Horizon Hills

Cincinnati Metropolitan Housing Authority Comprehensive Renovation

Intersection at Grand and Warsaw Avenue Cincinnati, OH 45204



- HORIZON HILLS APARTMENTS

Intersection at Grand and

Marsaw Avenue

SHEET NUMBER SHEET NAME COVER SHEET ARCHITECTURAL SITE PLAN

LANDSCAPE PLAN

1 - ARCHITECTURAL DRAWINGS

SHEET INDEX

D1.01 OVERALL DEMOLITION PLANS - BUILDING #1 AND #2 D1.02 OVERALL DEMOLITION PLANS - BUILDING #1 AND #2 D2.01 OVERALL DEMOLITION PLANS - BUILDING #3 OVERALL DEMOLITION PLANS - BUILDING #3 D2.02 A1.01 OVERALL FLOOR PLANS - BUILDINGS #1 AND #2 A1.02 OVERALL FLOOR PLANS - BUILDINGS #1 AND #2 A1.03 ELEVATIONS - BUILDINGS #1 AND #2 A2.01 OVERALL FLOOR PLANS - BUILDINGS #3 A2.02 OVERALL FLOOR PLANS - BUILDINGS #3 A2.03 ELEVATIONS - BUILDING #3 A3.01 ENLARGED FLOOR PLANS - UNIT A A3.02 ENLARGED FLOOR PLANS - UNIT C A3.03 ENLARGED FLOOR PLANS - COMMON AREAS A3.04 DOOR AND WINDOW SCHEDULES ENLARGED PLANS AND INTERIOR ELEVATIONS A3.05

INTERIOR FINISHES AND SCHEDULES

2 - MECHANICAL DRAWINGS

M1.01 BLDG #1-2 MECHANICAL PLAN M1.02 BLDG #1-2 MECHANICAL PLAN M2.01 BLDG #3 MECHANICAL PLAN M2.02 BLDG #3 MECHANICAL PLAN

3 - PLUMBING DRAWINGS

A3.06

P1.01 BLDG #1-2 PLUMBING PLAN P1.02 BLDG #1-2 PLUMBING PLAN P2.01 BLDG #3 PLUMBING PLAN BLDG #3 PLUMBING PLAN P2.02

4 - ELECTRICAL DRAWINGS

ELECTRICAL LEGENDS, SCHEDULES & NOTES E1.01 OVERALL ELECTRICAL PLANS, CALCULATIONS, AND E2.01

E3.01 BUILDINGS #1-2 ELECTRICAL PLANS E3.02 BUILDINGS #1-2 ELECTRICAL PLANS E4.01 BUILDING #3 ELECTRICAL PLANS E4.02 BUILDING #3 ELECTRICAL PLANS

SYMBOL LEGEND

ROOM IDENTIFICATION

INTERIOR ELEVATION SYMBOL

WALL SECTION / DETAIL SYMBOL

- ELEVATION NUMBER

L SECTION / DETAIL NUMBER

ELEVATION / MATERIAL SYMBOL

- MATERIAL TYPE

LOCATION MAP

Domino's Pizza

SHEET ON WHICH ELEVATION IS LOCATED

SHEET ON WHICH SECTION / DETAIL IS LOCATED

109 • ROOM NUMBER

WOOD - FLOOR FINISH

. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL AND STATE BUILDING CODES, FIRE SAFE A PARTITION TYPE DRAWING NOTE - SEE LEGEND OF KEYED NOTES DEMOLITION NOTE - SEE LEGEND OF KEYED NOTES

IN THE SPECIFICATIONS.

2. PROVIDE MEANS NECESSARY TO PROTECT THE STRUCTURE IN ALL RESPECTS FROM THE WEATHER, BUILDING HAZARDS, UNNECESSARY INTRUSIONS, AND FROM DUST, DIRT AND DEBRIS.

3. MAKE ARRANGEMENTS IN 12 HOURS MINIMUM IN ADVANCE WITH THE OWNER FOR ANY INTERRUPTIONS OF UTILITY SERVICE.

4. EACH CONTRACTOR AND VENDOR SHALL INSPECT THE SITE & BECOME FAMILIAR WITH ALL CONDITIONS AND CLEARANCES PRIOR TO SUBMITTING A PROPOSAL

5. ARCHITECT TO SUBMIT FOR GENERAL PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND INSPECTIONS AS REQUIRED

6. ALL WORK SHALL BE COMPLETED IN A FIRST CLASS MANNER TO BETTER THAN ACCEPTED INDUSTRY

7. SHOULD ANY OF THE DETAILED INSTRUCTIONS ON THE DRAWINGS CONFLICT WITH THE NOTES OR SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL APPLY, ANY SUCH CONFLICT SHALL BE REPORTED TO THE ARCHITECT AS A FORMAL RFI (REQUEST FOR INFORMATION) AS INDICATED

8. ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE STRUCTURE UNLESS SPECIFICALLY NOTED OTHERWISE.

9. THE CONTRACTOR SHALL VERIFY ALL RELEVANT DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS BEFORE PROCEEDING WITH THE AFFECTED WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.

10. EACH CONTRACTOR SHALL COORDINATE ARCHITECTURAL DRAWINGS WITH THE PLUMBING MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS BEFORE PROCEEDING WITH THE WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY IN A FORMAL RFI (REQUEST FOR INFORMATION) AS INDICATED IN THE SPECIFICATIONS.

11. THROUGHOUT THE CONSTRUCTION, EACH CONTRACTOR SHALL MAINTAIN THE BUILDING, ENTRANCES AND ACCESS TO THE BUILDING TO A PROFESSIONAL LEVEL OF CLEANLINESS.

12. THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" MEANS TO FIX IN POSITION AND CONNECT FOR USE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND

13. ALL ARRANGEMENTS FOR CONSTRUCTION PERSONNEL ENTERING THE BUILDING DURING WORK HOURS, DELIVERY OF MATERIALS, REMOVAL OF DEBRIS, PARKING, ETC. SHOULD BE MADE WITH THE GENERAL CONTRACTOR

14. EACH CONTRACTOR AND VENDOR SHALL SUBMIT FABRICATION SHOP DRAWINGS FOR ALL OFF-SITE FABRICATED ITEMS.

15. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

16. REMOVE ALL DEBRIS AND LEAVE CONSTRUCTION AREAS BROOM/RAKE CLEAN AT THE END OF EACH

17. ALL CONTRACTORS AND SUBCONTRACTORS FOR THE WORK OF THIS CONTRACT SHALL BE

PROPERLY LICENSED AND REGISTERED IN ACCORDANCE WITH THE REGULATIONS OF LOCAL AND STATE

18. ALL DRAWINGS AND SPECIFICATIONS PREPARED AS PART OF THIS COMMISSION ARE THE PROPERTY OF LDA ARCHITECTS, INC. AND WILL NOT BE TRANSFERRED OR USED ON ANY OTHER PROJECT WITHOUT

WRITTEN AGREEMENT. 19. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER

EXECUTION AND COMPLETION OF THE WORK BY THE GENERAL CONTRACTOR. ALL AREAS OF THE PROJECT SHALL BE FINISHED AND READY FOR OCCUPANCY AND INCLUDE SUCH ITEMS AS HARDWARE, ACCESSORIES, PAINTING, AND ETC. WHETHER SPECIFIED OR NOT. 20. AT ALL TIMES WHEN WORK IS IN PROGRESS, A REPRESENTATIVE OF THE CONTRACTOR OR SUB-

INSTRUCTIONS FROM THE OWNER OR ARCHITECT. 21. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL PROVIDE A COPY OF PROOF OF INSURANCE

CONTRACTOR SHALL BE ON THE SITE AND AUTHORIZED TO ANSWER QUESTIONS OR RECEIVE

TO THE OWNER PRIOR TO THE COMMENCEMENT OF THE WORK.

22. THE CONTRACTOR SHALL FORWARD TO THE OWNER ALL APPLICABLE WARRANTIES, GUARANTEES, ETC. AS A CONDITION FOR FINAL PAYMENT.

23. THE CONTRACTOR SHALL GUARANTEE THAT ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR OR LONGER AS INDICATED IN DRAWINGS AND SPECIFICATIONS FOLLOWING COMPLETION OF ALL WORK AND THAT ALL DEFECTS ARISING WITHIN THIS PERIOD OF TIME SHALL BE CORRECTED, REPAIRED OR REPLACED WITHIN 30 DAYS OF NOTIFICATION OF SUCH DEFECTS BY OWNER.

24. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR REVIEWING, COORDINATING AND COMPLYING WITH THE FULL SET OF DRAWINGS, SPECIFICATIONS AND ADDENDA.

25. THE APPLICABLE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE VERIFICATION AND LOCATION OF UNDERGROUND UTILITIES, FACILITIES AND EQUIPMENT. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITY PROTECTION SERVICE AT 1-800-362-2764 OR 811 AS REQUIRED IN ADVANCE OF THE COMMENCEMENT OF UNDERGROUND UTILITIES WORK.

