

PHASE 5
Remove condensing units for air handlers 20 & 21 and replace cooling coils with chilled water. Remove pool dehumidification unit and condenser. Provide new pool dehumidifier unit and dry cooler with glycol piping. Replace Jace controllers for associated air handlers and East boiler room.

REVISIONS

REVNO DESCRIPTION DATE

**MPS - SOUTHWEST
HIGH SCHOOL**
HVAC Upgrades
Special School District No. 1
3414 West 47th Street
Minneapolis, Minnesota 55410

SIGNATURE / SEAL

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the State of Minnesota.

Signature
Eric E. Anderson, AIA

Typed or printed name
September 9, 2025

Date
53046
License Number

KEYPLAN

F
E
D
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DRAWN BY
TAP

CHECKED BY
EEA

ISSUED FOR
CONSTRUCTION DOCUMENTS

ISSUE DATE
SEPTEMBER 9, 2025

SHEET NAME
CONSTRUCTION PHASING PLANS

ATSR PROJECT NO.
24019.1

REVISION NO.

SHEET NUMBER

A004

PHASE 1 - SUMMER 2026
PHASE 2 - SUMMER 2027
PHASE 3 - SUMMER 2028
PHASE 4 - SUMMER 2029
PHASE 5 - SUMMER 2030

PHASE 2
Lighting replacement to LED throughout the above rooms and room W105, W206, W208, W208A, W209 & W209H. Replace lights in Commons area.

PHASE 4
Remove air handler no 14 in boiler room, serving the West Science rooms through air tunnel. Remove fin tube and seal floor openings to air tunnel. Remove condensing units, refrigerant piping, and VRF cassettes from west science wing. Provide rooftop DOAS unit. Run ductwork in ceiling to new Displacement units and Chilled Beams. Run chilled water and hot water to DOAS unit 14. Run heating water to Displacement units and chilled beams. Replace Jace controllers for associated air handlers and west boiler room.

PHASE 2
Remove condensing units for air handlers 18 & 19, rooftop units 22 and 23, and condensing units for variable refrigerant units from the shops and art rooms. Remove air handlers (3) for the Art rooms and wood shop. Remove Variable Refrigerant cassettes and piping in shops and art rooms. Replace cooling coils in air handlers 18 & 19, Rooftop units 22 and 23 with chilled water coils. Provide new Art Room air handler 30 and wood shop Air Handler 31. Provide ships ladder and Access platform. Run chilled water piping to the units above and provide with valves and caps for future phases. Ceiling replacement follows the ductwork and piping work in these areas.

