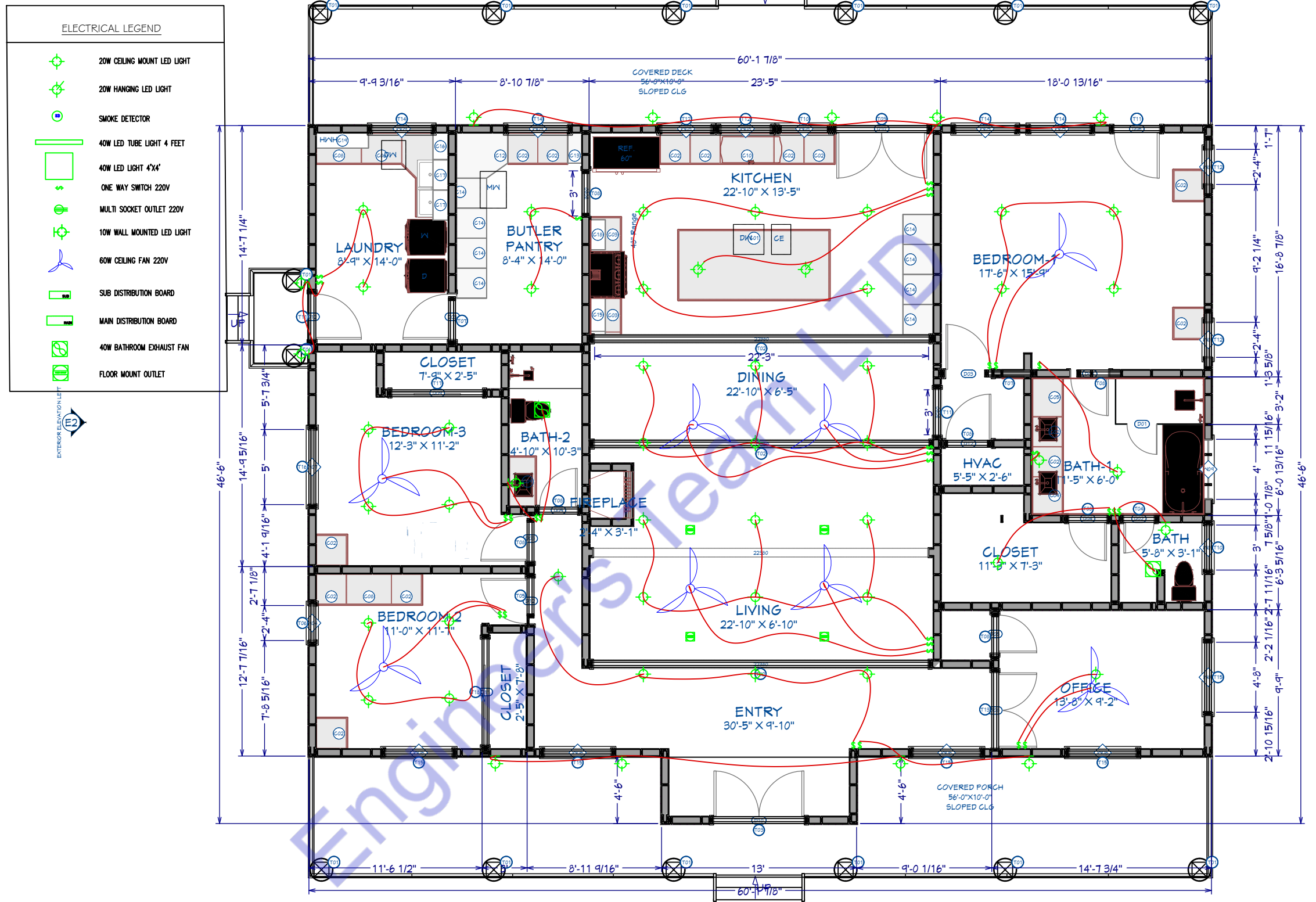
