

MACOMB COUNTY EXECUTIVE MACOMB COUNTY JAIL VARIOUS PROJECTS PROPOSAL A, B AND C

43565 ELIZABETH STREET, MOUNT CLEMENS, MI 48043

ISSUED FOR: BIDS
DATE: AUGUST 26, 2022
PROJECT NO.: 221958

ARCHITECT:



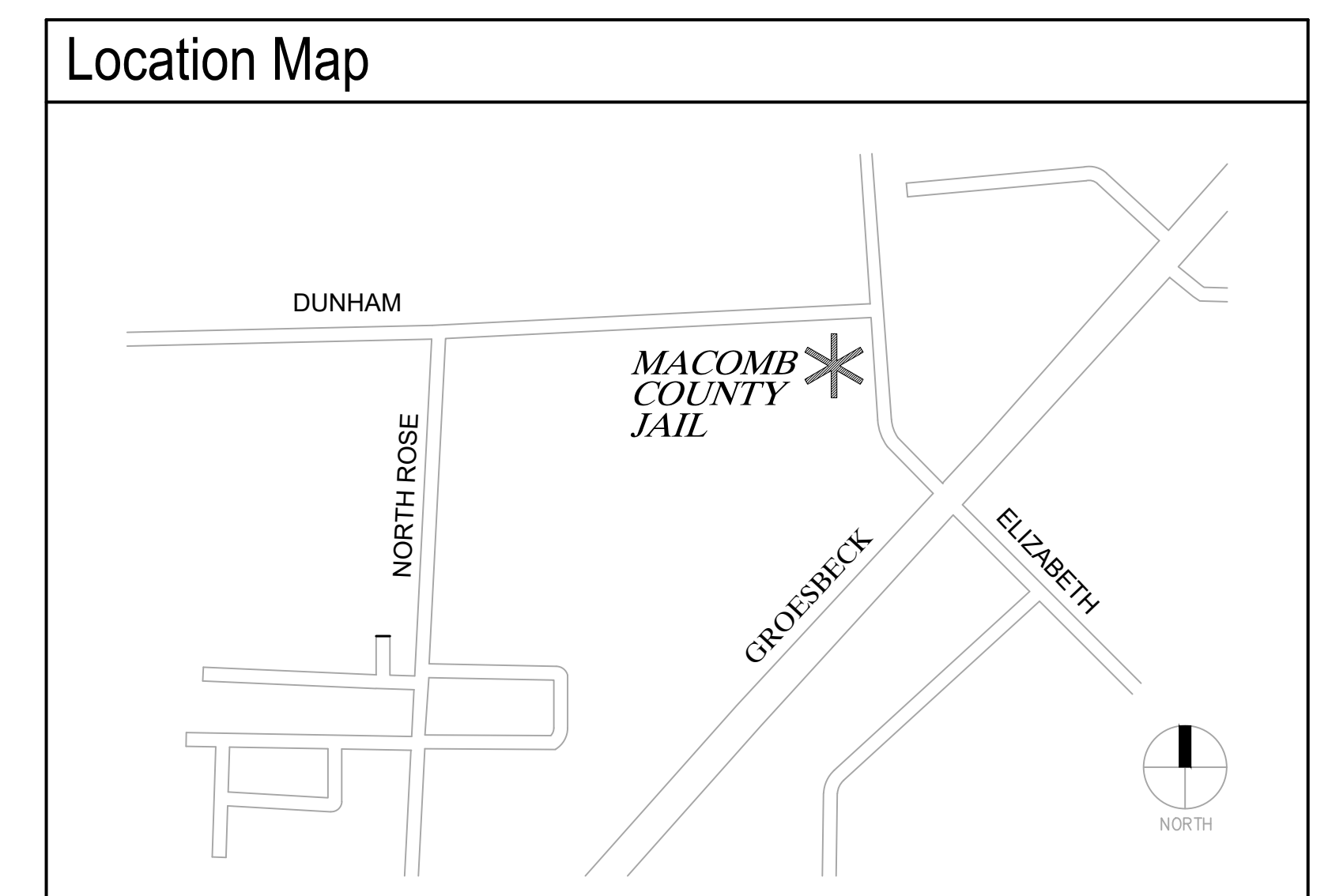
WAKELY ASSOCIATES, INC./ ARCHITECTS
30500 VAN DYKE AVE, SUITE M-7, WARREN, MI 48093, 586-573-4100

MECHANICAL/ELECTRICAL ENGINEER:



STRATEGIC ENERGY SOLUTION, INC.
4000 WEST ELEVEN MILE ROAD, BERKLEY, MI 48072, 248.399.1900

Index of Drawings	
GENERAL DRAWINGS:	
G0.0	COVER SHEET & DRAWING LIST
PROPOSAL A:	
ARCHITECTURAL DRAWINGS:	
A0.1A	COMPOSITE FLOOR PLAN - BASEMENT
A0.2A	COMPOSITE FLOOR PLAN - FIRST FLOOR
A0.3A	COMPOSITE FLOOR PLAN - SECOND FLOOR
D1.1A	ENLARGED DEMOLITION FLOOR PLANS - FIRST AND UPPER FLOOR
D1.2A	ENLARGED DEMOLITION FLOOR PLANS - FIRST AND SECOND FLOOR
A1.1A	ENLARGED BASEMENT, FIRST AND UPPER FLOOR NEW WORK PLANS
A1.2A	ENLARGED FIRST AND UPPER FLOOR NEW WORK PLANS - ALTERNATE NO. 1 AND 2
A1.3A	MENS AND WOMENS LOCKER ROOMS - ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND DETAILS
A2.0A	ENLARGED BASEMENT, FIRST AND UPPER FLOOR REFLECTED CEILING PLANS
A2.1A	ENLARGED FIRST AND SECOND FLOOR REFLECTED CEILING PLANS
A6.1A	SCHEDULES AND DETAILS
MECHANICAL DRAWINGS:	
M0.0	MECHANICAL GENERAL INFORMATION
FP1.1	FIRE PROTECTION PLAN
MD1.0	MECHANICAL DEMOLITION PARTIAL BASEMENT PLAN
MD1.1	MECHANICAL DEMOLITION PARTIAL FLOOR PLAN
M1.0	MECHANICAL NEW WORK PARTIAL BASEMENT PLAN
M1.1	MECHANICAL NEW WORK PARTIAL FLOOR PLAN
M2.1	MECHANICAL SCHEDULES AND DETAILS
ELECTRICAL DRAWINGS:	
E0.0	ELECTRICAL GENERAL INFORMATION
E0.1	LIGHTING SCHEDULE AND CONTROLS MATRIX
ED1.0	ELECTRICAL DEMOLITION PARTIAL BASEMENT PLAN
ED1.1	ELECTRICAL DEMOLITION PARTIAL FIRST FLOOR PLAN
ED1.2	ELECTRICAL DEMOLITION PARTIAL SECOND FLOOR PLAN
E1.0	ELECTRICAL NEW WORK PARTIAL BASEMENT PLAN
E1.1	ELECTRICAL NEW WORK PARTIAL FIRST FLOOR PLAN
E1.2	ELECTRICAL NEW WORK PARTIAL SECOND FLOOR PLAN
E2.1	ELECTRICAL SCHEDULES AND DETAILS
PROPOSAL B:	
ARCHITECTURAL DRAWINGS:	
A0.1B	COMPOSITE FLOOR PLAN - BASEMENT
A0.2B	COMPOSITE FLOOR PLAN - FIRST FLOOR
A0.3B	COMPOSITE FLOOR PLANS - SECOND TO SIXTH FLOOR
A0.4B	COMPOSITE FLOOR PLANS - SEVENTH TO TWELFTH FLOOR
A3.0B	MESH BARRIER DETAILS
PROPOSAL C:	
ARCHITECTURAL DRAWINGS:	
A0.1C	COMPOSITE FLOOR PLAN - BASEMENT
A0.2C	COMPOSITE FLOOR PLAN - FIRST FLOOR
A0.3C	COMPOSITE FLOOR PLANS - SECOND TO SIXTH FLOOR
A0.4C	COMPOSITE FLOOR PLANS - SEVENTH TO TWELFTH FLOOR
A6.1C	DOOR SCHEDULE AND DETAILS



TYPICAL CONSTRUCTION NOTES:

1. ALL WORK SHALL COMPLY WITH NATIONAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. ALL MATERIALS SHALL BE INSTALLED/APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER'S REGULATIONS.
3. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VISITING THE JOB SITE AND FAMILIARIZING THEMSELVES WITH EXISTING CONDITIONS PRIOR TO START OF WORK. ALL DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED, AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE RECEIPT OF BIDS. FAILURE OF THE CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO THE AWARD OF BID WILL NOT BE CONSIDERED AS GROUNDS FOR AN EXTRA.
4. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT. PROVIDE ALL NECESSARY TEMPORARY PROTECTION TO ENSURE THE SAFETY OF THE GENERAL PUBLIC DURING CONSTRUCTION.
5. ALL ITEMS SHALL BE AS SPECIFIED BY ARCHITECT.
6. SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION/APPLICATION.
7. ALL DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE SITE BY THE CONTRACTOR.
8. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING MATERIALS AND CONSTRUCTION TO REMAIN.
9. CONTRACTOR SHALL CUT AND PATCH EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED TO COMPLETE THE WORK.
10. CONTRACTOR SHALL KEEP NOISE, DUST, ETC., TO A MINIMUM STANDARD AS SET FORTH BY THE OWNER.
11. CONTRACTOR SHALL COORDINATE INSTALLATION AND PHASING OF WORK WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK.

NEW WORK PLAN GENERAL NOTES:

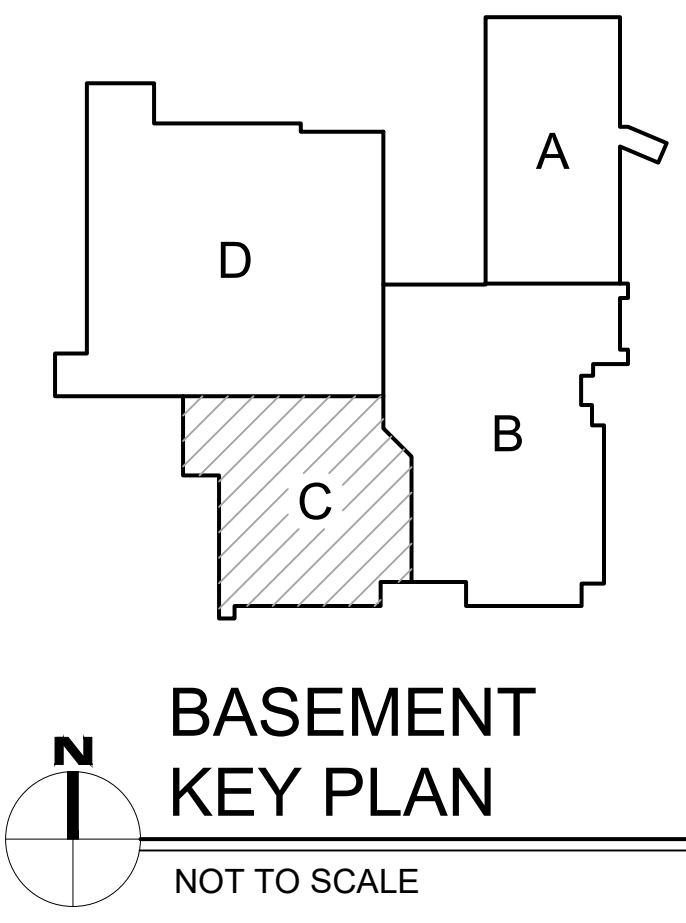
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**MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL**

PROPOSAL A	
COMPOSITE FLOOR PLAN - BASEMENT	
PRELIMINARY	<input type="checkbox"/>
DESIGN DEVELOPMENT	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>
FINAL RECORD	<input type="checkbox"/>
DRAWN BY	KAN
CHECKED BY	RAS
REVISIONS	
BIDS	08/26/2022
DATE: AUGUST 26, 2022	
SHEET NO.	
A0.1A	
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COMPOSITE BASEMENT FLOOR PLAN
 SCALE: 1/16" = 1'-0"
 1
 A0.1A

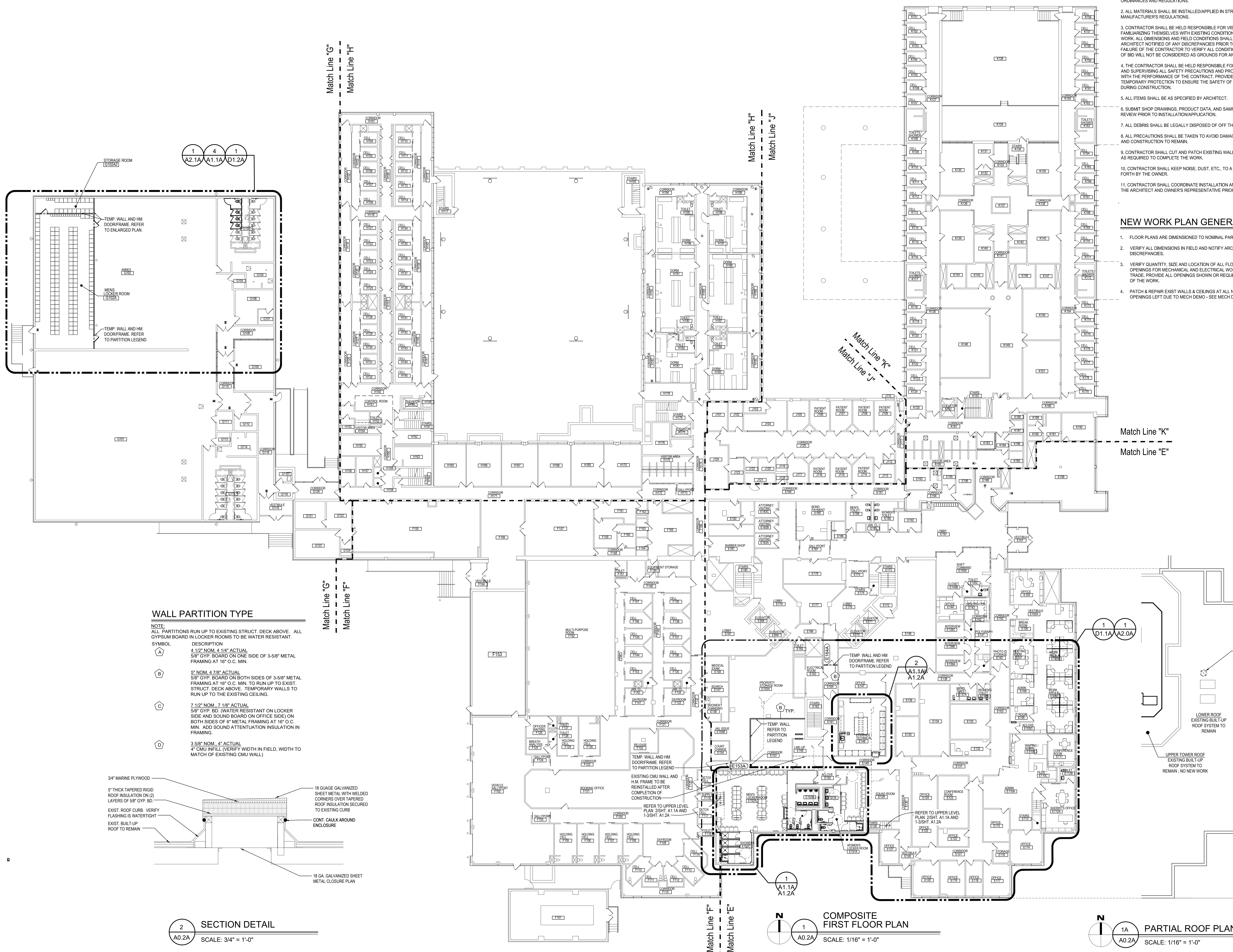
BASEMENT KEY PLAN
 NOT TO SCALE

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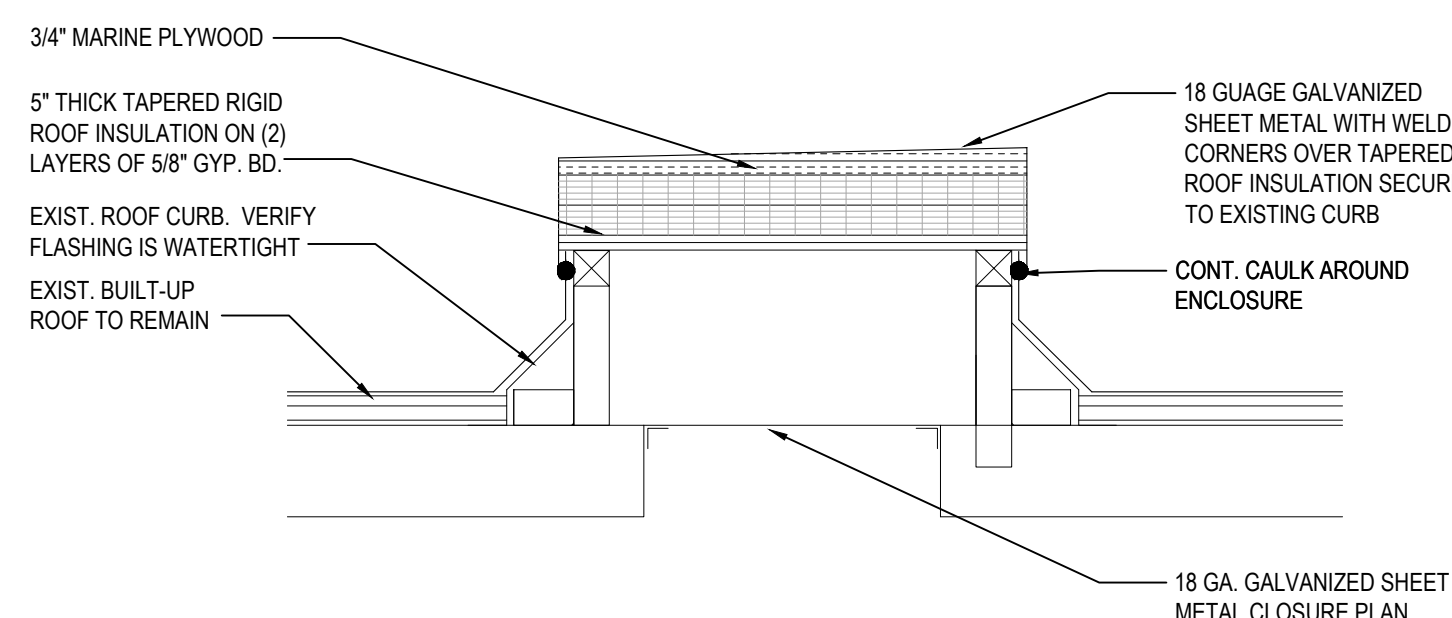
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WALL PARTITION TYPE

NOTE: ALL PARTITIONS RUN UP TO EXISTING STRUCT. DECK ABOVE. ALL GYPSUM BOARD IN LOCKER ROOMS TO BE WATER RESISTANT.

SYMBOL	DESCRIPTION
A	4 1/2" NOM. 4 1/4" ACTUAL 5/8" GYP. BOARD ON ONE SIDE OF 3-5/8" METAL FRAMING AT 16" O.C. MIN.
B	5" NOM. 4 7/8" ACTUAL 5/8" GYP. BOARD ON BOTH SIDES OF 3-5/8" METAL FRAMING AT 16" O.C. MIN. TO RUN UP TO EXIST. STRUCT. DECK ABOVE. TEMPORARY WALLS TO RUN UP TO THE EXISTING CEILING.
C	7 1/2" NOM. 7 1/8" ACTUAL 5/8" GYP. BD. (WATER RESISTANT ON LOCKER SIDE AND SOUND BOARD ON OFFICE SIDE) ON BOTH SIDES OF 6" METAL FRAMING AT 16" O.C. MIN. ADD SOUND ATTENUATION INSULATION IN FRAMING.
D	3-5/8" NOM. 4" ACTUAL 4" CMU INFILL (VERIFY WIDTH IN FIELD, WIDTH TO MATCH OF EXISTING CMU WALL)



SECTION DETAIL

A0.2A SCALE: 3/4" = 1'-0"

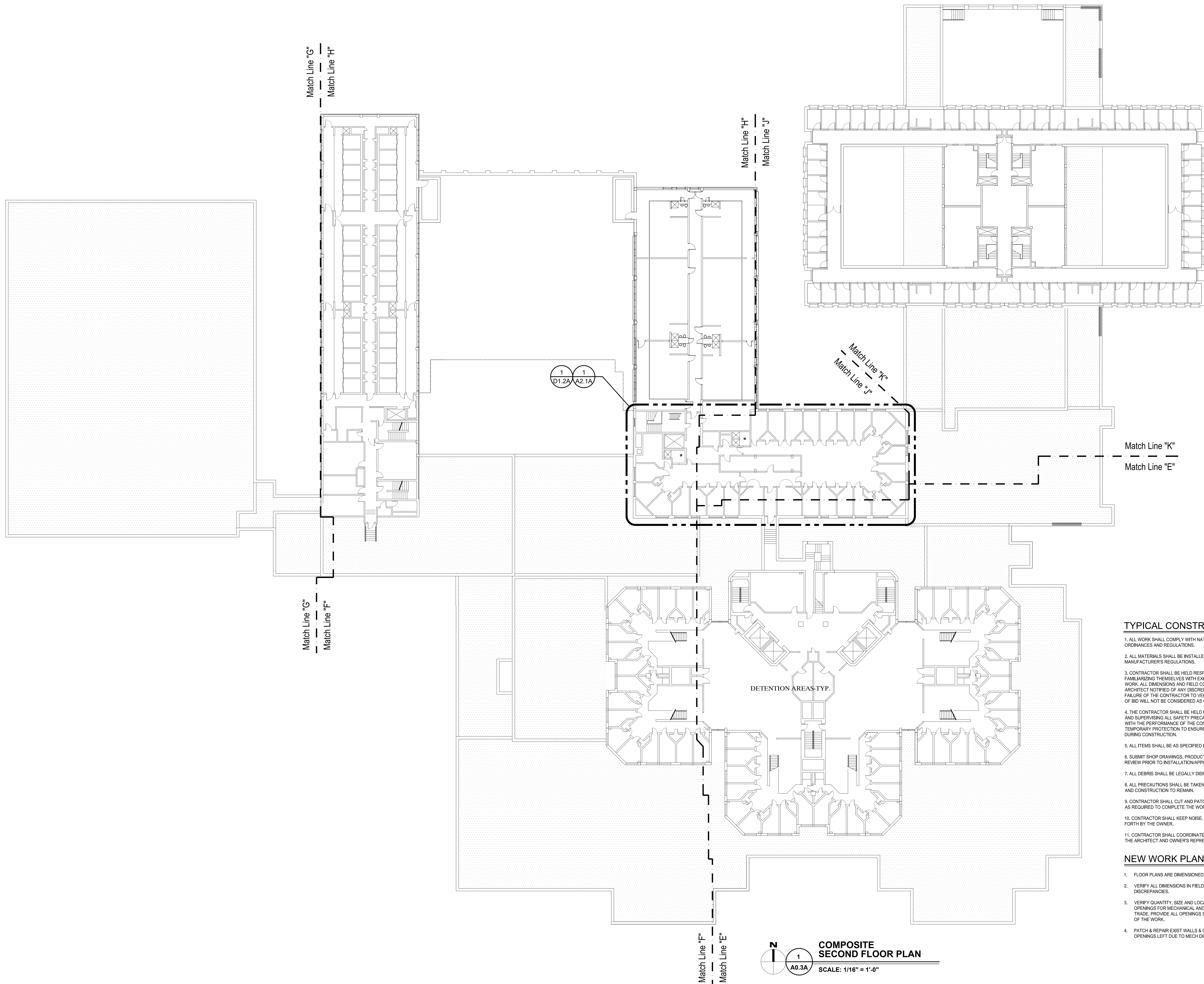
COMPOSITE FIRST FLOOR PLAN

A0.2A SCALE: 1/16" = 1'-0"

PARTIAL ROOF PLAN

A0.2A SCALE: 1/16" = 1'-0"

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COMPOSITE SECOND FLOOR PLAN
SCALE: 1/16" = 1'-0"

PROPOSAL A
COMPOSITE FLOOR PLAN - SECOND FLOOR

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: KAN
CHECKED BY: RAS

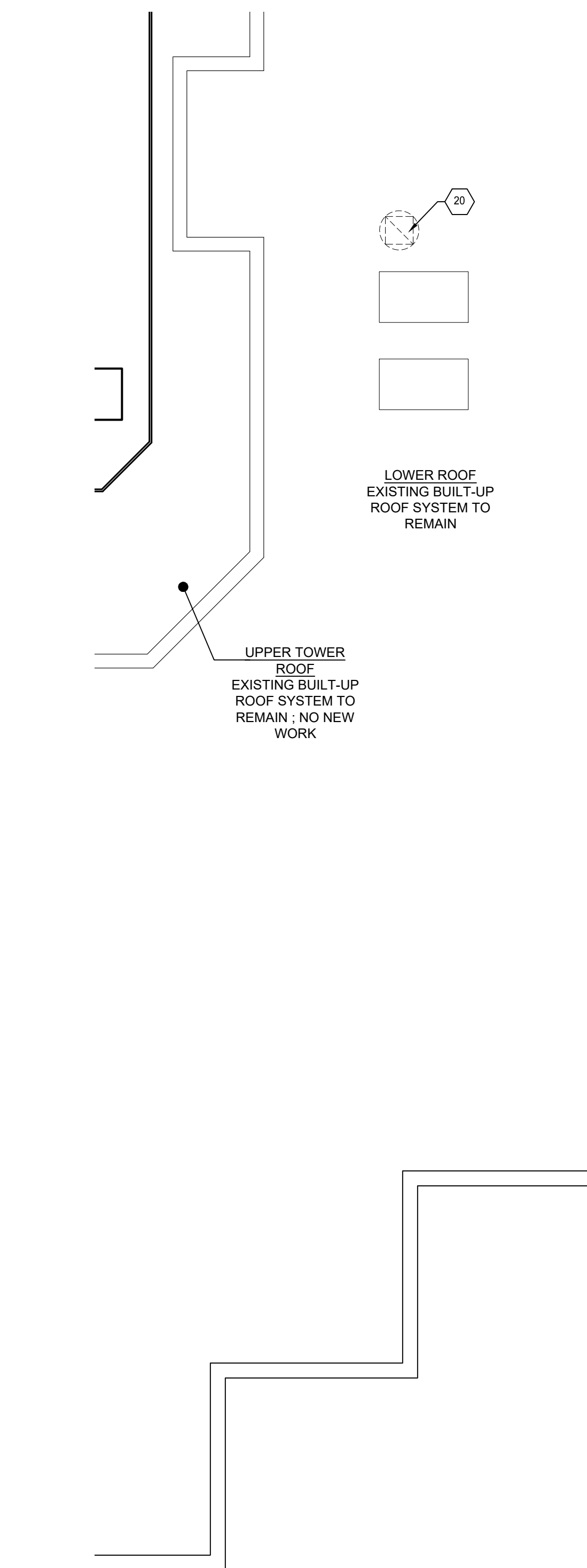
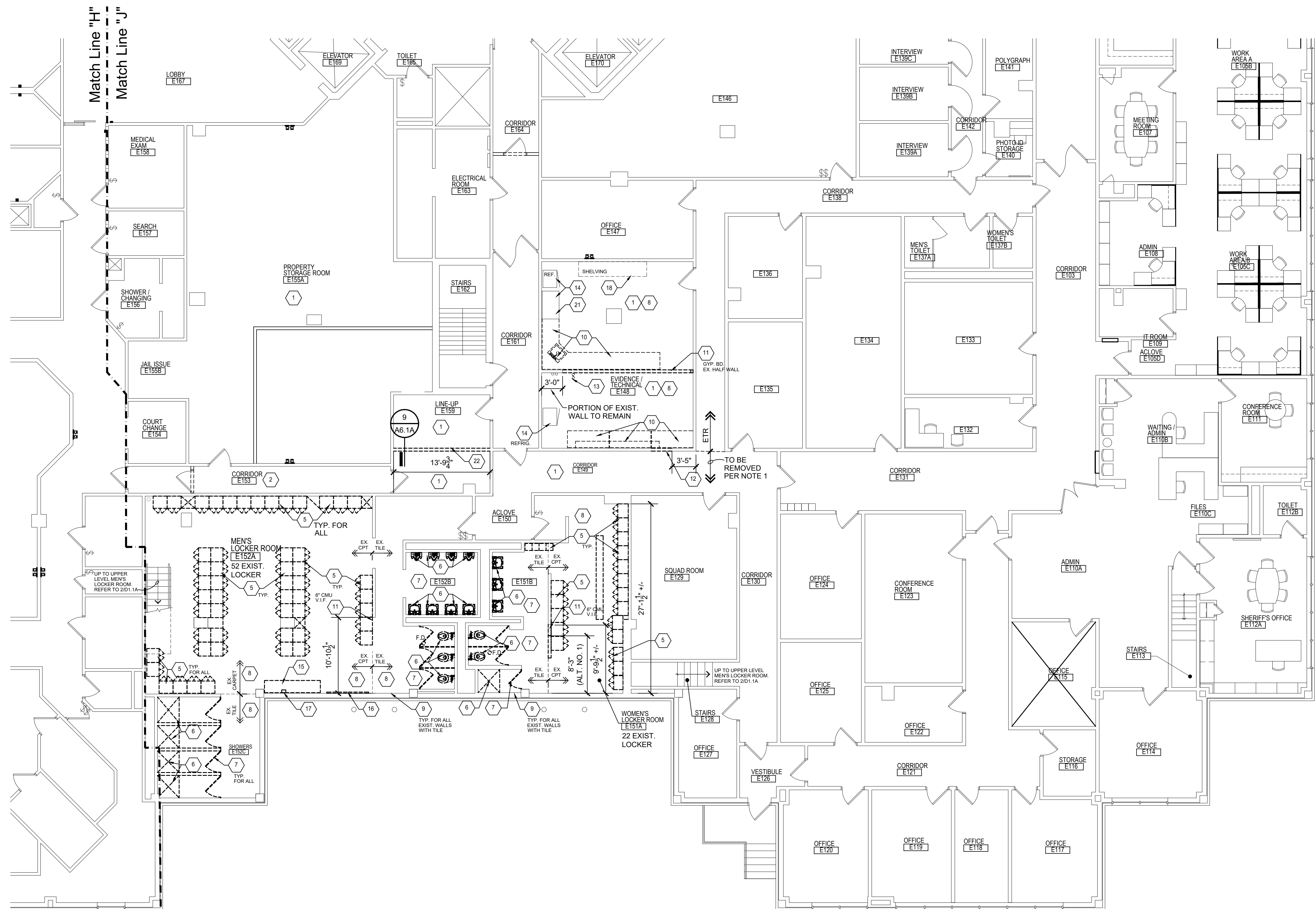
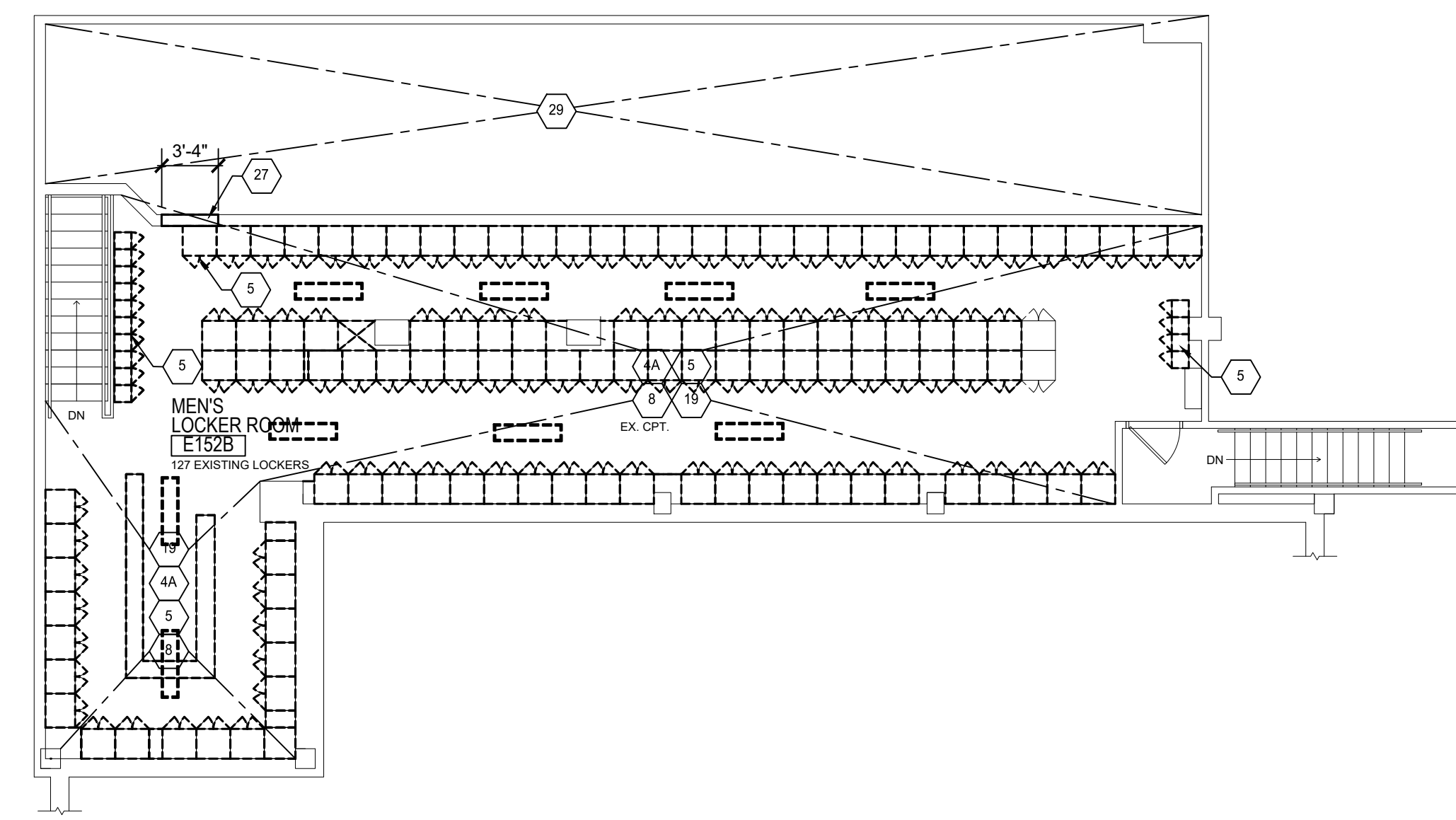
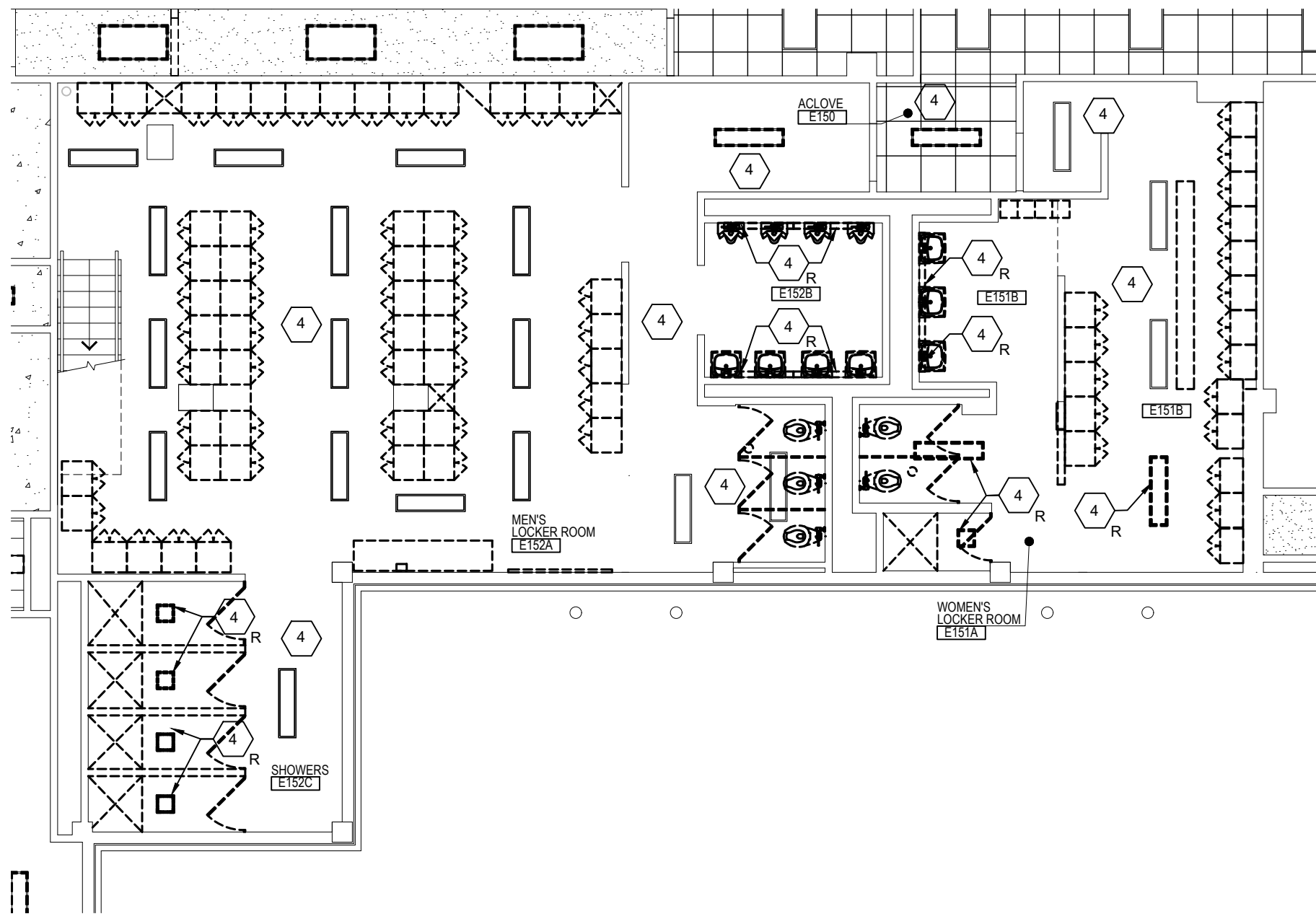
REVISIONS
BIDS 08/28/2022

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SHEET NO.

A0.3A

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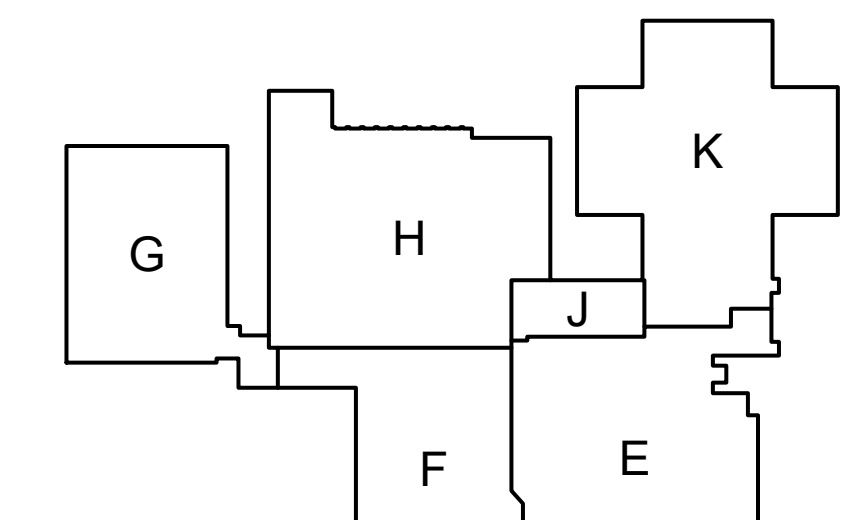


DEMOLITION PLAN GENERAL NOTES:

- A. ALL DEMOLITION NECESSARY FOR THE INSTALLATION OF NEW CONSTRUCTION IS PART OF THE CONTRACT ISSUED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DEMOLITION, CUTTING AND PATCHING, SHORING AND BRACING AS REQUIRED TO COMPLETE THE WORK SHOWN/DESCRIBED IN THE CONSTRUCTION DOCUMENTS OR AS REQUIRED TO COMPLETE THE WORK.
- B. PROVIDE PROTECTION FOR EXISTING CONSTRUCTION TO REMAIN. PATCH AND REPAIR ALL AREAS DAMAGED DURING DEMOLITION. CONSTRUCTION, MATCH EXISTING CONSTRUCTION, MATERIALS AND FINISHES. TYPICAL ALL LOCATIONS.
- C. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
- D. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR REMOVAL AND/OR CAPPING OF UTILITIES WHERE EQUIPMENT IS REMOVED.
- E. COORDINATE PHASING AND SEQUENCING OF DEMOLITION AND PATCHING WORK WITH CONSTRUCTION MANAGER.
- F. DO NOT REMOVE ANY INDICATED OR NOTED BEAMS, COLUMNS, OR MASONRY BEARING WALLS WITHOUT OBSERVING THE EFFECT UPON THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN. ALL QUESTIONABLE CONDITIONS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION PRIOR TO REMOVAL OF SUCH ITEMS.
- G. WHERE EXISTING MASONRY WALLS INDICATED TO BE REMOVED EXTEND BELOW FLOOR SLAB. REMOVE MATERIAL TO 1" MIN. BELOW FINISH FLOOR TO ALLOW FOR TIE-IN OF NEW CONCRETE SLAB (U.N.O.)
- H. PATCH EXPOSED FACES OF EXISTING WALLS AND CEILINGS TO REMAIN ADJACENT TO LOCATIONS WHERE EXISTING WALLS ARE INDICATED TO BE REMOVED. FILL AND PATCH SUBFLOORS TO RECEIVE NEW FLOOR COVERING. PATCH BASE TO MATCH ADJACENT WHERE ENTIRE AREA IS NOT SCHEDULED TO RECEIVE NEW BASES. TOOTH NEW MASONRY AT REMOVED WALLS TO MATCH COURSING OF EXISTING WALLS.
- I. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARD, TACKBOARD, EQUIPMENT OR EDUCATIONAL SPECIALTY EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASES, AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
- J. WHERE REMOVAL OF PORTIONS OF SUBFLOORS IS INDICATED OR IS REQUIRED TO PERFORM INDICATED WORK, PATCH AND REPLACE FLUSH WITH EXISTING UPON COMPLETION OF RELATED WORK.
- K. UNLESS OTHERWISE INDICATED, TOOTH NEW MASONRY MATERIAL INTO EXISTING WALLS WHEREVER MASONRY PATCHING IS EXPOSED. MATCH COURSING AND WALL THICKNESS.
- L. SEE SPECIFICATION FOR REMOVAL OF MATERIALS TO BE SALVAGED FOR REUSE.
- M. CONTRACTOR RESPONSIBLE FOR ALL DEMOLITION OF CONCRETE SLAB FOR NEW SANITARY, WATER AND ELECTRICAL LINES. COORDINATE WITH TRADES.

DEMOLITION KEYNOTES:

1. REMOVE EXISTING CEILING GRID AND TILE TO ACCESS SANITARY LINE SCHEDULED FOR REPLACEMENT. SALVAGE LIGHTING, DIFFUSERS, RETURN GRILLES, ETC. FOR REINSTALLATION AFTER NEW SANITARY WORK IS COMPLETED. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILING.
2. REMOVE EXISTING GYPSUM BOARD CEILING, FRAMING, LIGHTING, DIFFUSERS, ETC. COMPLETE FOR NEW SANITARY LINE WORK ABOVE. REINSTALL EXISTING LIGHTING, DIFFUSERS, ETC. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILINGS.
3. REMOVE ALL EXISTING DUCTWORK AND SPRINKLER LINES AS REQUIRED FOR SANITARY LINE WORK. REFER TO MECH. DRAWINGS.
4. EXISTING LIGHT FIXTURES TO REMAIN. REMOVE, SALVAGE AND REINSTALL LIGHT FIXTURES AS NOTED (R).
5. REMOVE AND SALVAGE EXISTING LIGHT FIXTURES. RELOCATE IN UPPER LEVEL MECHANICAL SPACE.
6. BASE BID: ALL EXISTING LOCKERS, WOOD BENCH AND MIRRORS TO BE MOVED TEMPORARILY TO ANNEX FOR USE DURING CONSTRUCTION. REFER TO SHEET A1.1A. ALL FILLER PANELS TO BE DEMOLISHED. VERIFY QUANTITY OF ALL EXISTING LOCKERS. ALL SERIAL NO. 1 AND 2. ALL EXISTING LOCKERS TO BE MOVED TEMPORARILY TO ANNEX FOR USE DURING CONSTRUCTION. NEW LOCKERS TO BE INSTALLED AS SHOWN ON SHEET A1.2A. DEMOLISH ALL EXISTING LOCKERS, LOCKER BASE, WOOD BENCHES AND MIRRORS WHEN NEW LOCKERS ARE INSTALLED AND OPERATIONAL.
7. ALL PLUMBING FIXTURES (SINKS, WATER CLOSETS, URINALS, SHOWERS, ETC.) TO BE REMOVED COMPLETE. CAP ALL EXISTING PLUMBING IN EXISTING PLUMBING WALL SHIFTS. RELOCATE SANITARY LINES FOR NEW FLOOR/SHOWER DRAINS AND PLUMBING FIXTURES AS REQUIRED. CORE THROUGH THE EXISTING PRECAST CONCRETE SLAB AS REQUIRED FOR FLOOR DRAINS. EXISTING SHOWER FLOORS TO BE PATCHED TO NEW FLOOR DRAINS AS REQUIRED. COORDINATE WITH MECHANICAL DRAWINGS.
8. ALL TOILET AND/OR SHOWER PARTITIONS AND TOILET ACCESSORIES (TOILET DISPENSERS, MIRROR, SOAP DISPENSER, ETC.) TO BE REMOVED COMPLETE AND REPLACED WITH NEW.
9. ALL EXISTING FLOORING AND WALL BASE TO BE REMOVED COMPLETE. REFER TO PLAN FOR EXISTING MATERIALS.
10. EXISTING WALL TILE (FULL HEIGHT) TO REMAIN. NEW TILE TO BE INSTALLED OVER EXISTING TILE. REFER TO FLOOR PLAN 1A1.3A FOR EXTENT.
11. EVIDENCE ROOM: REMOVE ALL EXISTING COUNTERTOPS/WORSTATIONS, UPPER CABINETS AND SINK COMPLETE. CAP ALL EXISTING WATER AND SANITARY LINES.
12. REMOVE EXISTING WALL (FULL HEIGHT) COMPLETE.
13. REMOVE PORTION OF EXISTING WALL (8'-0" W x 5'-0" H) FOR NEW PASS THRU EVIDENCE LOCKERS. VERIFY SIZE OF OPENING WITH CONTRACTOR/MANFCTR.
14. EXISTING PIPING TO BE RELOCATED. REFER TO MECH. DWGS. PATCH EXISTING CONCRETE FLOOR AS REQUIRED.
15. EXISTING OWNER EQUIPMENT TO REMAIN.
16. EXISTING FILE CABINETS TO BE SALVAGED AND RETURNED TO THE OWNER.
17. EXISTING TACKBOARD/MARKERBOARD TO BE REMOVED COMPLETE AND RETURNED TO OWNER.
18. EXISTING SPEAKER TO REMAIN. VERIFY LOCATION IN THE FIELD.
19. EXISTING SHELVES TO BE REMOVED AND RELOCATED IN BASEMENT STORAGE AREA.
20. REMOVE EXISTING FIRE PROOFING ON EXISTING ROOF DECK, STRUCTURAL BEAMS, COLUMNS, ETC. COMPLETE. PREP SURFACE FOR NEW INTUMESCENT PAINT.
21. EXISTING EXHAUST FAN TO BE REMOVED COMPLETE. REFER TO MECH. DWGS. EXISTING CURB TO REMAIN. REFER TO DETAIL 210.2A.
22. EXISTING FLUME HOOD TO BE REMOVED COMPLETE. REFER TO MECH/ELECT. DWGS.
23. REMOVE MASONRY WALL 3 COURSES HIGH WITH HOLLOW METAL FRAME AND GLAZING ABOVE. REINSTALL WALL AFTER CONSTRUCTION IS COMPLETE. EXISTING FLOOR AND WALL FINISHES TO REMAIN. TOUCH UP PAINT AS REQ'D.
24. REMOVE EXISTING METAL WALL HUNG TOILETS COMPLETE. REFER TO PLUMBING DRAWINGS.
25. EXISTING SHAFT WALL AND CONCRETE CAP TO REMAIN.
26. EXISTING WATER CLOSETS, TOILET PARTITIONS AND ACCESSORIES TO REMAIN.
27. EXISTING TOILET PARTITIONS AND ACCESSORIES TO BE REMOVED. SALVAGE EXISTING TOILET ACCESSORIES AND REINSTALL AFTER INSTALLATION OF NEW TOILET PARTITIONS.
28. REMOVE EXIST. GYP. BD METAL STUDS AS REQUIRED FOR NEW DOOR OPENING. REFRAME AS WALL AS REQUIRED.
29. EXISTING PLASTER CEILING TO REMAIN. REMOVE EXISTING LIGHT FIXTURES COMPLETE. REFER TO REFLECTED CEILING PLAN AND TO ELECT. DWGS.
30. REMOVE ALL EXISTING LIGHTING. EXISTING EXPOSED CEILING TO REMAIN.



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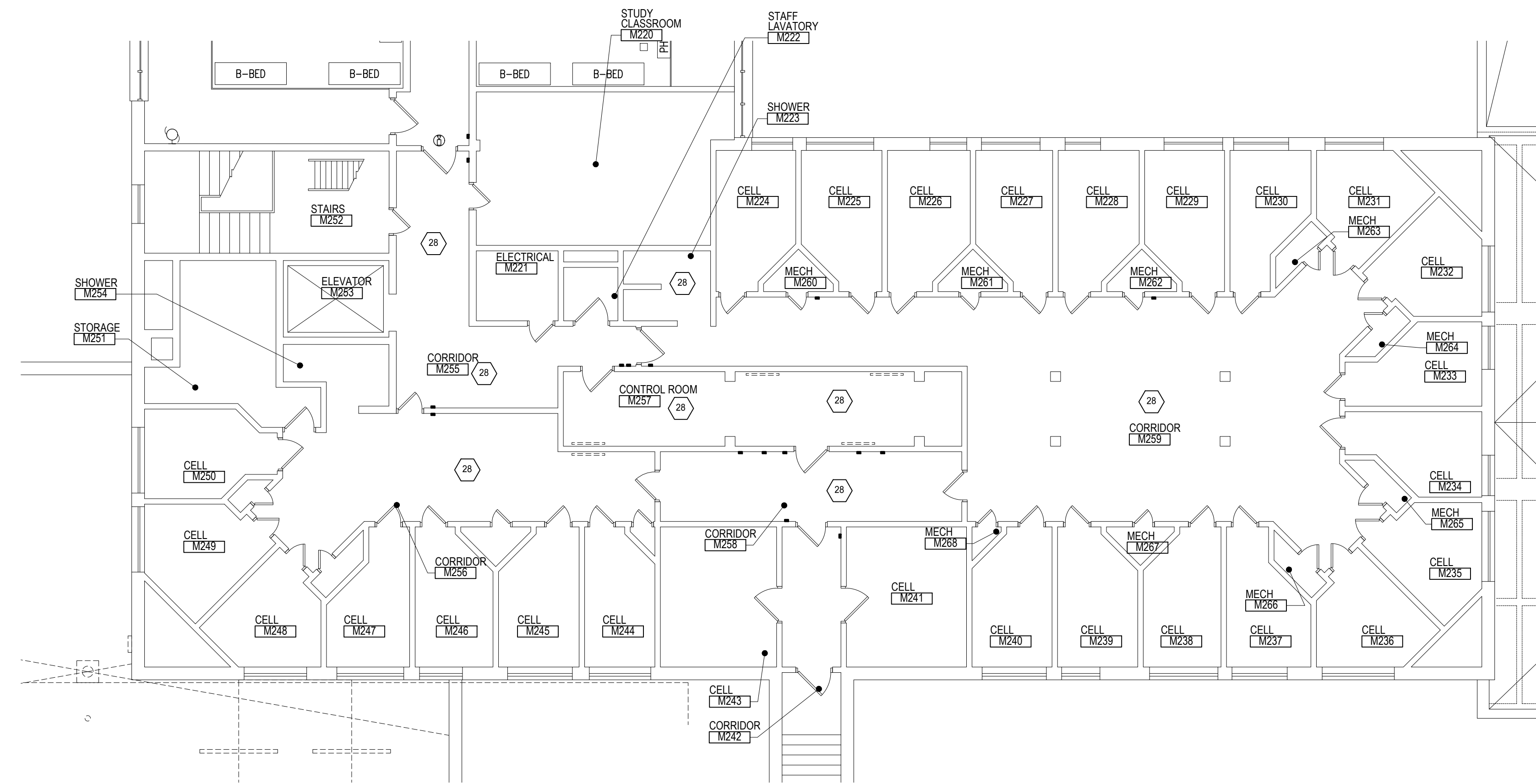
PROPOSAL A	ENLARGED DEMOLITION FLOOR PLANS - FIRST AND UPPER FLOOR AREA 'E'
PRELIMINARY	<input type="checkbox"/>
DESIGN DEVELOPMENT	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>
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DRAWN BY: KAN	CHECKED BY: RAS
REVISIONS	
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DEMOLITION PLAN GENERAL NOTES:

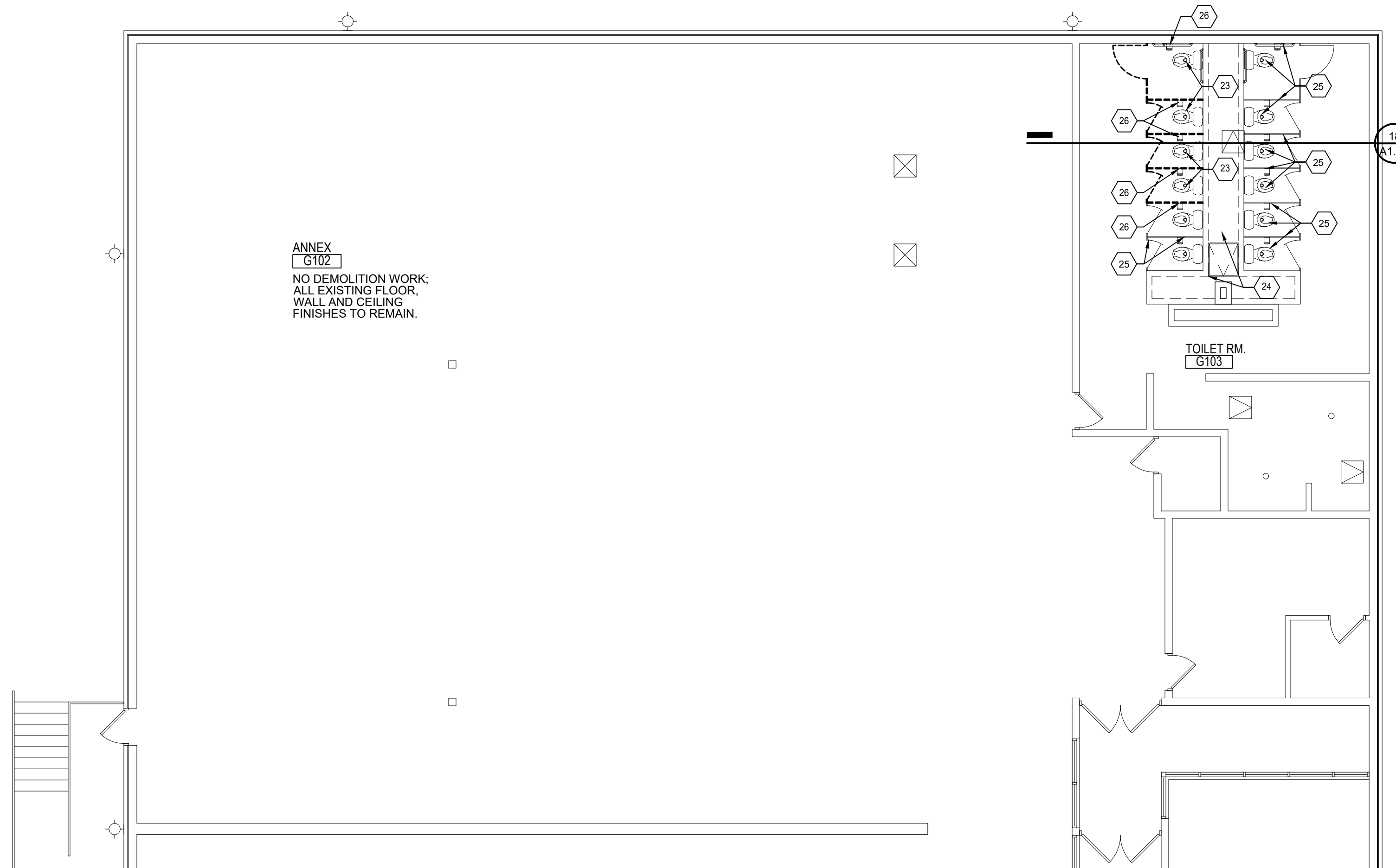
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- C. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
- D. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR REMOVAL AND/OR CAPPING OF UTILITIES WHERE EQUIPMENT IS REMOVED.
- E. COORDINATE PHASING AND SEQUENCING OF DEMOLITION AND PATCHING WORK WITH CONSTRUCTION MANAGER.
- F. DO NOT REMOVE ANY INDICATED OR NOTED BEAMS, COLUMNS, OR MASONRY BEARING WALLS WITHOUT OBSERVING THE EFFECT UPON THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN. ALL QUESTIONABLE CONDITIONS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION PRIOR TO REMOVAL OF SUCH ITEMS.
- G. WHERE EXISTING MASONRY WALLS INDICATED TO BE REMOVED EXTEND BELOW FLOOR SLAB, REMOVE MATERIAL TO 8" MIN. BELOW FINISH FLOOR TO ALLOW FOR TIE-IN OF NEW CONCRETE SLAB (U.N.C.).
- H. PATCH EXPOSED FACES OF EXISTING WALLS AND CEILINGS TO REMAIN ADJACENT TO LOCATIONS WHERE EXISTING WALLS ARE INDICATED TO BE REMOVED. FILL AND PATCH SUBFLOORS TO RECEIVE NEW FLOOR COVERING. PATCH BASE TO MATCH ADJACENT WHERE ENTIRE AREA IS NOT SCHEDULED TO RECEIVE NEW BASES. TOOTH-IN NEW MASONRY AT REMOVED WALLS TO MATCH COURSING OF EXISTING WALLS.
- I. WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARD, TACKBOARD, EQUIPMENT OR EDUCATIONAL SPECIALTY EQUIPMENT IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASES, AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
- J. WHERE REMOVAL OF PORTIONS OF SUBFLOORS IS INDICATED OR IS REQUIRED TO PERFORM INDICATED WORK, PATCH AND REPLACE FLUSH WITH EXISTING UPON COMPLETION OF RELATED WORK.
- K. UNLESS OTHERWISE INDICATED, TOOTH NEW MASONRY MATERIAL INTO EXISTING WALLS WHEREVER MASONRY PATCHING IS EXPOSED. MATCH COURSING AND WALL THICKNESS.
- L. SEE SPECIFICATION FOR REMOVAL OF MATERIALS TO BE SALVAGED FOR REUSE.
- M. CONTRACTOR RESPONSIBLE FOR ALL DEMOLITION OF CONCRETE SLAB FOR NEW SANITARY, WATER, AND ELECTRICAL LINES. COORDINATE WITH TRADES.

DEMOLITION KEYNOTES:

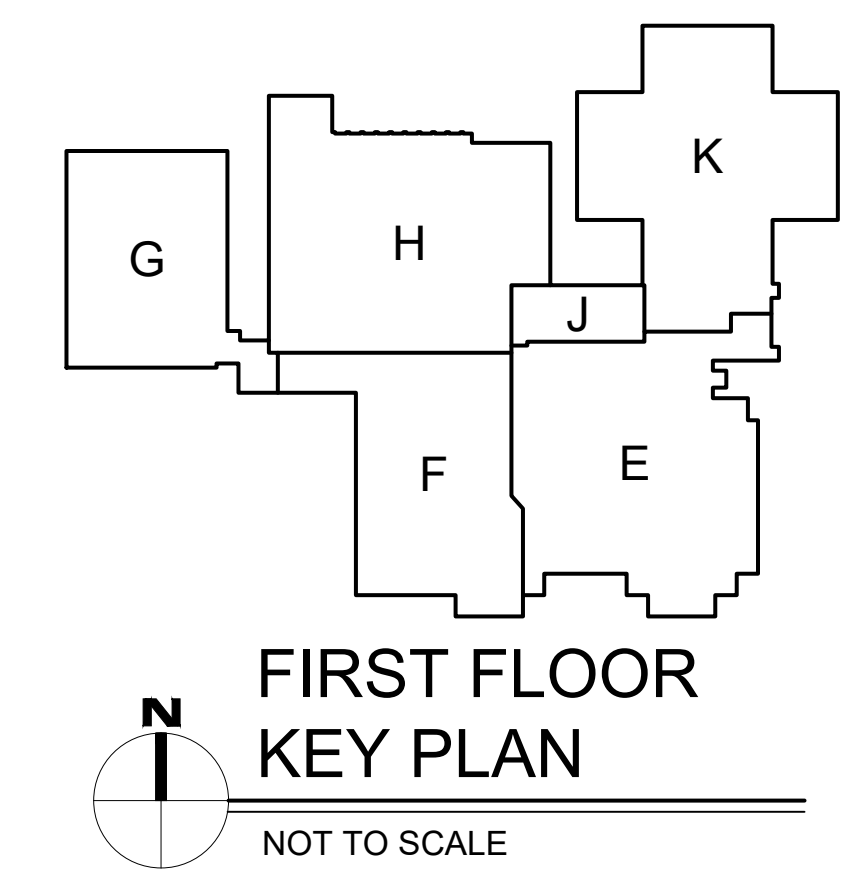
- 1 REMOVE EXISTING CEILING GRID AND TILE TO ACCESS SANITARY LINE SCHEDULED FOR REPLACEMENT. SALVAGE LIGHTING, DIFFUSERS, RETURN GRILLES, ETC. FOR REINSTALLATION AFTER NEW SANITARY WORK IS COMPLETED. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILING.
- 2 REMOVE EXISTING GYPSUM BOARD CEILING, FRAMING, LIGHTING, DIFFUSERS, ETC. COMPLETE FOR NEW SANITARY LINE WORK ABOVE. REINSTALL EXISTING LIGHTING, DIFFUSERS, ETC. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILINGS.
- 3 REMOVE ALL EXISTING DUCTWORK AND SPRINKLER LINES AS REQUIRED FOR SANITARY LINE WORK. REFER TO MECH. DRAWINGS.
- 4 EXISTING LIGHT FIXTURES TO REMAIN. REMOVE, SALVAGE AND REINSTALL LIGHT FIXTURES AS NOTED (R).
- 4A REMOVE AND SALVAGE EXISTING LIGHT FIXTURES. RELOCATE IN UPPER LEVEL MECHANICAL SPACE.
- 5 BASE BID: ALL EXISTING LOCKERS, WOOD BENCH AND MIRRORS TO BE MOVED TEMPORARILY TO ANNEX FOR USE DURING CONSTRUCTION. REFER TO 4/SHEET A1.1A. ALL FILLER PANELS TO BE DEMOLISHED. VERIFY QUANTITY OF ALL EXISTING LOCKERS. ALTERNATE NO. 1 AND 2: ALL EXISTING LOCKERS TO BE MOVED TEMPORARILY TO ANNEX FOR USE DURING CONSTRUCTION. NEW LOCKERS TO BE INSTALLED AS SHOWN ON SHEET A1.2A. DEMOLISH ALL EXISTING LOCKERS, LOCKER BASE, WOOD BENCHES AND MIRRORS WHEN NEW LOCKERS ARE INSTALLED AND OPERATIONAL.
- 6 ALL PLUMBING FIXTURES (SINKS, WATER CLOSETS, URINALS, SHOWERS, ETC.) TO BE REMOVED COMPLETE. CAP ALL EXISTING PLUMBING IN EXISTING PLUMBING WALL SHAFTS. RELOCATE SANITARY LINES FOR NEW FLOORS/SHOWERS DRAINS AND PLUMBING FIXTURES AS REQUIRED. CORE THROUGH THE EXISTING PRECAST CONCRETE SLAB AS REQUIRED FOR FLOOR DRAINS. EXISTING SHOWERS FLOORS TO BE PATCHED TO NEW FLOOR DRAINS AS REQUIRED. COORDINATE WITH MECHANICAL DRAWINGS.
- 7 ALL TOILET AND/OR SHOWER PARTITIONS AND TOILET ACCESSORIES (TOILET DISPENSERS, MIRROR, SOAP DISPENSER, ETC.) TO BE REMOVED COMPLETE AND REPLACED WITH NEW.
- 8 ALL EXISTING FLOORING AND WALL BASE TO BE REMOVED COMPLETE. REFER TO PLAN FOR EXISTING MATERIALS.
- 9 EXISTING WALL TILE (FULL HEIGHT) TO REMAIN. NEW TILE TO BE INSTALLED OVER EXISTING TILE. REFER TO NEW PLAN 1/A1.3A FOR EXTENT.
- 10 EVIDENCE ROOM: REMOVE ALL EXISTING COUNTERTOPS/WORSTATIONS, UPPER CABINETS AND SINK COMPLETE. CAP ALL EXISTING WATER AND SANITARY LINES.
- 11 REMOVE EXISTING WALL (FULL HEIGHT) COMPLETE.
- 12 REMOVE PORTION OF EXISTING WALL (0'-0" W x 6'-0" H) FOR NEW PASS THRU EVIDENCE LOCKERS. VERIFY SIZE OF OPENING WITH CONTRACTOR/MANFCTR.
- 13 EXISTING PIPING TO BE RELOCATED. REFER TO MECH. DWGS. PATCH EXISTING CONCRETE FLOOR AS REQUIRED.
- 14 EXISTING OWNER EQUIPMENT TO REMAIN.
- 15 EXISTING FILE CABINETS TO BE SALVAGED AND RETURNED TO THE OWNER.
- 16 EXISTING TACKBOARD/MARKERBOARD TO BE REMOVED COMPLETE AND RETURNED TO OWNER.
- 17 EXISTING SPEAKER TO REMAIN. VERIFY LOCATION IN THE FIELD.
- 18 EXISTING SHELVES TO BE REMOVED AND RELOCATED IN BASEMENT STORAGE AREA.
- 19 REMOVE EXISTING FIRE PROOFING ON EXISTING ROOF DECK. STRUCTURAL BEAMS, COLUMNS, ETC. COMPLETE. PREP SURFACE FOR NEW INTUMESCENT PAINT.
- 20 EXISTING EXHAUST FAN TO BE REMOVED COMPLETE. REFER TO MECH. DWGS. EXISTING CURB TO REMAIN. REFER TO DETAIL 210.2A.
- 21 EXISTING FLUME HOOD TO BE REMOVED COMPLETE. REFER TO MECH/ELECT. DWGS.
- 22 REMOVE MASONRY WALL 3 COURSES HIGH WITH HOLLOW METAL FRAME AND GLAZING ABOVE. REINSTALL WALL AFTER CONSTRUCTION IS COMPLETE. EXISTING FLOOR AND WALL FINISHES TO REMAIN. TOUCH UP PAINT AS REQ'D.
- 23 REMOVE EXISTING METAL WALL HUNG TOILETS COMPLETE. REFER TO PLUMBING DRAWINGS.
- 24 EXISTING SHAFT WALL AND CONCRETE CAP TO REMAIN.
- 25 EXISTING WATER CLOSETS, TOILET PARTITIONS AND ACCESSORIES TO REMAIN.
- 26 EXISTING TOILET PARTITIONS AND ACCESSORIES TO BE REMOVED. SALVAGE EXISTING TOILET ACCESSORIES AND REINSTALL AFTER INSTALLATION OF NEW TOILET PARTITIONS.
- 27 REMOVE EXIST. GYP. BD./METAL STUDS AS REQUIRED FOR NEW DOOR OPENING. REFRAME AS WALL AS REQUIRED.
- 28 EXISTING PLASTER CEILING TO REMAIN. REMOVE EXISTING LIGHT FIXTURES COMPLETE. REFER TO REFLECTED CEILING PLAN AND TO ELECT. DWGS.
- 29 REMOVE ALL EXISTING LIGHTING. EXISTING EXPOSED CEILING TO REMAIN.



