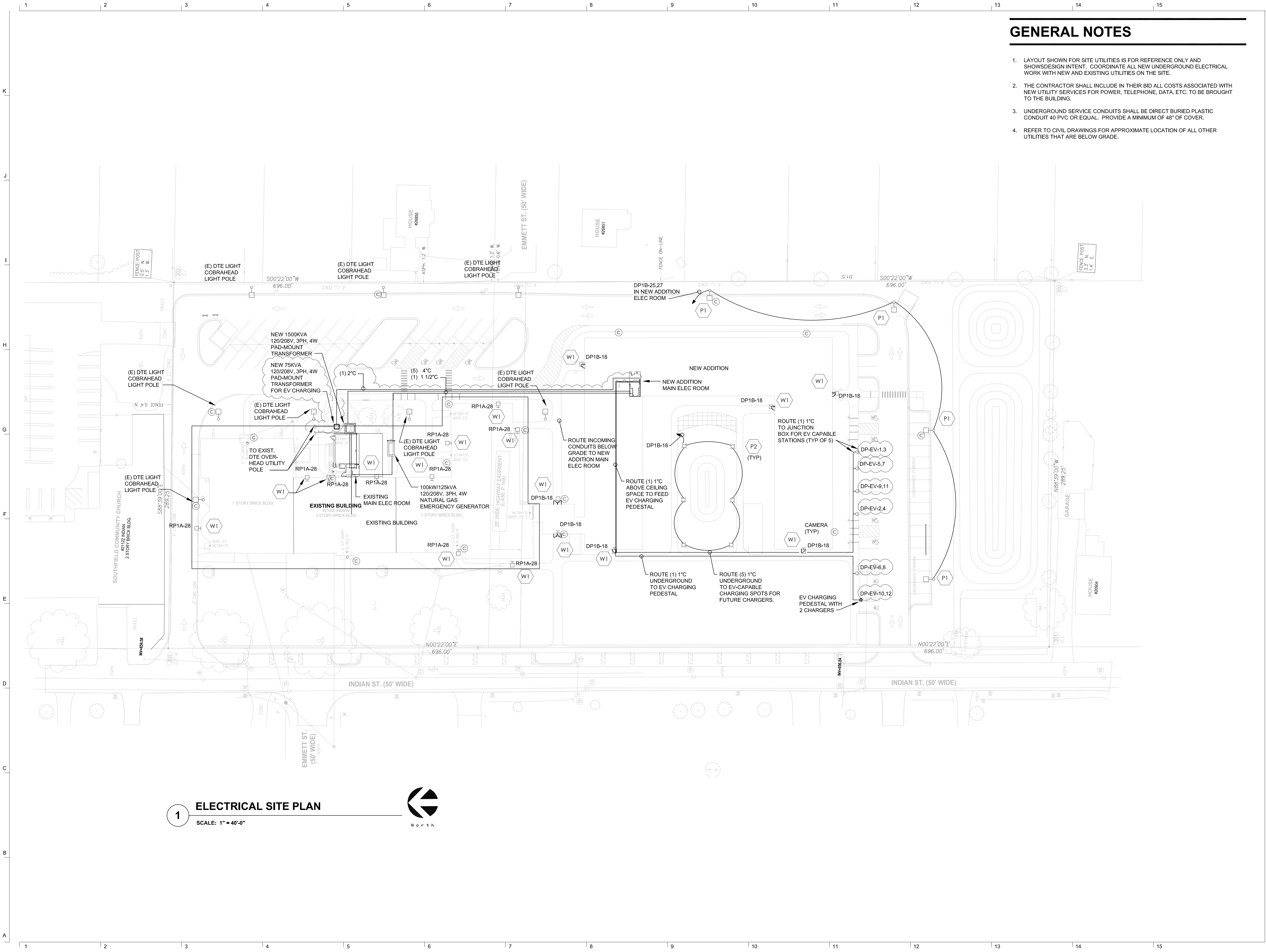




1 ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"



