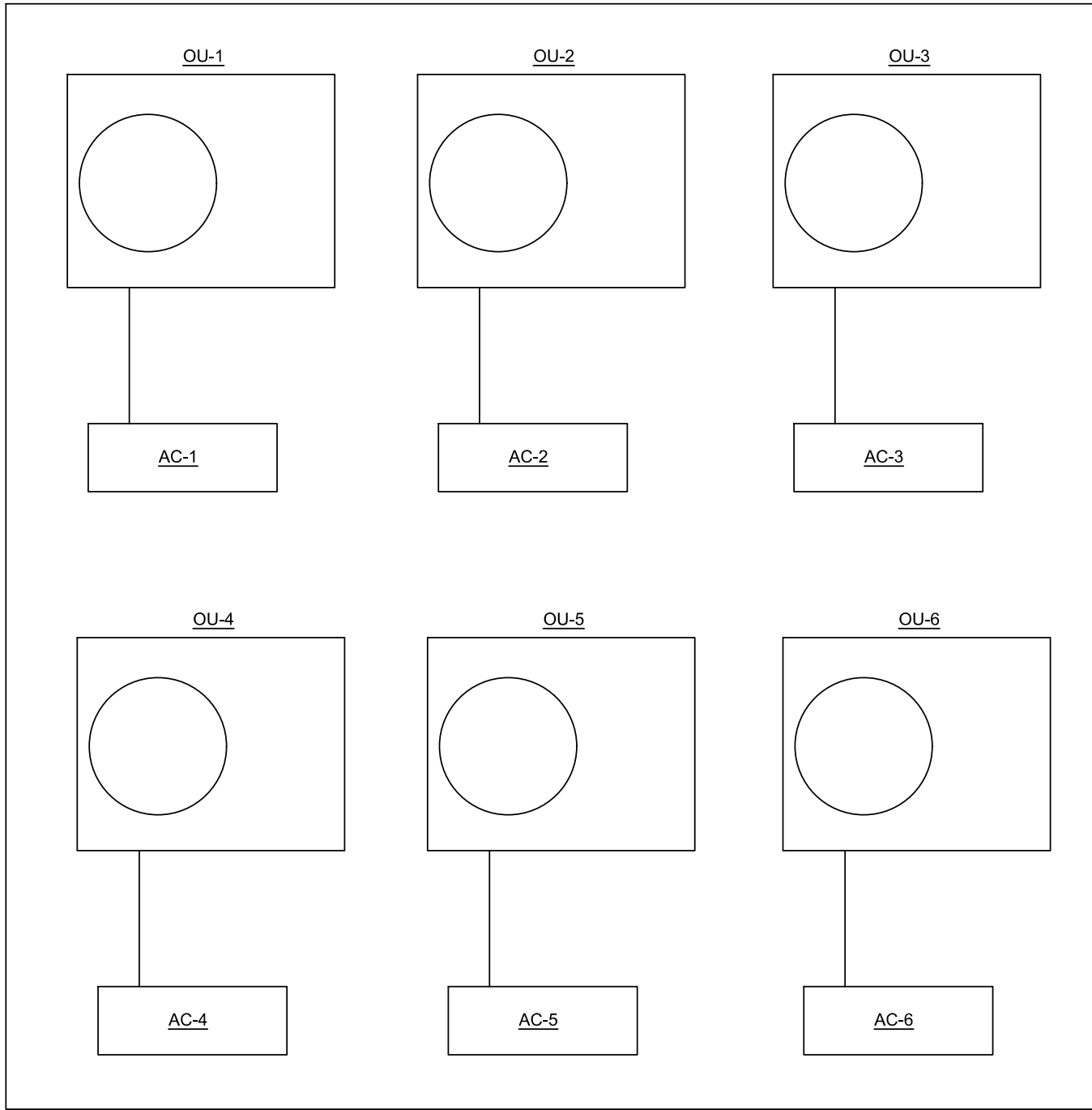


AIR BALANCE DIAGRAM

NTS
NOTES:
1. MAKEUP AIR WILL COME FROM DOOR CLEARANCE



INDOOR/OUTDOOR UNIT SCHEMATIC

NTS

MECHANICAL SYMBOL LIST AND ABBRIVATION.

NOT ALL SYMBOLS MAY APPLY.

SYMBOL: DESCRIPTION:

| | |
|-----|--------------------|
| AC | AIR CONDITIONER |
| OU | OUTDOOR UNIT |
| TEF | TOILET EXHAUST FAN |
| EA | EXHAUST AIR |
| D | CONDENSATE DRAIN |
| Ⓟ | THERMOSTAT/SENSOR |

MECHANICAL GENERAL NOTES:-

- ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES WHEN IN CLOSE PROXIMITY TO EACH OTHER.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND PROVIDE PROPER ACCESS AND CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE.
- SEAL ALL FLOOR, WALL AND ROOF PENETRATIONS AIRTIGHT WHERE DUCT PENETRATE.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. COORDINATE WITH LAYOUT OF EQUIPMENT PADS,DUCTWORK ETC.
- MANUFACTURER SHOWN IN SCHEDULE IS BASIS OF DESIGN.
- CONDENSATE DRAIN FROM ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAIL AS APPLICABLE TO THE HVAC SYSTEM.

| MINI SPLIT OR DUCTLESS SPLIT INDOOR UNIT SCHEDULE (COOLING/HEATING) | | | | | | | | | | | |
|---|----------|------------|-------------|------------------------|------------------------|------------------------|---------|--------|--------------|--------------------------|--|
| INDOOR TYPE | NOM CAP. | SUPPLY AIR | VENTILATION | TOTAL COOLING CAPACITY | SENS. COOLING CAPACITY | TOTAL HEATING CAPACITY | VOLTAGE | WEIGHT | REFRIG. TYPE | REFRIG. LINES GAS/LIQUID | |
| WALL | 24kBTH | 800 CFM | 25 CFM | 22400 BTH | 16800 BTH | 27600 BTH | 208-1 | 37 LBS | R410A | 5/8" / 3/8" | |
| WALL | 18kBTH | 600 CFM | 25 CFM | 18000 BTH | 15660 BTH | 21600 BTH | 208-1 | 28 LBS | R410A | 1/2" / 1/4" | |
| WALL | 24kBTH | 800 CFM | 25 CFM | 22400 BTH | 16800 BTH | 27600 BTH | 208-1 | 37 LBS | R410A | 5/8" / 3/8" | |
| WALL | 24kBTH | 800 CFM | 25 CFM | 22400 BTH | 16800 BTH | 27600 BTH | 208-1 | 37 LBS | R410A | 5/8" / 3/8" | |
| WALL | 24kBTH | 800 CFM | 25 CFM | 22400 BTH | 16800 BTH | 27600 BTH | 208-1 | 37 LBS | R410A | 5/8" / 3/8" | |
| WALL | 24kBTH | 800 CFM | 25 CFM | 22400 BTH | 16800 BTH | 27600 BTH | 208-1 | 37 LBS | R410A | 5/8" / 3/8" | |

NOTES:
1. PROVIDE DISCONNECT SWITCH.
2. PROVIDE DIGITAL THERMOSTAT CONTROL FOR EACH AHU.
3. PROVIDE WARRANTY, 1 YR ON PARTS AND DEFECTS AND 7 YRS ON COMPRESSOR.
4. PROVIDE CONDENSATE DRAIN PUMP, PROVIDE 1" CONDENSATE DRAIN.
5.INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

| TAG | SERVICE | MANUFACTURER | MODEL | EQUIP. TYPE | ZONES | NOM CAP | REFRIG. | TOTAL COOL'G | TOTAL HEAT'G | COOL'G EFF | HEAT'G EFF | VOLTAGE | MCA | MOCP | WEIGHT |
|------|---------|--------------|-------------|-------------|-------|---------|---------|--------------|--------------|------------|------------|---------|------|------|--------|
| OU-1 | AC-1 | MITSUBISHI | MXZ-3C24NA2 | HEAT PUMP | MULTI | 2 TON | R-410A | 28400 BTH | 28600 BTH | 20 SEER | 13.60 HSPF | 208-1 | 22.1 | 25 | 137 |
| OU-2 | AC-2 | MITSUBISHI | MXZ-3C24NA2 | HEAT PUMP | MULTI | 2 TON | R-410A | 28400 BTH | 28600 BTH | 20 SEER | 13.60 HSPF | 208-1 | 22.1 | 25 | 137 |
| OU-3 | AC-3 | MITSUBISHI | MXZ-3C24NA2 | HEAT PUMP | MULTI | 2 TON | R-410A | 28400 BTH | 28600 BTH | 20 SEER | 13.60 HSPF | 208-1 | 22.1 | 25 | 137 |
| OU-4 | AC-4 | MITSUBISHI | MXZ-3C24NA2 | HEAT PUMP | MULTI | 2 TON | R-410A | 28400 BTH | 28600 BTH | 20 SEER | 13.60 HSPF | 208-1 | 22.1 | 25 | 137 |
| OU-5 | AC-5 | MITSUBISHI | MXZ-3C24NA2 | HEAT PUMP | MULTI | 2 TON | R-410A | 28400 BTH | 28600 BTH | 20 SEER | 13.60 HSPF | 208-1 | 22.1 | 25 | 137 |
| OU-6 | AC-6 | MITSUBISHI | MXZ-3C24NA2 | HEAT PUMP | MULTI | 2 TON | R-410A | 28400 BTH | 28600 BTH | 20 SEER | 13.60 HSPF | 208-1 | 22.1 | 25 | 137 |

NOTES:
1. PROVIDE DISCONNECT SWITCH STARTER.
2. PROVIDE WARRANTY, 1 YR ON PARTS AND DEFECTS AND 7 YRS ON COMPRESSOR.

COLD PLASMA IONIZ.AIR PURIFICATION MADE BY GLOBAL PLASMA SOLUTIONS / NU-CALGON

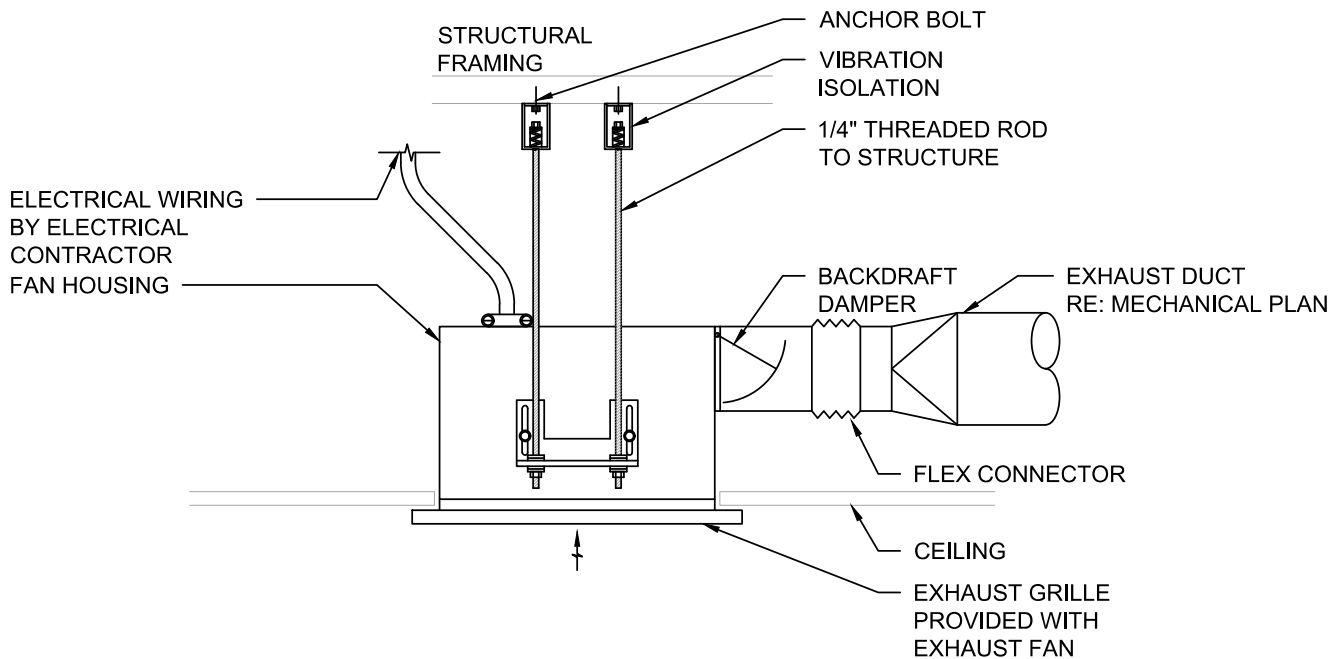
NU-CALGON MODE# 4900-35 iWave-M, 110 OR 240V VAC, 5 WATT, 0-1600 CFM AIR FLOW

NOTE: TO BE INTERLOCKED WITH INSIDE WALL UNIT FAN MOTOR (WHEN FAN RUNS, 4900-35 iWave-M IS ENERGIZED).
IONIZATION DEVICE CAN BE PURCHASED FROM ONLINE RETAILERS.
THE ABOVE IONIZ. DEVICE CAN BE INSTALLED ON INDOOR UNITS WITH WIDTH 18-36" &
EACH INDOOR UNIT REQUIRED TO HAVE IONIZATION DEVICE TO KEEP VENTIL.AIR REQ. 25 CFM PER ZONE.

FAN SCHEDULE

| SYMBOL | MANUFACTURER | MODEL | SERVICE LOCATION | CFM | S.P. IN. W.C. | ELECTRICAL | | | WEIGHT (LBS) | NOTES |
|--------|--------------|----------|------------------|-----|---------------|------------|------------|-----|--------------|-------|
| | | | | | | WATT | VOLT-PHASE | RPM | | |
| EF-1 | GREENHECK | SP-80-VG | BATHROOM 2 | 50 | 0.3 | 6 | 115-1 | 935 | 12 | 1 |
| EF-2 | GREENHECK | SP-80-VG | BATHROOM 3 | 50 | 0.3 | 6 | 115-1 | 935 | 12 | 1 |
| EF-3 | GREENHECK | SP-80-VG | POWDER ROOM | 50 | 0.3 | 6 | 115-1 | 935 | 12 | 1 |
| EF-4 | GREENHECK | SP-80-VG | BATH 1 ADA | 50 | 0.3 | 6 | 115-1 | 935 | 12 | 1 |
| EF-5 | GREENHECK | SP-80-VG | BATHROOM 5 | 50 | 0.3 | 6 | 115-1 | 935 | 12 | 1 |
| EF-6 | GREENHECK | SP-80-VG | BATHROOM 4 | 50 | 0.3 | 6 | 115-1 | 935 | 12 | 1 |

NOTES:
1. FAN SHALL RUN CONTINUOUSLY.