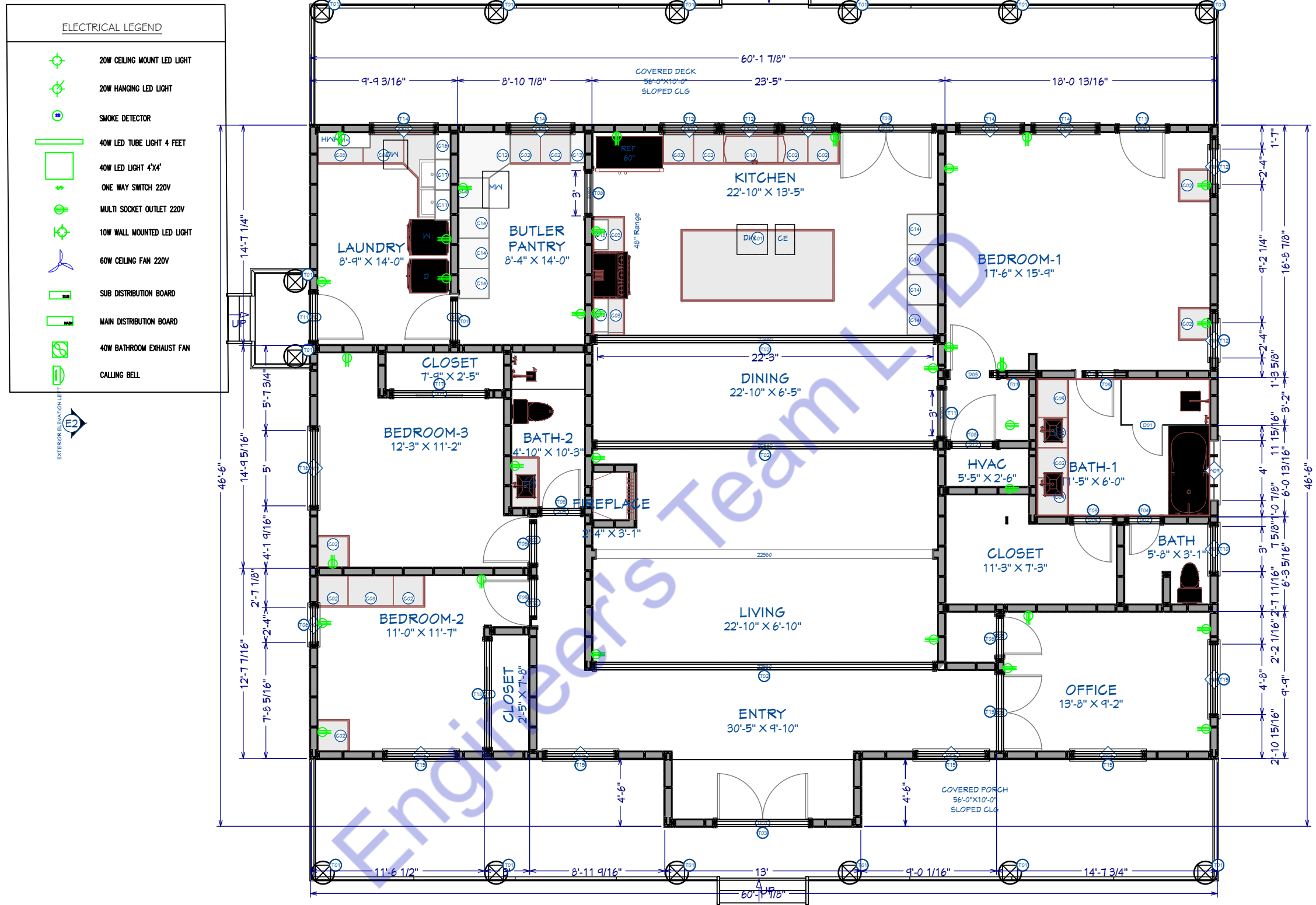