GENERAL NOTES

- LAYOUT SHOWN FOR SITE UTILITIES IS FOR REFERENCE ONLY AND SHOWS DESIGN INTENT. COORDINATE ALL NEW UNDERGROUND ELECTRICAL WORK WITH NEW AND EXISTING UTILITIES ON THE SITE.
- THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS ASSOCIATED WITH NEW UTILITY SERVICES FOR POWER, TELEPHONE, DATA, ETC. TO BE BROUGHT TO THE BUILDING.
- UNDERGROUND SERVICE CONDUITS SHALL BE DIRECT BURIED PLASTIC CONDUIT 40 PVC OR EQUAL. PROVIDE A MINIMUM OF 48" OF COVER.
- REFER TO CIVIL DRAWINGS FOR APPROXIMATE LOCATION OF ALL OTHER UTILITIES THAT ARE BELOW GRADE.

John Grace Arms
21030 Indian St, Southfield MI 48033
Developed by
John Grace Arms LDHA LLC

SDG
Architects + Planners
607 Shelby Street
Suite 704
Detroit, MI 48226
Tel: 313-961-9000
Fax: 313-964-3233

A & A Engineering & Consulting
28862 Vista Way, South Lyon, MI 48178

REGISTRATION SEAL

KEY PLANS

SHEET TITLE
ELECTRICAL SITE PLAN

SCALE: AS NOTED

ISSUED FOR	DATE
Bulletin No. 1	02.19.2025
Bulletin No. 2	03.05.2025
Bulletin No. 5	10.13.2025
Bulletin No. 6	11.21.2025

DRAWN BY: SC
CHECKED: MJ

APPROVED:
21026.00
FILE NO.
ES-101
SHEET NO.

Diagram illustrating the electrical equipment and wiring for a new addition building. The equipment is located on the exterior of the building, adjacent to the ground level.

Equipment and Components:

- 75KVA 120/208V, 3PH PAD-MOUNT TRANSFORMER Z= 3.5%**
- UTILITY METER** (indicated by a circle with 'M')
- PANEL DPEV 225A MCB 10kAIC**

Wiring and Connections:

