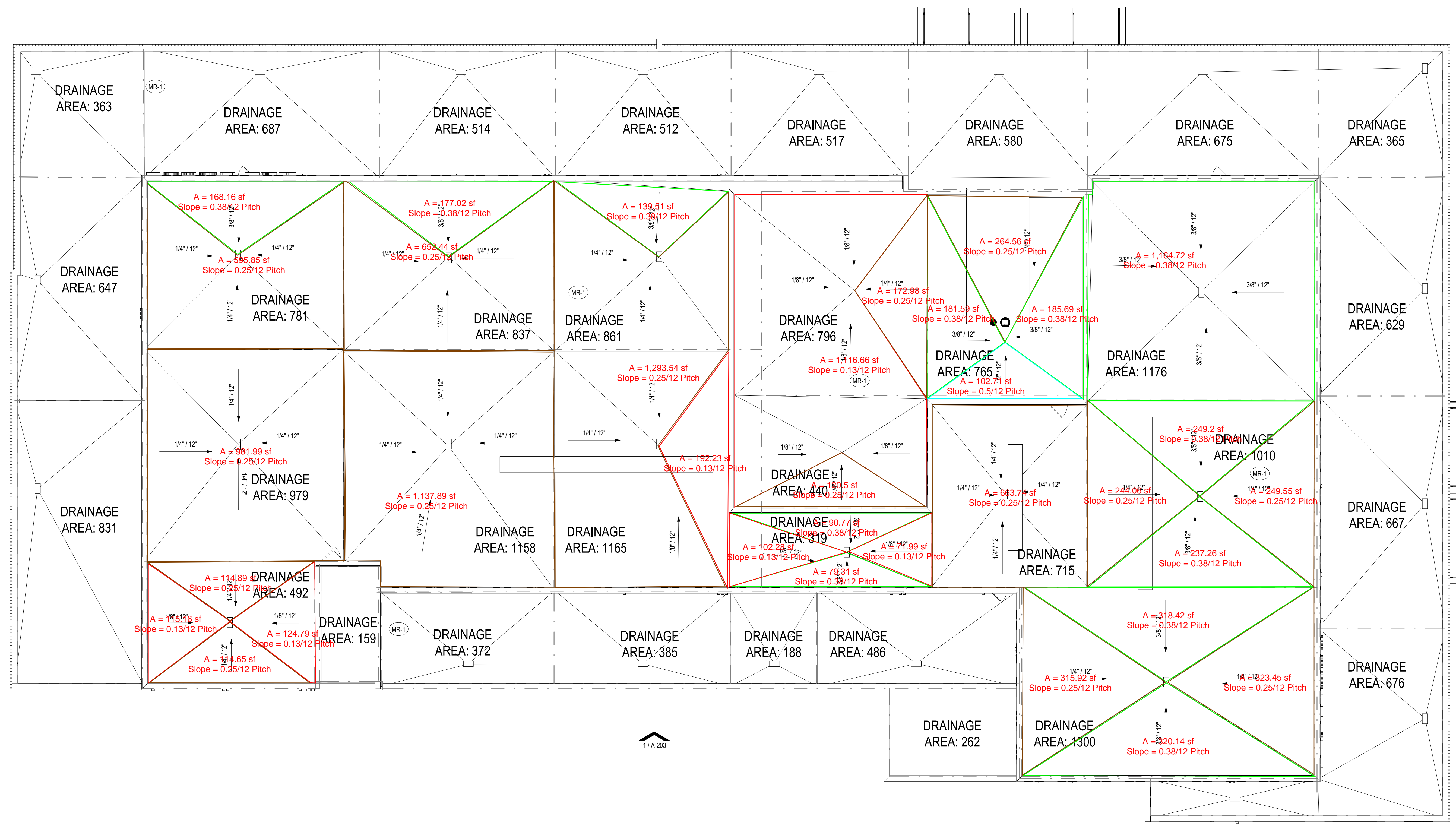


Legend

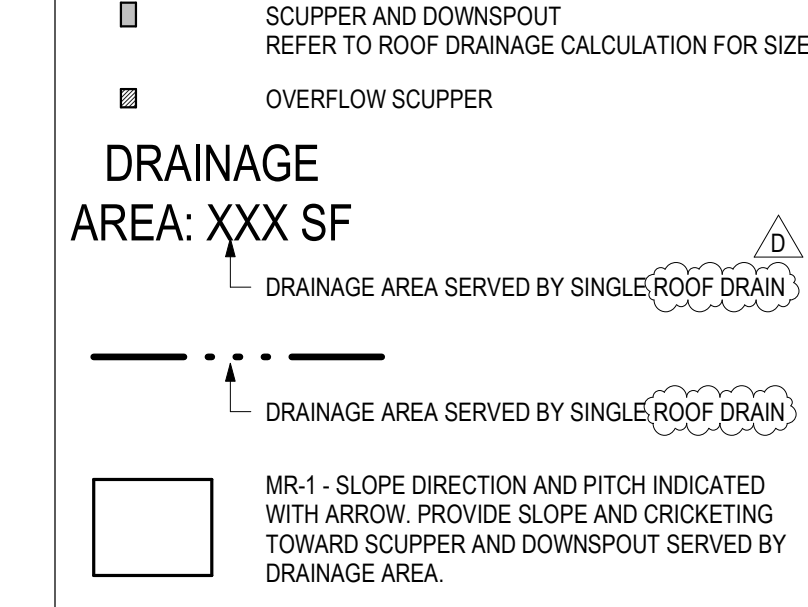
Description	Quantity	Unit
1/2" Roof Slope	102.71	sf
1/4" Roof Slope	7,246.01	sf
1/8" Roof Slope	1,723.10	sf
3/8" Roof Slope	3,311.80	sf