WORK IS TO INCLUDE BUT IS NOT LIMITED TO THIS SUMMARY, COORDINATE NEW KITCHENS, BATHROOMS, FINISHES, AND MECHANICAL SERVICES IN ALL UNITS. EACH SITE WORK WILL INCLUDE REPLACING DAMAGED SIDEWALKS, STAIRS, HANDRAILS \$ ENTRY STOOPS, PROVIDING NEW PLANTING AREAS, AND REPAIRING THE EXISTING DRIVE AND PARKING LOT. REPAIR OF DAMAGED RETAINING WALLS WILL ALSO BE

BUILDING AREAS

PROJECT SUMMARY

UNIT TYPE	AREA
BUILDING #1	
LEVEL O.O	±4,560 SF
LEVEL 0.5 AND 1.0	±6,230 SF
LEVEL 1.5	±3,380 SF
LEVEL 2.0 AND 2.5	±6,230 SF
LEVEL 3.0	±3,600 SF
TOTAL ARE	<u>A</u> = ±24,000 SF

LDING #2	
LEVEL O.O	±4,560 SF
LEVEL 0.5 AND 1.0	±6,230 SF
LEVEL 1.5	±3,380 SF
LEVEL 2.0 AND 2.5	±6,230 SF
LEVEL 3.0	±3,600 SF
TOTAL	_ AREA = ±24,000 SF

IILDING #3	
LEVEL 0.0	±3,050 SF
LEVEL 0.5 AND 1.0	±4,130 SF
LEVEL 1.5	±2,260 SF
LEVEL 2.0 AND 2.5	±4,130 SF
LEVEL 3.0	±2,370 SF
TOTAL AREA	= ±15,940 SF

PROJECT DIRECTORY

LORAIN METROPOLITAN HOUSING AUTHORITY 1600 KANSAS AVE. PHONE: (440) 288-1600

2. ARCHITECT: LDA ARCHITECTS, INC. 3109 MAYFIELD ROAD, SUITE 201 CLEVELAND HEIGHTS, OHIO 44118 PHONE: (216) 932-1890

3. MEP ENGINEER: WHS ENGINEERING 2012 WEST 25TH STREET, SUITE 512 CLEVELAND, OHIO 44113 PHONE: (216) 227-8505

4. STRUCTURAL: SCHAEFER 10411 MEDALLION DRIVE SUITE 121 CINCINNATI, OH 45241 PHONE: (513) 542-3300

5. LANDSCAPE ARCHITECT C.M. FREDERICK - LANDSCAPE ARCHITECT LLC PHONE: (330) 592-1307

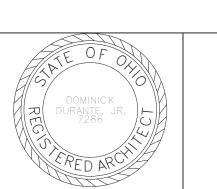
SCHEDULING COORDINATION

ALL THREE OF THE BUILDINGS WILL BE VACANT AND TURNED OVER TO THE CONTRACTOR AT THE START OF CONSTRUCTION.

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE SITE ADJACENT (WITHIN 15 FT) TO THE BUILDING UNDER CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURITY OF ALL BUILDINGS UNDER CONSTRUCTION AND MAY CONSTRUCT A SECURITY FENCE AT THEIR DISCRETION

SITE WORK (RETAINING WALLS, SIDEWALKS, LIGHTING, ETC.) BEYOND THE FENCED AREA MAY BE SCHEDULED AT ANY TIME OVER THE COURSE OF THE PROJECT WITH PRIOR APPROVAL FROM CMHA.

THE CONTRACTOR SHALL REVIEW THE LEAD AND ASBESTOS-CONTAINING MATERIAL INSPECTION REPORTS INCLUDED IN THE PROJECT MANUAL AND SUBMIT AN ABATEMENT PLAN FOR EPA APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY LEAD AND ASBESTOS ABATEMENT TO COMPLETE THE SCOPE OF WORK IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR AND MATERIAL COSTS ASSOCIATED WITH ABATEMENT TO MEET LOCAL, STATE AND FEDERAL REQUIREMENTS.



DATE DESCRIPTION



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Horizon Hills

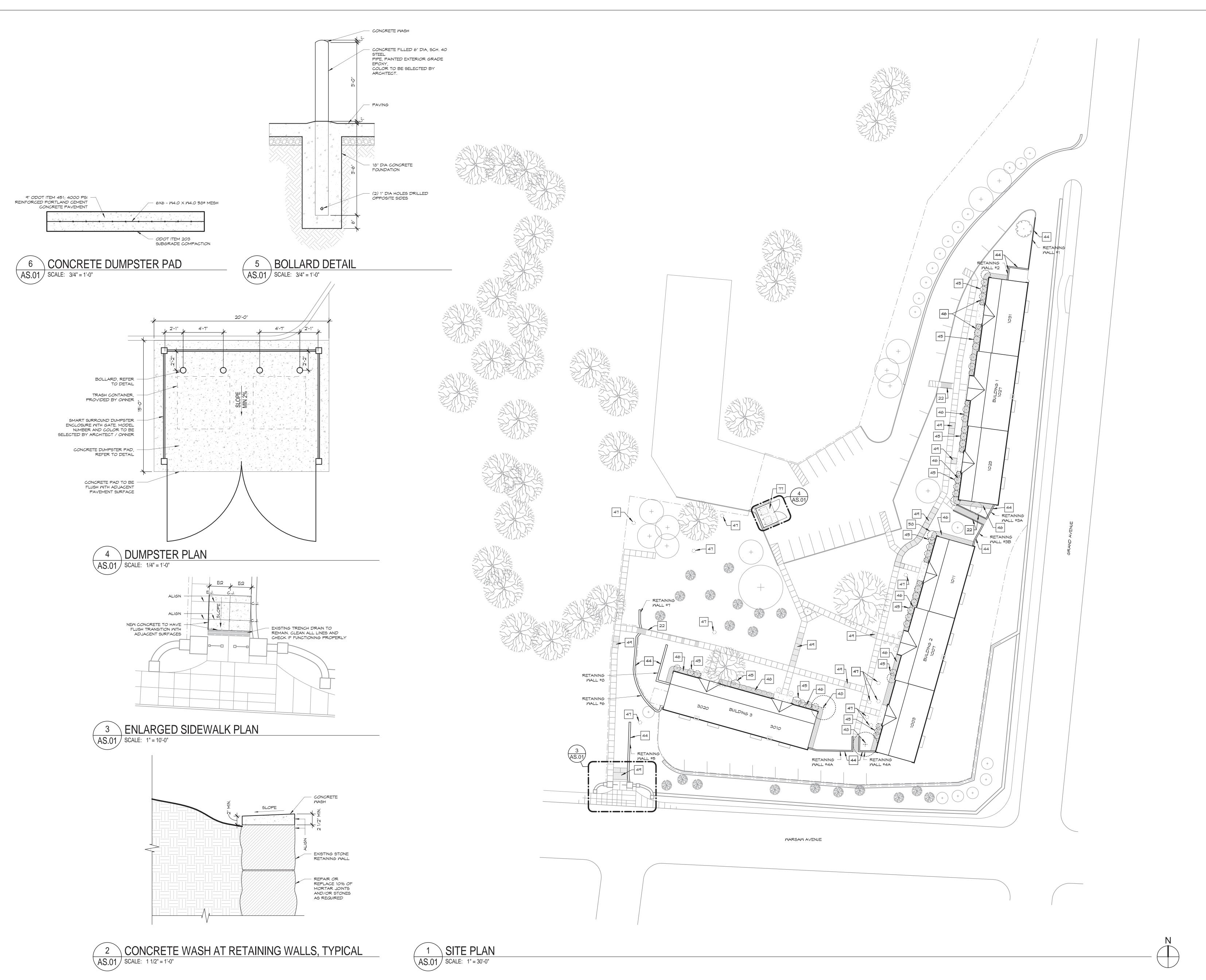
Cincinnati Metropolitan Housing Authority Intersection at Grand and Warsaw Avenue, Cincinnati, OH 45204

LDA Project No. 13.25

COVER SHEET

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DATE DESCRIPTION

10.23.2013 Issued for 60% Owner Review
11.06.2013 Issued for 100% Owner Review

11.06.2013 Issued for 100% Owner Review 12.09.2013 Issued for Permit and Bidding

GENERAL NOTES - SITE PLAN

 CONTRACTOR IS RESPONSIBLE FOR VISITING SITE AND FAMILIARIZING THEMSELVES WITH SITE BEFORE WORK BEGINS.

2. GENERAL CONTRACTOR TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED TO REMAIN, INCLUDING IMPROVEMENTS ON AND OFF THE SITE. PROTECT EXISTING TREES AND VEGETATION INDICATED TO REMAIN. DO NOT STOCKPILE MATERIALS AND RESTRICT TRAFFIC WITHIN DRIP LINE OF EXISTING TREES TO REMAIN. PROVIDE AND MAINTAIN TEMPORARY GUARDS TO ENCIRCLE TREES OR GROUPS OF TREES TO REMAIN; OBTAIN APPROVAL FROM OWNER BEFORE BEGINNING WORK.

3. EXISTING TREES, SIDEWALKS, STAIRS, AND ENTRY STOOPS TO REMAIN, UNLESS NOTED OTHERWISE.

4. EXISTING RETAINING WALLS TO REMAIN, REFER TO SITE DETAILS FOR SPECIFIC SCOPE.

5. CLEAN ALL SANITARY AND STORM SEMER LINES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A VIDEO SEMER INSPECTION PRIOR TO CLEANING ALL SANITARY AND SEMER LINES.