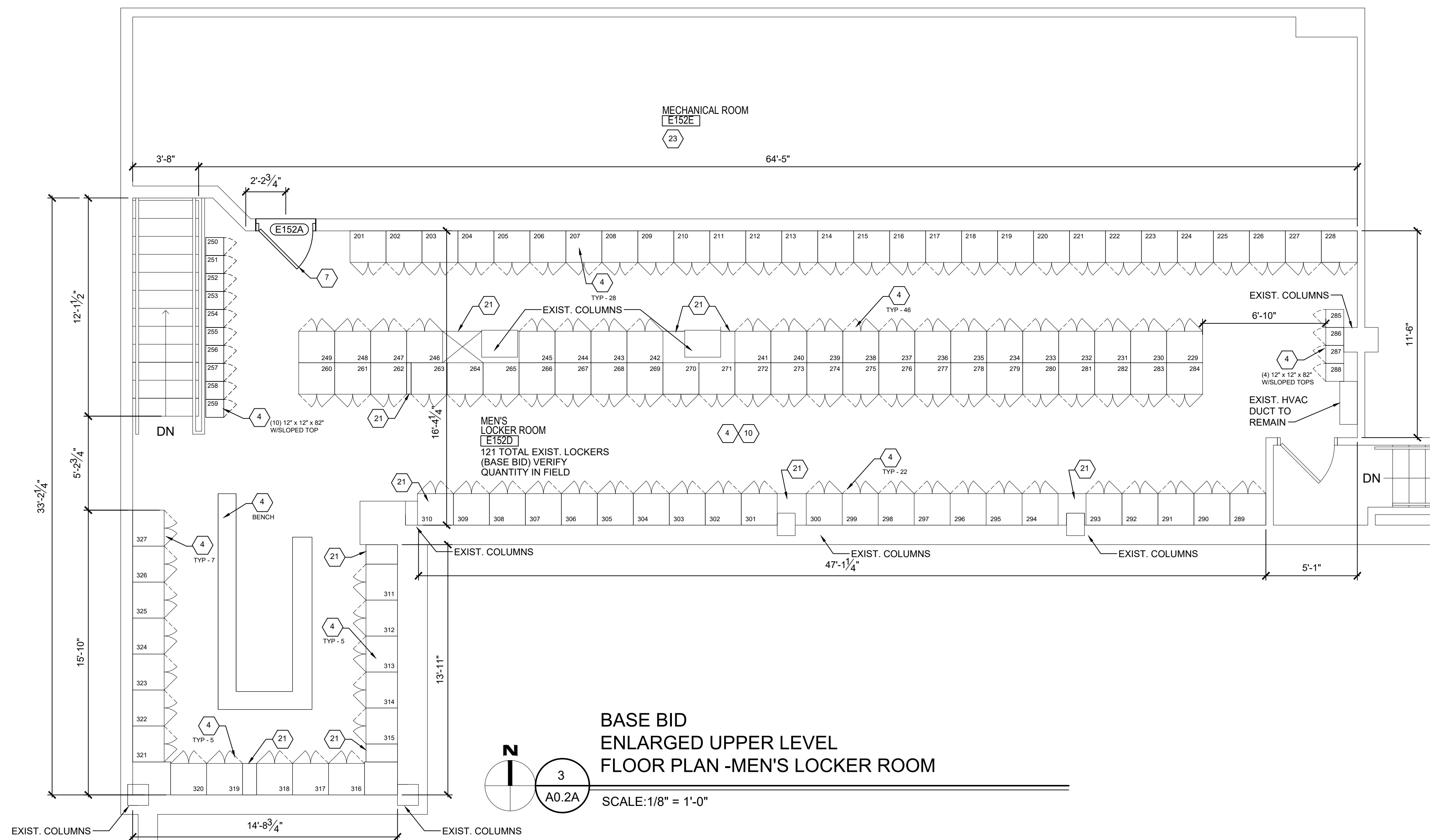
**PARTIAL SECOND FLOOR
DEMOLITION PLAN - AREA 'H'**
SCALE: 1/8" = 1'-0"



**ENLARGED FIRST
FLOOR PLAN - AREA 'G'**
SCALE: 1/8" = 1'-0"

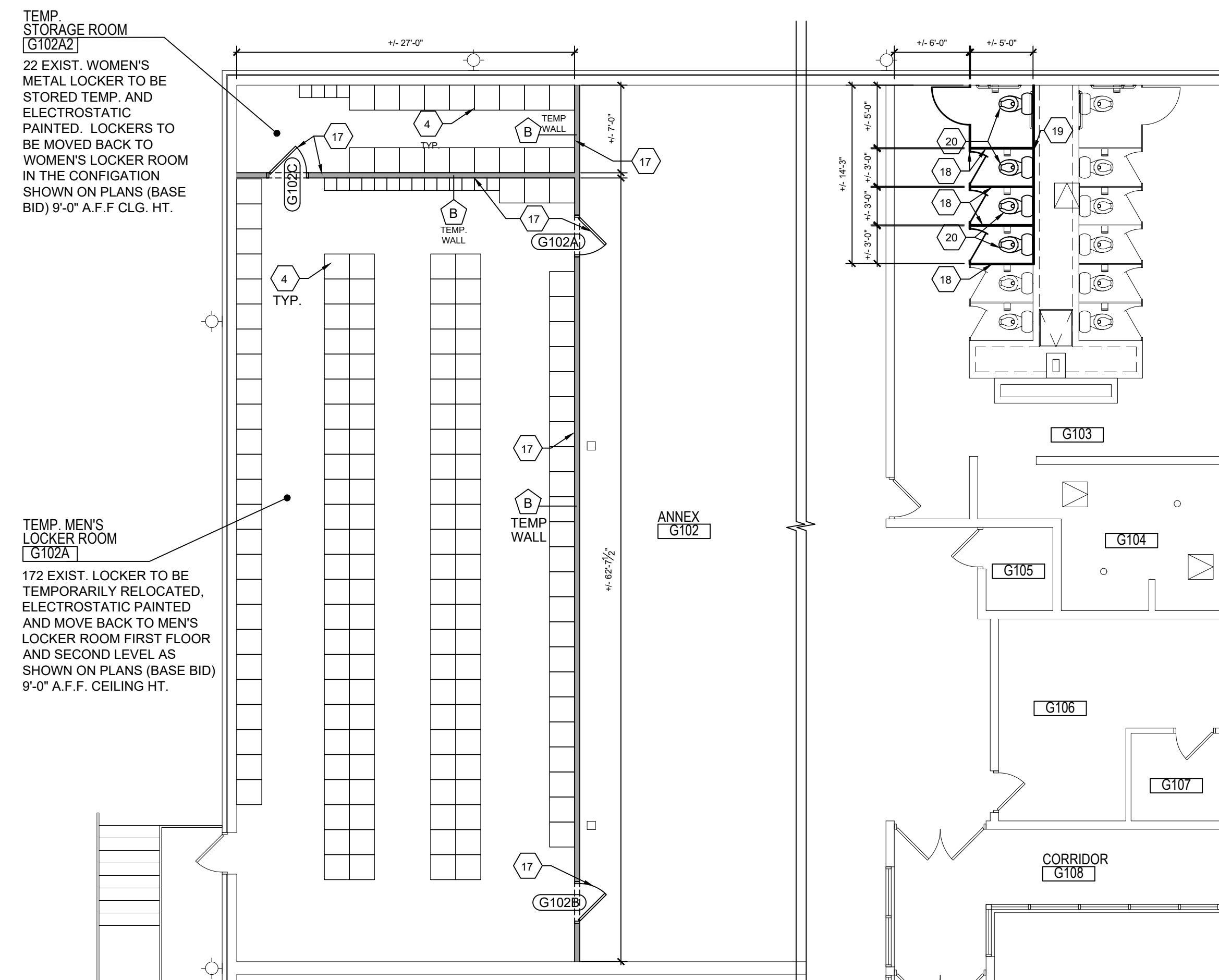


**FIRST FLOOR
KEY PLAN**
NOT TO SCALE



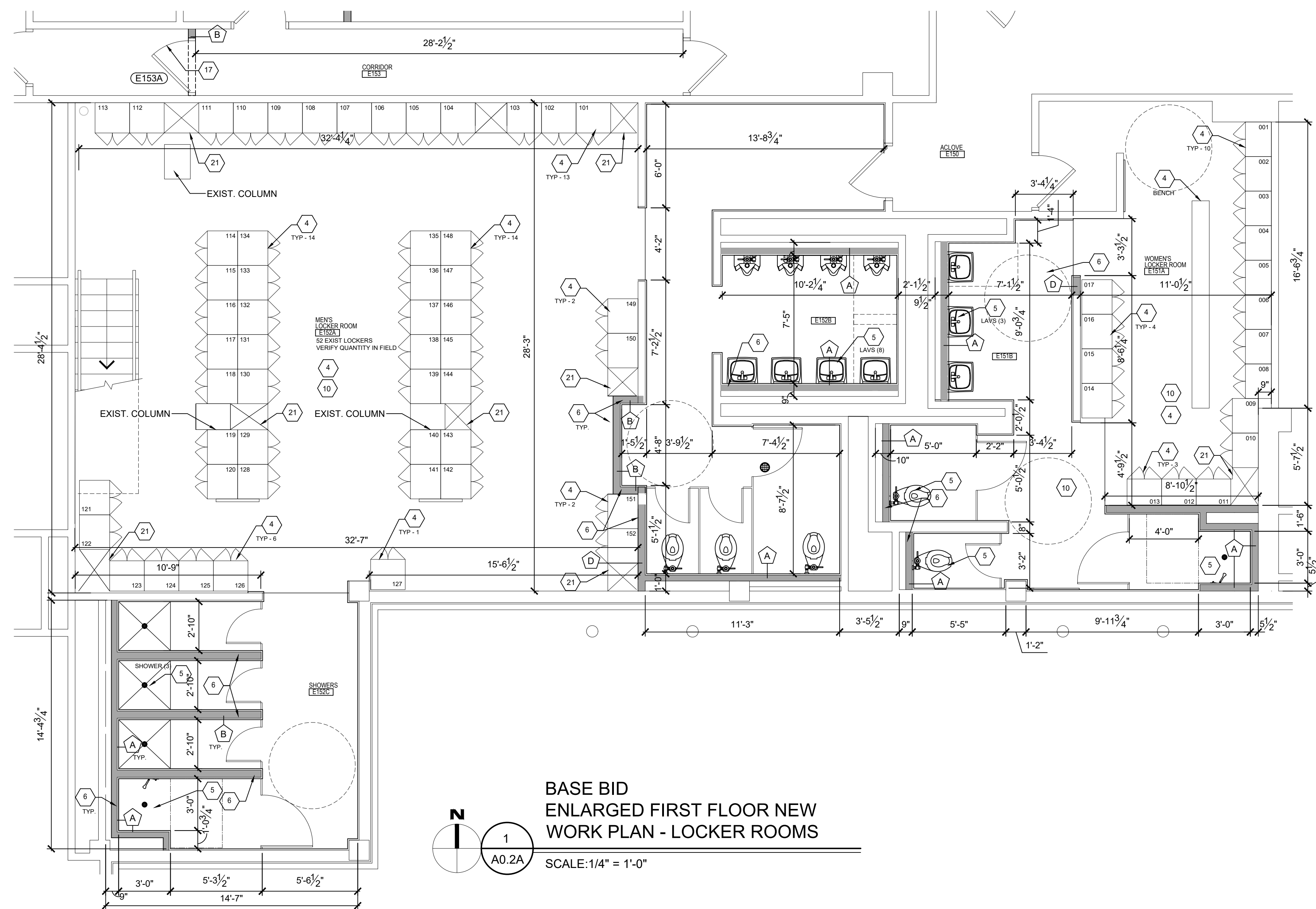
BASE BID
ENLARGED UPPER LEVEL
FLOOR PLAN - MENS LOCKER ROOM

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



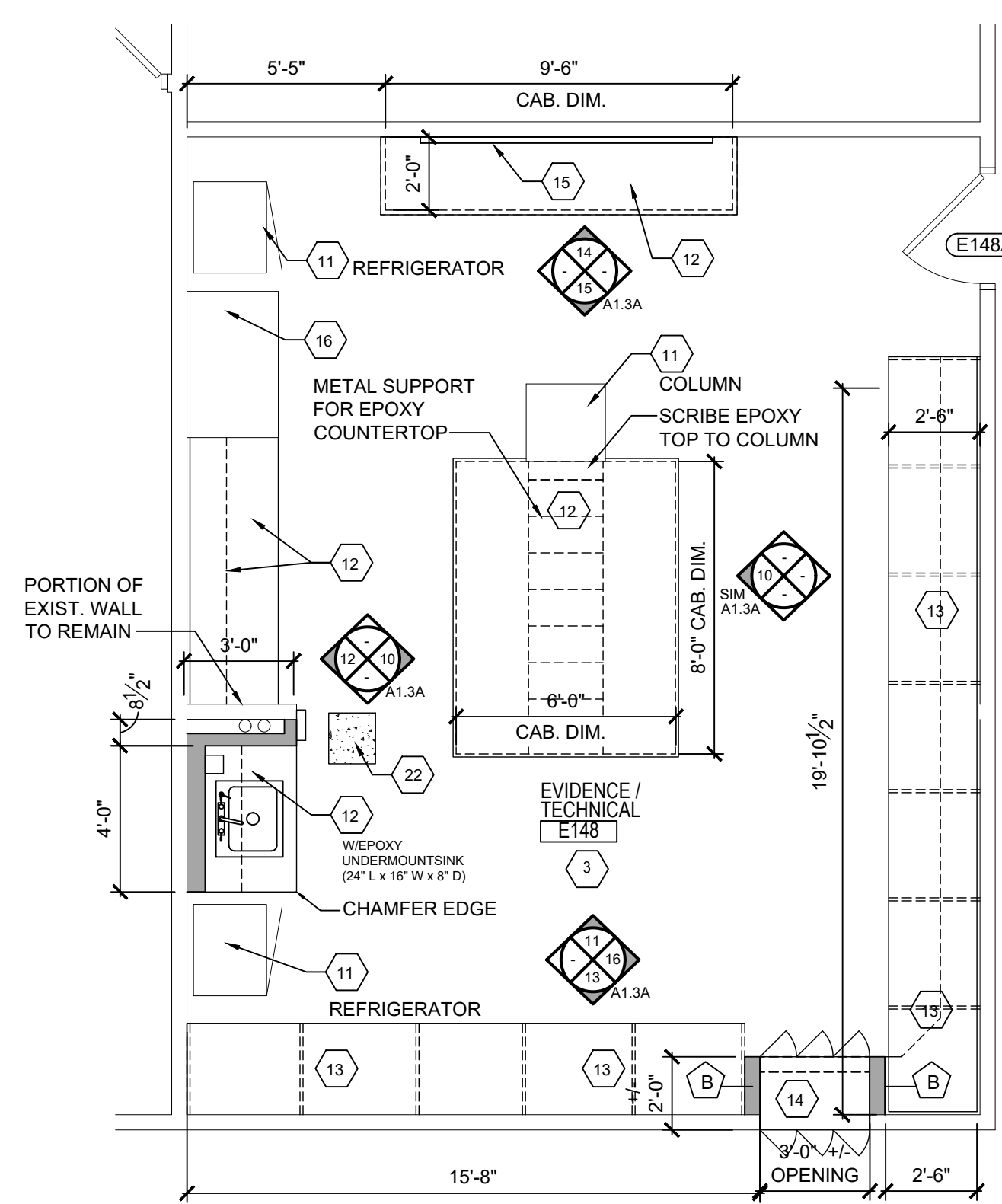
BASE BID - ENLARGED FIRST FLOOR PLAN
TOILETS 107/ANNEX AND TEMP. LOCKER ROOM

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



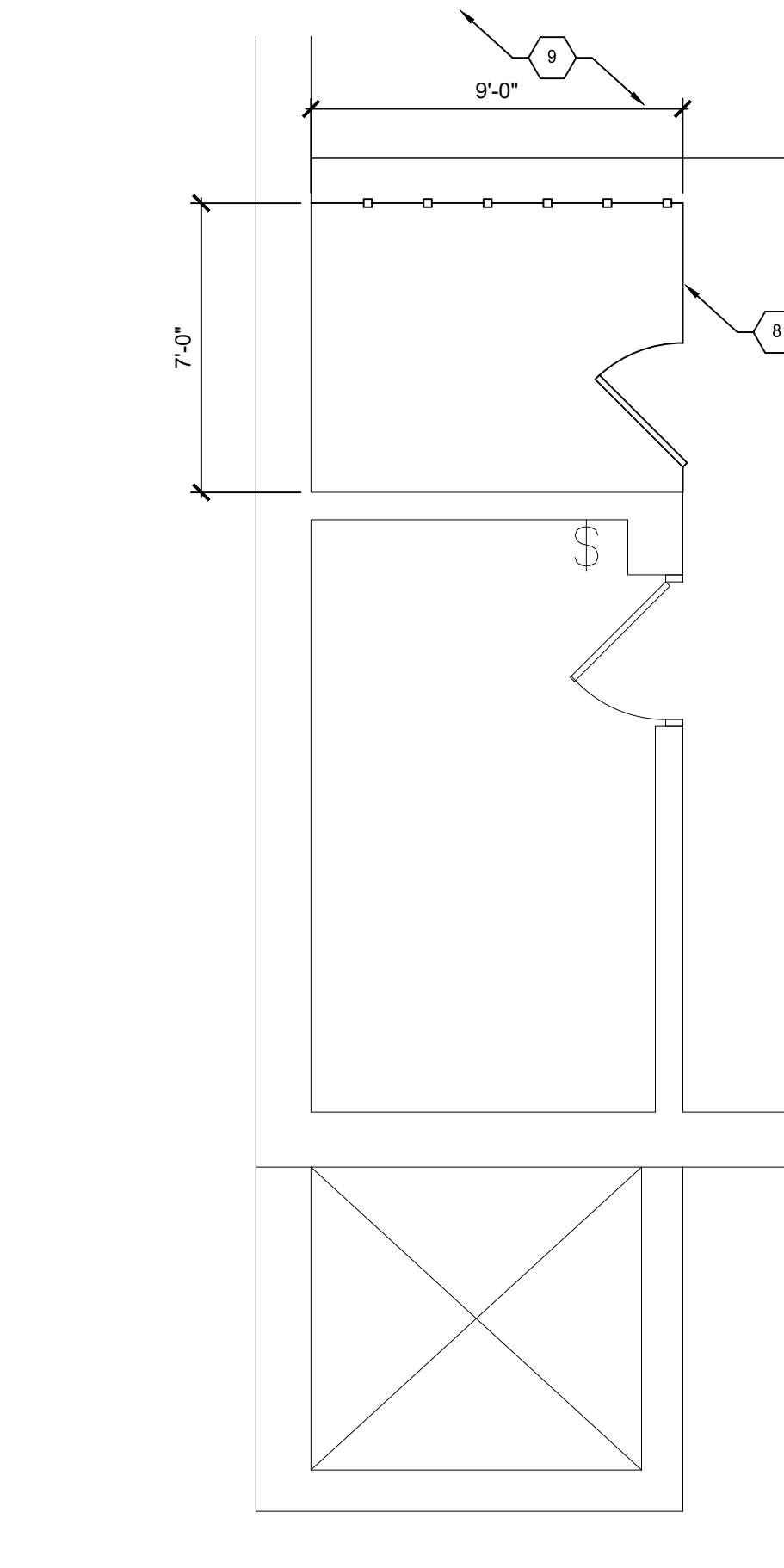
BASE BID
ENLARGED FIRST FLOOR NEW
WORK PLAN - LOCKER ROOMS

SCALE: 1/4" = 1'-0"



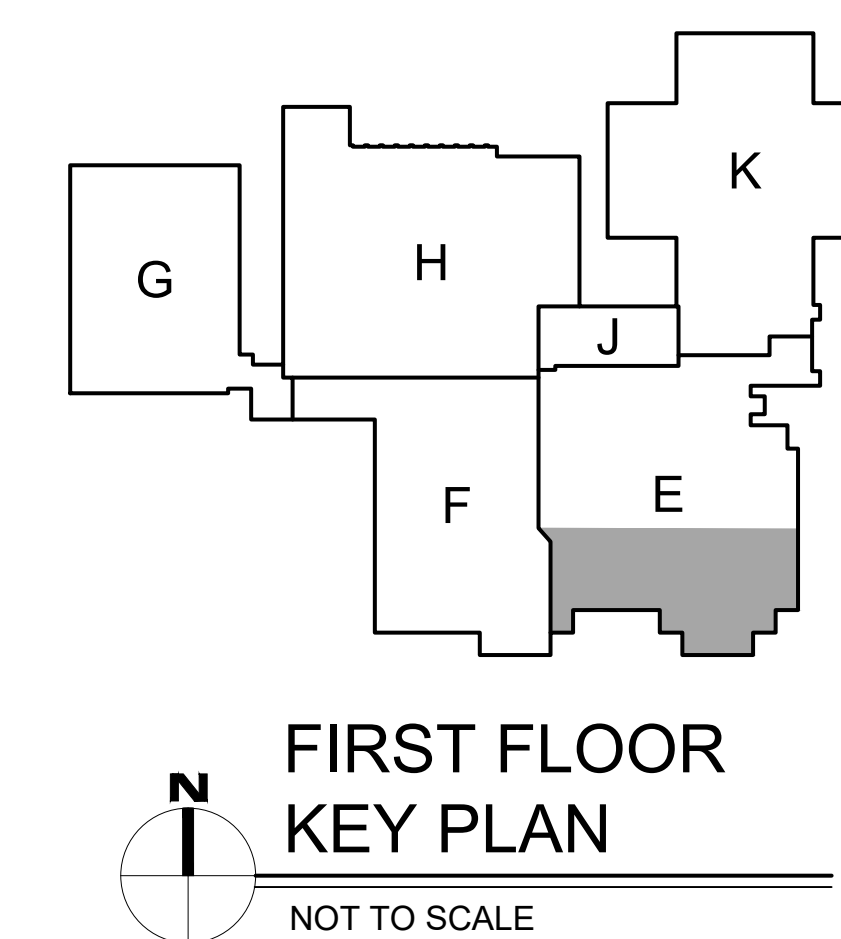
BASE BID
ENLARGED UPPER LEVEL
FLOOR PLAN - MENS LOCKER ROOM

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



BASE BID
ENLARGED BASEMENT
NEW WORK FLOOR PLAN

SCALE: 1/4" = 1'-0"



FIRST FLOOR
KEY PLAN

NOT TO SCALE

FLOOR PLAN KEYNOTES:

NOT ALL NOTES ARE USED ON THIS SHEET.

- 1 NEW CEILING TILE AND GRID. REINSTALL ALL EXISTING LIGHTING, DIFFUSERS, CAMERAS, ETC. AFTER COMPLETION OF NEW SANITARY LINE WORK ABOVE. REFER TO MECH. DWGS. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILING.
- 2 NEW GYPSUM BOARD CEILING AND FRAMING. REINSTALL ALL EXISTING LIGHTING, DIFFUSERS, ETC. AFTER COMPLETION OF NEW SANITARY LINE WORK ABOVE. REINSTALL ALL MECHANICAL DUCTWORK REMOVED FOR SANITARY LINE WORK. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILINGS.
- 3 EVIDENCE ROOM
PROVIDE NEW LVT. WORKSTATIONS, NEW LVT FLOOR AND RESILIENT BASE AS SHOWN ON PLAN. REFER TO ENLARGED FLOOR PLAN.
- 4 BASE BID. ALL EXISTING LOCKERS (24" W. x 21" D. x 82" H. W/SLOPED TOPS. U.I.N.O.) AND WOOD BENCH TO BE MOVED TEMPORARILY TO ANNEX FOR USE DURING CONSTRUCTION AS SHOWN ON FLOOR PLAN 4/SHEET A1.1A. VERIFY QUANTITY OF ALL EXISTING LOCKERS. ALL EXISTING LOCKERS TO BE ELECTROSTATIC PAINTED UNLESS OTHERWISE NOTED. REINSTALL PAINTED LOCKERS, BENCHES AND MIRRORS FROM ANNEX TO LOCKER ROOMS AS SHOWN ON NEW WORK PLAN 1 AND 3/A1.1A. ALL EXISTING WOOD BENCHES TO BE SANDED AND REFINISHED/STAINED. BENCH SUPPORTS TO BE REPAINTED AND REINSTALLED. ALTERNATE NO. 1 AND 2: NEW METAL LOCKERS TO BE INSTALLED AS SHOWN ON SHEET A1.2A.
- 4A ALTERNATE NO. 1 (UNLESS NOTED OTHERWISE)- PROVIDE NEW METAL LOCKERS W/ SLOPE TOPS. ALL EXPOSED ENDS TO BE FINISHED. REFER TO FLOOR PLANS ON SHEET A1.2A FOR LOCATION OF VARIOUS SIZE AS DESIGNATED BELOW
F1: 24" W x 24" D x 72" H. W/BENCH
F1A: 24" W x 18" D x 72" H. W/BENCH
F2: 24" W x 24" D x 66" H. W/BENCH
F3: 18" W x 24" D x 72" H. (ALT. NO. 2)
F4: 24" W x 24" D x 72" H.
F5: 18" W x 24" D x 72" H.
F6: 24" W x 18" D x 72" H.
F7: 24" W x 24" D x 72" H.
F8: 24" W x 24" D x 72" H. (ALT. NO. 2)
F9: 24" W x 18" D x 72" H. (ALT. NO. 2)
- 4B NEW METAL SHELVING - BASE BID. REFER TO SPECIFICATIONS. SIZES TO BE AS DESIGNATED BELOW:
U1: 36" W x 18" D x 71 3/4"
U2: 29" W x 16" D x 71 3/4"
U3: 15" W x 16" D x 71 3/4"
U4: 20" W x 18" D x 71 3/4"
U5: 20" W x 24" D x 71 3/4"
- 5 NEW PLUMBING FIXTURES (SHOWERS, TOILETS, URINALS AND SINKS). ABANDON EXISTING PLUMBING LINES. PROVIDE ALL NEW SANITARY AND WATER LINES.
- 6 NEW WALL PARTITION AND/OR INFILL. REFER TO WALL PARTITION LEGEND FOR WALL TYPES.
- 7 NEW WOOD DOOR, HOLLOW METAL FRAME AND HARDWARE.
- 8 SECURE WELDED WIRED PARTITION (8'-0" H.) WITH 4'-0" SWING GATE.
- 9 EXISTING PARKING DECK AND STRIPING TO REMAIN.
- 10 REFER TO ROOM FINISH SCHEDULE FOR NEW FINISHES.
- 11 EXISTING TO REMAIN.
- 12 NEW EPOXY COUNTERTOP/BACKSPLASH, METAL BASE AND WALL CABINETS. BASIS OF DESIGN: AMS METAL LAB. CASWORK. REFER TO INTERIOR ELEVATIONS.
- 13 NEW PLASTIC LAMINATE COUNTERTOP, BACKSPLASH AND SUPPORTS AT OPEN WORKSTATIONS.
- 14 NEW PULL THRU EVIDENCE LOCKERS - 24"D. x 36" W. x 82" H. VERIFY SIZE WITH MANUFACTURER. REFER TO INTERIOR ELEVATIONS. BUILD NEW WALL AROUND THE EVIDENCE LOCKER.
- 15 NEW 8'-0" W x 4'-0" H. WHITE BOARD.
- 16 NEW HOOD. REFER TO MECH/ELECT. DWGS.
- 17 NEW TEMPORARY WALL AND/OR 3'-0" W. x 7'-0" H.M. DOOR/FRAME.
- 18 NEW FULL HEIGHT TOILET PARTITIONS. EXISTING ACCESSORIES TO BE REINSTALLED.
- 19 NEW TOILET PARTITION ON TOP OF EXISTING WALL TO CEILING.
- 20 NEW CERAMIC WALL MOUNTED TOILET FIXTURES. REFER TO MECHANICAL DRAWINGS.
- 21 ALL FILLER PANELS TO BE REPLACED WITH NEW 16 GAUGE METAL LOCKER FILLERS AND/OR FINISHED END.
- 22 PATCH EXISTING CONCRETE FLOOR AS SHOWN IN DETAIL 8/A6.1A.
- 23 EXISTING MECHANICAL ROOM TO RECEIVE NEW LIGHTING. REFER TO REFLECTED CEILING PLAN. EXISTING EQUIPMENT AND FINISHES TO REMAIN AS IS.

WALL PARTITION TYPE

NOTE:

ALL PARTITIONS RUN UP TO EXISTING STRUCT. DECK ABOVE. ALL GYPSUM BOARD IN LOCKER ROOMS TO BE WATER RESISTANT.

SYMBOL	DESCRIPTION
A	4 1/2" NOM. 4 1/4" ACTUAL 5/8" GYP. BOARD ON ONE SIDE OF 3-5/8" METAL FRAMING AT 16" O.C. MIN.
B	5" NOM. 4 7/8" ACTUAL 5/8" GYP. BOARD ON BOTH SIDES OF 3-5/8" METAL FRAMING AT 16" O.C. MIN. RUN UP TO EXISTING STRUCT. DECK ABOVE. TEMPORARY WALLS TO RUN UP TO EXISTING CEILING.
C	7 1/2" NOM. 7 1/8" ACTUAL 5/8" GYP. BD. (WATER RESISTANT ON LOCKER SIDE AND SOUND BOARD ON OFFICE SIDE) ON BOTH SIDES OF 3" METAL FRAMING AT 16" O.C. MIN. ADD SOUND ATTENUATION INSULATION IN FRAMING.
D	3 5/8" NOM. 4" ACTUAL 4" CMU INFILL (VERIFY WIDTH IN FIELD, WIDTH TO MATCH OF EXISTING CMU WALL)



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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

PROPOSAL A

ENLARGED BASEMENT
FIRST AND UPPER FLOOR
NEW WORK PLANS

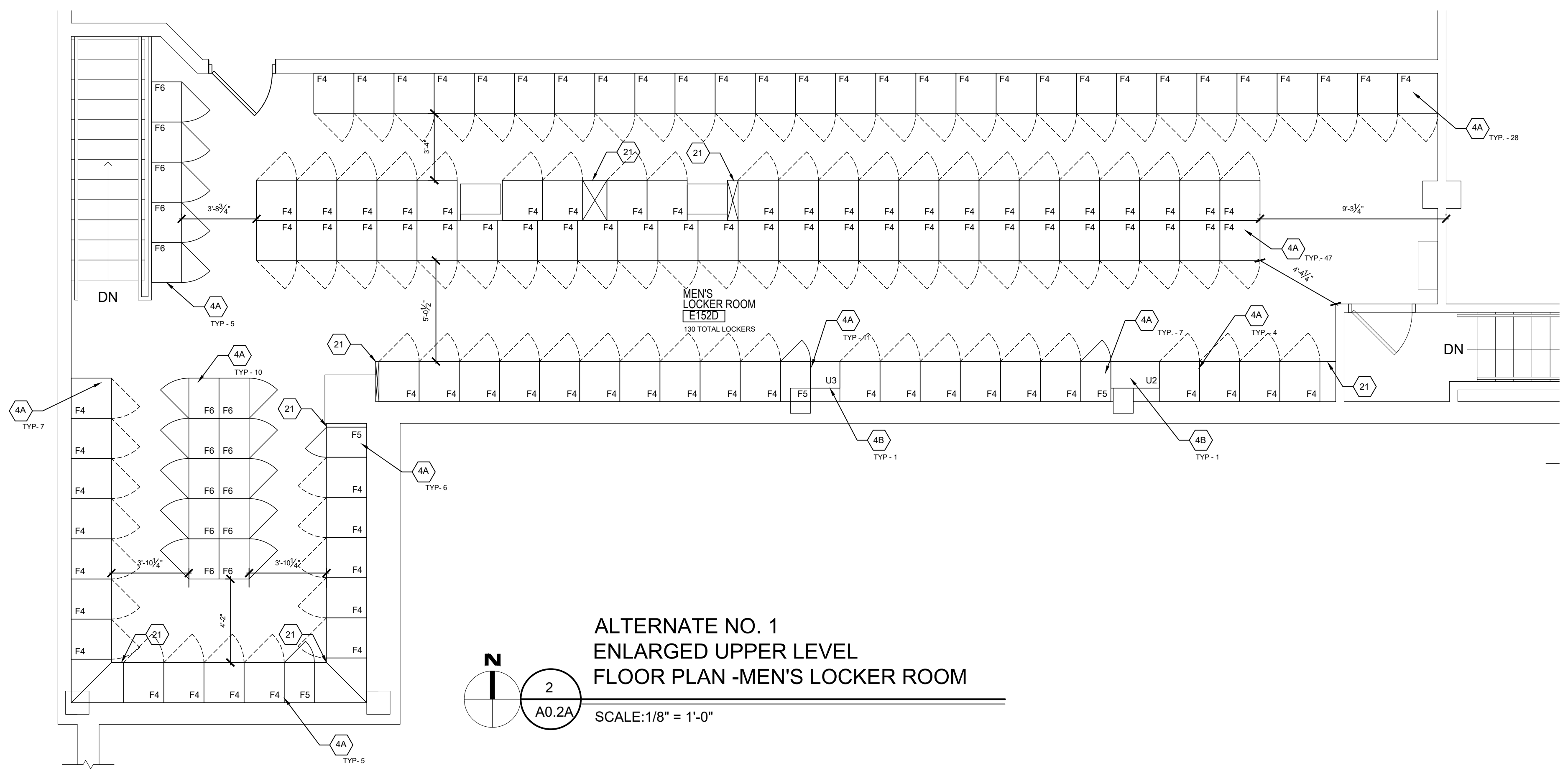
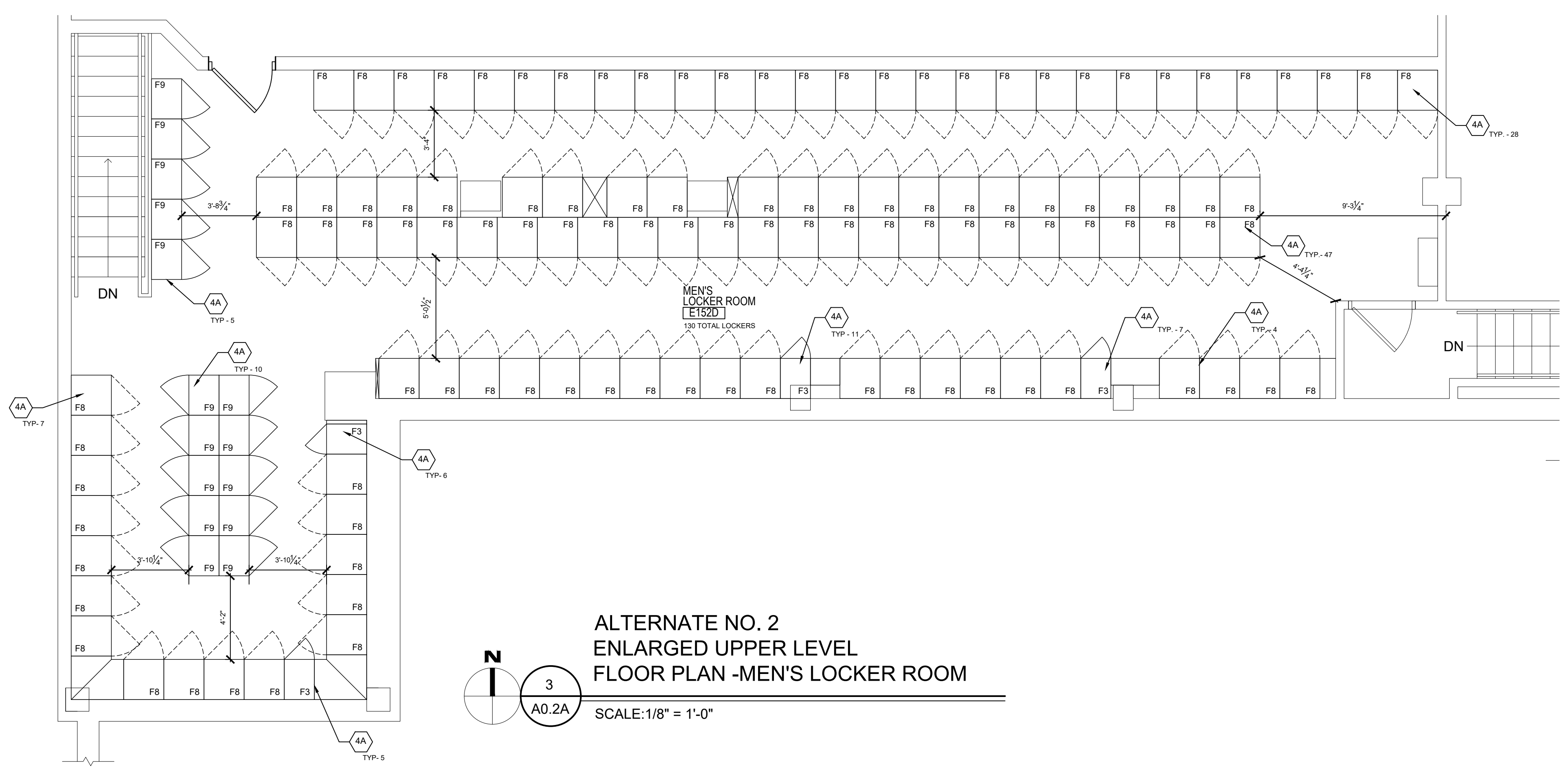
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FINAL RECORD	<input type="checkbox"/>
DRAWN BY	KAN
CHECKED BY	RAS
REVISIONS	
BIDS	08/26/2022

DATE: AUGUST 26, 2022
SHEET NO.

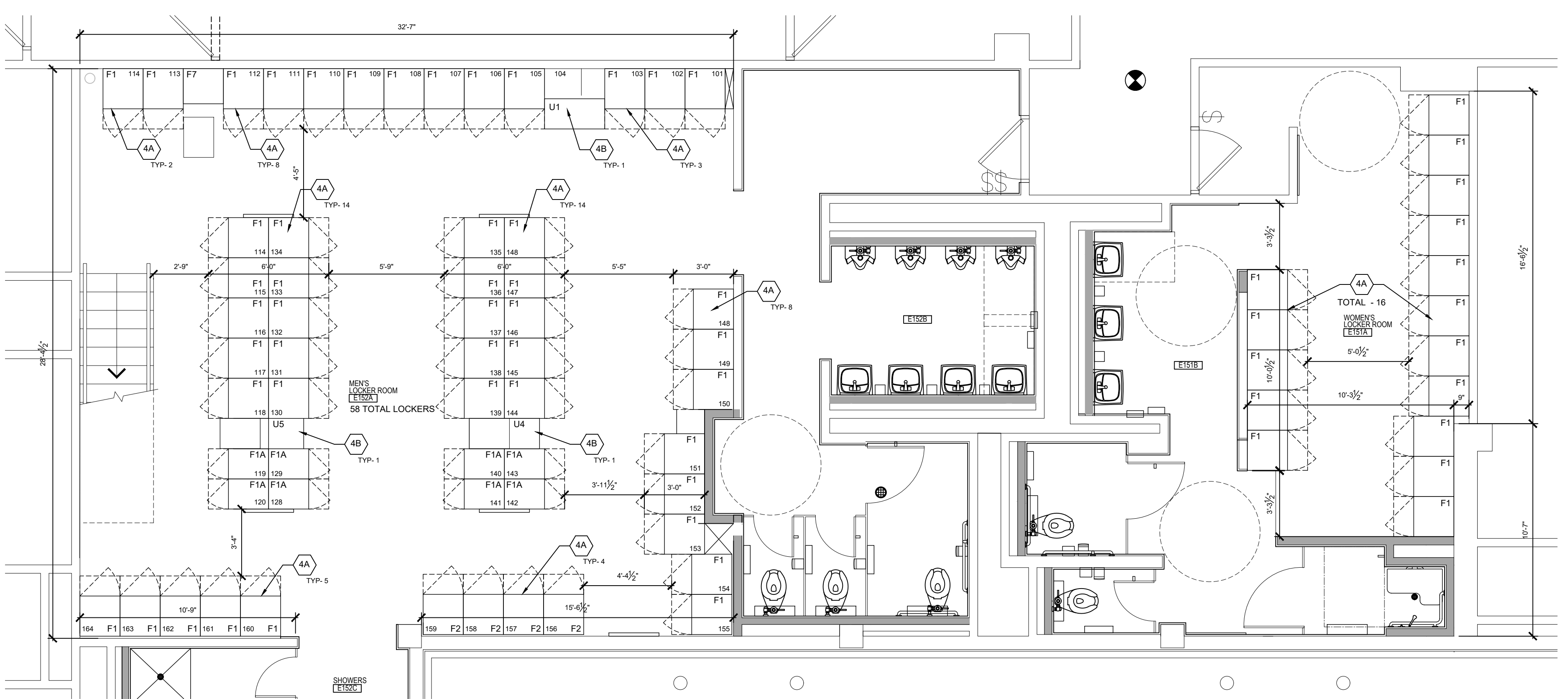
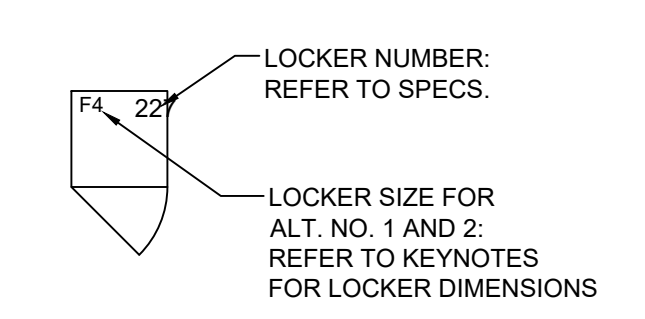
A1.1A

JOB NO. 221958

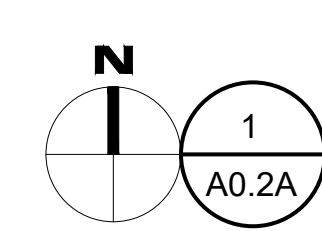
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CHECKED BY	RAS
REVISIONS	
BIDS	08/26/2022
DATE:	AUGUST 26, 2022
SHEET NO.	

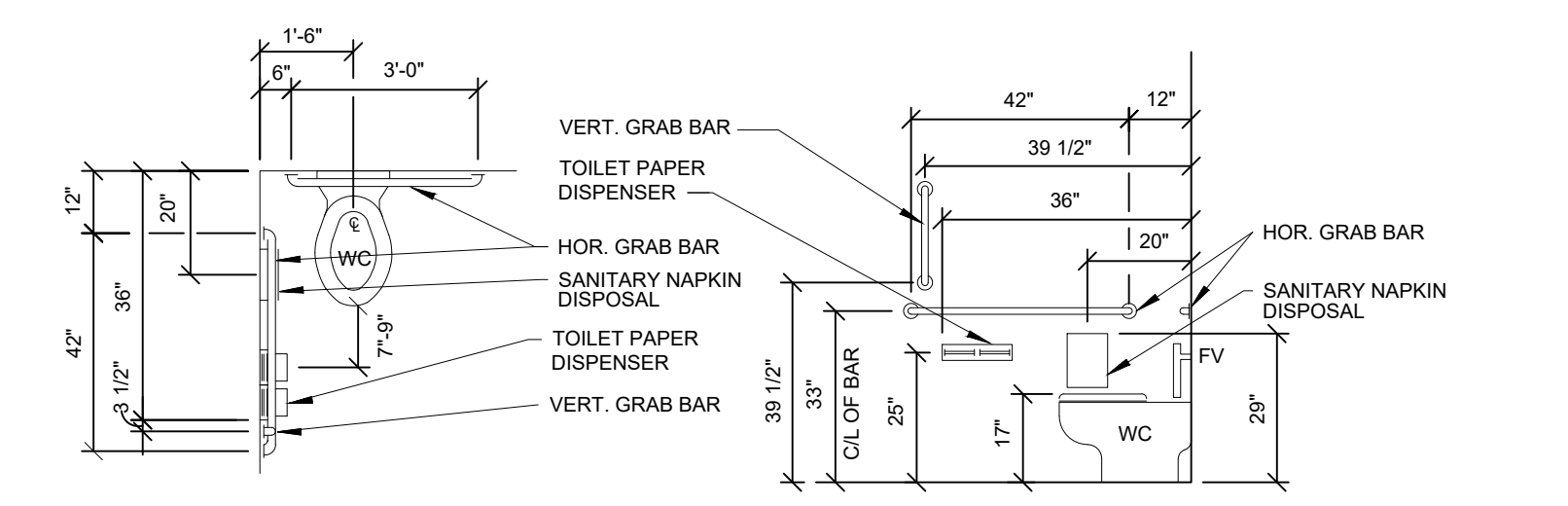
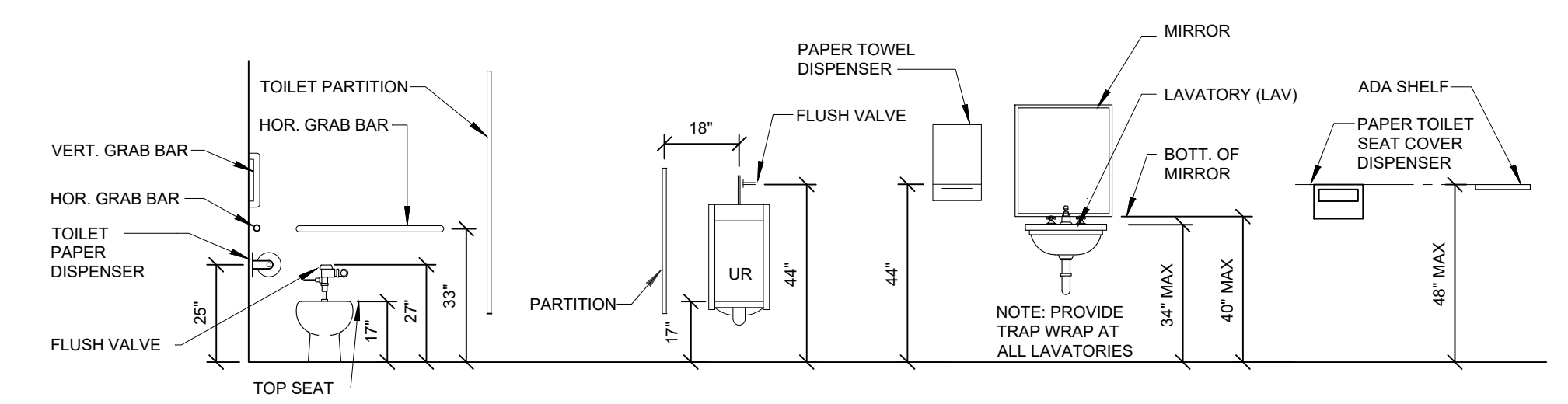


- FLOOR PLAN KEYNOTES:**
NOT ALL NOTES ARE USED ON THIS SHEET.
- NEW CEILING TILE AND GRID. REINSTALL ALL EXISTING LIGHTING, DIFFUSERS, CAMERAS, ETC. AFTER COMPLETION OF NEW SANITARY LINE WORK ABOVE. REFER TO MECH DWGS. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILING.
 - NEW GYPSUM BOARD CEILING AND FRAMING. REINSTALL ALL EXISTING LIGHTING, DIFFUSERS, ETC. AFTER COMPLETION OF NEW SANITARY LINE WORK ABOVE. REINSTALL ALL MECHANICAL DUCTWORK REMOVED FOR SANITARY LINE WORK. REFER TO ENLARGED REFLECTED CEILING PLAN FOR NEW CEILING.
 - EVIDENCE ROOM
PROVIDE NEW LVT, WORKSTATIONS, NEW LVT FLOOR AND RESILIENT BASE AS SHOWN ON PLAN. REFER TO ENLARGED FLOOR PLAN.
 - BASE BID: ALL EXISTING LOCKERS (24" W. x 21" D. x 82" H. W/SLOPE TOPS, U.A.O.) AND WOOD BENCH TO BE MOVED TEMPORARILY TO ANNEX FOR USE DURING CONSTRUCTION AS SHOWN ON FLOOR PLAN 4/SHEET A1.1A. VERIFY QUANTITY OF ALL EXISTING LOCKERS. ALL EXISTING LOCKERS TO BE ELECTROSTATIC PAINTED UNLESS OTHERWISE NOTED. REINSTALL PAINTED LOCKERS, BENCHES AND MIRRORS FROM ANNEX TO LOCKER ROOMS AS SHOWN ON NEW WORK PLAN 1 AND 3/A1.1A. ALL EXISTING WOOD BENCHES TO BE SANDED AND REFINISHED/STAINED. BENCH SUPPORTS TO BE REPAINTED AND REINSTALLED. ALTERNATE NO. 1 AND 2: NEW METAL LOCKERS TO BE INSTALLED AS SHOWN ON SHEET A1.2A.
 - ALTERNATE NO. 1 (UNLESS NOTED OTHERWISE)- PROVIDE NEW METAL LOCKERS W/ SLOPE TOPS. ALL EXPOSED ENDS TO BE FINISHED. REFER TO FLOOR PLANS ON SHEET A1.2A FOR LOCATION OF VARIOUS SIZE AS DESIGNATED BELOW
F1: 24" W x 24" D x 72" H, W/BENCH
F1A: 24" W x 18" D x 72" H, W/BENCH
F2: 24" W x 24" D x 66" H, W/BENCH
F3: 18" W x 24" D x 72" H, (ALT. NO. 2)
F4: 24" W x 24" D x 72" H.
F5: 18" W x 24" D x 72" H.
F6: 24" W x 18" D x 72" H.
F7: 24" W x 24" D x 72" H.
F8: 24" W x 24" D x 72" H, (ALT. NO. 2)
F9: 24" W x 18" D x 72" H, (ALT. NO. 2)
 - NEW METAL SHELVING - BASE BID. REFER TO SPECIFICATIONS. SIZES TO BE AS DESIGNATED BELOW.
U1: 36" W x 18" D x 71 3/4"
U2: 29" W x 16" D x 71 3/4"
U3: 15" W x 16" D x 71 3/4"
U4: 20" W x 18" D x 71 3/4"
U5: 20" W x 24" D x 71 3/4"
 - NEW PLUMBING FIXTURES (SHOWERS, TOILETS, URINALS AND SINKS). ABANDON EXISTING PLUMBING LINES. PROVIDE ALL NEW SANITARY AND WATER LINES.
 - NEW WALL PARTITION AND/OR INFILL. REFER TO WALL PARTITION LEGEND FOR WALL TYPES.
 - NEW WOOD DOOR, HOLLOW METAL FRAME AND HARDWARE.
 - SECURE WELDED WIRED PARTITION (8'-0" H.) WITH 4'-0" SWING GATE.
 - EXISTING PARKING DECK AND STRIPING TO REMAIN.
 - REFER TO ROOM FINISH SCHEDULE FOR NEW FINISHES.
 - EXISTING TO REMAIN.
 - NEW EPOXY COUNTERTOP/BACKSPLASH, METAL BASE AND WALL CABINETS. BASIS OF DESIGN. ANS METAL LAB. CASEWORK. REFER TO INTERIOR ELEVATIONS.
 - NEW PLASTIC LAMINATE COUNTERTOP, BACKSPLASH AND SUPPORTS AT OPEN WORKSTATIONS.
 - NEW PULL THRU EVIDENCE LOCKERS - 24"D. x 36" W. x 82" H. VERIFY SIZE WITH MANUFACTURER. REFER TO INTERIOR ELEVATIONS. BUILD NEW WALL AROUND THE EVIDENCE LOCKER.
 - NEW 8'-0" W x 4'-0" H. WHITE BOARD.
 - NEW HOOD. REFER TO MECH/ELECT. DWGS.
 - NEW TEMPORARY WALL AND/OR 3'-0" W. x 7'-0" H. M. DOOR/FRAME.
 - NEW FULL HEIGHT TOILET PARTITIONS. EXISTING ACCESSORIES TO BE REINSTALLED.
 - NEW TOILET PARTITION ON TOP OF EXISTING WALL TO CEILING.
 - NEW CERAMIC WALL MOUNTED TOILET FIXTURES. REFER TO MECHANICAL DRAWINGS.
 - ALL FILLER PANELS TO BE REPLACED WITH NEW 16 GAUGE METAL LOCKER FILLERS AND/OR FINISHED END.
 - PATCH EXISTING CONCRETE FLOOR AS SHOWN IN DETAIL 8/A6.1A.
 - EXISTING MECHANICAL ROOM TO RECEIVE NEW LIGHTING. REFER TO REFLECTED CEILING PLAN. EXISTING EQUIPMENT AND FINISHES TO REMAIN AS IS.

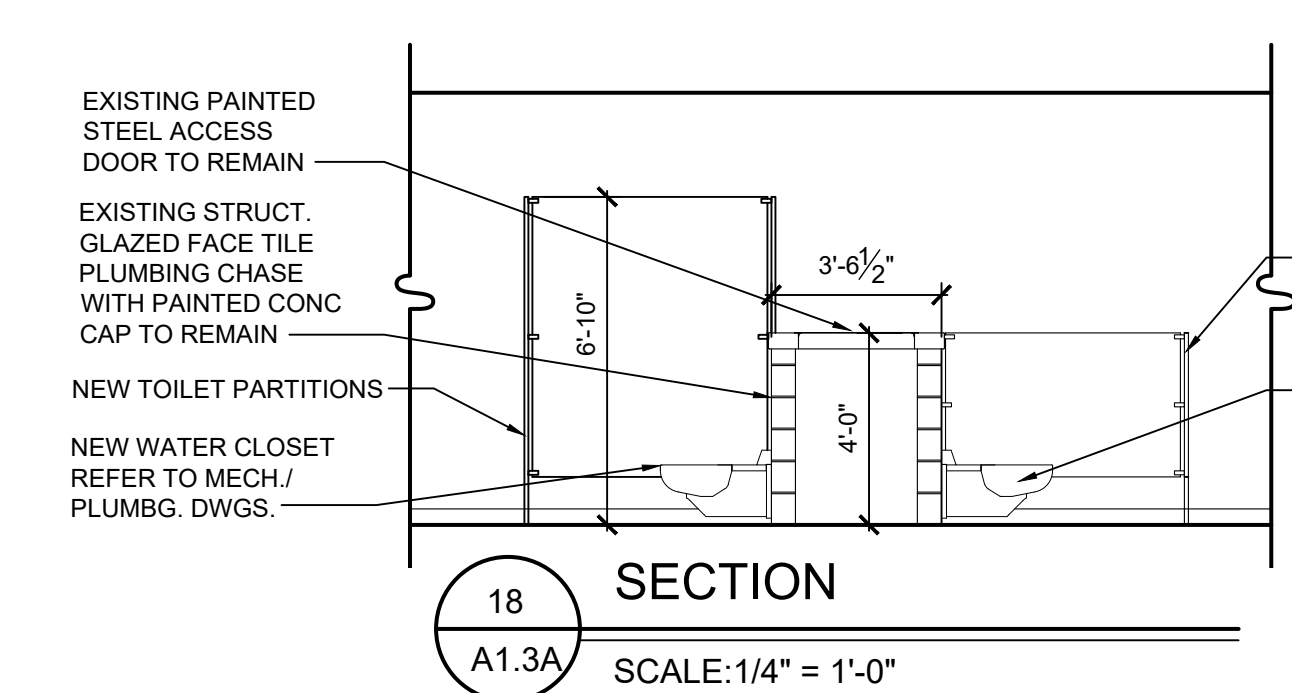


NOTES:
1. ALTERNATE NO. 1 - REMOVE AND REPLACE EXISTING METAL LOCKERS WITH NEW AS SHOWN ON THE PLANS.
2. ALTERNATE NO. 2 (UPPER LEVEL ONLY - DEDUCT) - REMOVE AND REPLACE EXISTING METAL LOCKERS WITH NEW AS SHOWN ON THE PLAN.

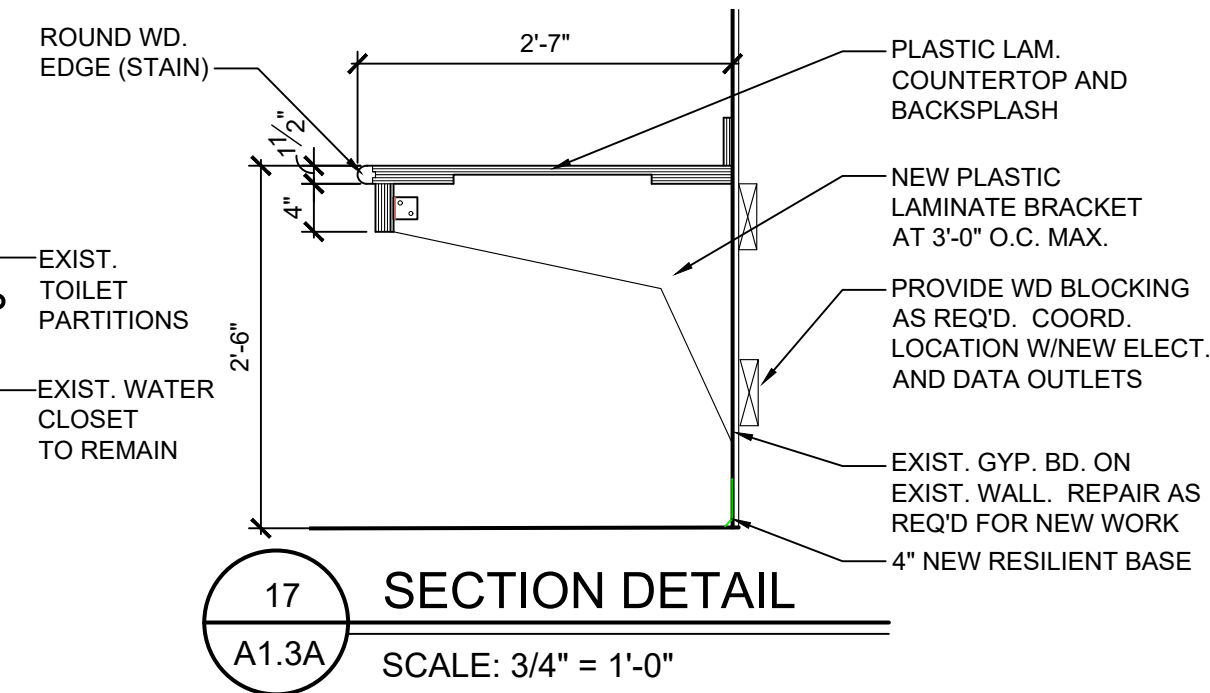




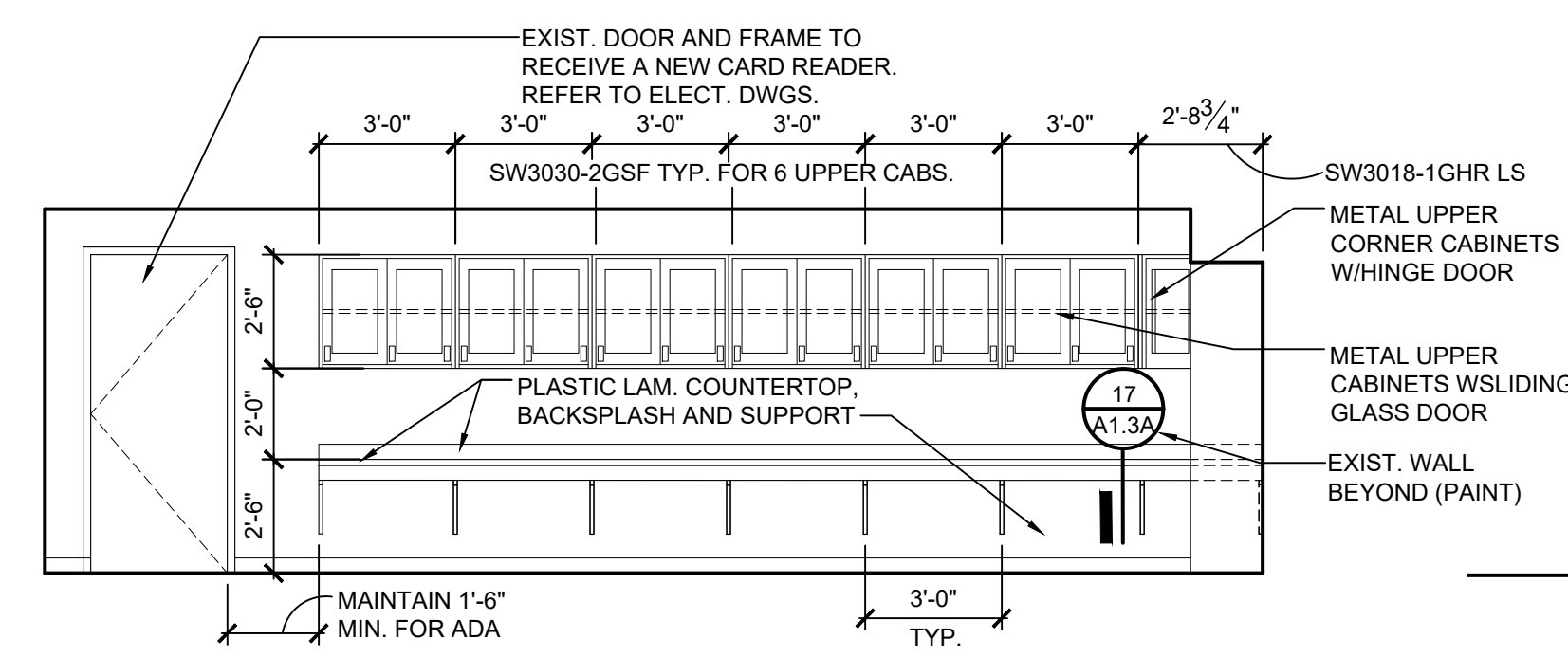
FIXTURE MOUNTING LOCATION AND HEIGHTS
NOT TO SCALE



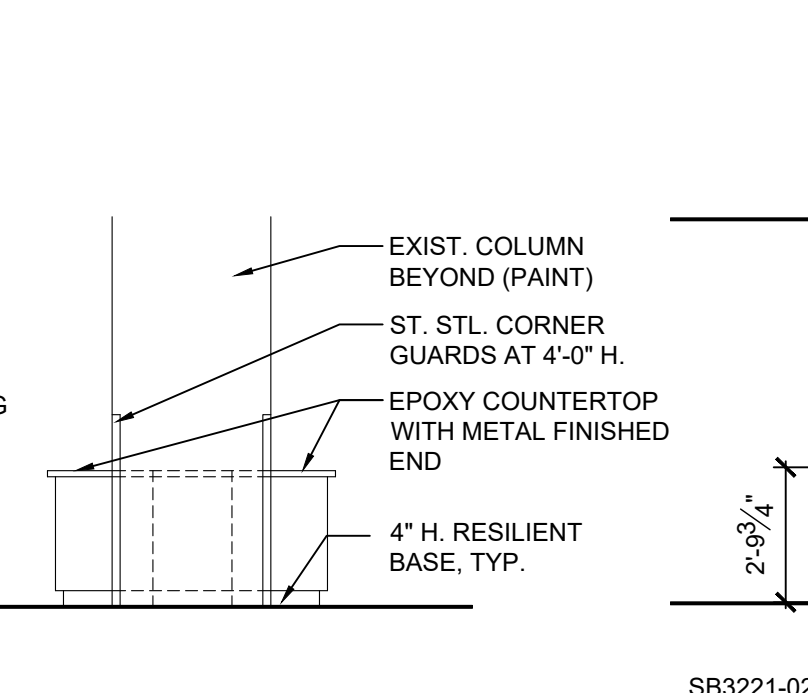
SECTION 18
A1.3A SCALE: 1/4" = 1'-0"



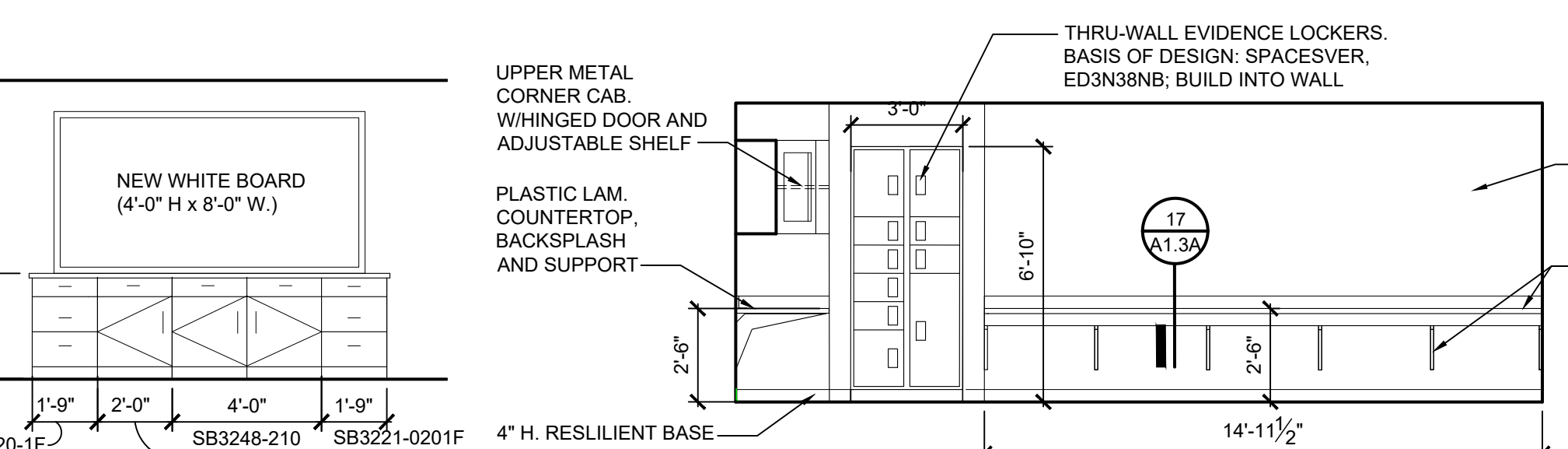
SECTION 17
A1.3A SCALE: 3/4" = 1'-0"



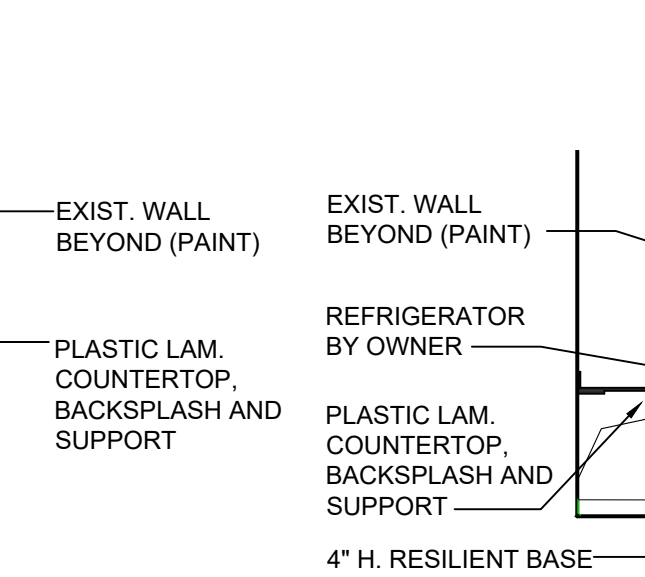
EVIDENCE/TECHNICAL INTERIOR ELEVATION 16
A1.2A SCALE: 1/4" = 1'-0"



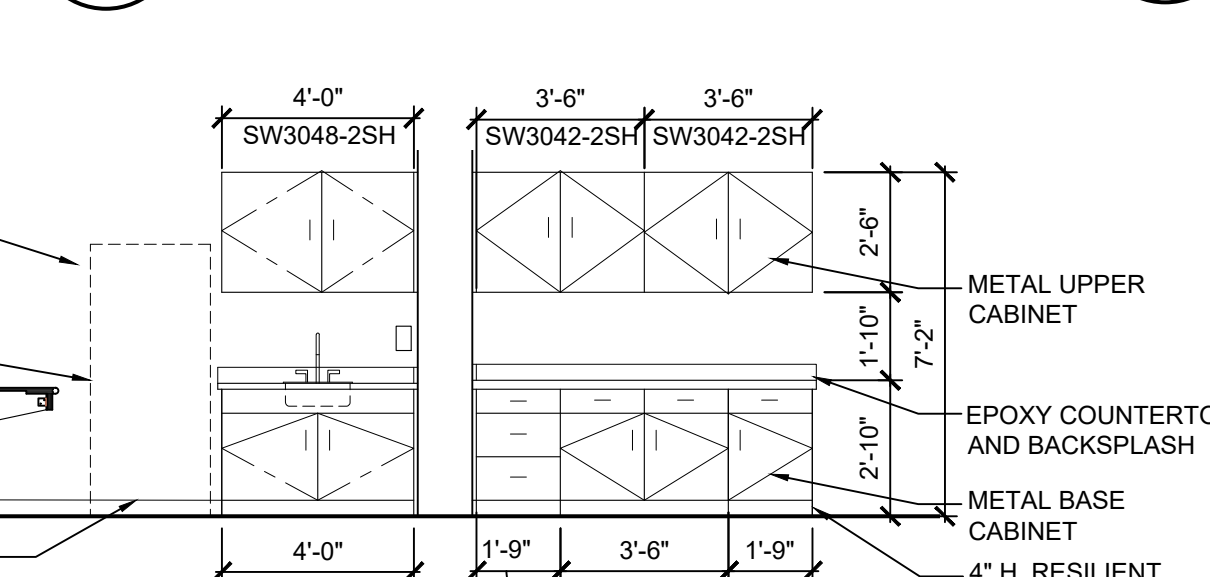
EVIDENCE/TECHNICAL INTERIOR ELEVATION 15
A1.2A SCALE: 1/4" = 1'-0"



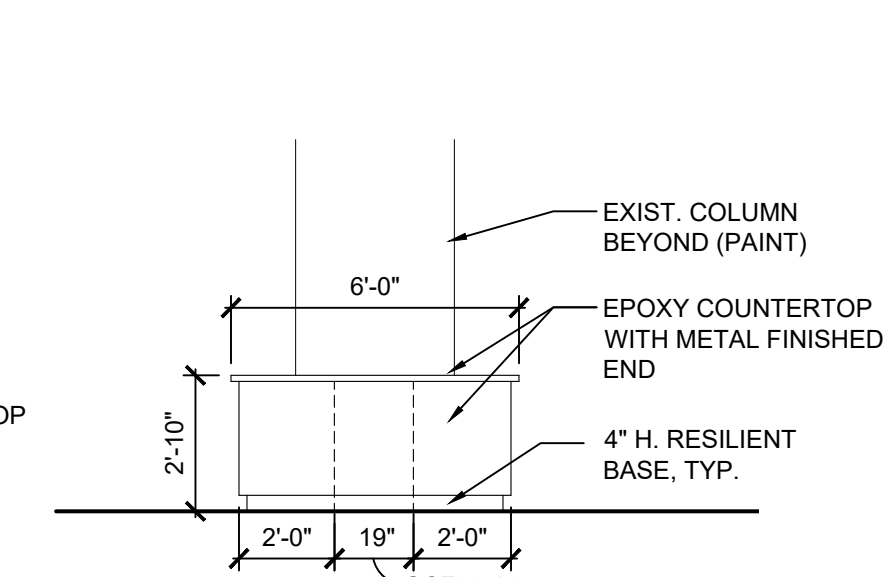
EVIDENCE/TECHNICAL INTERIOR ELEVATION 14
A1.2A SCALE: 1/4" = 1'-0"