ROOF PLAN GENERAL NOTES

- ROOF VENTILATION IS TO BE PROVIDED PER 2021 IBC SECTION 1303.2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CALCULATING THE NET FREE AREA FOR THE ATTIC SPACE AND IS TO PROVIDE THE REQUIRED ROOF VENTILATION UNITS PER CODE. PROVIDE VENTING CALCULATIONS & LOCATIONS IN ROOFING SUBMITTALS.
- ALL EXPOSED VENT STACKS, EXHAUST LOUVERS, CAPS, DRAINS, PANEL BOARDS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT MATERIALS, UNLESS OTHERWISE NOTED.
- CLASS B ROOF COVERING REQUIRED AT ALL ROOFS AT LOW SLOPE ROOFS. ROOF SLOPES ARE 1/4" PER FOOT MINIMUM U.O.W. PROVIDE CRICKETS TOWARD ROOF DRAINS AS INDICATED ON THE PLANS.
- REFER TO BUILDING ELEVATIONS (A-200 SERIES) FOR PARAPET HEIGHTS FROM TOP OF PLATE TO TOP OF PARAPET.
- ROOF DRAINS AND DOWNSPOUTS TO TIE IN DIRECTLY TO STORM WATER SYSTEM.
- COORDINATE DOWNSPOUT LOCATIONS WITH LANDSCAPING, SIDEWALKS, AND OTHER SITE ELEMENTS.
- REFER TO STRUCTURAL PLANS FOR ROOF FRAMING AND SPECIFICATIONS.
- TRUSS MANUFACTURER TO VERIFY PLATE AND TRUSS HEEL HEIGHTS.

ROOF DRAINAGE LEGEND

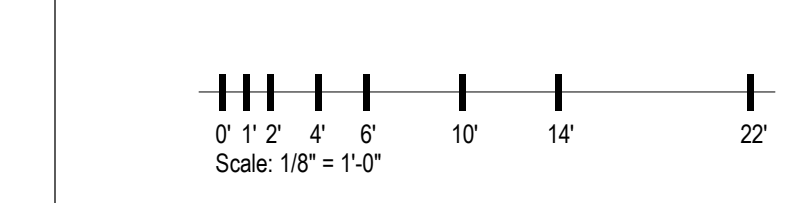


ROOF DRAINAGE CALCULATIONS

FOR ROOF DRAINAGE AREAS LESS THAN 1300SF:
 RAINFALL RATE: 6" PER HOUR
 2021 IPC
 6"/HR = 0.5 CUBIC FEET/HOUR
 0.5 CUBIC FEET/HOUR = 3.74 GALLONS/HR
 3.74 GALLONS/HR / 60 = 0.062338 GALLONS/MINUTE
 0.062338 GPM * 1300SF = 81.038967 MIN. GPM CAPACITY
 MINIMUM CAPACITY REQUIRED: 81.039 GPM
 VERTICAL LEADER SIZE PROVIDED: 4 INCHES (TYPICAL)
 CAPACITY PROVIDED: 115 GPM
 PER 2021 IPC TABLE 1106.3

- SECONDARY ROOF DRAINS:**
- WHERE ROOF DRAINS ARE REQUIRED, SECONDARY ROOF DRAINS OR SCUPPERS SHALL BE PROVIDED WHERE THE ROOF PERIMETER CONSTRUCTION EXTENDS ABOVE THE ROOF IN SUCH A MANNER THAT WATER WILL BE ENTRAPPED IF THE PRIMARY DRAINS ALLOW BUILDUP FOR ANY REASON. WHERE PRIMARY AND SECONDARY ROOF DRAINS ARE MANUFACTURED AS A SINGLE ASSEMBLY, THE INLET AND OUTLET FOR EACH DRAIN SHALL BE INDEPENDENT.
 - SECONDARY ROOF DRAIN SYSTEMS SHALL HAVE THE END POINT OF DISCHARGE SEPARATE FROM THE PRIMARY SYSTEM. DISCHARGE SHALL BE ABOVE GRADE, IN A LOCATION THAT WOULD NORMALLY BE OBSERVED BY THE BUILDING OCCUPANTS OR MAINTENANCE PERSONNEL.
 - SCUPPERS AND OVERFLOWS SHALL HAVE AN OPENING DIMENSION OF NOT LESS THAN 4 INCHES. VERIFY ADDITIONAL SIZE REQUIREMENTS WITH THE INTERNATIONAL PLUMBING CODE.

GRAPHIC SCALE



1 Roof Drainage Plan
 Scale: 1/8" = 1'-0"

Client/Project: **ART HOUSE**
 PROJECT NUMBER: 20_048
GSS, LLC
 313 NORTH BECKLEY AVE
 Q TEAM RESPONSE - [2024.05.03]

Revision	Issued
D Q TEAM RESPONSE	TBD

Issue For Permit	Issued
2023.12.22	YYYYMMDD

Drawn By	Reviewed By
IB	ED

Permit-Seal

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 This document has not been completed or checked and is for general information or comment only.
 2024.05.03

Title: **ROOF DRAINAGE PLAN**

Scale	Revision
1/8" = 1'-0"	D

Drawing No. **A-110**