

GENERAL NOTES

FOUNDATIONS

- The contractor shall verify the adequacy of all bearing material before placing footings and shall place all foundations on undisturbed soil of adequate capacity.

CONCRETE

- All concrete shall be 4000 psi compressive strength at 28 days. All concrete exposed to freezing weather shall be air-entrained, 6% ±1%. All concrete work shall be as per ACI 318-05, Building Code for Reinforced Concrete and the CRSI Manual of Standard Practice.
- All reinforcement shall be A615, grade 60. Welded wire fabric shall be A185. Bar clearances shall be as follows:
Footings - 3"
Walls and Columns - 1 1/2"
Slab-on-grade - Mid-depth
Reinforcement shall be lapped 24 bar diameter, 1'-6" minimum, or as detailed. L-bars 1'-6" x 1'-6" shall be provided at corners to match the horizontal reinforcement.
- Holes through walls shall be reinforced with four #4 diagonal bars in each face extending past the corner of the opening 1'-6".
- Footings shall be supported on high chairs or sand plates. No bricks or rebar permitted. Dowels shall be tied to the footing mat. Dowels shall not be floated in.

STRUCTURAL STEEL

- All structural steel rolled shapes shall be A992, minimum yield strength 50 ksi. Plates and angles shall be A36. Steel pipe shall be A501 or A53, Types E or S, grade B. Structural tubing shall be ASTM A500, grade B.
- All steel work shall be in accordance with the AISC Specification for Structural Steel Buildings and the Code of Standard Practice. All welding shall be in accordance with AWS D1.1-94, the Structural Welding Code. Welding electrodes shall be E70XX Series.
- Connections not shown shall be designed by the fabricator for the capacity of the member as shown in the AISC Manual. All field connections shall utilize 3/4 in. dia. A325 bolts in bearing type connections with threads included in the shear plane. Shop connections may be welded or bolted using 3/4 in. A325 bolts.