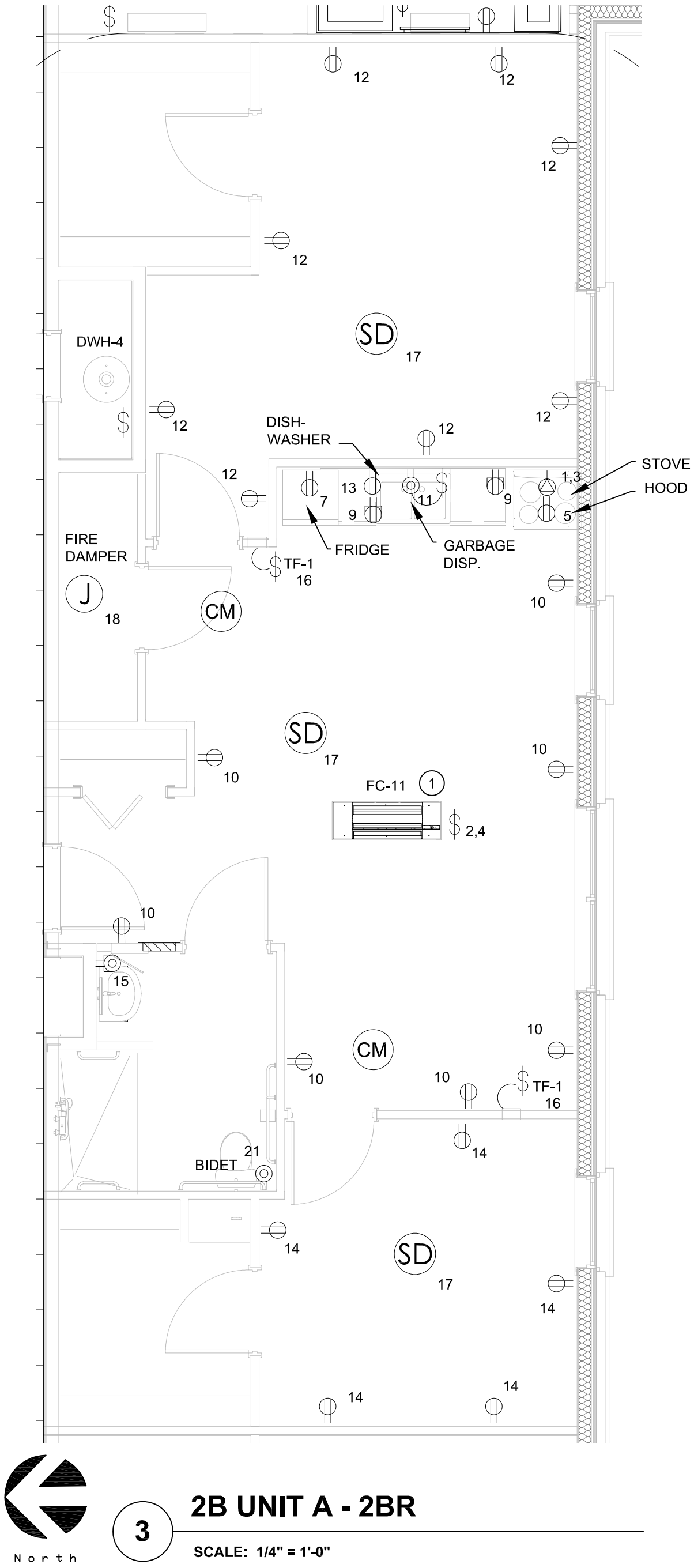
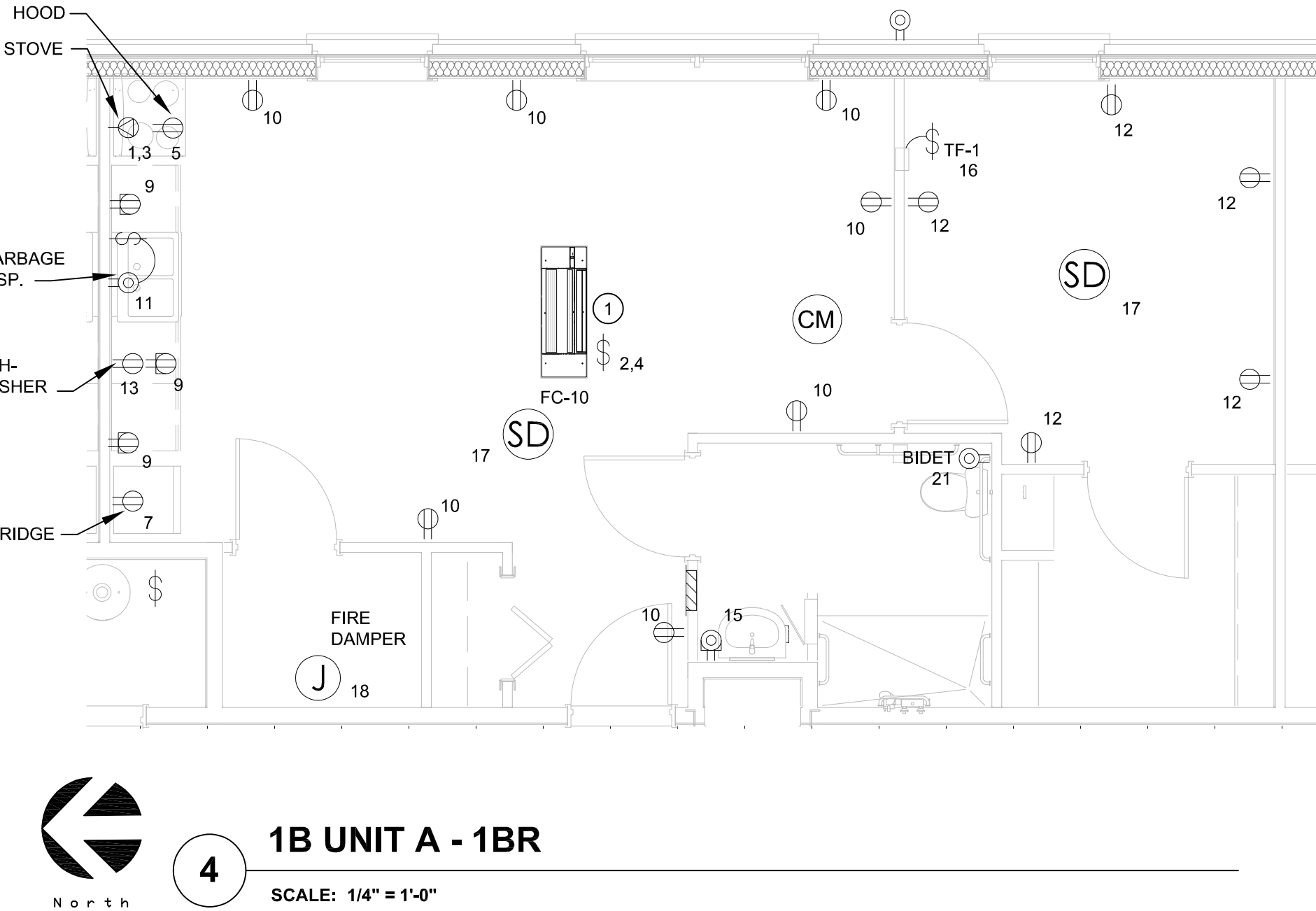
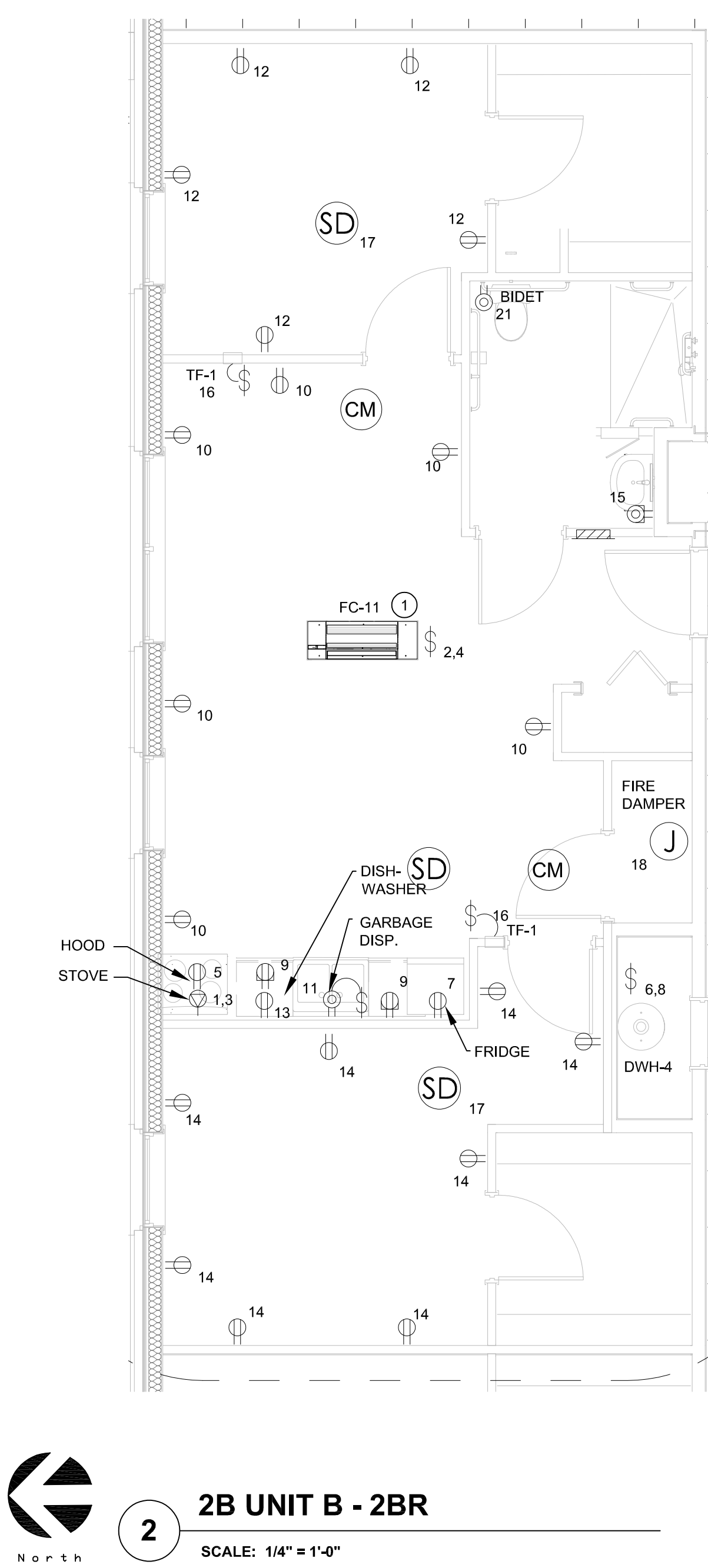
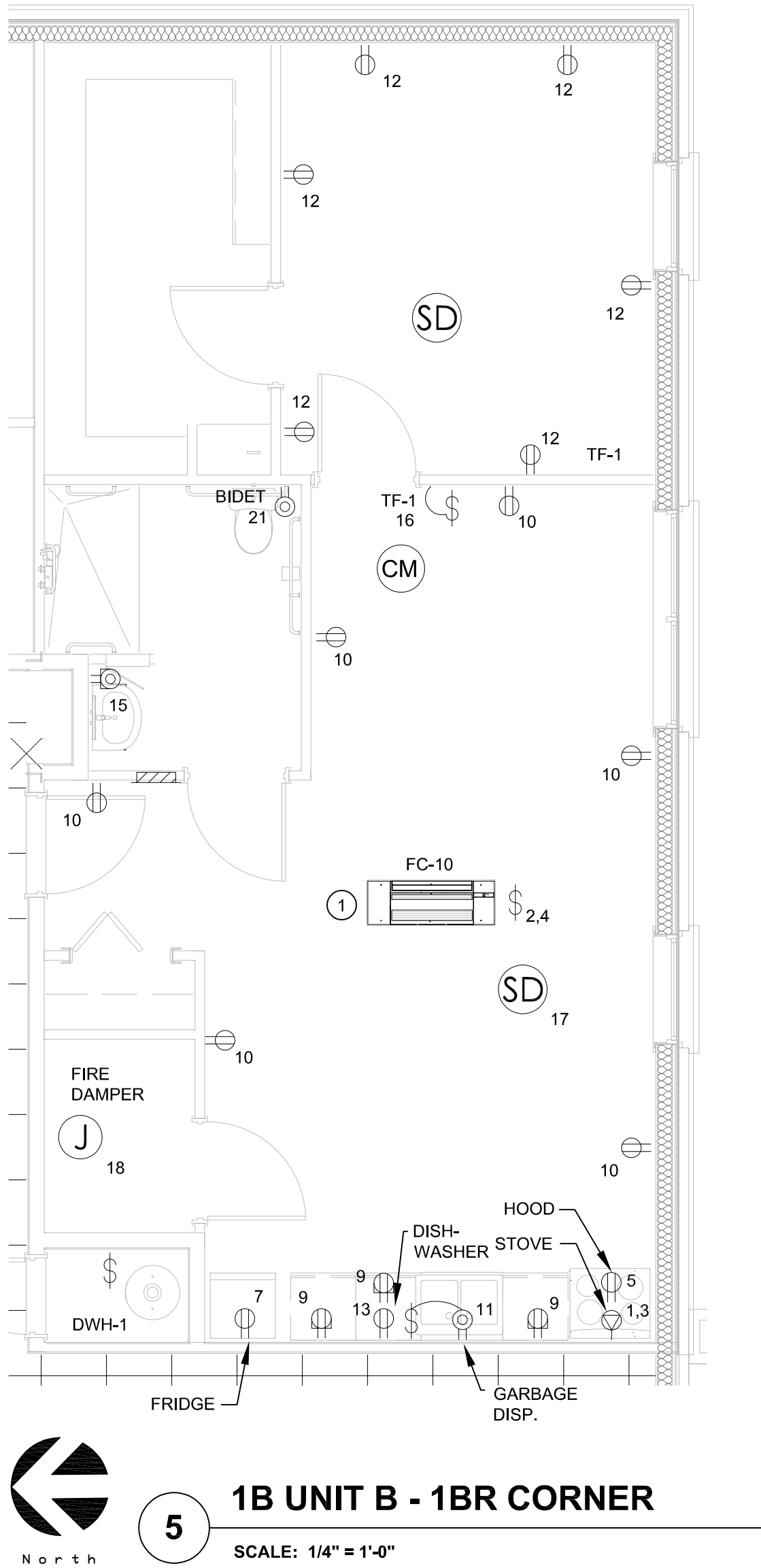
