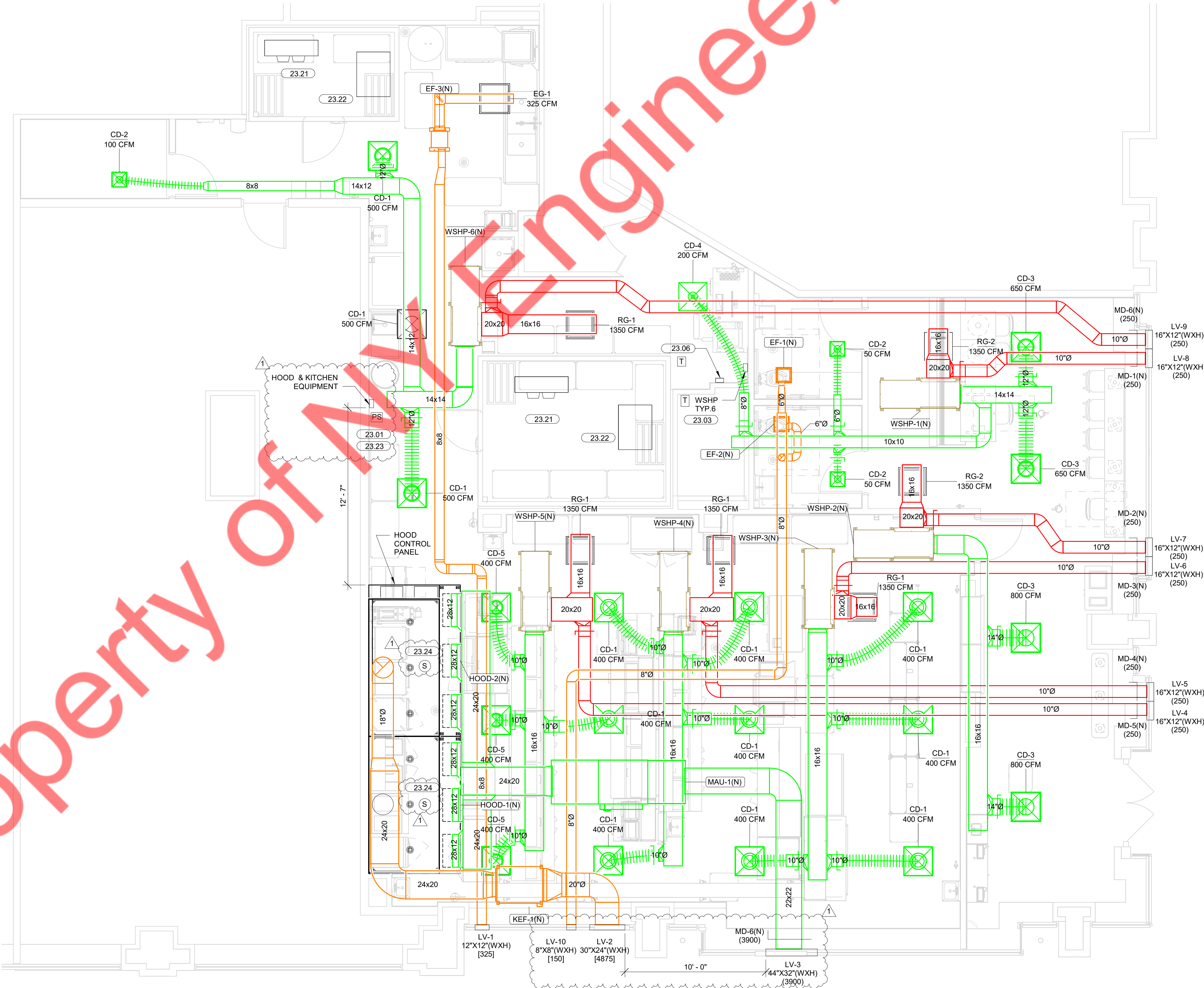






| KEYNOTES |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23.01    | KITCHEN HOOD EMERGENCY PULL STATION. PROVIDE AND CONNECT AUDIO/VISUAL ALARM TO HOOD SUPPRESSION SYSTEM BY E.C. ALARM TO ACTIVATE UPON ACTIVATION OF THE HOOD SUPPRESSION SYSTEM.                                                                                                                                                                                                                                                                                                                                                                                       |
| 23.03    | MOUNT WIRED THERMOSTAT OR SENSOR AS SHOWN 48" AFF. LABEL ALL DEVICES FOR UNIT SERVED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 23.06    | MOUNT THERMOSTAT PROVIDED WITH VAV DIFFUSER AT 48" AFF. BALANCE MINIMUM AIRFLOW TO 35 CFM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 23.21    | WALK-IN REFRIGERATION EQUIPMENT PROVIDED BY OTHERS, SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXACT LOCATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 23.22    | COORDINATE LOCATION WITH OWNER. SECURE RACK AS PER MANUFACTURER RECOMMENDATIONS. REMOTE CONDENSING UNIT PROVIDED BY AND INSTALLED BY WALK-IN COOLER VENDOR, TO BE SECURED TO RACK.                                                                                                                                                                                                                                                                                                                                                                                     |