FRAMING LUMBER

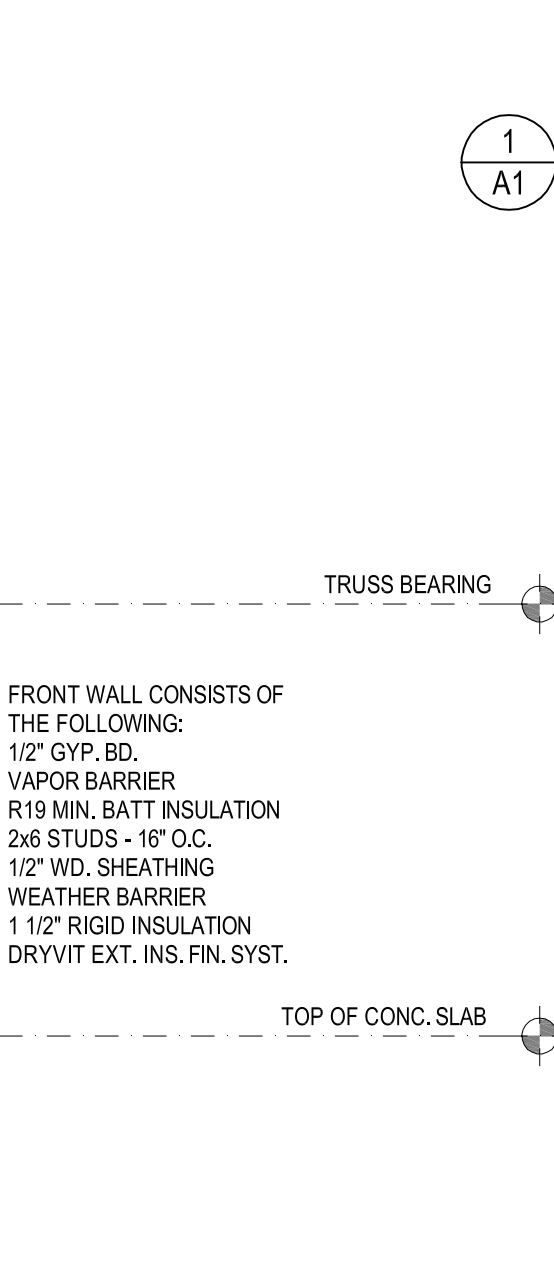
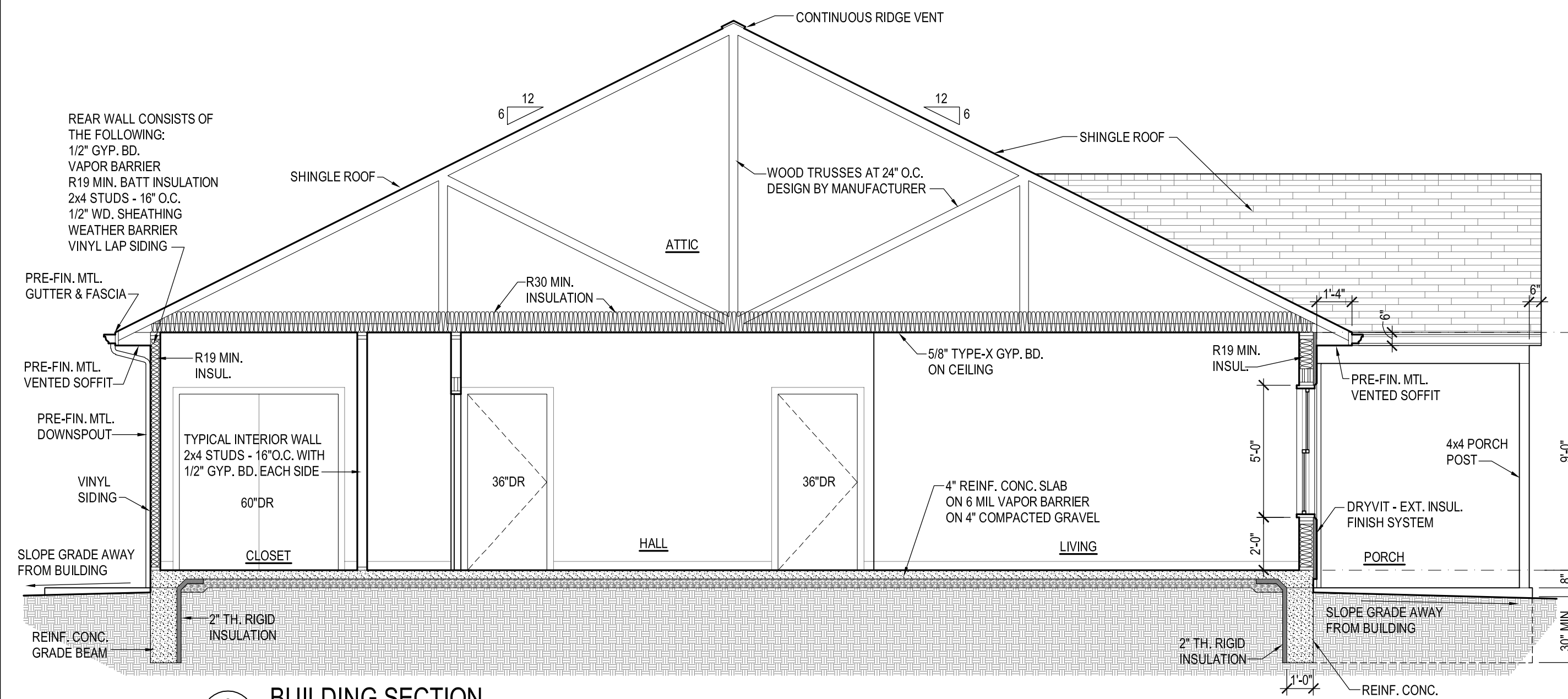
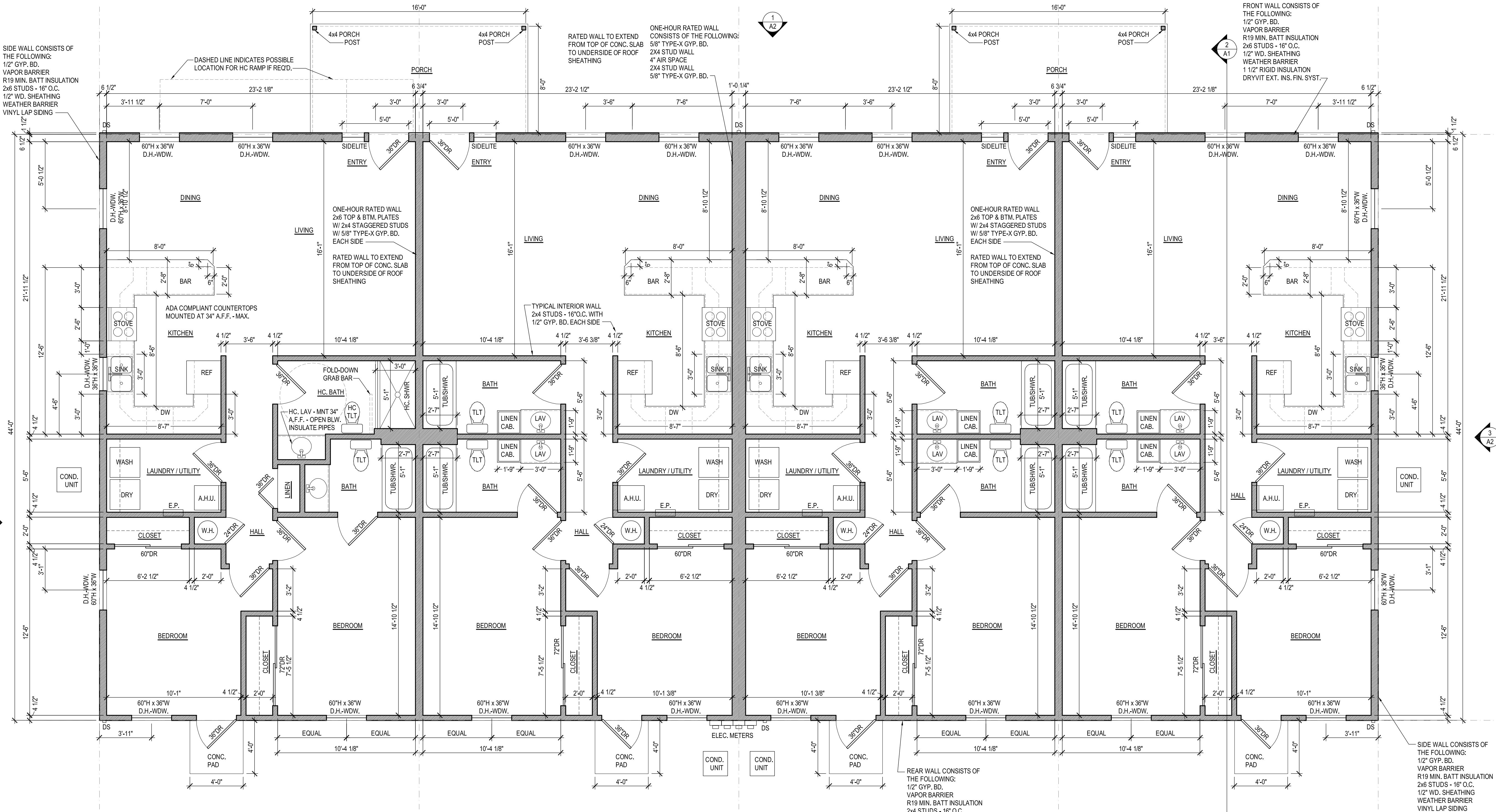
- Load Bearing 2x4 or 2x6 (see plan) studs shall be #1 SYP or equal with the following design values:
Fb = 1850 psi, Fc = 1850 psi, E = 1,700,000 psi