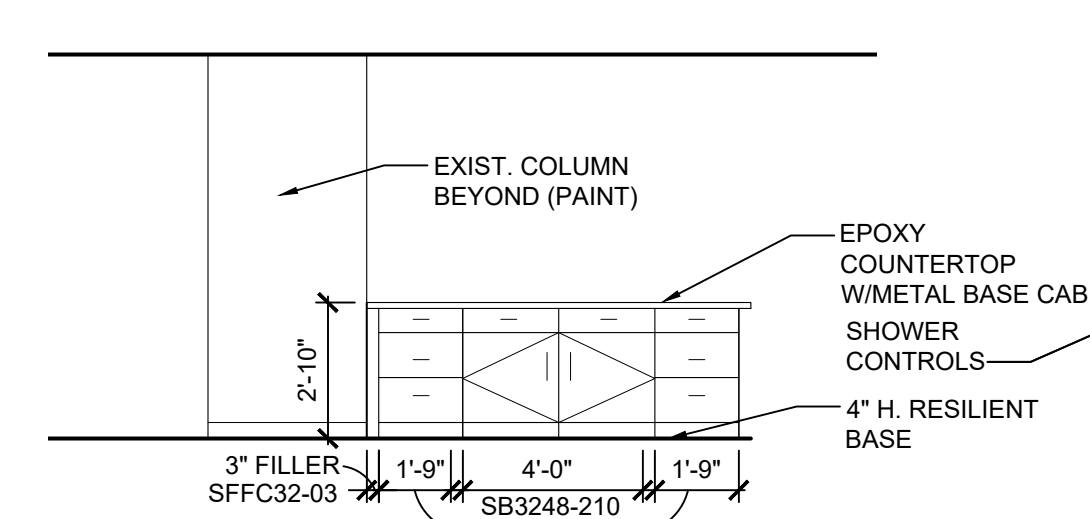
EVIDENCE/TECHNICAL INTERIOR ELEVATION 13
A1.2A SCALE: 1/4" = 1'-0"



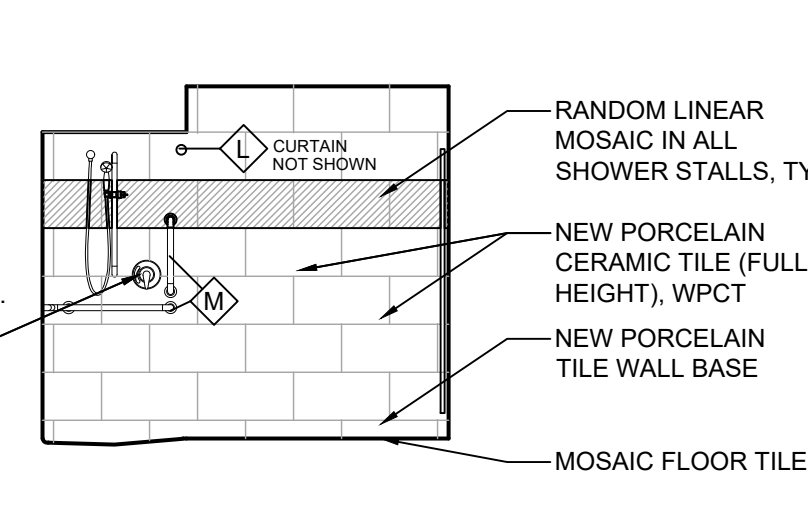
EVIDENCE/TECHNICAL INTERIOR ELEVATION 12
A1.2A SCALE: 1/4" = 1'-0"



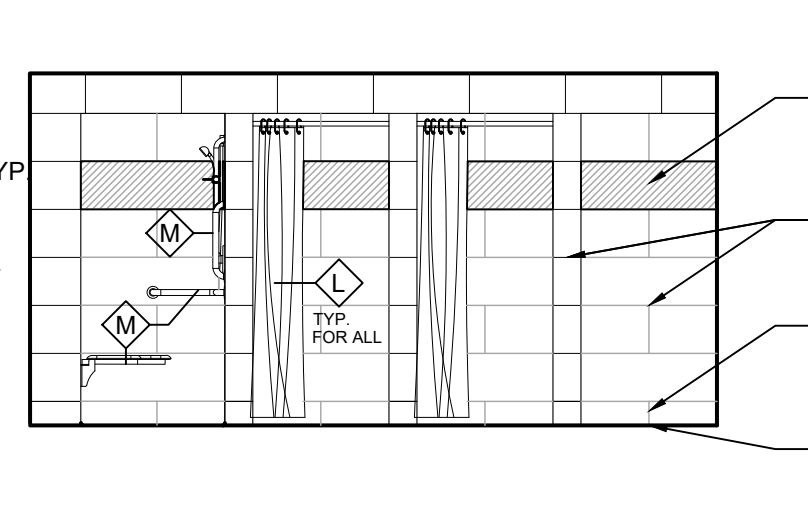
EVIDENCE/TECHNICAL INTERIOR ELEVATION 11
A1.2A SCALE: 1/4" = 1'-0"



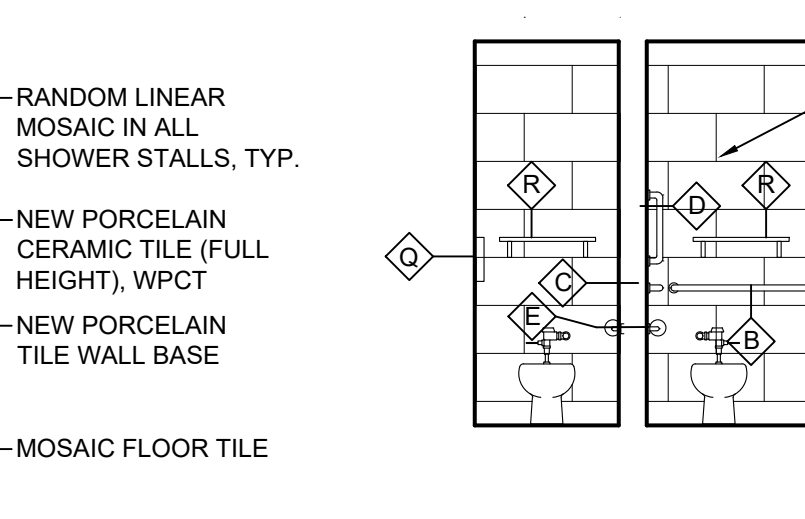
EVIDENCE/TECHNICAL INTERIOR ELEVATION 10
A1.2A SCALE: 1/4" = 1'-0"



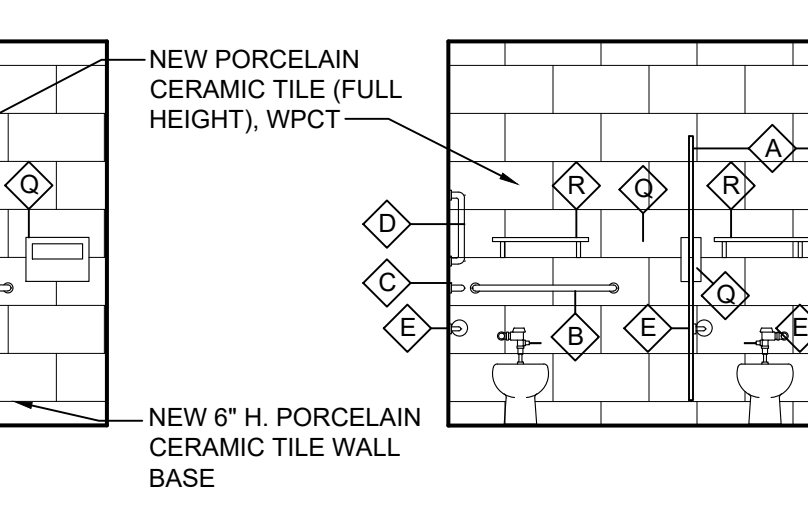
MENS SHOWERS INTERIOR ELEVATION 9
A1.3A SCALE: 1/4" = 1'-0"



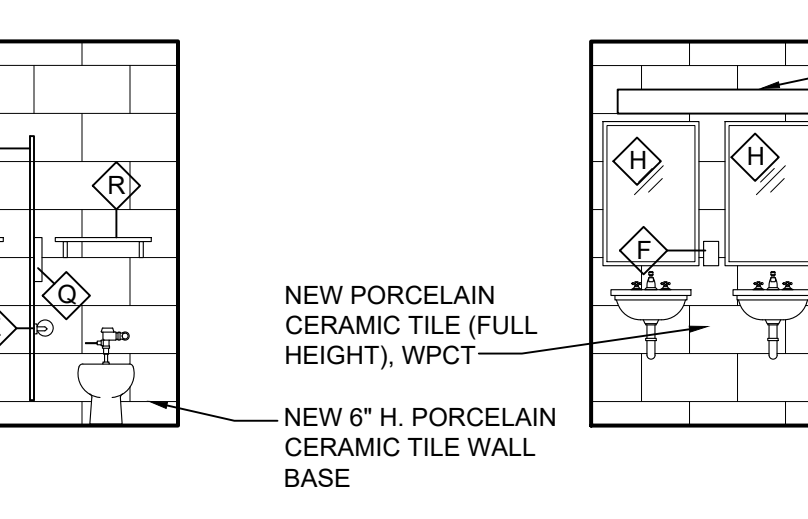
MENS SHOWERS INTERIOR ELEVATION 8
A1.3A SCALE: 1/4" = 1'-0"



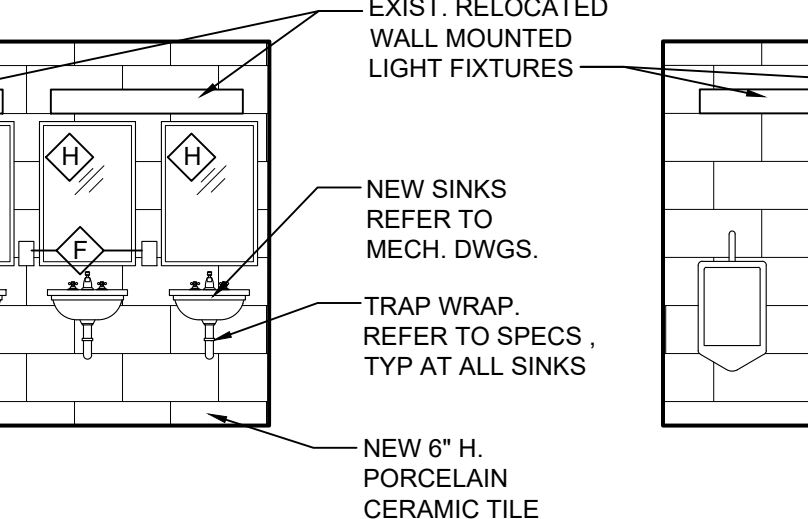
WOMENS LOCKER ROOM INTERIOR ELEVATION 7
A1.3A SCALE: 1/4" = 1'-0"



MENS LOCKER ROOM INTERIOR ELEVATION 6
A1.3A SCALE: 1/4" = 1'-0"

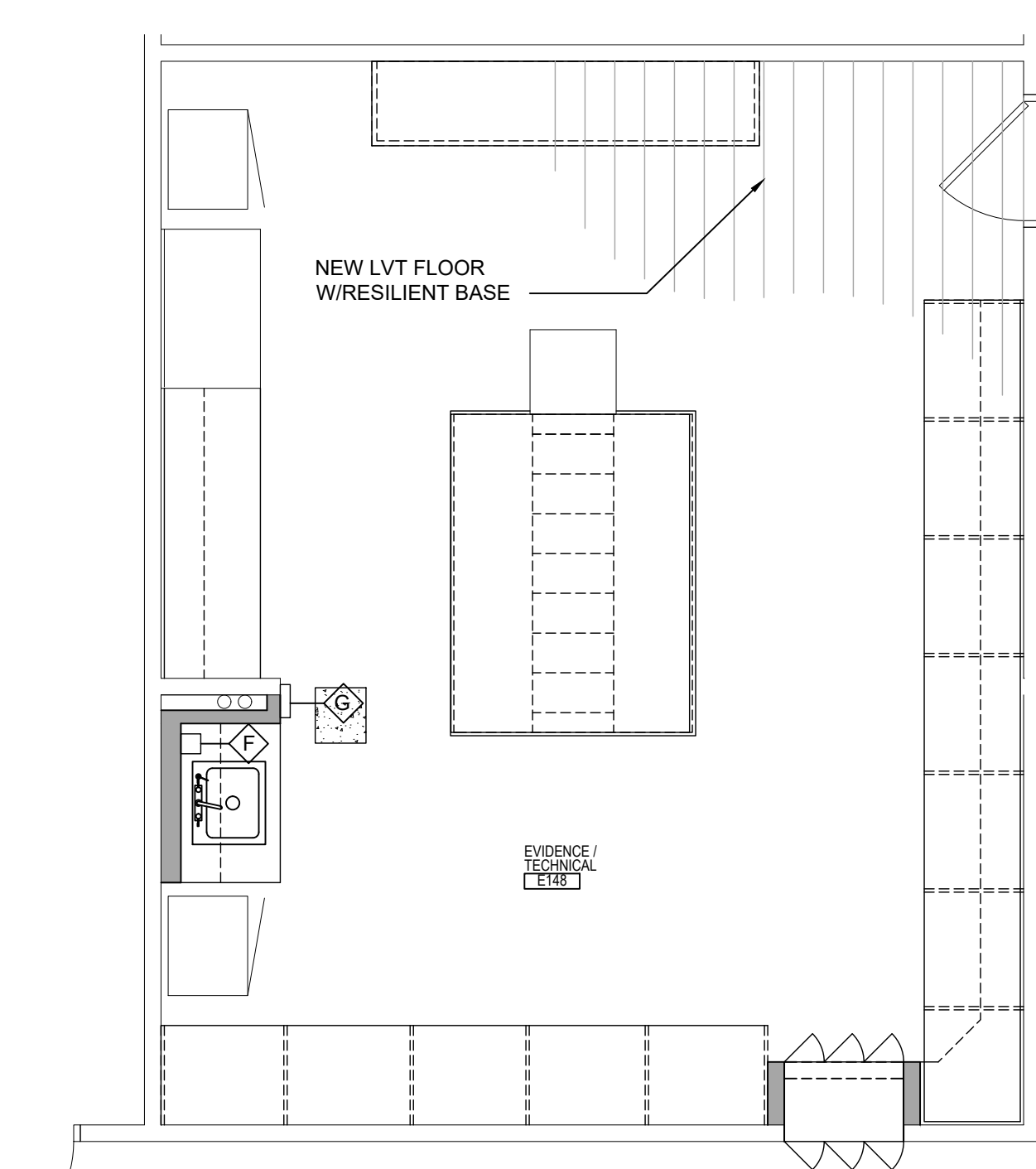


MENS LOCKER ROOM INTERIOR ELEVATION 5
A1.3A SCALE: 1/4" = 1'-0"

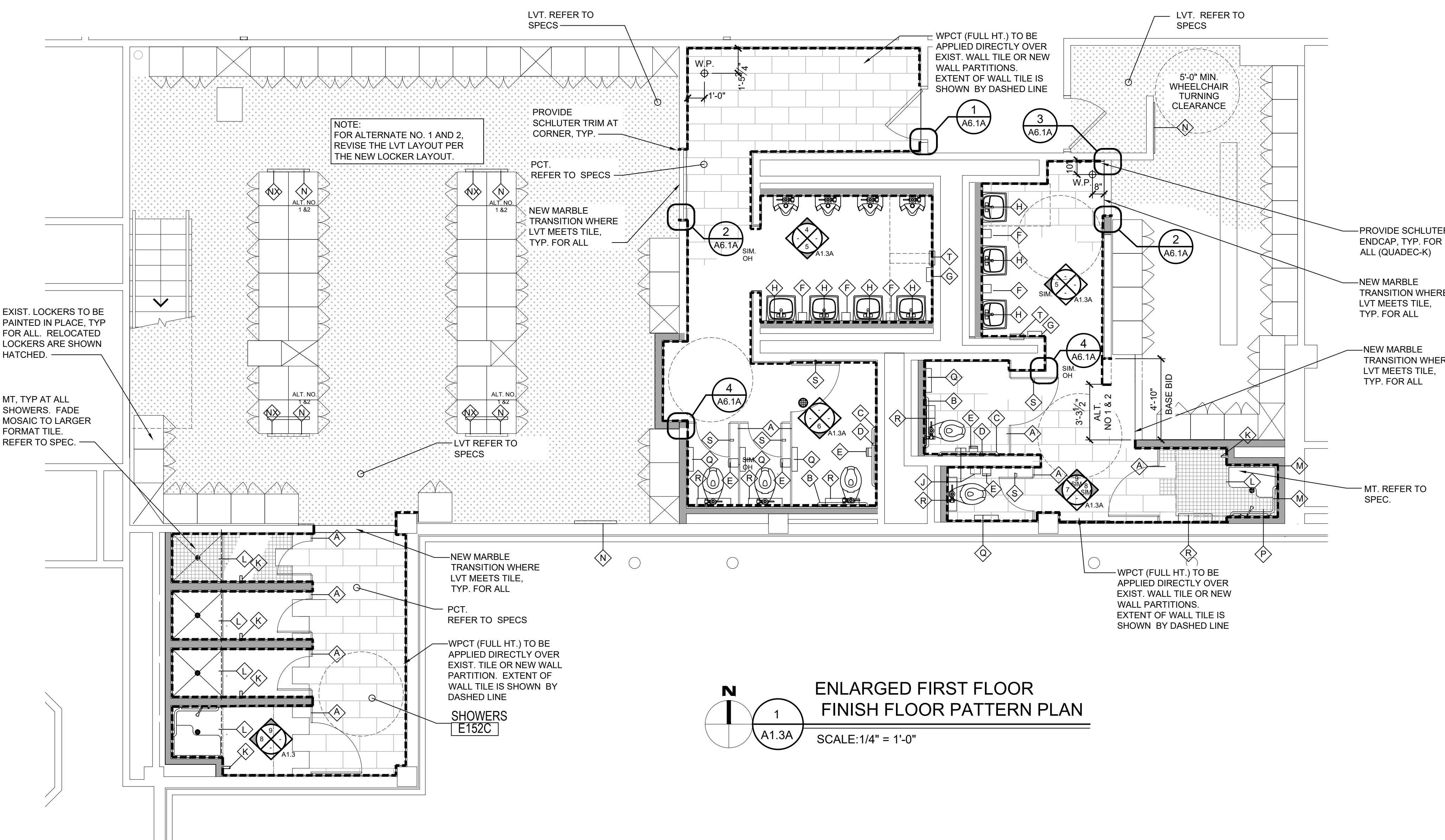


MENS LOCKER ROOM INTERIOR ELEVATION 4
A1.3A SCALE: 1/4" = 1'-0"

CASEWORK GENERAL NOTE:
1. BASIS OF DESIGN FOR METAL LABORATORY CASEWORK IS AIR MASTER SYSTEMS, CORP.



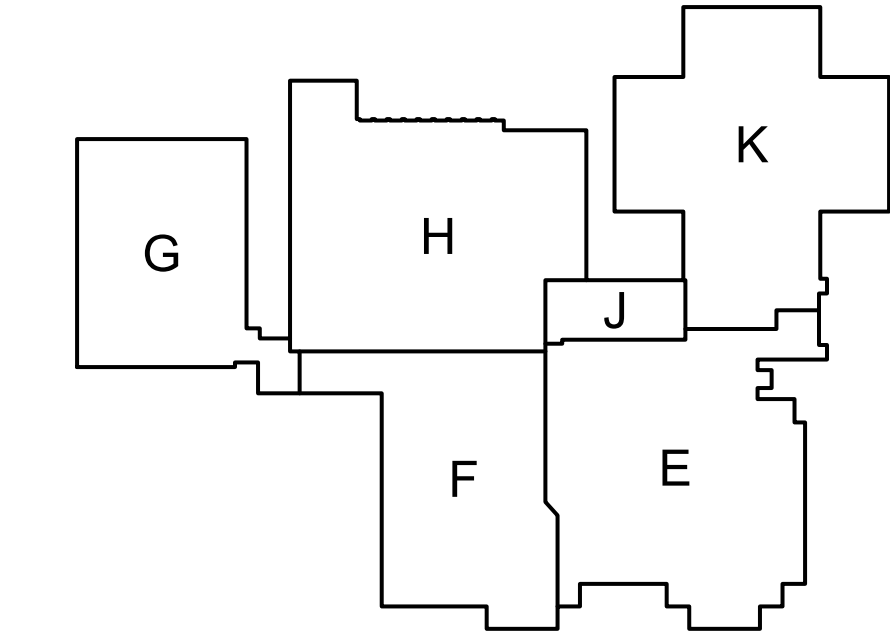
ENLARGED FIRST FLOOR FINISH FLOOR PATTERN PLAN 2
A1.3A SCALE: 1/4" = 1'-0"



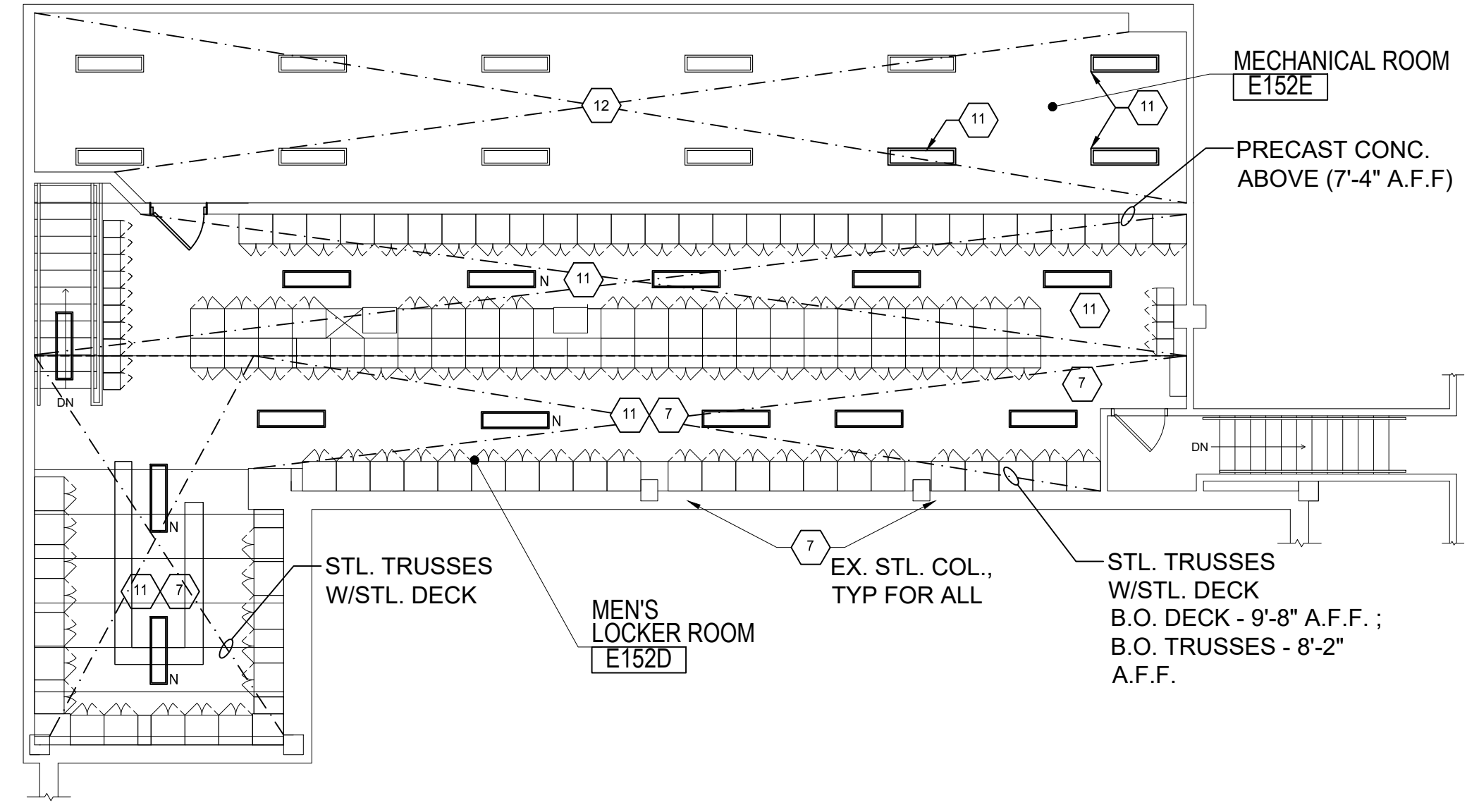
ENLARGED FIRST FLOOR FINISH FLOOR PATTERN PLAN 1
A1.3A SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES

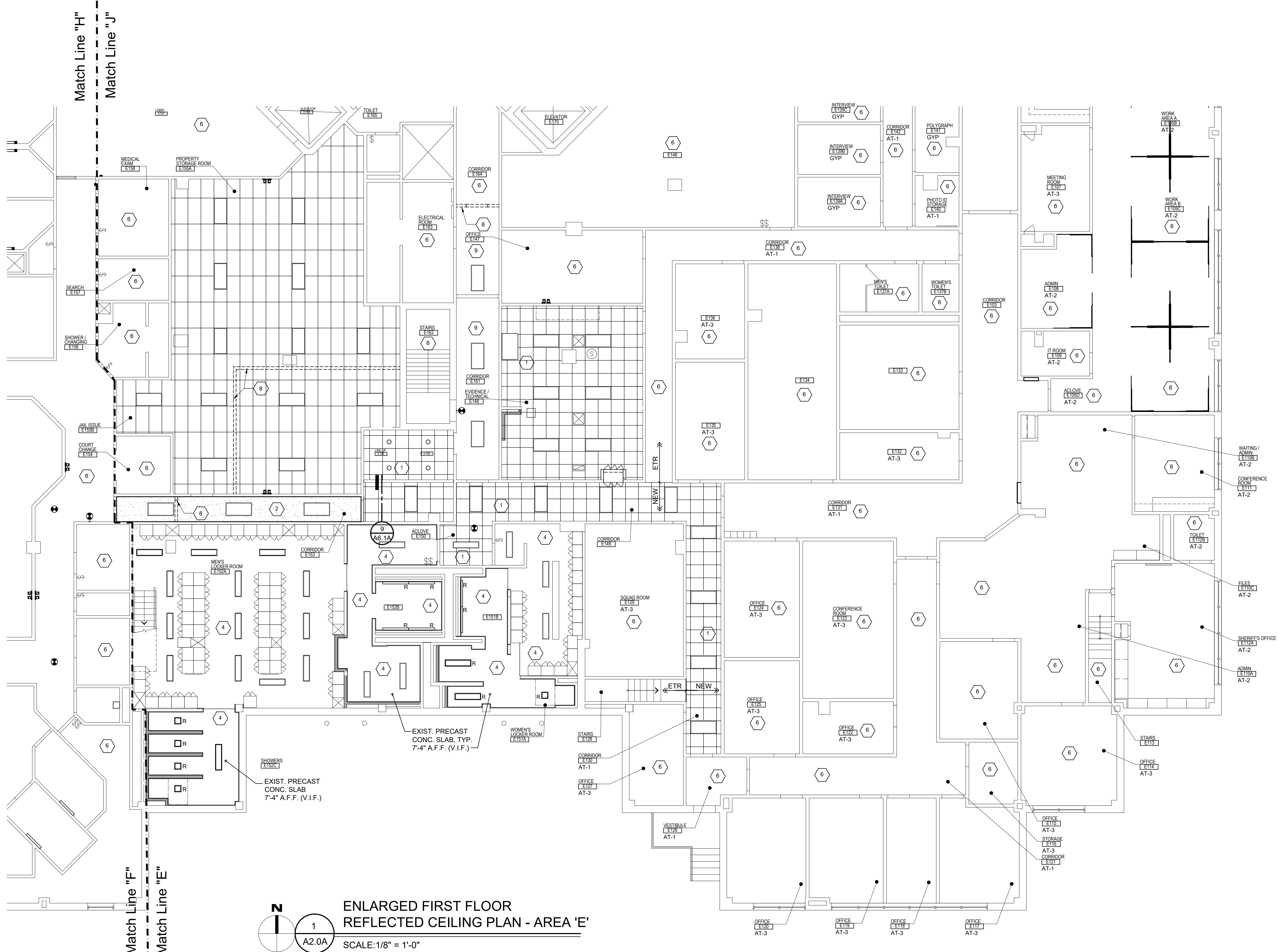
◇ TOILET PARTITION	◇ SHOWER CURTAIN
◇ 36" GRAB BAR	◇ ADA SHOWER SEAT AND GRAB BARS
◇ 42" GRAB BAR	◇ FULL LENGTH MIRROR 30" W. X 64" H.
◇ 18" VERTICAL GRAB BAR	◇ EXISTING FULL LENGTH MIRRORS TO BE REINSTALLED (BASE BID)
◇ TOILET PAPER DISPENSER (BY OWNER)	◇ RECESSED SOAP DISH
◇ SOAP DISPENSER (BY OWNER)	◇ PAPER TOILET SEAT DISPENSER AT EACH TOILET STALL
◇ PAPER TOWEL DISPENSER (BY OWNER)	◇ STAINLESS STEEL SHELF
◇ 24" x 36" MIRROR	◇ HOOKS
◇ SANITARY NAPKIN DISPENSER	◇ PAPER TOWEL DISPENSER
◇ TOWEL HOOK	



FIRST FLOOR KEY PLAN
NOT TO SCALE

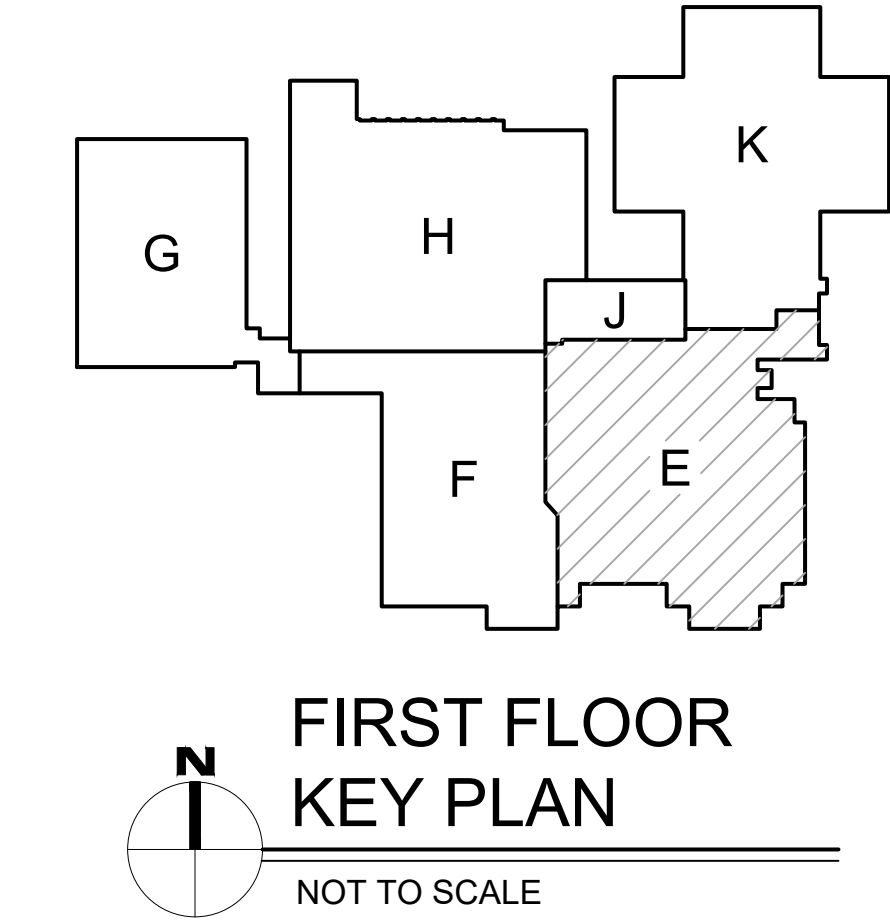


ENLARGED UPPER LEVEL
REFLECTED CEILING PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"



ENLARGED FIRST FLOOR
REFLECTED CEILING PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"

ENLARGED BASEMENT
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



FIRST FLOOR
KEY PLAN
NOT TO SCALE

- REFLECTED CEILING PLAN KEYNOTES:**
1. PROVIDE ALL NEW CEILING GRID AND TILE. REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, EXIT SIGNS, SPRINKLER HEADS/LINES, ETC. AFTER COMPLETION OF THE SANITARY LINE WORK AS SHOWN ON THE DRAWINGS.
 2. NEW GYPSUM BOARD CEILING, FRAMING, ETC. REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, DUCTWORK, EXIT SIGNS, SPRINKLER LINES, ETC. AFTER COMPLETION OF THE SANITARY LINE WORK ABOVE.
 3. REINSTALL ALL EXISTING DUCTWORK REQUIRED TO BE REMOVED FOR SANITARY LINE WORK ABOVE. CONTRACTOR TO PROTECT EXISTING WALL AND FLOOR SURFACES PRIOR TO SANITARY LINE WORK. REFER TO MECH. DRAWINGS.
 4. EXISTING EXPOSED CEILING TO REMAIN. EXISTING LIGHT FIXTURES, DIFFUSERS, ETC. TO BE REMAIN IN PLACE UNLESS NOTED OTHERWISE. EXISTING DIFFUSERS TO BE PREPPED AND REPAINTED. TYP FOR ALL. EXPOSED CEILING, DUCTWORK, CONDUITS ABOVE TO BE PAINTED.
 5. EXISTING EXPOSED CEILING TO REMAIN (PAINT). PROVIDE NEW SUSPENDED LED LIGHT FIXTURE. REFER TO ELEC. DWGS.
 6. EXISTING CEILING, LIGHTING, ETC. TO REMAIN - NO NEW WORK.
 7. ALL EXPOSED ROOF DECK, STRUCTURAL STEEL ETC. TO RECEIVE INTUMESCENT PAINT WITH 2 HOUR FIRE-RATING. PREP ALL SURFACES/STRUCTURAL STEEL AS REQUIRED PRIOR TO PAINTING. COLOR TO BE DETERMINED.
 8. NEW WALL TO END AT EXISTING OR NEW CEILING. REMOVE AND REPLACE EXISTING CEILING TILES/GRID OR GYP. BD. AS REQUIRED FOR NEW CONSTRUCTION.
 9. EXISTING GYPSUM BOARD CEILING, FRAMING, ETC. TO REMAIN. PATCH AND PAINT AS REQUIRED. REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, DUCTWORK, EXIT SIGNS, SPRINKLER LINES, ETC. AFTER COMPLETION OF THE SANITARY LINE WORK ABOVE.
 10. EXISTING SURFACE MOUNTED LIGHT FIXTURES TO BE REMOVE AND RELOCATED AFTER RENOVATION OF LOCKER ROOMS. REFER TO NEW WORK REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.
 11. NEW SURFACE MOUNTED LIGHTING FIXTURES. REFER TO ELECTRICAL DRAWINGS.
 12. REINSTALL EXISTING LIGHT FIXTURES FROM UPPER LOCKER ROOM IN UPPER MECHANICAL ROOM. EXISTING EXPOSED CEILING TO REMAIN.

- REFLECTED CEILING PLAN GENERAL NOTES:**
1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE, LAYOUT, AND QUANTITY.
 2. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER AND GRILLE LOCATIONS AND SIZES.
 3. CENTER ALL CEILING TILES AND GRID EQUALLY WITHIN EACH INDIVIDUAL ROOM.
 4. TYPICAL EXHAUST FAN NOTE: REMOVE EXISTING ACOUSTICAL CEILING TILE AS REQUIRED TO INSTALL NEW EXHAUST FAN. CUT TILE AS REQUIRED AND ADD NEW METAL TEE GRID AT NEW DIFFUSER EDGES. REINSTALL TILE. NOTE: ADJUST LOCATION OF NEW DIFFUSER TO AVOID INTERFERENCE WITH EXISTING SPRINKLER HEADS, LIGHT FIXTURES, ETC.

CEILING LEGEND	
SYMBOL	DESCRIPTION
	EXIST. 2'x4' RECESSED LED LIGHT FIXTURE IN ACOUSTICAL CEILING SYSTEM (REFER TO ELEC DWGS)
	EXIST. RELOCATED SURFACE MOUNTED 1'x4' FLUORESCENT LIGHT FIXTURE TO REFER TO ELEC DWGS
	EXIST. RELOCATED WALL MOUNT FLUORESCENT FIXTURE (REFER TO ELEC DWGS)
	NEW STRIP LIGHT FIXTURE (REFER TO ELEC DWGS)
	NEW 2' x 4' ACOUSTICAL CEILING IN EXP. METAL TEE GRID AT-1 THRU AT-5. REFER TO SPECS.
	EXIST. RELOCATED DIFFUSER (REFER TO MECH DWGS)
	RETURN AIR REGISTER (REFER TO MECH DWGS)



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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
 MACOMB COUNTY JAIL

PROPOSAL A

ENLARGED BASEMENT, FIRST AND UPPER FLOOR REFLECTED CEILING PLANS

PRELIMINARY

DESIGN DEVELOPMENT

CONSTRUCTION

FINAL RECORD

DRAWN BY: KAN

CHECKED BY: RAS

REVISIONS

NO.	DATE	DESCRIPTION
1	08/26/2022	

DATE: AUGUST 26, 2022

SHEET NO.

A2.0A

JOB NO. 221958

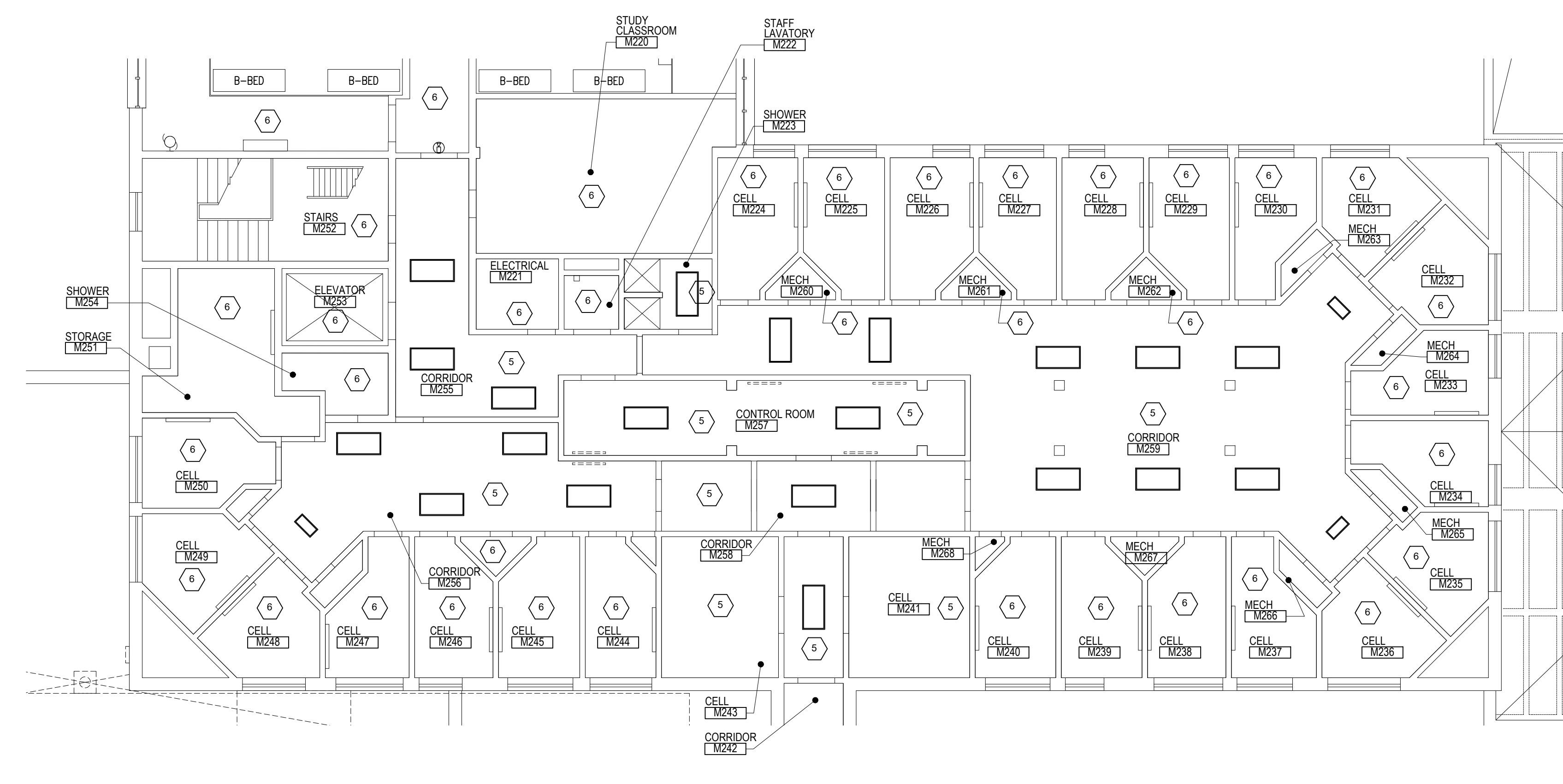
FLOOR PLAN KEYNOTES:

- 1 PROVIDE ALL NEW CEILING GRID AND TILE. REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, ETC. AFTER COMPLETION OF THE SANITARY LINE WORK AS SHOWN ON THE DRAWINGS.
- 2 NEW EXISTING GYPSUM BOARD CEILING, FRAMING, ETC. REINSTALL EXISTING LIGHT FIXTURES, DIFFUSERS, DUCTWORK, SPRINKLER LINES, ETC. AFTER COMPLETION OF THE SANITARY LINE WORK ABOVE.
- 3 REINSTALL ALL EXISTING DUCTWORK REQUIRED TO BE REMOVED FOR SANITARY LINE WORK ABOVE. CONTRACTOR TO PROTECT EXISTING WALL AND FLOOR SURFACES PRIOR TO SANITARY LINE WORK. REFER TO MECH. DRAWINGS.
- 4 EXISTING EXPOSED CEILING TO REMAIN. EXISTING LIGHT FIXTURES, DIFFUSERS, ETC. TO BE REINSTALLED AS SHOWN ON THE DRAWINGS. EXPOSED CEILING, DUCTWORK, CONDUITS ABOVE TO BE PAINTED.
- 5 EXISTING EXPOSED CEILING TO REMAIN. PROVIDE NEW SUSPENDED LED LIGHT FIXTURE. REFER TO ELEC. DWGS.
- 6 EXISTING CEILING, LIGHTING, ETC. TO REMAIN - NO NEW WORK.
- 7 ALL EXPOSED ROOF DECK, STRUCTURAL STEEL ETC. TO RECEIVE INTUMESCENT PAINT WITH 2 HOUR FIRE-RATING. PREP ALL SURFACES/STRUCTURAL STEEL AS REQUIRED PRIOR TO PAINTING. COLOR TO BE DETERMINED.
- 8 NEW WALL TO END AT EXISTING OR NEW CEILING. REMOVE AND REPLACE EXISTING CEILING TILES/GRID OR GYP. BD. AS REQUIRED FOR NEW CONSTRUCTION.

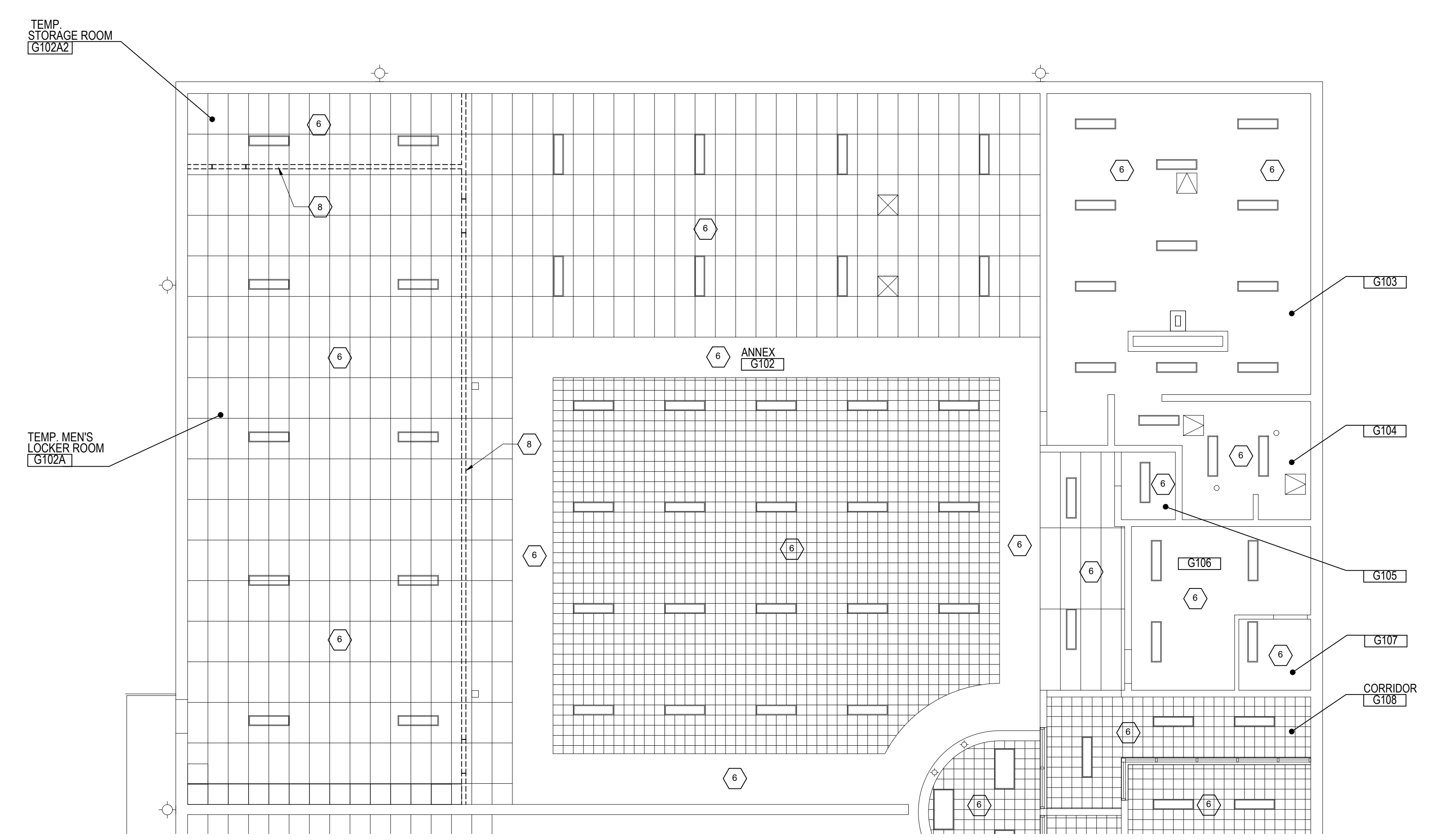
REFLECTED CEILING PLAN GENERAL NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE, LAYOUT, AND QUANTITY.
2. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER AND GRILLE LOCATIONS AND SIZES.
3. CENTER ALL CEILING TILES AND GRID EQUALLY WITHIN EACH INDIVIDUAL ROOM.
4. TYPICAL EXHAUST FAN NOTE: REMOVE EXISTING ACOUSTICAL CEILING TILE AS REQUIRED TO INSTALL NEW EXHAUST FAN. CUT TILE AS REQUIRED AND ADD NEW METAL TEE GRID AT NEW DIFFUSER EDGES. REINSTALL TILE. NOTE: ADJUST LOCATION OF NEW DIFFUSER TO AVOID INTERFERENCE WITH EXISTING SPRINKLER HEADS, LIGHT FIXTURES, ETC.

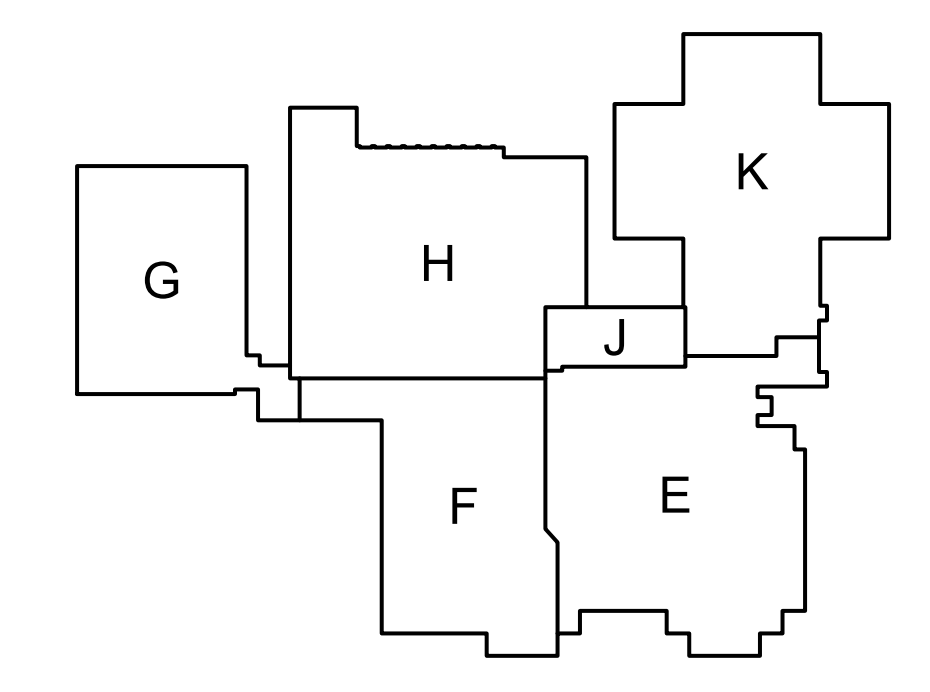
CEILING LEGEND	
SYMBOL	DESCRIPTION
	EXIST. 2'x4' RECESSED LED LIGHT FIXTURE IN ACOUSTICAL CEILING SYSTEM (REFER TO ELEC DWGS)
	EXIST. RELOCATED SURFACE MOUNTED 1'x4' FLUORESCENT LIGHT FIXTURE TO (REFER TO ELEC DWGS)
	EXIST. RELOCATED WALL MOUNT FLUORESCENT FIXTURE (REFER TO ELEC DWGS)
	NEW STRIP LIGHT FIXTURE (REFER TO ELEC DWGS)
	NEW 2' x 4' ACOUSTICAL CEILING IN EXP. METAL TEE GRID AT-1 THRU AT-5. REFER TO SPECS.
	EXIST. RELOCATED DIFFUSER (REFER TO MECH DWGS)
	RETURN AIR REGISTER (REFER TO MECH DWGS)



ENLARGED SECOND FLOOR REFLECTED CEILING PLAN - AREA 'H'
SCALE: 1/8" = 1'-0"



ENLARGED UPPER LEVEL REFLECTED CEILING PLAN - AREA 'G'
SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN
NOT TO SCALE

PROPOSAL A
ENLARGED FIRST AND SECOND FLOOR REFLECTED CEILING PLANS

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: KAN
CHECKED BY: RAS

REVISIONS
BIDS: 08/26/2022

DATE: AUGUST 26, 2022
SHEET NO.

A2.1A

JOB NO. 221958

DOOR SCHEDULE

NO.	DOOR OPENING		DOOR			FRAME			DETAILS			THRESHOLD	U.L. LABEL	HARDWARE SET	REMARKS
	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL				
FIRST FLOOR															
B136C	3'-0"	7'-0"	A	WD	STN	1	HM	PT	H1	J1	-	-	45	MC02	2
A148A	3'-0"	7'-0"	XA	XWD	XSTN	ETR	XHM	XPT	H1	J1	-	-	-	MC01	1,2
E153A	3'-0"	7'-0"	A	WD	STN	1	HM	PT	H1	J1	-	-	-	MC04	2
E164A	3'-0"	7'-0"	A	WD	STN	1	HM	PT	H1	J1	-	-	-	MC04	2
G102A	3'-0"	7'-0"	A	WD	STN	1	HM	PT	H1	J1	-	-	-	MC03	2
G102B	3'-0"	7'-0"	A	WD	STN	1	HM	PT	H1	J1	-	-	-	MC03	2
G102C	3'-0"	7'-0"	A	WD	STN	1	HM	PT	H1	J1	-	-	-	MC02	2

REMARKS - DOOR SCHEDULE

1	EXISTING DOOR AND FRAME TO RECEIVE A NEW CARD READER ONLY. EXISTING DOOR AND FRAME TO REMAIN.
2	ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING		REMARKS
					MATERIAL	HGT.	
E129	SQUAD ROOM	XCPT	XRB	XWC	XACT	-	
E148	EVIDENCE/TECHNICAL	LVT	4RB	EP	AT-5	8'-5"	3,6
E149	CORRIDOR	ETR	ETR	ETR	AT-1	8'-5"	3
E151A	WOMENS LOCKER ROOM	LVT	4RB	GYP-EP XCMU-EP	EXP-EP	VARIES	1,4,6,7,8
E151B	WOMENS LOCKER ROOM TOILETS	PCT	PCT	PCT	EXP-EP	VARIES	1,4,7,8
E151C	WOMENS SHOWER	PCT/MT	PCT	PCT/MT	EXP-EP	VARIES	4,7,8
E152A	LOWER MENS LOCKER ROOM	LVT	4RB	XCMU-EP	EXP-EP	VARIES	1,4,6
E152B	LOWER MENS TOILETS/SINKS	PCT	PCT	WPCT	EXP-EP	VARIES	4,7,8
E152C	LOWER MENS SHOWERS	PCT/MT	PCT	WPCT	EXP-EP	VARIES	4,7,8
E152D	UPPER MENS LOCKER ROOM	LVT	4RB	XCMU-EP GYP-EP	EXP-EP	VARIES	1,4,6,8
E153	CORRIDOR	ETR	ETR	ETR	AT-1	8'-10"	3
E155A	PROPERTY STORAGE ROOM	ETR	ETR	ETR	AT-4	8'-11"	3
E159	LINE UP	ETR	ETR	ETR	AT-1	8'-5"	3
E160	CORRIDOR	ETR	ETR	ETR	GYP-EP	9'-1"	3
G102	ANNEX	ETR	ETR	ETR/GYP-PT	ETR	VARIES	9
G102A	TEMP. MEN'S LOCKER ROOM	ETR	ETR	ETR/GYP-PT	ETR	9'-0"	9
G102A2	TEMP. STORAGE ROOM	ETR	ETR	ETR/GYP-PT	ETR	9'-0"	9

ROOM FINISH NOTES

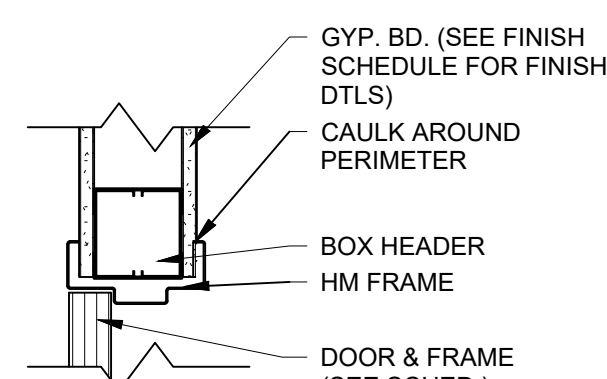
1. PAINT ALL EXISTING CMU WALLS.
2. PAINT ALL EXPOSED STRUCTURAL DECK, CONDUITS, DUCTWORK, ETC.
3. ALL NEW ACOUSTICAL CEILING HEIGHTS TO MATCH EXISTING. VERIFY IN THE FIELD.
4. ALL GYPSUM BOARD IN LOCKER ROOMS TO BE WATER-RESISTANT.
5. NOT USED.
6. NEW LVT PLANKS TO RUN LENGTH OF ROOM AT 1/3 OFFSET, UNLESS SHOWN OTHERWISE.
7. PROVIDE SCHLUTER VERTICAL STRIP AT EDGE OF TILE, TYP.
8. TWO HOUR INTUMESCENT PAINT TO BE APPLIED TO ALL EXPOSED STEEL ROOF DECK, STRUCTURAL STEEL COMPONENTS, ETC.
9. ALL NEW TEMPORARY WALLS TO BE PAINTED.

ABBREVIATIONS

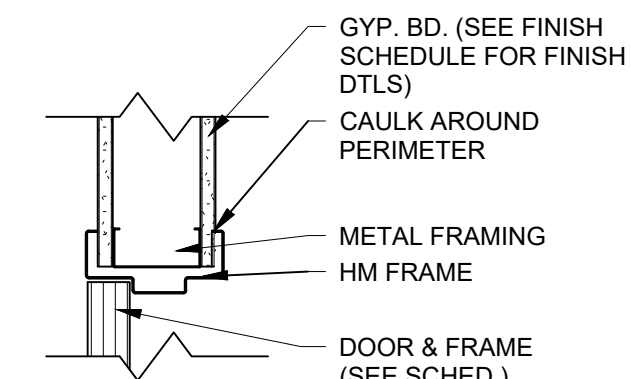
- | | |
|-----|----------------------------------|
| AT | ACOUSTICAL CEILING GRID AND TILE |
| CMU | CONCRETE MASONRY UNITS |
| ETR | EXISTING TO REMAIN |
| EXP | EXPOSED |
| EP | EPOXY PAINT |
| GYP | GYPSUM BOARD |
| HM | HOLLOW METAL |
| LVT | LUXURY VINYL TILE |
| MT | MOSAIC TILE |
| PCT | PORCELAIN CERAMIC TILE |
| PT | PAINTED |
| WD | WOOD |
| SHM | SECURITY HOLLOW METAL |
| STN | STAINED |
| 4RB | 4" H. RESILIENT BASE |
| QT | SEALED QUARRY TILE |
| X | EXISTING |

GENERAL ROOM FINISH NOTES

1. PROVIDE ALL NEW MARBLE THRESHOLDS AT ALL OPENINGS. REFER TO SHEET A1.3A.

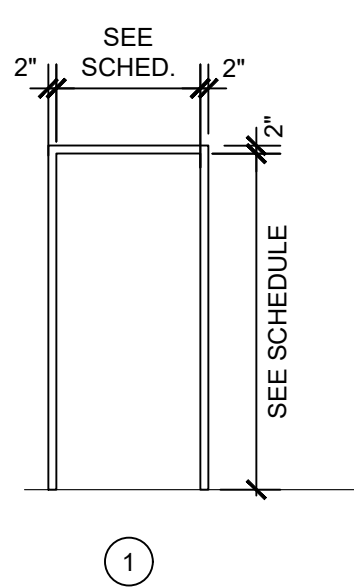


H1 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"

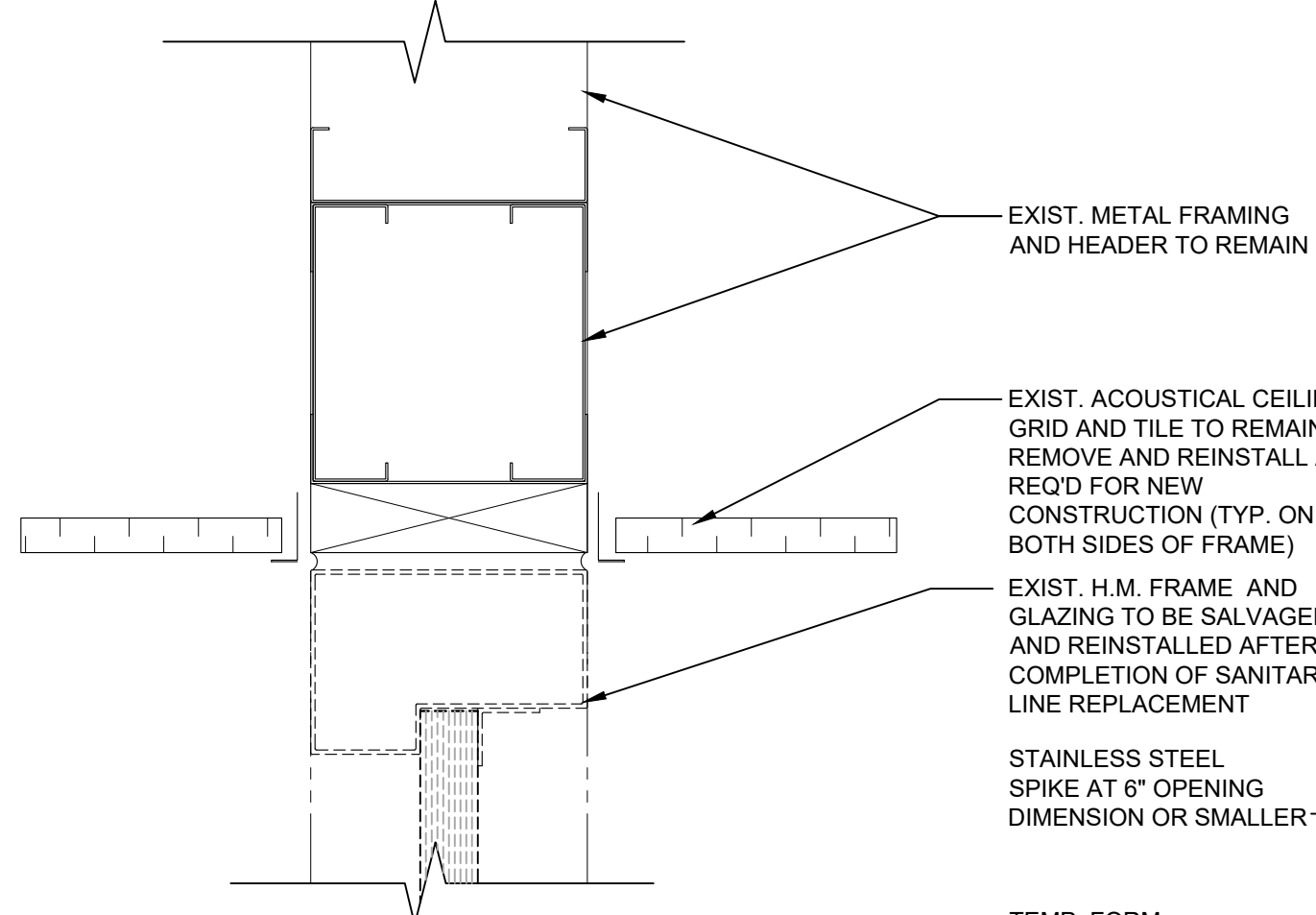
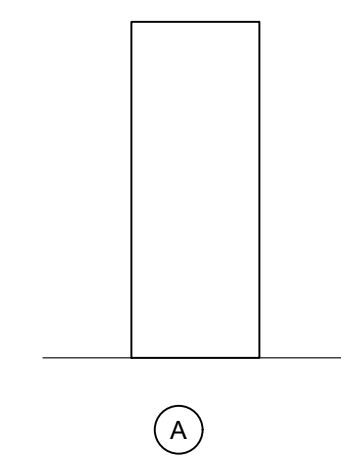


J1 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

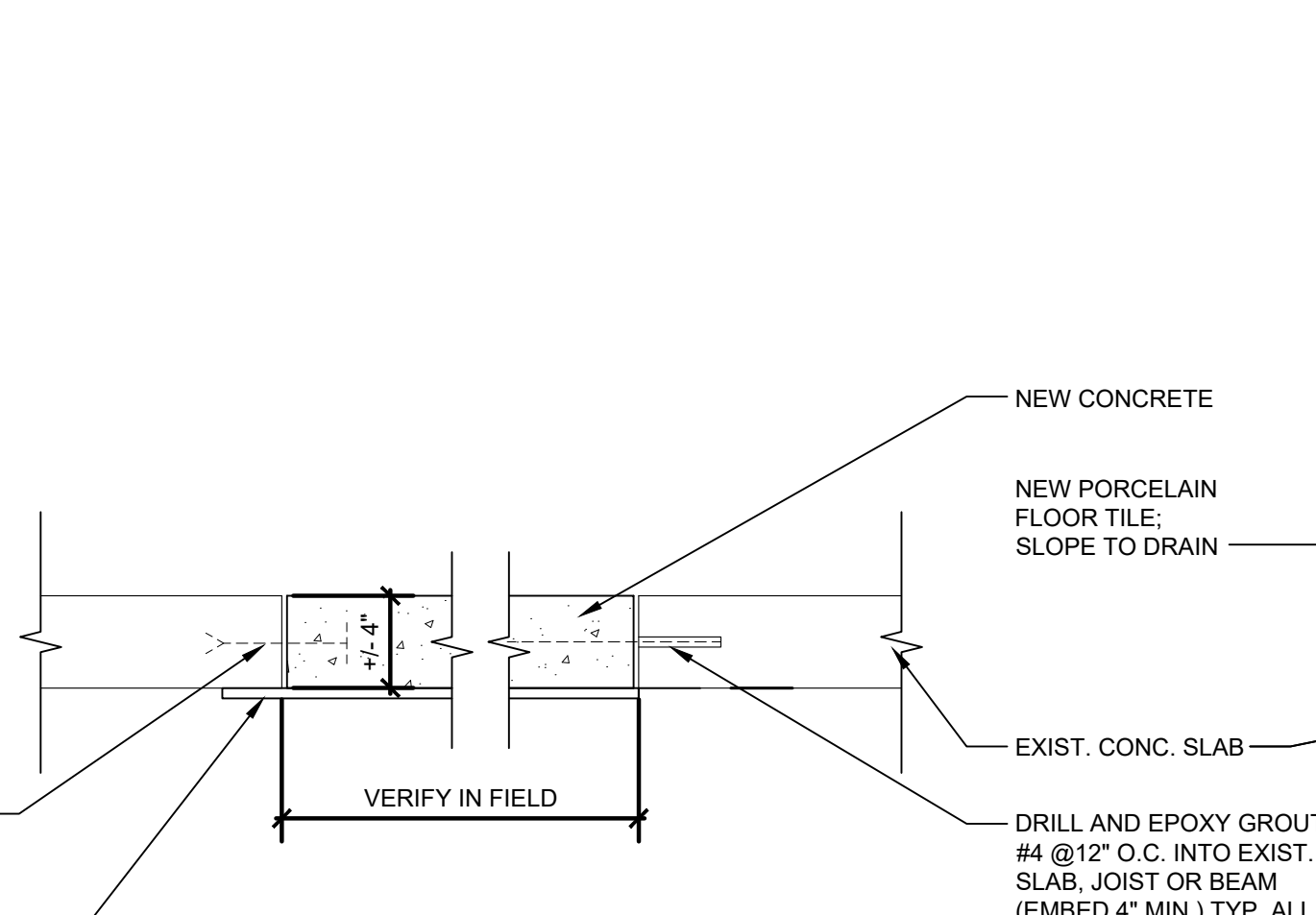
FRAME ELEVATIONS:



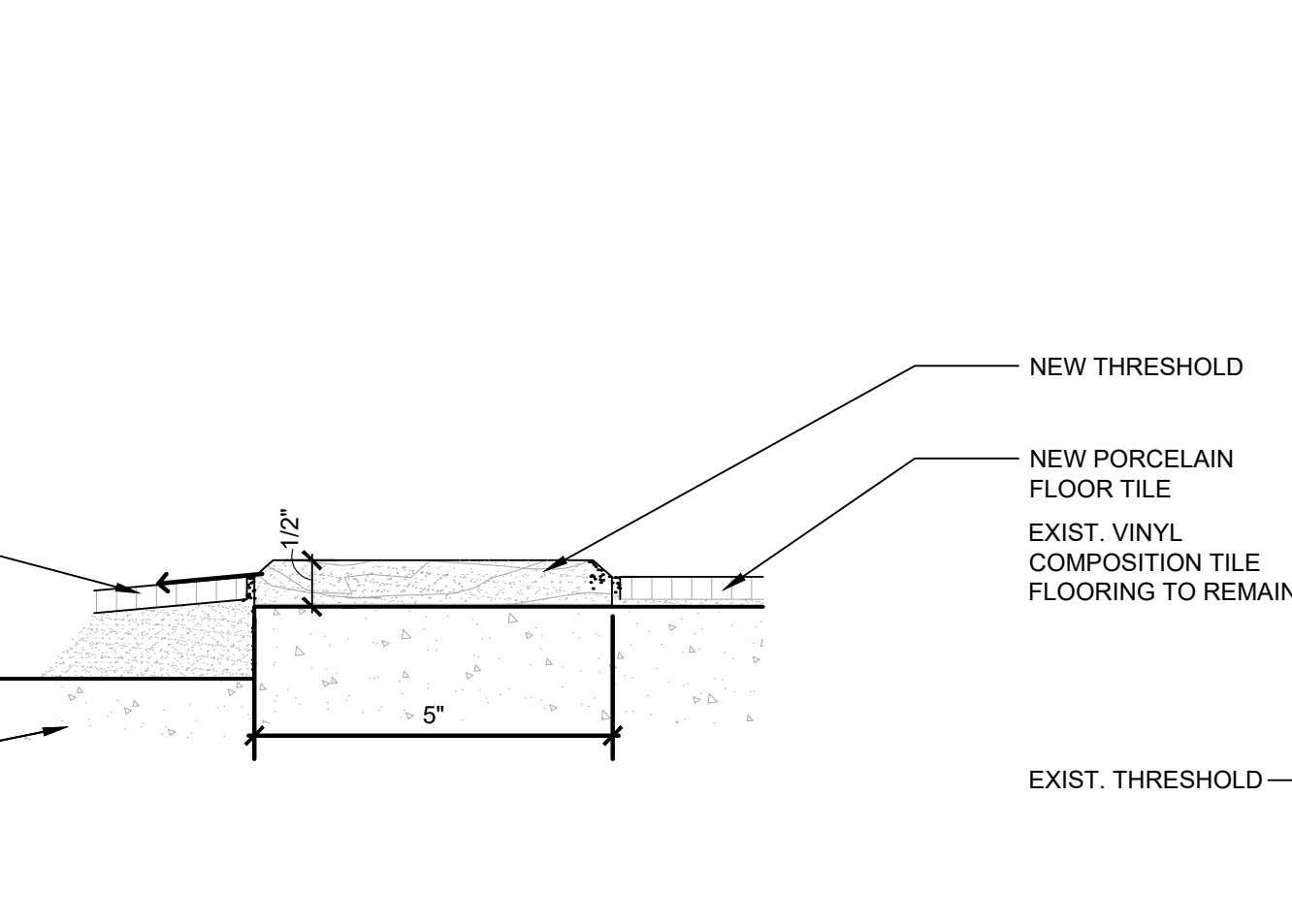
DOOR ELEVATIONS:



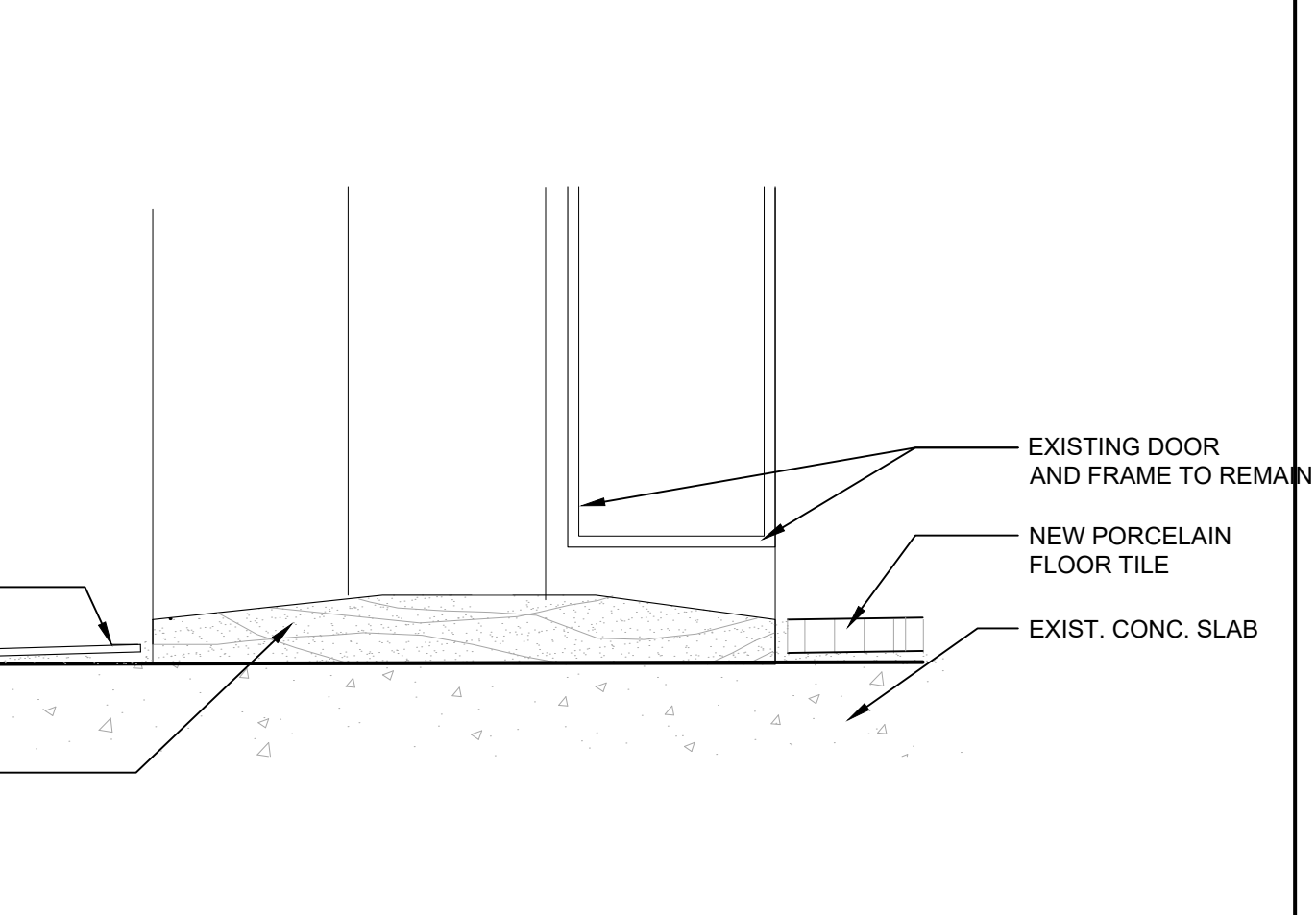
9 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



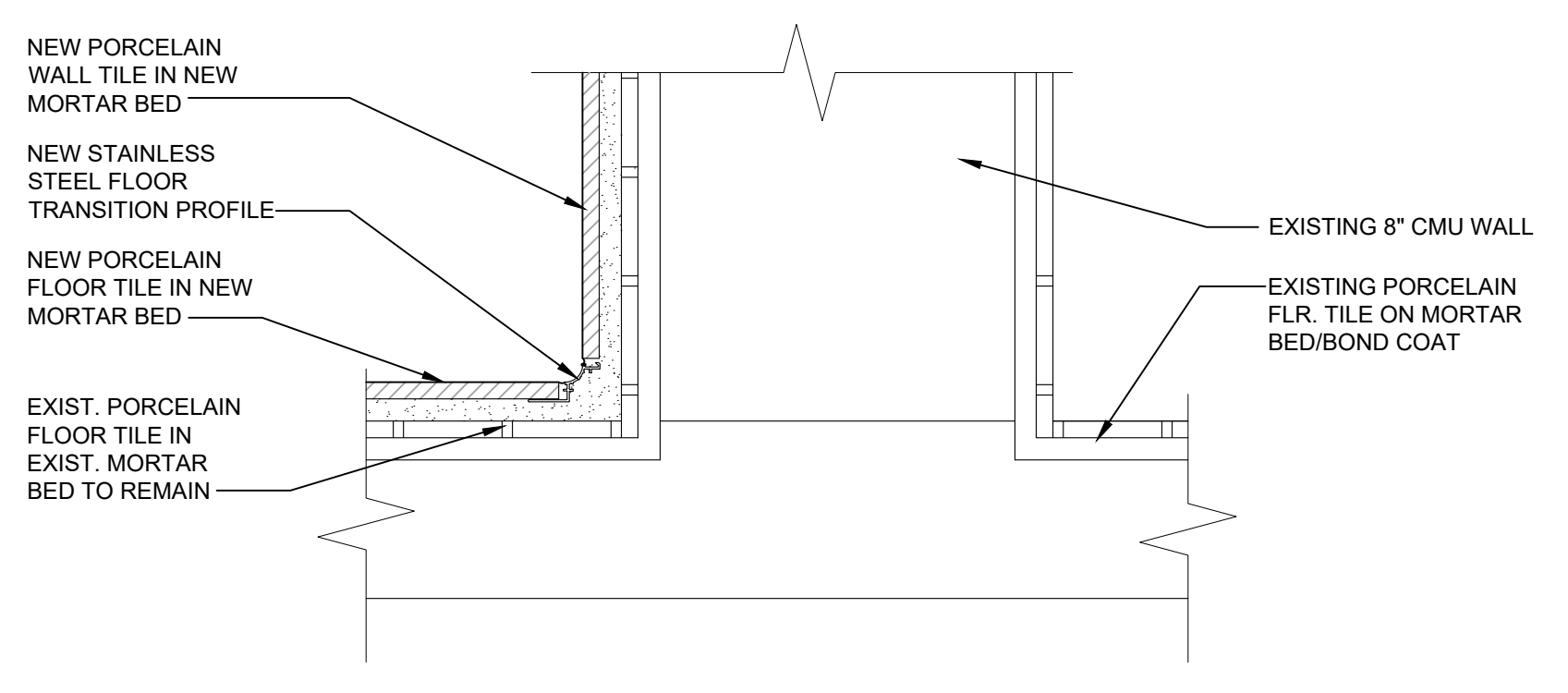
8 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



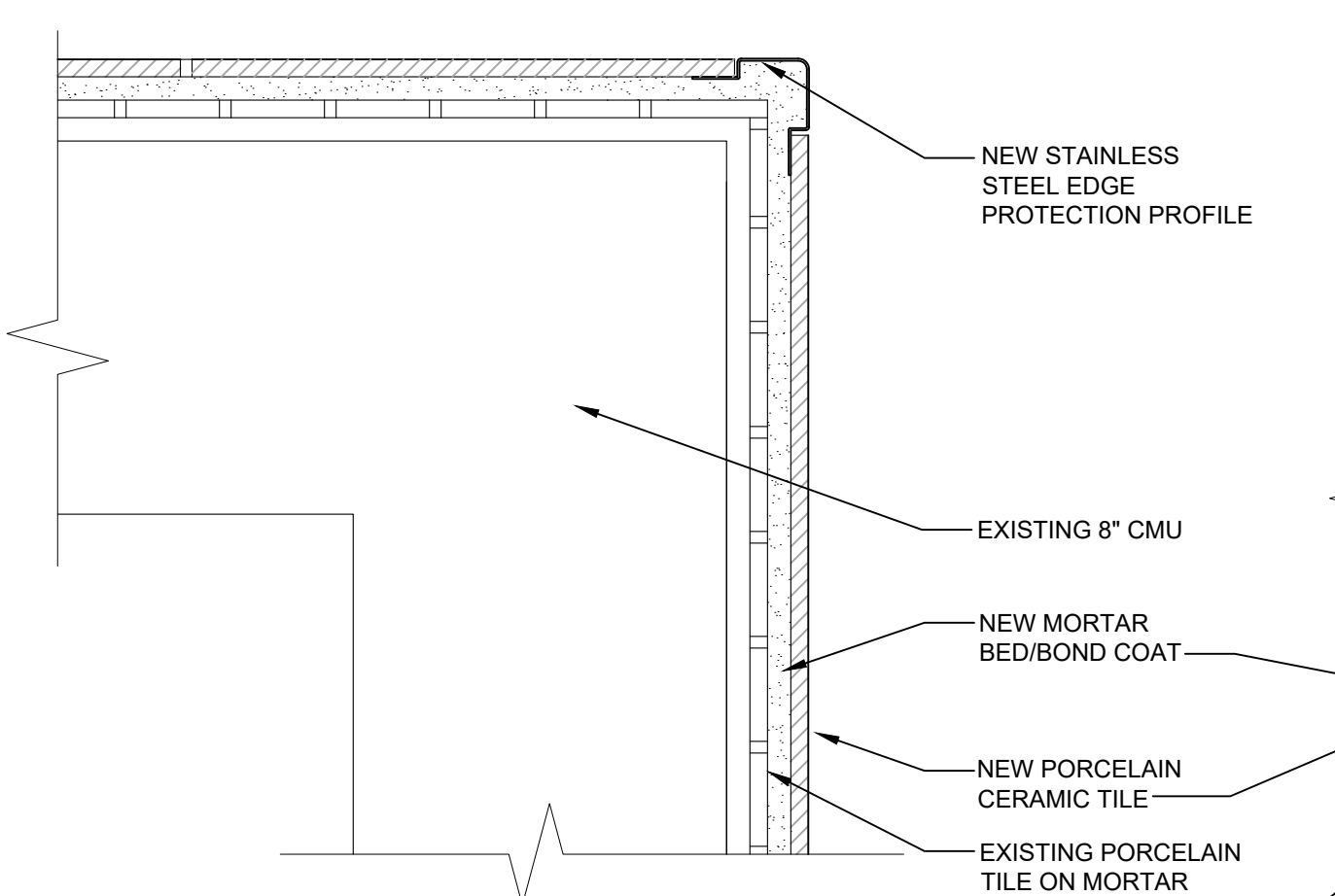
7 FLOOR TRANSITION AT SHOWER
SCALE: 1 1/2" = 1'-0"



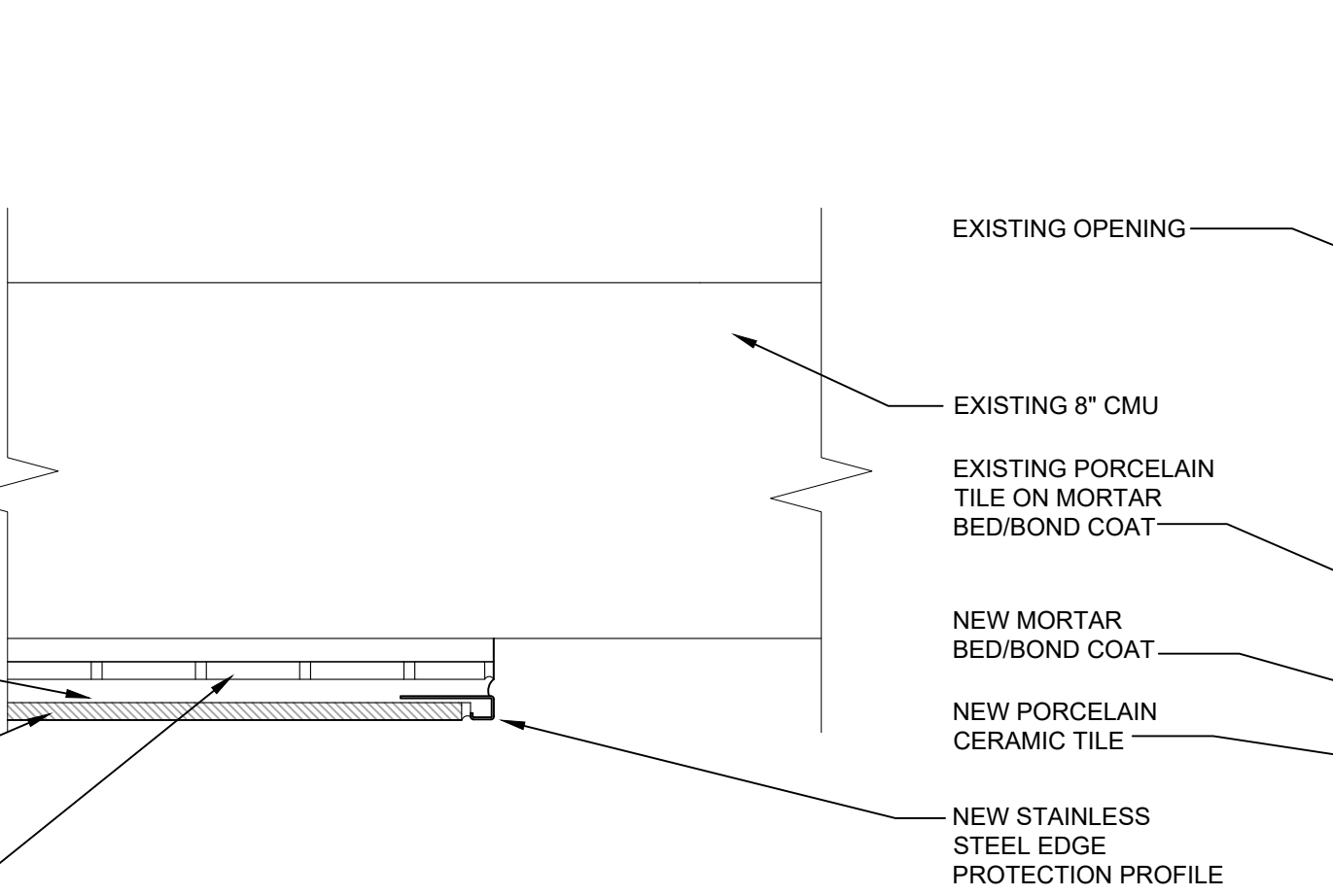
6 FLOOR TRANSITIONS AT EXIST. DOOR
SCALE: 3" = 1'-0"



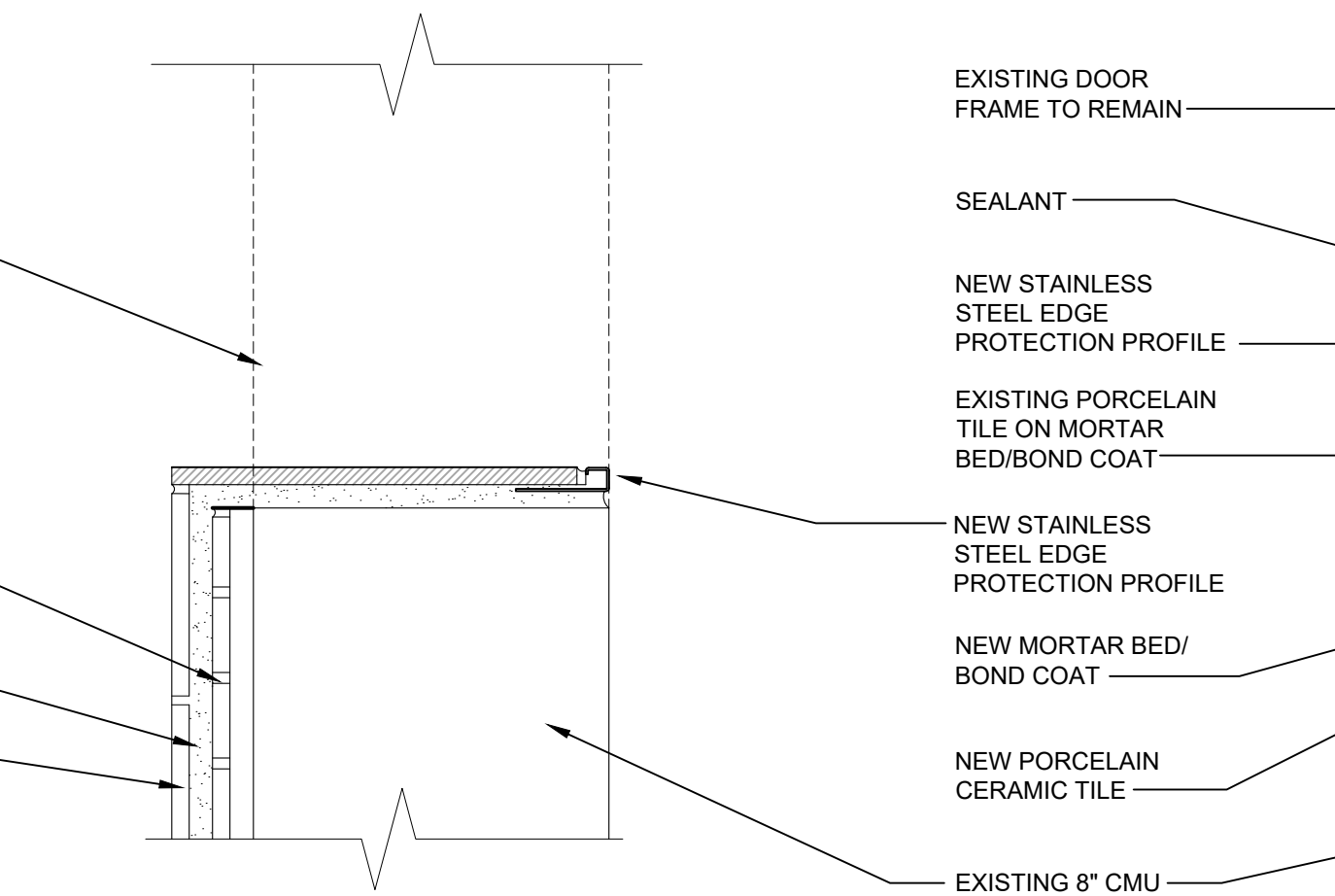
5 SECTION DETAIL - WALL TO FLOOR TILE TRANSITION
SCALE: 1 1/2" = 1'-0"



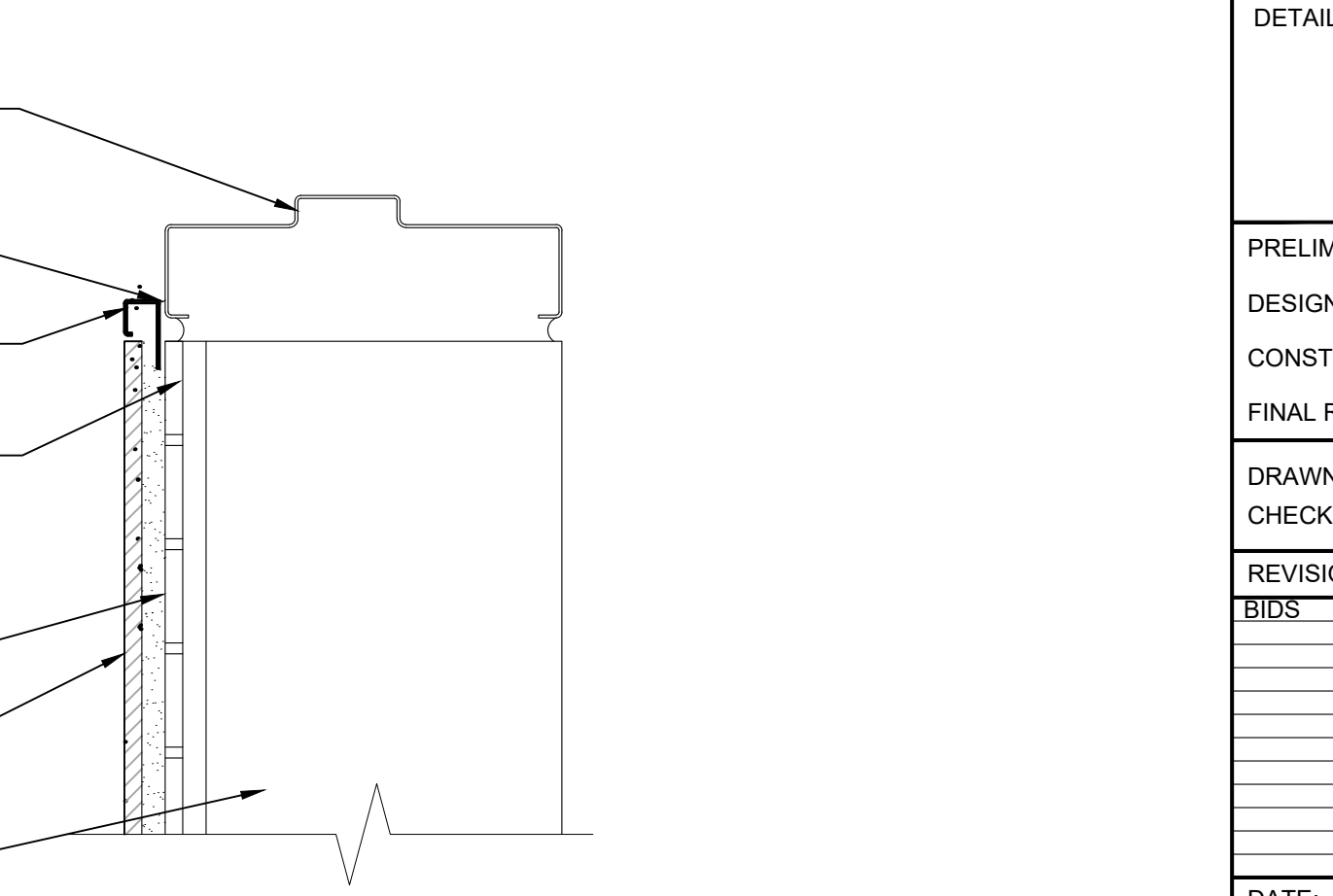
4 PLAN DETAIL OUTSIDE CORNER - TYPICAL
SCALE: 1 1/2" = 1'-0"



3 PLAN DETAIL OUTSIDE CORNER - TYPICAL
SCALE: 1 1/2" = 1'-0"



2 PLAN DETAIL TILE AT OPENING - TYPICAL
SCALE: 1 1/2" = 1'-0"



1 PLAN DETAIL TILE AT DOOR FRAME/INSIDE CORNER
SCALE: 1 1/2" = 1'-0"

**MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL**

PROPOSAL A
 DOOR SCHEDULE & DETAILS
 PRELIMINARY
 DESIGN DEVELOPMENT
 CONSTRUCTION
 FINAL RECORD
 DRAWN BY: KAN
 CHECKED BY: RAS
 REVISIONS
 BIDS: 08/26/2022
 DATE: AUGUST 26, 2022
 SHEET NO.
A6.1A
 JOB NO. 221958

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MECHANICAL ABBREVIATIONS	
ABBREV.	DESCRIPTION
AAV	AUTOMATIC AIR VENT / AIR ADMITTANCE VALVE
AD	ACCESS DOOR
AE	AIR EXTRACTOR
AFF	ABOVE FINISHED FLOOR
APD	AIR PRESSURE DROP
ASR	AUTOMATIC SPRINKLER RISER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
BWV	BACKWATER VALVE
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CIRC	CIRCULATING
CLG	COOLING
CO	CLEAN OUT
CONT	CONTINUATION OR CONTINUED
CONV	CONVECTOR
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DEG	DEGREES
DDC	DIRECT DIGITAL CONTROL
DN	DOWN
DTC	DRAIN TILE CONNECTION
DWH	DOMESTIC WATER HEATER
(E)	EXISTING
EA/EXH	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELECT	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMPERATURE
EWV	ELECTRIC WATER COOLER
°F	DEGREES FAHRENHEIT
FA	FACE AREA (COIL) / FREE AREA (LOUVER)
FC	FLEXIBLE CONNECTION
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FLA	FULL LOAD AMPS
FLR	FLOOR
FPM	FEET PER MINUTE
FFD	FUNNEL FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FS	FLOOR SINK
FT	FEET
FURN	FURNISHED
FV	FACE VELOCITY
FVC	FIRE VALVE CABINET
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HO	HUB OUTLET
HP	HORSEPOWER

MECHANICAL ABBREVIATIONS	
ABBREV.	DESCRIPTION
HR	HOUR
HTG	HEATING
HYD	HYDRANT
HZ	HERTZ
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INST	INSTALLED
INV	INVERT
ISP	INTERNAL STATIC PRESSURE
IW	INDIRECT WASTE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
LDB	LEAVING DRY BULB TEMPERATURE
LRA	LOCKED ROTOR AMPS
LWB	LEAVING WET BULB TEMPERATURE
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MOTOR OPERATED DAMPER (AUTOMATIC)
MOP	MAXIMUM OVER-CURRENT PROTECTION
N.C.	NOISE CRITERIA
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NOM	NOMINAL
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER / CENTER TO CENTER
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
ORS	OVERFLOW ROOF SUMP
OS&Y	OUTSIDE SCREW AND YOKE
PD	PRESSURE DROP (FEET OF WATER)
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAUGE
PT	PRESSURE / TEMPERATURE PORT
RA	RETURN AIR
RH	RELATIVE HUMIDITY
REQD	REQUIRED
RELA	RELIEF AIR
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
RS	ROOF SUMP
SA	SUPPLY AIR
SH	SHOWER
SP	STATIC PRESSURE
SqFt / SF	SQUARE FOOT/SQUARE FEET
SS	SERVICE SINK
TC	TEMPERATURE CONTROL
T & P	TEMPERATURE AND PRESSURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE

MECHANICAL ABBREVIATIONS	
ABBREV.	DESCRIPTION
UR	URINAL
VD	VOLUME DAMPER (MANUALLY ADJUSTABLE)
VTR	VENT THRU ROOF
W	WASTE
W&V	WASTE AND VENT
WB	WET BULB TEMPERATURE
WC	WATER CLOSET
WG	WATER GAUGE
WH	WALL HYDRANT

MECHANICAL PIPING SYMBOLS	
ABBREV.	DESCRIPTION
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE TEE DOWN
	DIRECTION OF FLOW
	UNION
	STRAINER
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	EXPANSION JOINT
	FLEXIBLE CONNECTION
	PIPE ANCHOR
	PIPE GUIDE
	PIPE CAP OR PLUG
	ISOLATION VALVE
	CIRCULATING PUMP
	GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	BACKWATER VALVE
	ANGLE VALVE
	CHECK VALVE (SWING)
	CHECK VALVE (SPRING)
	PLUG VALVE
	NEEDLE VALVE
	OUTSIDE SCREW AND YOKE VALVE (OS&Y)
	PRESSURE REGULATING VALVE
	SOLENOID VALVE
	CONTROL VALVE (2-WAY / 3-WAY)
	CENTRIFUGAL FAN
	AUTOMATIC GAS SHUT-OFF VALVE
	TRAP (PLAN VIEW)
	FLOOR DRAIN / FUNNEL FLOOR DRAIN (PLAN VIEW)
	FLOOR DRAIN / FUNNEL FLOOR DRAIN (ELEVATION)
	ROOF SUMP
	CLEAN OUT (IN FLOOR)
	CLEAN OUT (IN LINE)
	CLEAN OUT (WALL)
	BACKFLOW PREVENTER
	WATER METER ASSEMBLY
	HOSE BIBB, WALL HYDRANT
	DIRECTION OF PIPE PITCH
	SPRINKLER HEAD (UPRIGHT)
	SPRINKLER HEAD (SIDEWALL)
	FLOW SWITCH
	SIAMESE CONNECTION (YARD)
	SIAMESE CONNECTION (WALL MOUNTED)
	FIRE HYDRANT
	FLOW MEASURING DEVICE
	BALANCING VALVE
	COMBINATION FLOW MEASURING AND BALANCING DEVICE
	AUTOMATIC AIR VALVE
	MANUAL AIR VALVE

MECHANICAL SYMBOLS	
ABBREV.	DESCRIPTION
	RECTANGULAR TAKE-OFF (SINGLE LINE)
	RECTANGULAR TAKE-OFF (DOUBLE LINE)
	ROUND TAKE-OFF (SINGLE LINE)
	ROUND TAKE-OFF (DOUBLE LINE)
	SPIN-IN FITTING (WITH VOLUME DAMPER)
	ELBOW (WITH TURNING VANES)
	RADIUS RECTANGULAR ELBOW
	RADIUS ROUND ELBOW
	RECTANGULAR ELBOW UP
	ROUND ELBOW UP
	RECTANGULAR ELBOW DOWN
	ROUND ELBOW DOWN
	CONCENTRIC TRANSITION (DOUBLE LINE)
	CONCENTRIC TRANSITION (SINGLE LINE)
	ECCENTRIC TRANSITION (DOUBLE LINE)
	ECCENTRIC TRANSITION (SINGLE LINE)
	INCLINED RISE IN DIRECTION OF AIR FLOW (DOUBLE LINE)
	INCLINED RISE IN DIRECTION OF AIR FLOW (SINGLE LINE)
	INCLINED DROP IN DIRECTION OF AIR FLOW (DOUBLE LINE)
	INCLINED DROP IN DIRECTION OF AIR FLOW (SINGLE LINE)
	FLEXIBLE CONNECTION
	SUPPLY DIFFUSER
	LINEAR SLOT DIFFUSER
	RETURN OR EXHAUST GRILLE
	TRANSFER GRILLE
	CROSS SECTION OF SUPPLY AIR DUCT
	CROSS SECTION OF EXHAUST OR RETURN AIR DUCT
	EXISTING FIRE DAMPER (HORIZONTAL)
	NEW FIRE DAMPER (HORIZONTAL)
	EXISTING FIRE DAMPER (VERTICAL)
	NEW FIRE DAMPER (VERTICAL)
	EXISTING SMOKE DAMPER
	NEW SMOKE DAMPER
	EXISTING COMBINATION FIRE/SMOKE DAMPER (VERTICAL)
	NEW COMBINATION FIRE/SMOKE DAMPER (HORIZONTAL)
	VOLUME DAMPER (MANUALLY ADJUSTABLE)
	MOTORIZED DAMPER
	SMOKE DETECTOR
	CO2 SENSOR
	THERMOSTAT OR TEMPERATURE SENSOR
	HUMIDISTAT OR HUMIDITY SENSOR
	RETURN OR EXHAUST / SUPPLY AIR FLOW

PIPING LEGEND	
ABBREV.	DESCRIPTION
---CA---	COMPRESSED AIR PIPING
---CD---	CONDENSATE DRAIN PIPING
---DT---	DRAIN TILE
---F---	FIRE PROTECTION PIPING
---FOR---	FUEL OIL RETURN PIPING
---FOS---	FUEL OIL SUPPLY PIPING
---G---	NATURAL GAS PIPING
---BOW---	BOOSTED-DOMESTIC COLD WATER PIPING
---BHW---	BOOSTED-DOMESTIC HOT WATER PIPING
---CW---	DOMESTIC COLD WATER PIPING
---NPCW---	NON POTABLE COLD WATER PIPING
---TW---	TEMPERED WATER PIPING
---HW---	DOMESTIC HOT WATER PIPING
---HW(XXX)---	DOMESTIC HOT WATER PIPING CIRCULATED AT XXX TEMPERATURE
---HWR---	DOMESTIC HOT WATER RETURN PIPING
---SAN---	SANITARY WASTE PIPING
---PSAN---	PUMPED SANITARY PIPING
---V---	VENT PIPING
---ST---	STORM SEWER PIPING
---PST---	PUMPED STORM PIPING
---RC---	RAIN CONDUCTOR PIPING
---ORC---	OVERFLOW RAIN CONDUCTOR PIPING
---CHWR---	CHILLED WATER RETURN PIPING
---CHWS---	CHILLED WATER SUPPLY PIPING
---CWR---	CONDENSER WATER RETURN PIPING
---CWS---	CONDENSER WATER SUPPLY PIPING
---HHWR---	HEATING HOT WATER RETURN PIPING
---HHWS---	HEATING HOT WATER SUPPLY PIPING
---HPLR---	HEAT PUMP LOOP RETURN PIPING
---HPLS---	HEAT PUMP LOOP SUPPLY PIPING
---RL---	REFRIGERANT LIQUID PIPING
---RS---	REFRIGERANT SUCTION PIPING
---HGB---	HOT GAS BY-PASS PIPING
---GXHR---	GEO HEAT EXCHANGE RETURN
---GXHS---	GEO HEAT EXCHANGE SUPPLY
---STM---	STEAM PIPING
---HPS---	HIGH PRESSURE STEAM PIPING
---LPS---	LOW PRESSURE STEAM PIPING
---CR---	STEAM CONDENSATE RETURN PIPING
---PCR---	PUMPED STEAM CONDENSATE RETURN PIPING
---LPC---	LOW PRESSURE CONDENSATE PIPING
---HPC---	HIGH PRESSURE CONDENSATE PIPING
---MA---	MEDICAL AIR PIPING
---N---	NITROGEN GAS PIPING
---O2---	OXYGEN GAS PIPING
---VAC---	VACUUM PIPING

APPLICABLE CODES AND REGULATIONS	
YEAR	CODE
2015	MICHIGAN BUILDING CODE
2015	MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
2018	MICHIGAN PLUMBING CODE
2015	MICHIGAN MECHANICAL CODE
2015	MICHIGAN UNIFORM ENERGY CODE
2015	INTERNATIONAL FIRE CODE
2013	NFPA 13
2009	ICC/ANSI ACCESSIBLE AND USABLE BUILDING & FACILITIES
-	AMERICANS WITH DISABILITIES ACT ACCESSIBILITIES GUIDELINE (ADA-AG)

DRAWING INDEX	
SHT NO	DESCRIPTION
M0.0	MECHANICAL GENERAL INFORMATION
FP1.1	FIRE PROTECTION PLAN
MD1.0	MECHANICAL DEMOLITION PARTIAL BASEMENT PLAN
MD1.1	MECHANICAL DEMOLITION PARTIAL FLOOR PLAN
M1.0	MECHANICAL NEW WORK PARTIAL BASEMENT PLAN
M1.1	MECHANICAL NEW WORK PARTIAL FLOOR PLAN
M2.1	MECHANICAL SCHEDULES AND DETAILS

DRAWING NOTATION	
SYMBOL	DESCRIPTION
	NEW WORK KEY NOTE NO. 1
	DEMOLITION KEY NOTE NO. 1
EE-1	EQUIPMENT TAG
S-1 10x10 100-2	AIR TERMINAL TAG: IE: DIFFUSER TYPE = S-1 NECK SIZE = 10x10 CFM = 100 (TYPICAL FOR 2)
	EXISTING DEVICES OR EQUIPMENT
	NEW OR MODIFIED DEVICES OR EQUIPMENT
	EXISTING SYSTEM COMPONENT TO BE REMOVED
	POINT OF NEW CONNECTION
	SECTION NO. 4 SECTION M5.2 ON WHICH SECTION DRAWN
	SECTION NO. 6 SECTION M5.2 ON WHICH SECTION IS CUT (ENLARGED PARTIAL PLAN SIMILAR) SCALE: 1/4" = 1' - 0"
	SYSTEM RISER DESIGNATION RISER NUMBER
	S: SANITARY D: DOMESTIC WATER H: HVAC PIPING SP: STAIRWELL PRESSURIZATION V: VENT E: EXHAUST



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VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

MECHANICAL GENERAL
INFORMATION

PRELIMINARY
DESIGN DEVELOPMENT
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FINAL RECORD

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CHECKED BY: NCS

REVISIONS
BIDS: 8/28/2022

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FIRE PROTECTION PLAN

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD
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FIRE PROTECTION HYDRAULIC DESIGN CRITERIA

OCCUPANCY	HAZARD CLASSIFICATION	REMOTE AREA (SQ. FEET)	DENSITY (GPM PER SQ. FT.)	REMARKS
PUBLIC SPACES, CORRIDORS, OFFICES, MEETING ROOMS, ETC., CEILING SPACES WITH COMBUSTIBLE MATERIALS.	LIGHT HAZARD	1500 (OR 5 HEADS MINIMUM)	0.10	USE QUICK RESPONSE SPRINKLERS
MECHANICAL ROOMS, ELECTRICAL ROOMS, EQUIPMENT ROOMS, MAINTENANCE ROOMS, STORAGE ROOMS	ORDINARY HAZARD GROUP 1	1500 (OR 5 HEADS MINIMUM)	0.15	USE QUICK RESPONSE SPRINKLERS

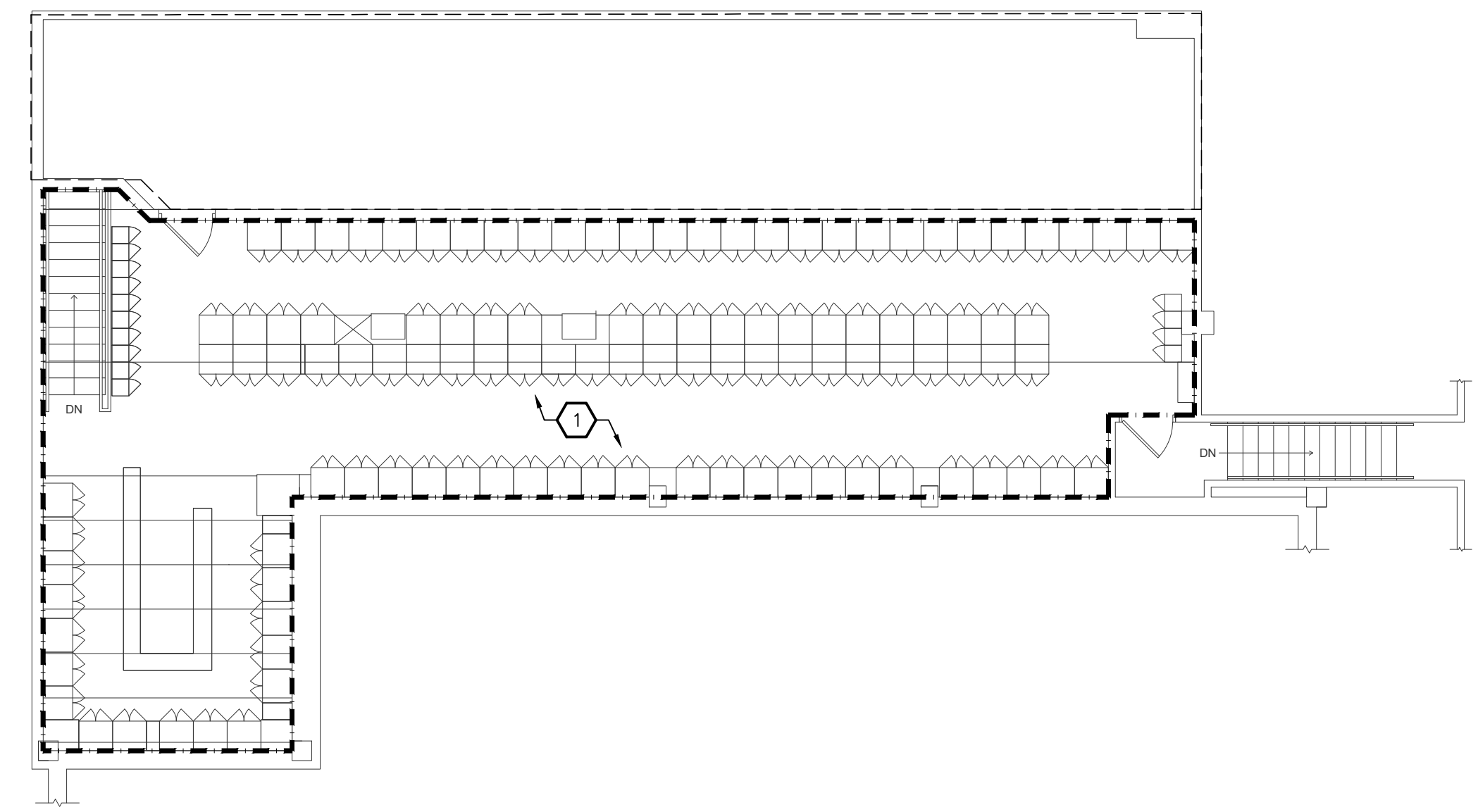
- NOTES:
- DESIGN AND DESIGN CRITERIA SHALL BE PER NFPA.
 - MAXIMUM AREA PER HEAD CAN BE 400 SF, WHERE EXTENDED COVERAGE HEADS ARE ALLOWED AND UTILIZED.

FIRE PROTECTION GENERAL NOTES

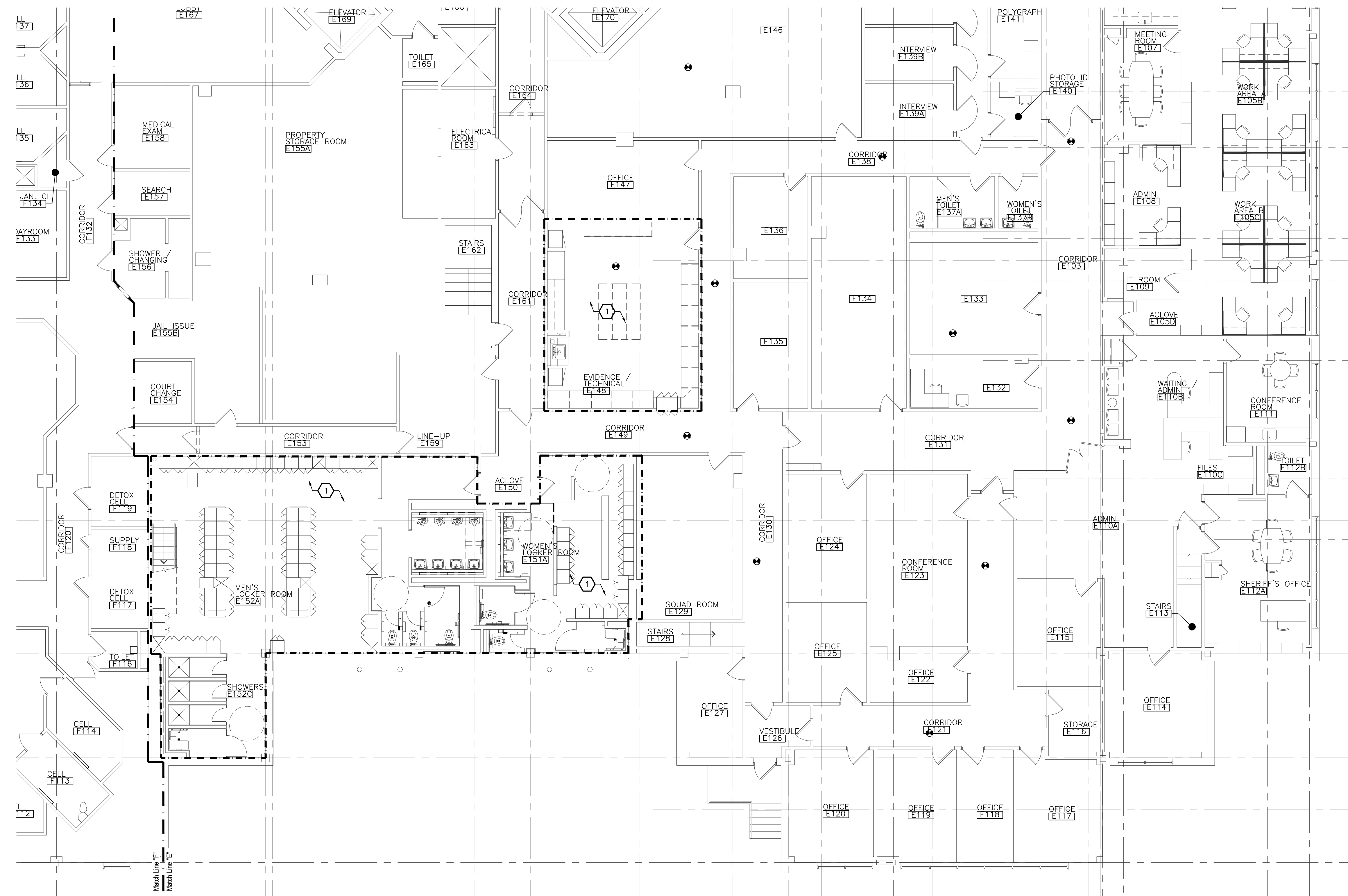
- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL INTENT OF THE WORK. PROVIDE/REWORK FIRE PROTECTION SYSTEMS COMPLETE, PER APPLICABLE CODES, NFPA, OWNERS INSURER'S REQUIREMENTS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION INCLUDING ALL PIPING, OFFSETS, FITTINGS, DRAINS, VALVES, SPRINKLER HEADS, ETC. AS REQUIRED FOR A COMPLETE OPERABLE SYSTEM.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES. SPRINKLER PIPING SHALL NOT BE LOCATED BELOW MECHANICAL EQUIPMENT.
- MINIMUM RUN-OUT PIPE SIZE TO SPRINKLER HEADS SHALL BE 1".
- FIRE PROTECTION TRADES SHALL SUBMIT PLANS, FLOW AND PRESSURE TEST AND CALCULATIONS TO THE LOCAL FIRE MARSHAL AND TO THE BUILDING'S INSURING AGENCY FOR APPROVAL. CONTRACTOR SHALL THEN MAKE ALL NECESSARY CORRECTIONS AND RESUBMIT PLANS AND CALCULATIONS FOR RECORD TO THE ARCHITECT AS WELL AS THE FIRE MARSHAL.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TESTS AND PAY FOR ALL FEES, PERMITS, INSPECTIONS, AND LICENSES, AS REQUIRED BY THE LOCAL AUTHORITY.

KEYED NOTES

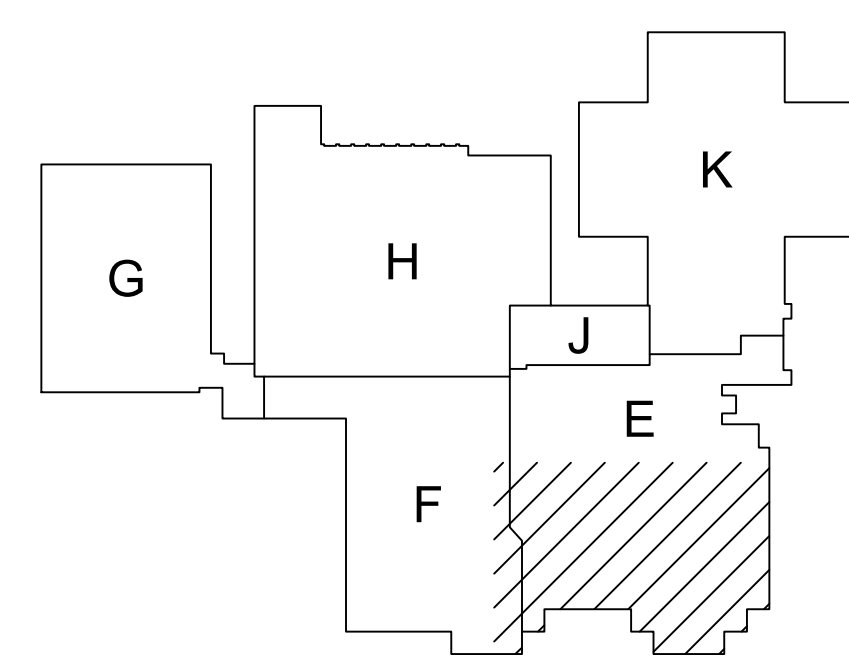
- REWORK FIRE PROTECTION PIPING AND SPRINKLER HEADS AS REQUIRED IN SPACE INDICATED.



**ENLARGED UPPER LEVEL FIRE PROTECTION
NEW WORK PLAN - AREA 'E'**
SCALE: 1/8" = 1'-0"



**ENLARGED FIRST FLOOR FIRE PROTECTION
NEW WORK PLAN - AREA 'E'**
SCALE: 1/8" = 1'-0"



**FIRST FLOOR
KEY PLAN**
NOT TO SCALE



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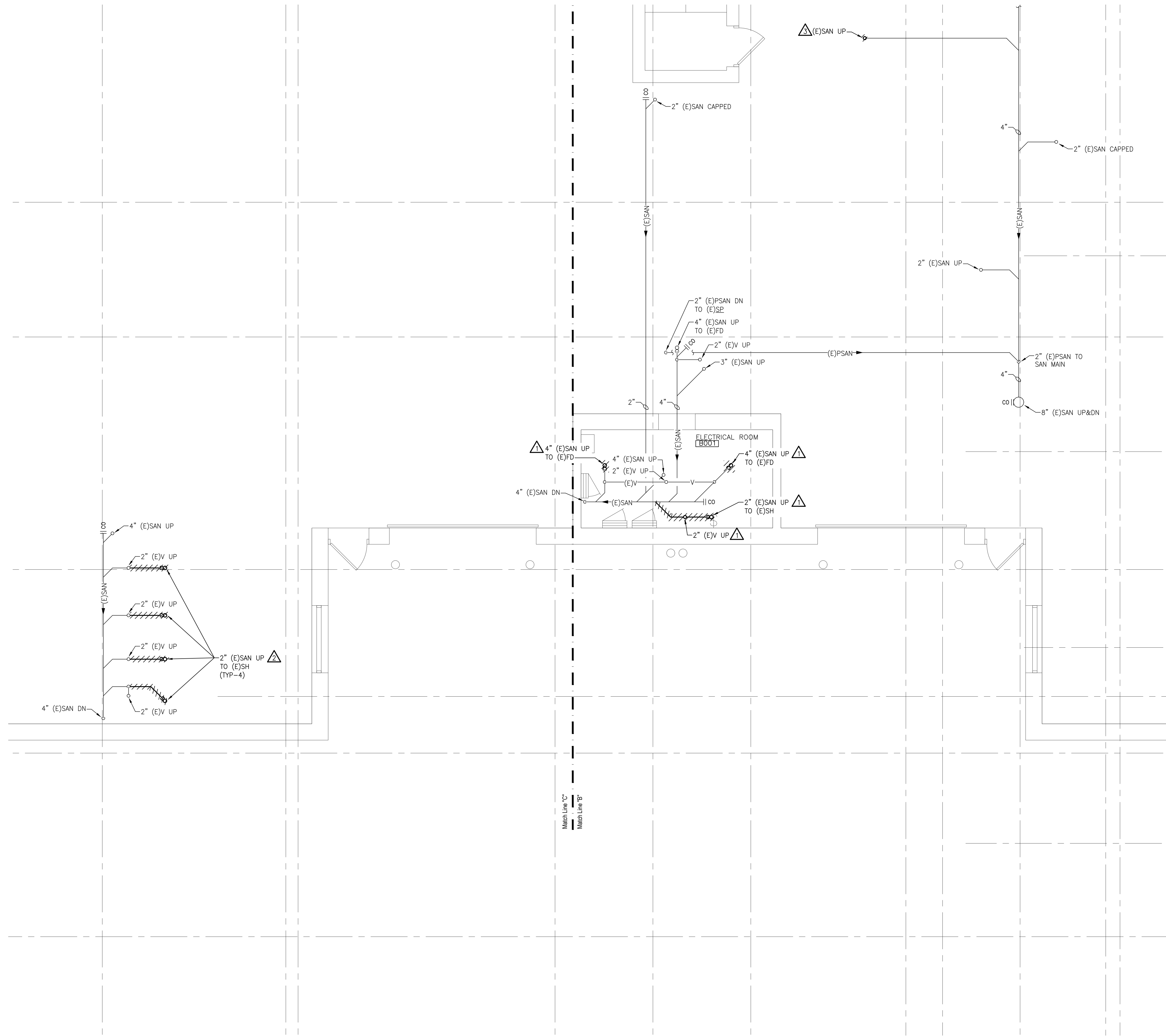
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MECHANICAL DEMOLITION NOTES

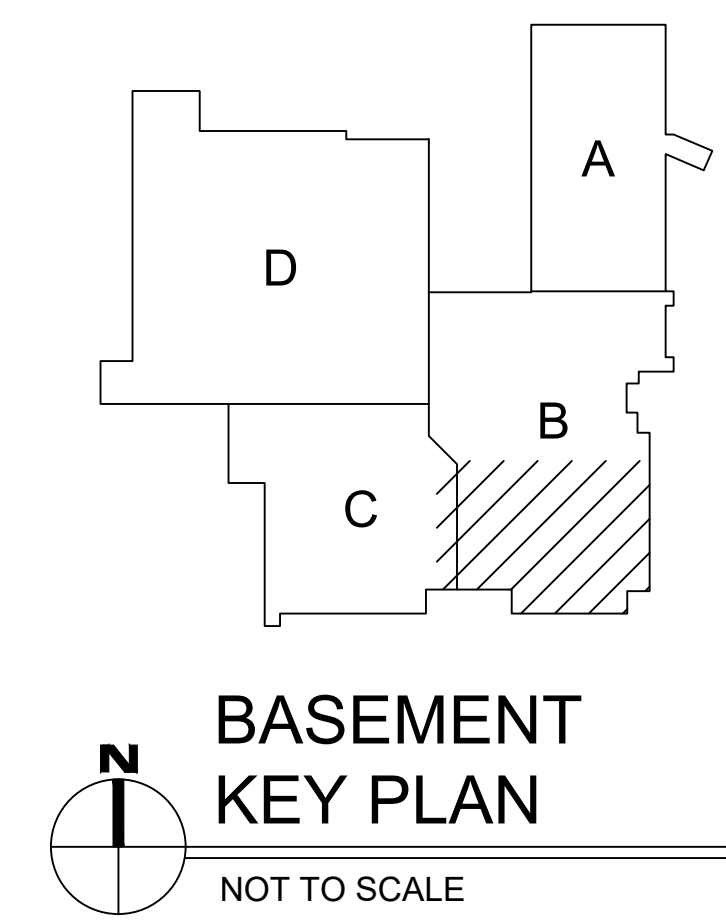
1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
2. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS, SYSTEMS, AND UTILITIES. NOTIFY ARCHITECT OF ANY INTERFERENCES OR DISCREPANCIES.
3. VERIFY DEPTH, SIZE, LOCATIONS AND CONDITION OF EXISTING UTILITIES IN THE FIELD, INCLUDING POINTS OF CONNECTION PRIOR TO STARTING ANY WORK.
4. ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
5. ALL ITEMS ON DEMOLITION PLAN SHALL BE CONSIDERED EXISTING UNLESS OTHERWISE NOTED. ALL WORK INDICATED ON PLANS HAS BEEN LOCATED PER EXISTING DRAWINGS AND/OR FIELD OBSERVATION AND REQUIRES FIELD VERIFICATION.
6. ALL ITEMS INDICATED WITH CROSS-HATCHING SHALL BE REMOVED COMPLETE, WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, INSULATION, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTS.
7. ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE, WHERE DUCT OR PIPE INSULATION HAS BEEN DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR INSULATION AS REQUIRED TO MATCH EXISTING.
8. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED. ALL ITEMS REMOVED SHALL BE LEGALLY DISPOSED OF. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING RELOCATED AND OWNER PROVIDED EQUIPMENT.

DEMOLITION KEYED NOTES

1. REMOVE PORTION OF SANITARY OR VENT PIPING AS INDICATED. REMOVE PORTION OF HEAT TRACE AS REQUIRED - COORDINATE WITH ELECTRICAL TRADES.
2. REMOVE PORTION OF SANITARY PIPING AS INDICATED.
3. REMOVE PORTION OF SANITARY STACK PIPING AND DRAIN ON FIRST FLOOR AND BASEMENT. ARCHITECTURAL TRADES TO PATCH OPENING(S) TO BASEMENT. PIPES TO BE RELOCATES IN NEW WORK SCOPE.



ENLARGED BASEMENT MECHANICAL DEMOLITION PLAN - AREA 'B'
SCALE: 1/4" = 1'-0"



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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

MECHANICAL DEMOLITION
PARTIAL BASEMENT PLAN

- PRELIMINARY
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- FINAL RECORD

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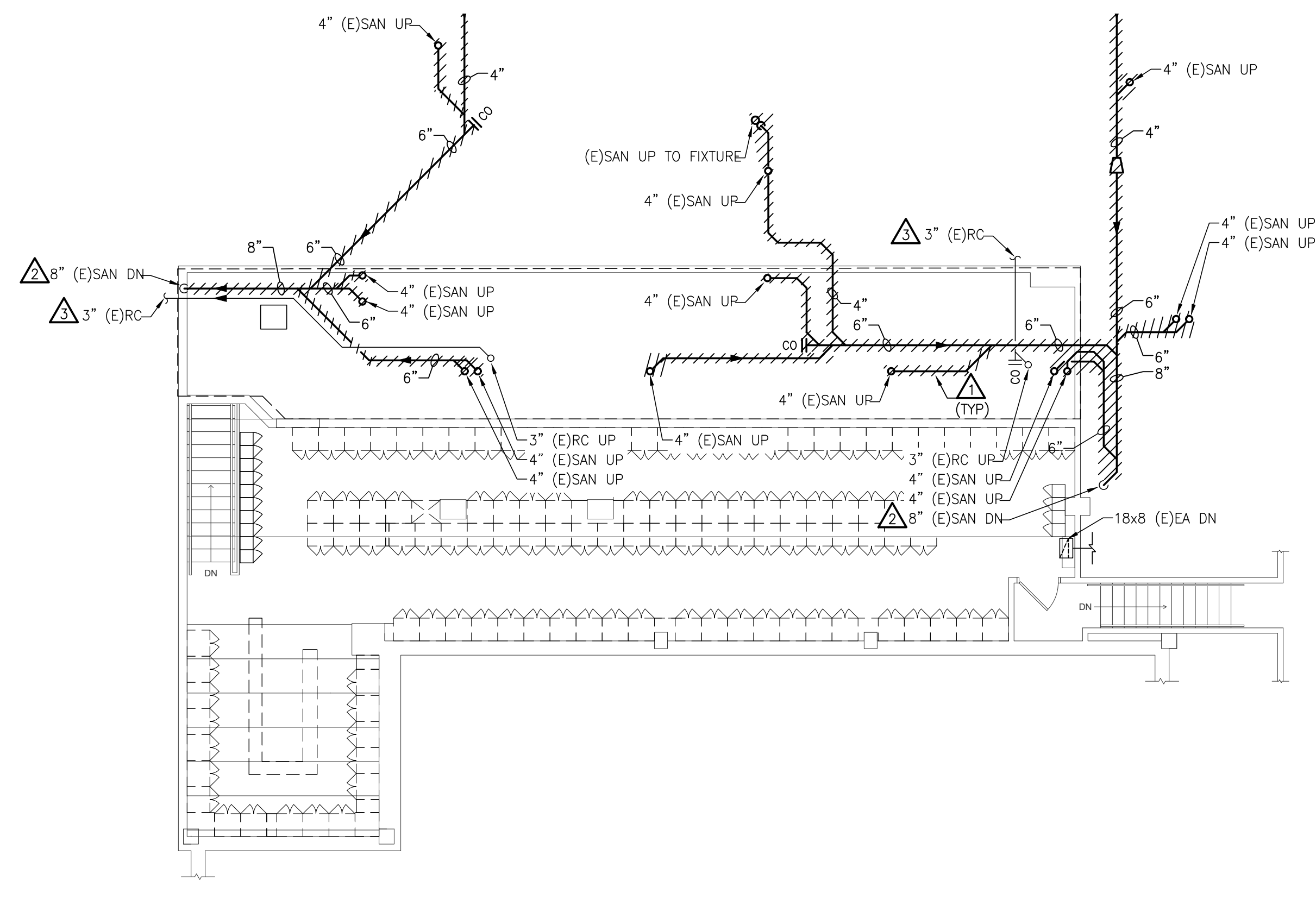
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MECHANICAL DEMOLITION NOTES

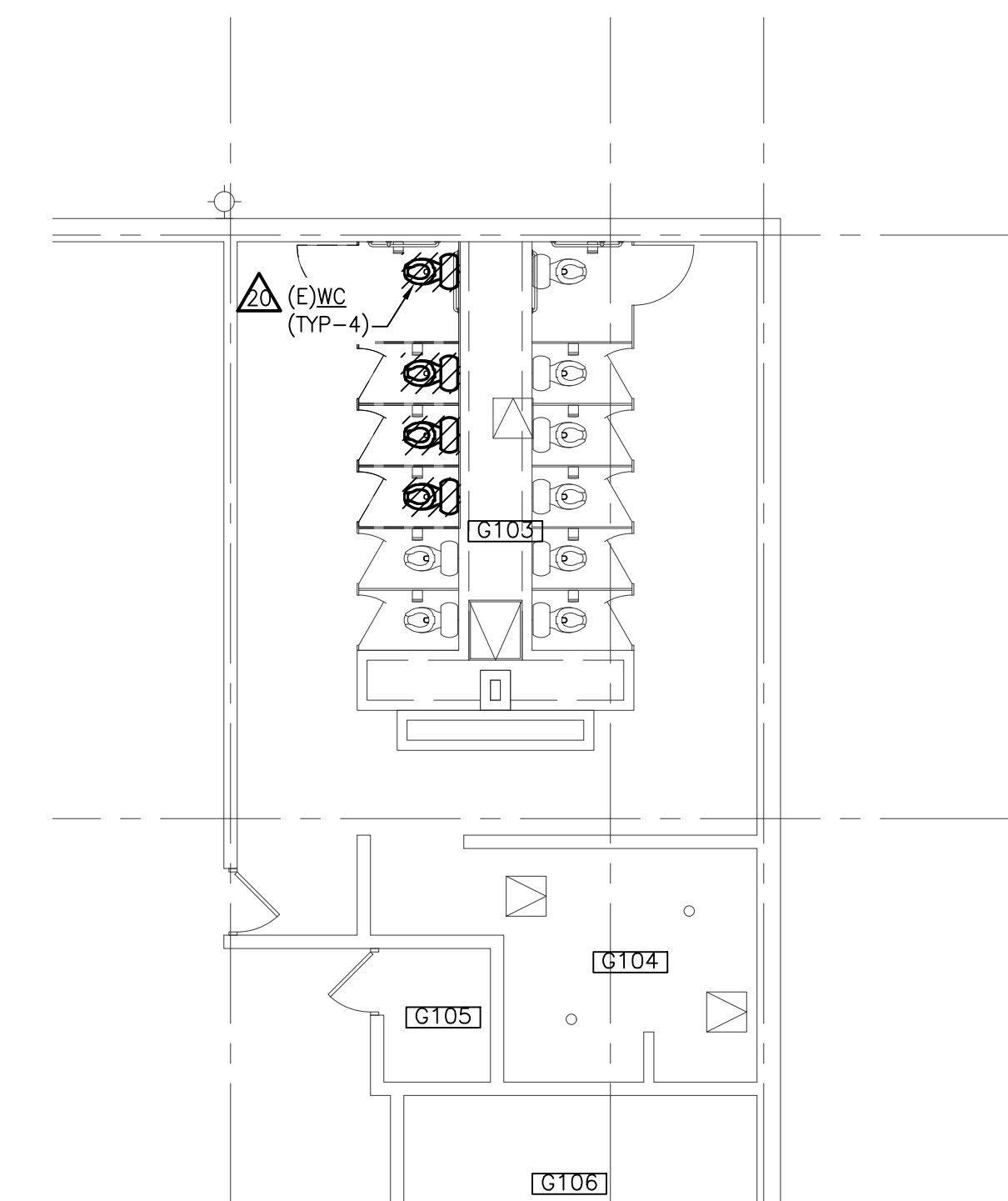
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- ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
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- ALL ITEMS INDICATED WITH CROSS-HATCHING SHALL BE REMOVED COMPLETE, WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, INSULATION, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTS.
- ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE, WHERE DUCT OR PIPE INSULATION HAS BEEN DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR INSULATION AS REQUIRED TO MATCH EXISTING.
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DEMOLITION KEYED NOTES

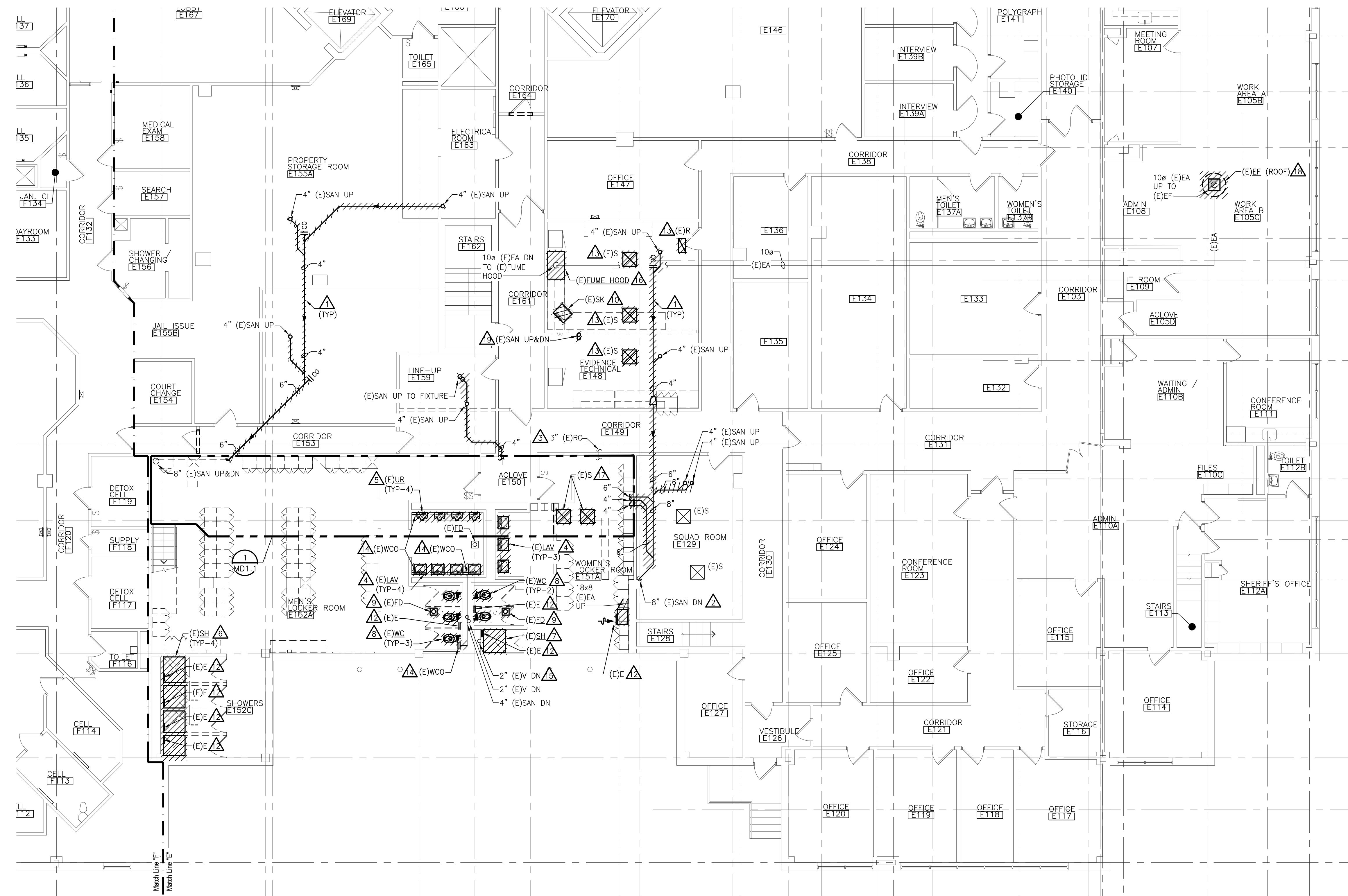
- REMOVE SANITARY PIPING AS INDICATED BACK TO SLAB PENETRATION INCLUDING ELBOWS.
- VERTICAL SANITARY PIPE THROUGH FIRST FLOOR TO REMAIN.
- EXISTING STORM PIPES TO REMAIN.
- REMOVE LAVATORY AND PREPARE PIPING FOR NEW FIXTURE IN PLACE.
- REMOVE URINAL AND PREPARE PIPING FOR NEW FIXTURE IN PLACE.
- REMOVE SHOWER AND DRAIN. PREPARE PIPING FOR NEW FIXTURE IN PLACE.
- REMOVE SHOWER. REMOVE HOT AND COLD WATER BACK TO MAIN AND CAP. REMOVE SANITARY BACK TO MAIN AND CAP.
- REMOVE WATER CLOSET. REMOVE COLD WATER PIPING BACK TO MAIN AND CAP. REMOVE SANITARY BACK TO MAIN AND CAP.
- REMOVE FLOOR DRAIN AND PREPARE PIPING FOR NEW FIXTURE IN PLACE.
- REMOVE SINK AND PIPING BACK BEHIND WALL. NEW FIXTURE TO BE PROVIDED IN NEW WORK SCOPE ON OTHER SIDE OF WALL.
- EXHAUST GRILLE TO REMAIN.
- REMOVE EXHAUST GRILLE AND PORTION OF DUCTWORK AS REQUIRED FOR NEW WORK SCOPE.
- REMOVE AND RESERVE DIFFUSER FOR RELOCATION.
- REMOVE PORTION OF SANITARY PIPE AS INDICATED.
- REMOVE PORTION OF VENT PIPE DN THRU FLOOR. PREPARE VENT PIPE IN FIRST FLOOR PLUMBING CHASE FOR CONNECTION TO NEW FIXTURE.
- REMOVE LAB FUME HOOD AND PREPARE EXISTING PIPING AND DUCTWORK FOR NEW LAB FUME HOOD IN PLACE.
- REMOVE DIFFUSER AND PREP OPENING FOR NEW DIFFUSER.
- REMOVE EXHAUST FAN AND ROOF CURB. PREPARE DUCTWORK FOR CONNECTION TO NEW EXHAUST FAN.
- REMOVE PORTION OF SANITARY STACK PIPING AND HUB DRAIN ON FIRST FLOOR AND BASEMENT. ARCHITECTURAL TRADES TO PATCH OPENING(S) TO BASEMENT. PIPE ROUTING TO BE RELOCATES IN NEW WORK SCOPE.
- REMOVE WATER CLOSET. PREP PIPING FOR RECONNECTION OF NEW WATER CLOSET IN PLACE.



