

MSU PROJ. NO.
CP24039

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 DATE 11/20/2025
 SCALE AS NOTED
 ISSUED
 CONSTRUCTION 11/20/2025

ROOF PLAN

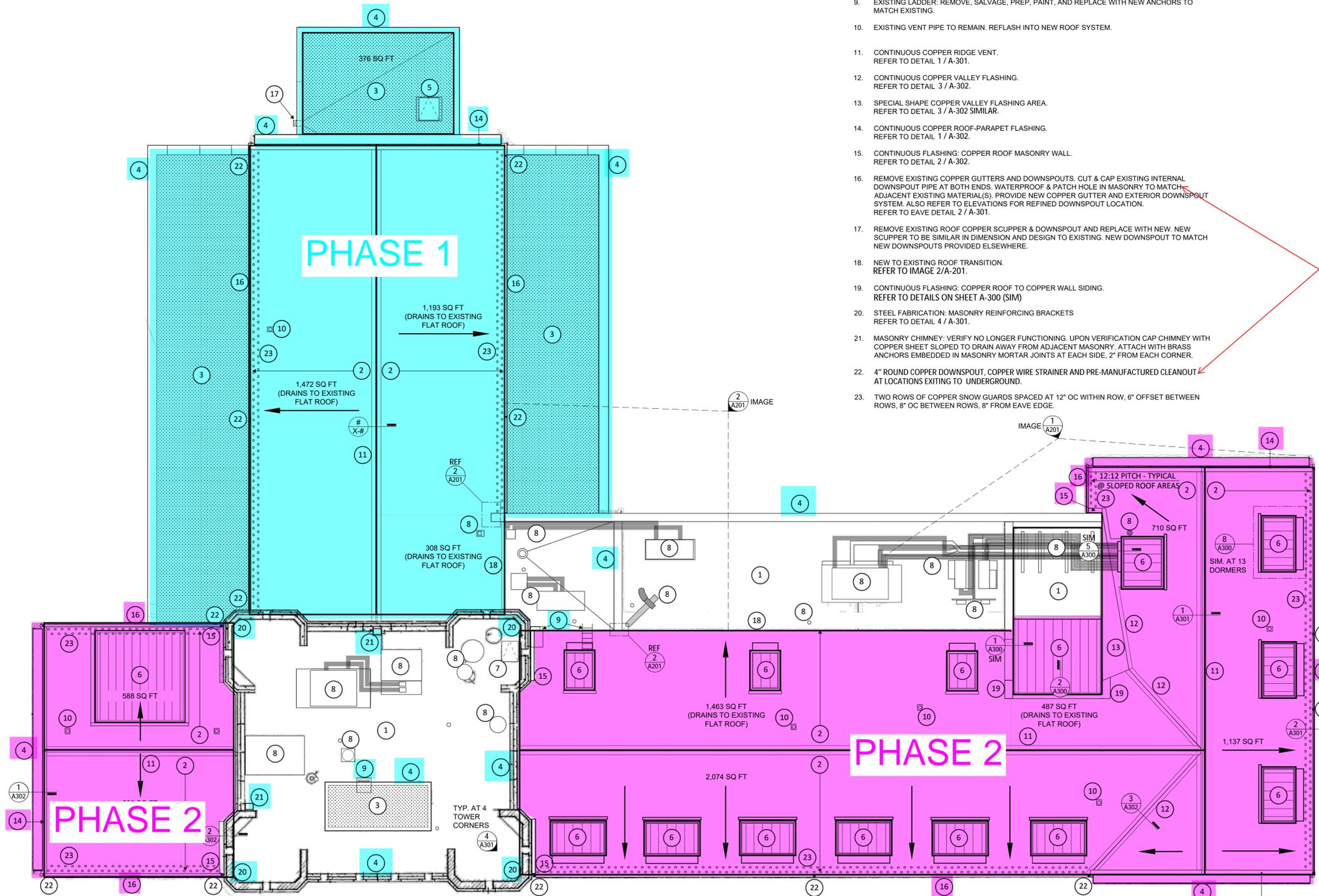
A-100

ARCHITECTURAL ROOF PLAN NOTES:

- EXISTING ROOFING TO REMAIN. CLEAN EXISTING ROOF SURFACE OF ALGAE AND DEBRIS.
- NEW SHINGLE ROOFING SYSTEM: REMOVE EXISTING ROOFING SYSTEM DOWN TO EXISTING STRUCTURE. CLEAN AND PREPARE EXISTING STRUCTURE TO RECEIVE NEW ROOFING SYSTEM CONSISTING OF NAILBASE INSULATION, ICE & WATER UNDERLAYMENT, ROOFING AND AS INDICATED IN THE DETAILS.
- NEW ERMA ROOFING SYSTEM: REMOVE EXISTING ROOFING SYSTEM COMPLETELY AND PROVIDE NEW ERMA ROOFING SYSTEM.
- EXISTING MASONRY PARAPET WITH STONE COPING. REMOVE EXISTING STONE COPING PIECES. CLEAN AND REPAIR OR REPLACE WHEN INDICATED. REFER TO DETAIL 1 / A-302.
- NEW ROOF HATCH ASSEMBLY WITH SAFETY RAILS AND GATE TO FIT EXISTING ROOF OPENING. REFER TO DETAILS ON SHEET A-300
- COPPER STANDING SEAM ROOFING. REFER TO DETAILS ON SHEET A-300
- EXISTING ROOF HATCH SYSTEM TO REMAIN
- EXISTING HVAC, PLUMBING, ELECTRICAL SYSTEMS TO REMAIN. REMOVE AND REPLACE IF REQUIRED TO COMPLETE ADJACENT WORK.
- EXISTING LADDER: REMOVE, SALVAGE, PREP, PAINT, AND REPLACE WITH NEW ANCHORS TO MATCH EXISTING.
- EXISTING VENT PIPE TO REMAIN. REFLASH INTO NEW ROOF SYSTEM.
- CONTINUOUS COPPER RIDGE VENT. REFER TO DETAIL 1 / A-301.
- CONTINUOUS COPPER VALLEY FLASHING. REFER TO DETAIL 3 / A-302.
- SPECIAL SHAPE COPPER VALLEY FLASHING AREA. REFER TO DETAIL 3 / A-302 SIMILAR.
- CONTINUOUS COPPER ROOF-PARAPET FLASHING. REFER TO DETAIL 1 / A-302.
- CONTINUOUS FLASHING: COPPER ROOF MASONRY WALL. REFER TO DETAIL 2 / A-302.
- REMOVE EXISTING COPPER GUTTERS AND DOWNSPOUTS. CUT & CAP EXISTING INTERNAL DOWNSPOUT PIPE AT BOTH ENDS. WATERPROOF & PATCH HOLE IN MASONRY TO MATCH ADJACENT EXISTING MATERIAL(S). PROVIDE NEW COPPER GUTTER AND EXTERIOR DOWNSPOUT SYSTEM. ALSO REFER TO ELEVATIONS FOR REFINED DOWNSPOUT LOCATION. REFER TO EAVE DETAIL 2 / A-301.
- REMOVE EXISTING ROOF COPPER SCUPPER & DOWNSPOUT AND REPLACE WITH NEW. NEW SCUPPER TO BE SIMILAR IN DIMENSION AND DESIGN TO EXISTING. NEW DOWNSPOUT TO MATCH NEW DOWNSPOUTS PROVIDED ELSEWHERE.
- NEW TO EXISTING ROOF TRANSITION. REFER TO IMAGE 2/A-201.
- CONTINUOUS FLASHING: COPPER ROOF TO COPPER WALL SIDING. REFER TO DETAILS ON SHEET A-300 (SIM)
- STEEL FABRICATION: MASONRY REINFORCING BRACKETS REFER TO DETAIL 4 / A-301.
- MASONRY CHIMNEY: VERIFY NO LONGER FUNCTIONING. UPON VERIFICATION CAP CHIMNEY WITH COPPER SHEET SLOPED TO DRAIN AWAY FROM ADJACENT MASONRY. ATTACH WITH BRASS ANCHORS EMBEDDED IN MASONRY MORTAR JOINTS AT EACH SIDE, 2" FROM EACH CORNER.
- 4" ROUND COPPER DOWNSPOUT, COPPER WIRE STRAINER AND PRE-MANUFACTURED CLEANOUT AT LOCATIONS EXITING TO UNDERGROUND.
- TWO ROWS OF COPPER SNOW GUARDS SPACED AT 12" OC WITHIN ROW, 6" OFFSET BETWEEN ROWS, 8" OC BETWEEN ROWS, 8" FROM EAVE EDGE.

ARCHITECTURAL GENERAL NOTES:

- ALL APPLICABLE ROOFING WORK SHALL FOLLOW MICHIGAN STATE UNIVERSITY STANDARDS, UNO.
- VERIFY ALL EXISTING CONDITIONS, LINES, PITCHES, MATERIALS, CONNECTIONS, ETC. TO BE MATCHED OR REMAIN.
- SEE SHEET A-201 IMAGES FOR A GENERAL UNDERSTANDING OF ROOF TYPES, APPEARANCES, AND CONDITIONS AS WELL AS ROOF MOUNTED EQUIPMENT, SYSTEMS AND PENETRATIONS.
- AS PART OF THE ROOF REPLACEMENT SCOPE OF WORK (I.E. BASE BID), ALL MASONRY WORK IN CONTACT WITH NEW AND EXISTING ROOF ASSEMBLIES AND ASSOCIATED FLASHING SHALL BE CLEANED AND REPAIRED OR REPLACED (WHERE INDICATED). THIS INCLUDES BUT IS NOT LIMITED TO ALL STONE COPINGS ON THE BUILDING.
- REFER TO ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION RELATED TO GUTTERS AND DOWNSPOUTS.
- ALL METAL FLASHING SHALL BE FABRICATE, FORMED, AND PLACED IN ACCORDANCE WITH SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION'S (SMACNA) CURRENTLY ADOPTED TECHNICAL STANDARDS FOR ARCHITECTURAL SHEET METAL.



Phase 1: Provide new gutters. Downspouts draining to lower (flat) roofs shall also be replaced with new.
 Phase 2: Provide new copper gutters only (no new downspouts); connect to existing downspouts.

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