6. AT ALL BUILDINGS, ADD SOIL AND SEED TO CREATE POSITIVE SLOPE AWAY FROM BUILDINGS. PROVIDE A MINIMUM 5% SLOPE.

KEYED NOTES SPECIFIC TO THIS SHEET

22 CLEAN, PREPARE AND PAINT ALL EXTERIOR HANDRAILS. REPAIR OR REPLACE 20% OF HANDRAILS AS REQUIRED.

HANDRAILS AS REQUIRED.

44 PROVIDE A TROWELED CONCRETE CAP WITH
BONDING AGENT AT ALL STONE RETAINING
WALLS, TYPICAL; REPAIR OR REPLACE 10%
OF MORTAR JOINTS AND/OR STONES AS

REQUIRED. REFER TO DETAIL 2/A5.01.

45

ALL TREES AND SHRUBS BLOCKING WINDOWS

ARE TO BE REMOVED IN THEIR ENTIRETY.

PREPARE SOIL FOR NEW LANDSCAPING,

COORDINATE WITH LANDSCAPE DRAWINGS.

46 SHADED AREA INDICATES ADD SOIL AND
SEED TO CREATE POSITIVE SLOPE AWAY
FROM BUILDING, TYPICAL.

47 ALL TREE STUMPS TO BE REMOVED IN THEIR ENTIRETY, TYPICAL. VERIFY LOCATIONS IN FIELD. FILL HOLE WITH COMPACTED SOIL AND SEED TO CREATE SEAMLESS

48 REMOVE TREE IN ITS ENTIRETY. FILL HOLE WITH COMPACTED SOIL AND SEED TO CREATE SEAMLESS TRANSITION WITH

TRANSITION WITH ADJACENT TERRAIN.

ADJACENT TERRAIN.

49 SHADED AREA INDICATES VICINITY OF
DAMAGED / MISALIGNED SIDEMALK
SQUARE(S). REMOVE AND REPLACE AS

DAMAGED / MISALIGNED SIDEWALK
SQUARE(S). REMOVE AND REPLACE AS
REQUIRED TO CREATE A FLUSH TRANSITION
WITH ADJACENT SIDEWALK SURFACES.
VERIFY LOCATIONS IN FIELD.

58 REMOVE DAMAGED TREE.

77 NEW CONCRETE DUMPSTER PAD AND
ENCLOSURE.

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LDA Project No. 13.25

ARCHITECTURAL SITE PLAN AS.01

ELECTRICAL PLAN CONSTRUCTION NOTES:

REMOVE AND REPLACE EXISTING EXTERIOR LIGHT FIXTURE WITH NEW EXTERIOR OCCUPANCY—SENSING LIGHT FIXTURE. MAINTAIN EXISTING BRANCH CIRCUIT CURRENTLY CONTROLLED BY TIME—CLOCK.

REMOVE AND REPLACE EXISTING LIGHT FIXTURES IN COMMON AREAS WITH NEW OCCUPANCY—SENSING LIGHT FIXTURES. MAINTAIN ALL EXISTING LIGHTING CONTROL. MAINTAIN EXISTING BRANCH CIRCUITS CURRENTLY SERVING THESE FIXTURES. MODIFY WIRING AS REQUIRED TO ACCOMMODATE NEW LOCATIONS OF FIXTURES WHERE INDICATED.

PROVIDE CEILING MOUNTED RECEPTACLE INSTALLED IN OUTDOOR ENCLOSURE FOR NEW OVERHEAD GARAGE DOOR OPENER. INCLUDE ALL ASSOCIATED WIRING FOR INSTALLATION OF PUSHBUTTON STATIONS, LIMIT SWITCHES, ETC. FOR COMPLETE OPERATION IN PER IN ACCORDANCE WITH MANUFACTURER'S WIRING DIAGRAM. CONNECT A MAXIMUM OF THREE OPENERS TO A SINGLE 20A-120V-1Ø BRANCH CIRCUIT IN "HOUSE" PANEL.

DISCONNECT ALL EXISTING ELECTRICAL SERVICES, BRANCH CIRCUIT WIRING, ETC. TO ACCOMMODATE BOILER SYSTEM REPLACEMENT AND RELATED PUMPS, CONTROL DEVICES, ETC. REPLACE EXISTING DISCONNECT SWITCHES, DEVICES, WIRING, IMPROPERLY SIZED EQUIPMENT, ETC. FOR COMPLETE REPLACEMENT IN ACCORDANCE WITH ALL N.E.C. REQUIREMENTS. COORDINATE ALL WORK WITH MECHANICAL AND PLUMBING DRAWINGS, RESPECTIVE CONTRACTORS, ETC.

DISCONNECT ALL EXISTING ELECTRICAL SERVICES, BRANCH CIRCUIT WIRING, ETC. TO ACCOMMODATE CHILLER SYSTEM REPLACEMENT AND RELATED PUMPS, CONTROL DEVICES, ETC. REPLACE EXISTING DISCONNECT SWITCHES, DEVICES, WIRING, IMPROPERLY SIZED EQUIPMENT, ETC. FOR COMPLETE REPLACEMENT IN ACCORDANCE WITH ALL N.E.C. REQUIREMENTS. CHILLER IS SERVED FROM A SEPARATE 200A-240V-1Ø UTILITY SERVICE (125 AMP FUSING). WIRING SHALL BE 3#1/0, 1#6(G), 1-1/2"C. EXISTING WIRING MAY BE REUSED, HOWEVER, THE E.C. SHALL CONFIRM AND NOTIFY THE ENGINEER UPON CONFIRMATION. BASE BID SHALL INCLUDE REPLACEMENT WITH NEW. COORDINATE ALL WORK WITH MECHANICAL AND PLUMBING DRAWINGS, RESPECTIVE CONTRACTORS, ETC.

6 LOCATION OF NEW (REPLACEMENT) "HOUSE" PANEL. COORDINATE AND LOCATE IN COMPLIANCE WITH N.E.C. ARTICLE #110.

PROVIDE A 4' x 4' x 3/4" THICK PLYWOOD BACKBOARD(S) FINISHED WITH FIRE RETARDANT PAINT FOR CABLE/ANTENNA TELEVISION TERMINAL BOARD. INCLUDE A COPPER BUS BAR KIT AND RUN A #6 AWG CONDUCTOR TO SERVICE GROUNDING LOCATION. COORDINATE FINAL LOCATION IN FIELD WITH OWNER AND EXISTING CONDITIONS. PROVIDE A TYPE #RG6, DUAL COAXIAL CABLE WITH INDIVIDUAL INSULATION ROUTED TO EACH APARTMENT. VERFIY EXACT ROUTING IN FIELD WITH OWNER FOR A CONCEALED INSTALLATION. INCLUDE ALL COSTS ASSOCIATED WITH THE CABLE RUN. INCLUDE AND TERMINATE AT A SPLITTER AT EACH APARTMENT AND INSTALL IN AN ACCESSIBLE LOCATION APPROVED BY THE OWNER. THE ROUTING OF ANY SURFACE MOUNTED CONDUIT MUST BE APPROVED BY THE ARCHITECT/OWNER PRIOR TO ANY INSTALLATION.

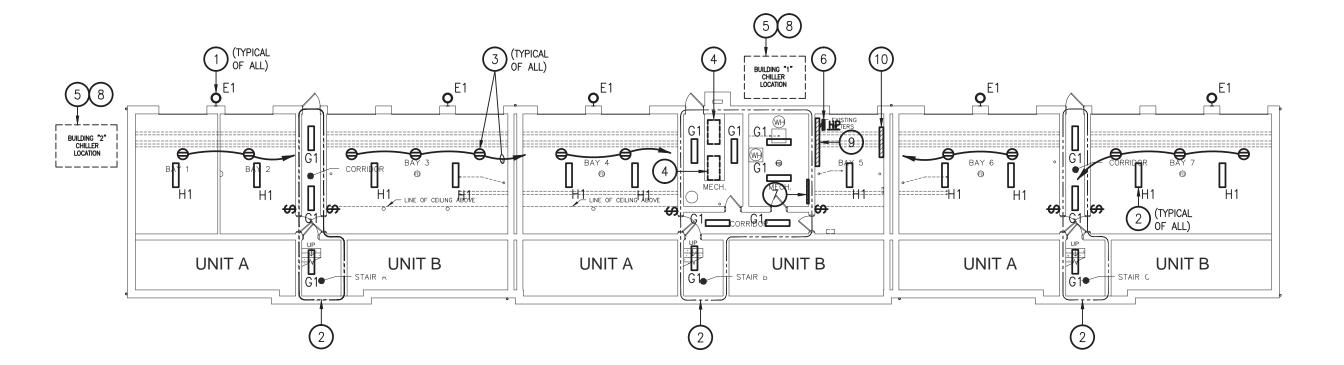
8 EXISTING SERVICE FOR BUILDING #3 CHILLER IS A 100 AMP SERVICE. THIS SERVICE MUST BE INCREASED TO ACCOMMODATE NEW CHILLER (105.5MCA-240V-3Ø). REMOVE AND REPLACE EXISTING 100A-3P MAIN SERVICE SWITCH AND REPLACE WITH NEW 200A-3P, U.L. LISTED "SERVICE ENTRANCE" RATED DISCONNECT SWITCH WITH 125A FUSING. COORDINATE WITH LOCAL UTILITY AND INCLUDE ALL FEES, COSTS, ETC. ASSOCIATED WITH SERVICE INCREASE. REFER TO NOTE 5 ABOVE FOR ADDITIONAL INFORMATION RELATED TO RELATED EQUIPMENT, DEVICES, ETC. AND WIRE SIZE.