| 23.23    | VERIFY THE EXACT LOCATION OF PULL STATION WITH KITCHEN EQUIPMENT SUPPLIER. PROVIDE & INSTALL THE EMERGENCY MANUAL SHUTDOWN PUSH BUTTON FOR KITCHEN EQUIPMENT & HOOD-1(N). A MANUAL ACTUATED DEVICE THAT AUTOMATICALLY SHUT DOWN THE FUEL AND ELECTRICAL POWER SUPPLY TO THE COOKING EQUIPMENT SHALL BE LOCATED AT OR NEAR THE MEANS OF EGRESS FROM THE COOKING AREA. PUSH BUTTON SHALL BE IN THE PATH OF EGRESS, A MINIMUM OF 10 FT. & MAXIMUM OF 20 FT. FROM THE EXHAUST AIR SYSTEM. THE EXHAUST HOOD SYSTEM SHALL BE OPERATIONAL DURING ALL KITCHEN OPERATING HOURS. |
| 23.24    | PROVIDE HEAT OR RADIANT ENERGY SENSORS FOR THE EACH EXHAUST HOODS SYSTEM. SENSORS SHALL BE CAPABLE OF BEING ACCESSED FROM THE HOOD OUTLET OR FROM A CLEANOUT LOCATION.                                                                                                                                                                                                                                                                                                                                                                                                 |



1 FIRST FLOOR HVAC PLAN  
1/4" = 1'-0"

CONSULTANTS

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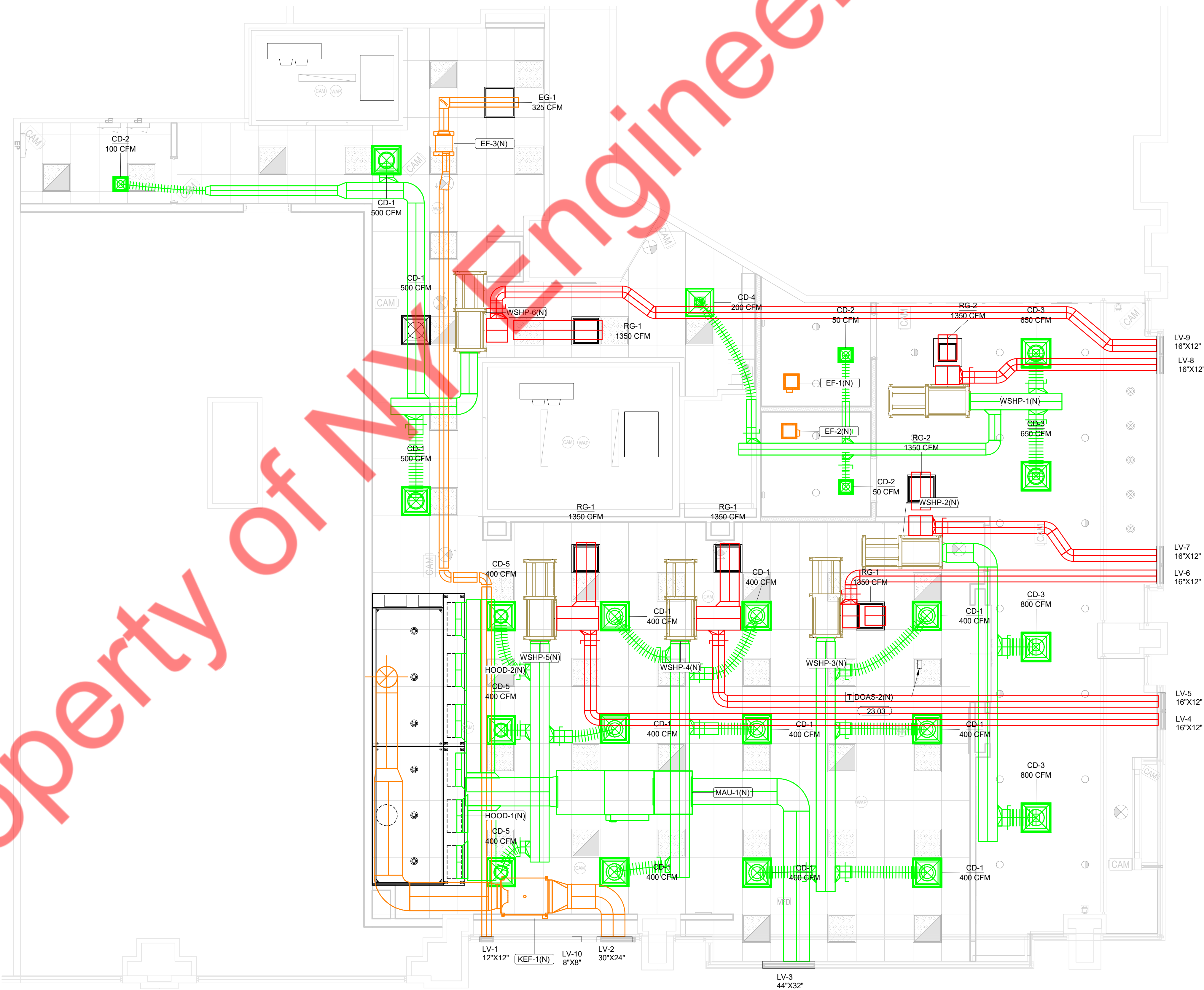
HVAC PLAN