NAILING PATTERN OF ROOF DECK, FLOOR DECK AND EXTERIOR STUD WALLS

- Nail 1/2" OSB roof deck w/ 10d nails @ 6" o.c. at all panel edges. Nail intermediate framing w/ 10d nails @ 12" o.c. Use plywood clips on panel edges.
- Nail 3/4" OSB floor deck to floor joists w/ 10d nails @ 6" o.c. at supported plywood edges and 10d nails @ 12" o.c. at intermediate framing.
- Nail 7/16" OSB wall sheathing w/ 8d nails @ 6" o.c. at all panel edges. Block panel edges with 2" wide blocking and nail to studs. Nail at intermediate studs with 8d nails @ 12" o.c.

DESIGN LOADS

- The building is designed in accordance with the 2006 International Building Code.
- Design loads are as follows:
Roof: DL - 20 psf, LL 30 psf. (plus drifting snow loads)
Wind: 90 mph velocity, Exposure C, I = 1.0, Per 2006 IBC
Seismic: Ss = .25, S1 = .12, Seismic Use Group I, Ie = 1.0, Site Class D, Sds = 0.267, Sd1 = 0.185, Seismic Design Category C, Lateral Force Resisting System: Plywood Shear Walls



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

2 BUILDING SECTION
SCALE: 1/4" = 1'-0"

APPLICABLE CODES:
INTERNATIONAL BUILDING CODE - 2003
NATIONAL ELECTRIC CODE - CURRENT EDITION
PLUMBING CODE - CURRENT EDITION
INTERNATIONAL MECHANICAL CODE
NFPA LIFE SAFETY 101
IL ACCESSIBILITY CODE - CURRENT EDITION
GREENVILLE, IL - CODE OF ORDINANCES

GENERAL NOTES:
FINAL ELECTRICAL POWER & LIGHTING DESIGN TO BE DETERMINED BY ELECTRICAL CONTRACTOR
FINAL HEATING & COOLING SYSTEM TO BE DETERMINED BY HVAC CONTRACTOR
CONSULT WITH OWNER FOR FINAL MATERIAL, FINISH, CASEWORK & EQUIPMENT SELECTIONS

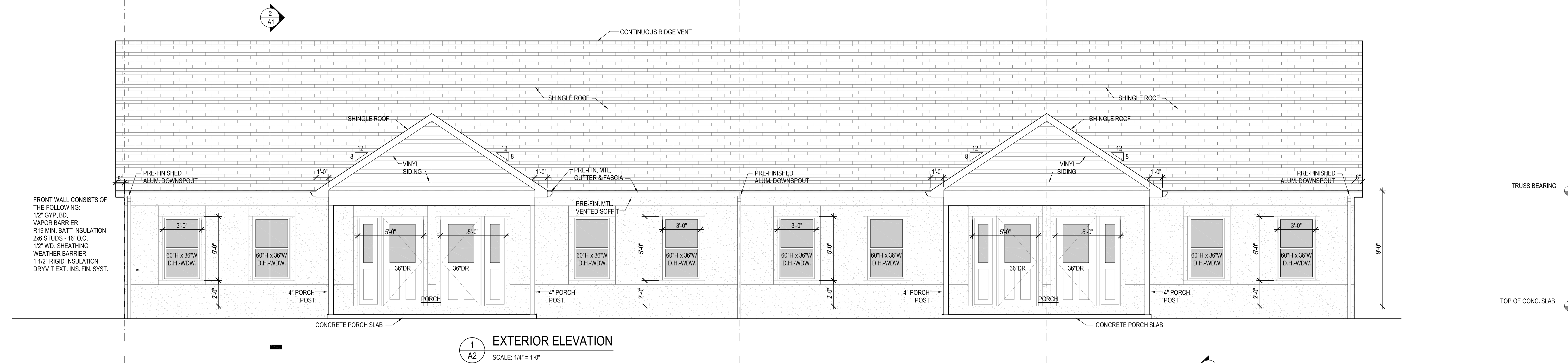
BUILDING DATA:
USE & OCCUPANCY CLASSIFICATION: RESIDENTIAL GROUP R-2 IBC 2003
NEW TOTAL GSF
4,224 SF

Illinois law requires anyone digging, regardless of the depth of the project, to call JULIE at 1-800-892-0123. This notice must be at least 48 hours/two working days prior to the start of excavation and the project must begin within 14 calendar days from the call.