9 LOCATION OF EXISTING APARTMENT SERVICE EQUIPMENT METERS, TIME CLOCK, ETC. TO BE MODIFIED, REPLACED, ETC. AS INDICATED ON POWER RISER DIAGRAM.

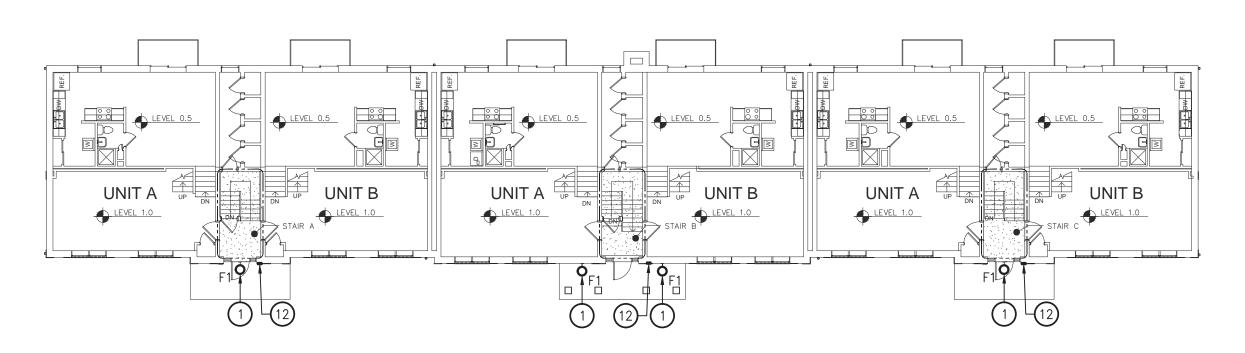
10 LOCATION OF 200A-3P (240V) MAIN SERVICE SWITCH SERVING CHILLER. REFER TO NOTE 5 ABOVE FOR ADDITIONAL INFORMATION.

IT IS THE INTENT FOR THE E.C. TO MODIFY THE EXISTING BRANCH CIRCUIT SERVING STAIRWAY LIGHTING TO BE CONTROLLED BY A NEW, ELECTRONIC, ASTRONOMIC, DPST TIME CLOCK. PROVIDE MULTIPLE POLE, ELECTRICALLY HELD CONTACTOR FOR CONTROL OF MULTIPLE BRANCH CIRCUITS (VERIFY NUMBER OF POLES). TIME CLOCK SHALL BE INTERMATIC #ET103C WITH INTEGRAL NEMA 1 ENCLOSURE. LOCATE ADJACENT "HOUSE" PANEL LOCATION OR AS OTHERWISE DIRECTED BY OWNER.

REMOVE EXISTING APARTMENT ENTRY INTERCOM SYSTEM WITH ALL RELATED EQUIPMENT, WIRING TO APARTMENT, ETC. REPLACE WITH NEW, LCD DISPLAY, DOOR CONTROL RELAYS, SPEAKER, SURGE PROTECTION, INTEGRAL SOFTWARE, CLOCK, CALENDAR AND ALL RELATED PROGRAMMING FOR COMPLETE INSTALLATION. INCLUDE TELEPHONE WIRING TO EXISTING TELEPHONE TERMINAL BOARD/CABINET AND ELECTRIC STRIKE (PROVIDED BY OTHERS). PROVIDE ALL MATERIAL AND LABOR REQUIRED FOR COMPLETE VOICE OPERATION AND DOOR RELEASE OPERATION. ENTRY SYSTEM SHALL BE SELECT ENGINEERED SYSTEMS, INC. #TEC1CA.

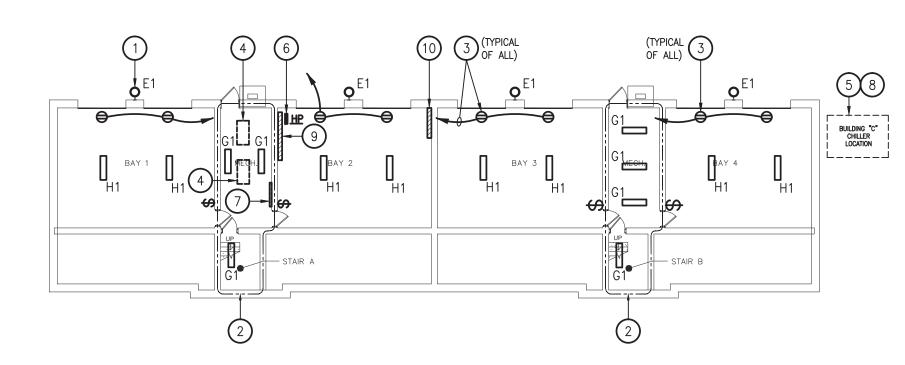






BUILDINGS 1 & 2:

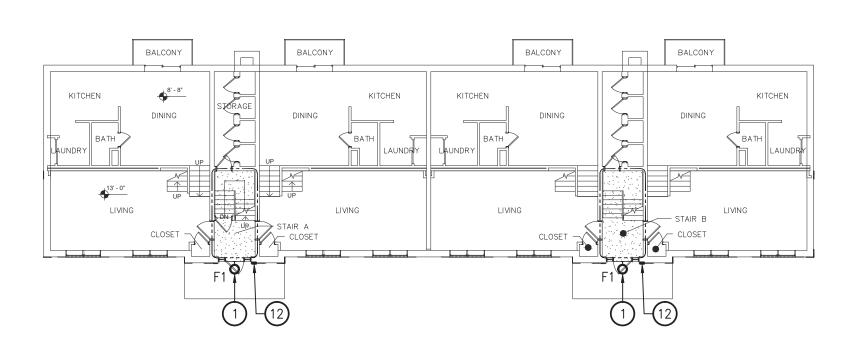
3 EXTERIOR ELECTRICAL PLAN
E2.01 SCALE: 1/16" = 1'-0"



BUILDING 3:

2 LEVEL 0 ELECTRICAL PLAN

E2.01 SCALE: 1/16" = 1'-0"



BUILDING 3:

4 EXTERIOR ELECTRICAL PLAN

E2.01 SCALE: 1/16" = 1'-0"

INDIVIDUAL APARTMENT ELECTRICAL SERVICE CALCULATION

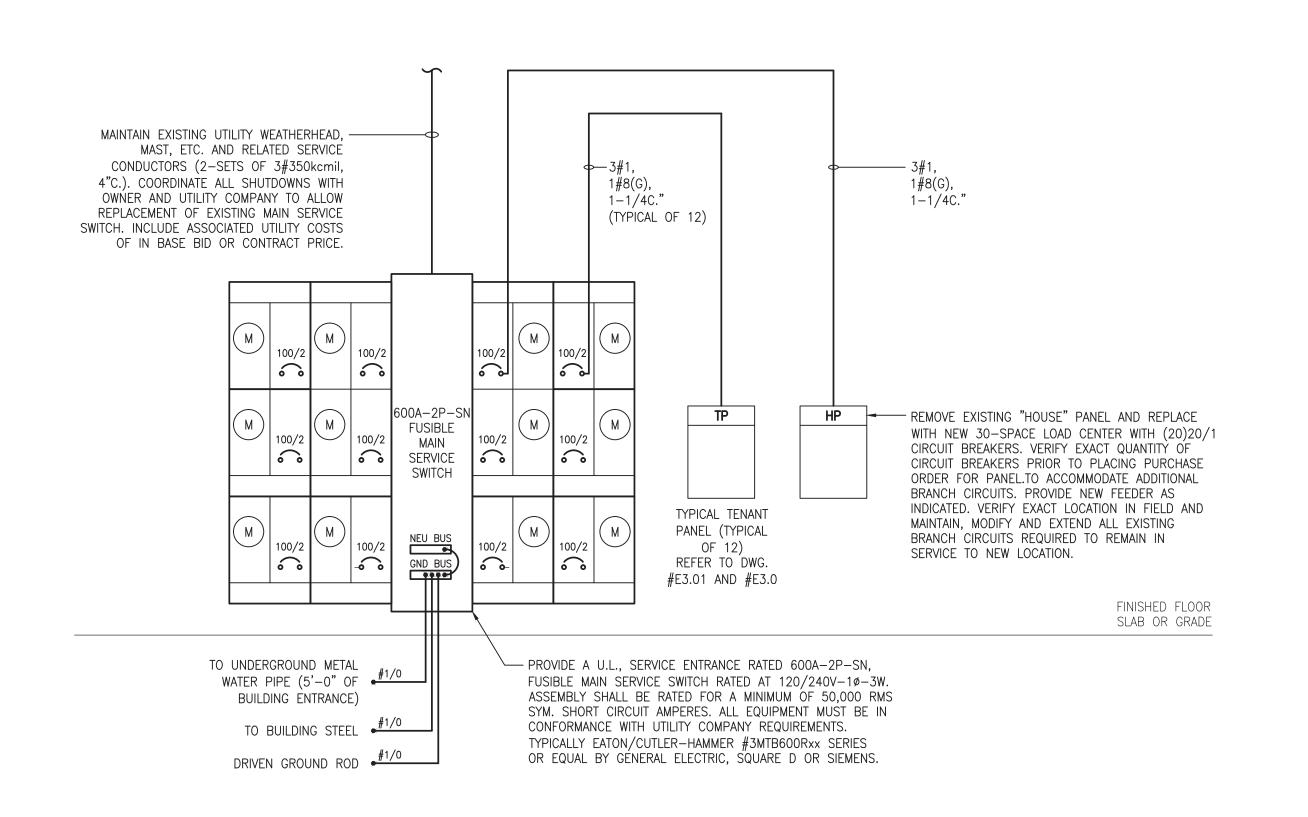
INDIVIDUAL AT ARTHUR ELECTRICAL CERTICE CALCULATION														
APARTMENT TYPE	AREA (SQ. FT.)	LIGHTING	SMALL APPLIANCE	REFRIG	DISH WASHER		GARBAGE DISPOSER			HEATER #1	HEATER #2	FAN COIL UNITS	TOTAL VAd	FLA
Α	1400.0	4200.0	3000	620	1000	7600	450	1500	5000	500	500	100	24470	102
В	1400.0	4200.0	3000	620	1000	7600	450	1500	5000	500	500	100	24470	102
C	1280.0	3840.0	3000	620	1000	7600	450	1500	5000	500	500	100	24110	100