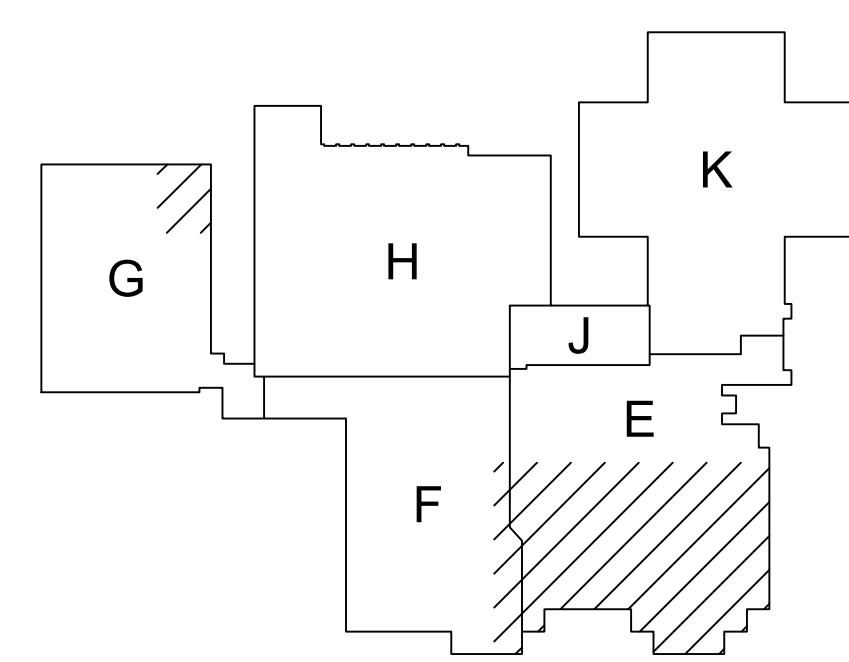
ENLARGED UPPER LEVEL MECHANICAL DEMOLITION PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"



ENLARGED FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA 'G'
SCALE: 1/8" = 1'-0"



ENLARGED FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"

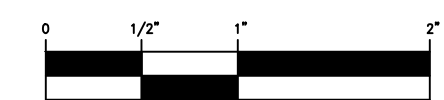


FIRST FLOOR KEY PLAN
NOT TO SCALE



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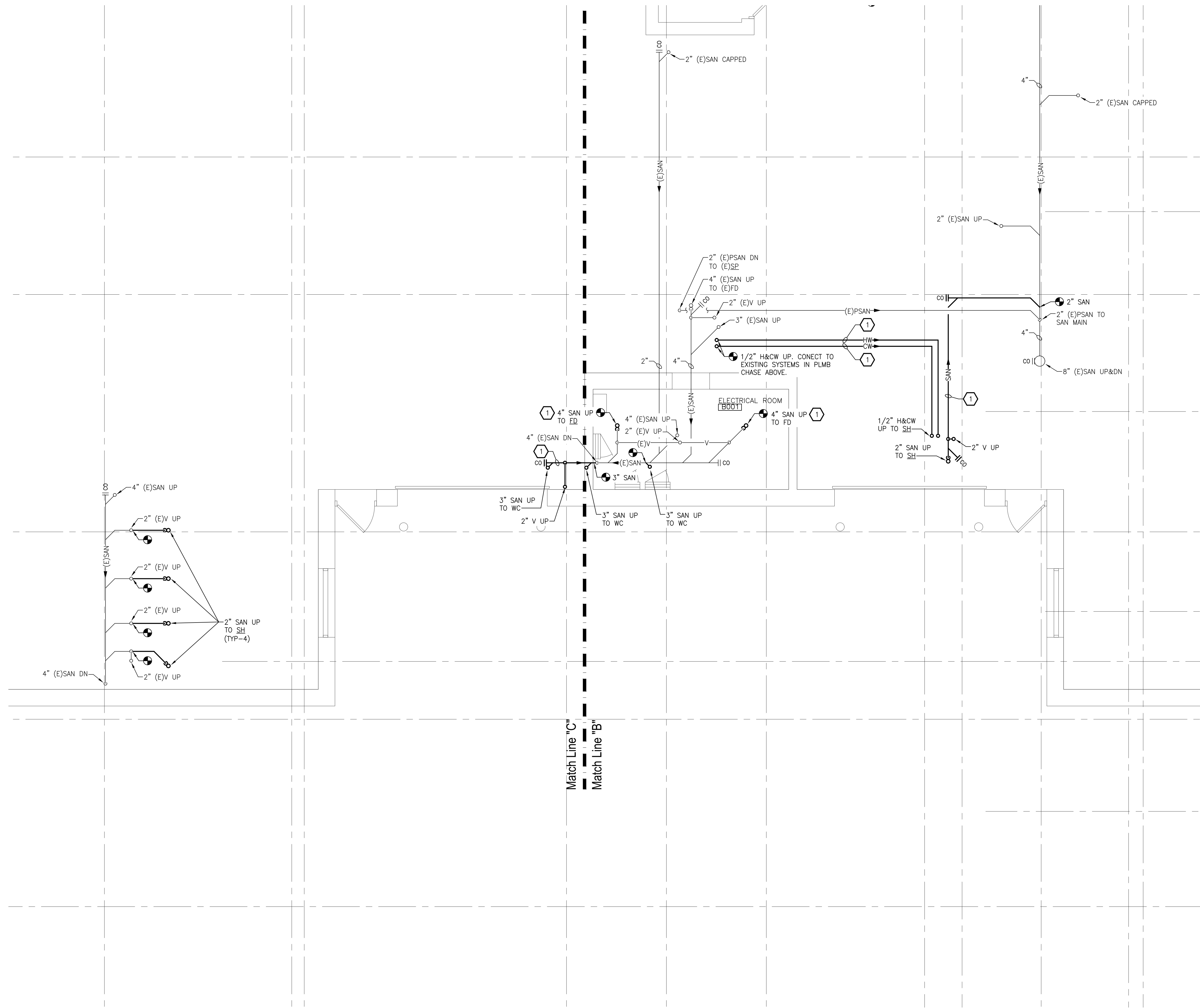
MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

PLUMBING GENERAL NOTES

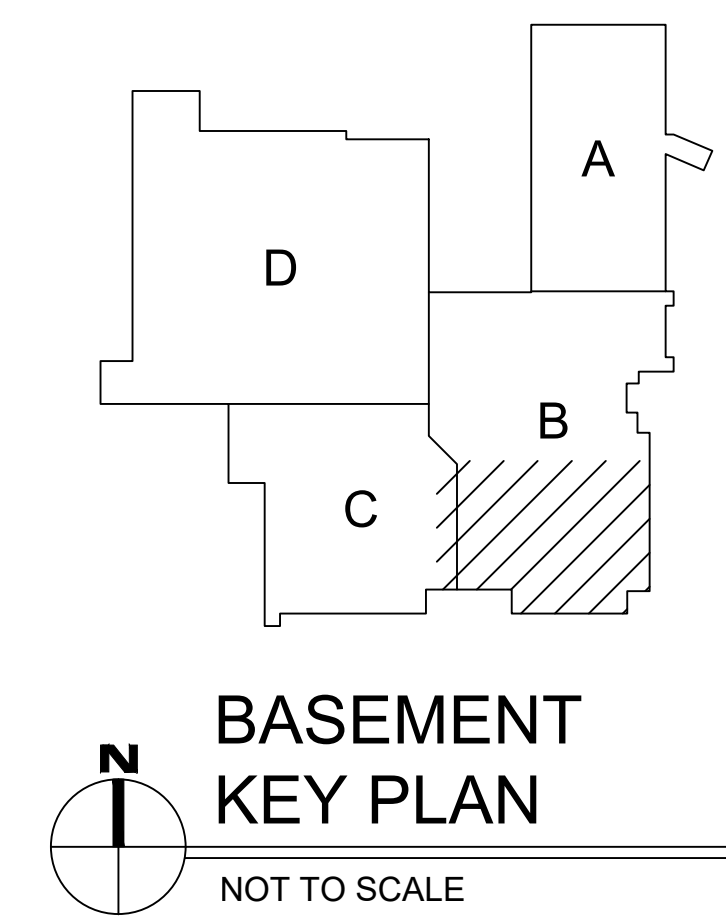
- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE PLUMBING SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING REQUIRED COMPONENTS, OFFSETS REQUIRED TO AVOID THE STRUCTURE, ETC.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL PLUMBING FIXTURES, BOTH STANDARD AND BARRIER FREE. REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE TYPES, BRANCH CONNECTION SIZES AND ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE AND LOCAL COUNTY DEPARTMENT OF HEALTH CROSS CONTAMINATION CODE REQUIREMENTS.
- VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL UTILITIES IN THE FIELD, INCLUDING POINTS OF CONNECTION, PRIOR TO STARTING ANY WORK. NOTIFY THE ARCHITECT/ENGINEER OF ANY INTERFERENCES OR DISCREPANCIES.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PLUMBING AND PIPING WORK WITH THE WORK OF ALL OTHER TRADES, EXISTING SITE CONDITIONS, AND EQUIPMENT MANUFACTURER RECOMMENDATIONS. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY NEW WORK.
- PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE AND SHALL MAINTAIN REQUIRED CLEARANCES OVER, AROUND AND IN FRONT OF ALL ELECTRICAL EQUIPMENT, PANELS, TRANSFORMERS, ETC. PIPING SHALL NOT INTERFERE WITH, OR BE INSTALLED IN A LOCATION THAT RESTRICTS ACCESS OR CLEARANCE TO ELECTRICAL OR MECHANICAL DEVICES. PROVIDE REQUIRED ACCESS AND CLEARANCE AROUND ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL MECHANICAL SYSTEMS.
- PROVIDE BRANCH LINE ISOLATION VALVES ON DOMESTIC PIPING TO EACH GROUP OF FIXTURES AND TOILET ROOMS.
- PLUMBING VENT PIPING THRU THE ROOF SHALL BE LOCATED 10'-0" FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PARAPET.
- PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR VALVES/CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS. COORDINATE LOCATIONS WITH ARCHITECT. PROVIDE CLEANOUTS AT THE BASE OF ALL STACKS.
- RUN ALL SANITARY AND STORM PIPING 2 1/2" OR LESS AT 1/4" PER FOOT AND 3" AND LARGER PIPING AT 1/8" PER FOOT MINIMUM UNLESS OTHERWISE NOTED. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".
- PROVIDE "INLINE" TRAP SEAL PROTECTION OR TRAP PRIMER ON ALL FLOOR DRAINS AND TRAPS SUBJECT TO EVAPORATION.
- AT EACH CONNECTION OF GAS SUPPLY TO EQUIPMENT, PROVIDE A PIPE UNION, GAS SHUT-OFF VALVE, TEE AND 6" LONG DIRT LEG WITH CAP. WEATHERPROOF PAINT ALL EXTERIOR GAS PIPING.
- THE CEILING SPACE IS USED AS A RETURN AIR PLENUM. NO PLASTIC MATERIALS INCLUDING PVC PIPING, CONDUIT, WIRING, ETC. SHALL BE USED. ALL MATERIAL IN THE CEILING SPACE IS TO BE PLENUM RATED.

KEYED NOTES

- DOMESTIC WATER AND SANITARY PIPING SHALL BE HEAT TRACED. HEAT TRACE SHALL BE SELF REGULATING AND TO MAINTAIN MINIMUM 40°F AT 6 WATTS/FT. PLUMBING CONTRACTOR SHALL INSULATE PIPING AFTER HEAT TRACE HAS BEEN INSTALLED AND INSPECTED, CONNECT TO EXISTING HEAT TRACE CONTROL PANEL. REFER TO HEAT TRACE PIPING DETAIL SHEET W0.1, SPECIFICATIONS, AND MANUFACTURER INSTALLATION REQUIREMENTS FOR FURTHER INFORMATION.



**ENLARGED BASEMENT MECHANICAL
NEW WORK PLAN - AREA 'B'**
SCALE: 1/4" = 1'-0"



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MECHANICAL NEW WORK
PARTIAL BASEMENT PLAN

PRELIMINARY	<input type="checkbox"/>
DESIGN DEVELOPMENT	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>
FINAL RECORD	<input type="checkbox"/>
DRAWN BY	GFB
CHECKED BY	NC5
REVISIONS	
BIDS	8/28/2022
DATE:	AUGUST 26, 2022
SHEET NO.	M1.0
JOB NO.	221958



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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
 MACOMB COUNTY JAIL

MECHANICAL NEW WORK
PARTIAL FLOOR PLAN

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: GFB
CHECKED BY: NCS

REVISIONS
BIDS: 8/28/2022

DATE: AUGUST 26, 2022
SHEET NO.

M1.1

JOB NO.
221958

HVAC GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE HVAC SYSTEMS COMPLETE PER SPECIFICATION, SMACNA STANDARDS, AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS, SPECIAL RADIUS OR MITERED ELBOWS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR STRUCTURAL CONDITIONS OR OTHER CONDITIONS.
- CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE WORK OF ALL OTHER TRADES. ALL DUCTWORK IS TO BE ROUTED AS HIGH AS POSSIBLE. PROVIDE ACCESS AROUND ALL NEW EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY WORK.
- DUCTWORK/PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE AND SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT/PANELS. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT. DUCTWORK/PIPING SHALL NOT INTERFERE WITH ELECTRICAL EQUIPMENT CLEARANCE.
- DUCTWORK/PIPING SHALL NOT BE INSTALLED IN A LOCATION THAT RESTRICTS THE ACCESS TO MECHANICAL DEVICES REQUIRING ACCESS.
- THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOWER SIZES, PAD LOCATIONS ETC. WITH ARCHITECTURAL TRADES. SEAL ALL PIPING AND DUCT PENETRATIONS.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS.
- COORDINATE AND PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR ACCESS TO BALANCING DAMPERS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- BRANCH DUCTWORK TO GRILLES, REGISTERS AND DIFFUSERS SHALL BE THE SAME SIZE AS THE GRILLE, REGISTER OR DIFFUSER NECK SIZE WHERE NO DUCT SIZE IS INDICATED ON PLAN.
- MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 5'-0".
- FOR EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO PIPING DIAGRAMS AND DETAILS.
- PAINT ALL VISIBLE INTERIOR SURFACES OF EXHAUST/RETURN GRILLES, REGISTERS AND VISIBLE ASSOCIATED DUCTWORK FLAT BLACK.
- THE CEILING SPACE IS USED AS A RETURN AIR PLENUM. NO PLASTIC MATERIALS INCLUDING PVC PIPING, CONDUIT, WIRING, ETC. SHALL BE USED. ALL MATERIAL IN THE CEILING SPACE IS TO BE PLENUM RATED.
- PROVIDE CODE REQUIRED CLEARANCE/ACCESS DOORS FOR DAMPERS, VALVES, AND CLEANOUTS LOCATED IN WALLS OR ABOVE HARD CEILINGS. COORDINATE LOCATIONS WITH ARCHITECT. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPES.
- CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.

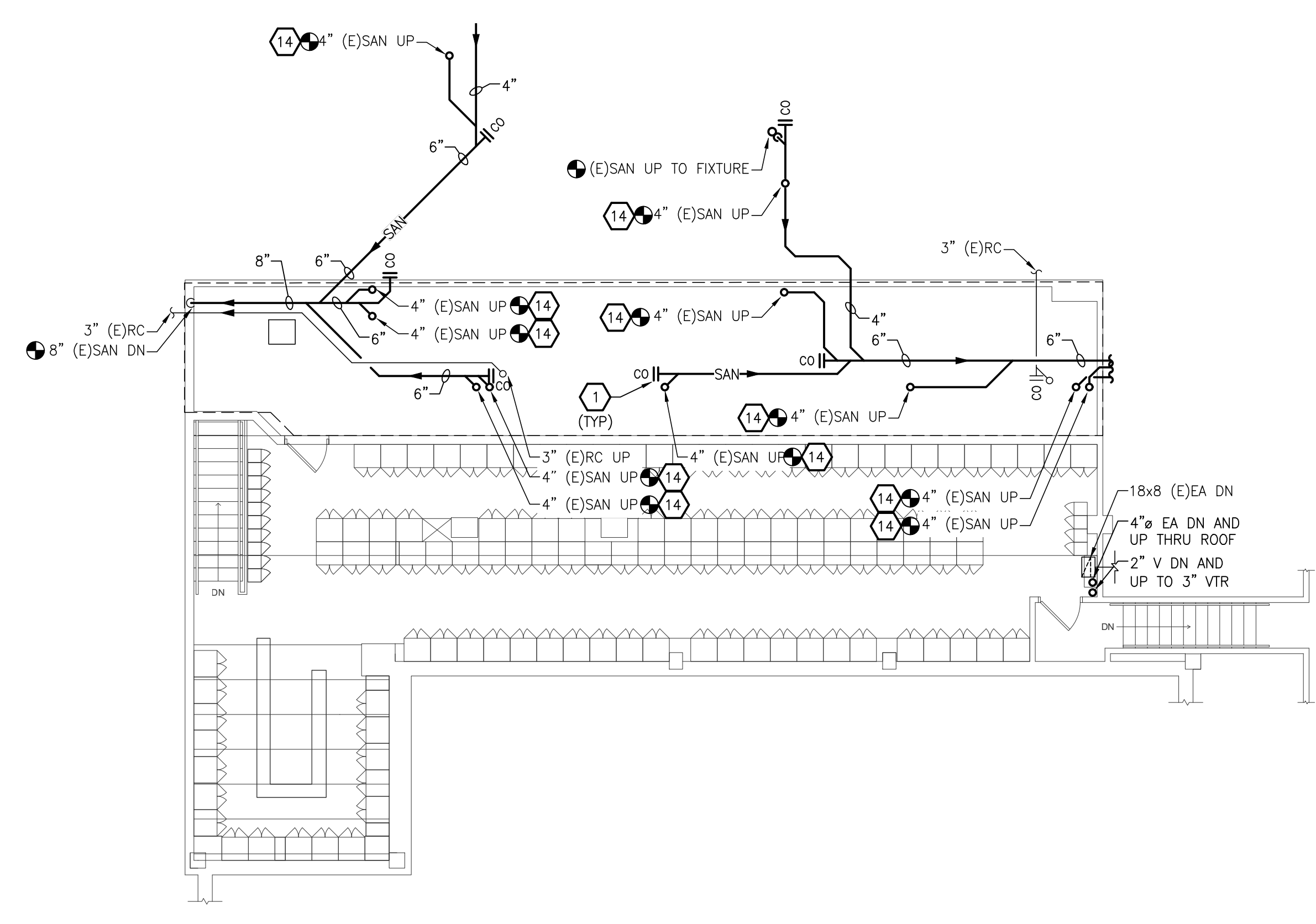
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- PROVIDE "NLINE" TRAP SEAL PROTECTION OR TRAP PRIMER ON ALL FLOOR DRAINS AND TRAPS SUBJECT TO EVAPORATION.
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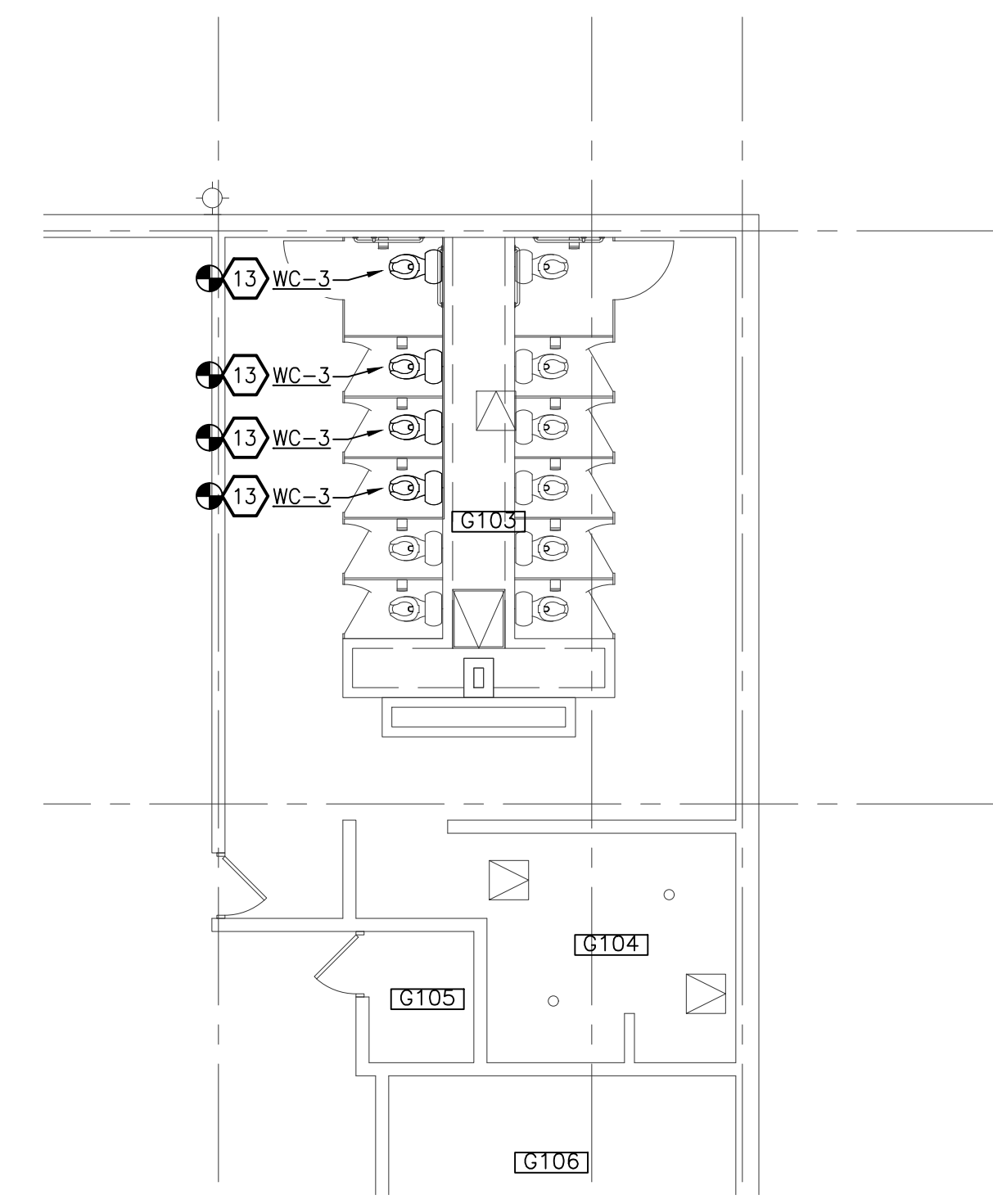
KEYED NOTES

- NEW SANITARY PIPING. INSTALL IN LOCATION OF EXISTING. CONFIRM ALL PIPE SIZES IN FIELD PRIOR TO INSTALLATION.
- CONNECT NEW PLUMBING FIXTURE TO EXISTING UTILITIES. PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVE ON LAVATORIES.
- EXTEND CW HEADER FOR NEW FIXTURES.
- ROUTE 1" CW AND 3" SAN TO FLOOR-MOUNTED WATER CLOSET.
- ROUTE 1" CW, 2" V, AND 4" SAN TO BACK-DISCHARGE WATER CLOSET.
- EXTEND AND PROVIDE NEW CLEAN OUT.
- CONNECT V PIPING TO EXISTING V PIPE.
- ROUTE 1/2" H&CW, 1-1/2" V, AND 1-1/2" SAN TO SINK FROM EXISTING UTILITIES IN ADJACENT WALL.
- CONNECT NEW GRILLE TO EXISTING SYSTEM. BALANCE TO CFM INDICATED.
- NEW FUME HOOD (REFER TO SPECIFICATIONS) - CONNECT NEW LAB FUME HOOD TO EXISTING PIPING AND DUCTWORK. PROVIDE ACID DILUTION TRAP (MFR: ZURN, MODEL: Z9A-PHX) FOR THE CUP SINK IN THE FUME HOOD.
- MODIFY EXISTING ROOF OPENING AS REQUIRED FOR NEW ROOF CURB.
- PROVIDE CLEAN OUT AT PIPE OFFSET(S) IN CEILING AND BEFORE FLOOR PENETRATION. INSTALL HUB DRAIN BELOW COUNTER AND MAKE ACCESSIBLE. FIELD VERIFY PIPE SIZES.
- CONNECT NEW WATER CLOSET AND FLUSH VALVE TO EXISTING SERVICES. REUSE EXISTING CARRIER. FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, ETC. PRIOR TO ORDERING FIXTURES.
- PROVIDE NEW LONG SWEEPING ELBOW AT BASE OF SANITARY RISER.

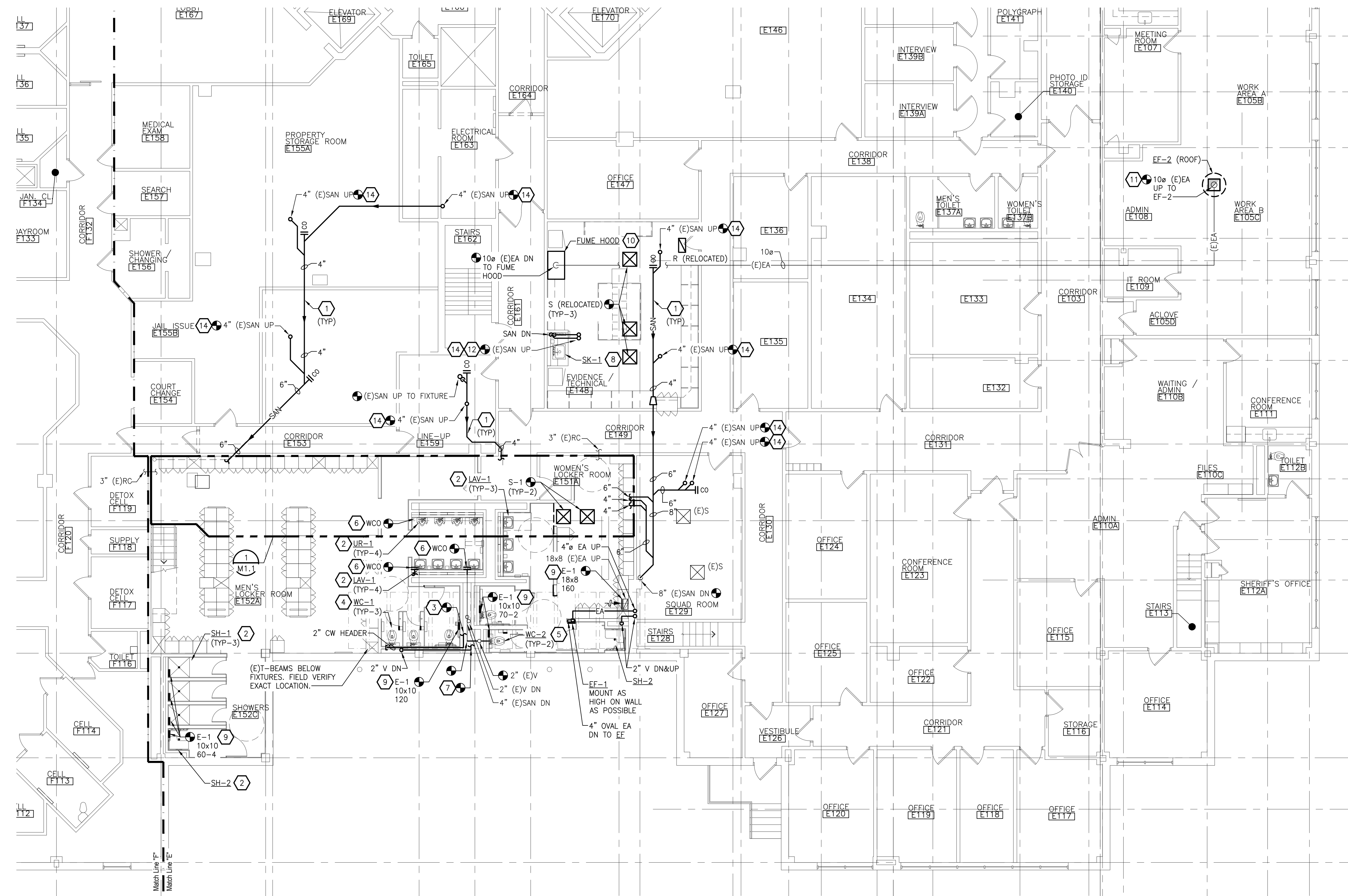
CONTRACTOR TO PROVIDE LONG SWEEPING ELBOWS AT ALL 90 DEGREE SANITARY ELBOWS/CONNECTIONS. SHORT RADIUS CONNECTIONS ARE NOT ALLOWED.



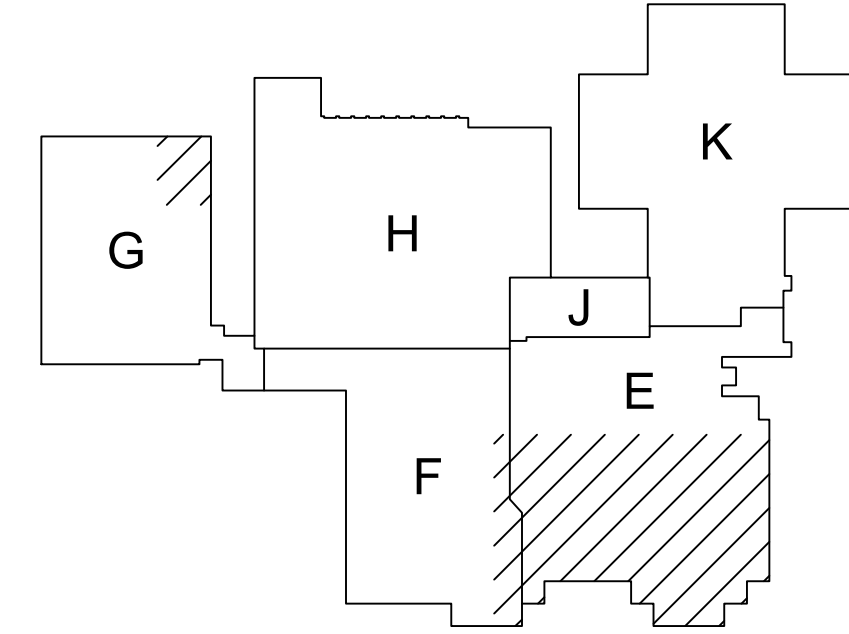
ENLARGED UPPER LEVEL MECHANICAL NEW WORK PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"



ENLARGED FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA 'G'
SCALE: 1/8" = 1'-0"



ENLARGED FIRST FLOOR MECHANICAL NEW WORK PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN
NOT TO SCALE

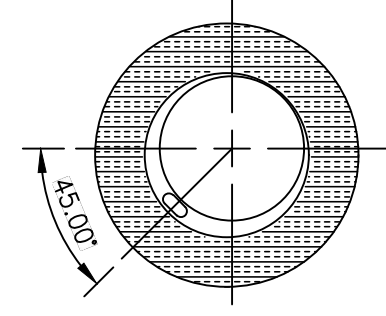


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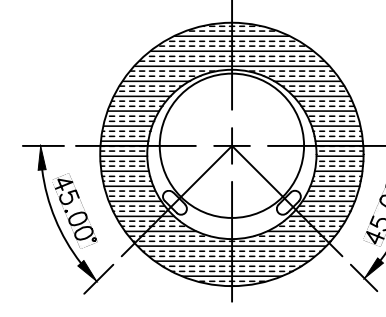
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1" = 1'-0"
ALL DIMENSIONS UNLESS OTHERWISE NOTED

ONE (1) HEATING CABLE INSTALLATION



TWO (2) HEATING CABLE INSTALLATION

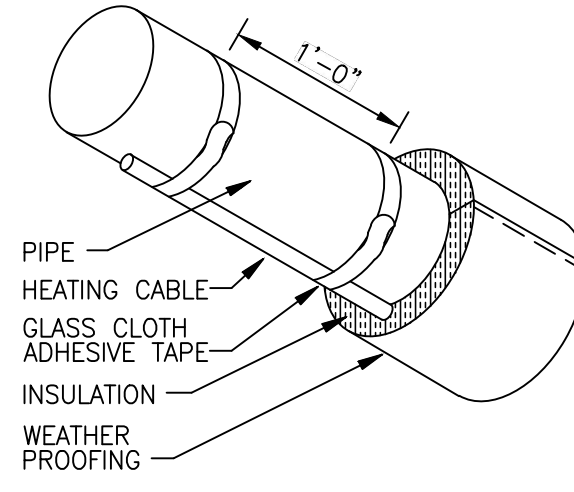


GENERAL NOTES:

- INSULATE, JACKET, AND LABEL PIPING.
- REFER TO MANUFACTURER INSTALLATION REQUIREMENTS FOR THE FOLLOWING, BUT NOT LIMITED TO:
 - WALL AND FLOOR PENETRATIONS
 - INSTALLING HEATING CABLE OVER FITTINGS, EQUIPMENT, AND HANGERS
 - CABLE TIES
 - BENDING / CROSSING / CUTTING THE HEATING CABLE
 - WRAPPING THE HEAT SINKS.
 - CONNECTION KITS AND ACCESSORIES
- COMBINING PIPE SYSTEMS TO ONE (1) HEATING CABLE SHALL NOT BE PERMITTED.
- MANUFACTURER TO SPECIFY ONE (1) VS. TWO (2) HEATING CABLE INSTALLATION, COORDINATE WITH MANUFACTURER AND ELECTRICAL CONTRACTOR.

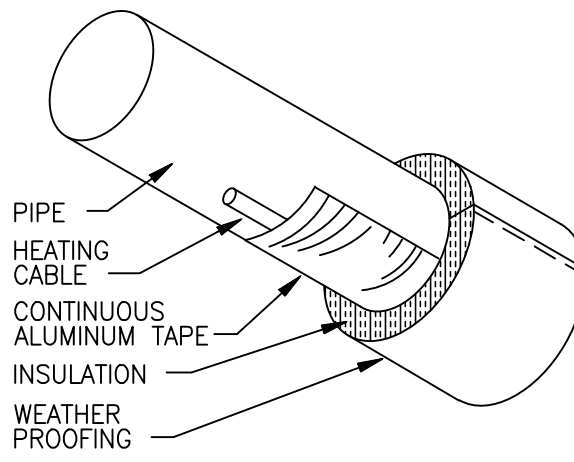
GLASS CLOTH ADHESIVE TAPE

- GT-88 GENERAL-PURPOSE TAPE FOR INSTALLATION AT 40°F AND ABOVE. APPLY AT 1-FOOT INTERVALS.
- GS-54 GENERAL-PURPOSE TAPE FOR INSTALLATION BELOW 40°F. APPLY AT 1-FOOT INTERVALS.

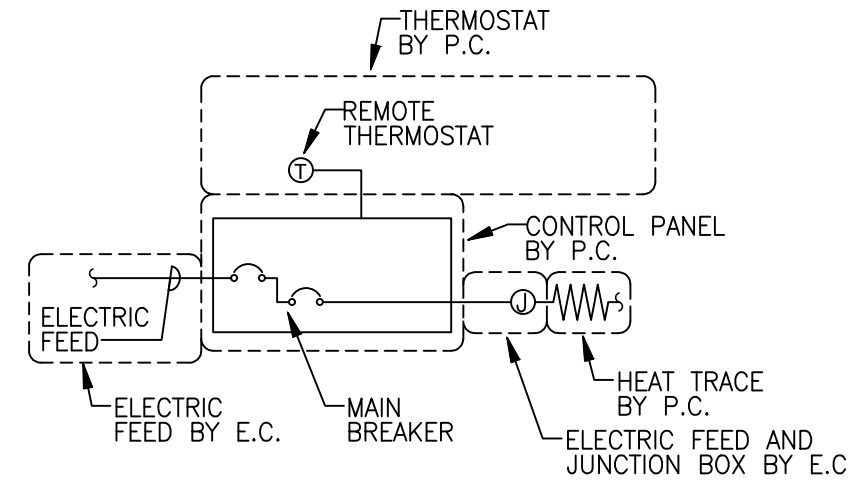


AT-180 ALUMINUM TAPE

- REQUIRED FOR PLASTIC PIPE APPLICATIONS TO ENSURE PROPER POWER OUTPUT OF HEATING CABLE.
- TAPE LENGTHWISE OVER THE HEATING CABLE AS REQUIRED BY THE DESIGN DRAWING OR SPECIFICATION.
- RECOMMENDED FOR HEAT-TRACING PUMP BODIES OR ODD-SHAPED EQUIPMENT OR AS CALLED OUT IN THE DESIGN DRAWING AS A HEAT-TRANSFER AD.
- INSTALL AT TEMPERATURES ABOVE 32°F.

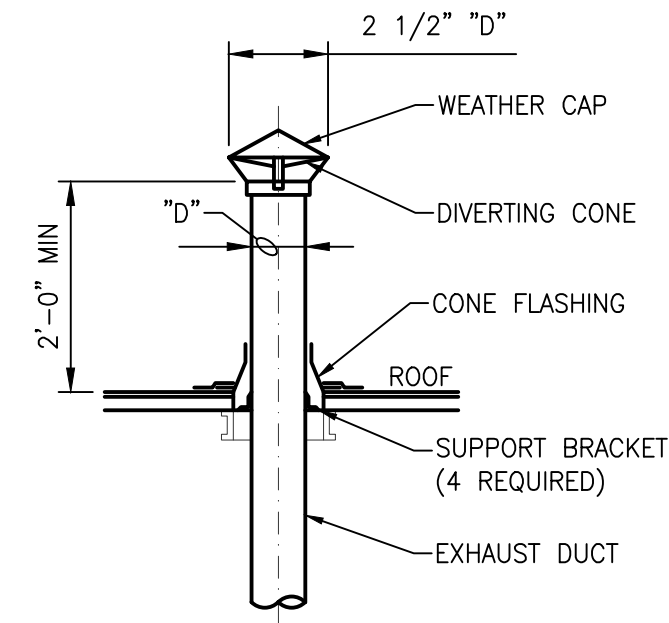


DESIGNATION OF RESPONSIBILITIES:



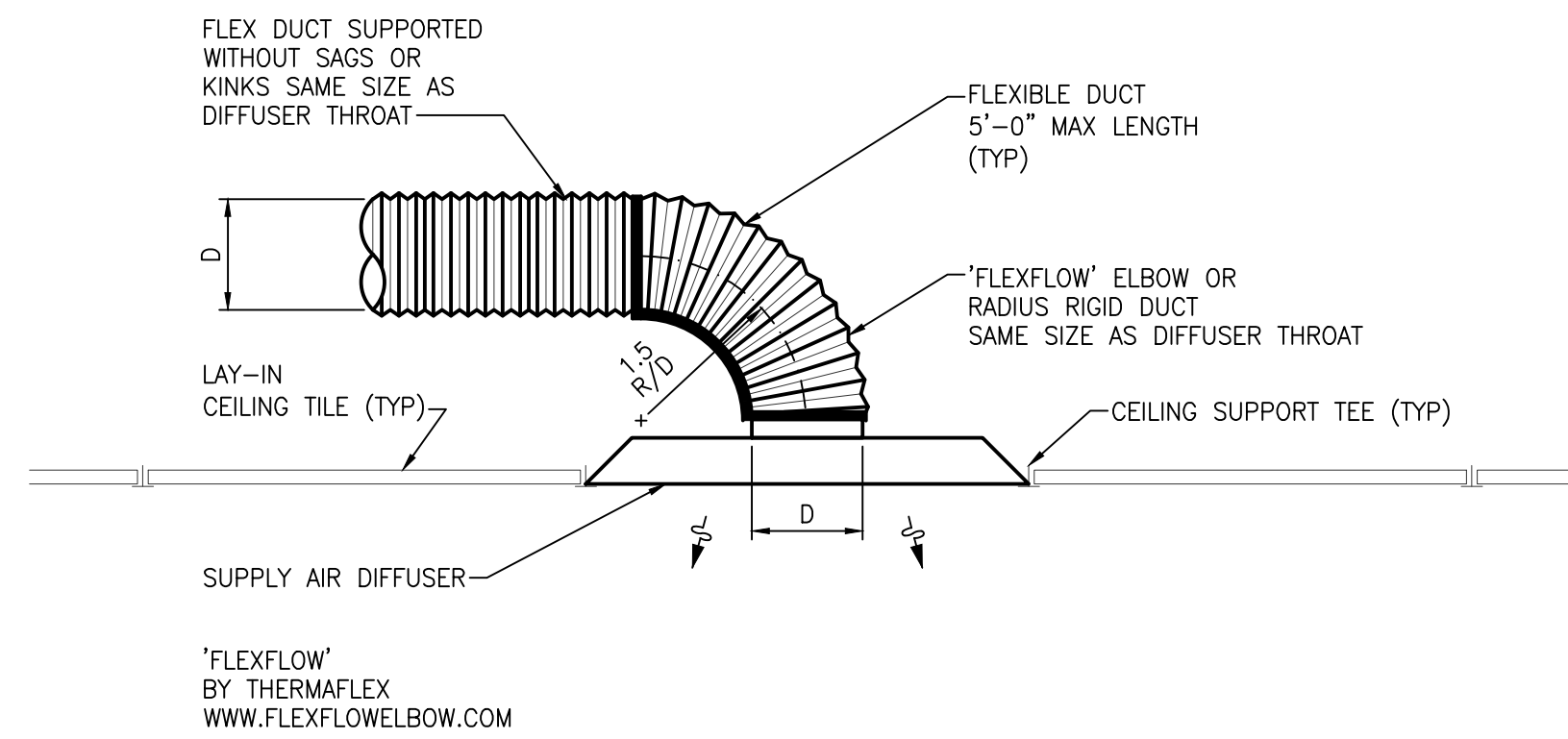
HEAT TRACE PIPING DETAIL

NO SCALE



EXHAUST DUCT THRU ROOF DETAIL

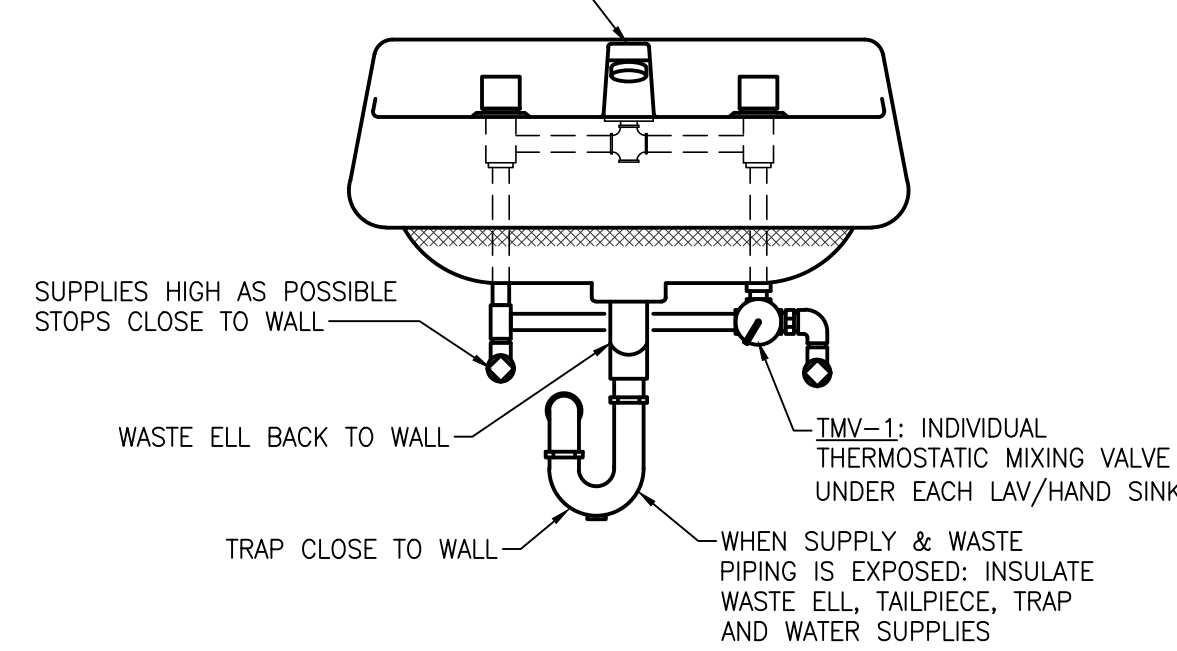
NO SCALE



SUPPLY AIR DIFFUSER DETAIL

NO SCALE

LAV/HAND SINK AND FAUCET AS SPECIFIED PER PLUMBING FIXTURE SCHEDULE AND F.S.E.C. DRAWINGS



LAVATORY / HAND SINK MIXING VALVE DETAIL

NO SCALE

PLUMBING FIXTURE SCHEDULE

TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
AAV-1	-	AIR ADMITTANCE VALVE	-	1-1/2" - 2"	-	-	SILOUX CHIEF TURBOVENT SERIES 696	PROVIDE WITH VENTED ACCESS BOX WHERE INSTALLED IN WALL; PROVIDE FIRE RATED ACCESS BOX IN FIRE RATED WALLS
FD-1	-	FLOOR DRAIN - GENERAL	4"	2"	-	-	JR SMITH: 2005Y	6" ROUND TOP WITH ADJUSTABLE NICKEL BRONZE STRAINER.
LAV-1	Y	LAVATORY - WALL MOUNTED	1-1/2"	1-1/2"	1/2"	1/2"	KOHLER: K-2005 WITH DELTA 21C424-TI FAUCET	VITREOUS CHINA WALL HUNG WITH FRONT OVERFLOW; FAUCET SHALL HAVE ADA LEVER HANDLES AND VANDAL RESISTANT LAMINAR OUTLET WITH 0.5 GPM MAX FLOW RATE. PROVIDE WITH ASSE 1070 MIXING VALVE.
SH-1	Y	SHOWER	2"	1-1/2"	1/2"	1/2"	BASE BY ARCHITECT, WITH DELTA T13H332-25 SHOWER TRIM AND R10000-UNWS VALVE	SHOWER BASE WITH CENTER DRAIN FOR TILE-DOWN APPLICATION, 1/2" THRESHOLD; WITH 1.5 GPM SHOWER HEAD, ARM AND FLANGE, DIVERTER FOR DUAL SHOWERS, AND HANDHELD WAND WITH STAINLESS STEEL HOSE AND 36" SLIDE/GRAB BAR. PRESSURE BALANCED MIXING VALVE SHALL MEET ASSE 1016 AND HAVE UNIVERSAL INLETS/OUTLETS AND SUPPLY STOPS.
SH-2	Y	SHOWER	2"	1-1/2"	1/2"	1/2"	ADA SHOWER BASE BY ARCHITECT, WITH DELTA T13H332-25 SHOWER TRIM AND R10000-UNWS VALVE	ADA SHOWER BASE WITH CENTER DRAIN FOR TILE-DOWN APPLICATION, 1/2" THRESHOLD; WITH 1.5 GPM SHOWER HEAD, ARM AND FLANGE, DIVERTER FOR DUAL SHOWERS, AND HANDHELD WAND WITH STAINLESS STEEL HOSE AND 36" SLIDE/GRAB BAR. PRESSURE BALANCED MIXING VALVE SHALL MEET ASSE 1016 AND HAVE UNIVERSAL INLETS/OUTLETS AND SUPPLY STOPS.
SK-1	Y	SINK - INTEGRAL WITH COUNTER	1-1/2"	1-1/2"	1/2"	1/2"	EPOXY INTEGRAL WITH COUNTER. PROVIDE FAUCET: DELTA 26C3924-R7	FAUCET SHALL BE 9" GOOSENECK WITH WRAISTBLADE HANDLES, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW OUTLET. PROVIDE WITH ASSE 1070 MIXING VALVE FOR ADA UNITS.
WC-1	Y	WATER CLOSET - SIPHONIC FLUSH VALVE, FLOOR MOUNTED, DOWN DISCHARGE, ELONGATED BOWL	3"	2"	1"	-	KOHLER: K-96057-SS WITH SLOAN ROYAL 111	ADA, VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, TOP SPUD, ANTIMICROBIAL FINISH; PROVIDE WITH OPEN ELONGATED FRONT SEAT; DIAPHRAGM-TYPE, MANUAL FLUSH VALVE, 1.6 GPF
WC-2	Y	WATER CLOSET - SIPHONIC FLUSH VALVE, FLOOR MOUNTED, BACK DISCHARGE, ELONGATED BOWL	4"	2"	1"	-	KOHLER: K-4352-SS WITH SLOAN ROYAL 111	ADA, VITREOUS CHINA, FLOOR MOUNTED, 12" ROUGH IN, ELONGATED BOWL, TOP SPUD, ANTIMICROBIAL FINISH; PROVIDE WITH ELONGATED OPEN FRONT SEAT; DIAPHRAGM-TYPE, MANUAL FLUSH VALVE, 1.6 GPF
WC-3	Y	WATER CLOSET - SIPHONIC FLUSH VALVE, WALL MOUNTED, ELONGATED BOWL	4"	2"	1"	-	KOHLER: K-84325-SS WITH SLOAN ROYAL 111	ADA, VITREOUS CHINA, FLOOR MOUNTED, 12" ROUGH IN, ELONGATED BOWL, TOP SPUD, ANTIMICROBIAL FINISH; PROVIDE WITH ELONGATED OPEN FRONT SEAT; DIAPHRAGM-TYPE, MANUAL FLUSH VALVE, 1.6 GPF
UR-1	Y	URINAL - WALL MOUNTED	2"	1-1/2"	3/4"	-	KOHLER: K-4991-ET WITH SLOAN ROYAL 186	ADA, VITREOUS CHINA, WALL MOUNTED, TOP SPUD; DIAPHRAGM-TYPE, MANUL FLUSH VALVE, 1.0 GPF

NOTES:

- PROVIDE ALL SLEEVES, TEMPLATES, HARDWARE, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION. VERIFY ALL COLORS AND FINISHES WITH ARCHITECT AND REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL FIXTURES.
- PROVIDE CARRIERS FOR ALL APPLICABLE FIXTURES PER MANUFACTURER'S RECOMMENDATIONS. CONCEALED ARM CARRIERS REQUIRED FOR SINGLE STATION LAVATORIES. PROVIDE ALL CARRIERS WITH FOOT SUPPORTS.
- WHERE REQUIRED AND/OR DESIGNATED, FIXTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE'S BARRIER FREE DESIGN REQUIREMENTS & ICC/ANSI A117.1. ALL EXPOSED LAVATORY AND SINK TRIM ON WHEELCHAIR ACCESSIBLE FIXTURES SHALL BE COVERED WITH A SEAMLESS ANTIMICROBIAL VINYL INSULATING OUTER SHELL.
- PROVIDE ASSE 1072 BARRIER-TYPE INLINE TRAP SEAL DEVICES FOR EACH FLOOR DRAIN AND FLOOR SINK AND TRAP SUBJECT TO EVAPORATION LOSS.
- PROVIDE COMMERCIAL GRADE SUPPLIES TO SINKS AND LAVATORIES WITH CHROME PLATED BRASS LOOSE KEY ANGLE STOPS WITH BRASS STEMS (NO PLASTIC STEMS), WHERE APPLICABLE PROVIDE ESCUTCHEON PLATE.
- PROVIDE POINT OF USE THERMOSTATIC MIXING VALVES, ASSE 1070, FOR ALL ADA SINKS AND HANDWASHING SINKS.

EXHAUST FAN SCHEDULE

UNIT ID	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WG)	FAN (RPM)	MOTOR				ELECTRICAL		DISCONNECT			STARTER		CURB HEIGHT (IN)	MANUFACTURER/ MODEL NO.	REMARKS	
						BHP	HP	RPM	DRIVE TYPE	VOLTS	PHASE	FURN. BY	INST. BY	TYPE	TYPE	FURN. BY				INST. BY
EF-1	WOMEN'S LOCKERROOM SHOWER	WALL MOUNTED	50	0.35	-	-	-	-	ECM	120	1	E.C.	E.C.	PLUG	PLUG	E.C.	E.C.	-	PANASONIC FV-0510VS1	CONTINUOUS OPERATION BUILT IN BACKDRAFT DAMPER.
EF-2	LAB FUME HOOD	HIGH-PLUME ROOF MOUNTED	485	0.73	2356	0.42	3/4	1725	BELT	120	1	E.C.	E.C.	SWITCH	SWITCH	E.C.	E.C.	12	GREENHECK VEKTO-H-9	INTERLOCK WITH LAB FUME HOOD. FAN ASSEMBLY WEIGHT: 300 LBS. ROOF CURB WEIGHT: 60 LBS. BYPASS AIR PLENUM: NO PLENUM ARRANGEMENT: INLINE

GRILLE, REGISTER AND DIFFUSER SCHEDULE

UNIT ID	FACE SIZE	NECK SIZE	MOUNTING	ACCESSORY	FINISH	MATERIAL	MFR/ MODEL NO.	REMARKS
S-1	24x24	VERIFY EXISTING DUCT CONNECTION	CEILING	-	WHITE	STEEL	PRICE PDN	
R-1	24x12	22x10	CEILING	-	WHITE	STEEL	PRICE PDOR	PROVIDE WITH PRICE RETURN AIR CANOPY
E-1	NECK+2	SEE PLANS	SIDEWALL	OPPOSED BLADE DAMP.	WHITE	ALUMINUM	PRICE 10	

NOTES:

- REFER TO ARCHITECTURAL CEILING PLAN AND COORDINATE FRAME TYPE ACCORDINGLY.



WAKELY ASSOCIATES, INC. ARCHITECTS

30500 VAN DYKE AVENUE SUITE 209 WARREN, MICHIGAN 48093 PH: 586.573.4100 FX: 586.573.0822 www.WakeleyAIA.com

MACOMB COUNTY EXECUTIVE VARIOUS PROJECTS PROPOSAL A, B AND C MACOMB COUNTY JAIL

MECHANICAL SCHEDULES AND DETAILS

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: GFB CHECKED BY: NCS

REVISIONS: BIDS 8/28/2022

DATE: AUGUST 26, 2022 SHEET NO.

M2.1

JOB NO. 221958



Strategic Energy Solutions® 4000 W. Eleven Mile Road Berkley, MI 48072 Phone 248.399.1900 Fax 248.399.1901 www.sesnet.com

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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

LUMINAIRE SCHEDULE											
TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LIGHT ENGINE	WATTAGE	VOLTAGE	REMARKS	MANUFACTURER #2	MODEL NUMBER #2	MANUFACTURER #3	MODEL NUMBER #3
L1	4' LINEAR PENDANT, 0-10 VOLT DIMMING	LITHONIA LIGHTING	ZL1N L48 SMR 5000L FST MVOLT 4000K 80CRI WH	LED, 5000L, 4000K	34	120/277	SUSPEND WITH ADJUSTABLE AIR-CRAFT CABLE. MOUNT FIXTURES TO MATCH EXISTING FIXTURE HEIGHT	METALUX		COLUMBIA	
L2	2'x4' CORRECTIONAL INDOOR RECESSED MOUNTED LUMINAIRE, 0-10 VOLT DIMMING	KENALL	MIGHTY MAC - RMCD 4 FIY 4 67L40 DCC DV 8 1	LED, 5000L, 4000K	74	120/277	NEW FIXTURES TO REPLACE EXISTING FLUORESCENT FIXTURES. CONTRACTOR TO FIELD VERIFY EXISTING FIXTURE OPENING AND FLANGE TYPE. NEW FLANGE TO MATCH EXISTING. FINAL COLOR TEMPERATURE TO BE SELECTED AT TIME OF SHOP DRAWING REVIEW.	KURTZON		NEW STAR	
L2A	1'x2' CORRECTIONAL INDOOR RECESSED MOUNTED LUMINAIRE, 0-10 VOLT DIMMING	NEW STAR	37M12 DK FJ L2 40 1 0 5 UNDB PF	LED, 4000L, 4000K	38	120/277	NEW FIXTURES TO REPLACE EXISTING FLUORESCENT FIXTURES. CONTRACTOR TO FIELD VERIFY EXISTING FIXTURE OPENING AND FLANGE TYPE. NEW FLANGE TO MATCH EXISTING. FINAL COLOR TEMPERATURE TO BE SELECTED AT TIME OF SHOP DRAWING REVIEW.	ENGINEER APPROVED			
L3	16" ROUND LOW PROFILE ROUGH SERVICE LUMINAIRE FOR SHOWER	KENALL	ROUGH HOUSE - RHR15D W PP 15L40K DV PH	LED, 1500L, 4000K	19	120/277		ENGINEER APPROVED			
L4	CEILING MOUNTED EXAM LIGHT	WALDMANN	VISIANO 20-2 CT1 D15584000	LED, 2000L, 4500K	21	120/277		ENGINEER APPROVED			

LIGHTING SCHEDULE AND CONTROLS MATRIX

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: PA
CHECKED BY: PA

REVISIONS
BIDS: 8/26/2022

DATE: AUGUST 26, 2022
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E0.1

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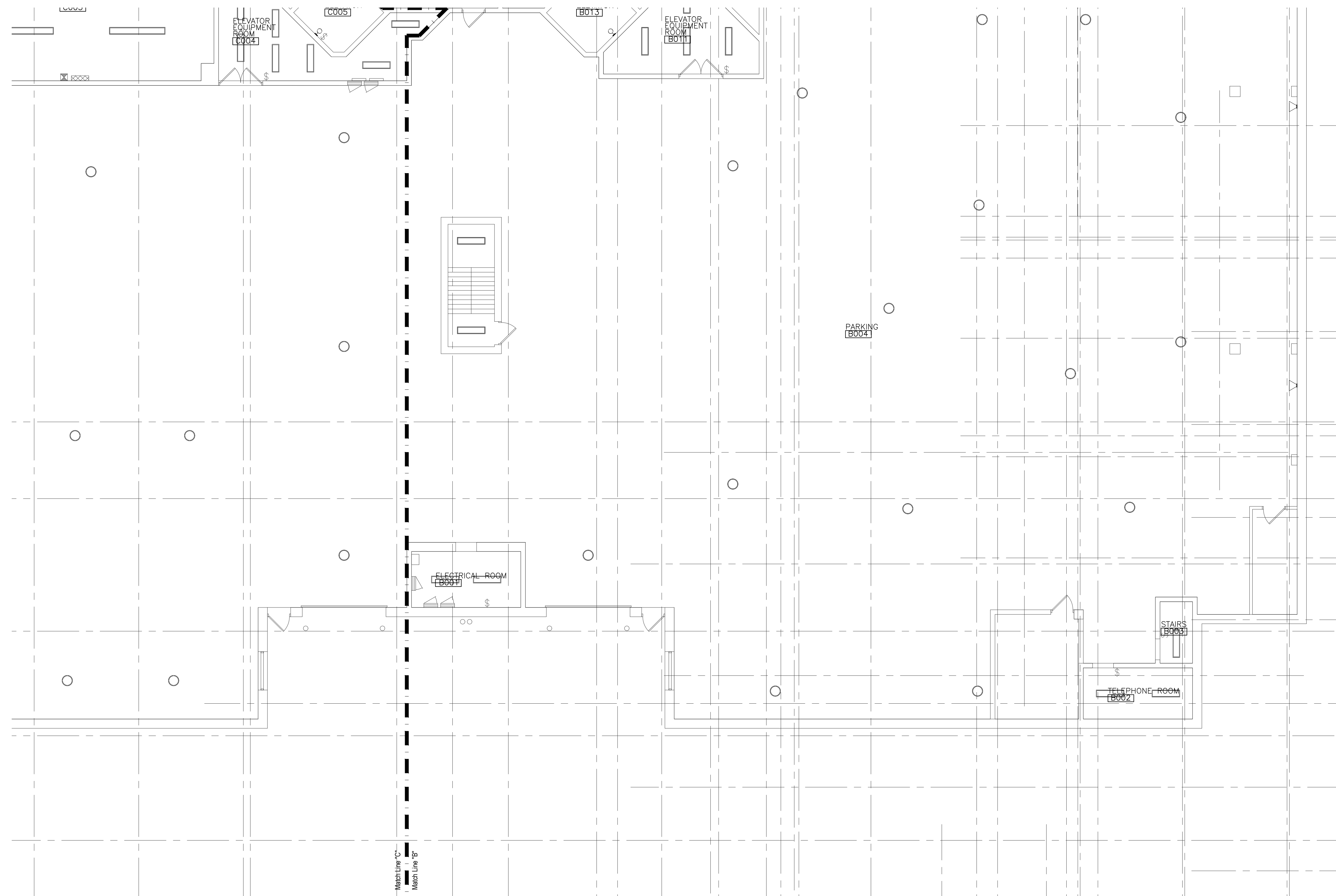
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ELECTRICAL DEMOLITION NOTES

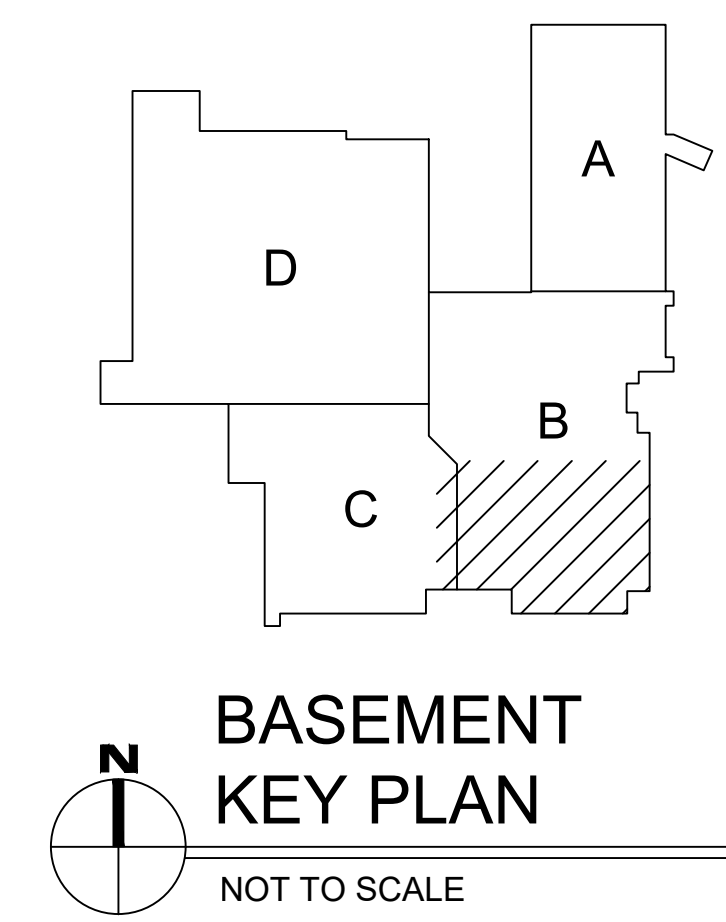
1. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION WORK.
2. EXAMINE THE DRAWINGS OF OTHER TRADES, BE FAMILIAR WITH THE DEMOLITION REQUIRED BY OTHER TRADES.
3. PERFORM ALL INCIDENTAL ELECTRICAL DEMOLITION AND/OR RELOCATION OF DEVICES AND EQUIPMENT REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES.
4. COORDINATE WITH NEW WORK PLANS, ONE LINE, AND RISER DIAGRAMS FOR EXTENT OF DEMOLITION WORK.
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6. REMOVE ALL CONDUIT AND WIRE BACK TO NEAREST UPSTREAM DEVICE REMAINING IN SERVICE.
7. WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM DEVICES TO REMAIN, EXTEND CONDUIT AND WIRE AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE.
8. PROVIDE BLANK COVER PLATES WHERE SWITCHES AND DEVICES ARE REMOVED AND WALL REMAINS INTACT. MARK ALL UNUSED CIRCUIT BREAKERS AS "SPARE".
9. CONTRACTOR TO TAG ALL CIRCUITS AT BOTH ENDS AFFECTED BY THIS SCOPE OF WORK.
10. CONTRACTOR SHALL PROVIDE UPDATED, TYPED-IN DIRECTORIES FOR ALL PANELS AFFECTED BY THIS SCOPE OF WORK.
11. CONTRACTOR SHALL VERIFY ALL UNDERGROUND AND IN-SLAB UTILITIES LOCATIONS PRIOR TO SAW CUTTING OR PENETRATING ANY FLOOR SLABS. CONTRACTOR SHALL REPAIR ALL UTILITIES DAMAGED BY SAW CUTTING.