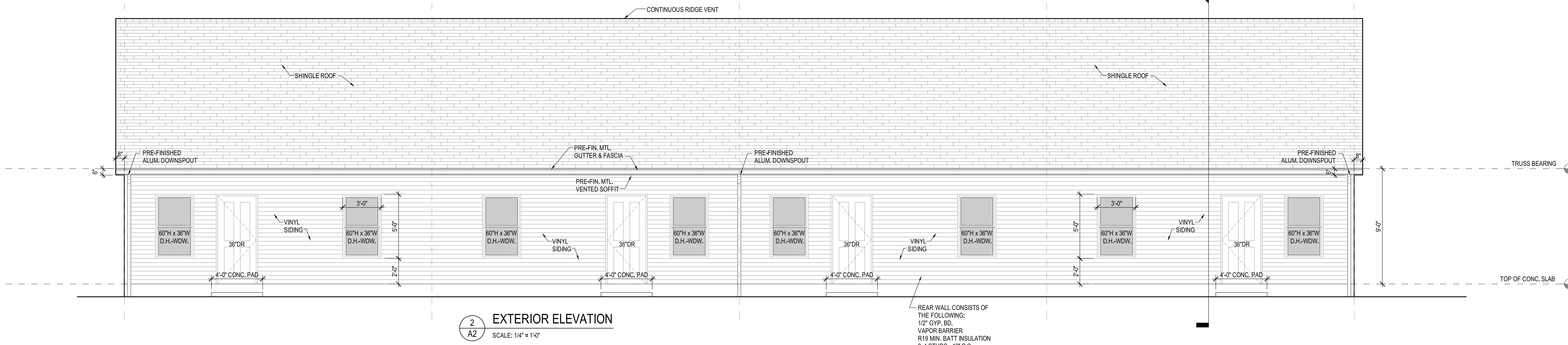
NOTE: CONTRACTOR SHALL OBTAIN AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND BE FULLY RESPONSIBLE FOR SAME.



FLOOR PLAN	PROJ. NO.: 1023
	DATE: 07-20-10
4-Unit Apartment Building for Troy Schukar	
730 East City - Route 40, Greenville, IL 62246	
A1	