1 CEILING EXHAUST FAN DETAILS

NO SCALE

MECHANICAL SHEET INDEX

| SHEET NUMBER | SHEET NAME |
|--------------|---|
| M100 | MECHANICAL COVER SHEET,DETAILS & SCHEDULES. |
| M101 | FIRST FLOOR MECHANICAL PLAN |
| M102 | SECOND FLOOR MECHANICAL PLAN |

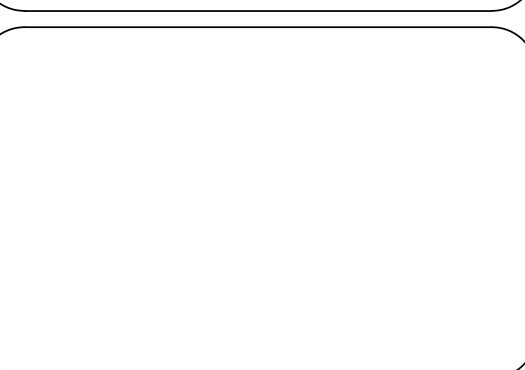
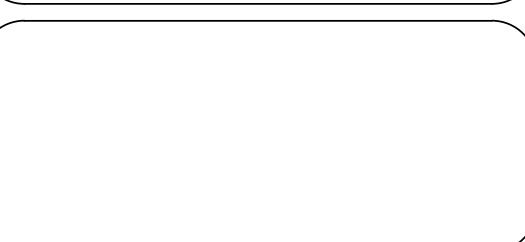
PROFESSIONAL ENGINEERING

DURAK EVRIM ERCAN P.E.
ENGINEERING | CONSULTING | ESTIMATING
201-920-2899 | info@AmperEngineering.com

SEAL & SIGNATURE

Durak Evrim Ercan

12/09/2021



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| 0 | 11/24/2021 | ISSUED FOR APPROVAL |
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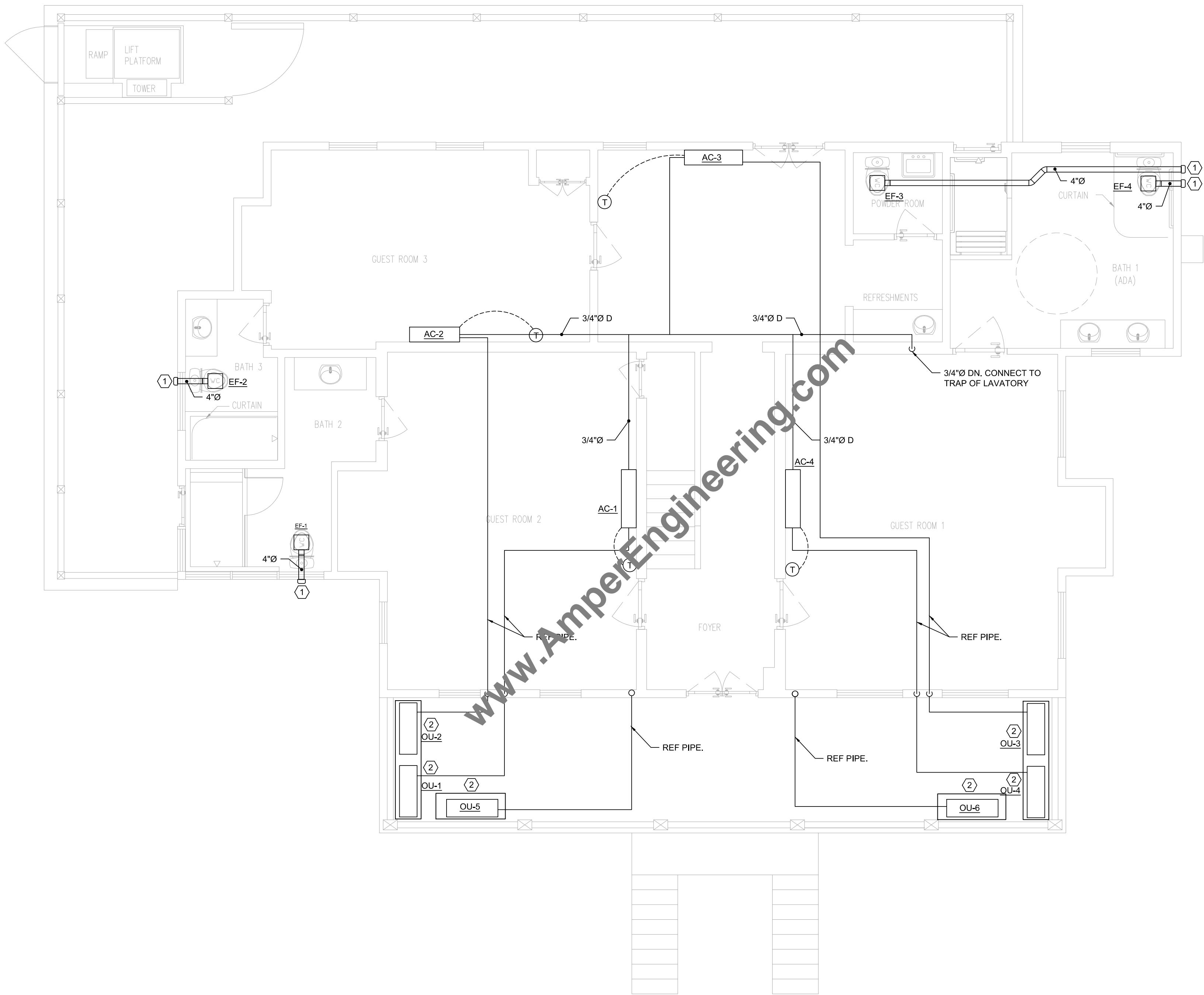
CLIENT:
NE ST,
LLC

PROJECT:
RENOVATIONS
FOI
STF
ADDRESS:
REET
BEAUFORT, SC
29902

PROJECT NUMBER:
AE# 1481
SHEET SIZE:
24X36
DESIGNED BY:
DEE
DRAWN BY:
DEE
CHECKED BY:
DEE

DRAWING TITLE:
MECHANICAL COVER
SHEET,GENERAL NOTES,
SYMBOL LEGEND &
SCHEDULES.

DRAWING NO:
M100



1 MECHANICAL FIRST FLOOR PLAN
M101 SCALE: 1/4" = 1'-0"

NOTES BY SYMBOL "Ⓢ"

1. TERMINATE TOILET EXHAUST AT EXTERIOR WITH WALL CAP.
2. ROUTE REFRIGERANT PIPES FROM AIR COOLED CONDENSER TO INDOOR UNIT. PIPE SIZE AND INSULATION REQUIREMENTS AS PER MANUFACTURE RECOMMENDATIONS.

PROFESSIONAL ENGINEERING

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SEAL & SIGNATURE

Durak Evrim Ercan

12/09/2021

No. 37033

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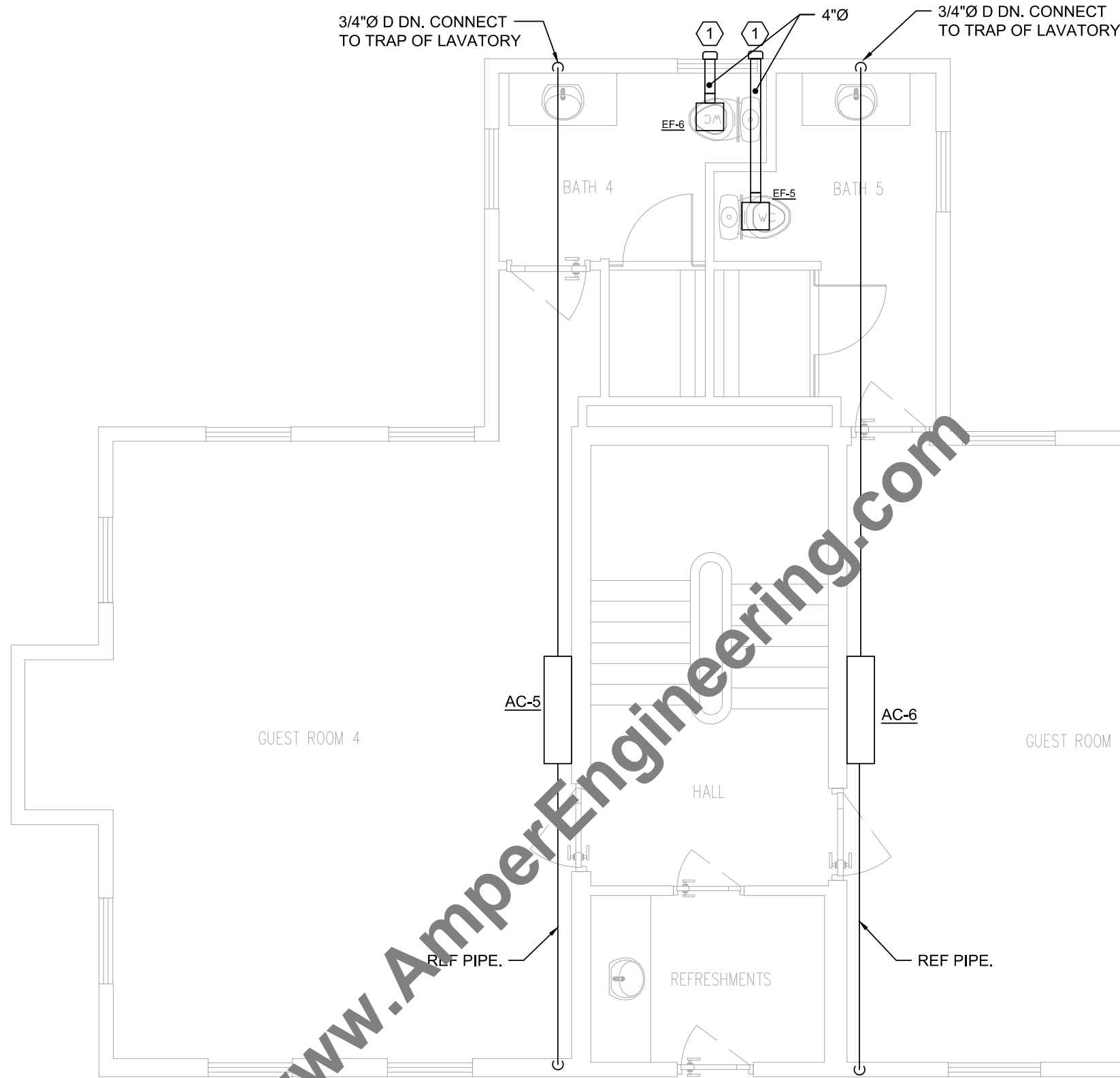
DURAK EVRİM ERCAN

12/09/2021

No

NOTES BY SYMBOL "⊕"

1. TERMINATE TOILET EXHAUST AT EXTERIOR WITH WALL CAP.
2. ROUTE REFRIGERANT PIPES FROM AIR COOLED CONDENSER TO INDOOR UNIT. PIPE SIZE AND INSULATION REQUIREMENTS AS PER MANUFACTURE RECOMMENDATIONS.



1 MECHANICAL SECOND FLOOR PLAN
M102 SCALE: 1/4" = 1'-0"

PROFESSIONAL ENGINEERING

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201-920-2899 info@AmperEngineering.com

SEAL & SIGNATURE

Durak Evrim Ercan



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| REV. | DATE | DESCRIPTION |
|------|------------|---------------------|
| 0 | 11/24/2021 | ISSUED FOR APPROVAL |

CLIENT:

NE ST,
LLC

PROJECT:

RENOVATIONS
FOI
STF

ADDRESS:

REET
BEAUFORT, SC
29902

PROJECT NUMBER:

AE# 1481

SHEET SIZE:

24X36

DESIGNED BY:

DEE

DRAWN BY:

DEE

CHECKED BY:

DEE

DRAWING TITLE:

SECOND FLOOR
MECHANICAL PLAN

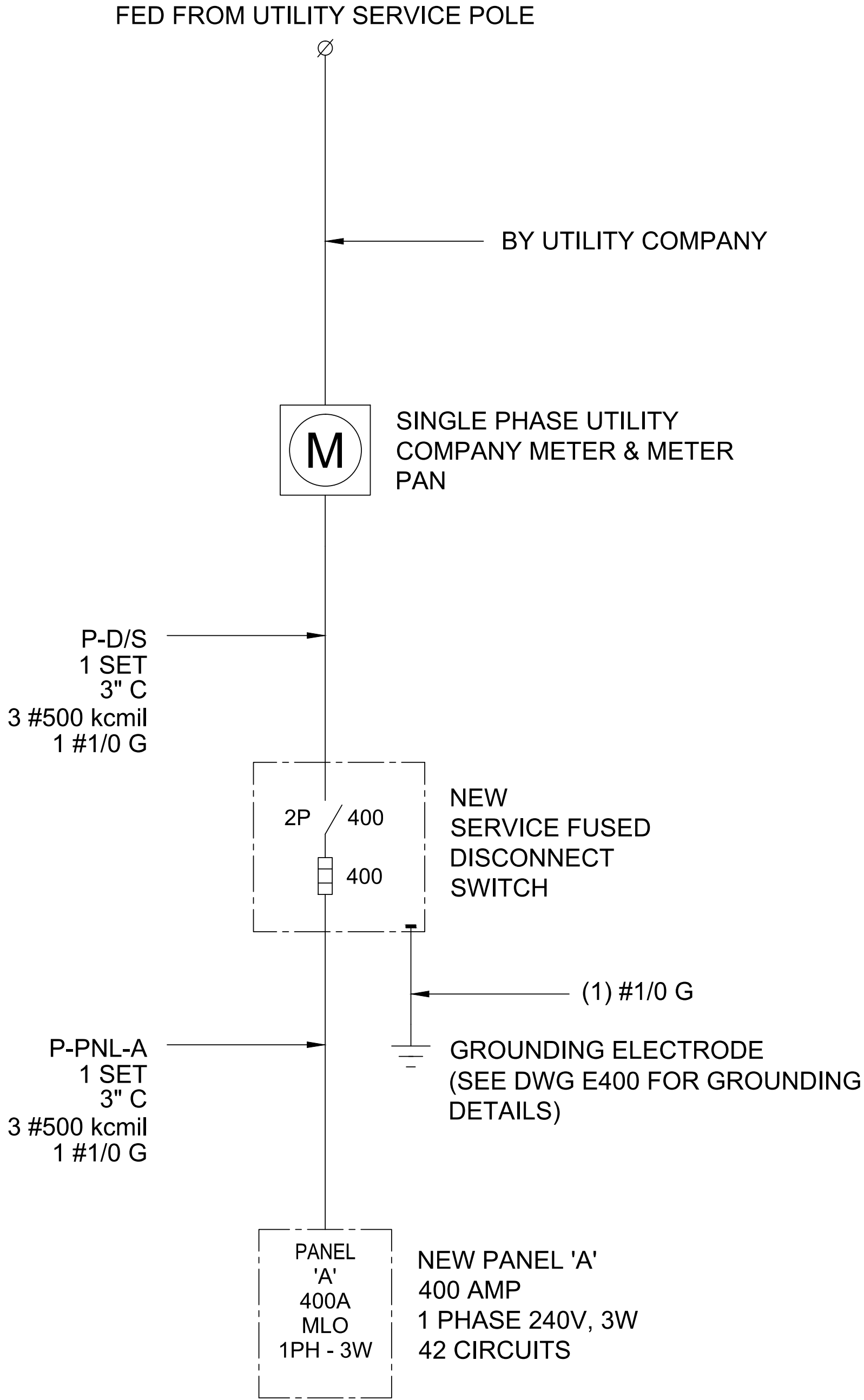
DRAWING NO:

M102

| PANEL A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|---------------------------------------|-------|------|-------|-------|------|---------------------------------------|------|---|------------------------|---------|------|--|-------|------|------|-------|------|--|--|---------------------|--|--|--|--|--|
| | | VOLTAGE: 120/ 240 1 PHASE, 3 WIRE | | | | | | AMPS: 400 MLO TOTAL LOAD: 46.3 KVA | | | | | | MOUNTING: SURFACE FEEDER SIZE #500 KCMIL CU | | | | | | | | | | | | | |
| No. | CIRCUIT DESCRIPTION | LOAD (KVA) | | | | | | BREAKER | | PHASE | | BREAKER | | LOAD (KVA) | | | | | | CIRCUIT DESCRIPTION | No. | | | | | | |
| | | CONT | RCPT | MTR | A/C | KITCH | MISC | TRIP | POLE | A | B | POLE | TRIP | MISC | KITCH | A/C | MTR | RCPT | CONT | | | | | | | | |
| 1 | LOBBY, GUEST RM, DINING, BATH | 0.43 | | | | | | 20 | 1 | 0.86 | | 1 | 20 | | | | | | 0.43 | GUEST RM 1,2, BATH 2,3 LTG & TEF-1 | 2 | | | | | | |
| 3 | EMERGENCY LIGHT | 0.03 | | | | | | 20 | 1 | | 0.04 | 1 | 20 | | | | | | 0.01 | EXIT LIGHTS | 4 | | | | | | |
| 5 | LOBBY LIGHTING | 0.72 | | | | | | 20 | 1 | 1.14 | | 1 | 20 | | | | | | 0.42 | GUEST RM 4,5, BATH 4,5 & REFRESH | 6 | | | | | | |
| 7 | GUEST RM 2 RECEPTACLES | | 1.26 | | | | | 20 | 1 | | 1.98 | 1 | 20 | | | | | 0.72 | | BATH 2 GFI RECEPTACLE | 8 | | | | | | |
| 9 | GUEST RM 3 RECEPTACLES | | 0.90 | | | | | 20 | 1 | 1.98 | | 1 | 20 | | | | | 1.08 | | DINING AREA RECEPTACLES | 10 | | | | | | |
| 11 | REFRESHMENT, POWDER RM, BATH | | 0.54 | | | | | 20 | 1 | | 2.16 | 1 | 20 | | | | | 1.62 | | GUEST RM 1 RECEPTACLES | 12 | | | | | | |
| 13 | REFRESHMENT 2ND FLR GFI RECEPT | | 0.18 | | | | | 20 | 1 | 0.72 | | 1 | 20 | | | | | 0.54 | | FOYER AREA RECEPTACLES | 14 | | | | | | |
| 15 | EXTERIOR MAINTENANCE RECEPT | | 0.72 | | | | | 20 | 1 | | 2.43 | 1 | 20 | | | | | 1.71 | | GUEST RM 4 RECEPTACLES | 16 | | | | | | |
| 17 | GUEST RM 5 RECEPTACLES | | 1.71 | | | | | 20 | 1 | 4.01 | | 2 | 25 | | | 2.30 | | | | OU-2 (FRONT PORCH) FOR AC-2 @ GUEST RM 2 | 18 | | | | | | |
| 19 | OU-1 (FRONT PORCH) FOR AC-1 @ GUEST RM 1 | | | | 2.30 | | | 25 | 2 | | 4.60 | X | X | | | 2.30 | | | | X | 20 | | | | | | |
| 21 | X | | | | 2.30 | | | X | X | 4.60 | | 2 | 25 | | | 2.30 | | | | OU-4 (FRONT PORCH) FOR AC-4 @ GUEST RM 4 | 22 | | | | | | |
| 23 | OU-3 (FRONT PORCH) FOR AC-3 @ GUEST RM 3 | | | | 2.30 | | | 25 | 2 | | 4.60 | X | X | | | 2.30 | | | | X | 24 | | | | | | |
| 25 | X | | | | 2.30 | | | X | X | 4.60 | | 2 | 25 | | | 2.30 | | | | OU-6 (FRONT PORCH) FOR AC-6 @ COMMON RM | 26 | | | | | | |
| 27 | OU-5 (FRONT PORCH) FOR AC-5 @ GUEST RM 5 | | | | 2.30 | | | 25 | 2 | | 4.60 | X | X | | | 2.30 | | | | X | 28 | | | | | | |
| 29 | X | | | | 2.30 | | | X | X | 4.80 | | 2 | 30 | | | | 2.50 | | | LIFT | 30 | | | | | | |
| 31 | SPARE | | | | | | | 20 | 1 | | 2.50 | X | X | | | | 2.50 | | | X | 32 | | | | | | |
| 33 | SPARE | | | | | | | 20 | 1 | 0.00 | | 1 | 20 | | | | | | | SPARE | 34 | | | | | | |
| 35 | SPARE | | | | | | | 20 | 1 | | 0.00 | 1 | 20 | | | | | | | SPARE | 36 | | | | | | |
| 37 | SPARE | | | | | | | 20 | 1 | 0.00 | | 1 | 20 | | | | | | | SPARE | 38 | | | | | | |
| 39 | SPACE | | | | | | | | | | 0.00 | 1 | 20 | | | | | | | SPARE | 40 | | | | | | |
| 41 | SPACE | | | | | | | | | | | | | | | | | | | SPACE | 42 | | | | | | |
| | | LOADS W/ NEC 220 DEMAND FACTORS (KVA) | | | | | | TOTAL | | 22.71 | 22.91 | | | | | 0.00 | 0.00 | 27.60 | 5.00 | 10.98 | 2.04 | CONNECTED KVA 45.62 | | | | | |
| | | CONT | RCPT | MTR | A/C | KITCH | MISC | TOTAL | | 23.84 | NEC 220 DEMAND FACTORS | | | | | | | | | | | PANEL NOTES | | | | | |
| A PHASE | | 2.50 | 4.41 | 3.13 | 13.80 | 0.00 | 0.00 | 23.84 | | CONTINUOUS: 125% LOAD | | | | | | | | | | | 1 BREAKER FRAME SHALL BE AS REQUIRED PER PANEL AIC RATING. 2 SHALL BE FULLY RATED - SERIES RATINGS NOT ALLOWED. 3 ALL BUSSING, INCL GND AND NEUTRAL, SHALL BE COPPER. 4 ALL INCOMING PANEL & BRK LUGS SHALL MATCH FEEDERS. 5 PROVIDE HINGED DOOR IN DOOR WITH OUTER DOOR LOCK. 6 PROVIDE METAL DIRECTORY FRAME. | | | | | | |
| B PHASE | | 0.05 | 6.57 | 3.13 | 13.80 | 0.00 | 0.00 | 23.55 | | RECEPTACLES: 100% 1st 10KW + 50% RMNG | | | | | | | | | | | | | | | | | |
| DEMAND PER LOAD TYPE (KVA) | | 2.55 | 10.49 | 5.63 | 27.60 | 0.00 | 0.00 | 46.27 | | MOTORS: 125% LARGEST MOTOR + 50% RMNG | | | | | | | | | | | | | | | | | |
| | | CONNECTED LOAD LARGEST PHASE (KVA) | | | | | | 23.84 | | A/C or HEAT 100% LOAD | | | | | | | | | | | | | | | | | |
| | | CONNECTED LOAD LARGEST PHASE (AMP) | | | | | | 99 | | KITCHEN: 65% LOAD | | | | | | | | | | | | | | | | | |
| | | TOTAL DEMAND LOAD FOR PANEL (KVA) | | | | | | 46.27 | | MISC: 100% LOAD | | | | | | | | | | | | | | | | | |
| v3 30/09/2021 | | TOTAL DEMAND LOAD FOR PANEL (AMP) | | | | | | 193 | | MIN FEEDER AMPACITY SELECTION (AMP) 193 | | | | | | | | | | | | | | | | | |

NOTES

- EXISTING ELECTRICAL EQUIPMENT TO BE UPGRADED TO 400A PANEL AND SERVICE.
- COORDINATE WITH ARCHITECTURAL DRAWINGS, FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS INCLUDING EXACT POINT OF ELECTRICAL CONNECTION.



SINGLE LINE DIAGRAM

PROFESSIONAL ENGINEERING:

DURAK EVRİM ERCAN P.E.

ENGINEERING | CONSULTING | ESTIMATING

201-920-2899 | info@AmperEngineering.com

SEAL & SIGNATURE:

Durak Evrim Ercan

12/09/2021

No. 37033

THIS DESIGN IS NOT TO BE USED FOR CONSTRUCTION UNLESS P.E. STAMPED, SIGNED, DATED AND ONE OF THE REVISION STATES "ISSUED FOR CONSTRUCTION", "IFC" OR "IFC UPDATED".

| | | |
|-----|------------|---------------------|
| 0 | 11/24/2021 | ISSUED FOR APPROVAL |
| REV | DATE | DESCRIPTION |

CLIENT:

NE ST, LLC

PROJECT:

RENOVATIONS
FOI
STR

ADDRESS:

REET
BEAUFORT, SC
29902

PROJECT NUMBER:

AE# 1481

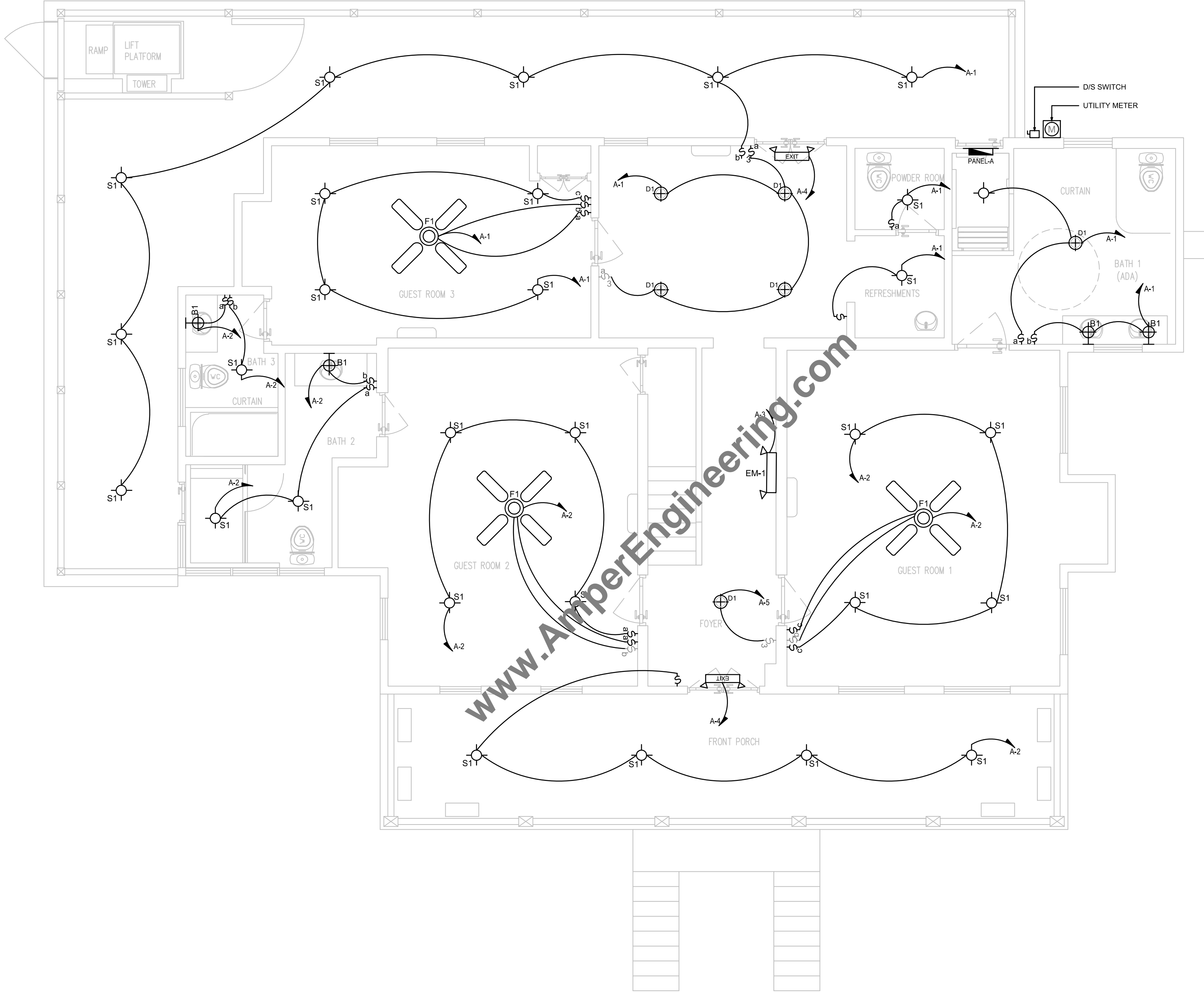
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|--------------|-------------|
| SHEET SIZE: | DRAWN BY: |
| 24X36 | DEE |
| DESIGNED BY: | CHECKED BY: |
| DEE | DEE |

DRAWING TITLE:

ELECTRICAL PANEL
SCHEDULE & SINGLE LINE
DIAGRAM

DRAWING NO:

E101



1 ELECTRICAL LIGHTING FIRST FLOOR PLAN
E200 SCALE: 1/4" = 1'-0"

GENERAL NOTE :
1. RE-USE EXISTING WIRING, CONTRACTOR TO VERIFY WIRE SIZE AND CIRCUIT CURRENT FOR FINAL TERMINATION.