DEMOLITION KEYED NOTES

1. TEMPORARILY DISCONNECT, REMOVE AND STORE EXISTING LIGHT FIXTURES AND EXIT SIGNS TO FACILITATE CEILING REMOVAL AND ANY MEP WORK REQUIRED. EXISTING LIGHT FIXTURES TO BE REINSTALLED AFTER. SEE NEW WORK.
- 1A. TEMPORARILY DISCONNECT, REMOVE AND STORE EXISTING LIGHT FIXTURES IN DRYWALL CEILING AS NECESSARY TO FACILITATE BRANCH CIRCUIT POWER FROM NEW PANEL RP-LR TO GF1 OUTLETS IN LOCKERS. SEE NEW WORK.
2. DISCONNECT, MAKE SAFE AND REMOVE EXISTING RECEPTACLE OUTLETS COMPLETE WITH BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE. MAINTAIN CIRCUIT TO EXISTING OUTLETS TO REMAIN.
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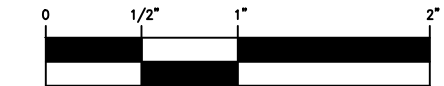


N
ENLARGED BASEMENT ELECTRICAL
DEMOLITION PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"



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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

ELECTRICAL DEMOLITION
PARTIAL BASEMENT PLAN

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY PA
CHECKED BY PA

REVISIONS
BIDS 8/28/2022

DATE: AUGUST 26, 2022
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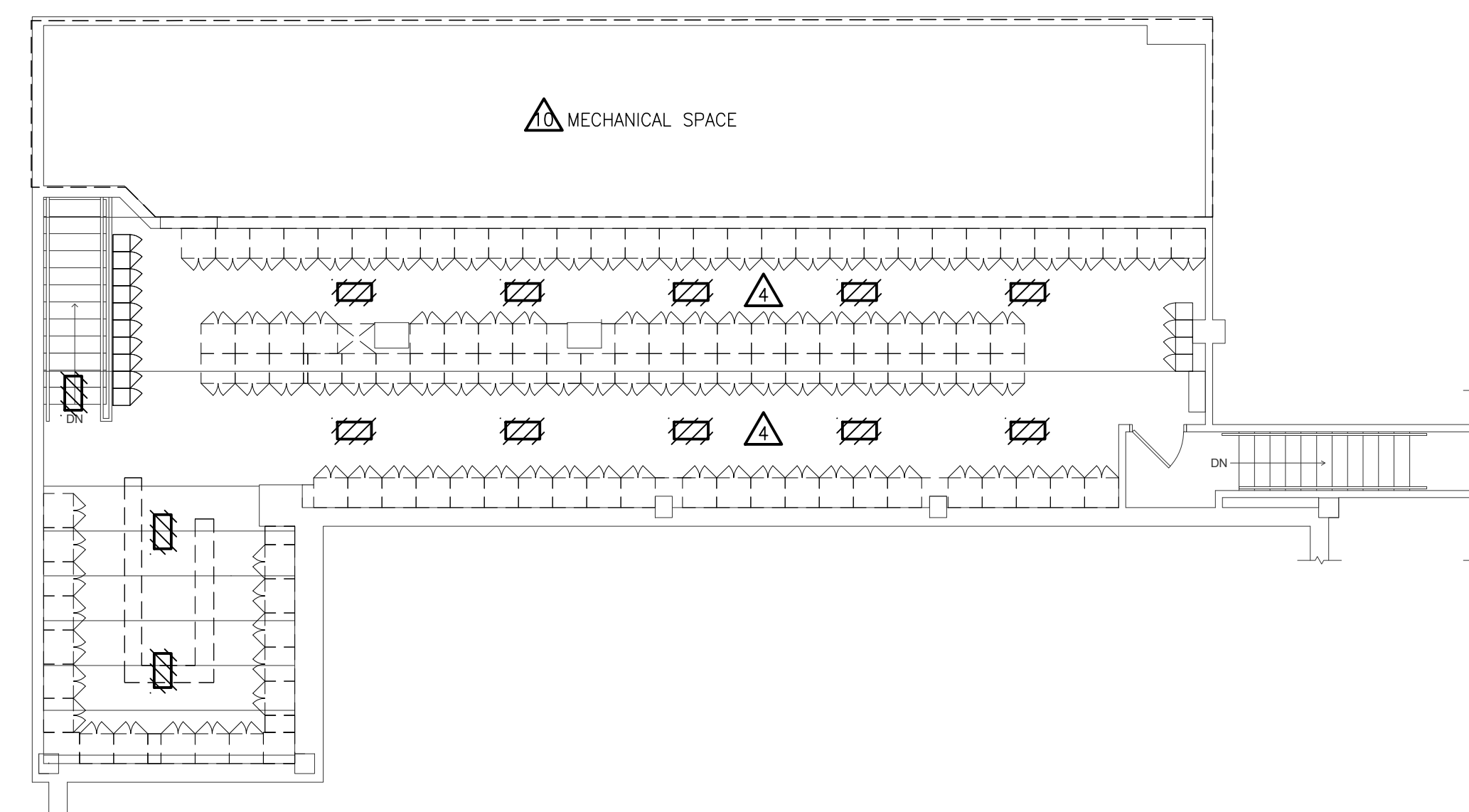
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ELECTRICAL DEMOLITION NOTES

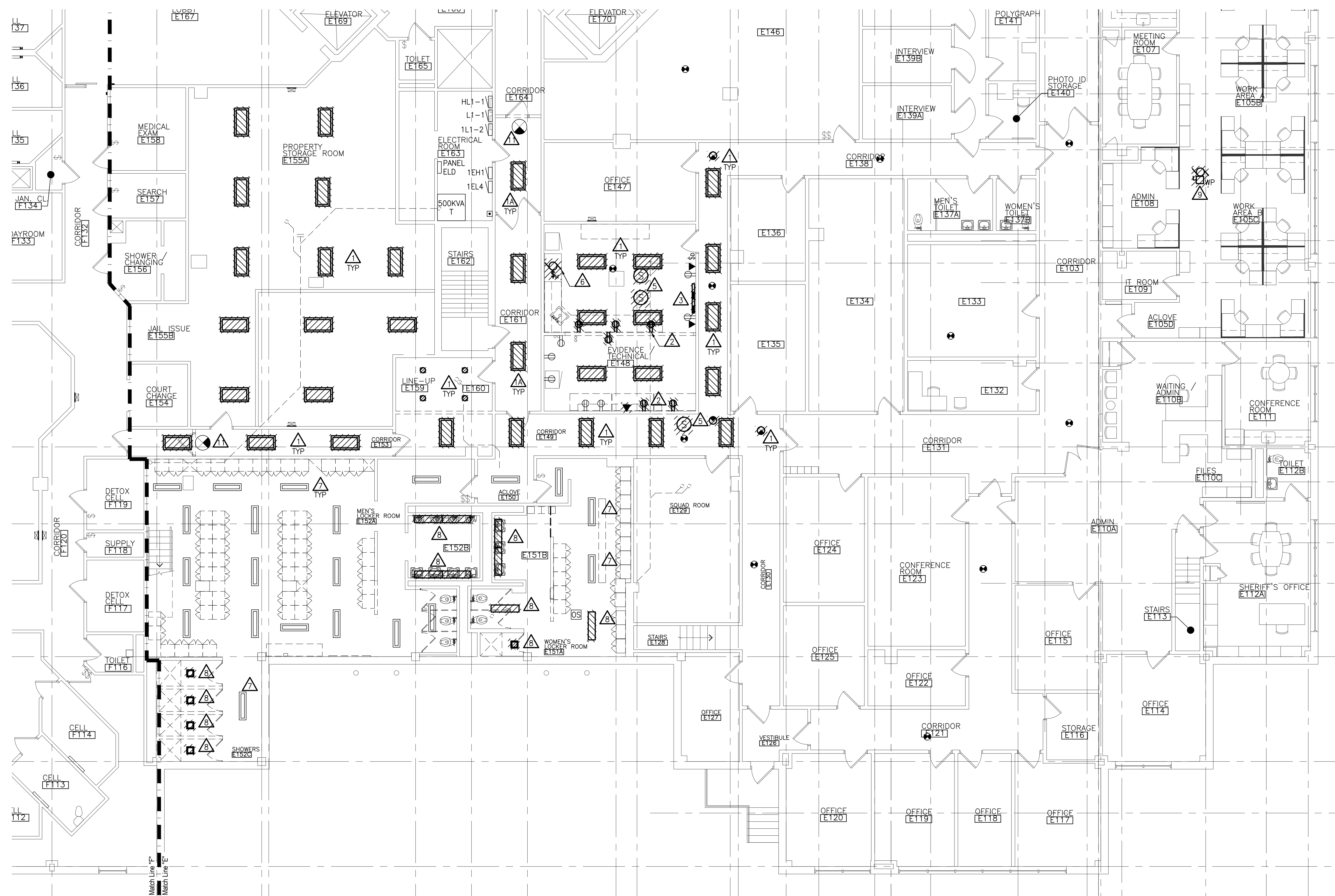
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DEMOLITION KEYED NOTES

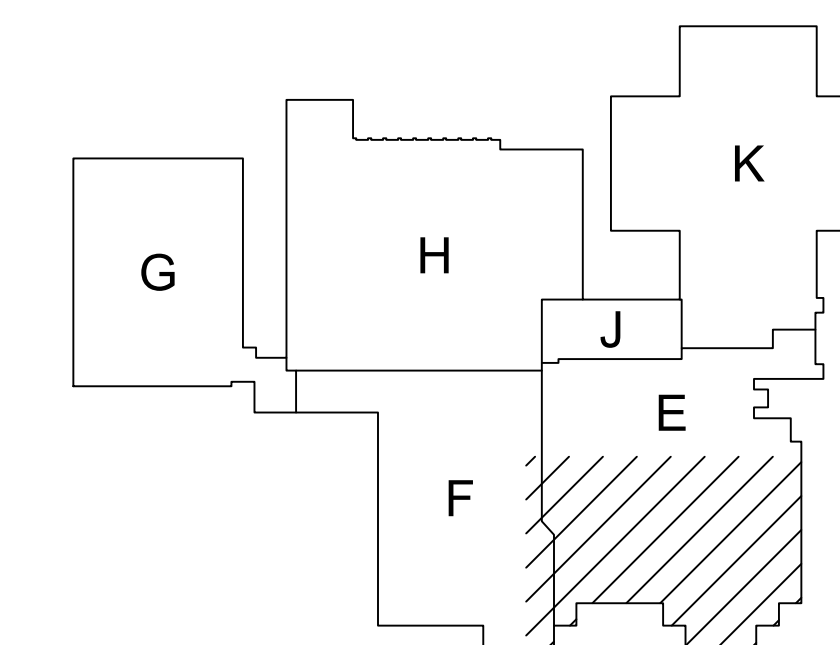
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ENLARGED UPPER LEVEL ELECTRICAL DEMOLITION PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"



ENLARGED FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA 'E'
SCALE: 1/8" = 1'-0"

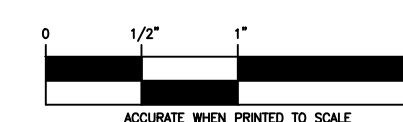


FIRST FLOOR KEY PLAN
NOT TO SCALE



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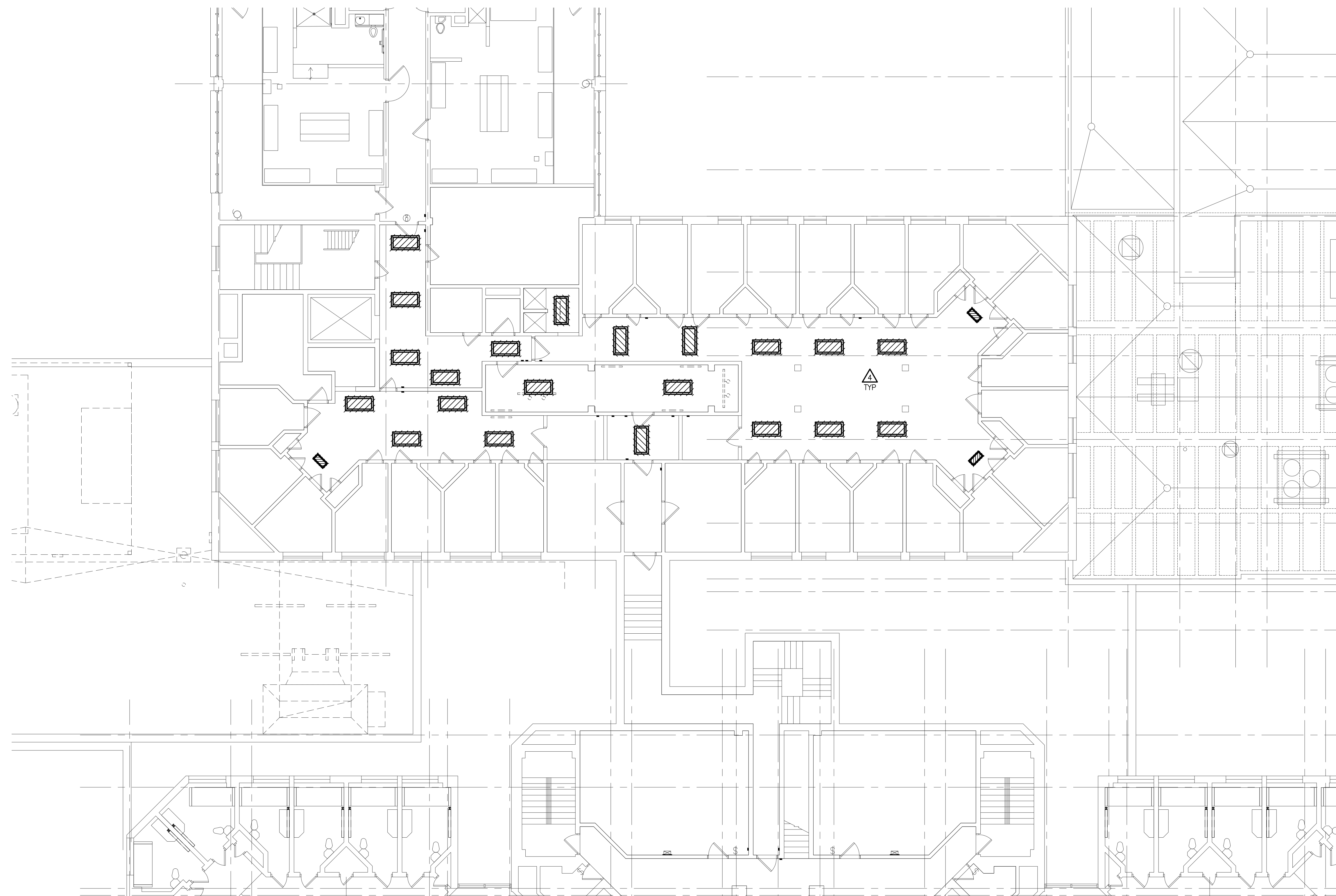


ELECTRICAL DEMOLITION NOTES

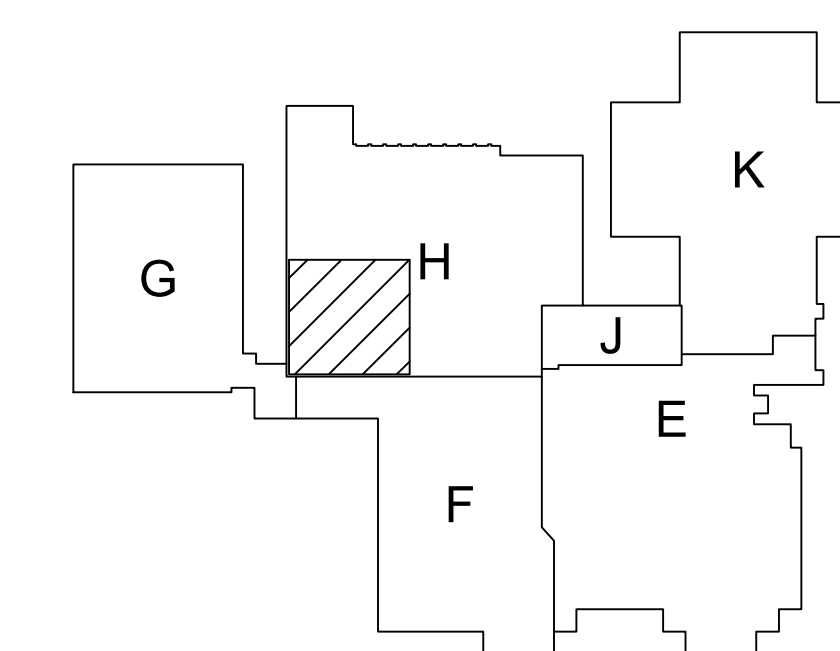
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N ENLARGED SECOND FLOOR ELECTRICAL DEMOLITION PLAN - AREA 'H'
SCALE: 1/8" = 1'-0"

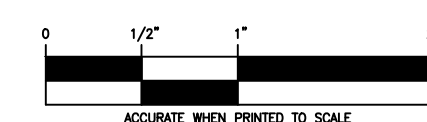


N FIRST FLOOR KEY PLAN
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ELECTRICAL DEMOLITION
PARTIAL SECOND FLOOR
PLAN

- PRELIMINARY
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POWER GENERAL NOTES

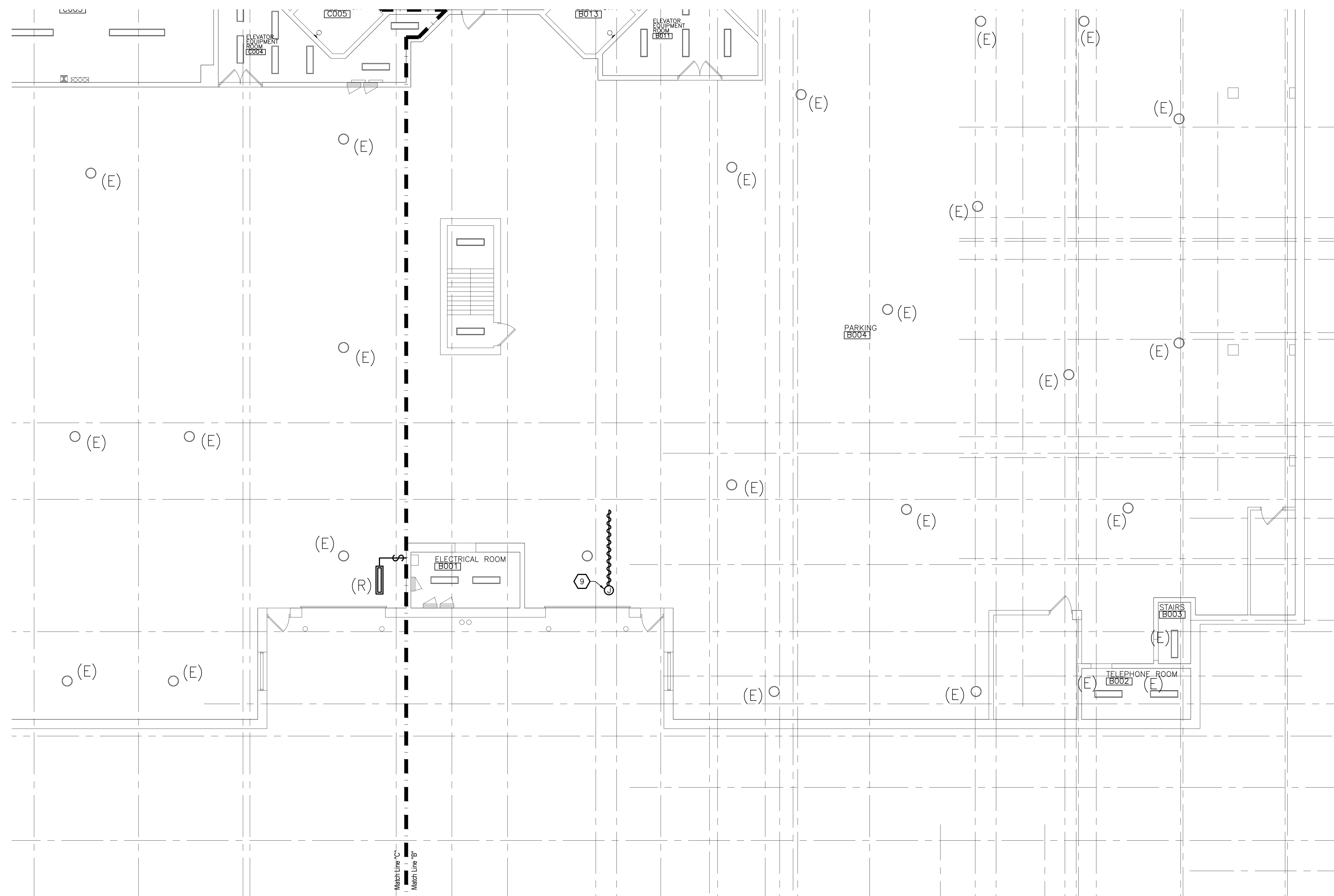
- ALL RECEPTACLES ON EXTERIOR, IN KITCHEN, IN CONCESSION, IN LABORATORY, AND WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE READILY ACCESSIBLE GFCI TYPE RECEPTACLE.
- REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS TO VERIFY LOCATION OF DEVICES.
- ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
- ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.

LIGHTING GENERAL NOTES

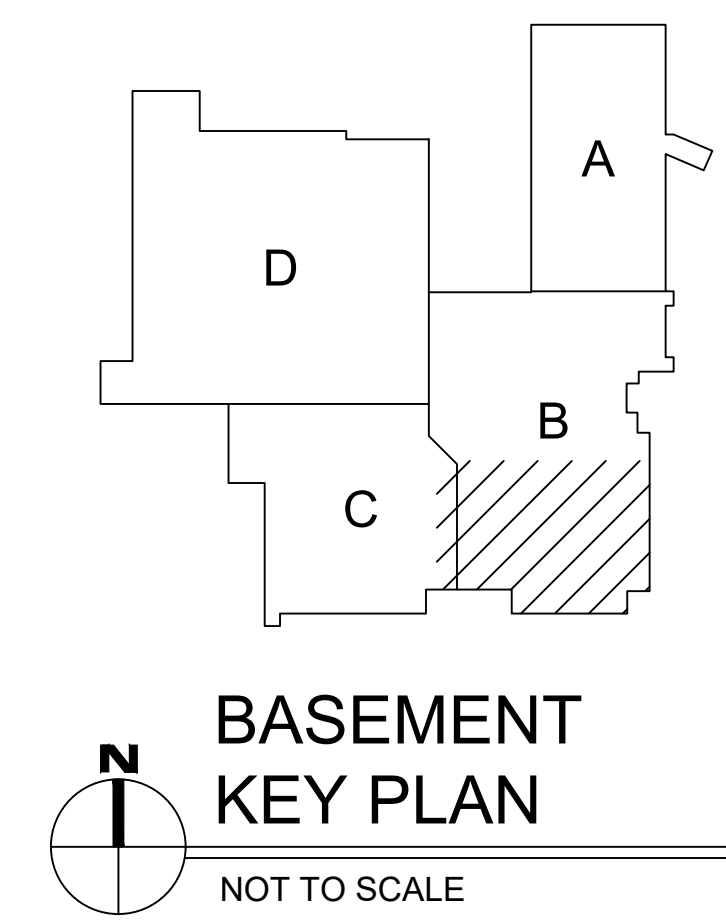
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
- EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
- WHERE MORE THAN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
- ALL POWER PACKS TO BE LOCATED DIRECTLY ABOVE SWITCH.
- LIGHT FIXTURES ARE LOOPED TOGETHER TO INDICATE CONTROL ZONE GROUPS. CONNECTED FIXTURES ARE TO BE CONTROLLED TOGETHER. CIRCUITS MAY BE SHARED AMONG SEPARATE CONTROL ZONE GROUPS. MULTIPLE ZONES ZONES MAY BE COMBINED IN SOFTWARE TO FORM SCENES. SEE LIGHTING CONTROL MATRIX: SCENE SCHEDULE (IF PROVIDED), AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
- ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.

KEYED NOTES

- EXISTING LIGHT FIXTURES REINSTALLED. RECONNECT TO EXISTING BRANCH CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED.
- MOUNT EVIDENCE LIGHT FROM CEILING STRUCTURE ABOVE. FIXTURE TO BE INSTALLED CENTER WITH TABLE. EXACT LOCATION TO BE DETERMINED IN THE FIELD. CONNECT TO EXISTING 120VOLT CIRCUIT MADE AVAILABLE FROM DEMOLITION.
- RECONNECT NEW LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED.
- CONNECT NEW PANELBOARD RP-LR FROM EXISTING DISTRIBUTION PANEL AS SHOWN WITH 4#3/0+1#5/0G-2" CONDUIT. EXACT CONDUIT ROUTING TO BE FIELD VERIFIED. SEE PANEL SCHEDULE FOR DETAILS.
- ALTERNATES NO.1 & NO. 2: PERSONAL STORAGE LOCKER EQUIPPED WITH GFCI OUTLETS. THE LOCKER ELECTRICAL DISTRIBUTION SYSTEM (EDS) CONSISTS OF A TEN (10) WIRES: SIX (6) POWER, TWO (2) SHARED NEUTRALS, AND TWO (2) SHARED GROUNDS. CONNECT TO NEW PANELBOARD RP-LR WITH 6#12+2#10N+2#12GND-3/4". TYPICAL CIRCUIT GROUPING AS SHOWN. ELECTRICAL TRADES TO REVIEW LOCKER MANUFACTURERS SUBMITTAL FOR WIRING CONFIGURATION REQUIREMENTS PRIOR TO ANY ROUGH-IN.
- HEAT TRACE BY MECHANICAL TRADES. PROVIDE DEDICATED 120V, 20A CIRCUIT (2#10+1#12GND) FROM NEAREST AVAILABLE STANDBY POWER PANEL. ALLOW 200FT FOR BIDDING PURPOSES.
- RECONNECT TO EXISTING CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED. COORDINATE WITH MECHANICAL TRADES.
- CONNECT LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT MADE AVAILABLE FROM DEMOLITION. EXACT LOCATION AND MOUNTING HEIGHT OF LIGHT FIXTURES TO BE COORDINATED IN THE FIELD TO THE BEST POSSIBLE ADVANTAGE TO AVOID EXISTING MECHANICAL DUCTWORK AND PIPING WITHIN THE SPACE.
- PROVIDE FLUSH MOUNTED BACKBOX COMPLETE WITH ONE (1) 3/4" CONDUIT UP TO CEILING SPACE ON SECURE SIDE OF DOOR.
- COMBINATION POWER & TECHNOLOGY V4000 WIREMOLD COMPLETE WITH RECEPTACLE AND TECHNOLOGY OUTLETS BY LEGRAND. FINAL COLOR TO BE SELECTED BY ARCHITECT. COORDINATE ALL VERTICAL DROPS FROM CEILING THRU MILLWORK WITH CABINET INSTALLER. CONNECT OUTLETS TO NEW PANEL RP-LR CIRCUIT AS SHOWN.
- SURFACE MOUNT EXISTING LIGHT FIXTURE ON UNISTRUT CHANNEL. CONNECT TO EXISTING ELECTRICAL LIGHTING CIRCUIT AHEAD OF LOCAL CONTROL WITH 3#12+1#12GND-3/4".



**ENLARGED BASEMENT ELECTRICAL
NEW WORK PLAN - AREA 'B'**
SCALE: 1/8" = 1'-0"



**BASEMENT
KEY PLAN**
NOT TO SCALE

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ELECTRICAL NEW WORK PARTIAL BASEMENT PLAN	
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CONSTRUCTION	<input checked="" type="checkbox"/>
FINAL RECORD	<input type="checkbox"/>
DRAWN BY	PA
CHECKED BY	PA
REVISIONS	
BIDS	8/28/2022
DATE:	AUGUST 26, 2022
SHEET NO.	E1.0
JOB NO.	221958

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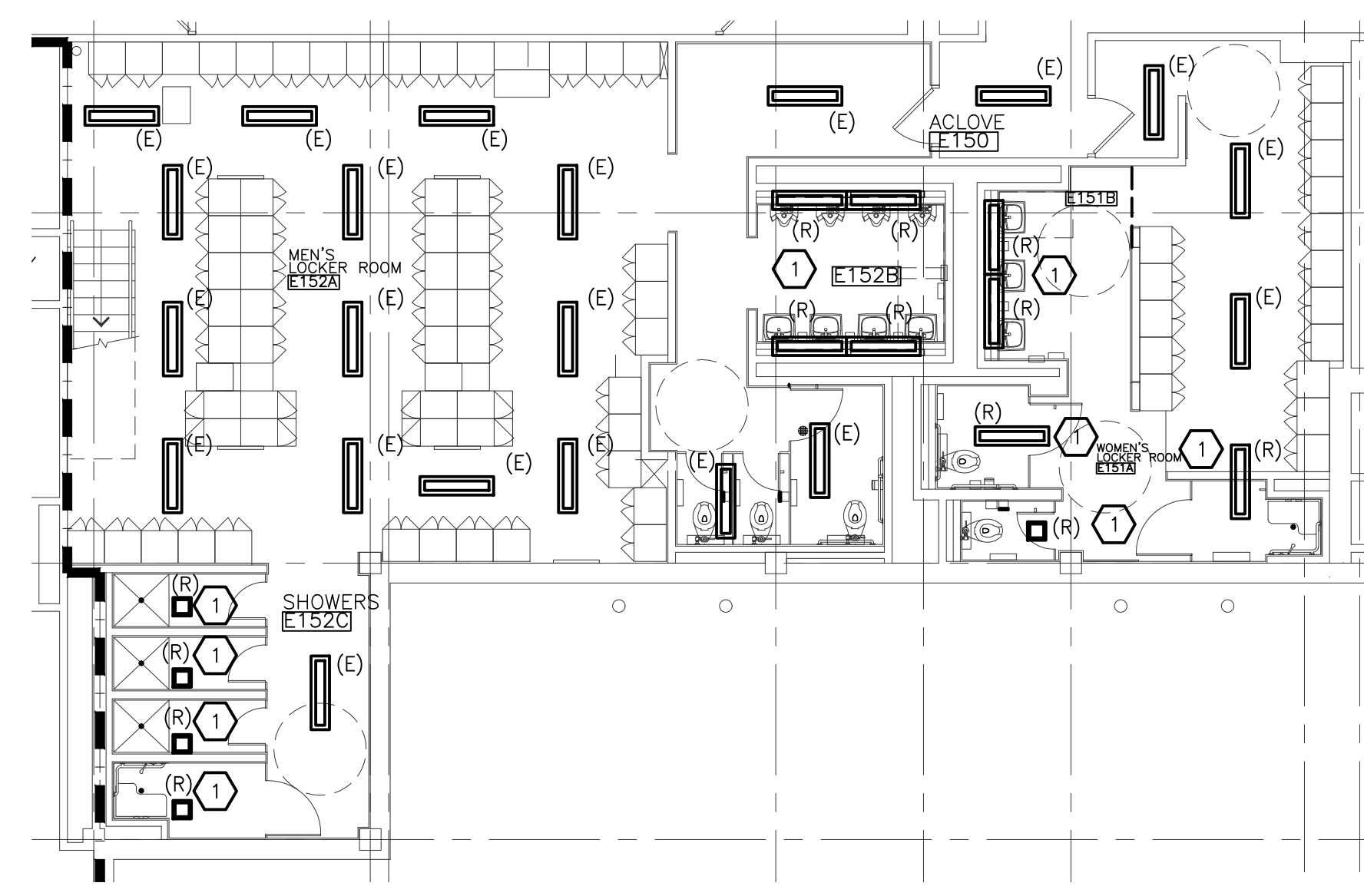
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REVISIONS	
BIDS	8/28/2022

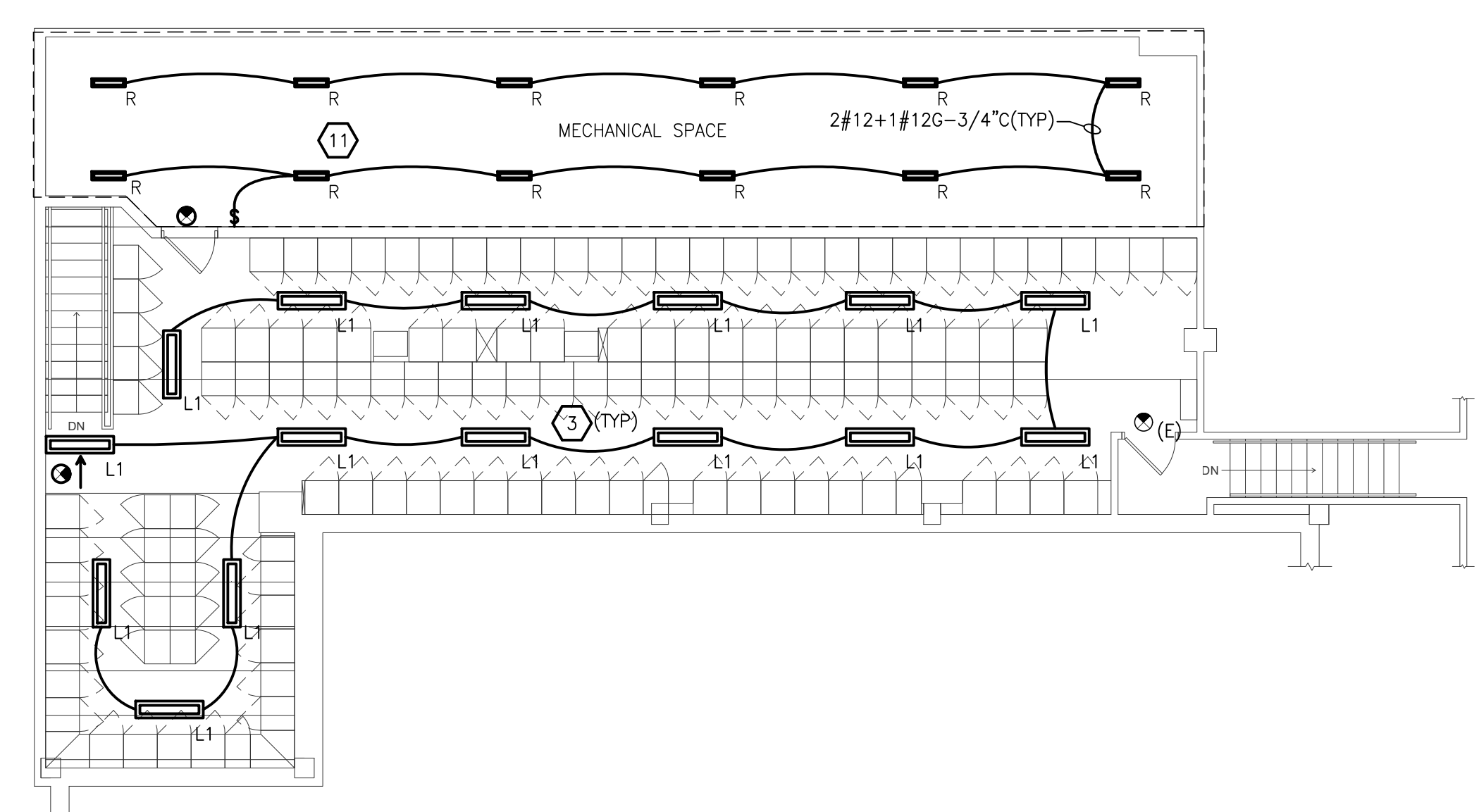
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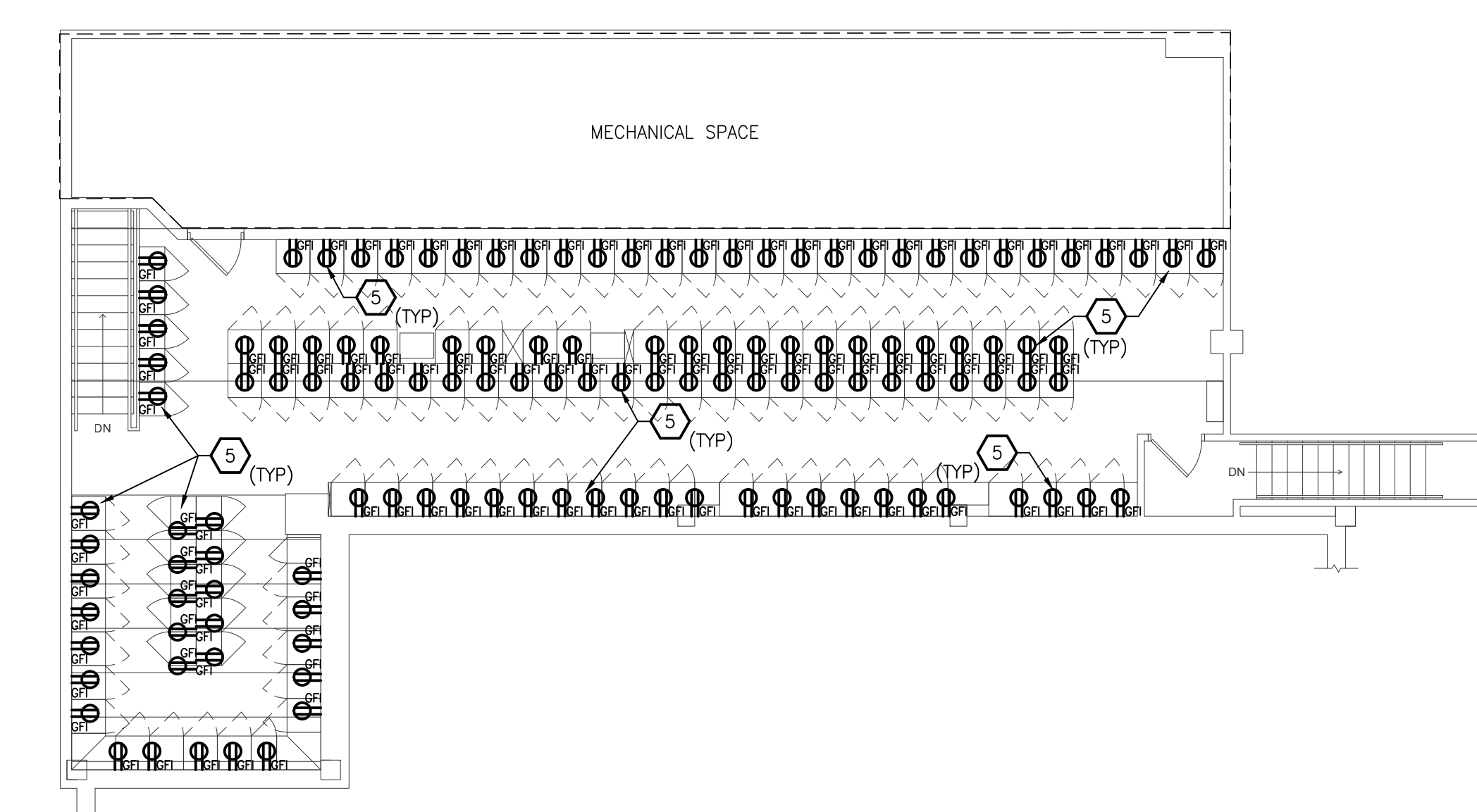
JOB NO. 221958



LOCKER ROOMS - LIGHTING NEW WORK PLAN - AREA 'E' SCALE: 1/8" = 1'-0"



ENLARGED UPPER LEVEL - LIGHTING NEW WORK PLAN - AREA 'E' SCALE: 1/8" = 1'-0"

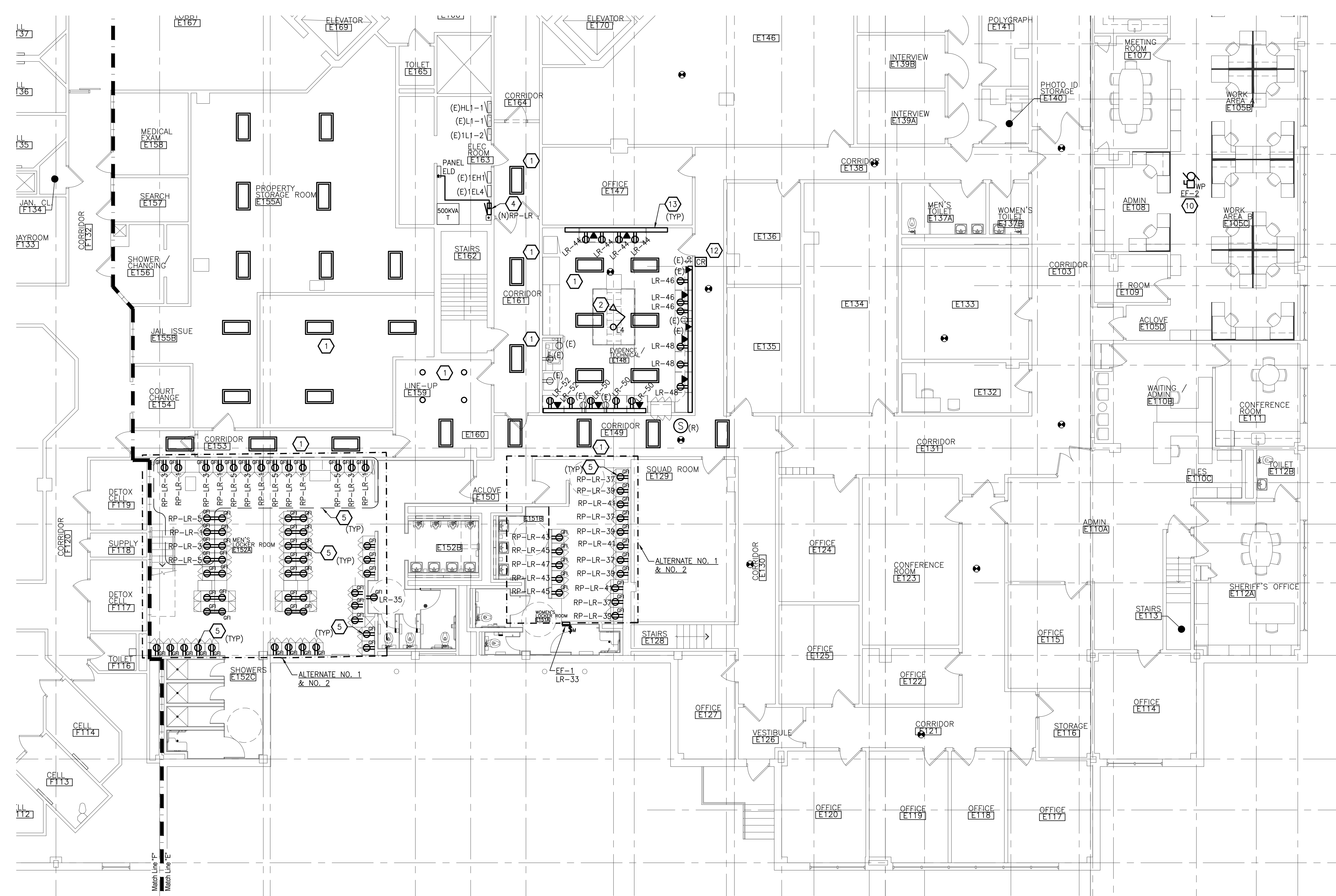


ENLARGED UPPER LEVEL - POWER NEW WORK PLAN - AREA 'E' - ALTERNATE NO. 1 & NO. 2 SCALE: 1/8" = 1'-0"

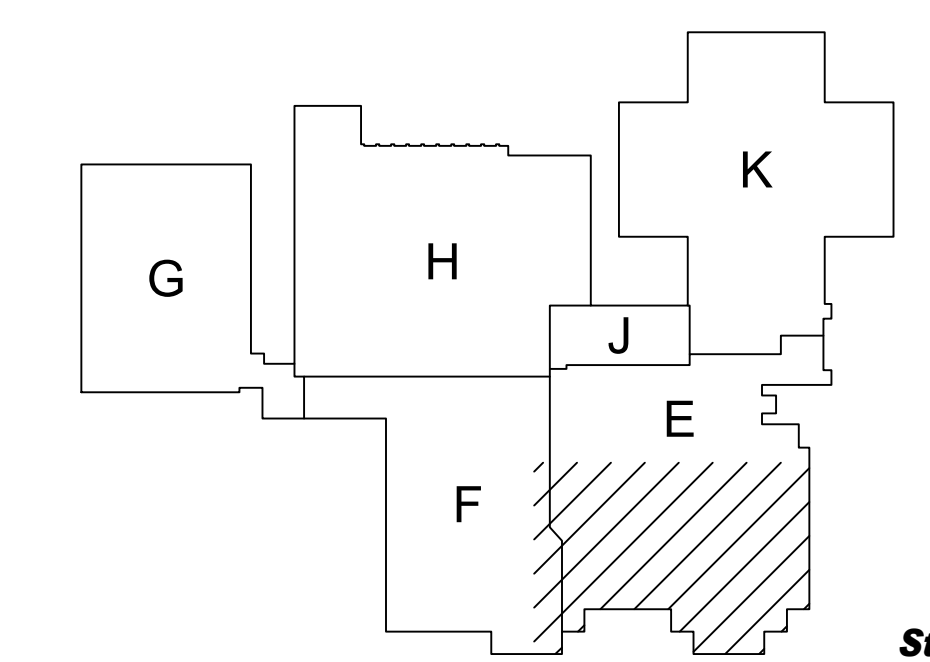
- POWER GENERAL NOTES**
- ALL RECEPTACLES ON EXTERIOR, IN KITCHEN, IN CONCESSION, IN LABORATORY, AND WITHIN 6'-0" OF SINK OR OTHER WATER SUPPLY SHALL BE READILY ACCESSIBLE GFCI TYPE RECEPTACLE.
 - REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS TO VERIFY LOCATION OF DEVICES.
 - ALL CONDUITS SERVING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.
 - ALL CONDUITS SHALL BE ROUTED CONCEALED UNLESS NOTED OTHERWISE.
 - ALL 120 VOLT CIRCUITS SHALL UTILIZE A SEPARATE NEUTRAL.

- LIGHTING GENERAL NOTES**
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
 - EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUITED OTHERWISE.
 - WHERE MORE THAN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.
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- KEYED NOTES**
- EXISTING LIGHT FIXTURES REINSTALLED. RECONNECT TO EXISTING BRANCH CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED.
 - MOUNT EVIDENCE LIGHT FROM CEILING STRUCTURE ABOVE. FIXTURE TO BE INSTALLED CENTER WITH TABLE. EXACT LOCATION TO BE DETERMINED IN THE FIELD. CONNECT TO EXISTING 120VOLT CIRCUIT MADE AVAILABLE FROM DEMOLITION.
 - RECONNECT NEW LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT. EXTEND CONDUIT AND WIRING AS REQUIRED.
 - CONNECT NEW PANELBOARD RP-LR FROM EXISTING DISTRIBUTION PANEL AS SHOWN WITH #4S/0+1#4S/0G - 2" CONDUIT. EXACT CONDUIT ROUTING TO BE FIELD VERIFIED. SEE PANEL SCHEDULE FOR DETAILS.
 - ALTERNATES NO.1 & NO. 2: PERSONAL STORAGE LOCKER EQUIPPED WITH GFCI OUTLETS. THE LOCKER ELECTRICAL DISTRIBUTION SYSTEM (EDS) CONSISTS OF A TEN (10) WIRES: SIX (6) POWER, TWO (2) SHARED NEUTRALS, AND TWO (2) SHARED GROUNDS. CONNECT TO NEW PANELBOARD RP-LR WITH #12+2#12OH+2#12GND-3/4"C. TYPICAL CIRCUIT GROUPING AS SHOWN. ELECTRICAL TRADES TO REVIEW LOCKER MANUFACTURERS SUBMITTAL FOR WIRING CONFIGURATION REQUIREMENTS PRIOR TO ANY ROUGH-IN.
 - HEAT TRACE BY MECHANICAL TRADES. PROVIDE DEDICATED 120V, 20A CIRCUIT (2#10+1#12GRND) FROM NEAREST AVAILABLE STANDBY POWER PANEL. ALLOW 200FT FOR BIDDING PURPOSES.
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 - SURFACE MOUNT EXISTING LIGHT FIXTURE ON UNISTRUT CHANNEL. CONNECT TO EXISTING ELECTRICAL LIGHTING CIRCUIT AHEAD OF LOCAL CONTROL WITH 3#12+1#12GND-3/4"C.



ENLARGED FIRST FLOOR ELECTRICAL NEW WORK PLAN - AREA 'E' SCALE: 1/8" = 1'-0"



FIRST FLOOR KEY PLAN NOT TO SCALE

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WAKELY ASSOCIATES, INC.
ARCHITECTS

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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

POWER GENERAL NOTES

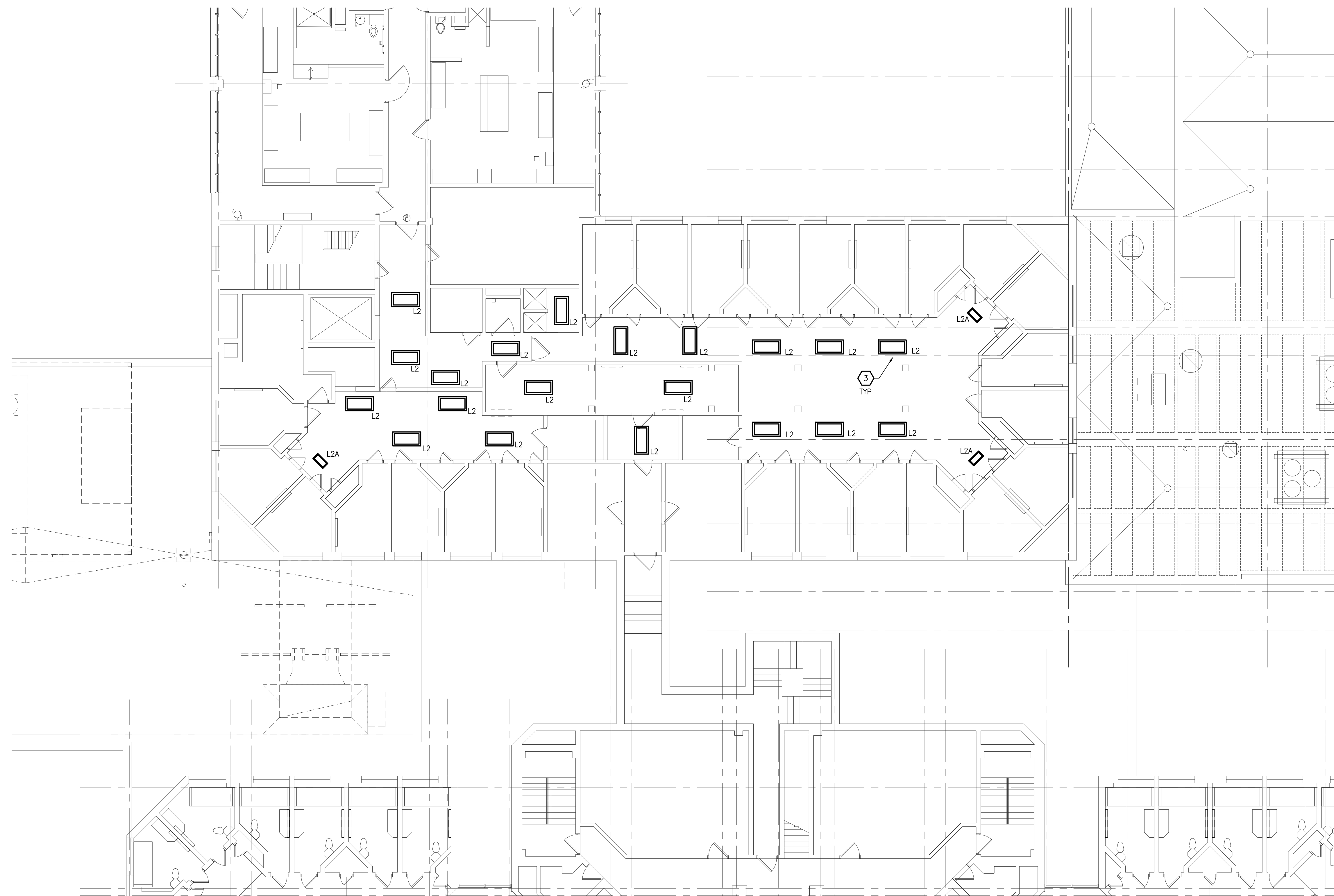
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LIGHTING GENERAL NOTES

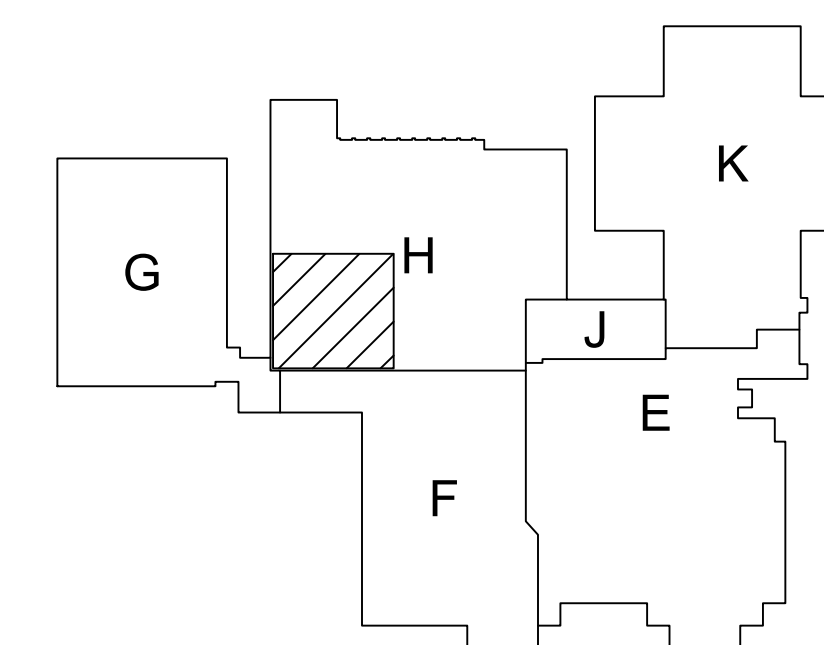
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14. SURFACE MOUNT EXISTING LIGHT FIXTURE ON UNISTRUT CHANNEL. CONNECT TO EXISTING ELECTRICAL LIGHTING CIRCUIT AHEAD OF LOCAL CONTROL WITH 3#12+1#12GND-3/4".



N ENLARGED SECOND FLOOR ELECTRICAL
NEW WORK PLAN - AREA 'H'
SCALE: 1/8" = 1'-0"

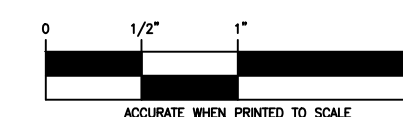


N FIRST FLOOR
KEY PLAN
NOT TO SCALE



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ELECTRICAL NEW WORK
PARTIAL SECOND FLOOR
PLAN

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY PA
CHECKED BY PA

REVISIONS
BIDS 8/26/2022

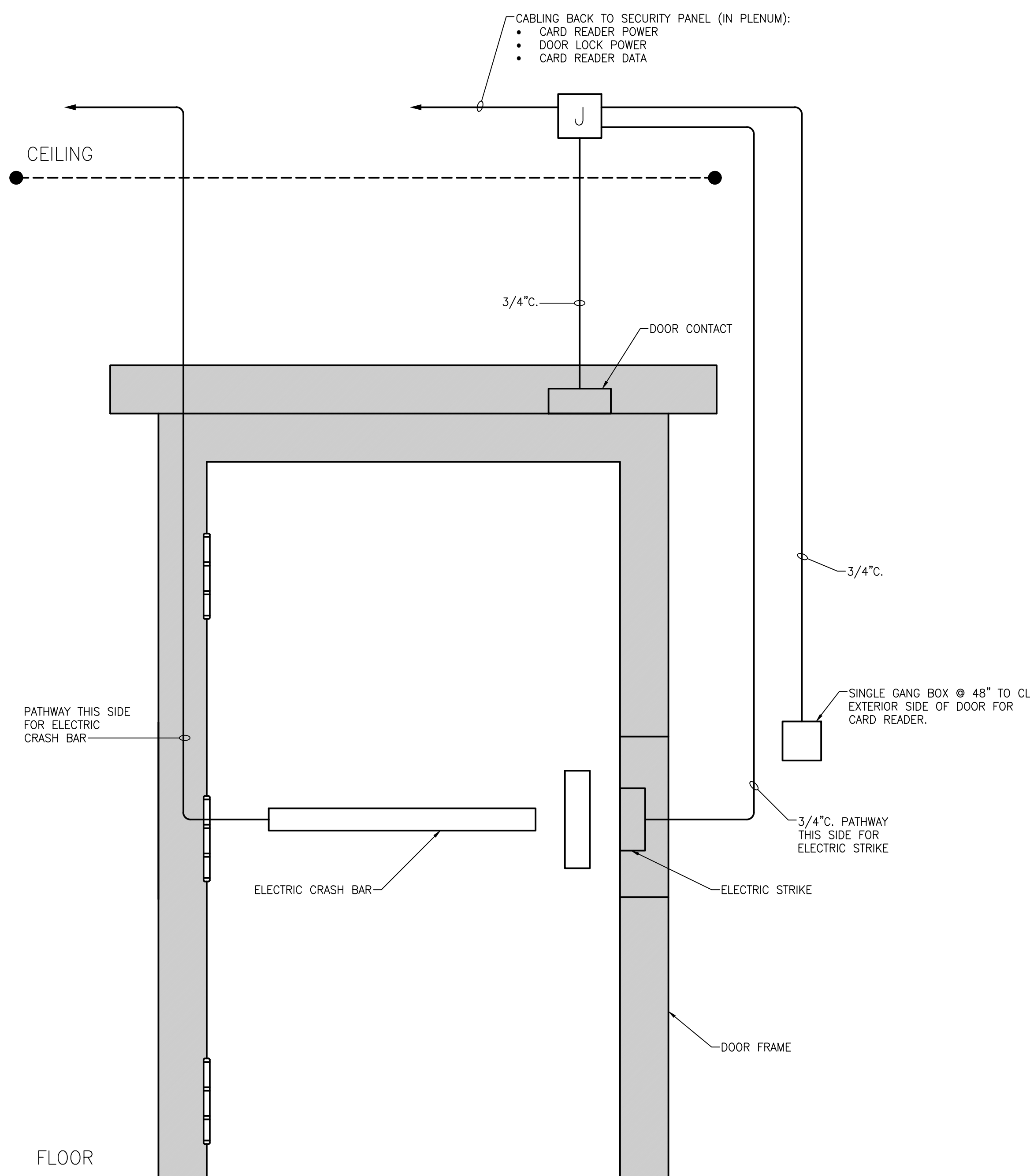
DATE: AUGUST 26, 2022
SHEET NO.

E1.2

JOB NO.
221958

Panel Designation: (E)LDP		Main: 800A		P-P Voltage: 208								
Panel Location: ELECTRICAL RM		Bussing: 800A		P-N Voltage: 120								
Fed From: MDP		Ground Bus: STANDARD		Phase: 3								
Feeder Size: EXISTING		Mounting: SURFACE		Wire: 4								
		Neutral: 100%		Min SC Interrupting Rating: EXISTING								
Remarks	Light Load	Recept Load	Cont Load	non-C Load	OC Prot	OC Prt	OC Prt	non-C Load	Cont Load	Recept Load	Light Load	Remarks
(E) Panel 2L1					200	3	X	4	100			(E) Panel 3L1
(E) Panel 4L1					100	7	X	8	100			(E) Panel 1L2
(E) Panel 1L3					100	15	X	16	100			(E) Panel 2L2
Unknown					100	19	X	20	100			XRAY
(E) Panel 1L1					100	25	X	26	200			New PANEL RP_LR *

Panel Designation: RP-LR		Main: MLO		P-P Voltage: 208								
Panel Location: ELEC ROOM E163		Bussing: 225A		P-N Voltage: 120								
Fed From: ELD		Ground Bus: STANDARD		Phase: 3								
Feeder Size: 4#3/0 & 1#3/0G		Mounting: SURFACE		Wire: 4								
		Neutral: 100%		Min SC Interrupting Rating: EXISTING								
Remarks	Light Load	Recept Load	Cont Load	non-C Load	OC Prot	OC Prt	OC Prt	non-C Load	Cont Load	Recept Load	Light Load	Remarks
REC - MENS LOCKER ROOM LOCKERS	1080				20	1	X	2	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	3	X	4	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	5	X	6	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	7	X	8	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	9	X	10	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	11	X	12	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	13	X	14	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	15	X	16	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	17	X	18	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	19	X	20	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	21	X	22	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	23	X	24	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	25	X	26	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	27	X	28	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - MENS LOCKER ROOM LOCKERS	1080				20	29	X	30	20			REC - MENS UPPER LOCKER ROOM LOCKERS
HEAT TRACE					20	31	X	32	20			REC - MENS UPPER LOCKER ROOM LOCKERS
EXHAUST FAN EF-1					20	33	X	34	20			REC - MENS UPPER LOCKER ROOM LOCKERS
RECEPTACLE	300				20	35	X	36	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - WOMENS LOCKER ROOM LOCKERS	720				20	37	X	38	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - WOMENS LOCKER ROOM LOCKERS	720				20	39	X	40	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - WOMENS LOCKER ROOM LOCKERS	540				20	41	X	42	20			REC - MENS UPPER LOCKER ROOM LOCKERS
REC - WOMENS LOCKER ROOM LOCKERS	360				20	43	X	44	20			V4000 WIREMOLD - EVIDENCE ROOM
REC - WOMENS LOCKER ROOM LOCKERS	360				20	45	X	46	20			V4000 WIREMOLD - EVIDENCE ROOM
REC - WOMENS LOCKER ROOM LOCKERS	360				20	47	X	48	20			V4000 WIREMOLD - EVIDENCE ROOM
SPARE					20	49	X	50	20			V4000 WIREMOLD - EVIDENCE ROOM
SPARE					20	51	X	52	20			V4000 WIREMOLD - EVIDENCE ROOM
SPARE					20	53	X	54	20			SPARE



**TYPICAL RACEWAY INSTALLATION
AT ELECTRIFIED HARDWARE DOOR**

NO SCALE



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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

PROPOSAL B
COMPOSITE FLOOR PLAN
- BASEMENT

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: KAN
CHECKED BY: RAS

REVISIONS
BIDS 08/26/2022

DATE: AUGUST 26, 2022
SHEET NO.

A0.1B

JOB NO. 221958



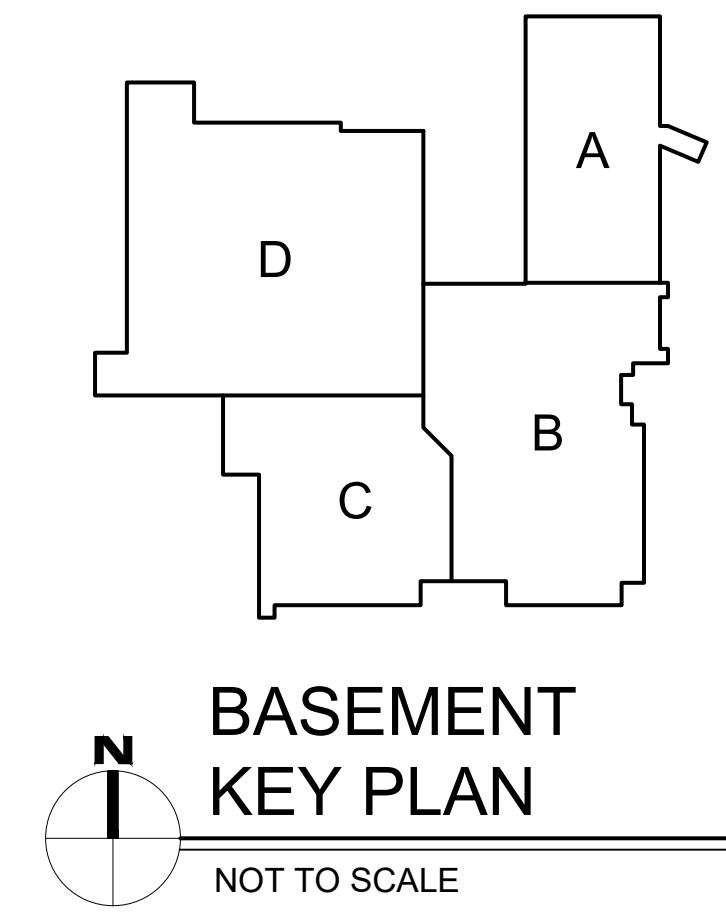
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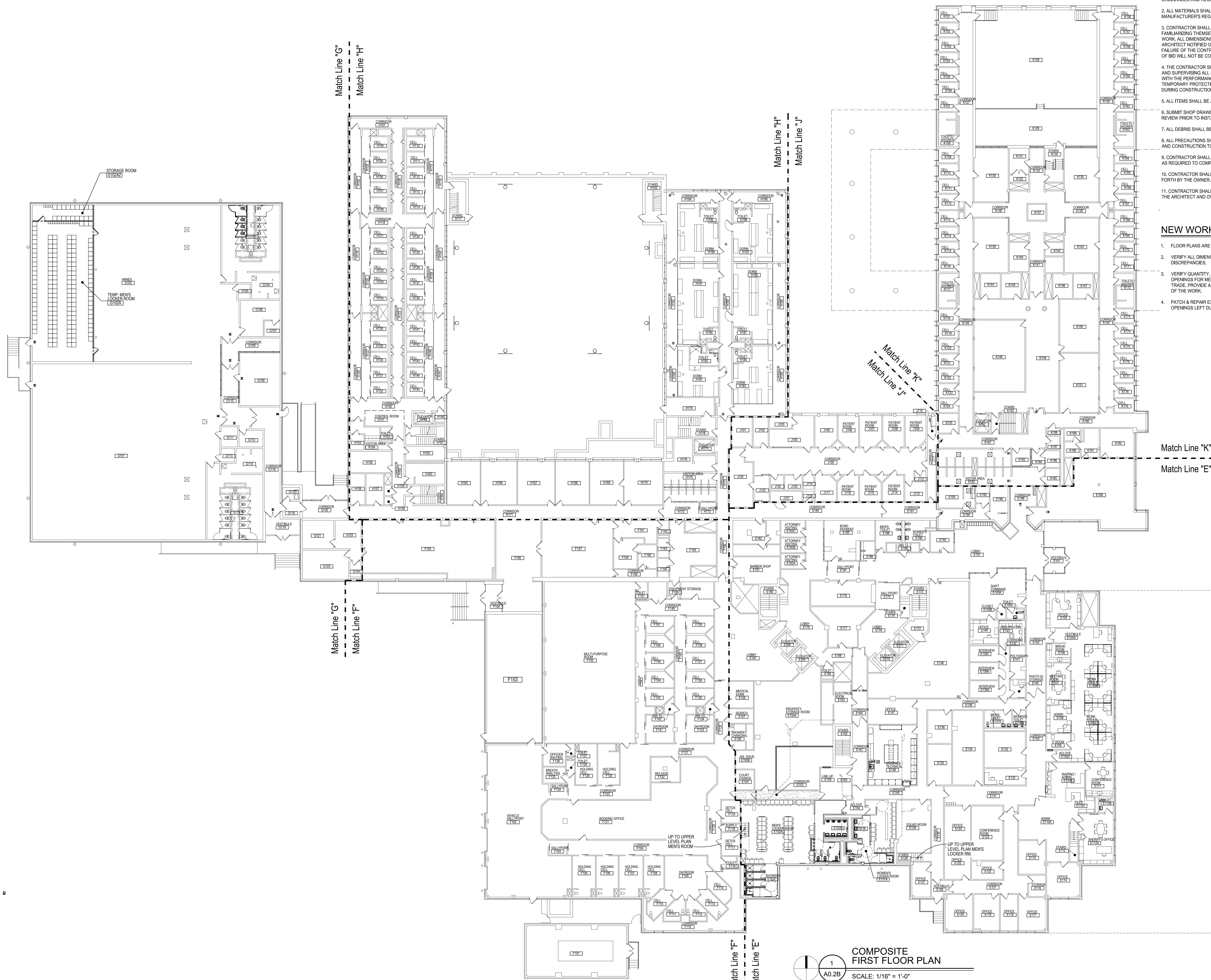
Match Line "D"
Match Line "A"

Match Line "A"
Match Line "B"

Match Line "C"
Match Line "B"

**COMPOSITE
BASEMENT FLOOR PLAN**
SCALE: 1/16" = 1'-0"





TYPICAL CONSTRUCTION NOTES:

1. ALL WORK SHALL COMPLY WITH NATIONAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. ALL MATERIALS SHALL BE INSTALLED/APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER'S REGULATIONS.
3. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VISITING THE JOB SITE AND FAMILIARIZING THEMSELVES WITH EXISTING CONDITIONS PRIOR TO START OF WORK. ALL DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE RECEIPT OF BIDS. FAILURE OF THE CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO THE AWARD OF BID WILL NOT BE CONSIDERED AS GROUNDS FOR AN EXTRA.
4. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT. PROVIDE ALL NECESSARY TEMPORARY PROTECTION TO ENSURE THE SAFETY OF THE GENERAL PUBLIC DURING CONSTRUCTION.
5. ALL ITEMS SHALL BE AS SPECIFIED BY ARCHITECT.
6. SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION/APPLICATION.
7. ALL DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE SITE BY THE CONTRACTOR.
8. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING MATERIALS AND CONSTRUCTION TO REMAIN.
9. CONTRACTOR SHALL CUT AND PATCH EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED TO COMPLETE THE WORK.
10. CONTRACTOR SHALL KEEP NOISE, DUST, ETC., TO A MINIMUM STANDARD AS SET FORTH BY THE OWNER.
11. CONTRACTOR SHALL COORDINATE INSTALLATION AND PHASING OF WORK WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK.

NEW WORK PLAN GENERAL NOTES:

1. FLOOR PLANS ARE DIMENSIONED TO NOMINAL PARTITION THICKNESS (TYP.)
2. VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
3. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK.
4. PATCH & REPAIR EXIST WALLS & CEILINGS AT ALL NEW MECH PENETRATIONS & OPENINGS LEFT DUE TO MECH DEMO - SEE MECH DWGS



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SUITE 209
WARREN, MICHIGAN 48093
PH: 586.573.4100
FX: 586.573.0822
www.WakelyAIA.com

**MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL**

PROPOSAL B
COMPOSITE FLOOR PLAN
- FIRST FLOOR

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: KAN
CHECKED BY: RAS

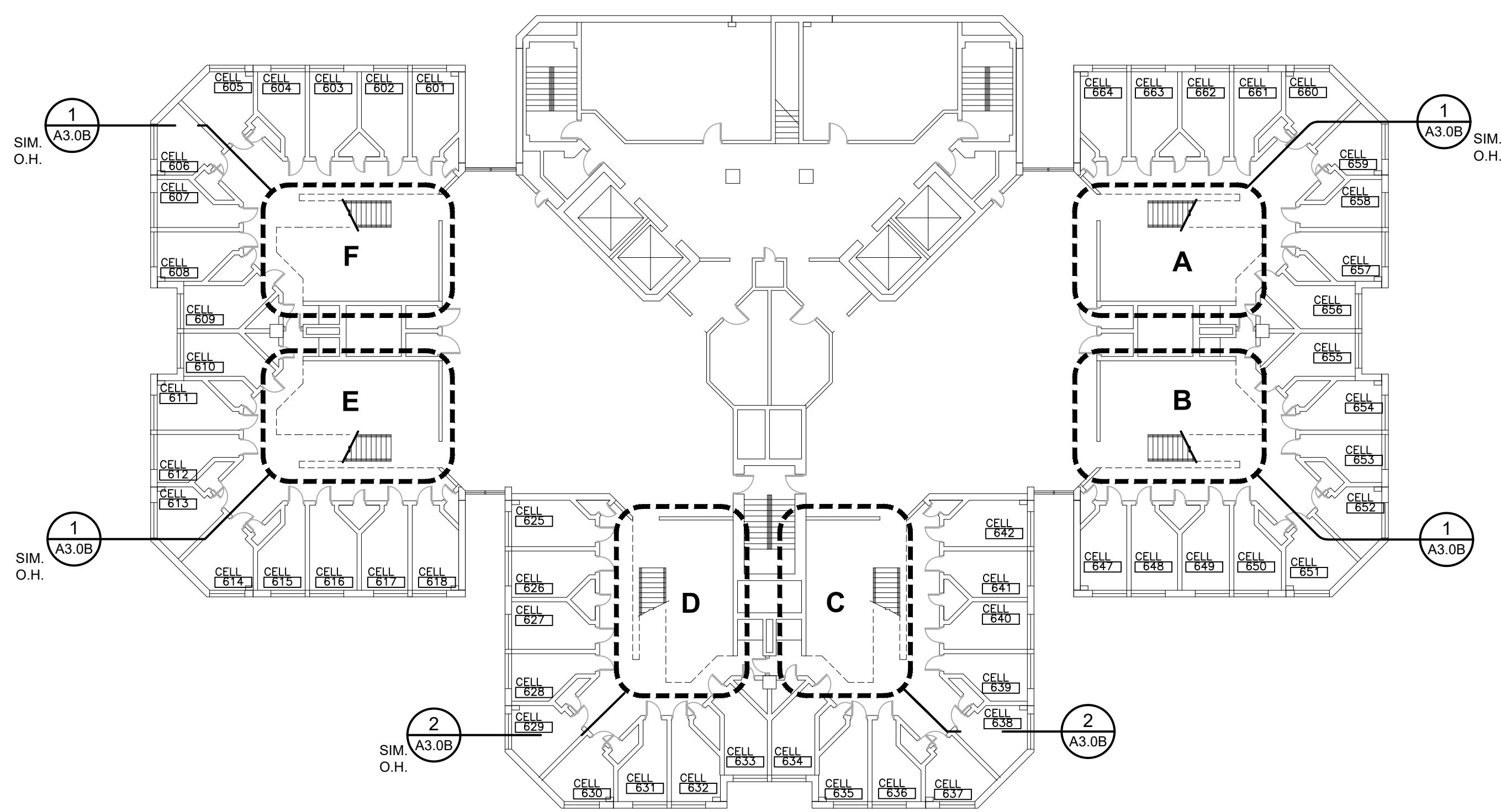
REVISIONS
BIDS: 08/26/2022

DATE: AUGUST 26, 2022
SHEET NO.