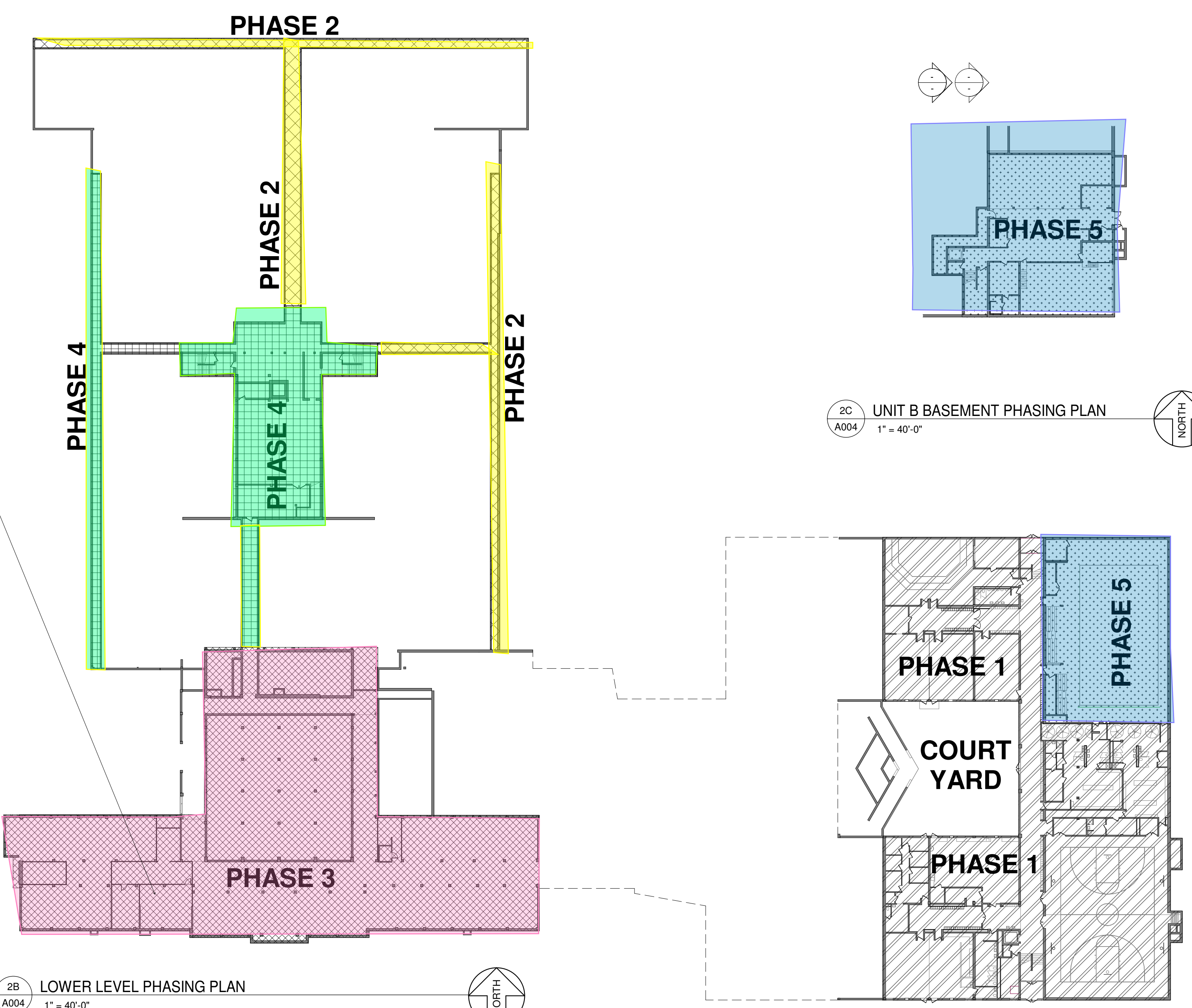
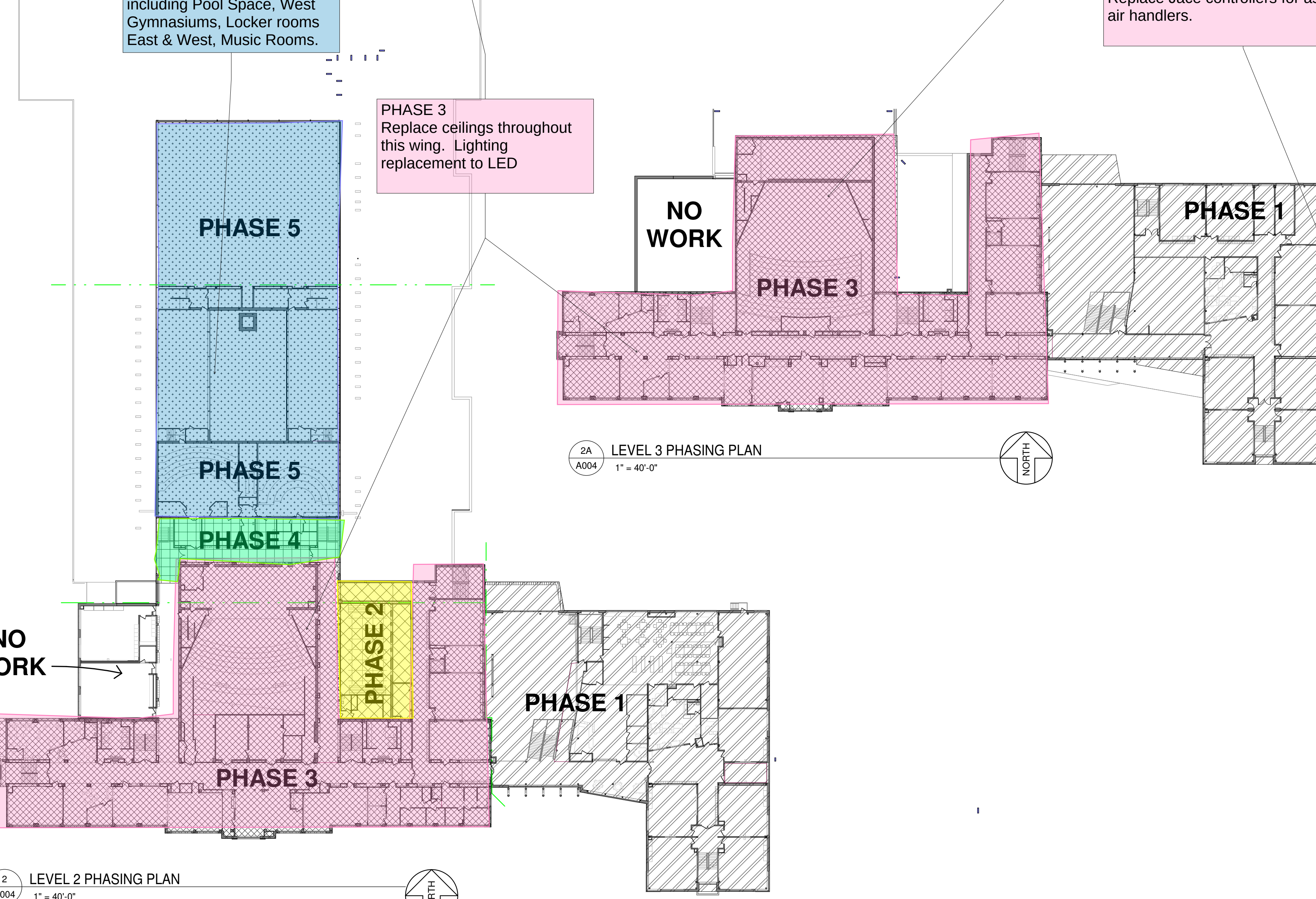
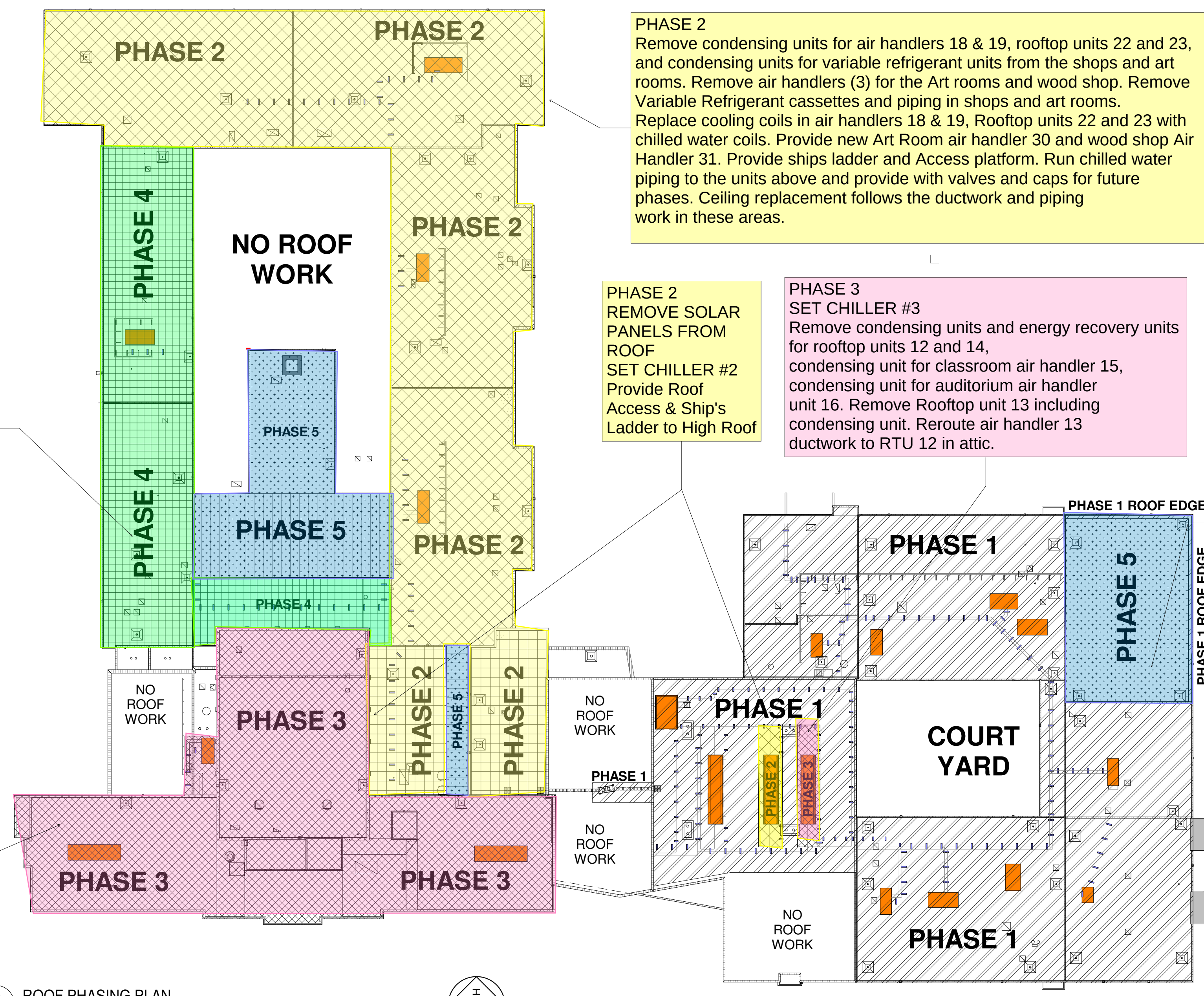
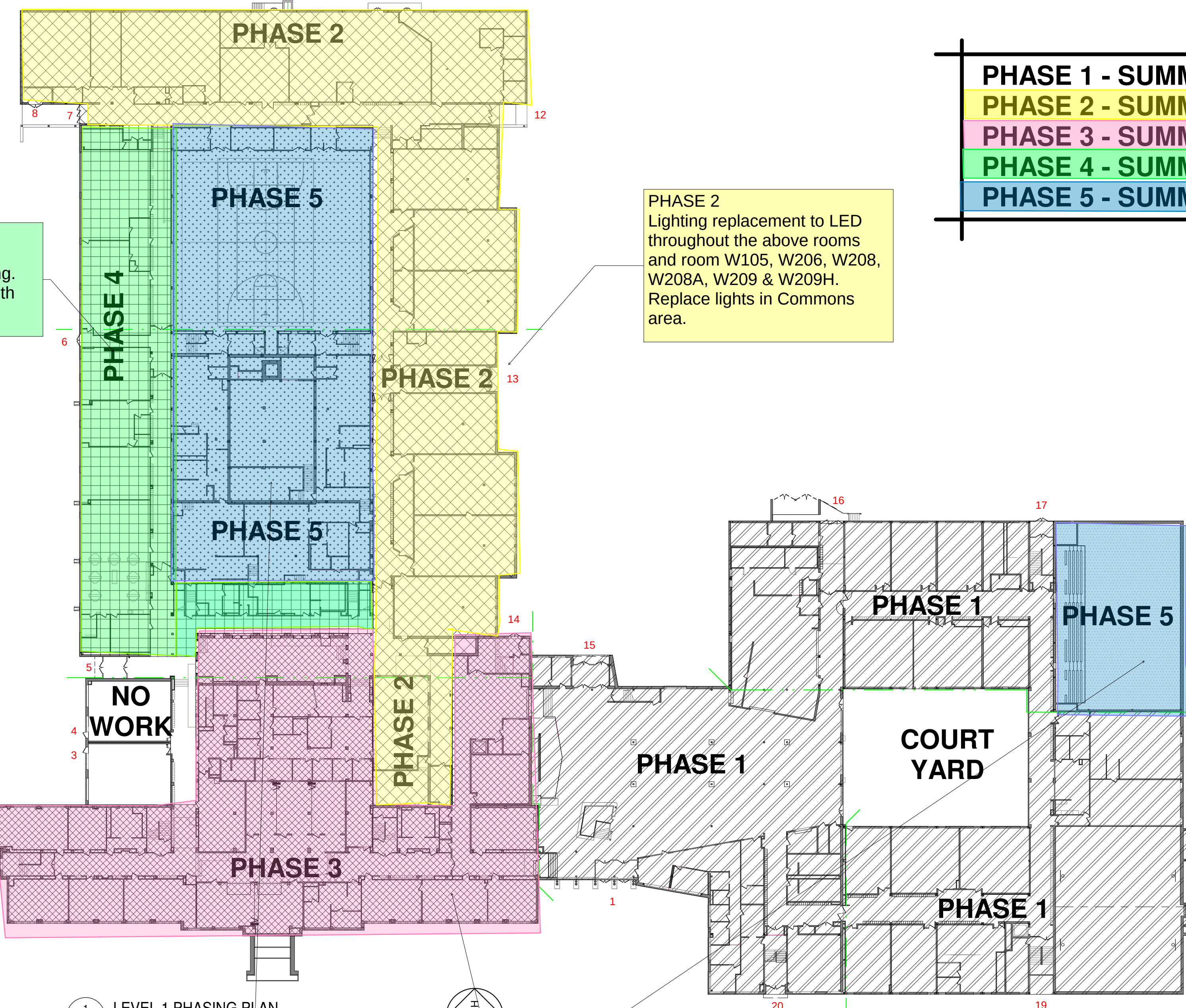
PHASE 2
REMOVE SOLAR PANELS FROM ROOF
SET CHILLER #2
Provide Roof Access & Ship's Ladder to High Roof

PHASE 3
SET CHILLER #3
Remove condensing units and energy recovery units for rooftop units 12 and 14, condensing unit for classroom air handler 15, condensing unit for auditorium air handler unit 16. Remove Rooftop unit 13 including condensing unit. Reroute air handler 13 ductwork to RTU 12 in attic.

PHASE 3
Provide new air handler for 16 in penthouse mechanical room. Provide new rooftop energy recovery/rooftop air handlers for units 12 and 14. Remove condensing unit for rooftop 17 and replace cooling coil with chilled water. Run chilled water through attic space to units 12, 14 and 16. Run chilled water down to air handler 15 on 2nd floor and from attic to rooftop unit 17. Replace Jace controllers for associated air handlers.

PHASE 5
Replace lighting with LED s throughout these areas including Pool Space, West Gymnasiums, Locker rooms East & West, Music Rooms.

PHASE 3
Replace ceilings throughout this wing. Lighting replacement to LED



2A
A004
1" = 40'-0"

2B
A004
1" = 40'-0"