SEAL & SIGNATURE:
Durak Evrim Ercan
12/09/2021
No. 37033

THIS DESIGN IS NOT TO BE USED FOR CONSTRUCTION UNLESS P.E. STAMPED, SIGNED, DATED AND ONE OF THE REVISION STATES "ISSUED FOR CONSTRUCTION", "IFC" OR "IFC UPDATED".

| REV. | DATE | DESCRIPTION |
|------|------------|---------------------|
| 0 | 11/24/2021 | ISSUED FOR APPROVAL |

CLIENT:
NE ST,
LLC

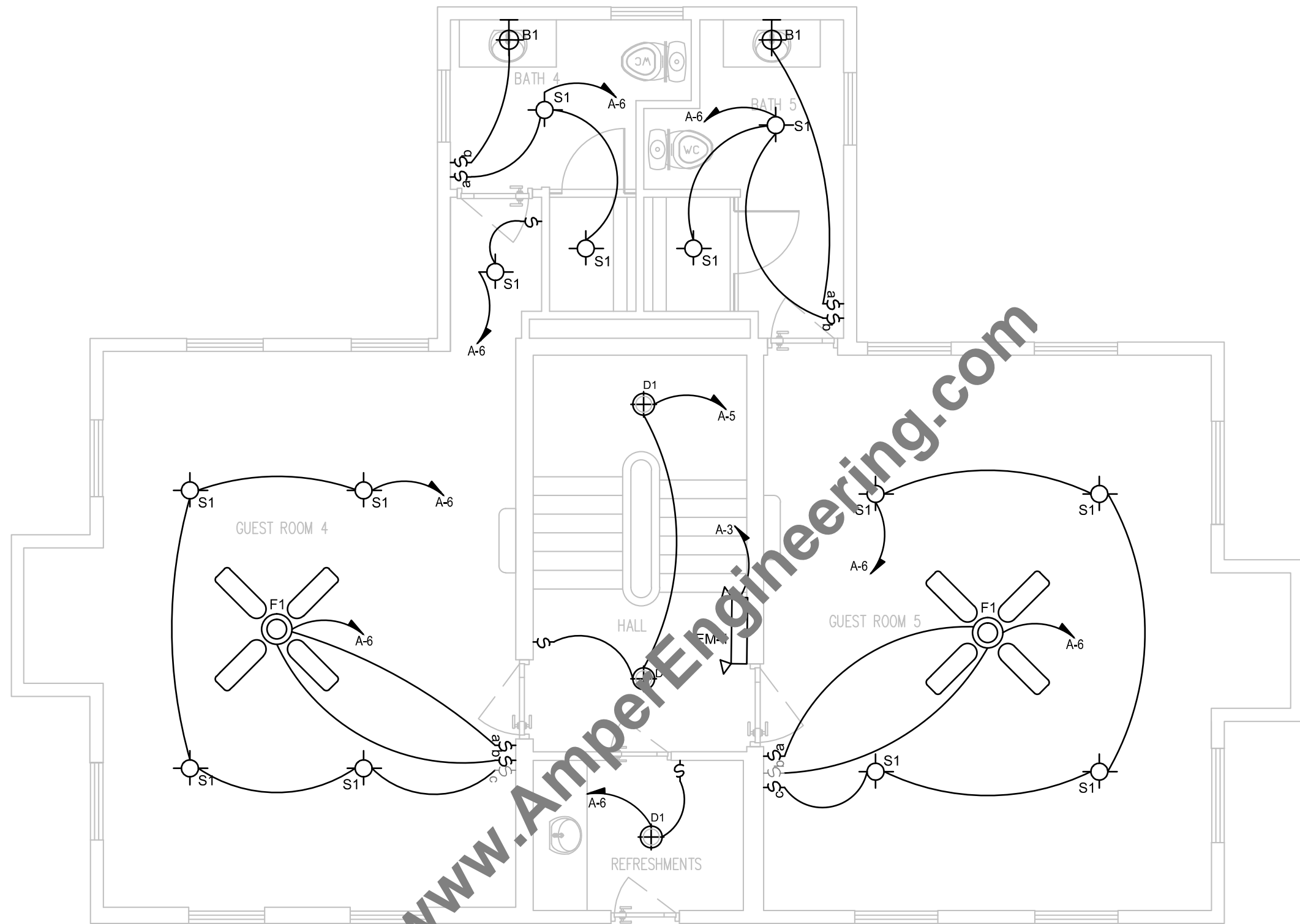
PROJECT:
RENOVATIONS
FOI
STF

ADDRESS:
REET
BEAUFORT, SC
29902

| | |
|-----------------------------|--------------------|
| PROJECT NUMBER: AE# 1481 | DRAWN BY: DEE |
| SHEET SIZE: 24X36 | CHECKED BY: DEE |
| DESIGNED BY: DEE | |

DRAWING TITLE:
ELECTRICAL LIGHTING
FIRST FLOOR PLAN

DRAWING NO:
E200



1 ELECTRICAL LIGHTING SECOND FLOOR PLAN
E201 SCALE: 1/4" = 1'-0"

GENERAL NOTE :

1. RE-USE EXISTING WIRING, CONTRACTOR TO VERIFY WIRE SIZE AND CIRCUIT CURRENT FOR FINAL TERMINATION.

SEAL & SIGNATURE:
Durak Evrim Ercan

Durak Evrim Ercan

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| 0 | 11/24/2021 | ISSUED FOR APPROVAL |
| REV. | DATE | DESCRIPTION |

CLIENT:
**NE ST,
LLC**

PROJECT:
**RENOVATIONS
FOI
STF**

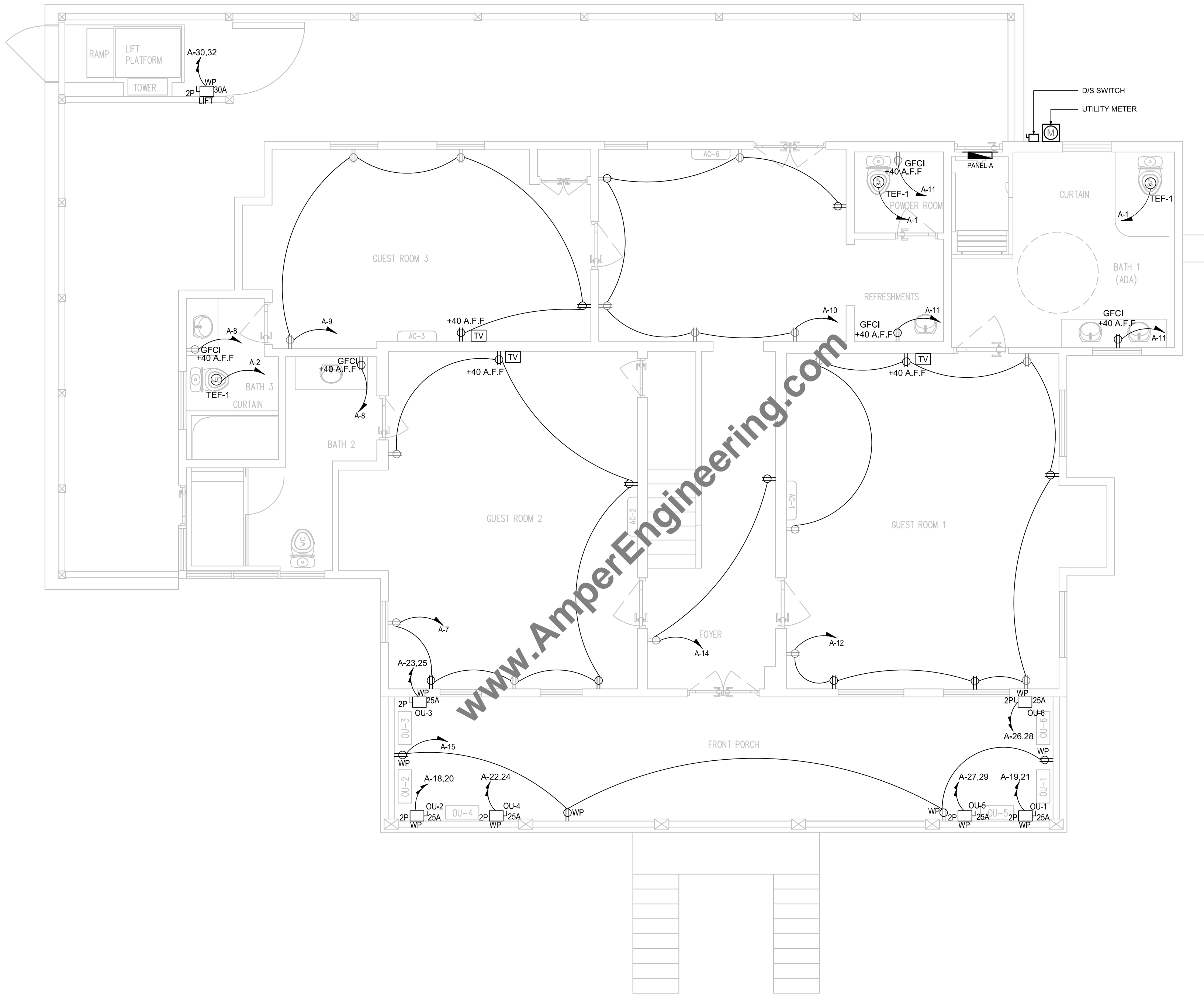
ADDRESS:
**REET
BEAUFORT, SC
29902**

PROJECT NUMBER:
AE# 1481

| | |
|----------------------|--------------------|
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
**ELECTRICAL LIGHTING
SECOND FLOOR PLAN**

DRAWING NO:
E201



1 ELECTRICAL POWER FIRST FLOOR PLAN
E202 SCALE: 1/4" = 1'-0"

GENERAL NOTE:
1. RE-USE EXISTING WIRING, CONTRACTOR TO VERIFY WIRE SIZE AND CIRCUIT CURRENT FOR FINAL TERMINATION.

SEAL & SIGNATURE:
Durak Evrim Ercan

12/09/2021

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| REV. | DATE | DESCRIPTION |
|------|------------|---------------------|
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CLIENT:
NE ST,
LLC

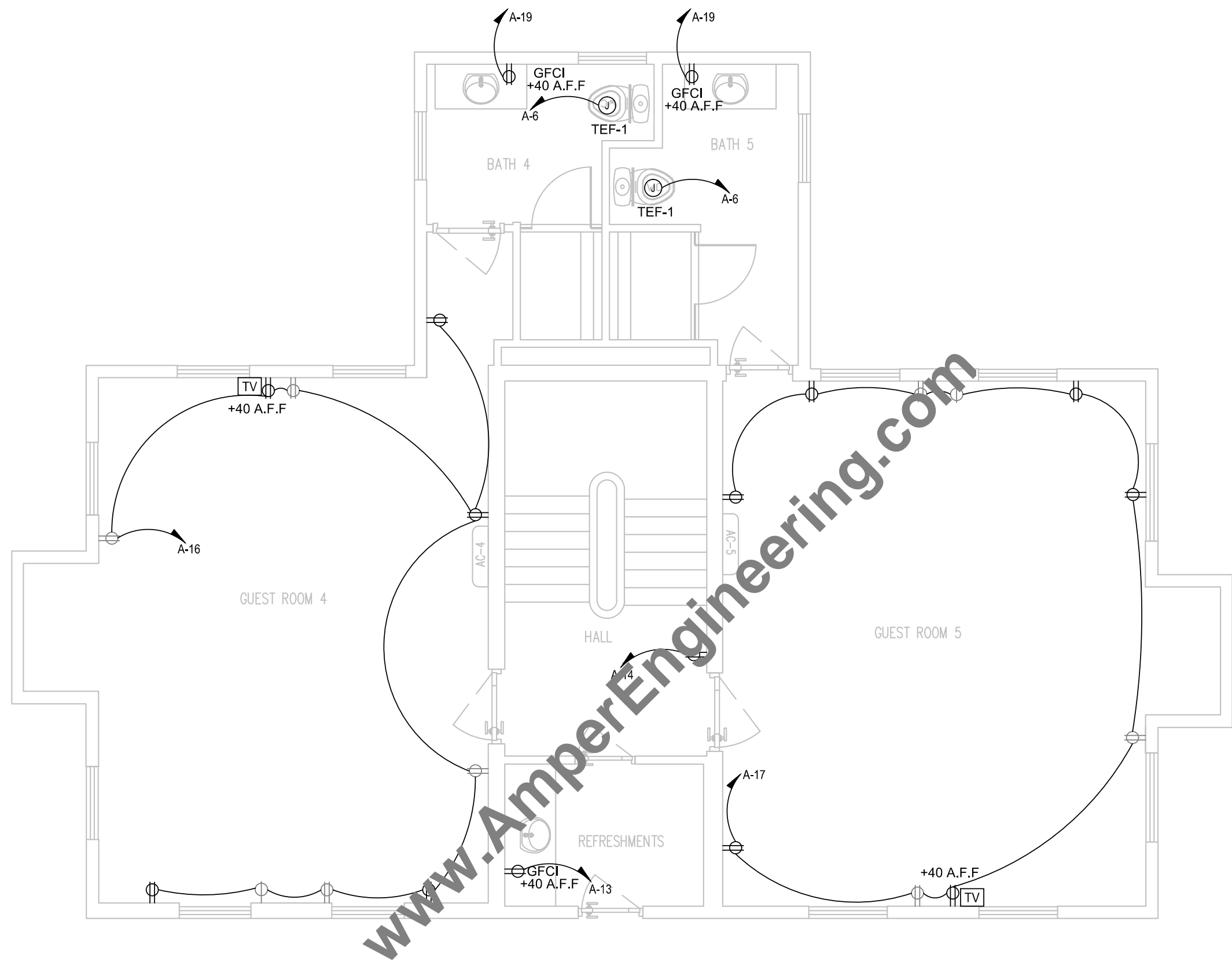
PROJECT:
RENOVATIONS
FOI
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ADDRESS:
REET
BEAUFORT, SC
29902

| | |
|-----------------------------|--------------------|
| PROJECT NUMBER: AE# 1481 | |
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
ELECTRICAL POWER
FIRST FLOOR PLAN

DRAWING NO:
E202



1 ELECTRICAL POWER SECOND FLOOR PLAN
E203 SCALE: 1/4" = 1'-0"

- GENERAL NOTE :
- RE-USE EXISTING WIRING, CONTRACTOR TO VERIFY WIRE SIZE AND CIRCUIT CURRENT FOR FINAL TERMINATION.