DUILDING 1 FLECTRIC CERVICE CALC	III ATION								
BUILDING 1 - ELECTRIC SERVICE CALCULATION									
DESCRIPTION	AREA	QUANTITY	<u>LOAD</u>	<u>TOTAL</u>	N.E.C. ARTICLE				
TOTAL OF 12 APARTMENTS									
TYPICAL A UNIT	1400.0	12	3	50400	220.84(c)(1)				
			(50400)				
SMALL APPLIANCE CIRCUITS (2X1500)		12	3000	36000	220.84(c)(2)				
REFRIGERATOR		12	620	7440	220.84(c)(3)				
ELECTRIC RANGE		12	7600	91200	220.84(c)(3)				
WASHER		12	1500	18000	220.84(c)(3)				
DRYER		12	5000	60000	220.84(c)(3)				
DISPOSER		12	480	5760	220.84(c)(3)				
DISHWASHER		12	1200	14400	220.84(c)(3)				
FAN COIL UNITS		12	100	1200	220.84(c)(3)				
HEATER #1		12	1000	12000	220.84(c)(3)				
HEATER #2		12	1000	12000	220.84(c)(3)				
			(258000)				
TOTAL CONNECTED LOAD		H	-	308400					
DEMAND FACTOR		41%	2	126444	TABLE 220.84				
AMPS AT 120/240V-1P-3W				527					

BUILDING 2 - ELECTRIC SERVICE CALCULATION									
DESCRIPTION	AREA	QUANTITY	LOAD	<u>TOTAL</u>	N.E.C. ARTICLE				
TOTAL OF 12 APARTMENTS									
TYPICAL B UNIT	1400.0	12	3	50400	220.84(c)(1)				
			(50400)				
SMALL APPLIANCE CIRCUITS (2X1500)		12	3000	36000	220.84(c)(2)				
REFRIGERATOR		12	620	7440	220.84(c)(3)				
ELECTRIC RANGE		12	7600	91200	220.84(c)(3)				
WASHER		12	1500	18000	220.84(c)(3)				
DRYER		12	5000	60000	220.84(c)(3)				
DISPOSER		12	480	5760	220.84(c)(3)				
DISHWASHER		12	1200	14400	220.84(c)(3)				
FAN COIL UNITS		12	100	1200	220.84(c)(3)				
HEATER #1		12	1000	12000	220.84(c)(3)				
HEATER #2		12	1000	12000	220.84(c)(3)				
			(258000)				
TOTAL CONNECTED LOAD		-	-	308400					
DEMAND FACTOR		41%	ш	126444	TABLE 220.84				

AMPS AT 120/240V-1P-3W

DUIL DINO 2 FLEOTRIO OFRIVOS OALO	NIII ATIONI				
BUILDING 3 - ELECTRIC SERVICE CALC	ULATION				
DESCRIPTION	AREA	QUANTITY	LOAD	<u>TOTAL</u>	N.E.C. ARTICLI
TOTAL OF 8 APARTMENTS		•			•
TYPICAL C UNIT	1280.0	8	3	30720	220.84(c)(1)
			(30720)
SMALL APPLIANCE CIRCUITS (2X1500)		8	3000	24000	220.84(c)(2)
REFRIGERATOR		8	620	4960	220.84(c)(3)
ELECTRIC RANGE		8	7600	60800	220.84(c)(3)
WASHER		8	1500	12000	220.84(c)(3)
DRYER		8	5000	40000	220.84(c)(3)
DISPOSER		8	480	3840	220.84(c)(3)
DISHWASHER		8	1200	9600	220.84(c)(3)
FAN COIL UNITS		8	100	800	220.84(c)(3)
HEATER #1		8	1000	8000	220.84(c)(3)
HEATER #2		8	1000	8000	220.84(c)(3)
			(172000)
TOTAL CONNECTED LOAD		-	-	202720	
DEMAND FACTOR		43%	ш	87170	TABLE 220.84
AMPS AT 120/240V-1P-3W				363	



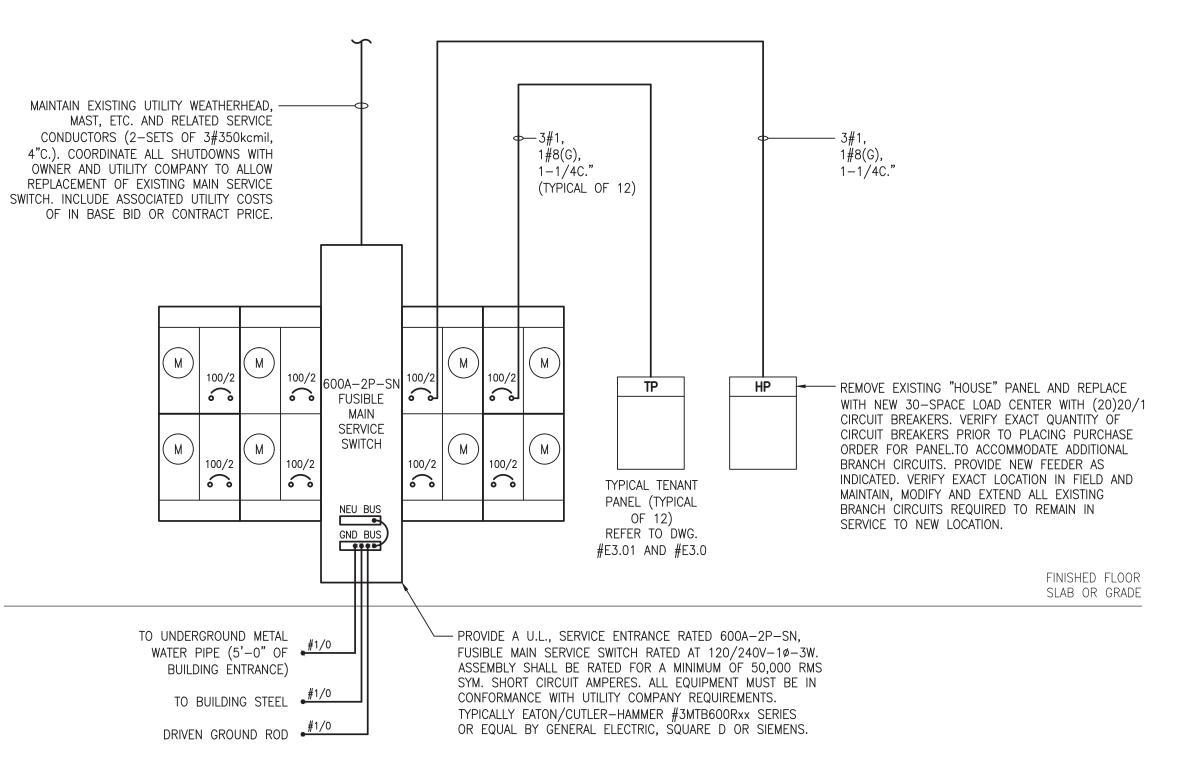
BUILDING #1 - SINGLE-LINE POWER RISER DIAGRAM

(120/240V-1Ø-3W)

NO SCALE

GENERAL SERVICE NOTE:

IT IS THE INTENT TO REMOVE THE EXISTING 600A-2P MAIN SERVICE SWITCH AND 2-CIRCUIT BREAKER PANEL ENCLOSURES, RELATED WIREWAYS, METERS, ETC. AT THE MAIN SERVICE LOCATION. EACH EXISTING APARTMENT IS CURRENTLY SERVED WITH A 60 AMP FEEDER (PANEL) AND A 40 AMP FEEDER (ELECTRIC RANGE). REMOVE EXISTING FEEDER AND REPLACE WITH A SINGLE 100A FEEDER. COORDINATE EXACT ROUTE OF NEW APARTMENT FEEDERS UP TO EACH APARTMENT. INCLUDE ALL COSTS ASSOCIATED WITH REMOVE DRYWALL, CORE DRILLING, ETC. FOR A CONCEALED INSTALLATION. INCLUDE ALL WEATHER SEAL, FIRE STOPPING, ETC. TO MAINTAIN FIRE RATING OF ALL CONSTRUCTION ASSEMBLIES. THE ROUTING OF ALL SURFACE MOUNTED CONDUIT MUST BE SUBMITTED AND APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO COMMENCEMENT OF WORK.