ELECTRICAL LIGHTING PLAN  
HOUSE PLAN  
3527 SQ FT

| PROJECT TITLE | DRAWING TITLE            | LOCATION                                    | LEVEL        | DRAWN BY   | DATE       | SCALE  | REVISION :                | REMARKS : | APPROVED BY : |
|---------------|--------------------------|---------------------------------------------|--------------|------------|------------|--------|---------------------------|-----------|---------------|
| CLASIC HOUSE  | ELECTRICAL LIGHTING PLAN | Dublin Independent School District, TX, USA | GROUND FLOOR | MD AL AMIN | 07/10/2024 | A3     | NO DATE DESCRIPTION DRAWN |           | NAME :        |
|               |                          |                                             |              |            |            | NO. A7 |                           |           | DATE :        |



ELECTRICAL POWER PLAN  
HOUSE PLAN  
3527 SQ FT

| PROJECT TITLE | DRAWING TITLE         | LOCATION                                    | LEVEL        | DRAWN BY   | DATE       | SCALE  | REVISION :                | REMARKS : | APPROVED BY : |
|---------------|-----------------------|---------------------------------------------|--------------|------------|------------|--------|---------------------------|-----------|---------------|
| CLASIC HOUSE  | ELECTRICAL POWER PLAN | Dublin Independent School District, TX, USA | GROUND FLOOR | MD AL AMIN | 07/10/2024 | A3     | NO DATE DESCRIPTION DRAWN |           | NAME :        |
|               |                       |                                             |              |            |            | NO. A8 |                           |           | DATE :        |

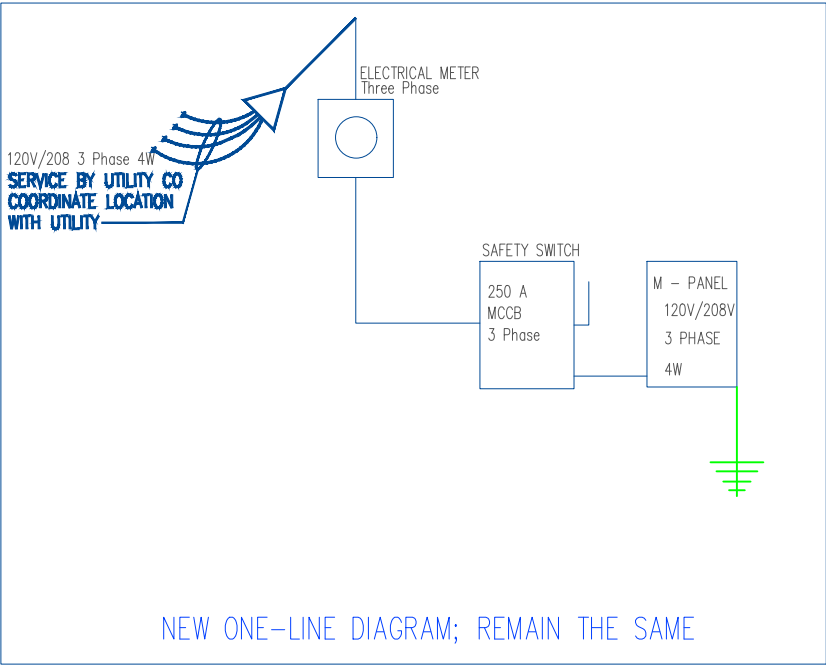
| 120/208 VOLT THREE PHASE 4 WIRE ELECTRICAL SERVICE |                 |           |                     |              |
|----------------------------------------------------|-----------------|-----------|---------------------|--------------|
| ITEM                                               | CONN. LOAD (VA) | DEMAND F. | DEMAND LOAD (WATTS) | TOTAL (AMPS) |
| LIGHTING                                           | 1750            | 125%      | 2188                |              |
| WATER HEATERS                                      | 2000            | 100%      | 2000                |              |
| KITCHEN EQUIPMENT                                  | 4200            | 65%       | 2730                |              |
| DINING EQUIPMENT                                   | 3000            | 65%       | 1950                |              |
| HVAC LOADS                                         | 26377           | 100%      | 26377               |              |
| SUB-TOTAL                                          |                 |           | 35245               |              |
| LARGEST MOTOR                                      | 0               | 125%      | 0                   |              |
| TOTAL @ 120/208 V                                  | 37327           |           | 35245               | 98           |