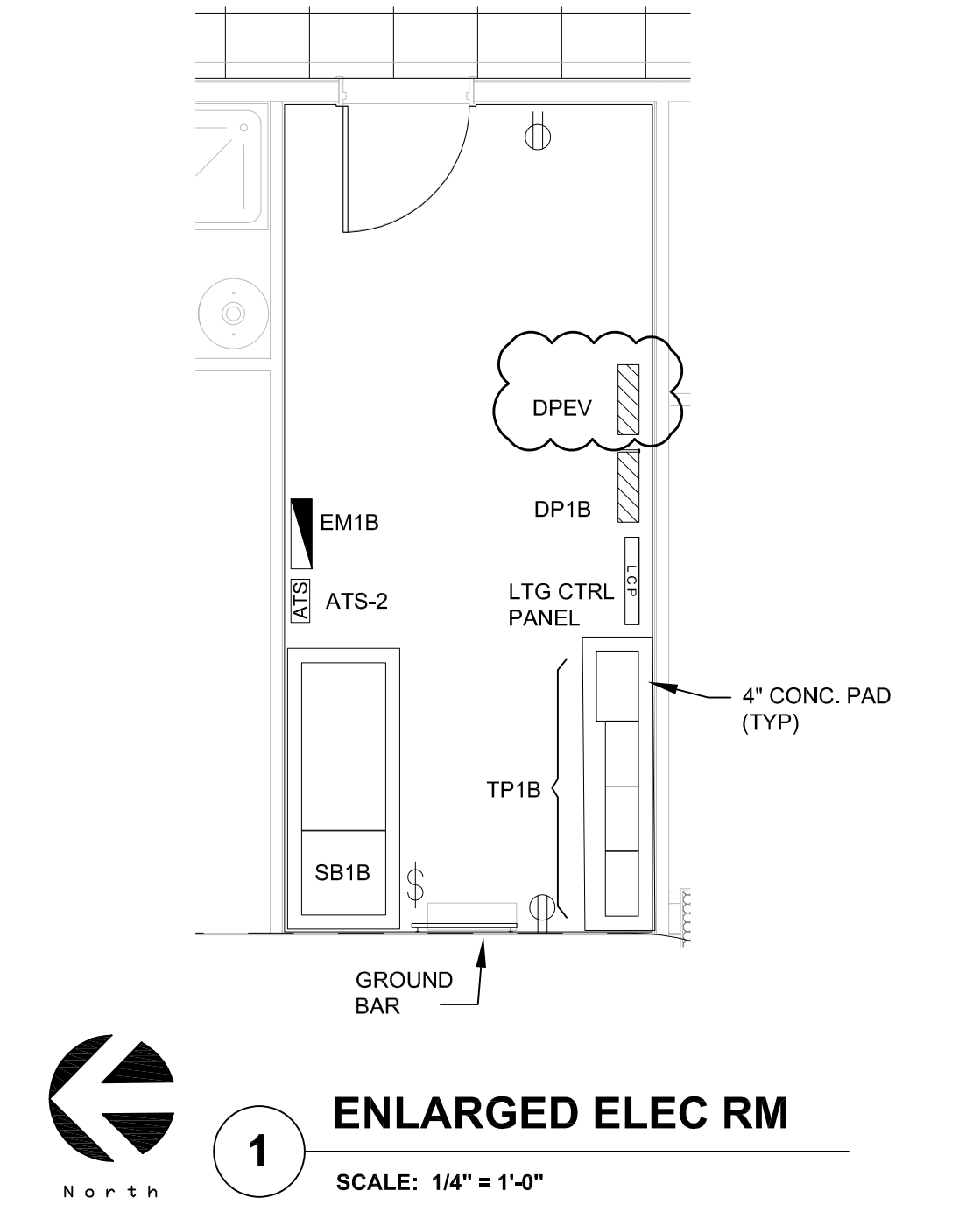
- Incoming service for EV charging is shown entering the building from the bottom left, labeled "INCOMING SERVICE FOR EV CHARGING TO BE COORDINATED WITH DTE."
- The transformer is connected to the utility meter.
- The utility meter is connected to the panel.
- The panel is connected to the building's internal wiring, labeled "3#4/0, 1#4 IN 2" C".
- A note indicates: "REFER TO SITE PLAN FOR ROUTING".