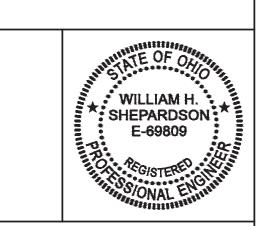
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11.06.2013 | Issued for 100% Owner Review

12.09.2013 | Issued for Permit and Bidding

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Horizon Hills

Cincinnati Metropolitan Housing Authority Intersection at Grand and Warsaw Avenue, Cincinnati, OH 45204

LDA Project No. 13.25

Overall Electrical Plans

Calcs & Diagrams

E2.0

FIELD VERIFY ALL CONDITIONS

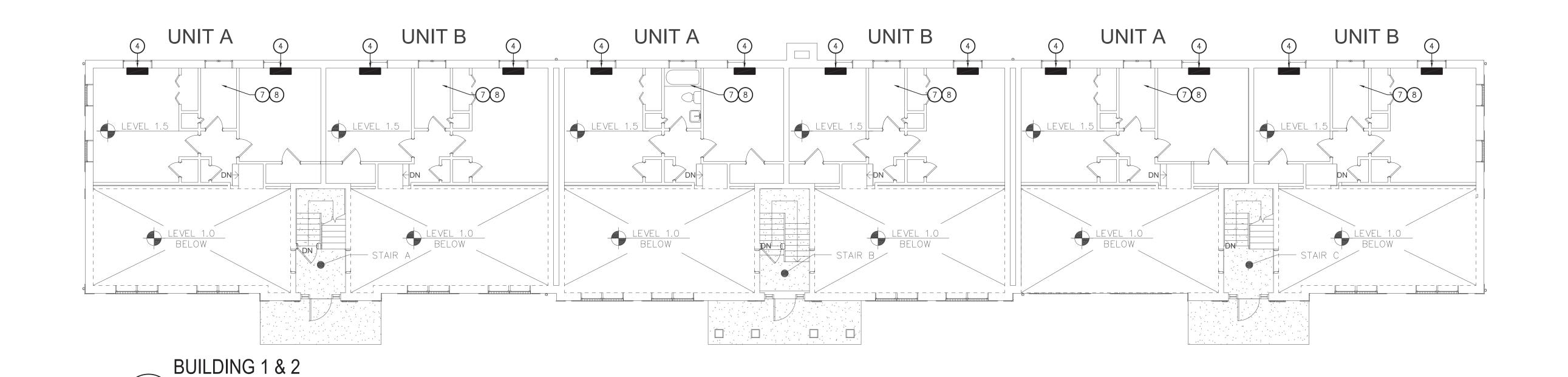
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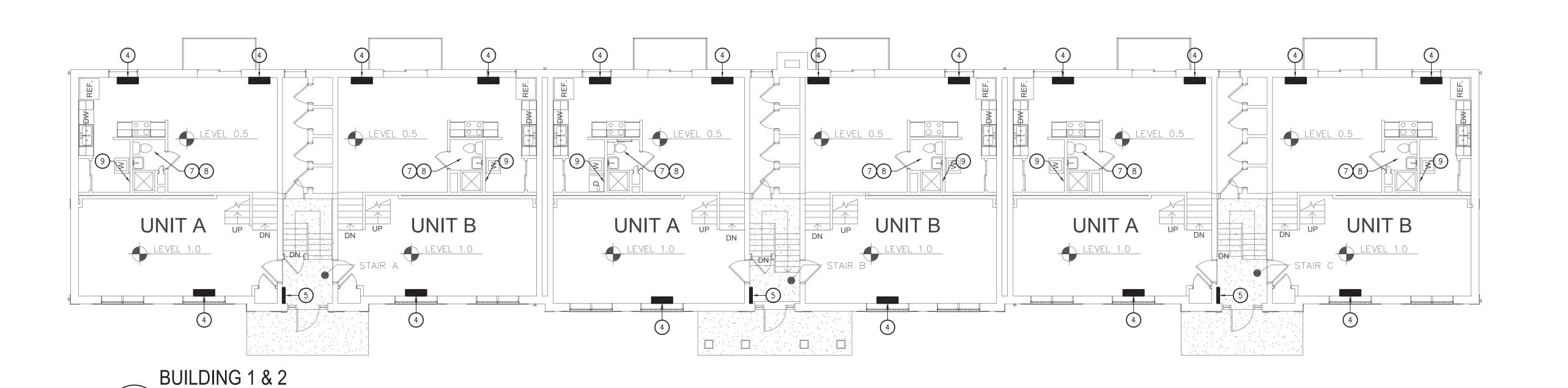
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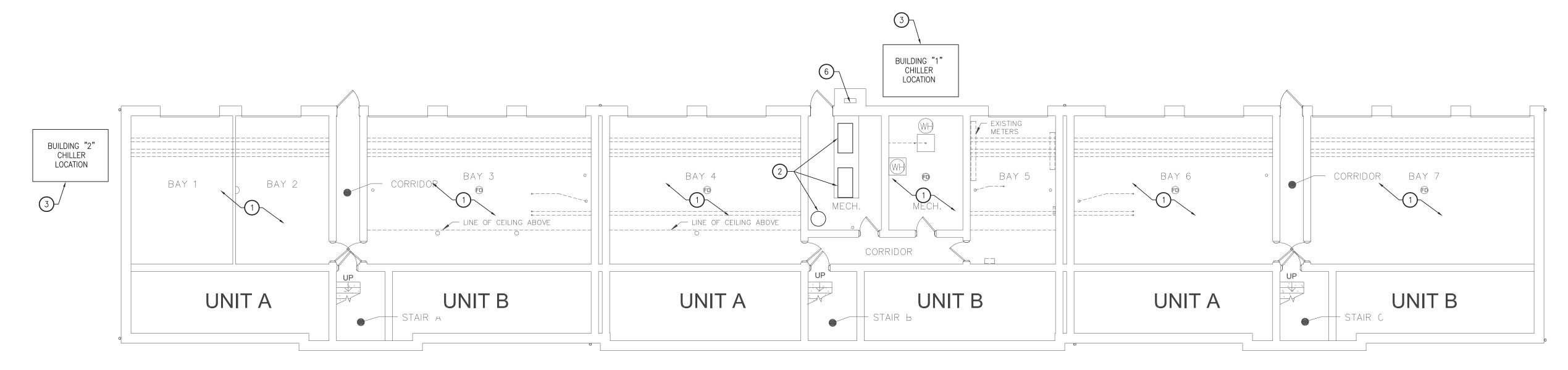
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BUILDING 1 & 2

1 MECHANICAL PLAN - LEVEL 0.0

M1.01 SCALE: 1/8" = 1'-0"

MECHANICAL PLAN - LEVEL 2.0

2 MECHANICAL PLAN - LEVEL 1.0 & 1.5

M1.01/SCALE: 1/8" = 1'-0"

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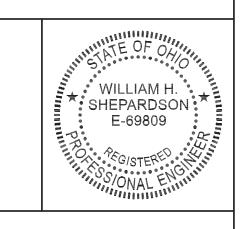
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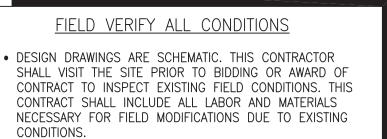
LDA Project No. 13.25