| ELECTRICAL PANEL -MAIN                                    |       |      |          |           |         |         |         |         |          |           |      |       |                      |              |      |  |     |
|-----------------------------------------------------------|-------|------|----------|-----------|---------|---------|---------|---------|----------|-----------|------|-------|----------------------|--------------|------|--|-----|
| LOAD SERVED                                               | CKT # | TYPE | BKR TRIP | WIRE SIZE | PHASE A | PHASE B | PHASE C | PHASE B | BKR TRIP | WIRE SIZE | TYPE | CKT # | LOAD SERVED          |              |      |  |     |
| HVAC                                                      | 1     |      | 80       | #3        | 8793    |         |         | 1750    | 20       | #12       |      | 2     | LIGHTS AND FANS LOAD |              |      |  |     |
|                                                           | 3     |      | 80       | #3        |         | 8793    |         | 2000    | 100      | #3        |      | 4     | WATER HEATER         |              |      |  |     |
|                                                           | 5     |      | 80       | #3        |         |         | 8793    | 500     | 120      | #1/0      |      | 6     | REFRIGERATOR         |              |      |  |     |
| CLOTHES DRYER                                             | 7     |      | 20       | #12       | 3000    |         |         | 1000    | 20       | #1/0      |      | 8     | OVEN                 |              |      |  |     |
| COFFEE MAKER/TOASTER                                      | 9     |      | 100      | #3        | 1200    |         |         | 1300    | 120      | #1/0      |      | 10    | DISHWASHER           |              |      |  |     |
| ELECTRIC KETTLE                                           | 11    |      | 100      | #3        | 1500    |         |         | 400     | 120      | #1/0      |      | 12    | WASHING MACHINE      |              |      |  |     |
| VACUUM CLEANER/IRON                                       | 7     |      | 120      | #1/0      | 1500    |         |         | 1000    | 100      | #3        |      | 8     | HAIR DRYER           |              |      |  |     |
| SPARE                                                     | 9     |      | 0        | #12       | 0       |         |         | 0       | 0        | #12       |      | 10    | SPARE                |              |      |  |     |
| SPARE                                                     | 11    |      | 0        | #12       | 0       |         |         | 0       | 0        | #12       |      | 12    | SPARE                |              |      |  |     |
|                                                           |       |      |          |           |         |         |         |         |          |           |      |       |                      |              |      |  |     |
| TOTAL VA PHASE A                                          |       |      |          |           | 15993   |         |         |         |          |           |      |       | 15993                |              |      |  |     |
| TOTAL VA PHASE B                                          |       |      |          |           |         | 8793    |         | 7950    |          |           |      |       | 16743                |              |      |  |     |
| TOTAL VA PHASE C                                          |       |      |          |           |         |         | 8793    |         |          |           |      |       | 8793                 |              |      |  |     |
| TOTAL VOLT-AMPS                                           |       |      |          |           |         |         |         |         |          |           |      |       | 41529                |              |      |  |     |
| DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE) |       |      |          |           |         |         |         |         |          |           |      |       |                      | 208          | AMPS |  | 200 |
| DIVIDE AMPS BY 3 PHASE MULTIPLIER                         |       |      |          |           |         |         |         |         |          |           |      |       |                      | 1.732        | AMPS |  | 116 |
| TOTAL CONNECTED LOAD (AMPS) @ 125%                        |       |      |          |           |         |         |         |         |          |           |      |       |                      | 145          |      |  |     |
| MAIN TYPE AND AMPERE RATING                               |       |      |          |           |         |         |         |         |          |           |      |       |                      | 250 AMP MCCB |      |  |     |
| PANEL FEEDER SIZE – SEE RISER DIAGRAM                     |       |      |          |           |         |         |         |         |          |           |      |       |                      |              |      |  |     |

1  
E200

PANEL SCHEDULE & SERVICE CALCULATION

| Material                             |      |
|--------------------------------------|------|
| Name                                 | Watt |
| CEILING FAN                          | 55W  |
| CEILING MOUNT ROUND LED LIGHT        | 20W  |
| WALL MOUNT LED LIGHT                 | 10W  |
| CEILING MOUNT 2"X2" SQUARE LED LIGHT | 40W  |
| HANGING LIGHT                        | 20W  |