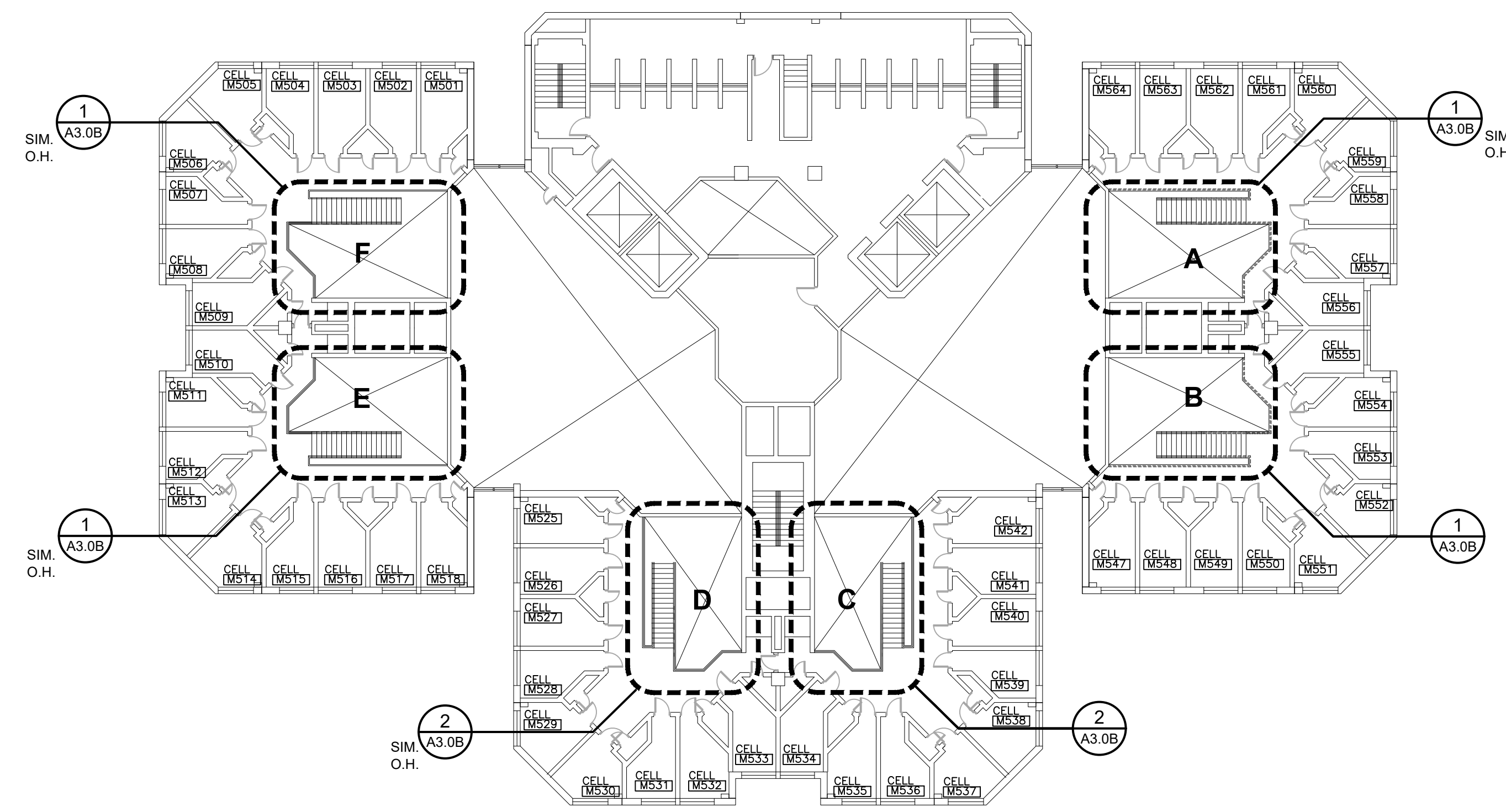
A0.2B

JOB NO. 221958

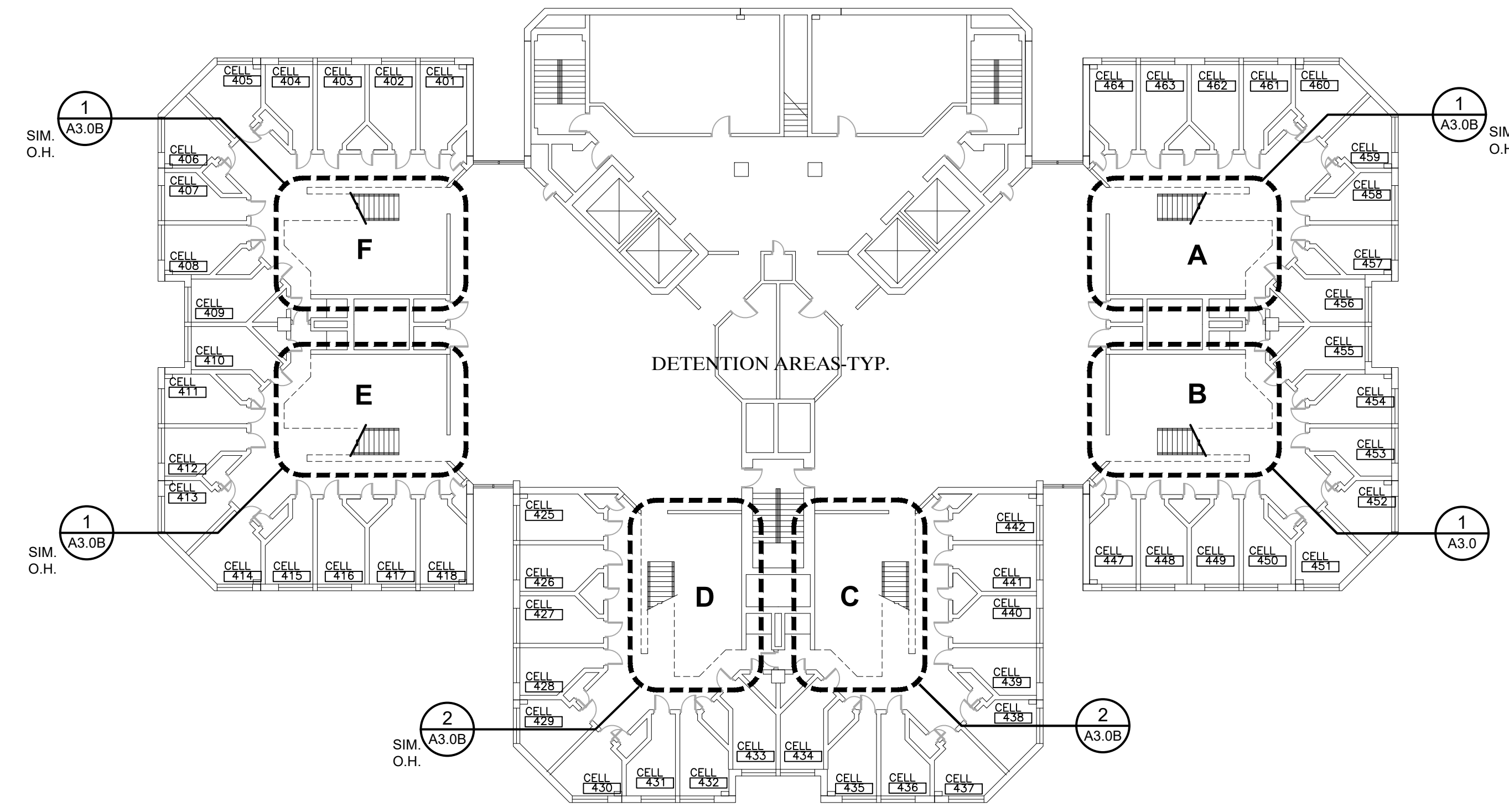
1
A0.2B
COMPOSITE
FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"



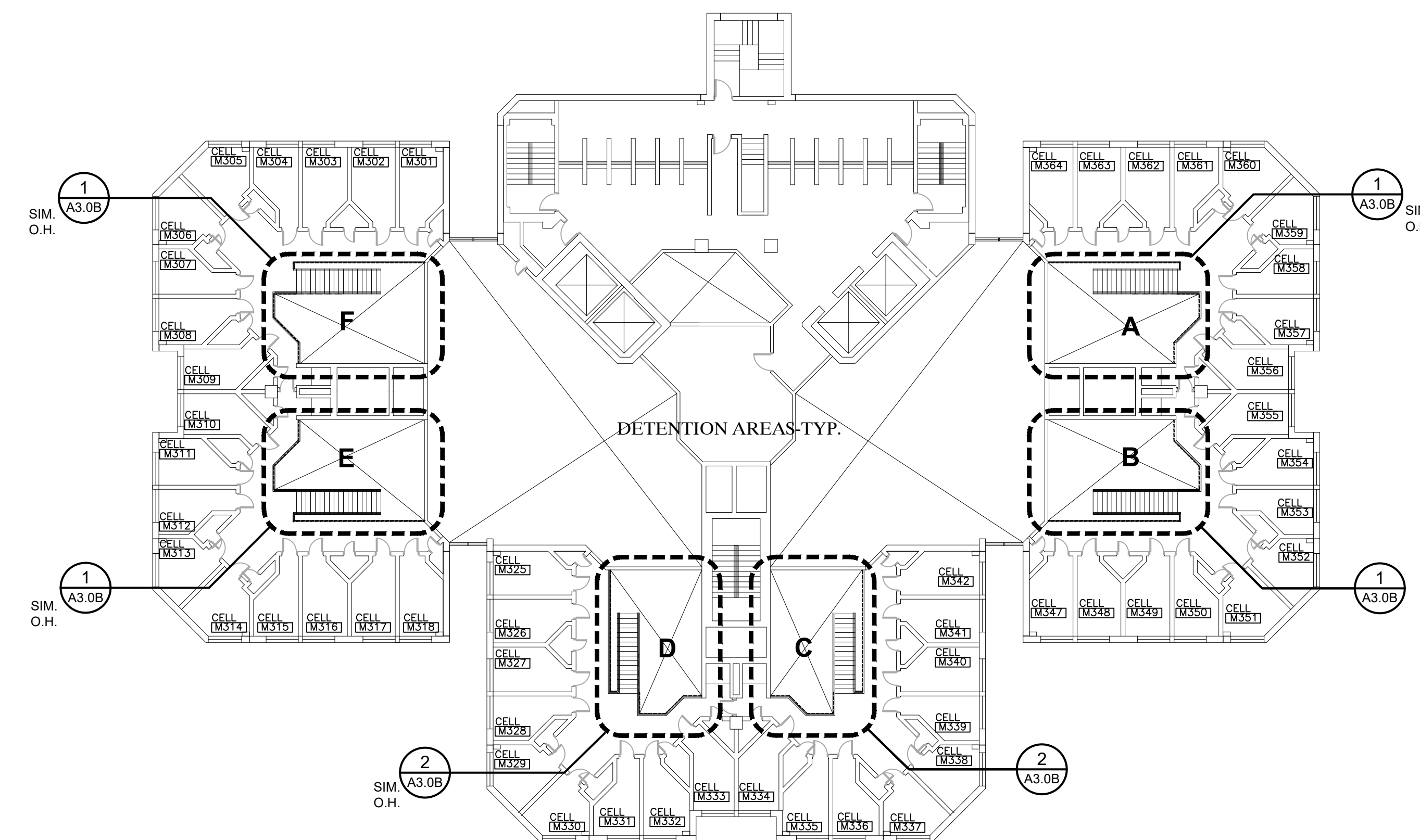
SIXTH FLOOR PLAN
SCALE: 1/32"=1'-0"
17,304 S.F.



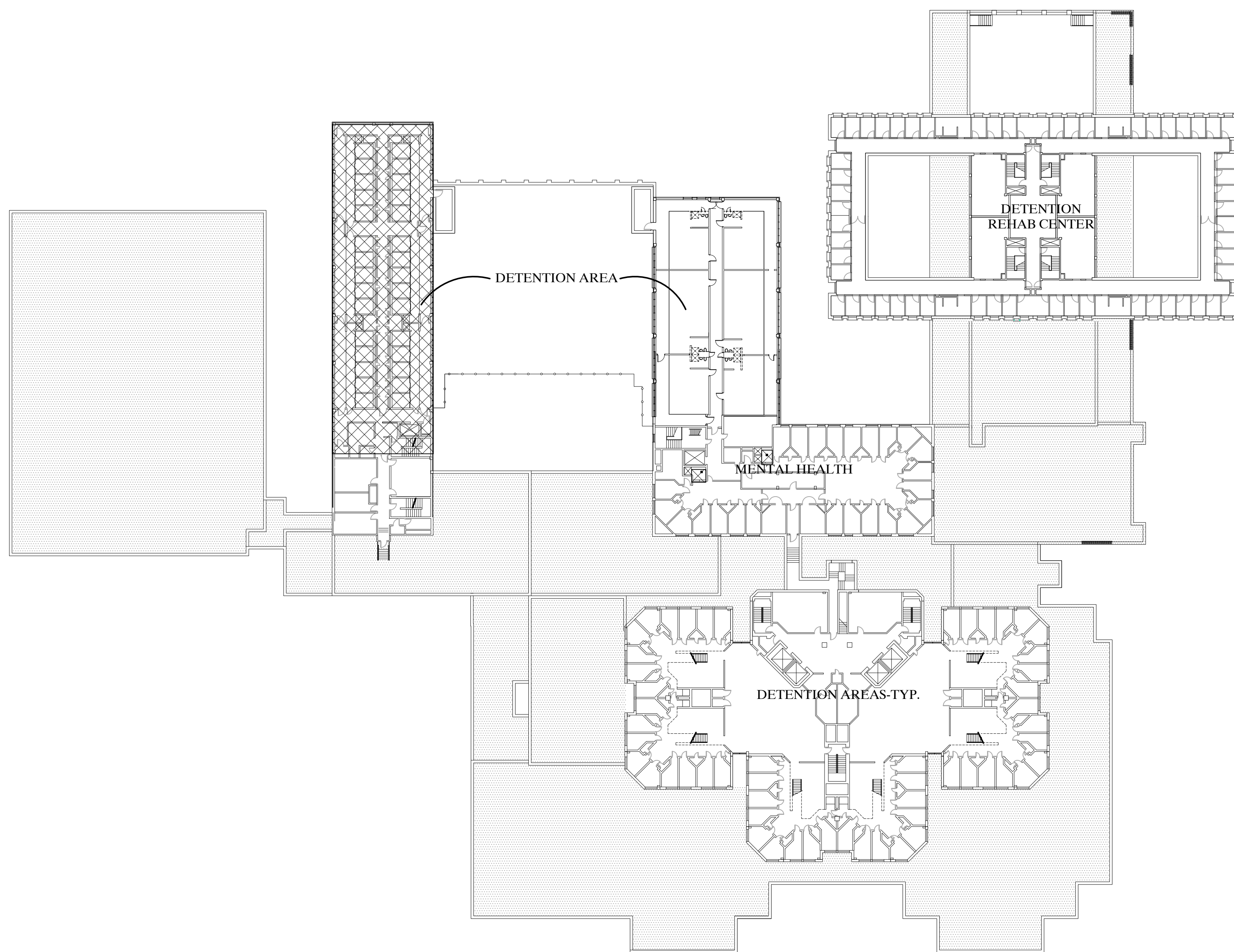
FIFTH FLOOR PLAN
SCALE: 1/32"=1'-0"
12,114 S.F.



FOURTH FLOOR PLAN
SCALE: 1/32"=1'-0"
17,304 S.F.



THIRD FLOOR PLAN
SCALE: 1/32"=1'-0"
12,114 S.F.



SECOND FLOOR PLAN
SCALE: 1/32"=1'-0"
49,234 S.F.
NO NEW WORK

TYPICAL CONSTRUCTION NOTES:

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3. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VISITING THE JOB SITE AND FAMILIARIZING THEMSELVES WITH EXISTING CONDITIONS PRIOR TO START OF WORK. ALL DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE RECEIPT OF BIDS. FAILURE OF THE CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO THE AWARD OF BID WILL NOT BE CONSIDERED AS GROUNDS FOR AN EXTRA.
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4. PATCH & REPAIR EXIST WALLS & CEILINGS AT ALL NEW MECH PENETRATIONS & OPENINGS LEFT DUE TO MECH DEMO - SEE MECH DWGS



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ARCHITECTS

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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

PROPOSAL B
UPPER LEVEL
COMPOSITE FLOOR PLANS -
SECOND TO SIXTH FLOOR

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

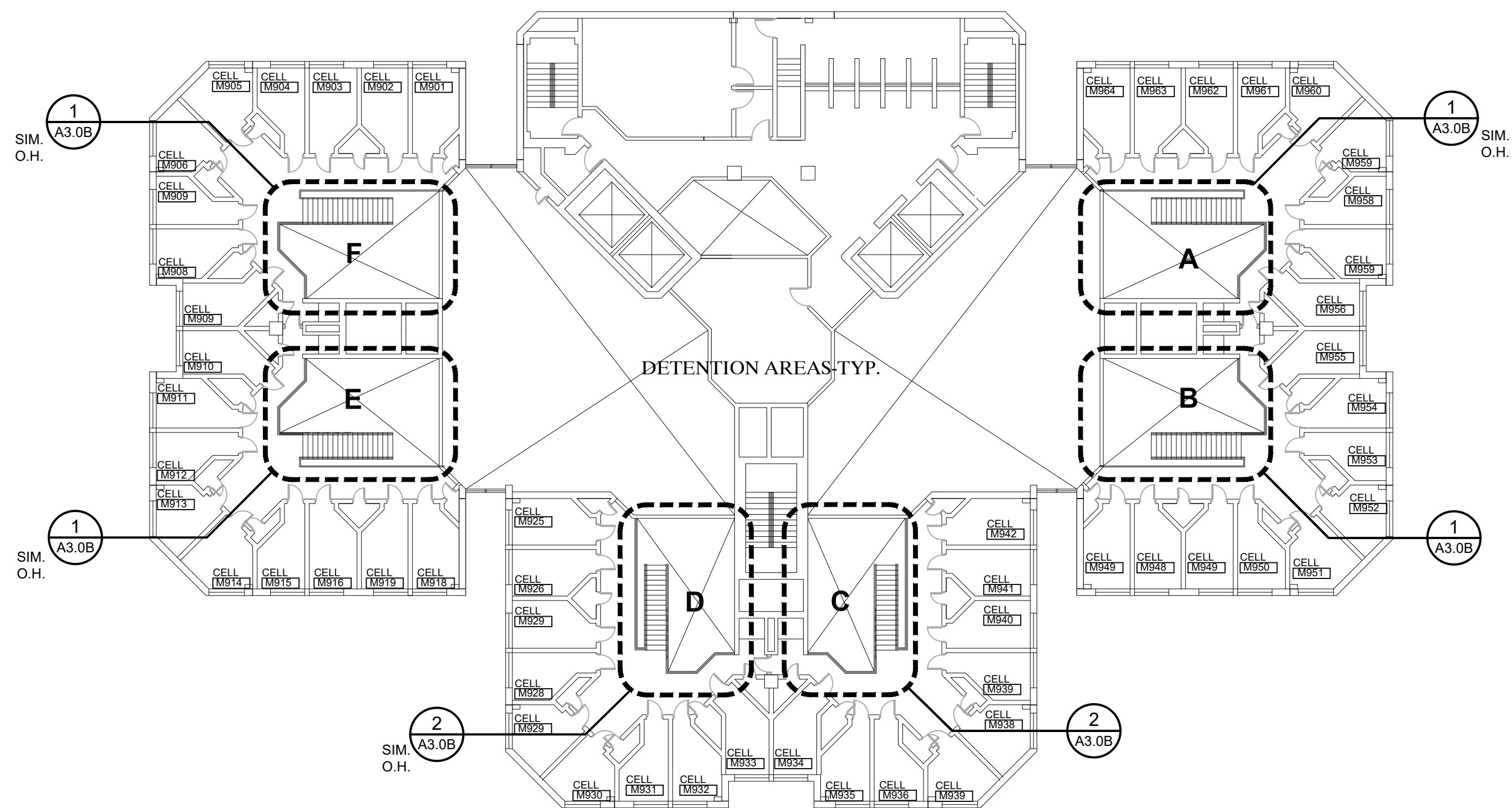
DRAWN BY: KAN
CHECKED BY: RAS

REVISIONS
BIDS: 08/28/2022

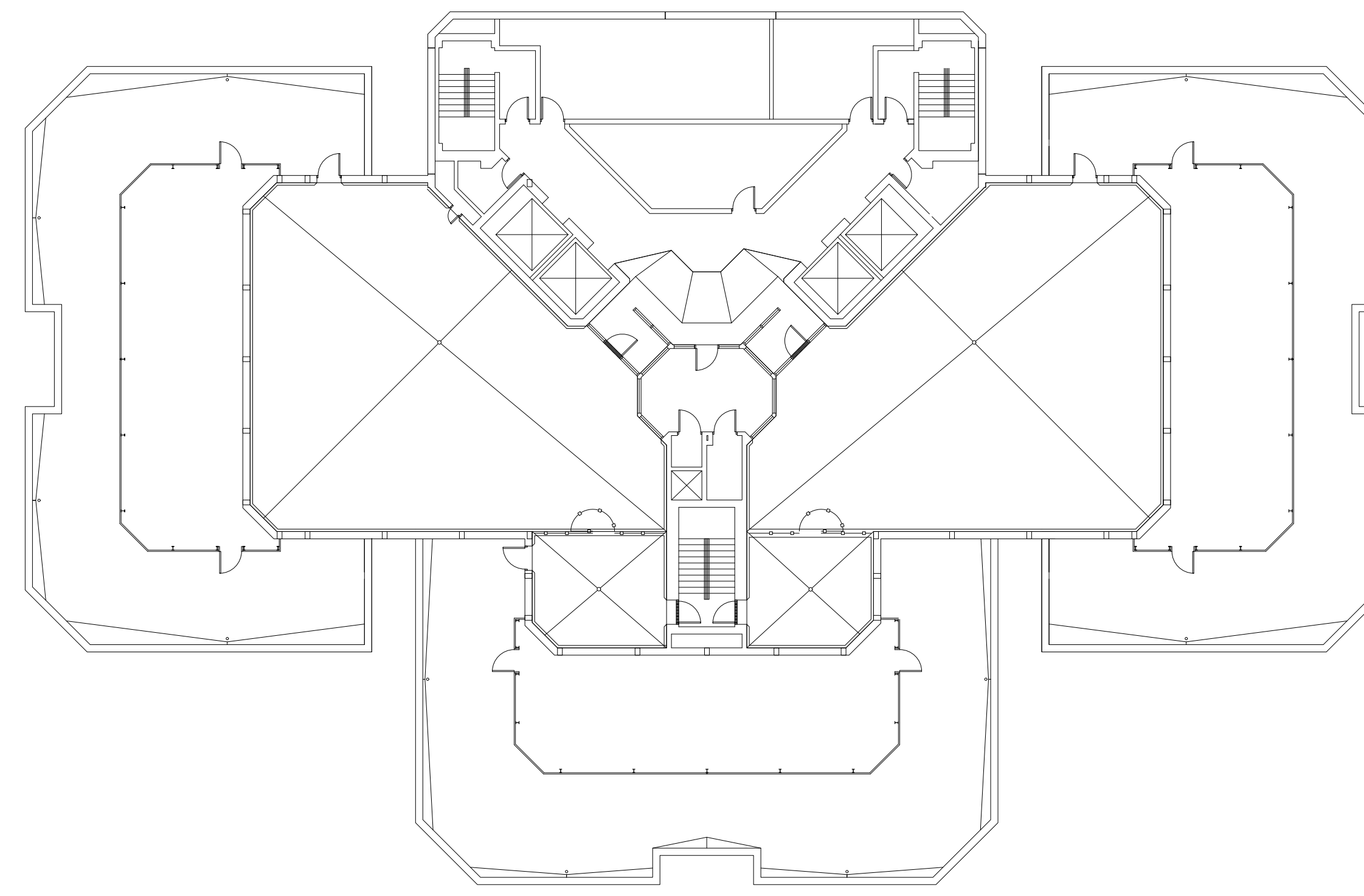
DATE: AUGUST 26, 2022
SHEET NO.

A0.3B

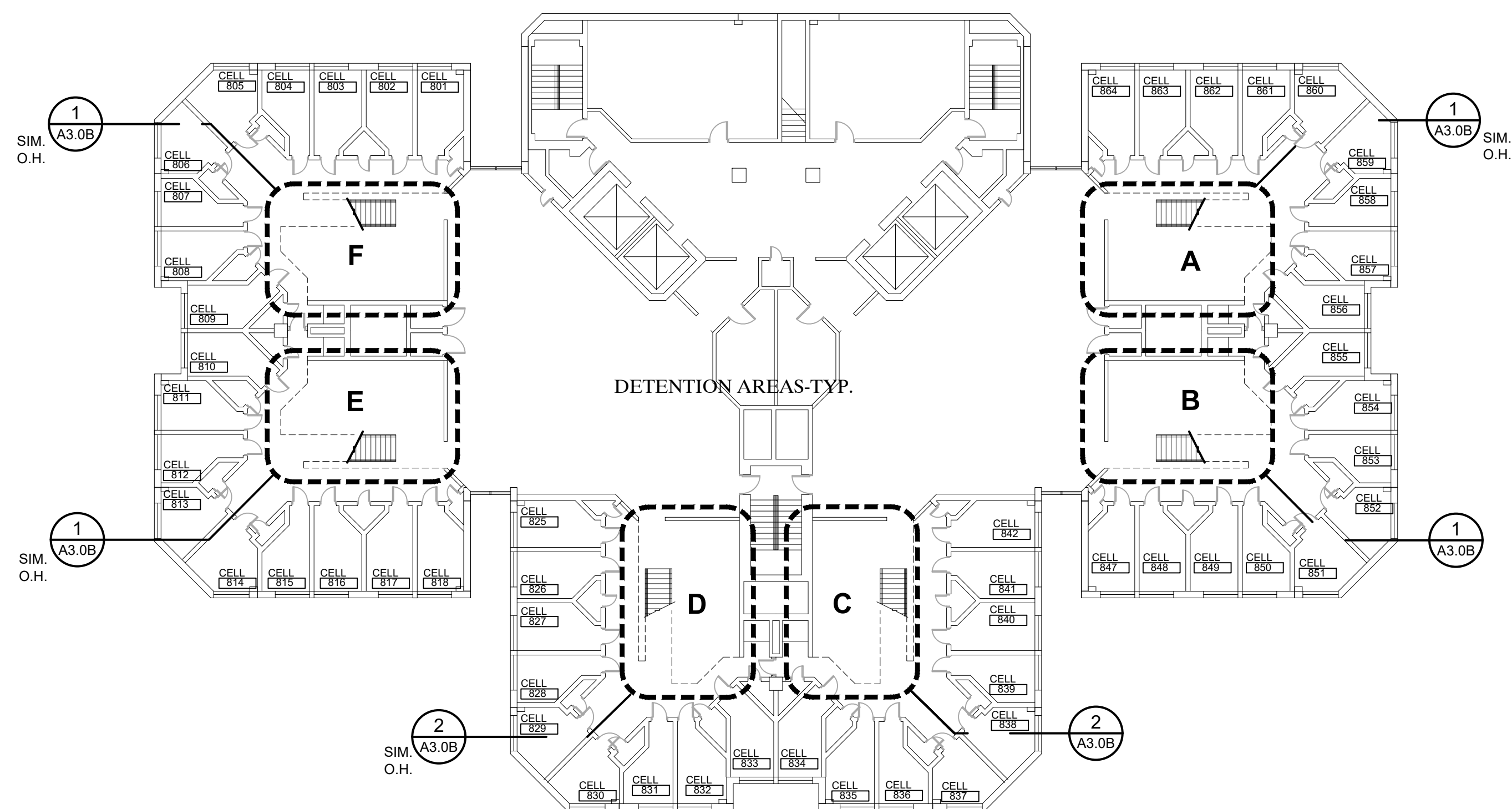
JOB NO. 221958



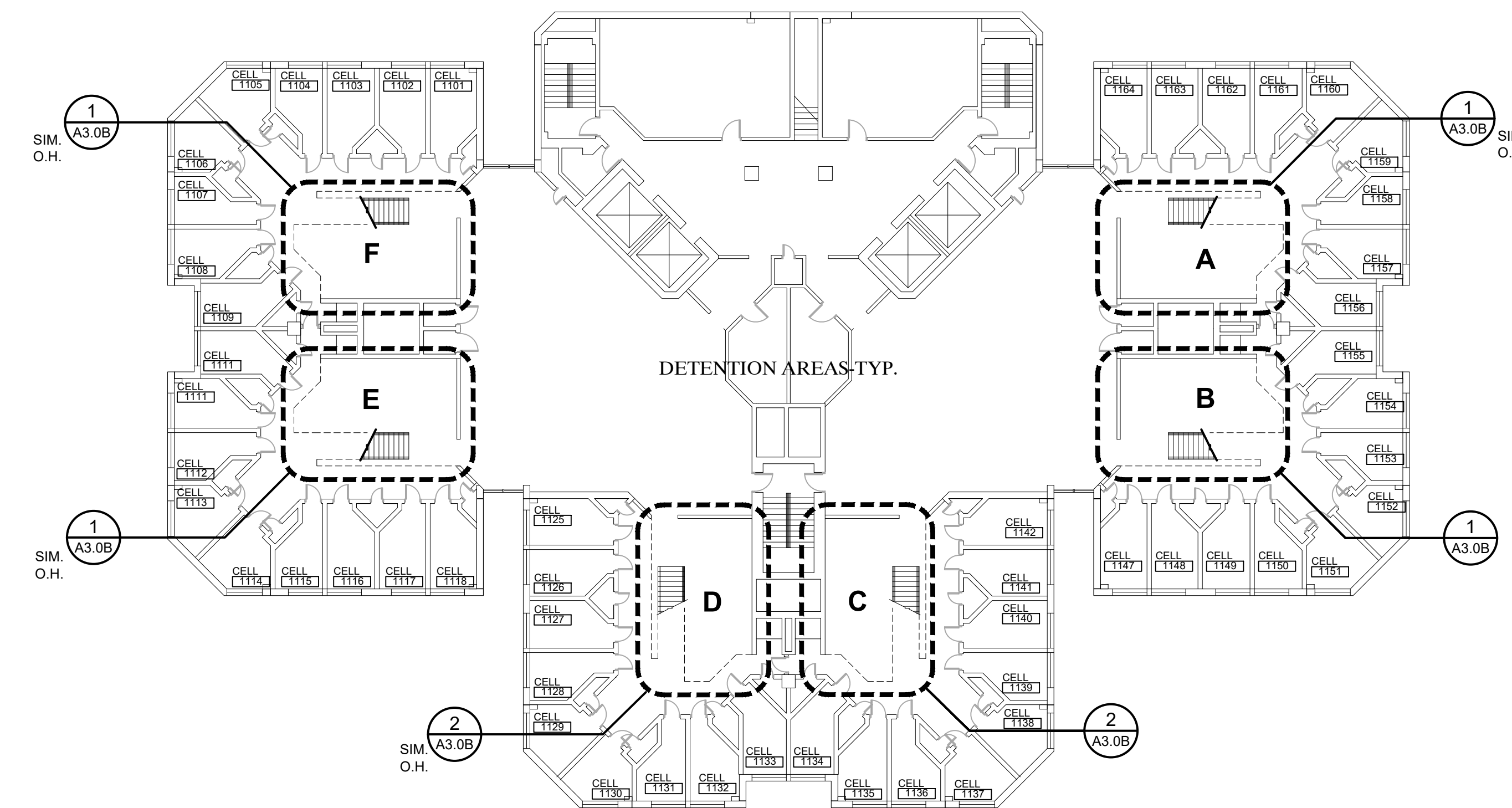
NINTH FLOOR PLAN
SCALE: 1/32"=1'-0"
11,938 S.F.



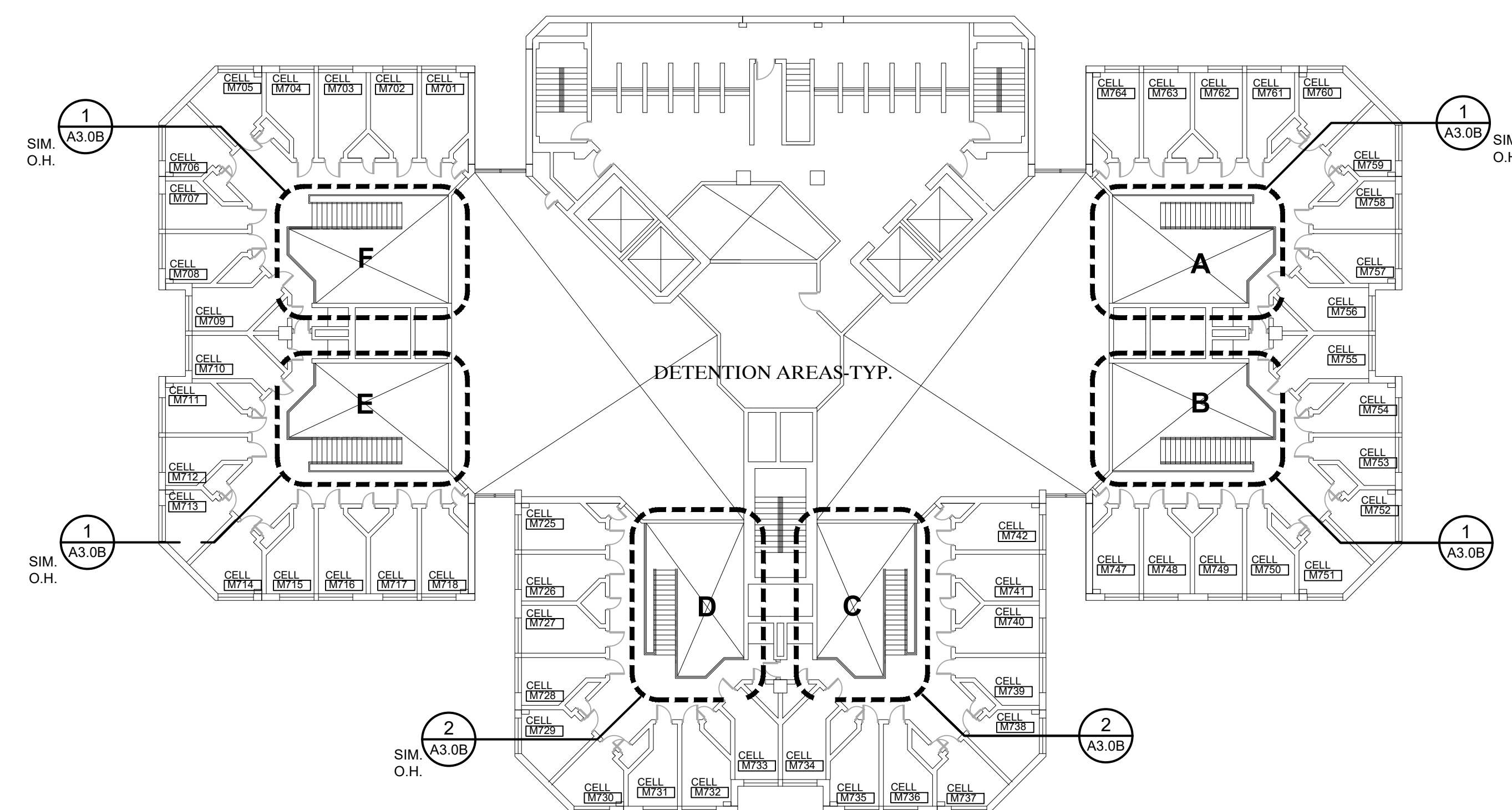
TWELFTH FLOOR PLAN
SCALE: 1/32"=1'-0"
3,575 S.F.



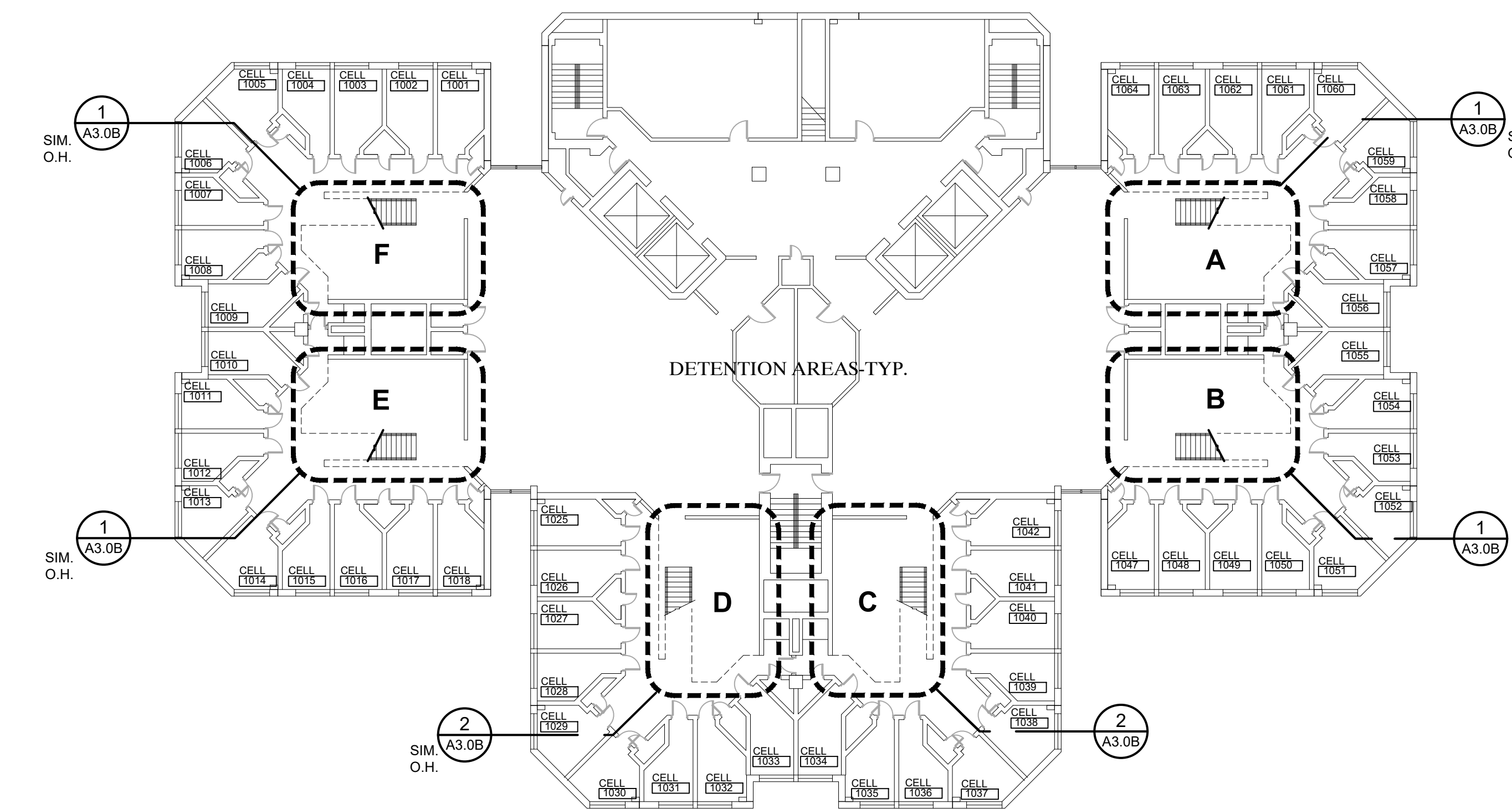
EIGHTH FLOOR PLAN
SCALE: 1/32"=1'-0"
17,304 S.F.



ELEVENTH FLOOR PLAN
SCALE: 1/32"=1'-0"
11,938 S.F.



SEVENTH FLOOR PLAN
SCALE: 1/32"=1'-0"
12,114 S.F.



TENTH FLOOR PLAN
SCALE: 1/32"=1'-0"
17,304 S.F.

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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

PROPOSAL B
UPPER LEVEL
COMPOSITE FLOOR PLANS -
SEVENTH TO TWELFTH
FLOORS

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: KAN

CHECKED BY: RAS

REVISIONS

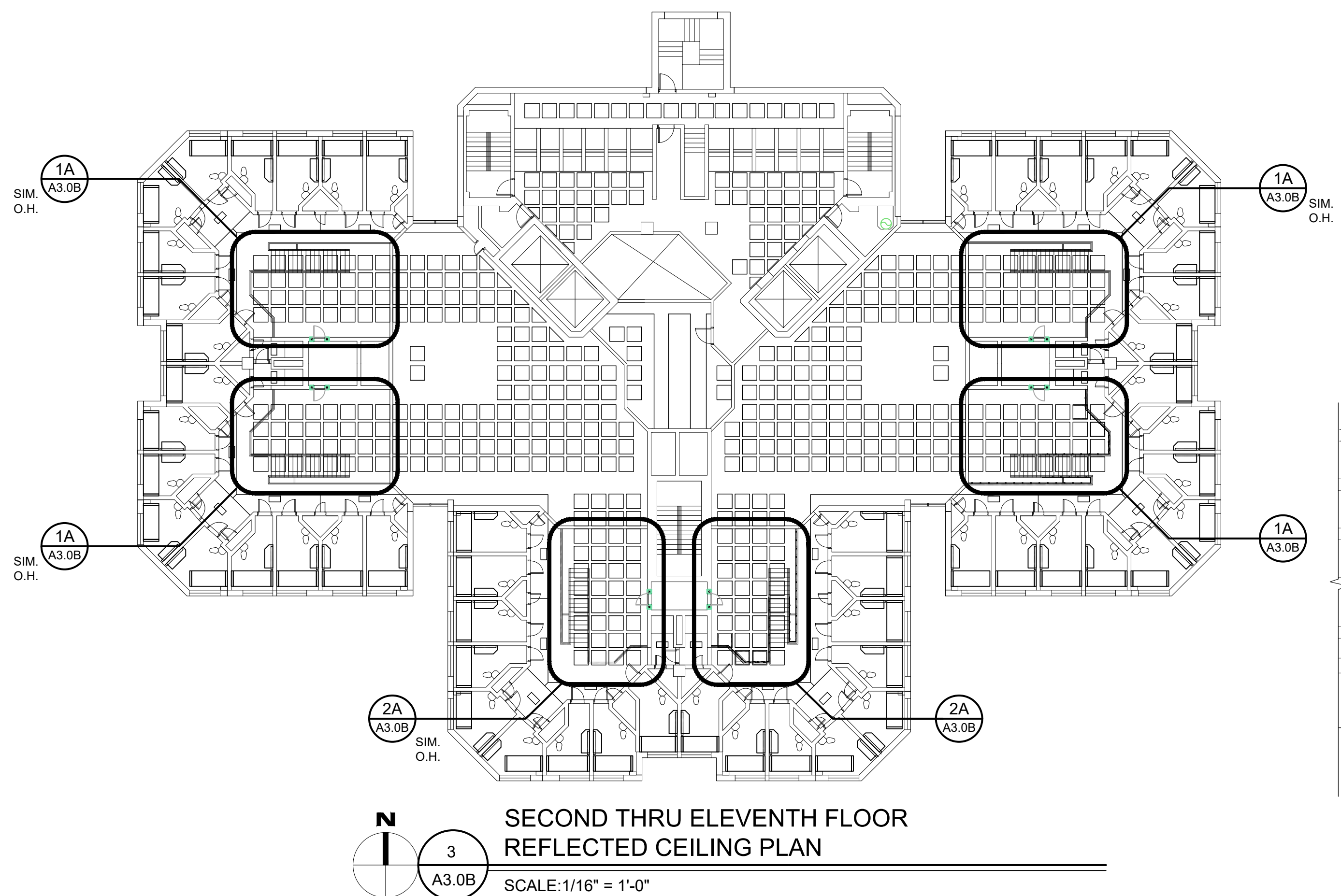
BIDS 08/28/2022

DATE: AUGUST 26, 2022

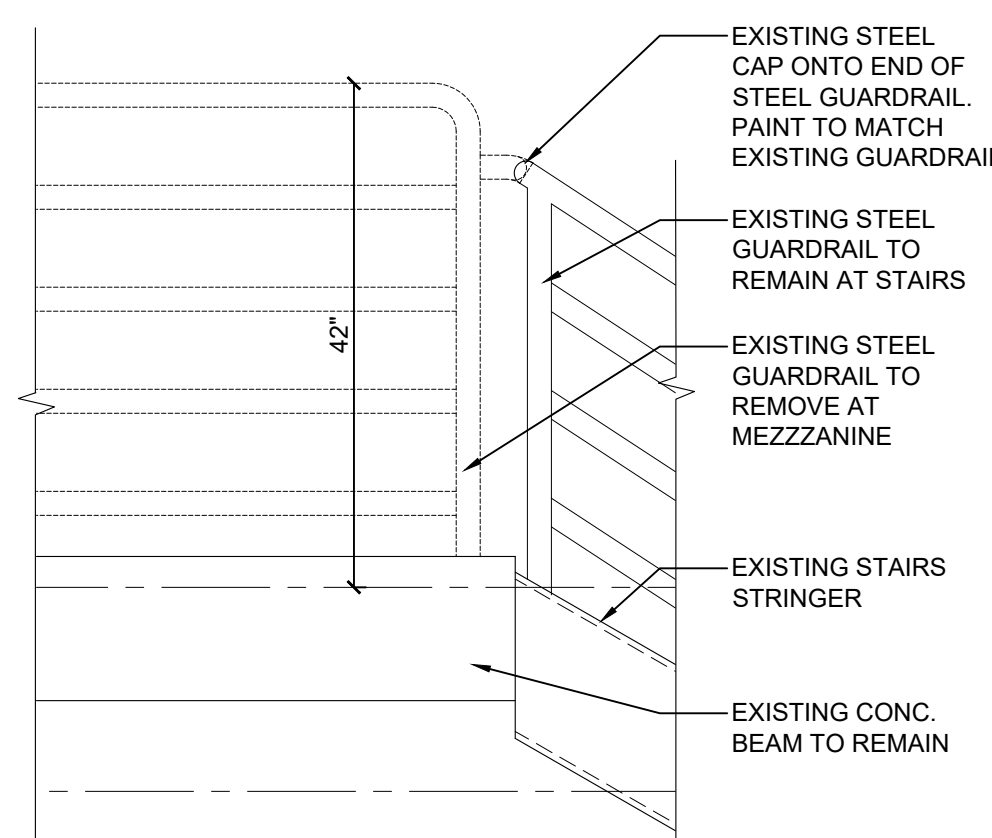
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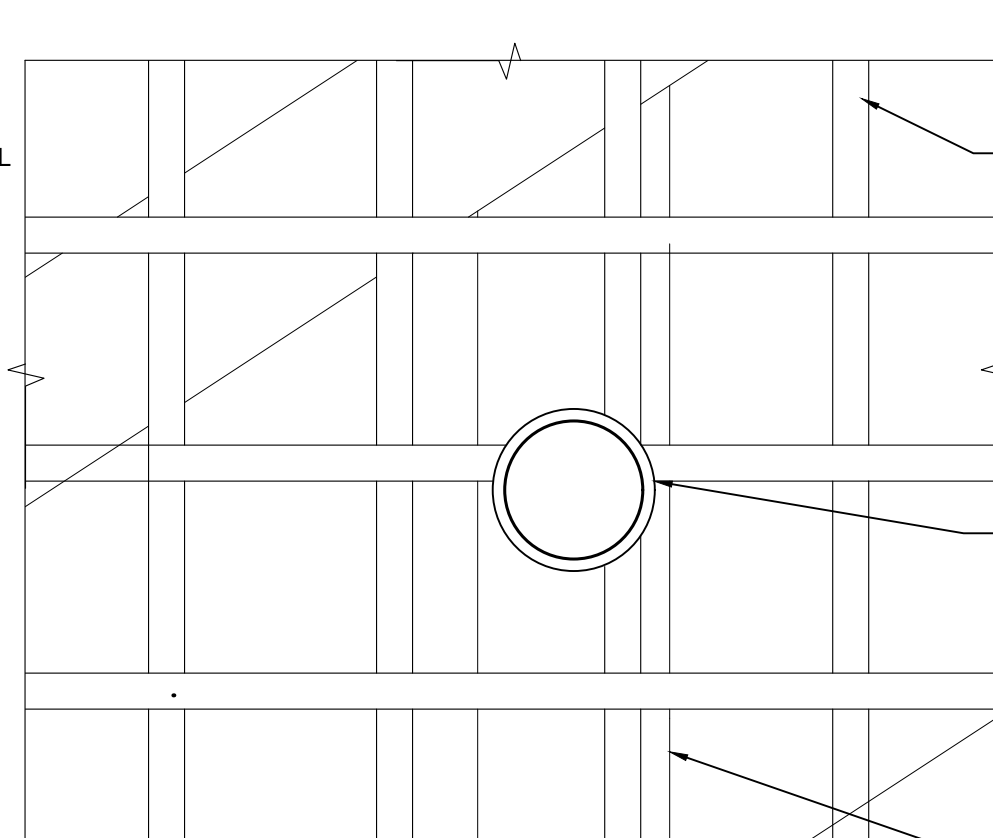
JOB NO. 221958



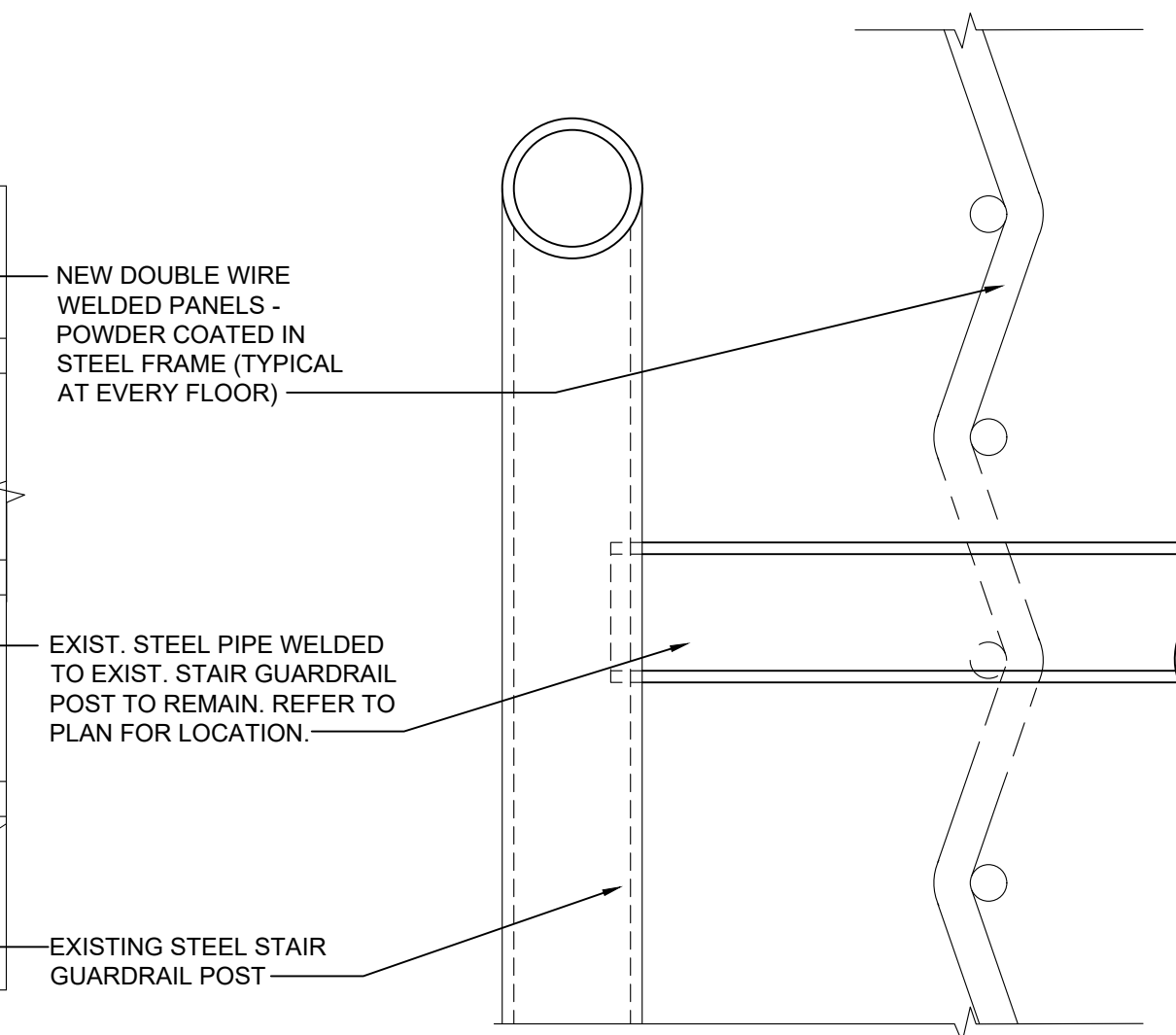
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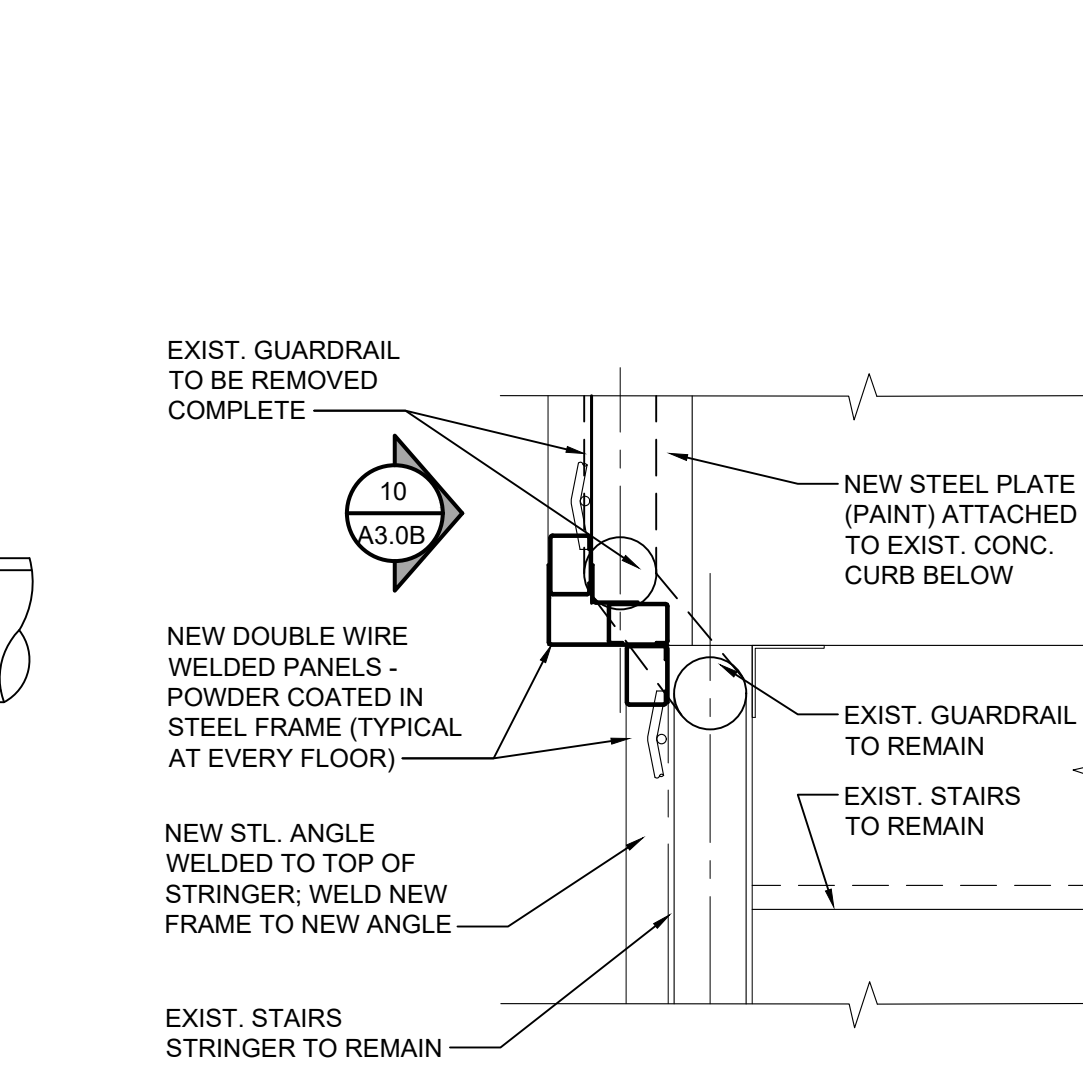
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SCALE: 3/4" = 1'-0"



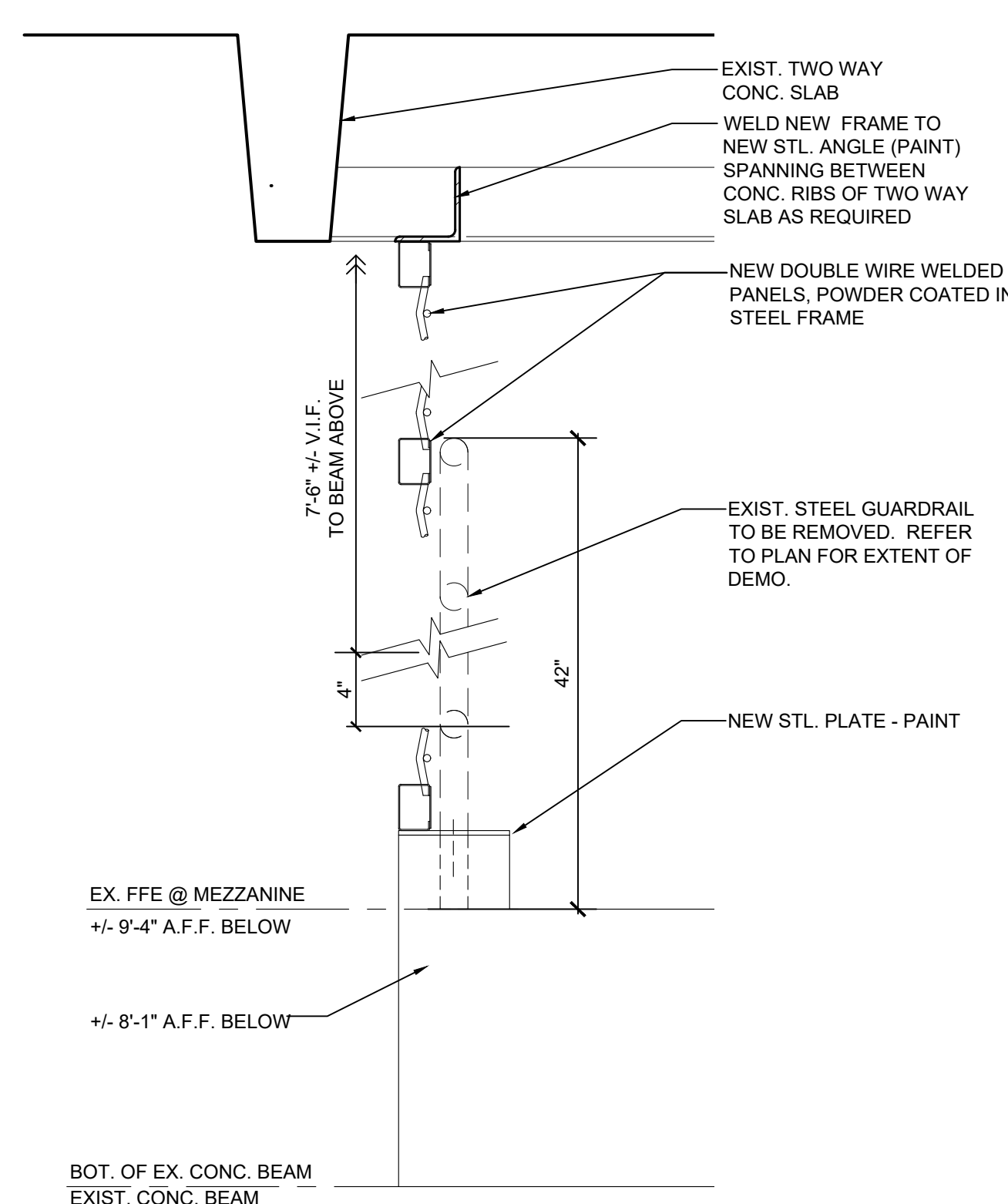
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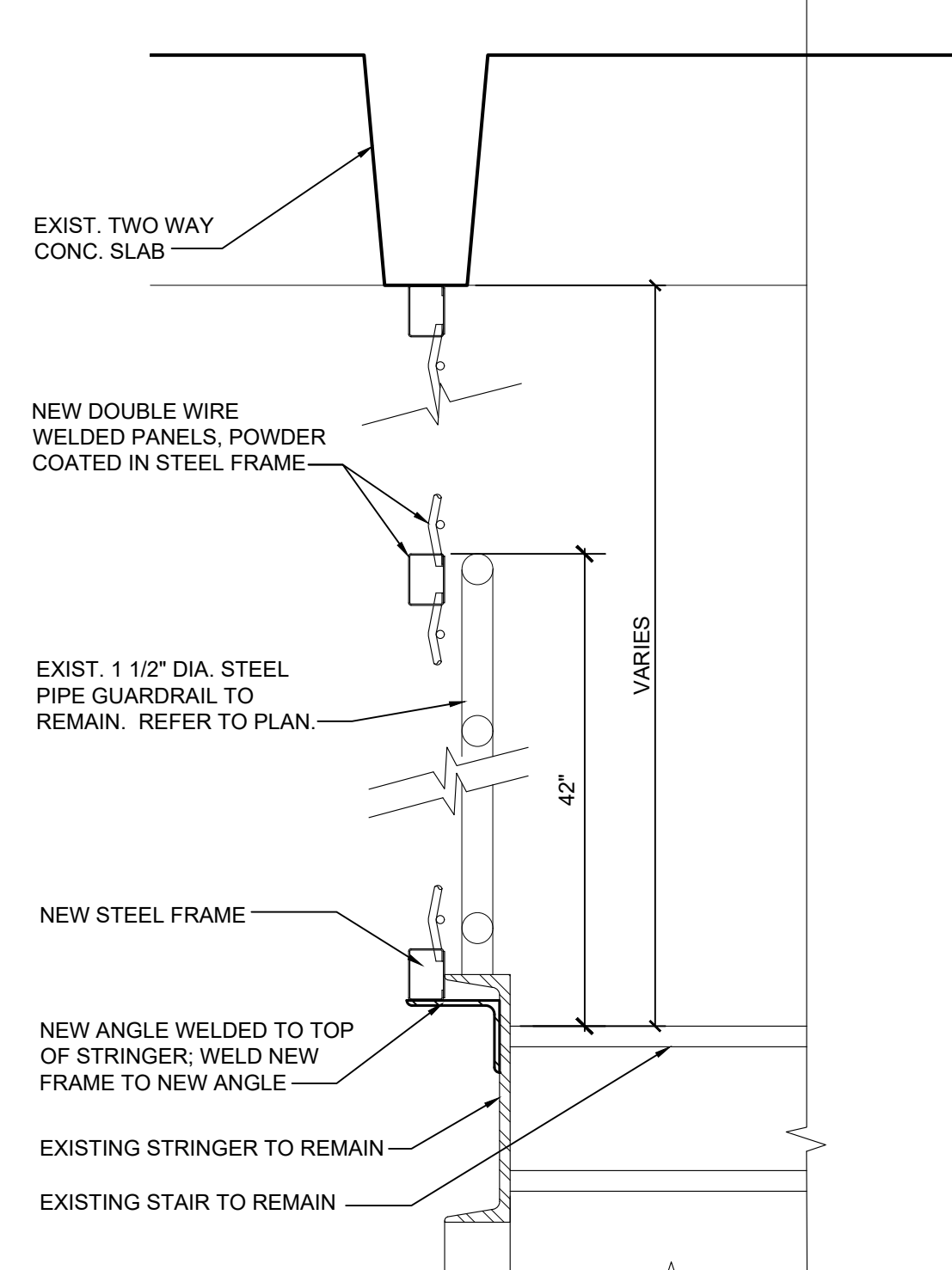
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SCALE: 6" = 1'-0"



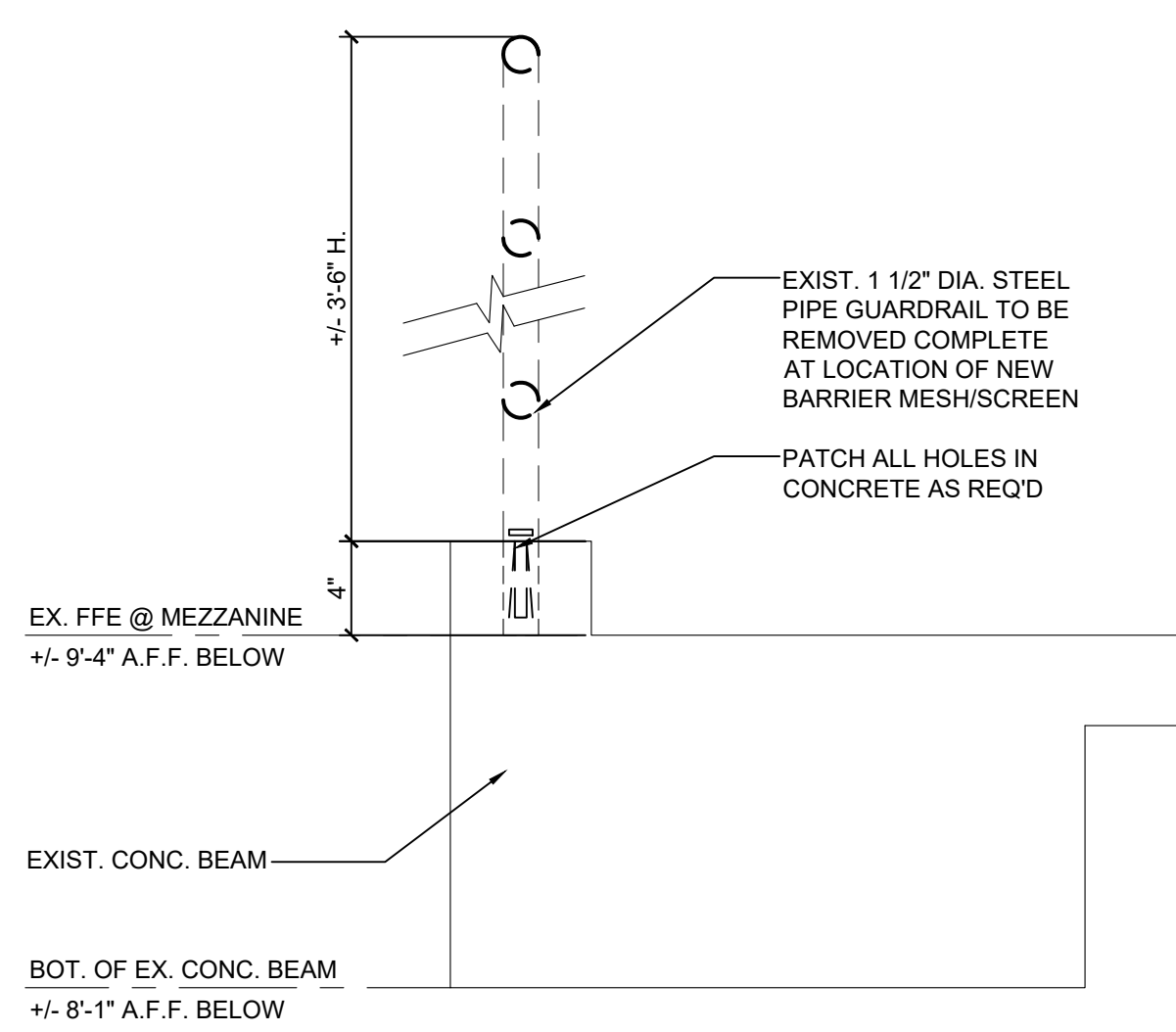
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SCALE: 1 1/2" = 1'-0"



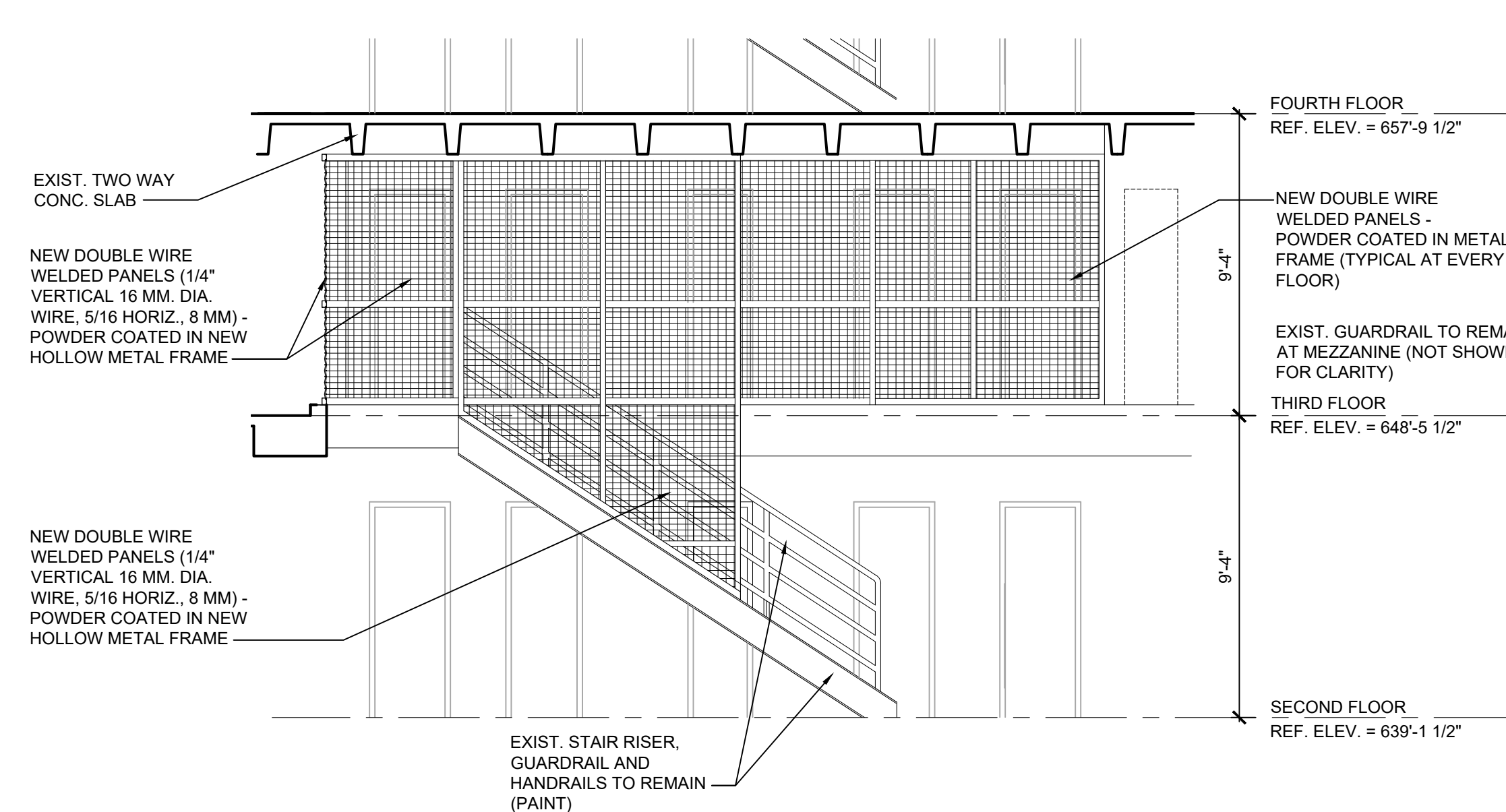
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SCALE: 1 1/2" = 1'-0"