SCALE: NO SCALE

E-005

/Volumes/enr/Shared/Projects/-SDG/23-460_SDG_John_Grace_Housing/5_Disciplines-Design/Architectural/CAD/_SD/John_Grace_SD_1.1.pln

K
J
I
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GENERAL NOTES

1. REFER TO SHEET E-001 FOR ELECTRICAL ABBREVIATIONS, SYMBOLS, AND GENERAL NOTES.
2. REFER TO SHEET E-004 FOR RISER DIAGRAM.
3. REFER TO "400" SERIES SHEETS FOR PANELBOARD SCHEDULES WITH CIRCUITING INFORMATION.
4. COORDINATE ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS FOR APPLIANCES AND EQUIPMENT WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
5. COORDINATE FINAL LOCATION AND ANY POWER CONNECTION REQUIREMENTS OF MECHANICAL AND PLUMBING EQUIPMENT PRIOR TO INSTALLATION.
6. VOLTAGE DROP SHALL BE LIMITED TO LESS THAN 3% FOR ALL BRANCH CIRCUITS AND 2% FOR ALL FEEDERS.

KEYNOTES

- ① FC IS SERVED BY ACCU ON ROOF TOP. POWER AND CONTROL CABLING FROM ACCU TO FC WITHIN IS PROVIDED BY MECHANICAL TRADES. ASSOCIATED ROOF ACCU IS FED FROM UNIT PANEL

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Fax: 313-964-3233

A & A Engineering & Consulting
28862 Vista Way, South Lyon, MI 48178

REGISTRATION SEAL

KEY PLANS

SHEET TITLE
**ENLARGED POWER
PLANS - ADDITION**

SCALE: AS NOTED

ISSUED FOR	DATE
Permits	12.20.202
Bulletin No. 6	11.21.202

DRAWN BY
CHECKED

APPROVED

21026.00
EP-404
SHEET NO.