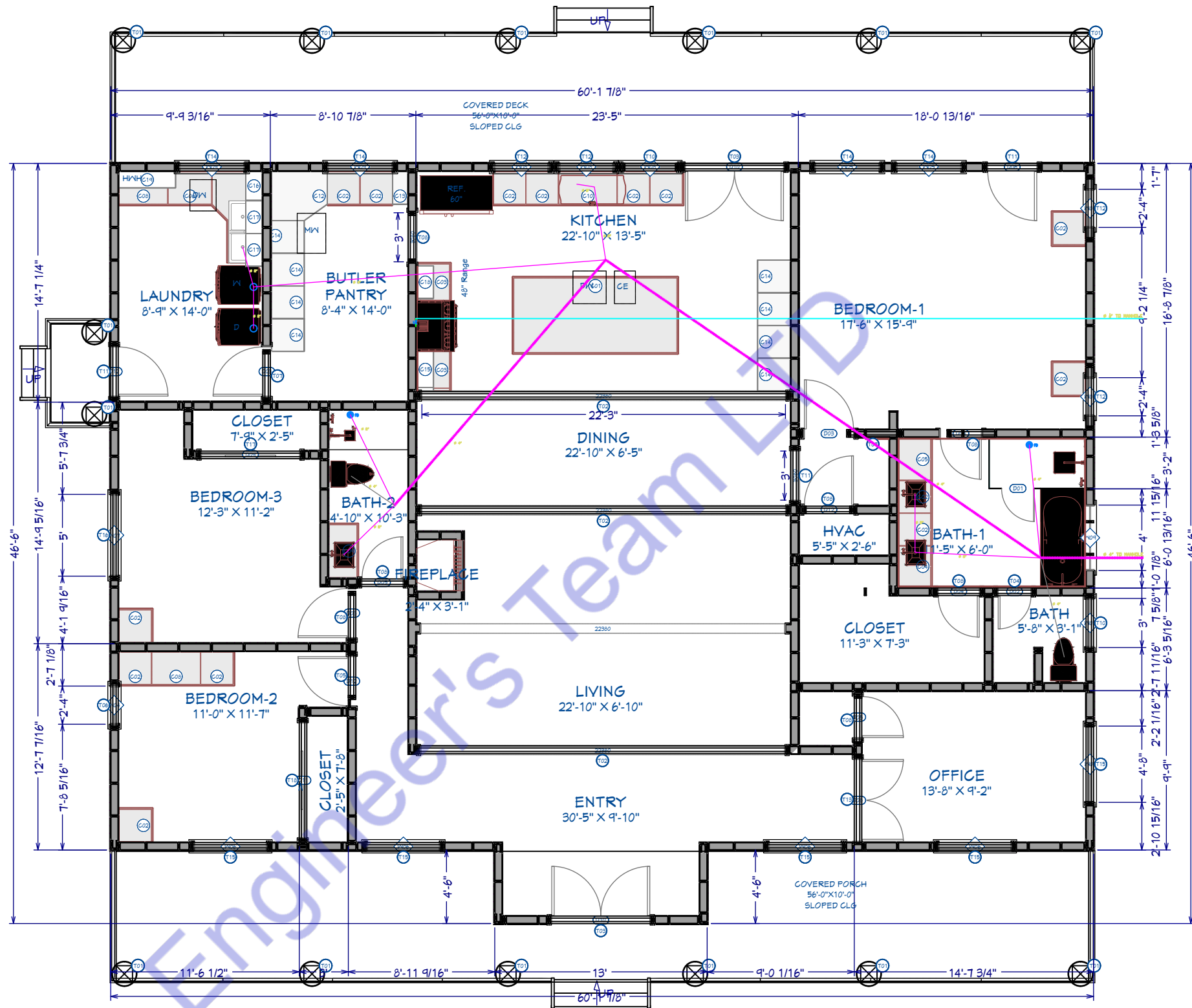


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E200

SINGLE LINE DIAGRAM

| PROJECT TITLE | DRAWING TITLE                                             | LOCATION                                       | LEVEL        | DRAWN BY   | DATE       |        |    | REVISION : |      |             | REMARKS : | APPROVED BY :    |
|---------------|-----------------------------------------------------------|------------------------------------------------|--------------|------------|------------|--------|----|------------|------|-------------|-----------|------------------|
| CLASIC HOUSE  | ELECTRICAL LOAD<br>SCHEDULE & SINGLE LINE<br>DIAGRAM PLAN | Dublin Independent School<br>District, TX, USA | GROUND FLOOR | MD AL AMIN | 07/10/2024 | SCALE  | A3 | NO         | DATE | DESCRIPTION | DRAWN     | NAME :<br>DATE : |
|               |                                                           |                                                |              |            |            |        |    |            |      |             |           |                  |
|               |                                                           |                                                |              |            |            |        |    |            |      |             |           |                  |
|               |                                                           |                                                |              |            |            |        |    |            |      |             |           |                  |
|               |                                                           |                                                |              |            |            |        |    |            |      |             |           |                  |
|               |                                                           |                                                |              |            |            | NO. A9 |    |            |      |             |           |                  |