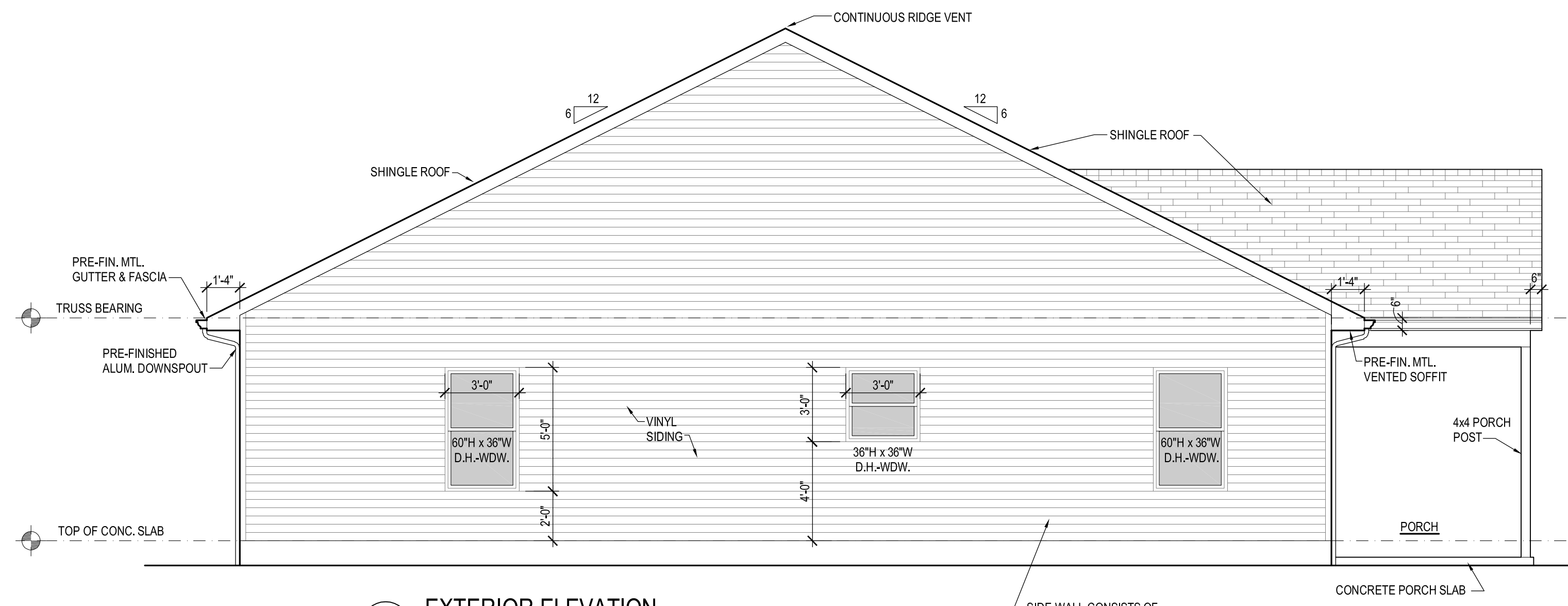


1
A2
EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



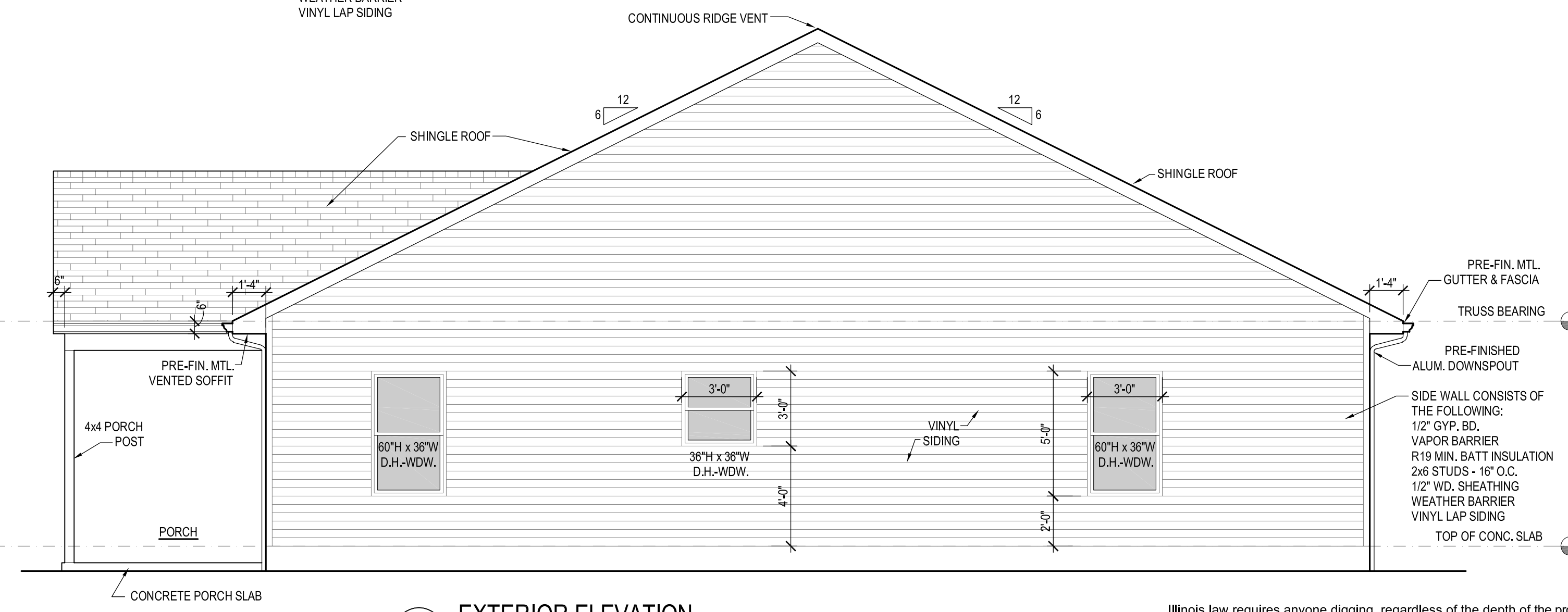
2
A2
EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

REAR WALL CONSISTS OF THE FOLLOWING:
1/2" GYP. BD.
VAPOR BARRIER
R19 MIN. BATT INSULATION
2x4 STUDS - 16" O.C.
1/2" WD. SHEATHING
WEATHER BARRIER
VINYL LAP SIDING



3
A2
EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

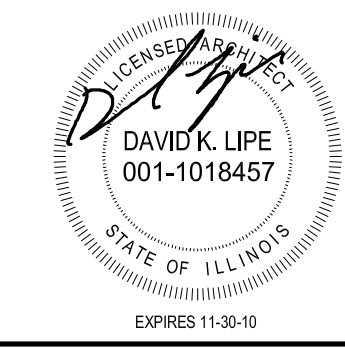
SIDE WALL CONSISTS OF THE FOLLOWING:
1/2" GYP. BD.
VAPOR BARRIER
R19 MIN. BATT INSULATION
2x6 STUDS - 16" O.C.
1/2" WD. SHEATHING
WEATHER BARRIER
VINYL LAP SIDING