SEAL & SIGNATURE:

Durak Evrim Ercan

12/09/2021

THIS DESIGN IS NOT TO BE USED FOR CONSTRUCTION UNLESS P.E. STAMPED, SIGNED, DATED AND ONE OF THE REVISION STATES "ISSUED FOR CONSTRUCTION", "IFC" OR "IFC UPDATED".

| REV. | DATE | DESCRIPTION |
|------|------------|---------------------|
| 0 | 11/24/2021 | ISSUED FOR APPROVAL |

CLIENT:

NE ST,
LLC

PROJECT:

RENOVATIONS
FOI
STF

ADDRESS:

REET
BEAUFORT, SC
29902

| | |
|-----------------------------|--------------------|
| PROJECT NUMBER: AE# 1481 | |
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:

ELECTRICAL POWER
SECOND FLOOR PLAN

DRAWING NO:

E203



COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: RENOVATIONS FOR 701 GREENE STREET
Project Type: Alteration

Construction Site: 701 GREENE STREET
BEAUFORT, SC 29902
Owner/Agent: Designer/Contractor:

Allowed Interior Lighting Power

| A Area Category | B Floor Area (ft ²) | C Allowed Watts / ft ² | D Allowed Watts (B X C) |
|--|---------------------------------------|---|-------------------------------|
| 1-GUEST ROOM 1 (Common Space Types:Guest Room) | 347 | 0.47 | 163 |
| 2-GUEST ROOM 2 (Common Space Types:Guest Room) | 320 | 0.47 | 150 |
| 3-FOYER (Common Space Types:Guest Room) | 119 | 0.47 | 56 |
| 4-BATH 2 (Common Space Types:Restrooms) | 70 | 0.98 | 69 |
| 5-BATH 2 STORAGE (Common Space Types:Storage <50 sq.ft.) | 20 | 1.24 | 25 |
| 6-BATH 3 (Common Space Types:Restrooms) | 52 | 0.98 | 51 |
| 7-OUTER LOBBY (Common Space Types:Corridor/Transition <8 ft wide) | 604 | 0.66 | 399 |
| 8-GUEST ROOM 3 (Common Space Types:Guest Room) | 245 | 0.47 | 115 |
| 9-DINING AREA (Common Space Types:Dining Area - Family Restaurant) | 180 | 0.89 | 160 |
| 10-POWDER ROOM (Common Space Types:Restrooms) | 27 | 0.98 | 26 |
| 11-REFRESHMENTS (Common Space Types:Restrooms) | 30 | 0.98 | 29 |
| 12-BATH 1 (ADA) (Common Space Types:Restrooms) | 164 | 0.98 | 161 |
| 13-ENTRY LOBBY (Common Space Types:Corridor/Transition <8 ft wide) | 310 | 0.66 | 205 |
| 14-GUEST ROOM 4 (Common Space Types:Guest Room) | 350 | 0.47 | 164 |
| 15-GUEST ROOM 5 (Common Space Types:Guest Room) | 360 | 0.47 | 169 |
| 16-REFRESHMENTS 2ND FLOOR (Common Space Types:Restrooms) | 45 | 0.98 | 44 |
| 17-HALL (Common Space Types:Stairwell) | 117 | 0.69 | 81 |
| 18-BATH 4 (Common Space Types:Restrooms) | 64 | 0.98 | 63 |
| 19-BATH 5 (Common Space Types:Restrooms) | 77 | 0.98 | 75 |
| Total Allowed Watts = | | | 2206 |

Proposed Interior Lighting Power

| A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B Lamps/ Fixture | C # of Fixtures | D Fixture Watt. | E (C X D) |
|--|------------------------|-----------------------|-----------------------|--------------|
| GUEST ROOM 1 (Common Space Types:Guest Room 347 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 4: F1: FAN-LIGHT COMBO: Other: | 1 1 | 4 1 | 15 25 | 60 25 |
| GUEST ROOM 2 (Common Space Types:Guest Room 320 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 4: F1: FAN-LIGHT COMBO: Other: | 1 1 | 4 1 | 15 25 | 60 25 |
| FOYER (Common Space Types:Guest Room 119 sq.ft.) | | | | |

Project Title: RENOVATIONS FOR 701 GREENE STREET
Data filename: C:\Users\Shradha\Dropbox\PC\Desktop\1481-SC-701 GREENE ST\701 GREENE STREET.ckk
Report date: 11/20/21
Page: 1 of 6

| Section # & Req.ID | Rough-In Electrical Inspection | Complies? | Comments/Assumptions |
|--|---|--|----------------------|
| C405.2.1 [EL15] ¹ | Lighting controls installed to uniformly reduce the lighting load by at least 50%. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.1 [EL18] ¹ | Occupancy sensors installed in required spaces. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.1, C405.2.2, 3 [EL23] ² | Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.2, 1 [EL22] ² | Automatic controls to shut off all building lighting installed in all buildings. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.3 [EL16] ³ | Daylight zones provided with individual controls that control the lights independent of general area lighting. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.3, C405.2.3, 1, C405.2.3, 2 [EL20] ³ | Primary sidelighted areas are equipped with required lighting controls. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.3, C405.2.3, 1, C405.2.3, 3 [EL21] ³ | Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.4 [EL4] ³ | Separate lighting control devices for specific uses installed per approved lighting plans. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.2.4 [EL8] ³ | Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.3 [EL6] ³ | Exit signs do not exceed 5 watts per face. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: RENOVATIONS FOR 701 GREENE STREET
Data filename: C:\Users\Shradha\Dropbox\PC\Desktop\1481-SC-701 GREENE ST\701 GREENE STREET.ckk
Report date: 11/20/21
Page: 4 of 6

| A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B Lamps/ Fixture | C # of Fixtures | D Fixture Watt. | E (C X D) |
|---|------------------------|-----------------------|-----------------------|----------------|
| LED 2: D1: 9" COMMERCIAL DOWNLIGHT: Other: BATH 2 (Common Space Types:Restrooms 70 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 3: B1: BRACKET LAMP: Other: | 1 1 1 | 1 1 1 | 20 15 12 | 20 15 12 |
| BATH 2 STORAGE (Common Space Types:Storage <50 sq.ft. 20 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: | 1 | 1 | 15 | 15 |
| BATH 3 (Common Space Types:Restrooms 52 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 3: B1: BRACKET LAMP: Other: | 1 1 | 1 1 | 15 12 | 15 12 |
| OUTER LOBBY (Common Space Types:Corridor/Transition <8 ft wide 604 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: | 1 | 7 | 15 | 105 |
| GUEST ROOM 3 (Common Space Types:Guest Room 245 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 4: F1: FAN-LIGHT COMBO: Other: | 1 1 | 4 1 | 15 25 | 60 25 |
| DINING AREA (Common Space Types:Dining Area - Family Restaurant 180 sq.ft.) LED 2: D1: 9" COMMERCIAL DOWNLIGHT: Other: | 1 | 4 | 20 | 80 |
| POWDER ROOM (Common Space Types:Restrooms 27 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: | 1 | 1 | 15 | 15 |
| REFRESHMENTS (Common Space Types:Restrooms 30 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: | 1 | 1 | 15 | 15 |
| BATH 1 (ADA) (Common Space Types:Restrooms 164 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 4: F1: FAN-LIGHT COMBO: Other: | 1 1 | 1 1 | 15 25 | 15 25 |
| ENTRY LOBBY (Common Space Types:Corridor/Transition <8 ft wide 310 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: | 1 | 4 | 15 | 60 |
| GUEST ROOM 4 (Common Space Types:Guest Room 350 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 4: F1: FAN-LIGHT COMBO: Other: | 1 1 | 4 1 | 15 25 | 60 25 |
| GUEST ROOM 5 (Common Space Types:Guest Room 360 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 4: F1: FAN-LIGHT COMBO: Other: | 1 1 | 4 1 | 15 25 | 60 25 |
| REFRESHMENTS 2ND FLOOR (Common Space Types:Restrooms 45 sq.ft.) LED 2: D1: 9" COMMERCIAL DOWNLIGHT: Other: | 1 | 1 | 20 | 20 |
| HALL (Common Space Types:Stairwell 117 sq.ft.) LED 2: D1: 9" COMMERCIAL DOWNLIGHT: Other: | 1 | 2 | 20 | 40 |
| BATH 4 (Common Space Types:Restrooms 64 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 3: B1: BRACKET LAMP: Other: | 1 1 | 2 1 | 15 12 | 30 12 |
| BATH 5 (Common Space Types:Restrooms 77 sq.ft.) LED 1: S1: 6" DOWNLIGHT: Other: LED 3: B1: BRACKET LAMP: Other: | 1 1 | 2 1 | 15 12 | 30 12 |
| Total Proposed Watts = | | | | 992 |

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date
Project Title: RENOVATIONS FOR 701 GREENE STREET
Data filename: C:\Users\Shradha\Dropbox\PC\Desktop\1481-SC-701 GREENE ST\701 GREENE STREET.ckk
Report date: 11/20/21
Page: 2 of 6

| Section # & Req.ID | Final Inspection | Complies? | Comments/Assumptions |
|--|---|--|--|
| C303.3, C408.2.5, 2 [F17] ¹ | Furnished O&M instructions for systems and equipment to the building owner or designated representative. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C405.4.1 [F18] ¹ | Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | See the Interior Lighting fixture schedule for values. |
| C408.2.5, 1 [F16] ² | Furnished as-built drawings for electric power systems within 90 days of system acceptance. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |
| C408.3 [F133] ³ | Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: RENOVATIONS FOR 701 GREENE STREET
Data filename: C:\Users\Shradha\Dropbox\PC\Desktop\1481-SC-701 GREENE ST\701 GREENE STREET.ckk
Report date: 11/20/21
Page: 5 of 6



COMcheck Software Version 4.1.5.1

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

| Section # & Req.ID | Plan Review | Complies? | Comments/Assumptions |
|---------------------------|---|--|----------------------|
| C103.2 [PR4] ¹ | Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices. | <input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable | |

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
Project Title: RENOVATIONS FOR 701 GREENE STREET
Data filename: C:\Users\Shradha\Dropbox\PC\Desktop\1481-SC-701 GREENE ST\701 GREENE STREET.ckk
Report date: 11/20/21
Page: 3 of 6

PROFESSIONAL ENGINEERING:

DURAK EVRIM ERCAN P.E.
ENGINEERING | CONSULTING | ESTIMATING
201-920-2899 info@AmperEngineering.com

SEAL & SIGNATURE:

Durak Evrim Ercan

12/09/2021



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| REV. | DATE | DESCRIPTION |