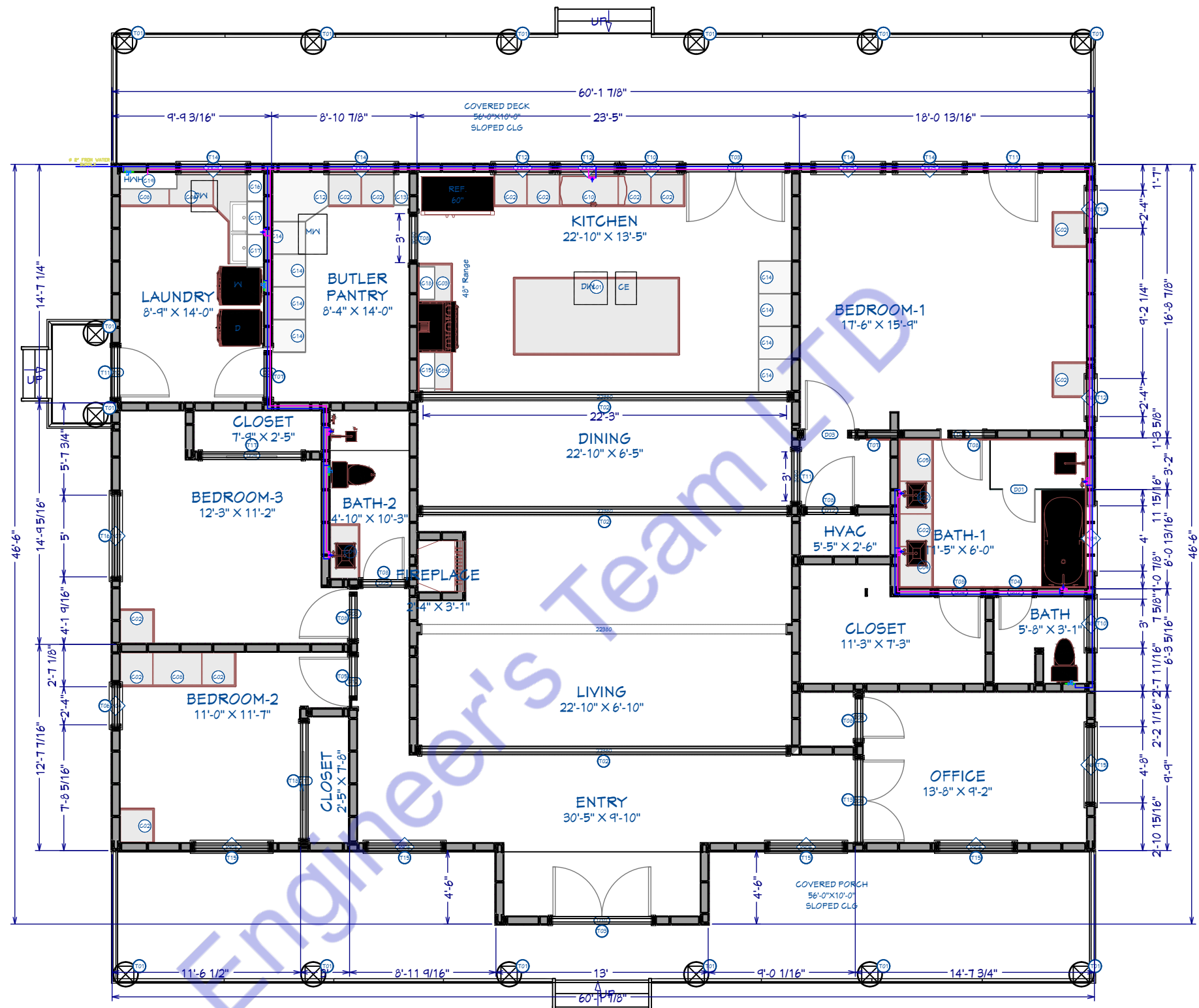
| PLUMBING LEGEND   |                       |
|-------------------|-----------------------|
|                   | BALL VALVE (BV)       |
|                   | GATE VALVE (GV)       |
|                   | MIXING VALVE (MV)     |
|                   | FLOOR CLEAN OUT (FCO) |
|                   | FLOOR DRAIN (FD)      |
|                   | HUB DRAIN (HD)        |
|                   | FLOOR SINK (FS)       |
|                   | PIPE TURNING UP       |
|                   | PIPE TURNING DOWN     |
|                   | EXISTING PIPE         |
|                   | NEW PIPE              |
| LINES TYPE LEGEND |                       |
|                   | COLD WATER LINE (CW)  |
|                   | HOT WATER LINE (HW)   |
|                   | SEWER LINE (S)        |
|                   | GAS LINE (G)          |