Mechanical Plan

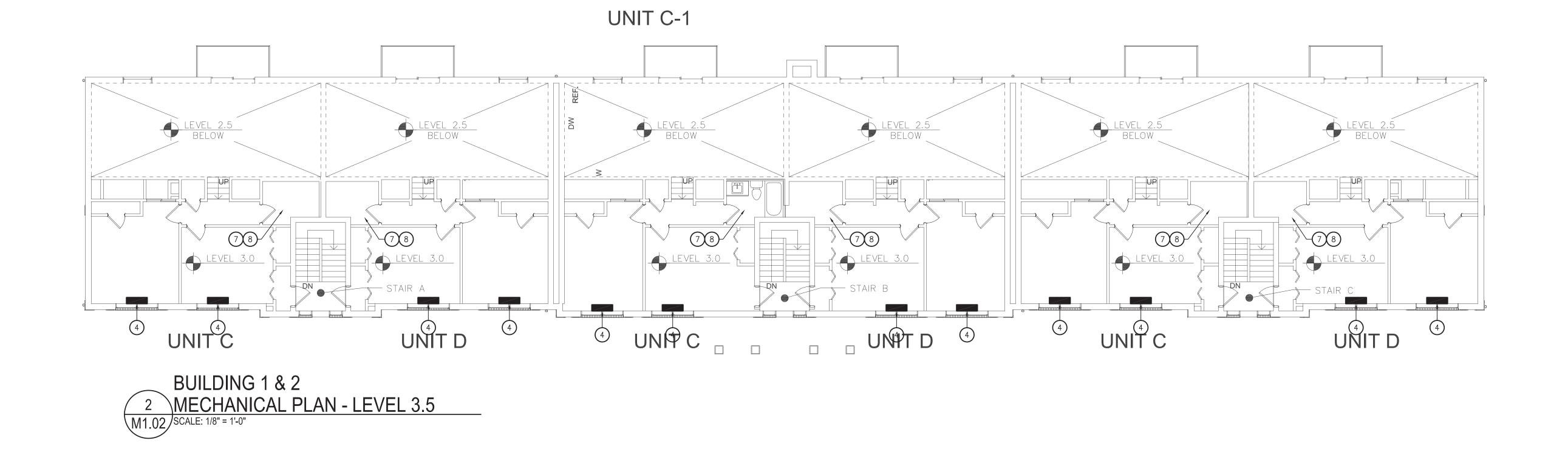
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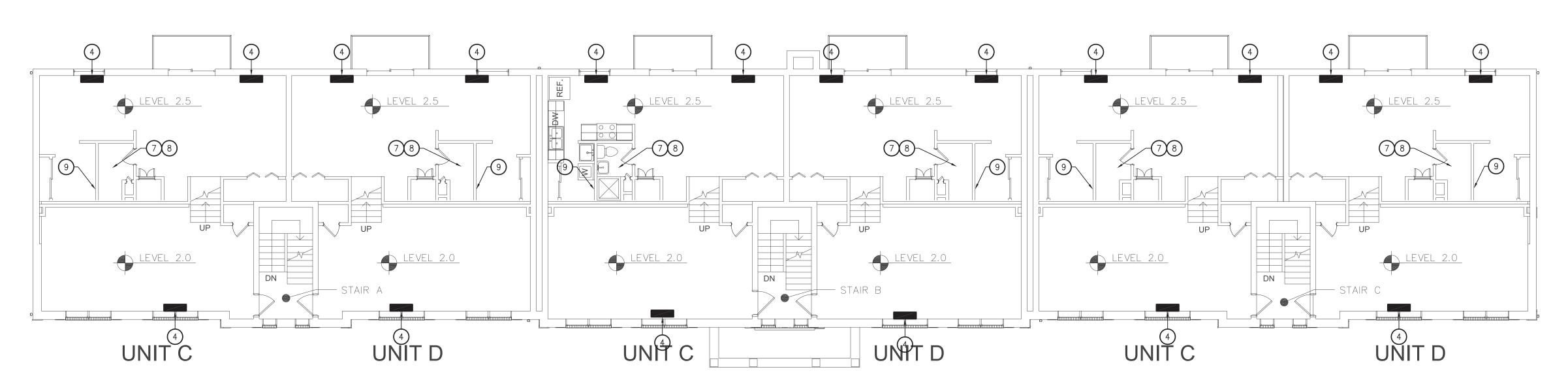
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f 216.932.1891



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BUILDING 1 & 2

1 MECHANICAL PLAN - LEVEL 2.5 & 3.0

M1.02 SCALE: 1/8" = 1'-0"

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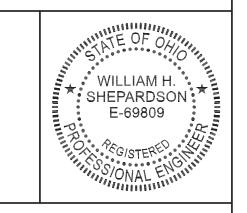
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Horizon Hills

Cincinnati Metropolitan Housing Authority
Intersection at Grand and Warsaw Avenue,

LDA Project No. 13.25

Mechanical Plan

Cincinnati, OH 45204

 $\overline{M1.02}$

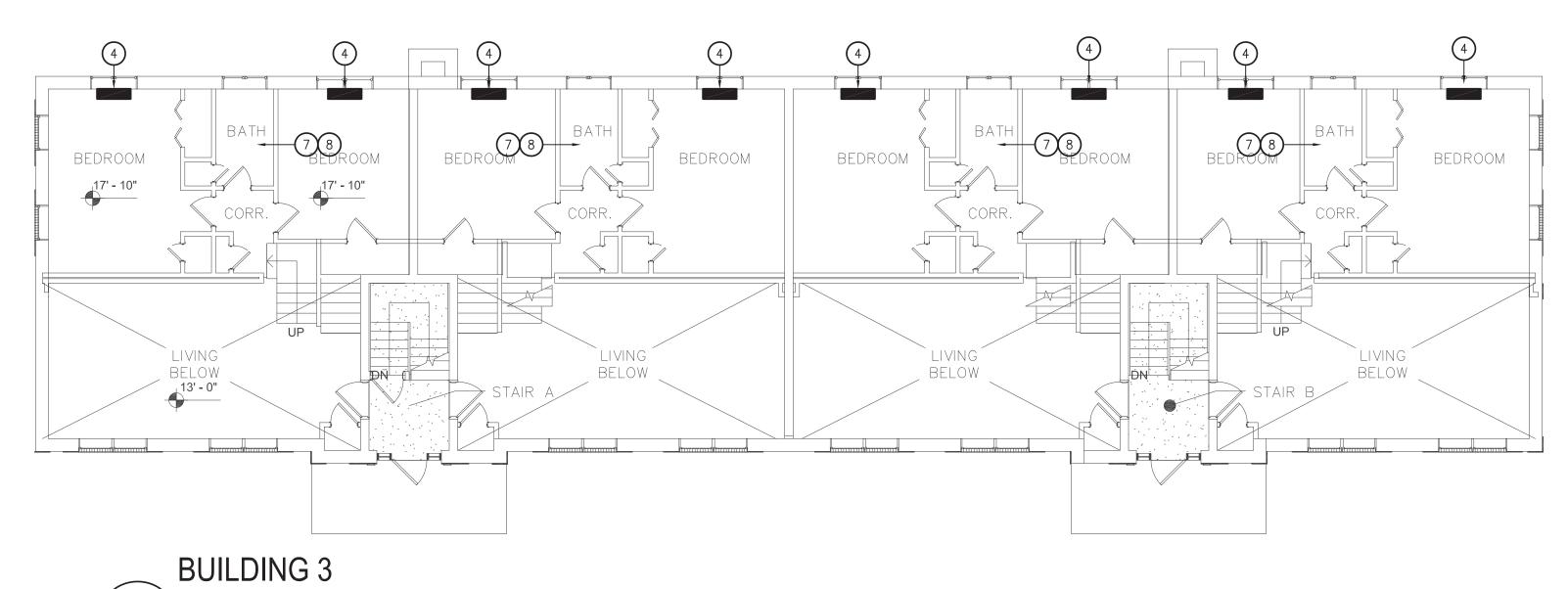
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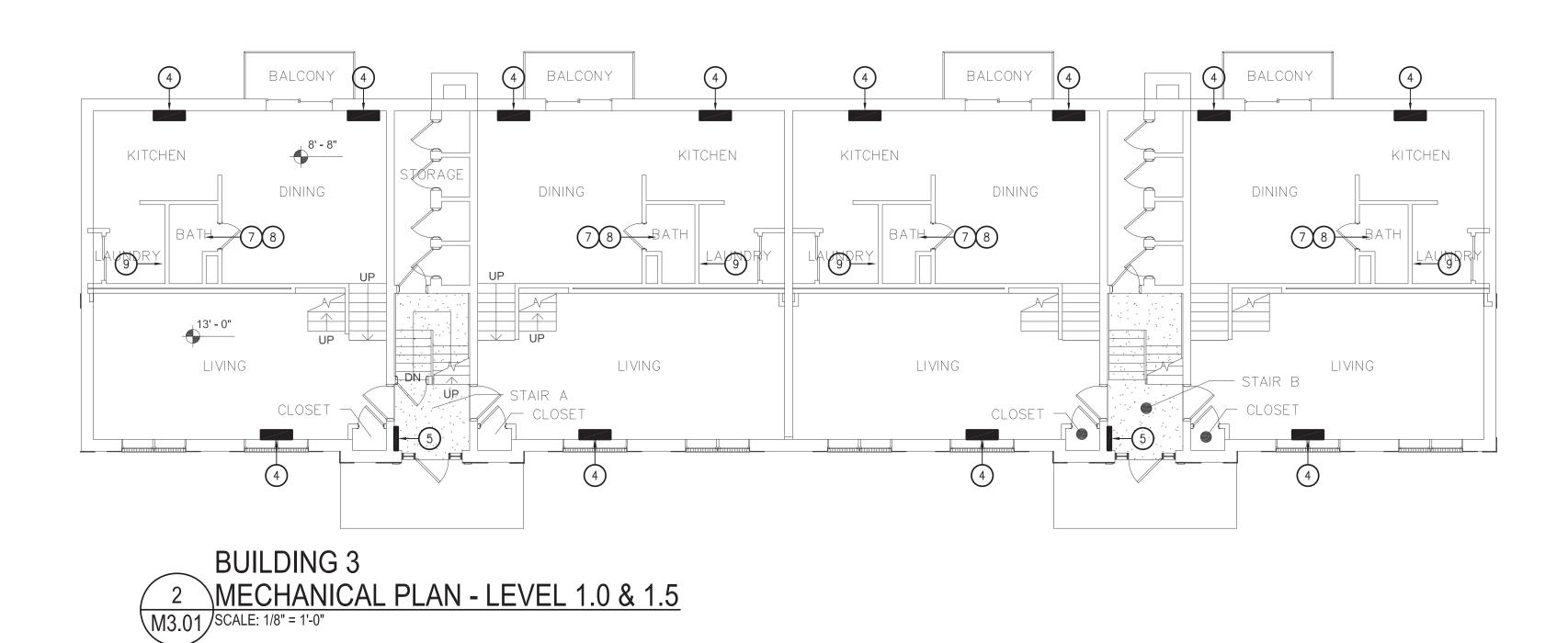
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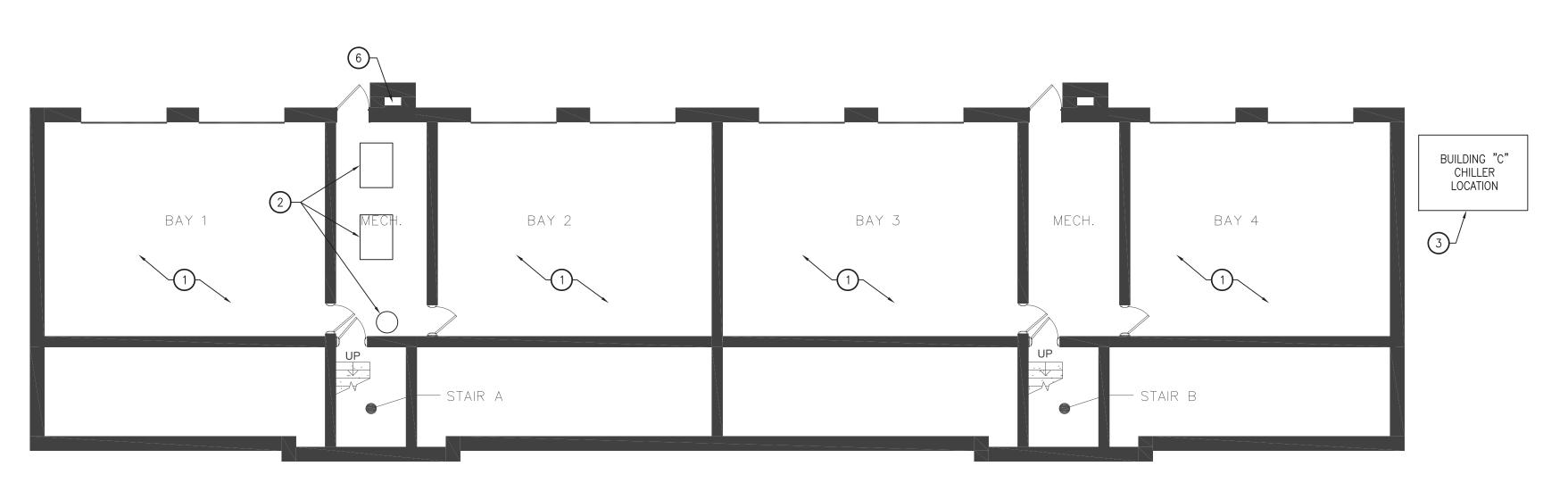
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3 MECHANICAL PLAN - LEVEL 2.0 M3.01 SCALE: 1/8" = 1'-0"