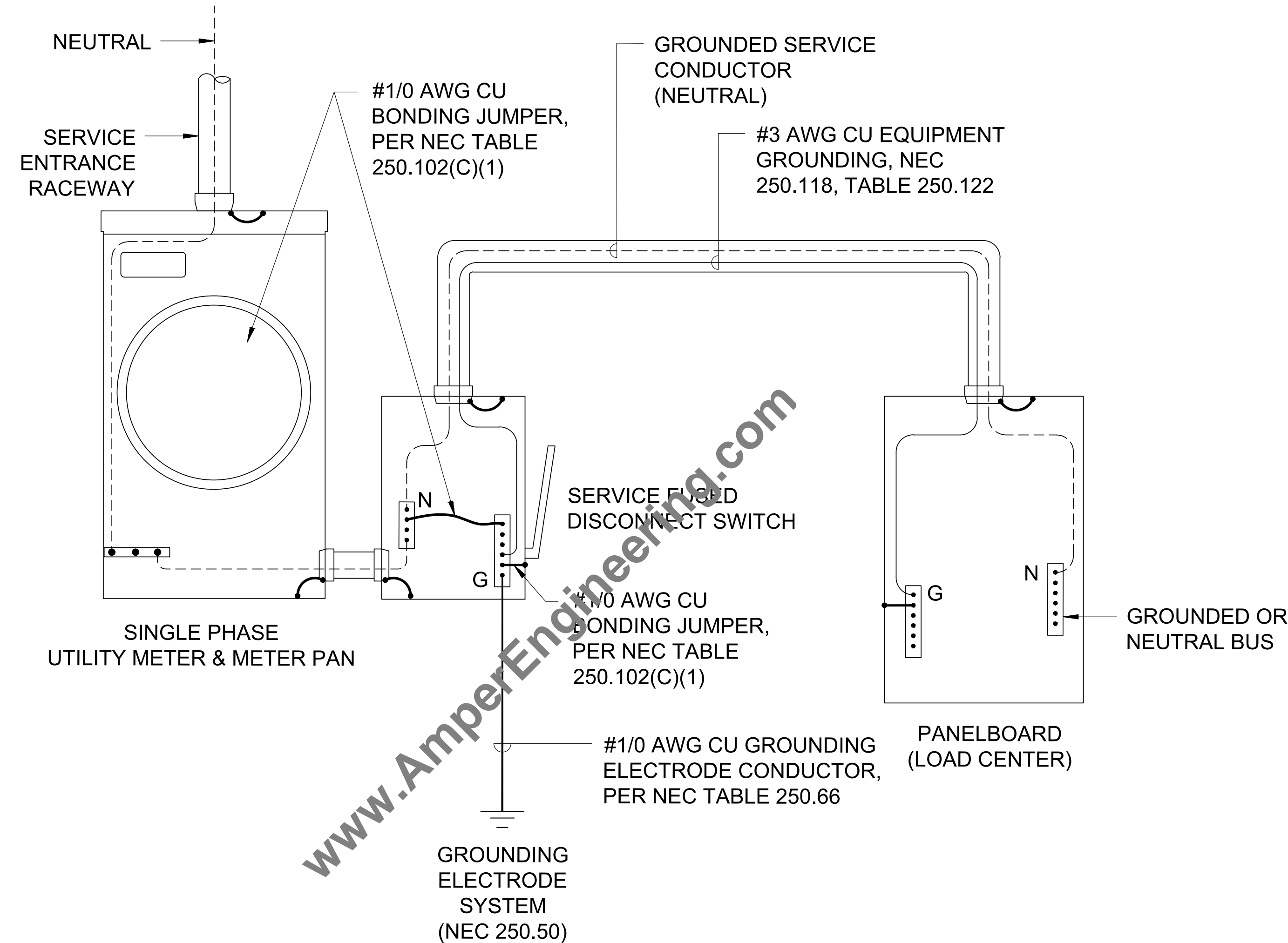
CLIENT:
NE ST,
LLC

PROJECT:
RENOVATIONS
FOR 701 GREENE STREET
ADDRESS:
701 GREENE STREET
BEAUFORT, SC
29902

PROJECT NUMBER:
AE# 1481
SHEET SIZE: 24X36
DESIGNED BY: DEE
DRAWN BY: DEE
CHECKED BY: DEE

DRAWING TITLE:
ELECTRICAL COMCHECK
REPORT

DRAWING NO:
E300



**GROUNDING AND BONDING DETAILS
FOR 400A SERVICE EQUIPMENT**

| | | |
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| 0 | 11/24/2021 | ISSUED FOR APPROVAL |
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CLIENT:
**NE ST,
LLC**

PROJECT:
**RENOVATIONS
FOI
STF**

ADDRESS:
**REET
BEAUFORT, SC
29902**

| | |
|------------------------------------|---------------------------|
| PROJECT NUMBER: AE# 1481 | |
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
**GROUNDING & BONDING
DETAILS**

DRAWING NO:
E400

PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

| SYMBOL: | DESCRIPTION: |
|---------|-----------------------------|
| | CW COLD WATER |
| | HW HOT WATER |
| | SAN SANITARY BELOW GROUND |
| | V VENT |
| | HWR HOT WATER RETURN |
| | G GAS |
| | PIPE CONTINUATION |
| | PIPE DOWN |
| | PIPE UP OR UP/DOWN |
| | PITCH PIPE IN DIRECTION |
| | DIRECTION OF FLOW IN PIPE |
| | DIELECTRIC CONNECTION |
| | UNION/FLANGE |
| | SHUTOFF VALVE NORMALLY OPEN |
| | SAN DOWN |
| CW | COLD WATER |
| FCO | FLOOR CLEAN OUT |
| HW | HOT WATER |
| LAV | LAVATORY |
| SAN | SANITARY |
| SH | SHOWER |
| V | VENT |
| VTR | VENT THRU ROOF |
| WH | WATER HEATER |
| WC | WATER CLOSET |
| HWR | HOT WATER RETURN |
| D | CONDENSATE DRAIN. |
| GM | GAS METER |

PLUMBING GENERAL NOTES:

- THE SYMBOLS ARE FOR THE CONVENIENCE OF THE CONTRACTOR, CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEM, WHETHER SPECIFIED OR NOT.
- REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATION FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES BEFORE INSTALLATION OR MAKE-UP OF PIPE. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL PLANS.
- CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
- REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURE.
- FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN, PROVIDE BALL VALVES FOR ALL WATER ISOLATION AND SUPPLY TAKEOFFS
- COORDINATE ALL PLUMBING ROUTING WITH GENERAL CONTRACTOR AND OTHER TRADES. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
- PIPING LOCATIONS HAVE BEEN SHOWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE SPECIFIC LOCATION OF PIPE. COORDINATE ROUTING OF ALL PIPING WITH ALL OTHER TRADES BEFORE INSTALLATION
- DO NOT SCALE DRAWINGS, VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
- VALVE SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS, DO NOT INSTALL PIPING OVER ELECTRICAL PANEL.
- COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES, MAINTAIN MINIMUM 10" CLEARANCE FROM ALL AIR INTAKES, MAINTAIN MINIMUM 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
- VERIFY LOCATION AND DEPTH OF UTILITIES AT A POINT OF CONNECTION BEFORE START OF PIPING INSTALLATION.

GAS WATER HEATER SCHEDULE

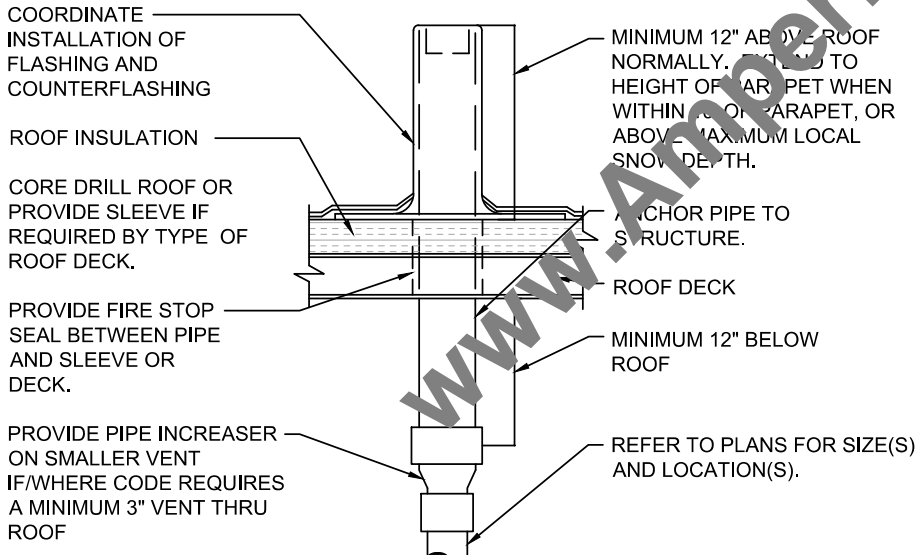
| TAG | MANUFACTURER | MODEL | INPUT BTUH | FLOW RATE 67 °F TEMP RISE | TYPE OF GAS | DIMENSIONS | NOTES |
|------|--------------|-----------|------------|------------------------------|-------------|---|--------|
| WH-1 | NAVIENT | NPE-240A2 | 199,000 | 5.6 GPM | NATURAL GAS | 17.3 in (W) x 27.4 in (H) x 13.2 in (D) | 1 TO 5 |
| WH-2 | NAVIENT | NPE-240A2 | 199,000 | 5.6 GPM | NATURAL GAS | 17.3 in (W) x 27.4 in (H) x 13.2 in (D) | 1 TO 5 |

NOTES:
1. GAS SUPPLY PRESSURE RANGE IS 3.5" MIN - 10.5" MAX.
2. PROVIDE CONCENTRIC VENT ASSEMBLY FOR INTAKE AND EXHAUST.
3. SET WATER HEATER DISCHARGE TEMPERATURE AT 120 F
4. PROVIDE 120V CIRCUIT FOR BLOWER AND CONTROLS, HARD-WIRE
5. PROVIDE CONDENSATE DRAIN NEUTRALIZATION KIT.

PLUMBING ROUGH-IN SCHEDULE

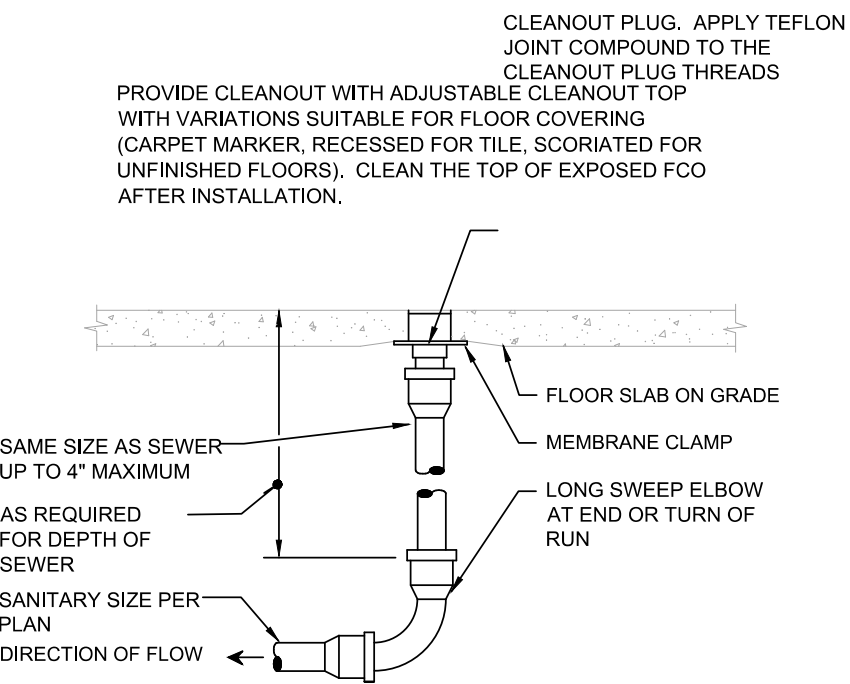
| FIXTURE TYPE | DOMESTIC C.W. | DOMESTIC H.W. | SANITARY | VENT | REMARK |
|--------------|------------------|------------------|----------|--------|------------------|
| WC | 3/4" | - | 4" | 2" | TANK TYPE-PUBLIC |
| LAV | 1/2" | 1/2" | 1 1/2" | 1 1/4" | NOTE 1 & 2 |
| SH | 1/2" | 1/2" | 2" | 1 1/2" | NOTE 1 & 2 |

NOTES:
1. SANITARY RISER UP IN WALL TO FIXTURE SHALL BE A MINIMUM OF 2".
2. 1/2" CW AND HW APPLIES TO THE FINAL VERTICAL RISER-DROP TO EACH FIXTURE, BRANCH PIPING TO VERTICAL DROP SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.
3. SIZES SHOWN ARE MINIMUMS, SIZES SHOWN ON THE DRAWING THAT AREA LARGER THAN THE SIZE IS LISTED IN THE SCHEDULE SHALL DICTATE THE ROUGH-IN SIZE.



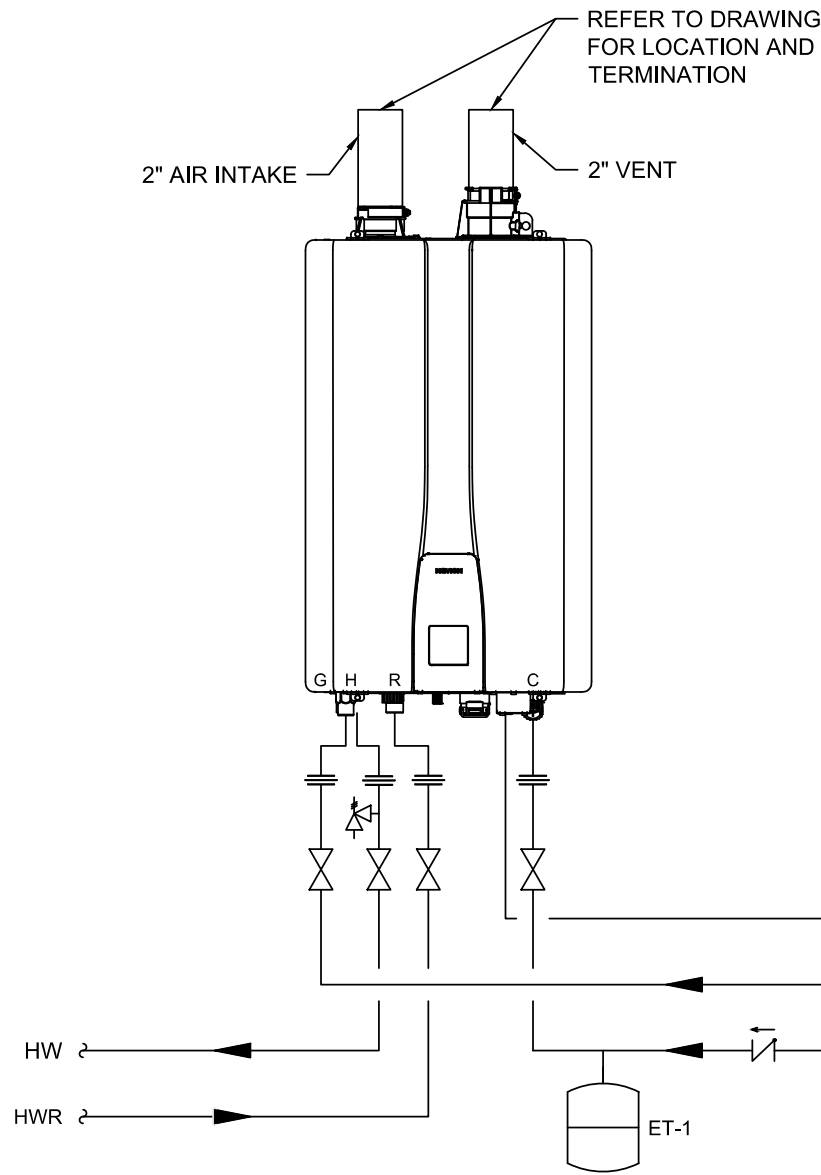
1 VENT THRU ROOF (VTR) DETAIL

NO SCALE



2 FLOOR CLEANOUT

NO SCALE



3 TANKLESS GAS WATER HEATER DETAIL

NO SCALE

PLUMBING SHEET INDEX

| SHEET NUMBER | SHEET NAME |
|--------------|--|
| P100 | PLUMBING COVER SHEET, GENERAL NOTES, SYMBOL LEGEND & SCHEDULES |
| P101 | GROUND FLOOR - SAN & VENT PLAN |
| P102 | FIRST FLOOR - SAN & VENT PLAN |
| P103 | GROUND FLOOR - DOMESTIC WATER PLAN |
| P104 | FIRST FLOOR - DOMESTIC WATER PLAN |
| P400 | PLUMBING RISERS. |