PLUMBING SEWER & GAS LINE PLAN  
HOUSE PLAN  
3527 SQ FT

| PROJECT TITLE | DRAWING TITLE                  | LOCATION                                    | LEVEL        | DRAWN BY   | DATE       | SCALE   | REVISION :                | REMARKS : | APPROVED BY : |
|---------------|--------------------------------|---------------------------------------------|--------------|------------|------------|---------|---------------------------|-----------|---------------|
| CLASIC HOUSE  | PLUMBING SEWER & GAS LINE PLAN | Dublin Independent School District, TX, USA | GROUND FLOOR | MD AL AMIN | 07/10/2024 | A3      | NO DATE DESCRIPTION DRAWN |           | NAME :        |
|               |                                |                                             |              |            |            | NO. A10 |                           |           | DATE :        |

| PLUMBING LEGEND   |                       |  |
|-------------------|-----------------------|--|
|                   | BALL VALVE (BV)       |  |
|                   | GATE VALVE (GV)       |  |
|                   | MIXING VALVE (MV)     |  |
|                   | FLOOR CLEAN OUT (FCO) |  |
|                   | FLOOR DRAIN (FD)      |  |
|                   | HUB DRAIN (HD)        |  |
|                   | FLOOR SINK (FS)       |  |
|                   | PIPE TURNING UP       |  |
|                   | PIPE TURNING DOWN     |  |
|                   | EXISTING PIPE         |  |
|                   | NEW PIPE              |  |
| LINES TYPE LEGEND |                       |  |
|                   | COLD WATER LINE (CW)  |  |
|                   | HOT WATER LINE (HW)   |  |
|                   | SEWER LINE (S)        |  |
|                   | GAS LINE (G)          |  |



PLUMBING WATER SUPPLY PLAN  
HOUSE PLAN  
3527 SQ. FT.

| PROJECT TITLE | DRAWING TITLE              | LOCATION                                    | LEVEL        | DRAWN BY   | DATE       |         |    | REVISION : |      |             | REMARKS : | APPROVED BY : |                  |
|---------------|----------------------------|---------------------------------------------|--------------|------------|------------|---------|----|------------|------|-------------|-----------|---------------|------------------|
| CLASIC HOUSE  | PLUMBING WATER SUPPLY PLAN | Dublin Independent School District, TX, USA | GROUND FLOOR | MD AL AMIN | 07/10/2024 | SCALE   | A3 | NO         | DATE | DESCRIPTION | DRAWN     |               | NAME :<br>DATE : |
|               |                            |                                             |              |            |            |         |    |            |      |             |           |               |                  |
|               |                            |                                             |              |            |            |         |    |            |      |             |           |               |                  |
|               |                            |                                             |              |            |            |         |    |            |      |             |           |               |                  |
|               |                            |                                             |              |            |            |         |    |            |      |             |           |               |                  |
|               |                            |                                             |              |            |            | NO. A11 |    |            |      |             |           |               |                  |





**Designed By Engr. Al Amin (MEP Engineer | Director - Engineer's Team LTD)**

 [support@engrteam.com](mailto:support@engrteam.com)

 <https://engrteam.com>

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