BUILDING 3

1 MECHANICAL PLAN - LEVEL 0.0

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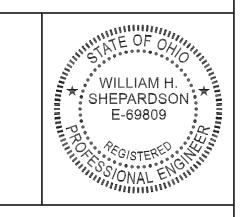
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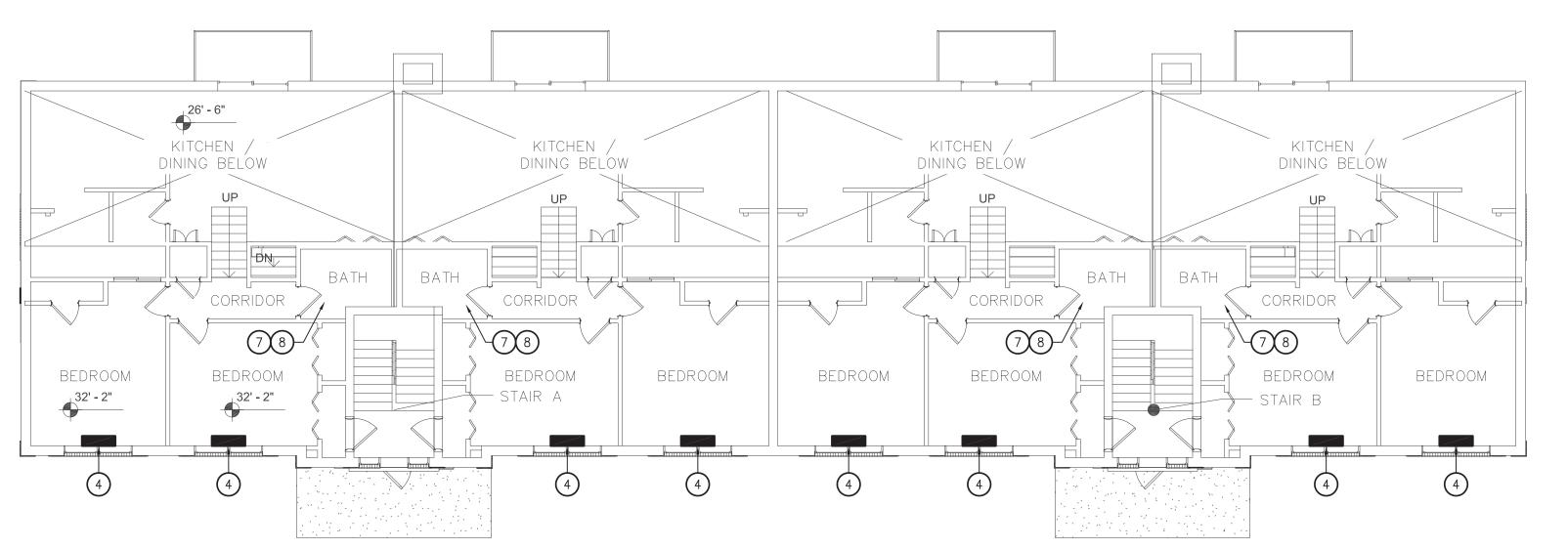
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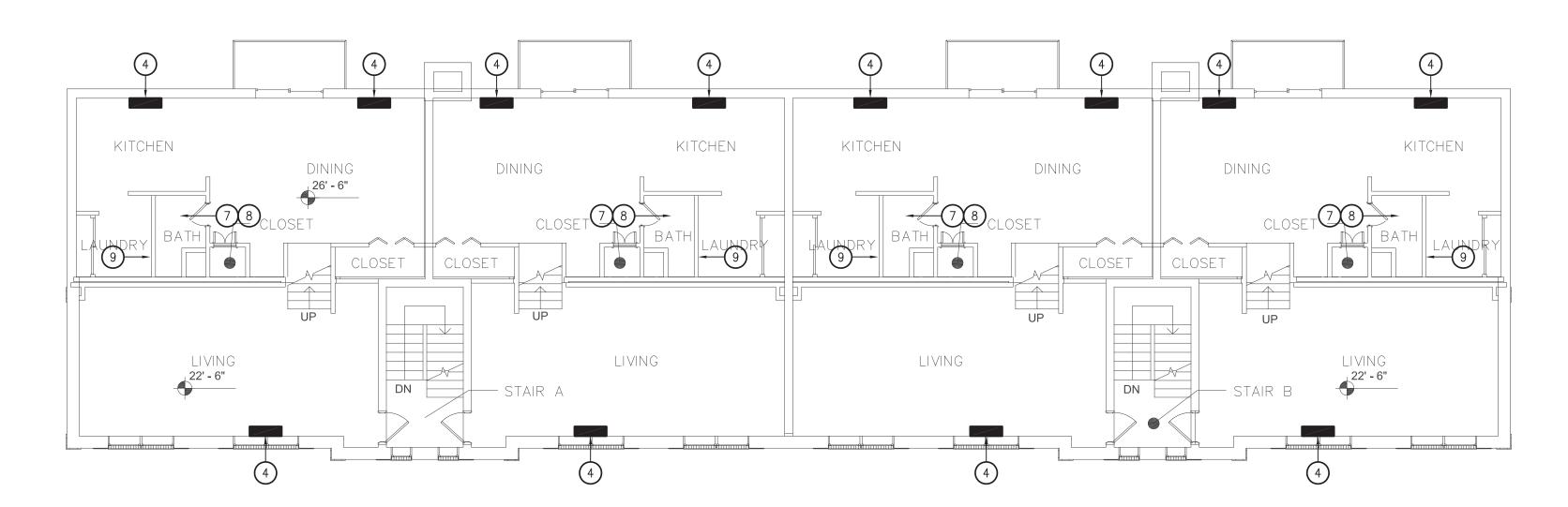
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BUILDING 3

2 MECHANICAL PLAN - LEVEL 3.5

M3.02 SCALE: 1/8" = 1'-0"



BUILDING 3

1 MECHANICAL PLAN - LEVEL 2.5 & 3.0

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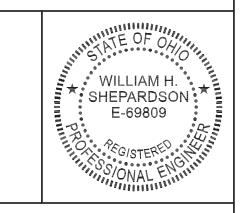
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