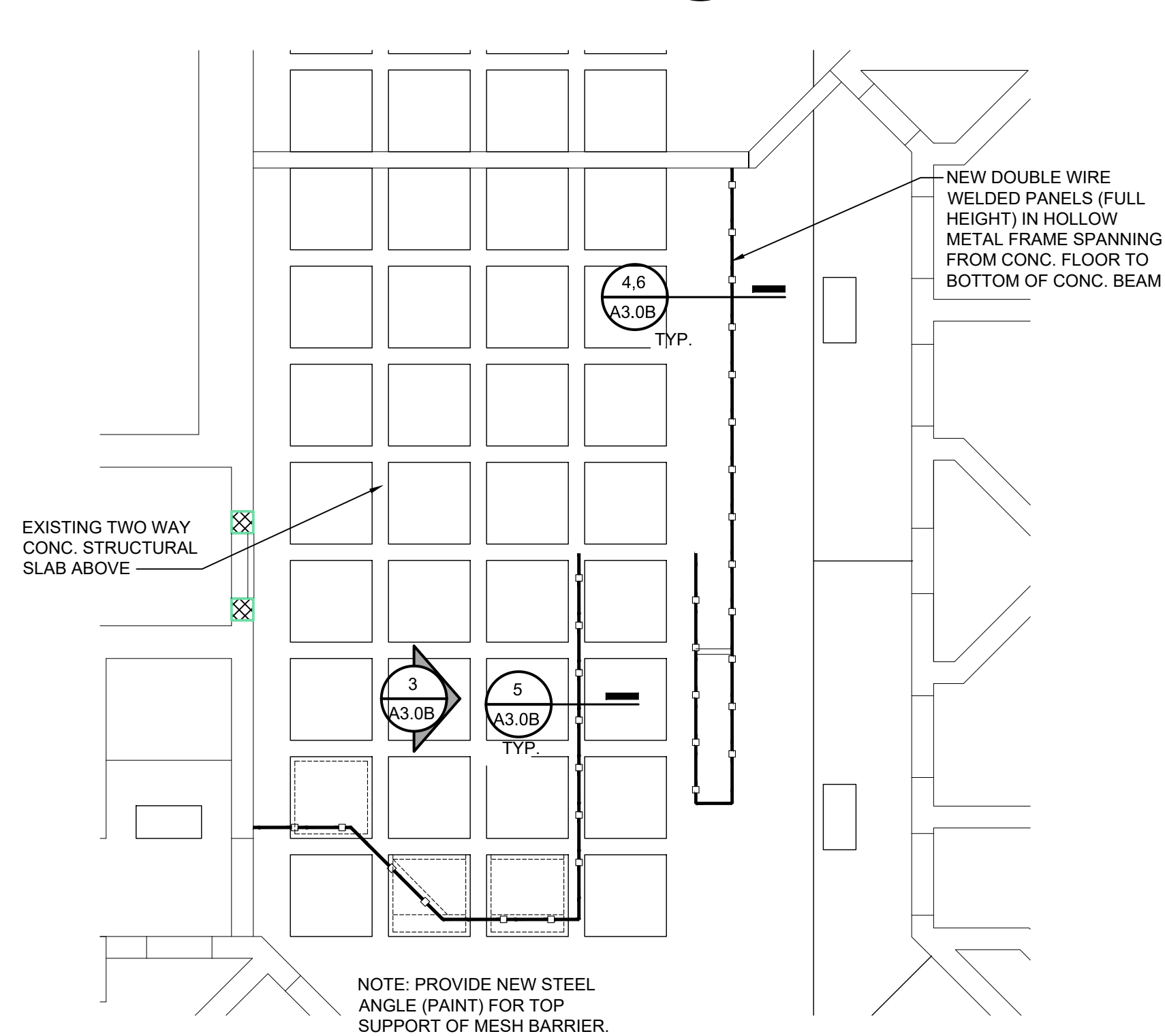
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SCALE: 1 1/2" = 1'-0"



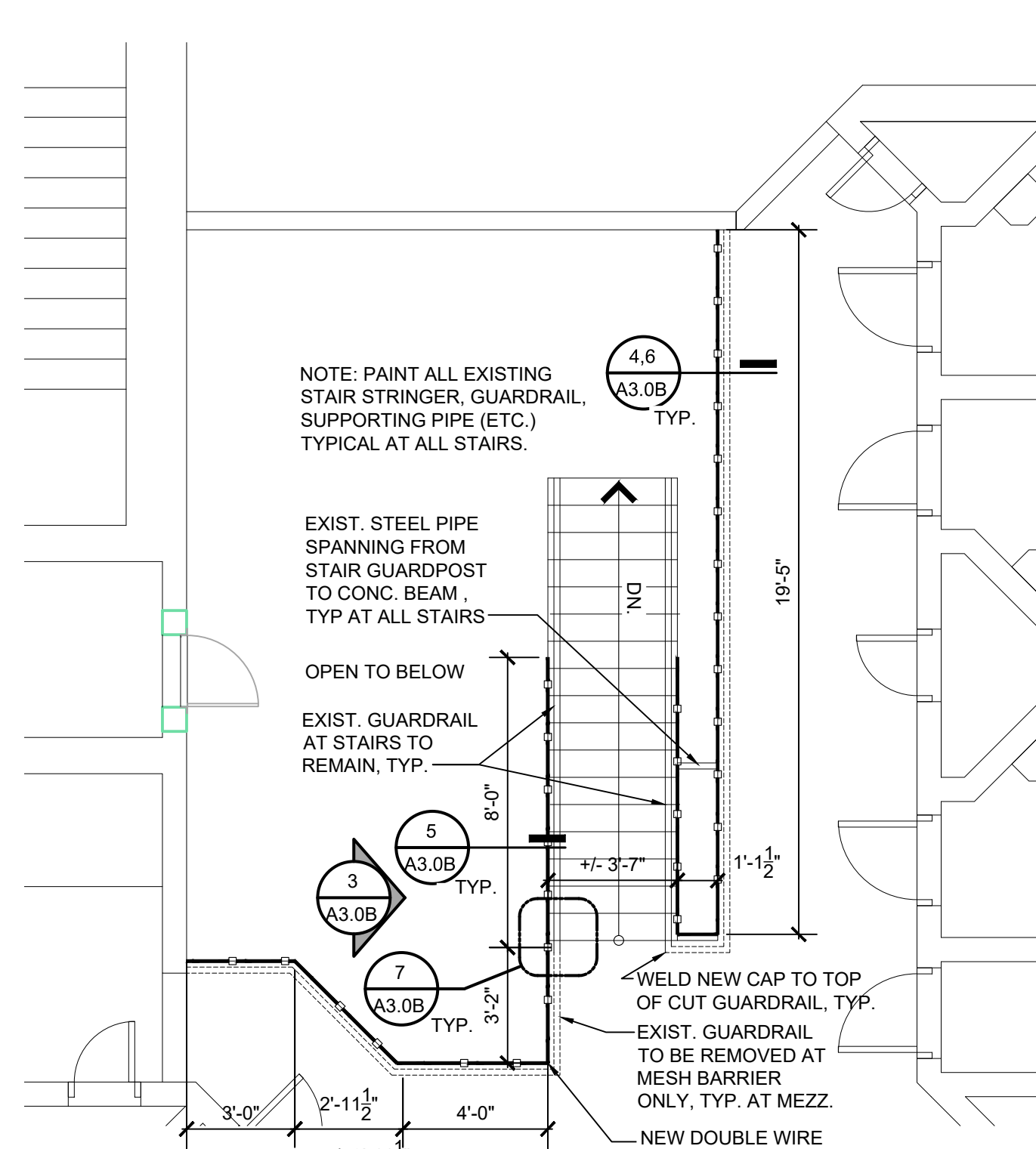
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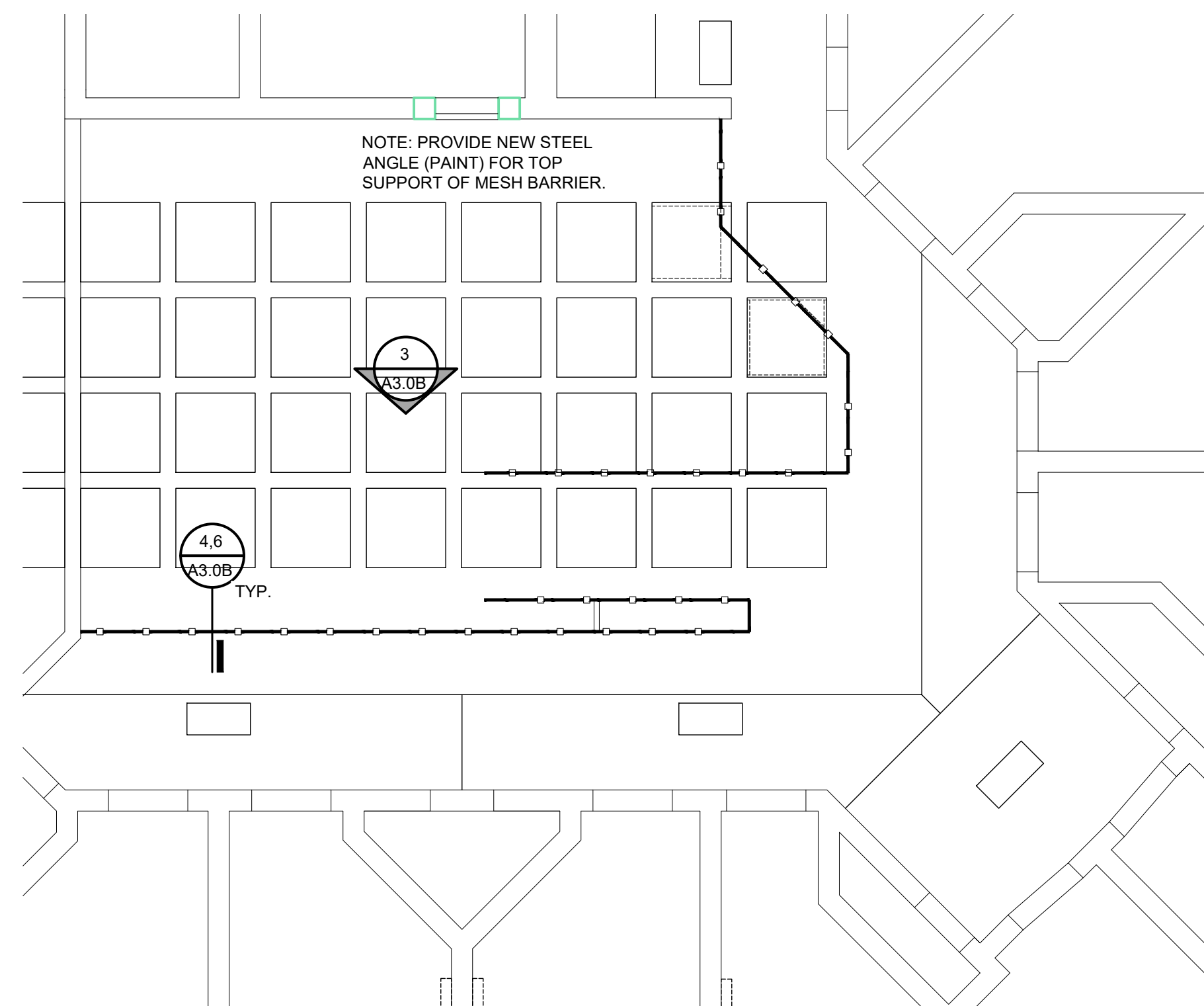
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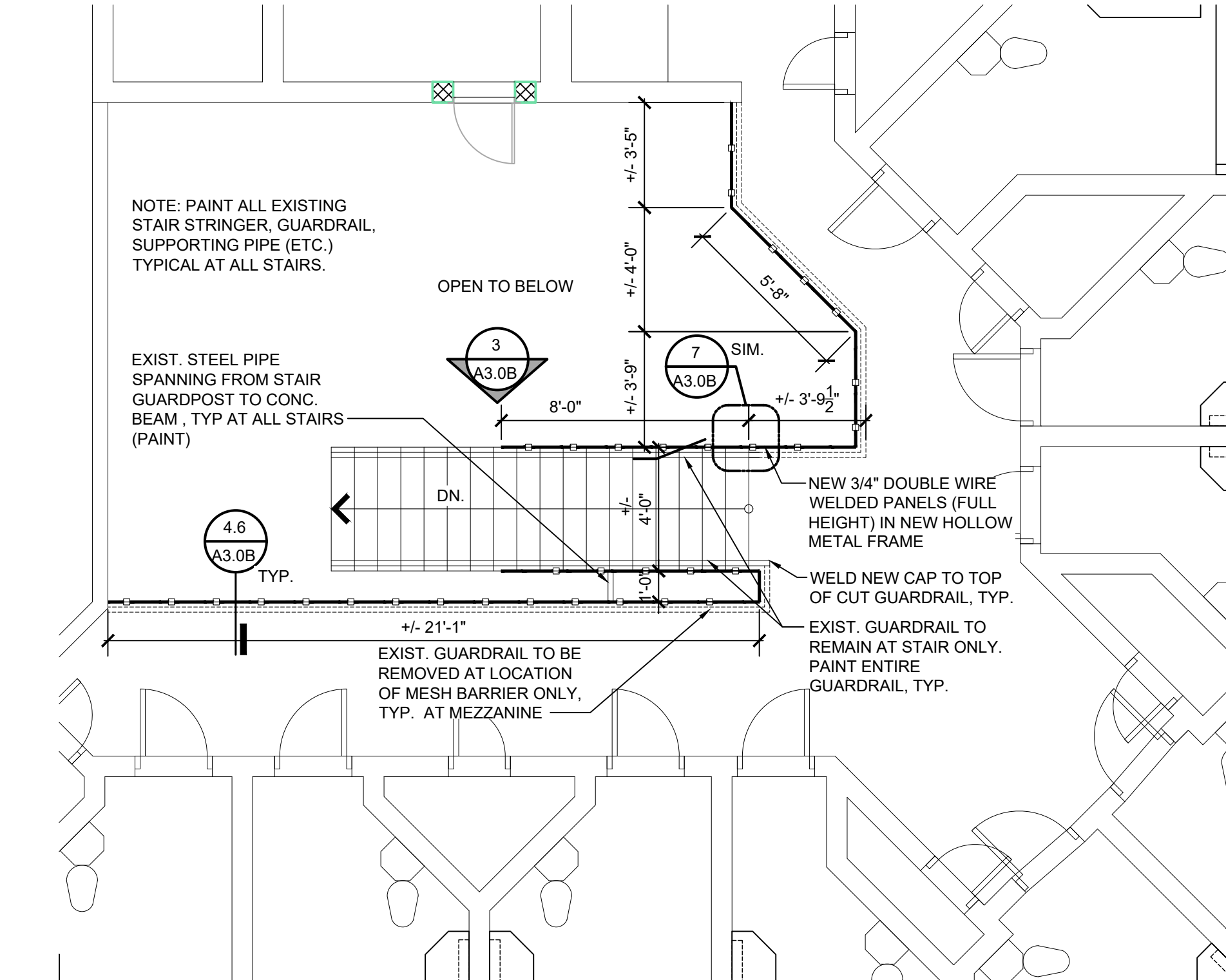
2A
A3.0B
SCALE: 1/4" = 1'-0"
REFER TO SHEET A1.0 FOR ALL NEW WORK LOCATION.



2
A3.0B
SCALE: 1/4" = 1'-0"
REFER TO SHEET A1.0 FOR ALL NEW WORK LOCATION.



1A
A3.0B
SCALE: 1/4" = 1'-0"
REFER TO SHEET A1.0 FOR ALL NEW WORK LOCATION.



1
A3.0B
SCALE: 1/4" = 1'-0"
REFER TO SHEET A1.0 FOR ALL NEW WORK LOCATION.

PROPOSAL B

ENLARGED FLOOR PLAN AND DETAILS

PRELIMINARY
DESIGN DEVELOPMENT
CONSTRUCTION
FINAL RECORD

DRAWN BY: KAN
CHECKED BY: RAS

REVISIONS

BIDS 08/26/2022

DATE: AUGUST 26, 2022

SHEET NO.

A3.0B

JOB NO. 221958

MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
MACOMB COUNTY JAIL

PROPOSAL C
COMPOSITE FLOOR PLAN
- BASEMENT

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
- FINAL RECORD

DRAWN BY: KAN
CHECKED BY: RAS

REVISIONS
BIDS 08/28/2022

DATE: AUGUST 26, 2022
SHEET NO.

A0.1C

JOB NO. 221958



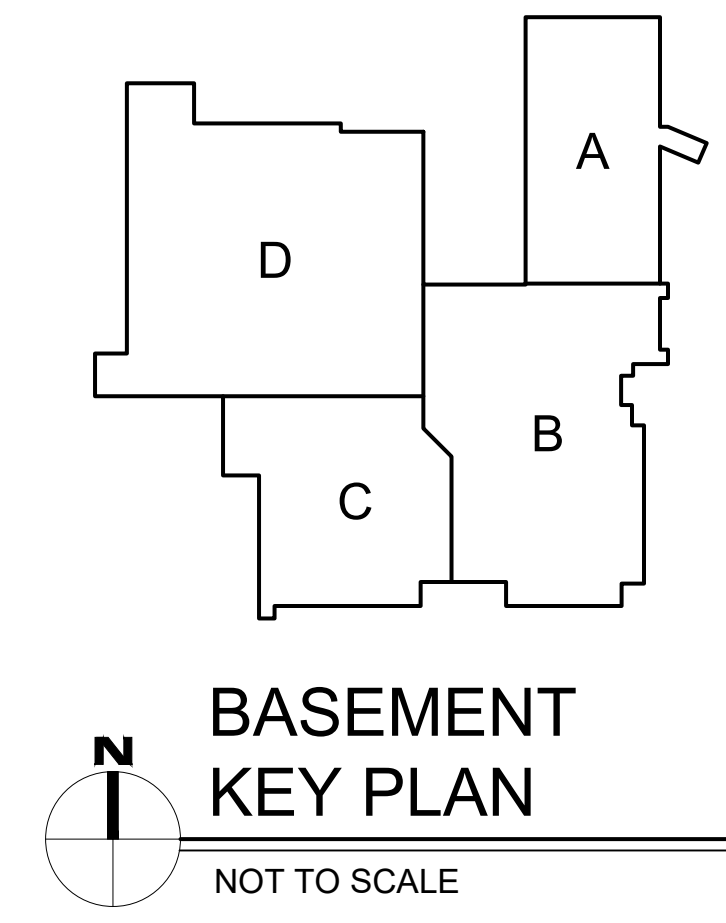
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Match Line "C"

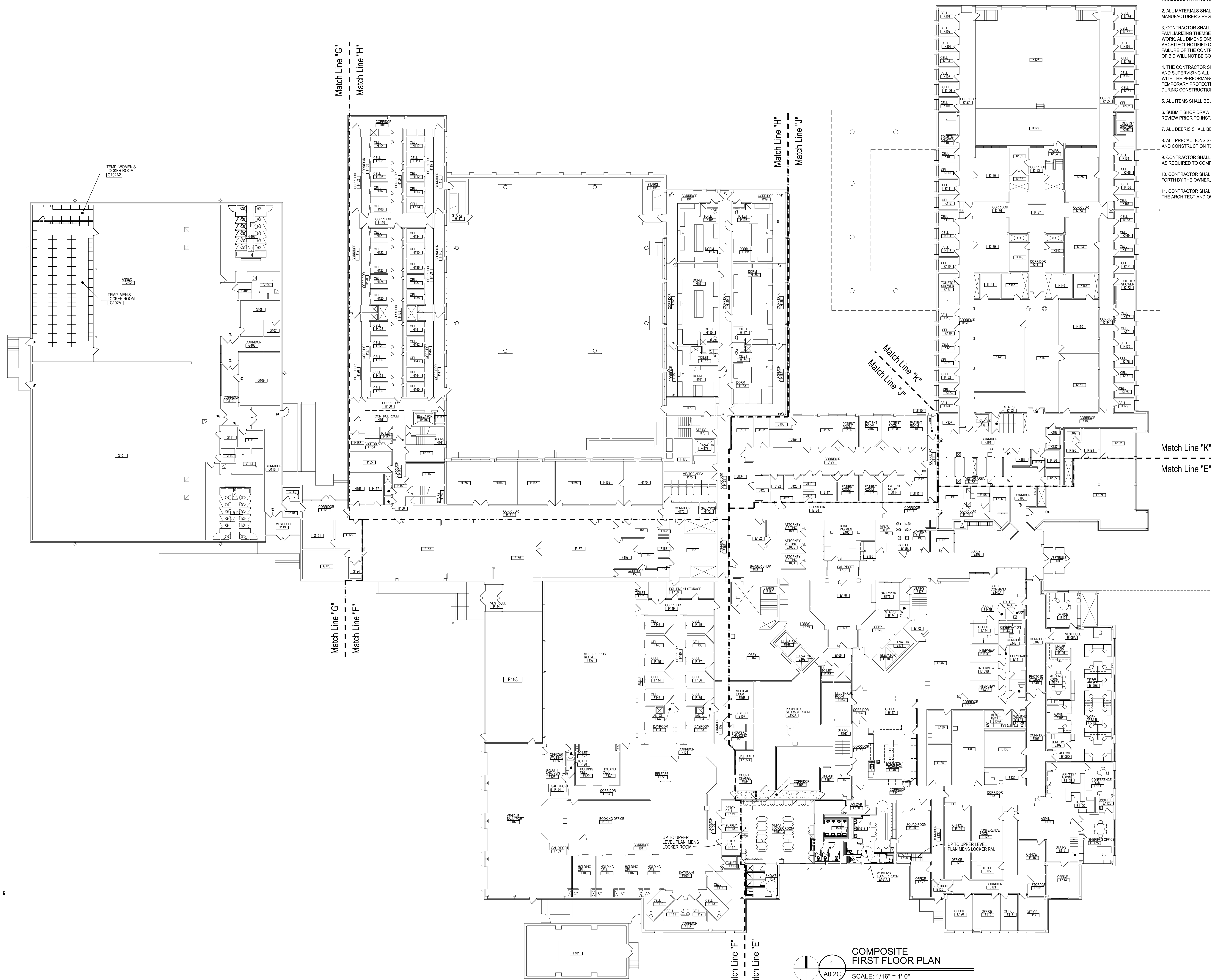
Match Line "D"
Match Line "A"

Match Line "A"
Match Line "B"

Match Line "C"
Match Line "B"

COMPOSITE BASEMENT FLOOR PLAN
SCALE: 1/16" = 1'-0"





1
A0.2C
COMPOSITE
FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"

TYPICAL CONSTRUCTION NOTES:

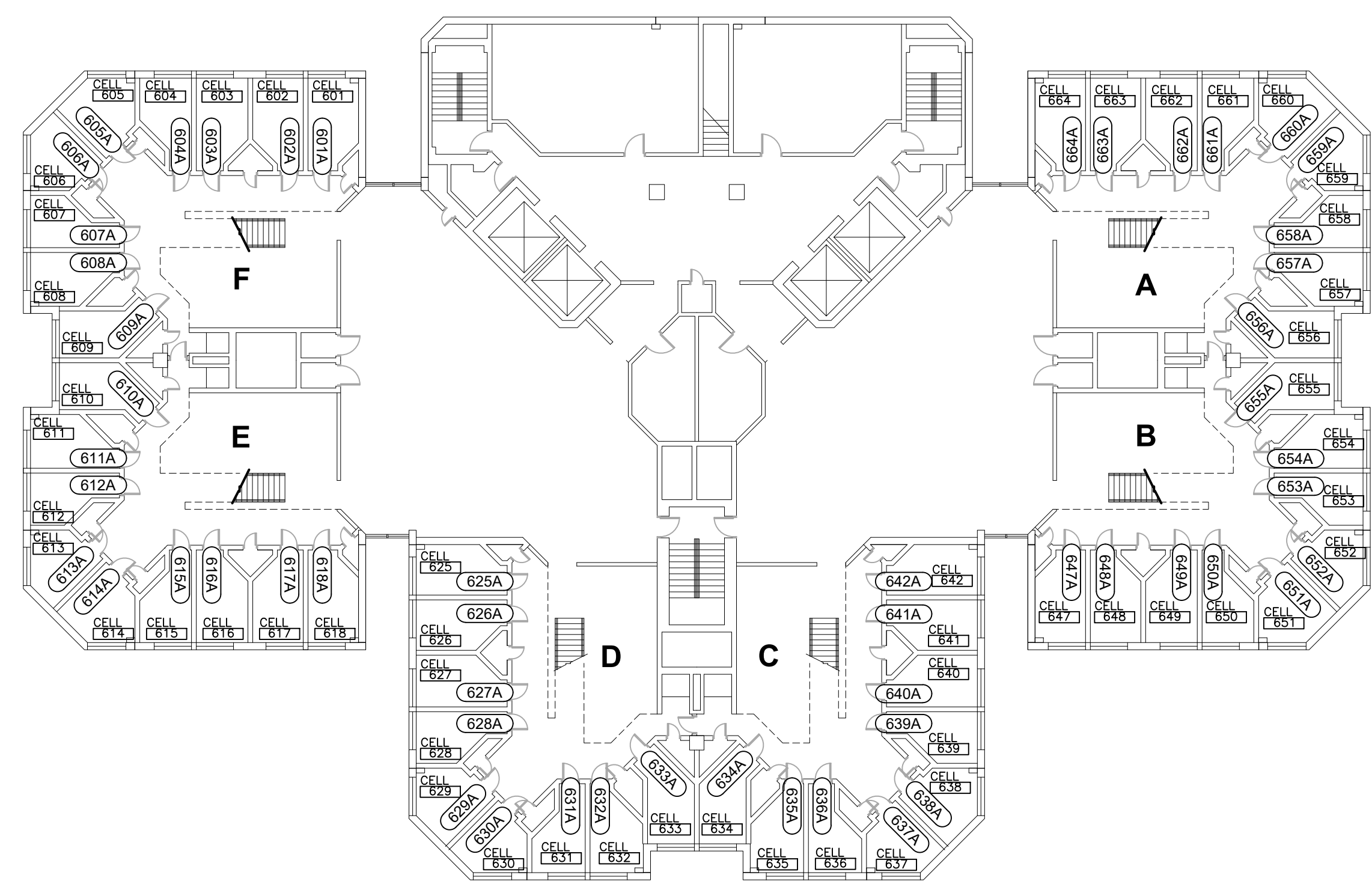
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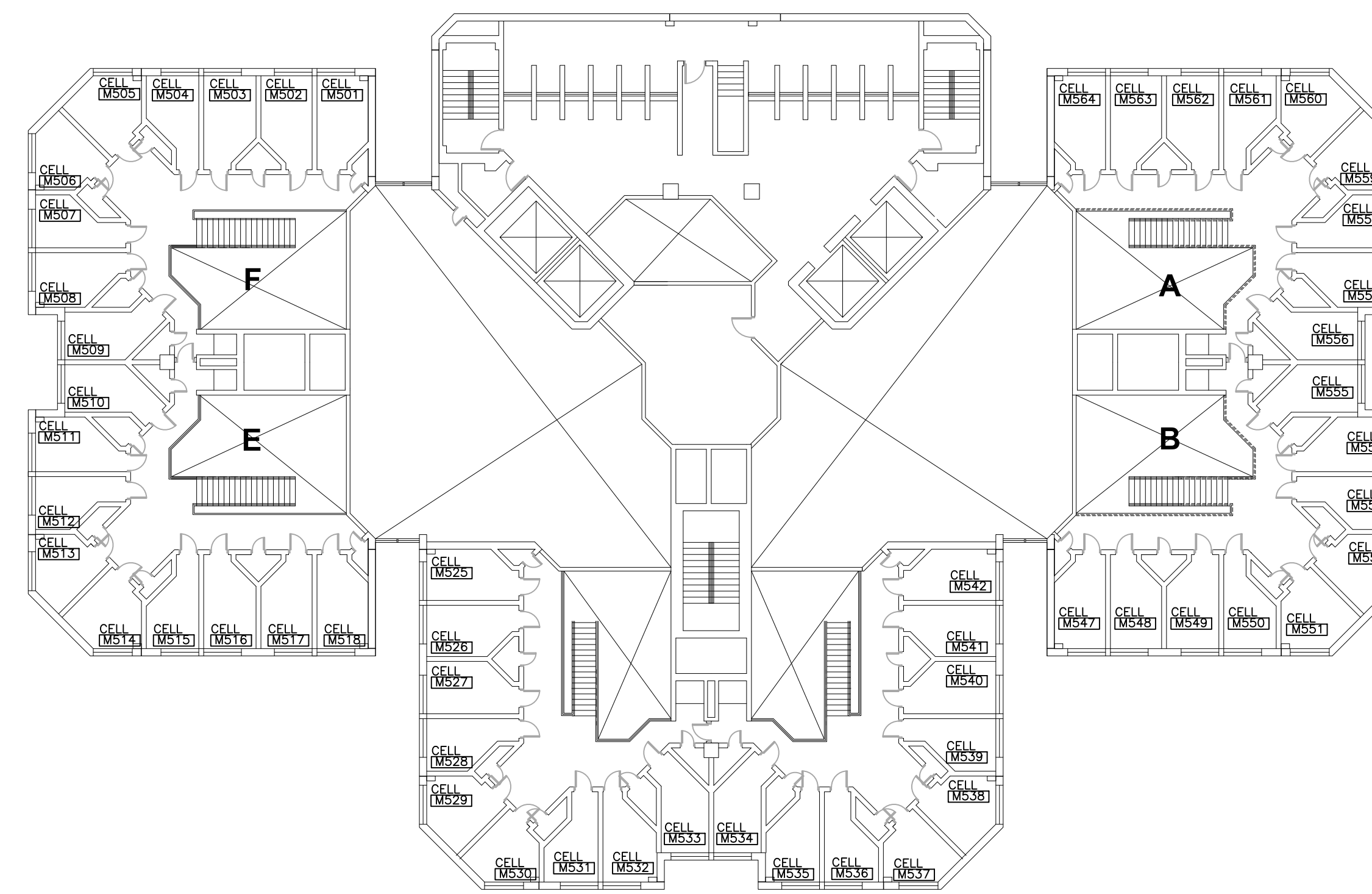
WAKELY ASSOCIATES, INC.
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MACOMB COUNTY EXECUTIVE
VARIOUS PROJECTS PROPOSAL A, B AND C
 MACOMB COUNTY JAIL

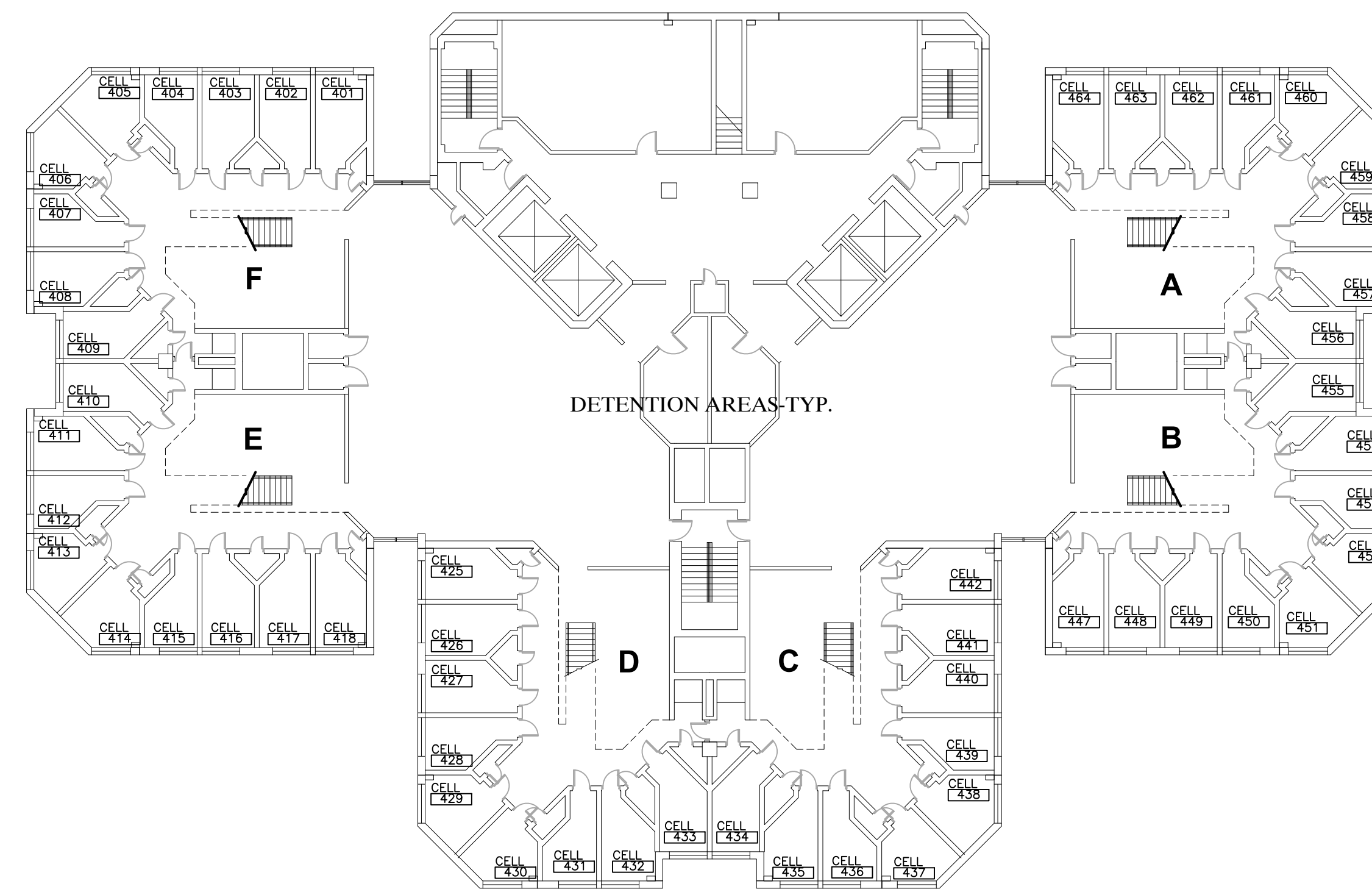
PROPOSAL C	
COMPOSITE FLOOR PLAN - FIRST FLOOR	
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DESIGN DEVELOPMENT	<input type="checkbox"/>
CONSTRUCTION	<input checked="" type="checkbox"/>
FINAL RECORD	<input type="checkbox"/>
DRAWN BY	...KAN
CHECKED BY	...RAS
REVISIONS	08/26/2022
BIDS	
DATE:	AUGUST 26, 2022
SHEET NO.	A0.2C
JOB NO.	221958



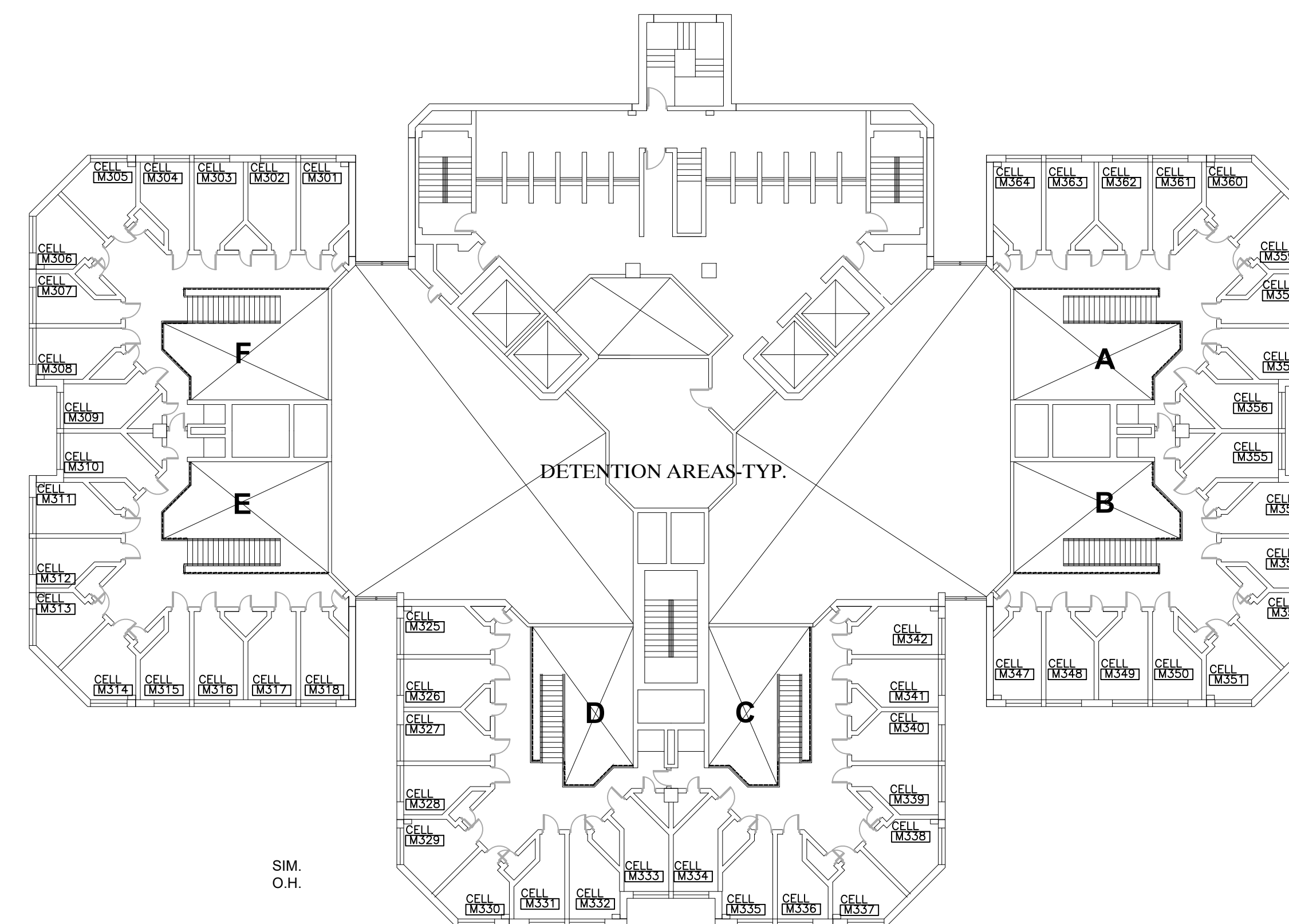
SIXTH FLOOR PLAN
SCALE: 1/32"=1'-0"
17,304 S.F.



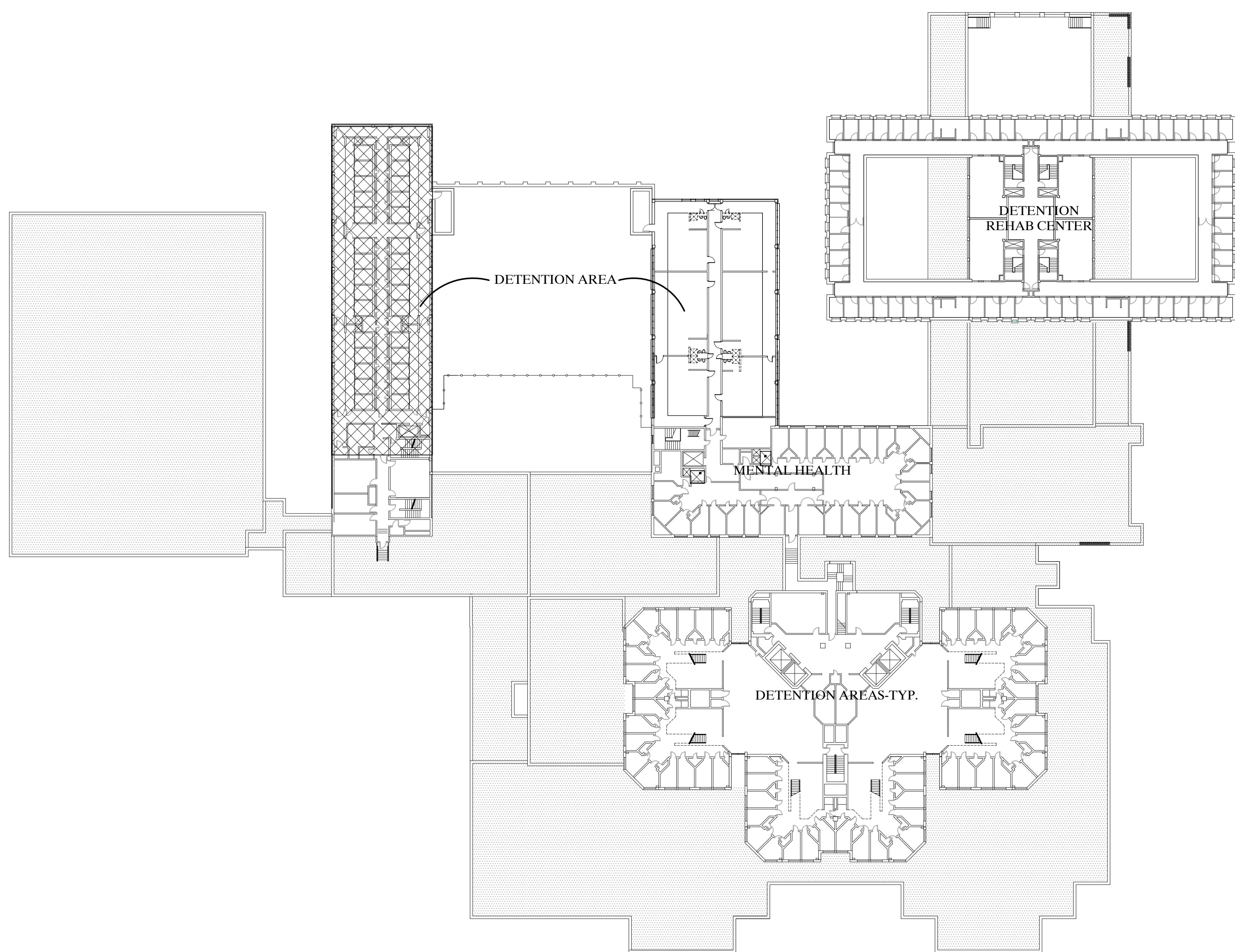
FIFTH FLOOR PLAN
SCALE: 1/32"=1'-0"
12,114 S.F.



FOURTH FLOOR PLAN
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NO NEW WORK

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NEW WORK KEYNOTES

- ① METAL DOOR AND FRAMES TO REMAIN. PREP & PAINT METAL DOORS & FRAMES, METAL ACCESS DOORS & FRAMES ON ALL SIDES.



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MACOMB COUNTY JAIL**

PROPOSAL C
UPPER LEVEL
COMPOSITE FLOOR PLANS -
SECOND TO SIXTH FLOOR

- PRELIMINARY
- DESIGN DEVELOPMENT
- CONSTRUCTION
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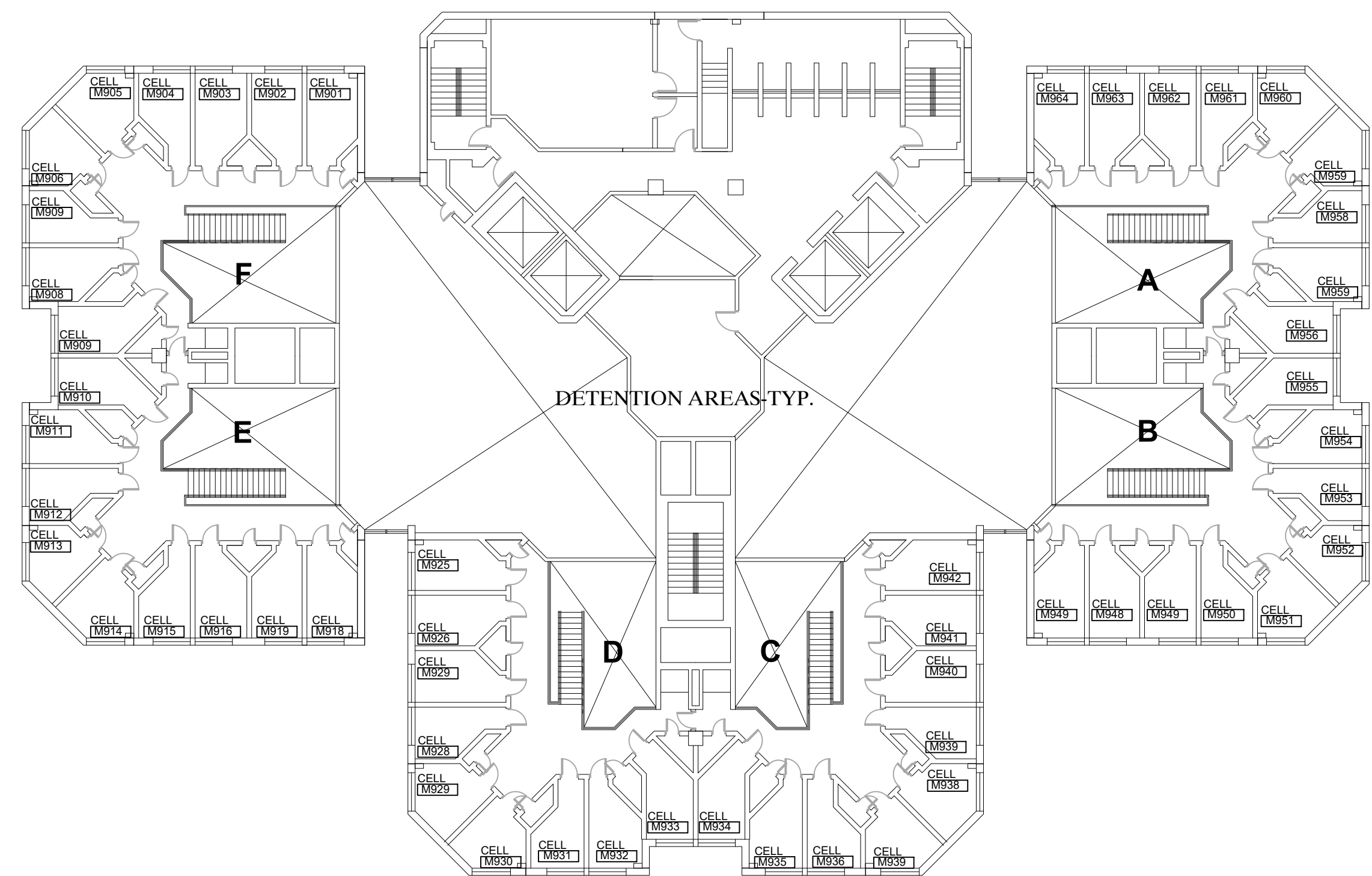
DRAWN BY: KAN
CHECKED BY: RAS

REVISIONS
BIDS: 08/28/2022

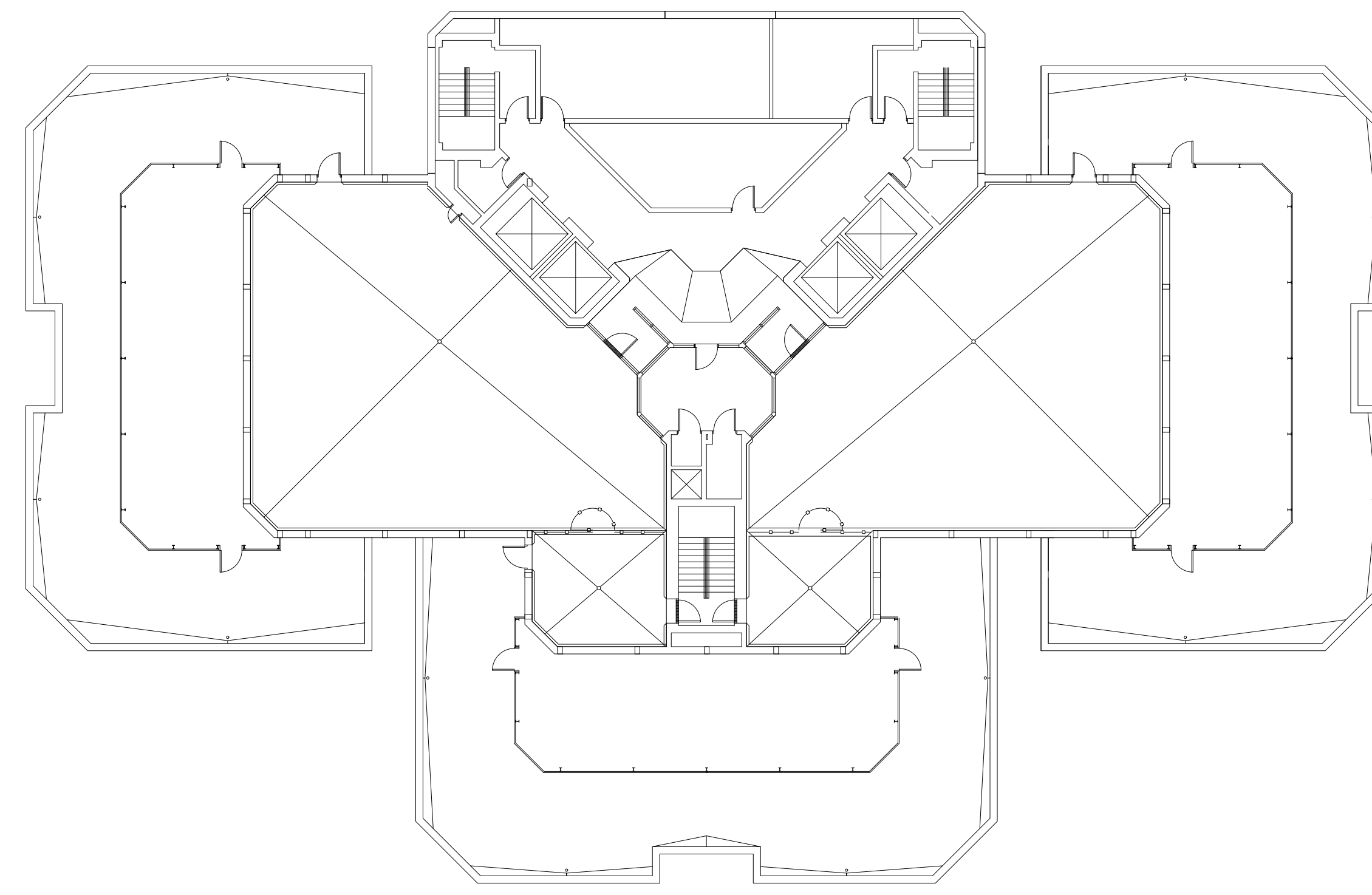
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SHEET NO.

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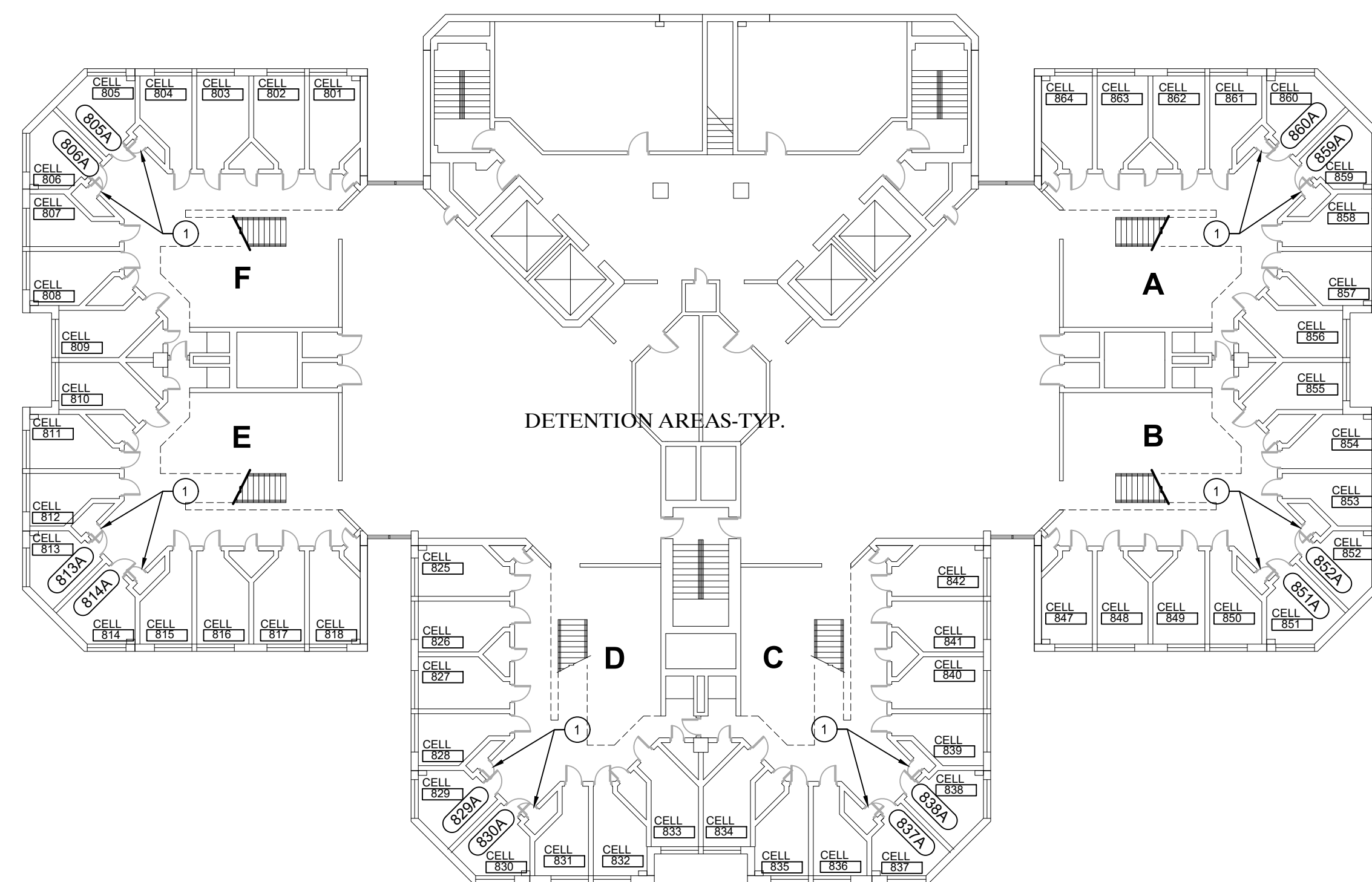
JOB NO.
221958



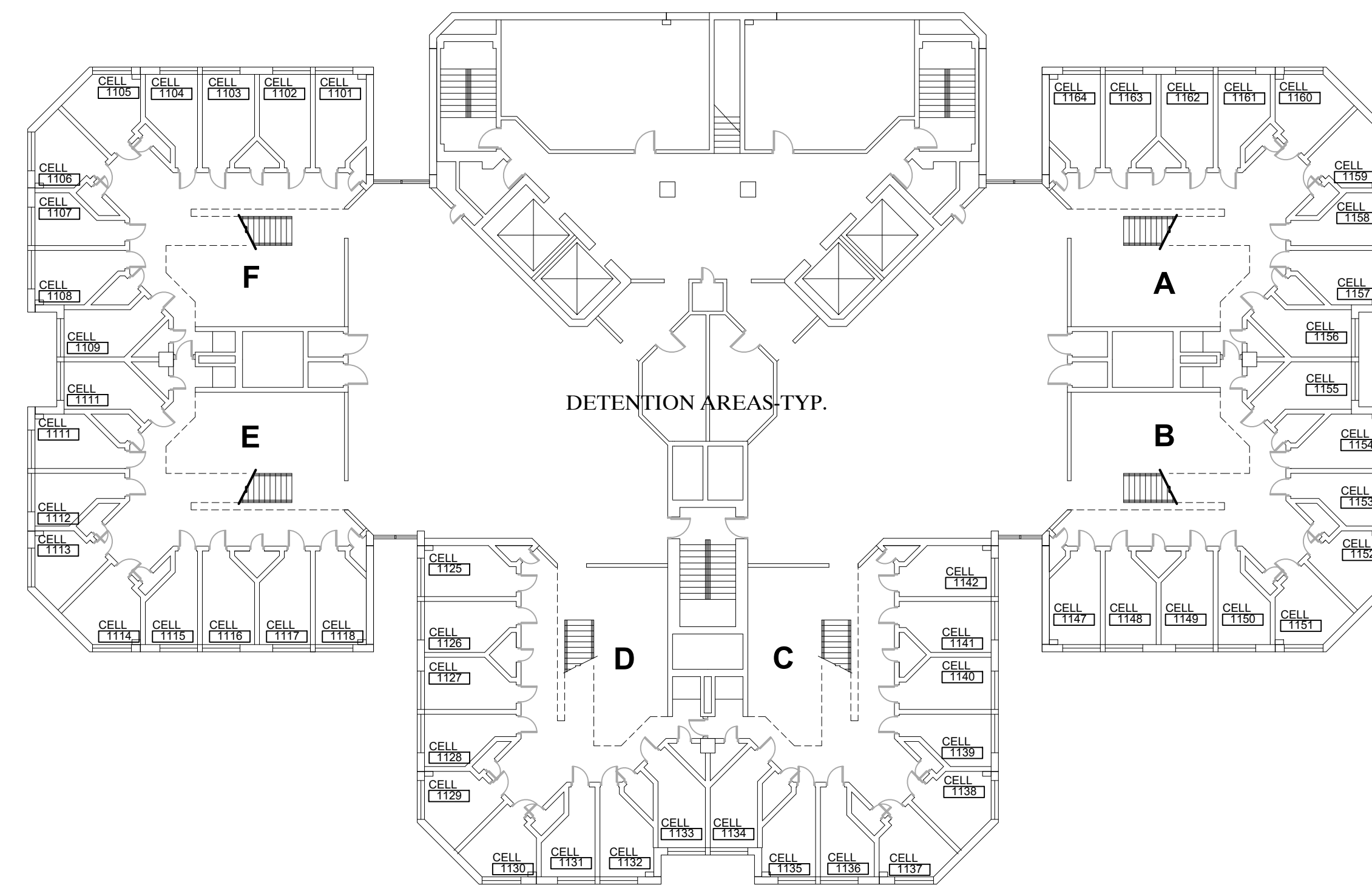
N
NINTH FLOOR PLAN
 SCALE: 1/32"=1'-0"
11,938 S.F.



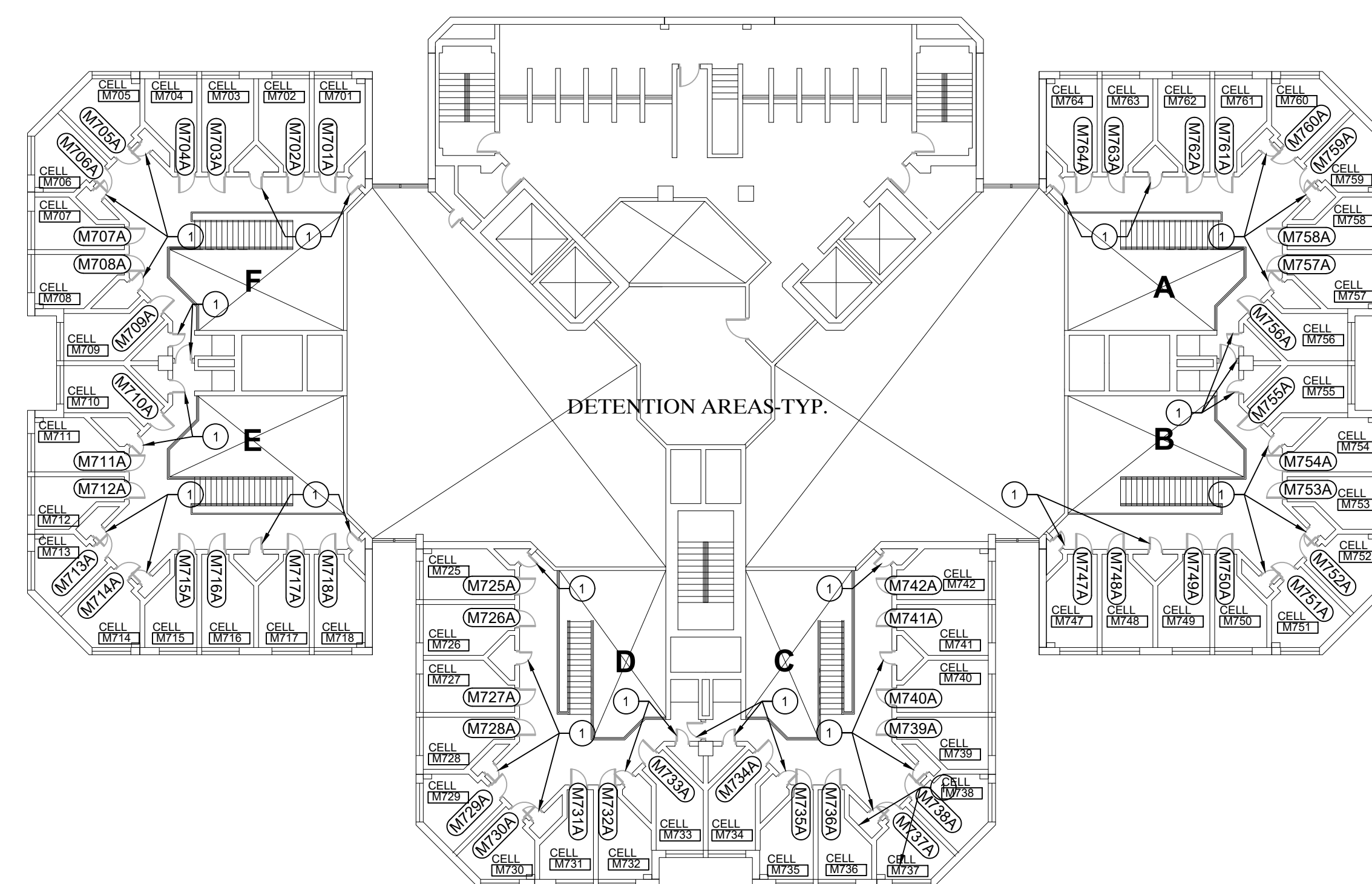
N
TWELFTH FLOOR PLAN
 SCALE: 1/32"=1'-0"
3,575 S.F.



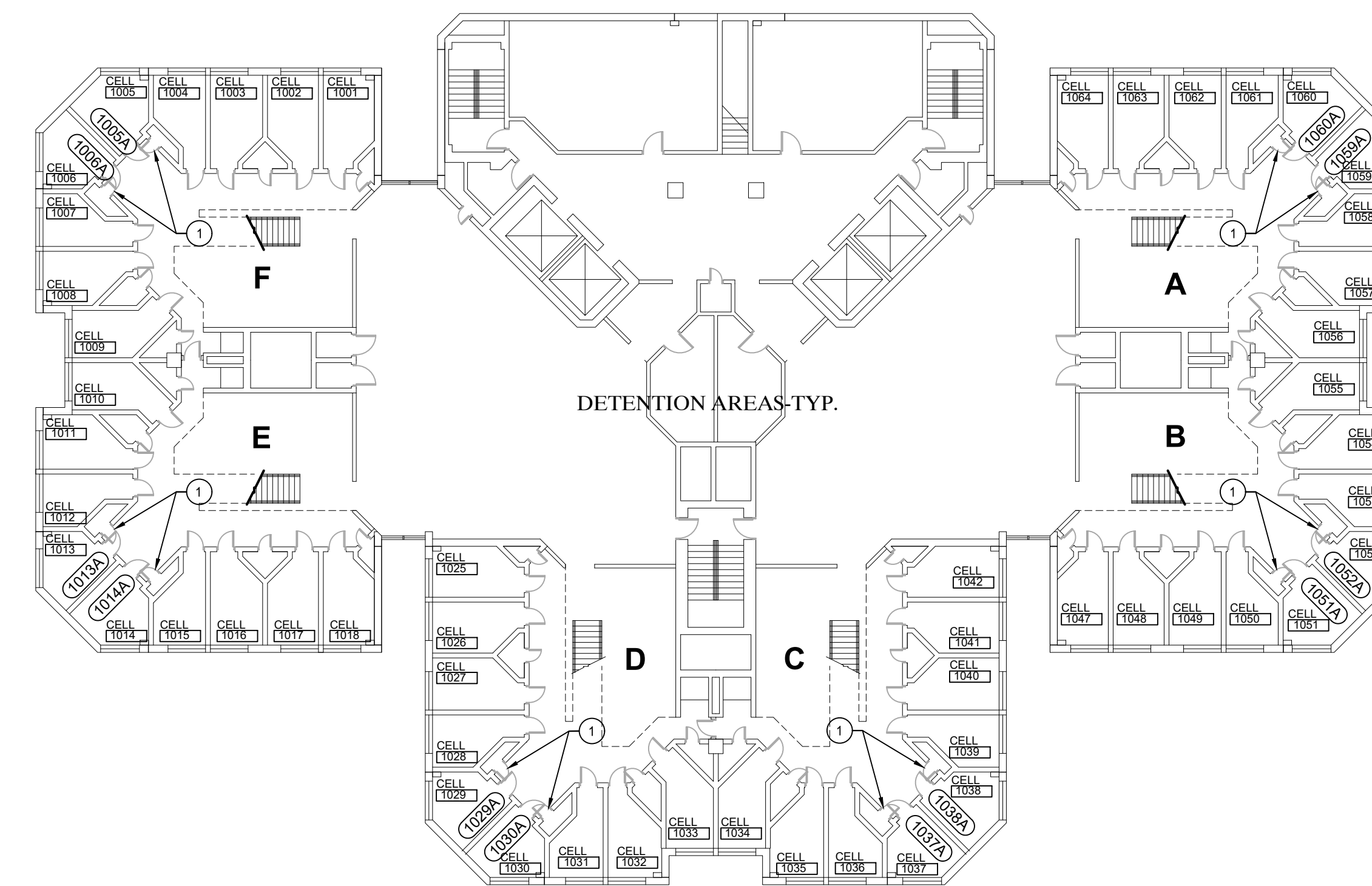
N
EIGHTH FLOOR PLAN
 SCALE: 1/32"=1'-0"
17,304 S.F.



N
ELEVENTH FLOOR PLAN
 SCALE: 1/32"=1'-0"
11,938 S.F.



N
SEVENTH FLOOR PLAN
 SCALE: 1/32"=1'-0"
12,114 S.F.



N
TENTH FLOOR PLAN
 SCALE: 1/32"=1'-0"
17,304 S.F.

TYPICAL CONSTRUCTION NOTES:

1. ALL WORK SHALL COMPLY WITH NATIONAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
2. ALL MATERIALS SHALL BE INSTALLED/APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER'S REGULATIONS.
3. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VISITING THE JOB SITE AND FAMILIARIZING THEMSELVES WITH EXISTING CONDITIONS PRIOR TO START OF WORK. ALL DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED, AND ARCHITECT NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE RECEIPT OF BIDS. FAILURE OF THE CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO THE AWARD OF BID WILL NOT BE CONSIDERED AS GROUNDS FOR AN EXTRA.
4. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT. PROVIDE ALL NECESSARY TEMPORARY PROTECTION TO ENSURE THE SAFETY OF THE GENERAL PUBLIC DURING CONSTRUCTION.
5. ALL ITEMS SHALL BE AS SPECIFIED BY ARCHITECT.
6. SUBMIT SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION/APPLICATION.
7. ALL DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE SITE BY THE CONTRACTOR.
8. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING MATERIALS AND CONSTRUCTION TO REMAIN.
9. CONTRACTOR SHALL CUT AND PATCH EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED TO COMPLETE THE WORK.
10. CONTRACTOR SHALL KEEP NOISE, DUST, ETC., TO A MINIMUM STANDARD AS SET FORTH BY THE OWNER.
11. CONTRACTOR SHALL COORDINATE INSTALLATION AND PHASING OF WORK WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK.

NEW WORK PLAN GENERAL NOTES:

1. FLOOR PLANS ARE DIMENSIONED TO NOMINAL PARTITION THICKNESS (TYP.)
2. VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
3. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK.
4. PATCH & REPAIR EXIST WALLS & CEILINGS AT ALL NEW MECH PENETRATIONS & OPENINGS LEFT DUE TO MECH DEMO - SEE MECH DWGS

NEW WORK KEYNOTES

1. METAL DOOR AND FRAMES TO REMAIN. PREP & PAINT METAL DOORS & FRAMES. METAL ACCESS DOORS & FRAMES ON ALL SIDES.

PROPOSAL C
 UPPER LEVEL
 COMPOSITE FLOOR PLANS -
 SEVENTH TO TWELFTH
 FLOORS

PRELIMINARY
 DESIGN DEVELOPMENT
 CONSTRUCTION
 FINAL RECORD

DRAWN BY: KAN
 CHECKED BY: RAS

REVISIONS
 BIDS: 08/26/2022

DATE: AUGUST 26, 2022
 SHEET NO.

A0.4C

JOB NO. 221958



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