4
A2
EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

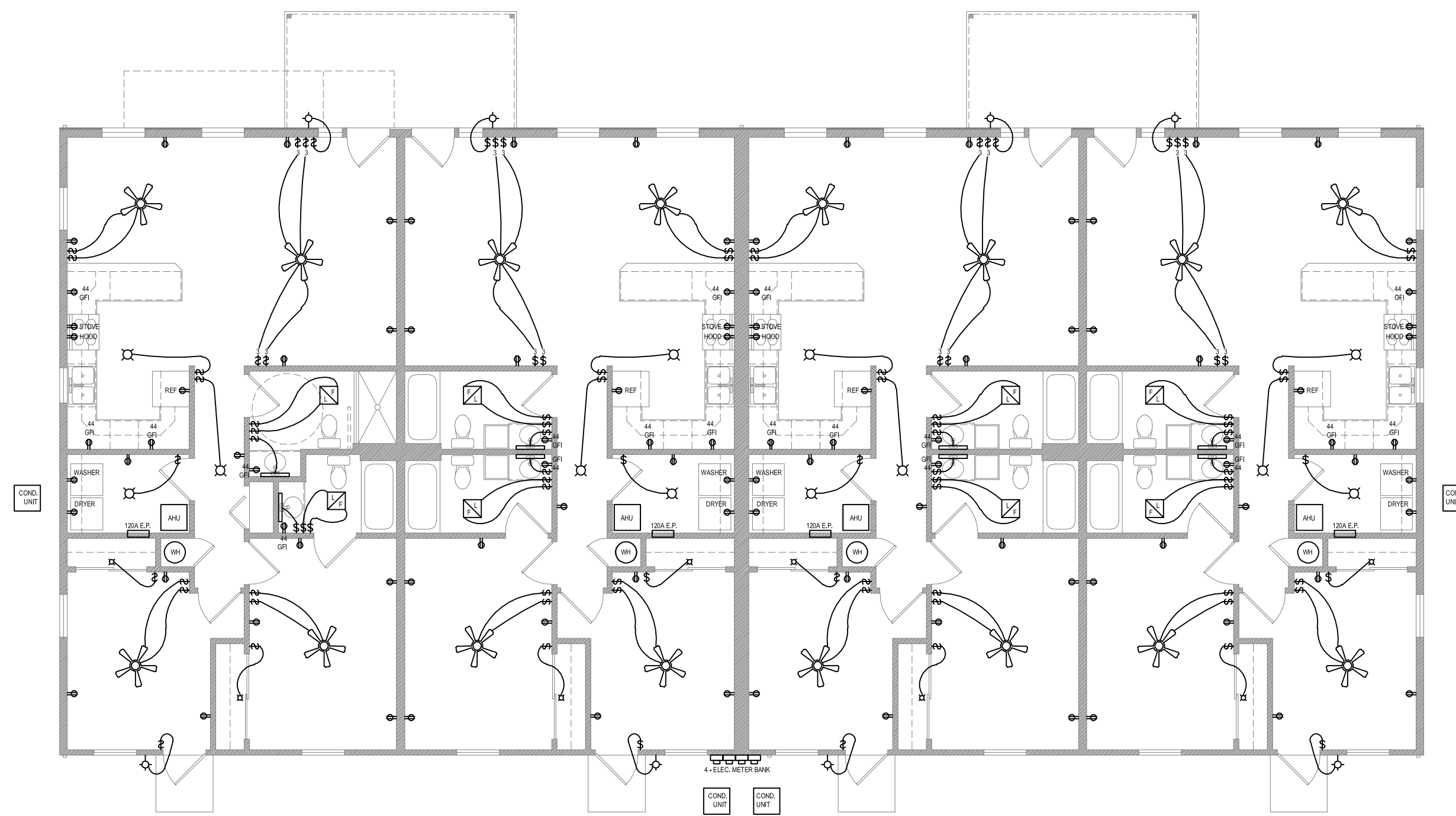
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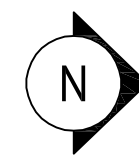
LIPE ARCHITECTURE
www.lipe-architecture.com
217-563-7838 phone
217-563-7843 fax
603 School Street
Nokomis, IL 62075

EXTERIOR ELEVATIONS	PROJ. NO.: 1023
4-Unit Apartment Building for Troy Schukar 730 East City - Route 40, Greenville, IL 62246	DATE: 07-20-10
	A2



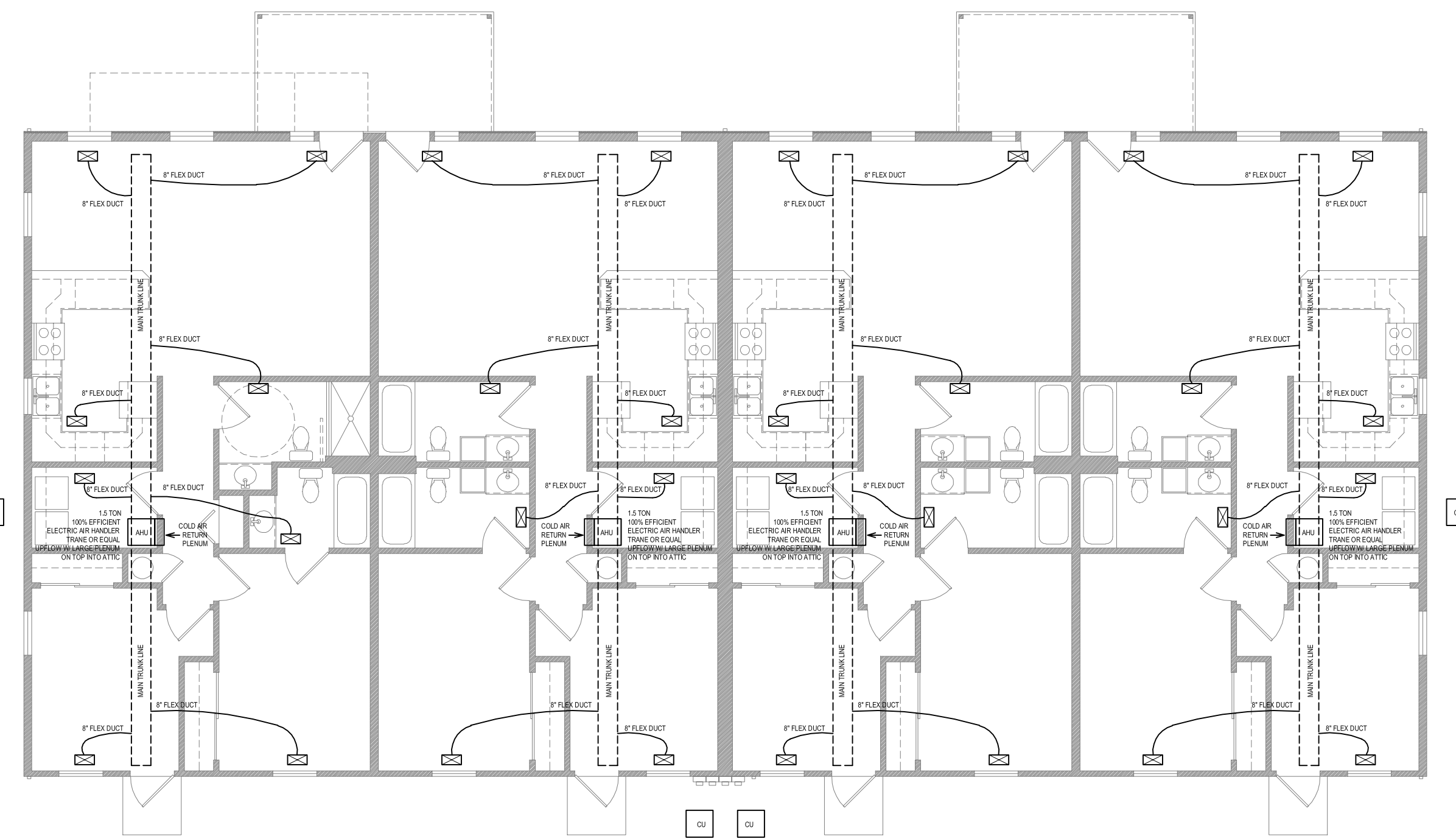
FINAL ELECTRICAL POWER & LIGHTING DESIGN TO BE DETERMINED BY ELECTRICAL CONTRACTOR