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SEAL & SIGNATURE:

Durak Evrim Ercan

12/09/2021

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CLIENT:
NE ST, LLC

PROJECT:
**RENOVATIONS
FOI
STF**

ADDRESS:
**REET
BEAUFORT, SC
29902**

PROJECT NUMBER:

AE# 1481

SHEET SIZE:

24X36

DESIGNED BY:

DEE

DRAWN BY:

DEE

CHECKED BY:

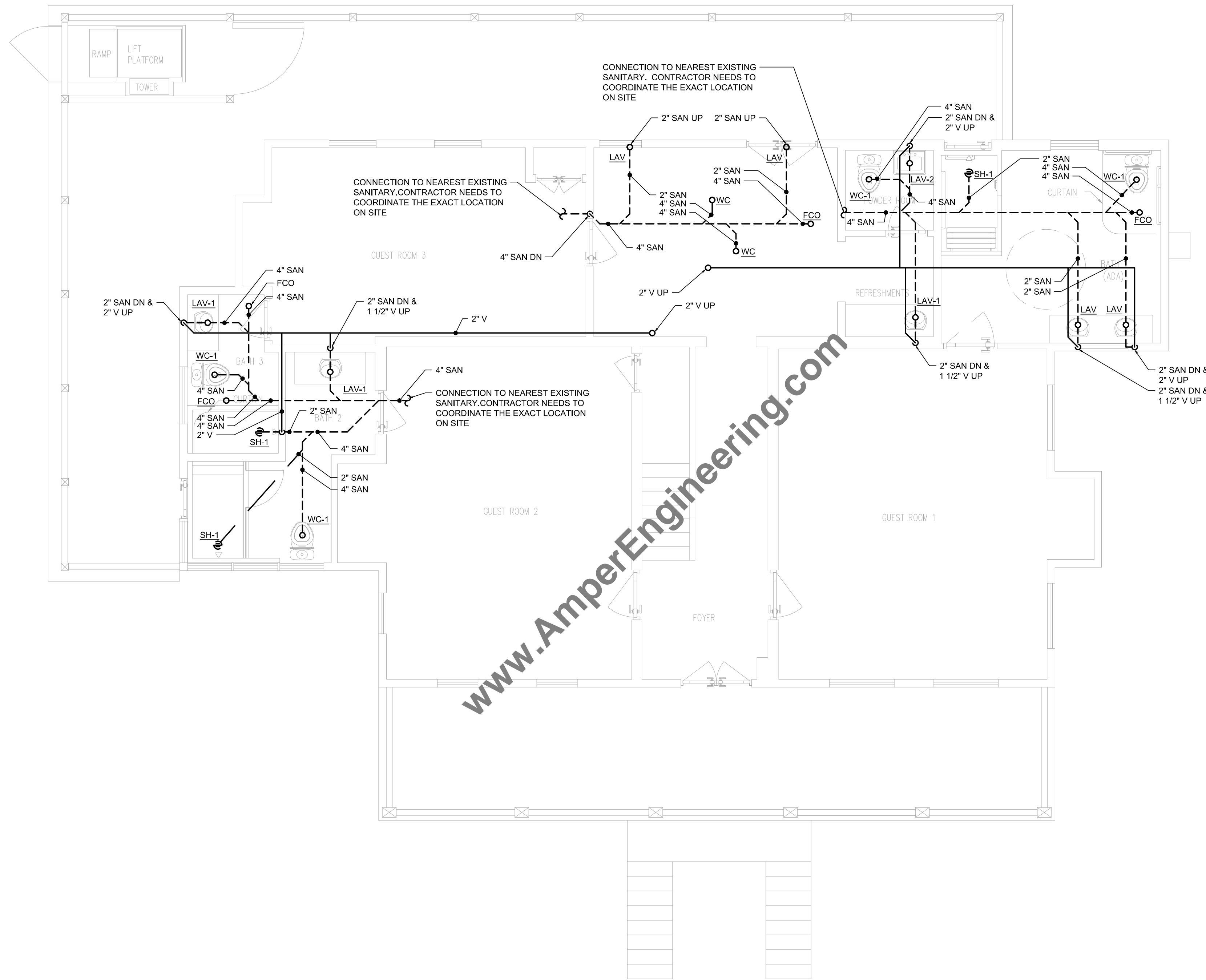
DEE

DRAWING TITLE:

**PLUMBING COVER SHEET,
GENERAL NOTES, SYMBOL
LEGEND & SCHEDULES.**

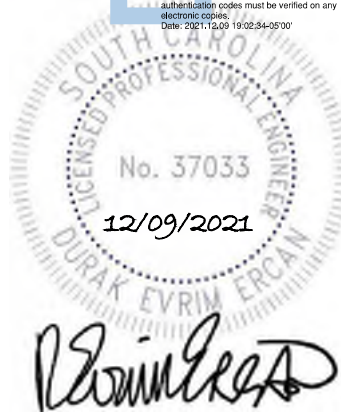
DRAWING NO:

P100



1 GROUND FLOOR - SAN & VENT PLAN
P101 SCALE: 1/4" = 1'-0"

SEAL & SIGNATURE:
Durak Evrim Ercan



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| REV. | DATE | DESCRIPTION |
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CLIENT:
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PROJECT:
RENOVATIONS
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STF

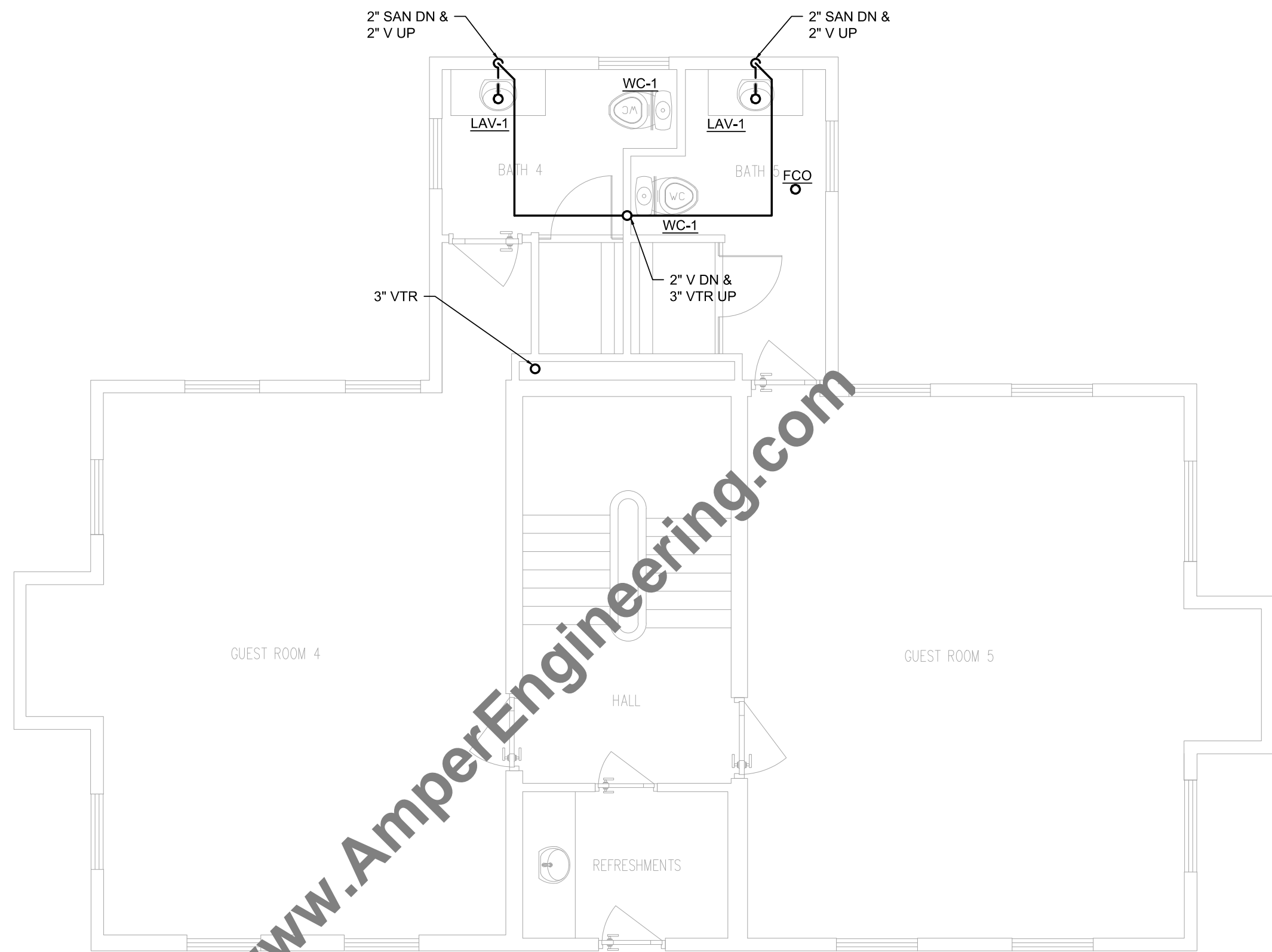
ADDRESS:
REET
BEAUFORT, SC
29902

| | |
|-----------------------------|--------------------|
| PROJECT NUMBER: AE# 1481 | |
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
GROUND FLOOR - SAN
& VENT PLAN

DRAWING NO:

P101



1 FIRST FLOOR - SAN & VENT PLAN
P102 SCALE: 1/4" = 1'-0"

SEAL & SIGNATURE:
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| REV. | DATE | DESCRIPTION |

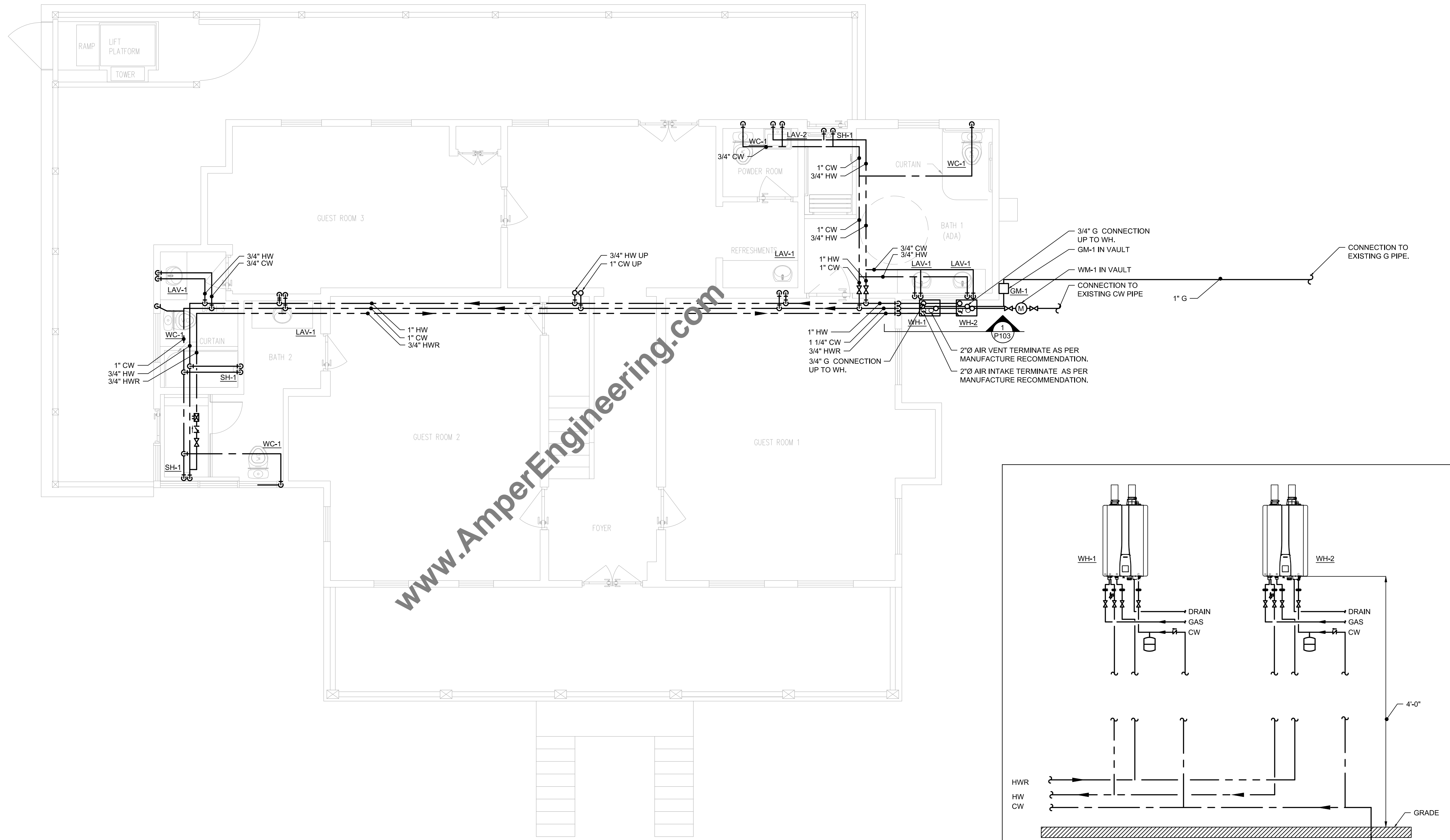
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PROJECT:
**RENOVATIONS
FOI
STF**
ADDRESS:
REET
BEAUFORT, SC
29902

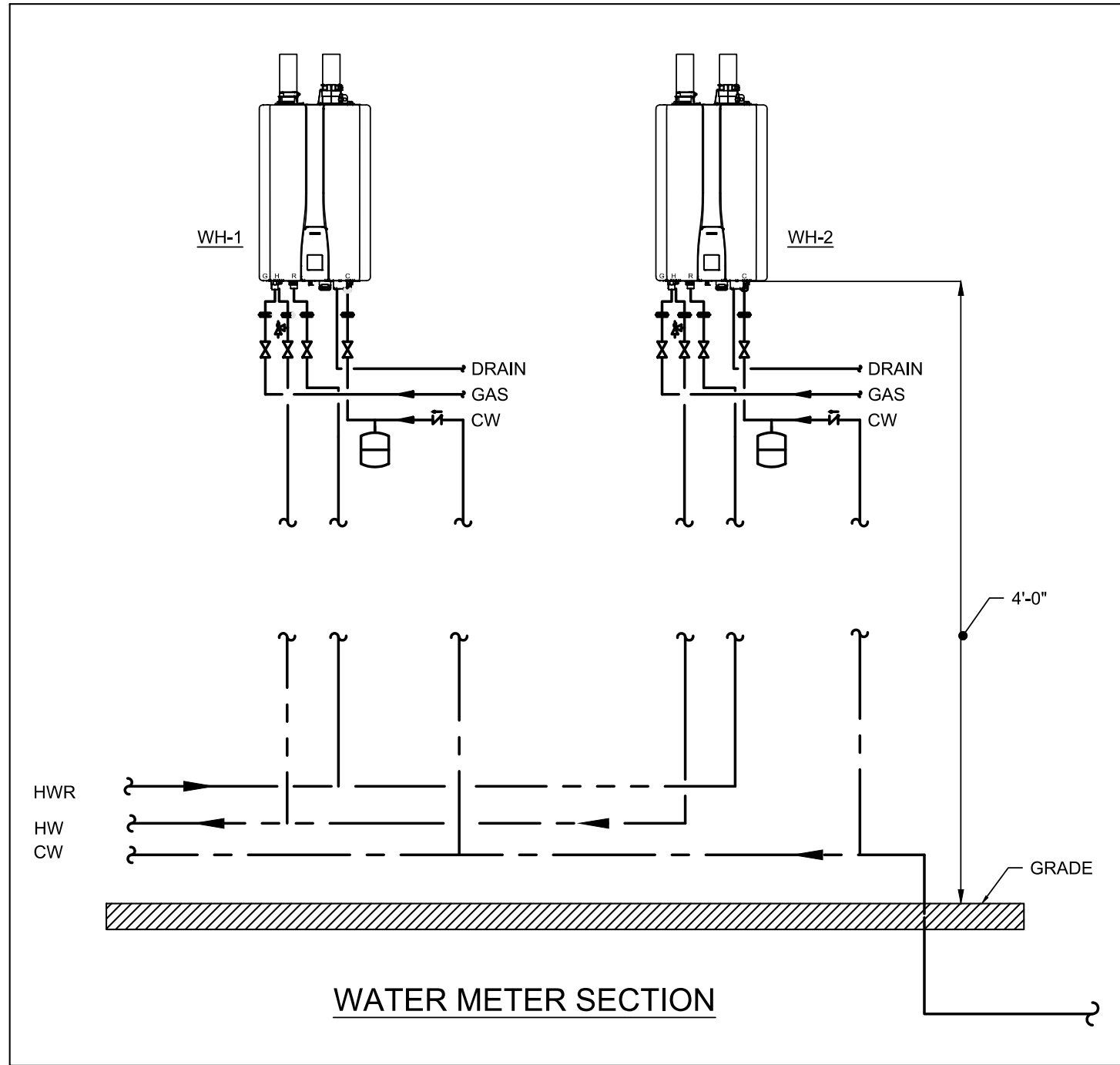
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| PROJECT NUMBER: AE# 1481 | |
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
**FIRST FLOOR - SAN &
VENT PLAN**

DRAWING NO:
P102



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



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SEAL & SIGNATURE:
Durak Evrim Ercan
[Signature]

Professional Engineer Seal
No. 37033
12/09/2021
[Signature]

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PROJECT:
**RENOVATIONS
FOI
STF**

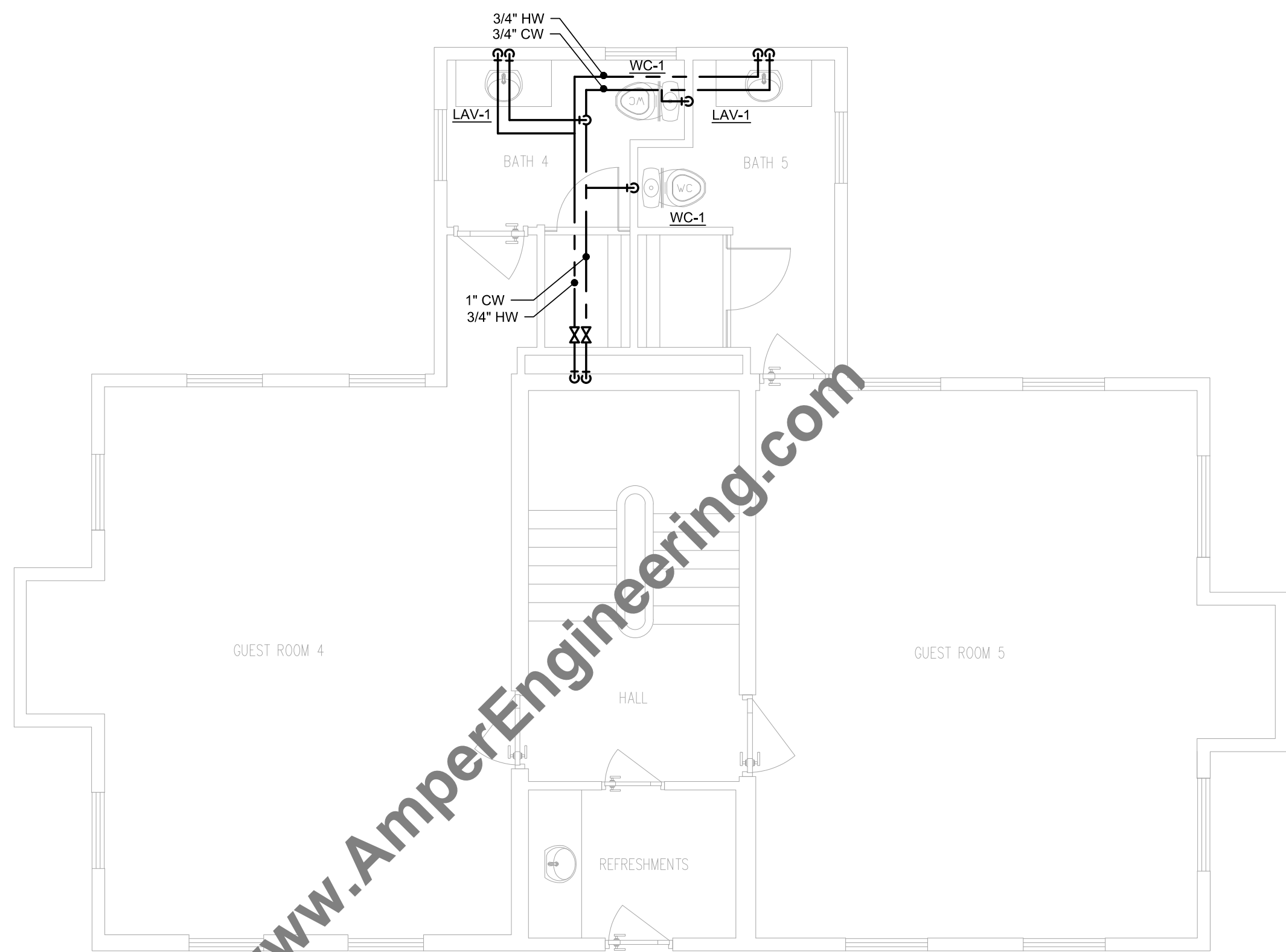
ADDRESS:
**REET
BEAUFORT, SC
29902**

PROJECT NUMBER:
AE# 1481

| | |
|----------------------|--------------------|
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
**GROUND FLOOR -
DOMESTIC WATER
PLAN**

DRAWING NO:
P103



1 GROUND FLOOR - DOMESTIC WATER PLAN
P104 SCALE: 1/4" = 1'-0"

SEAL & SIGNATURE:
Durak Evrim Ercan

I hereby certify that I am a duly Licensed Professional Engineer in the State of North Carolina, License No. 37033, and that I am the author of the design shown on this drawing. I am not providing any design or engineering services to the client without the proper contract and without the proper seal and signature. I am not providing any design or engineering services to the client without the proper seal and signature.

12/09/2021

Durak Evrim Ercan

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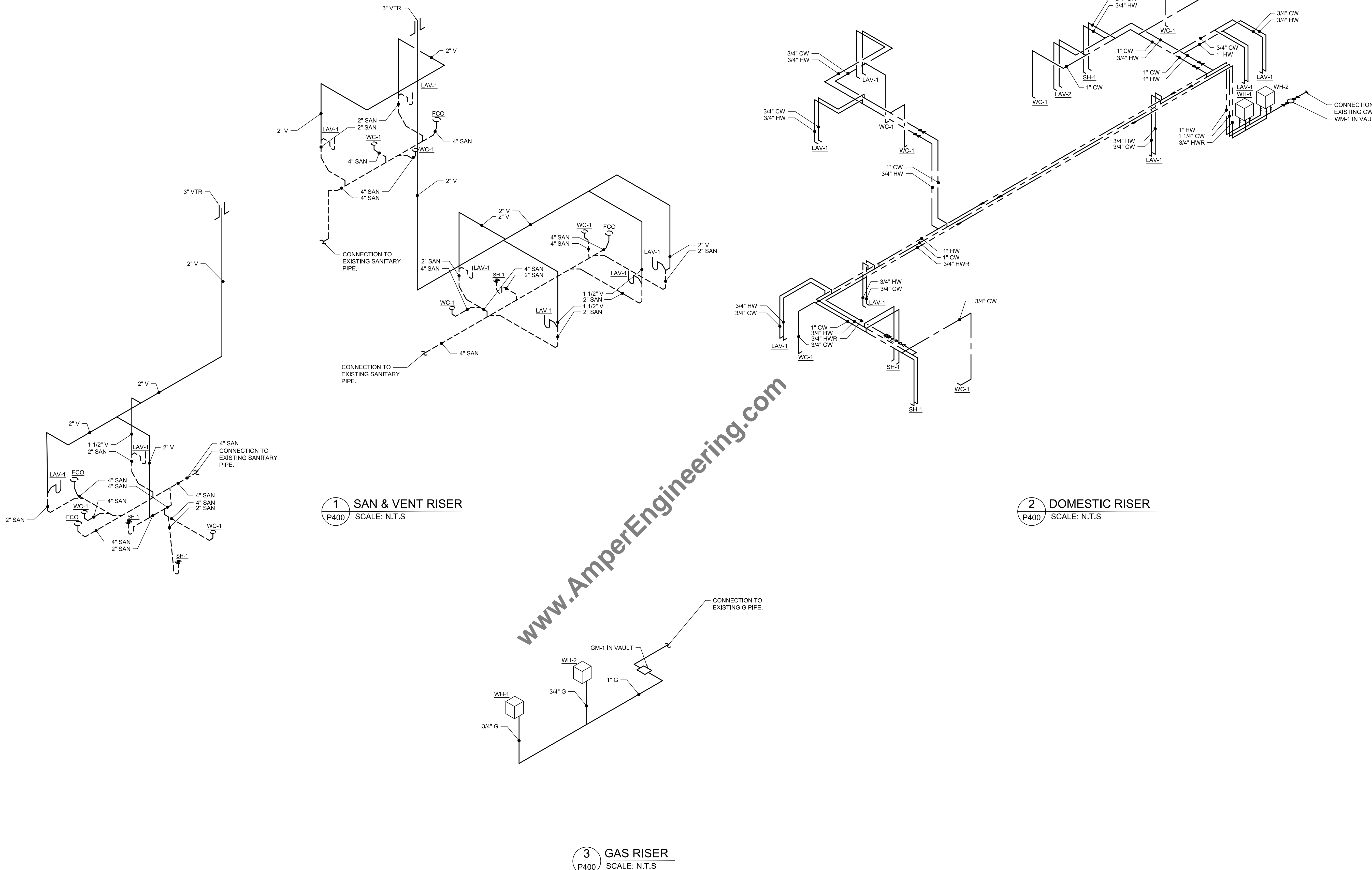
PROJECT:
RENOVATIONS
FOI
STF

ADDRESS:
REET
BEAUFORT, SC
29902


| | |
|-----------------------------|--------------------|
| PROJECT NUMBER: AE# 1481 | |
| SHEET SIZE: 24X36 | DRAWN BY: DEE |
| DESIGNED BY: DEE | CHECKED BY: DEE |

DRAWING TITLE:
FIRST FLOOR -
DOMESTIC WATER
PLAN

DRAWING NO:
P104




PROFESSIONAL ENGINEERING

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SEAL & SIGNATURE

Durak Evrim Ercan


Durak Evrim Ercan

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LLC

PROJECT:

RENOVATIONS
FOI
STF

ADDRESS:

REET
BEAUFORT, SC
29902

PROJECT NUMBER:

AE# 1481

SHEET SIZE:

24X36

DRAWN BY:

DEE

DESIGNED BY:

DEE

CHECKED BY:

DEE

DRAWING TITLE:

PLUMBING RISERS

DRAWING NO:

P400