1 FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"



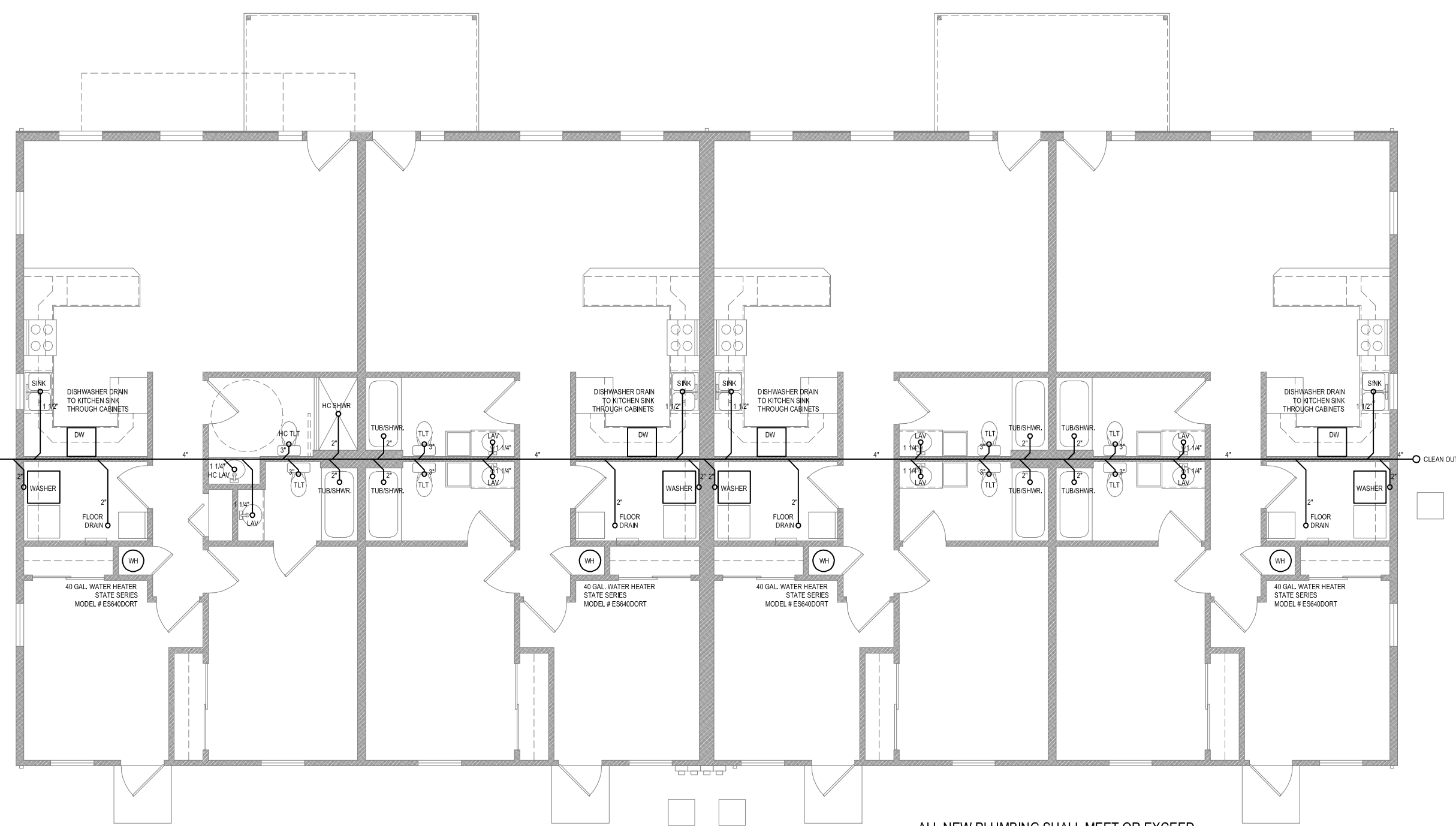
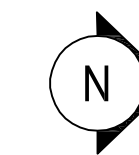
ELECTRICAL NOTES:

1. 120A SQUARE D BRAND SERVICE PANELS WHERE SHOWN ON PLAN.
2. LIGHTS, SWITCHES & 110V OUTLETS AS SHOWN ON PLAN.
3. DESIGNATED CIRCUITS:
 - A. 240V AIR HANDLER
 - B. 240V RANGE
 - C. 240V DRYER
 - D. 240V AIR UNIT
 - E. 110V WASHER
 - F. 110V REFRIGERATOR
 - G. GFI - BATHROOM
 - H. GFI - KITCHEN
4. REMAINING CIRCUITS - 1 FOR EACH BEDROOM, DINING & LIVING ROOM
5. ELECTRICAL SERVICE TO BE UNDERGROUND TO BUILDING THEN UP TO METER BASES APPROXIMATELY 8'-6" ABOVE GRADE.



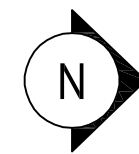
FINAL HEATING & COOLING SYSTEM TO BE DETERMINED BY HVAC CONTRACTOR

2 FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



SANITARY 8" P-LINE ON WEST SIDE GOING SOUTH. WATER SERVICE UP FROM 18" SANITARIUM.

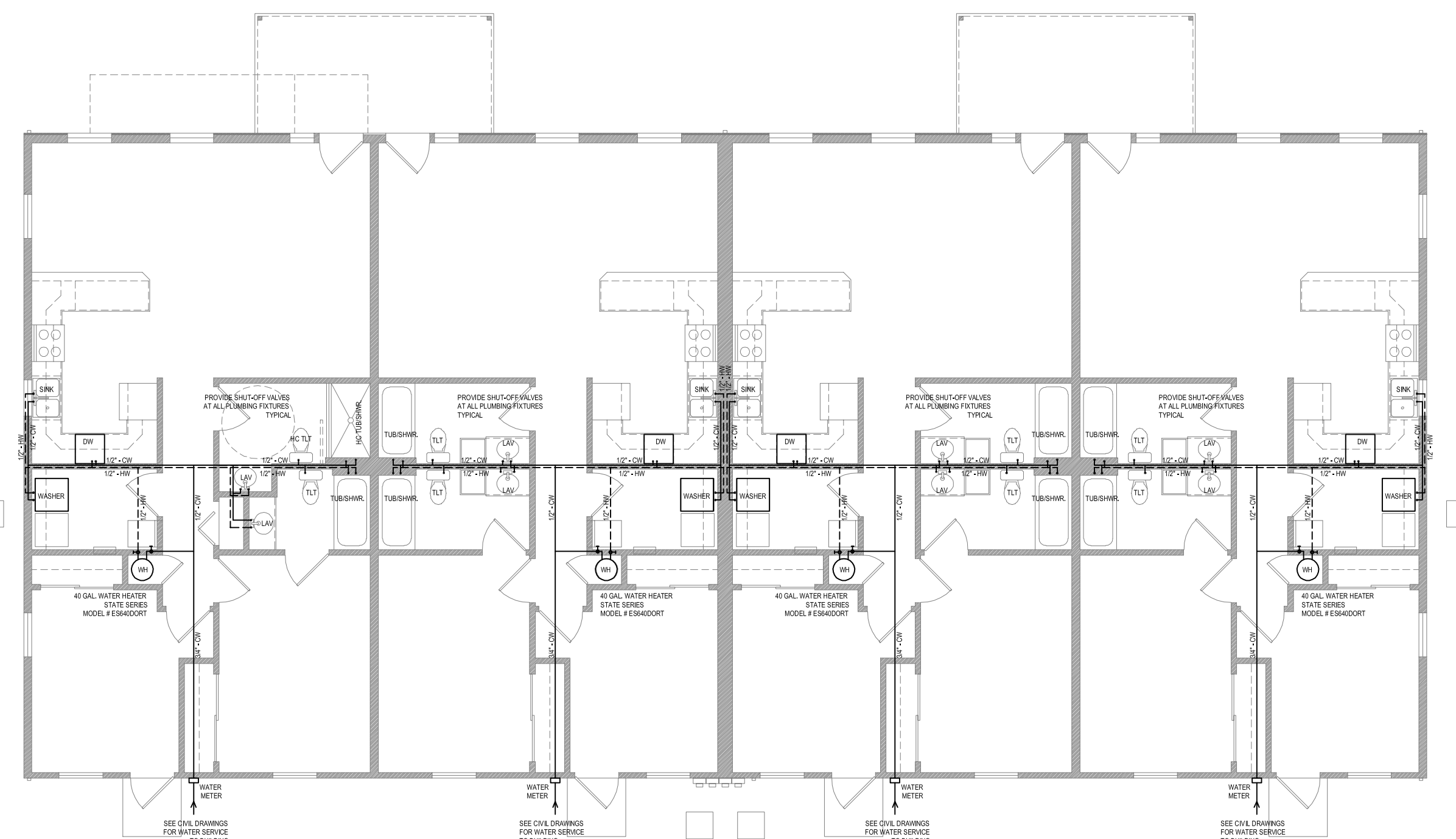
3 FLOOR PLAN - PLUMBING SANITARY
SCALE: 1/8" = 1'-0"



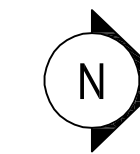
ALL NEW PLUMBING SHALL MEET OR EXCEED REQUIREMENTS OF:
TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER c: WATER AND SEWAGE
PART 890 ILLINOIS PLUMBING CODE

FINAL PLUMBING SANITARY & SUPPLY DESIGN TO BE DETERMINED BY PLUMBING CONTRACTOR

1. All water distribution lines are CPVC (ASTM D-2846) with approved fittings per Illinois Plumbing Code.
2. All DWV piping is PVC (ASTM D 2665) with approved fittings per Illinois Plumbing Code.



4 FLOOR PLAN - PLUMBING SUPPLY
SCALE: 1/8" = 1'-0"



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Nokomis, IL
62075

FLOOR PLANS - ELECTRICAL, MECHANICAL & PLUMBING	PROJ. NO.: 1023
	DATE: 07-20-10
4-Unit Apartment Building for Troy Schukar 730 East City - Route 40, Greenville, IL 62246	
A3	