SHEET NUMBER

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Property of NY Engineers



1 HVAC RCP PLAN  
1/4" = 1'-0"

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HVAC RCP PLAN

SHEET NUMBER  
M102



## NTS

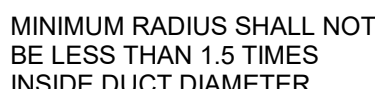
NTS



PARALLEL TO JOIST

## 2

NTS



FLEXIBLE DUCTWORK  
SAG, PER SMACNA SAG IS  
LIMITED TO 1/2" PER FOOT

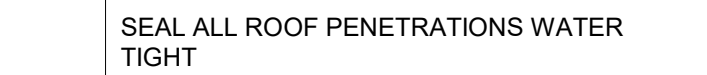
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NTS



## 5

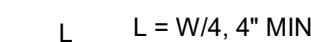
NTS



PROVIDE PIPING SUPPORT SPACING AS REQUIRED BY LOCAL AUTHORITY. PIPING SUPPORTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. PIPING SUPPORTS SHALL BE INSTALLED TO WITHSTAND 3-SECOND WIND GUST UP TO 100 MPH.

## 4

NTS



1. SPIN-IN FITTINGS W/ SCOOPS ARE NOT ACCEPTABLE.
2. REF PLANS FOR RUNOUT SIZES.
3. 45° LEAD IN.

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— SHEET NAME —————

## MECHANICAL DETAILS

## MECHANICAL DETAILS

— SHEET —

NUMBER **ME01**

M501

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| WATER SOURCE HEAT PUMP UNIT SCHEDULE                                                                                   |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            | BASIS OF DESIGN: TRANE OR EQUIVALENT |                   |              |          |       |  |
|------------------------------------------------------------------------------------------------------------------------|-------------------|----------|---------|-----|----------------|-----------------|----------------|-----------------------|-------------------------------------------------|------------------------------|---------------------------------|-----------------------|------------|---------|---------|----------|------------|--------------------------------------|-------------------|--------------|----------|-------|--|
| TAG                                                                                                                    | TYPE OF UNIT      | SERVING  | TONANGE | QTY | SUPPLY AIR CFM | OUTSIDE AIR CFM | ESP (IN OF WC) | FLUID PROPERTIES      |                                                 | TOTAL COOLING CAPACITY (MBH) | SENSIBLE COOLING CAPACITY (MBH) | HEATING CAPCITY (MBH) | ELECTRICAL |         |         |          | EFFICIENCY |                                      | DIMENSION (LXWXH) | WEIGHT (LBS) | MODEL    | NOTES |  |
|                                                                                                                        |                   |          |         |     |                |                 |                | WATER FLOW RATE (GPM) | WATER PRESSURE DROP COOLING/HEATING (FT OF W.C) |                              |                                 |                       | V/ PH/ HZ  | FLA (A) | MCA (A) | MOCp (A) | EER        | COP                                  |                   |              |          |       |  |
| WSHP-1(N), WSHP-2(N), WSHP-3(N), WSHP-4(N), WSHP-5(N), WSHP-6(N)                                                       | CEILING SUSPENDED | SEE PLAN | 4       | 6   | 1600           | 250 (EACH)      | 0.5            | 12                    | 14.3                                            | 52.2                         | 43.08                           | 60.41                 | 460/3/60   | 9.6     | 12      | 15       | 15.9       | 4.9                                  | 68"X28"X21"       | 377          | GEHK0484 | 1-12  |  |
| NOTES:                                                                                                                 |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 1. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. COORDINATE WITH ELECTRICAL DRAWINGS FOR DETAILS.                            |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 2. CONTRACTOR TO FIELD VERIFY IF ALL WSHP's RECEIVED MENTIONED CONDENSER WATER FLOW. PROVIDE BOOSTER PUMP IF REQUIRED. |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 3. PROVIDE SECONDARY DRAIN PAN WITH WATER LEAK BUG SENSOR.                                                             |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 4. CONDENSER WATER NEEDS TO BE FLUSHED PRIOR CONNECTING TO NEW WSHP                                                    |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 5. WSHP UNIT MUST BE FULLY ACCESSIBLE FOR SERVICE.                                                                     |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 6. PROVIDE STANDARD 5 YEAR COMPRESSOR WARRANTY.                                                                        |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 7. PROVIDE CONDENSATE OVERFLOW SENSOR.                                                                                 |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 8. PROVIDE WITH ENTERING WATER SENSOR.                                                                                 |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 9. UNITS ARE CEILING SUSPENDED TYPE, PROVIDE ADEQUATE SUPPORT FOR HANGING THE UNITS.                                   |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 10. MECHANICAL CONTRACTOR TO COORDINATE WITH STRUCTURAL ENGINEER FOR STRUCTURAL SUPPORT AND INSTALLATION OF WSHPS.     |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 11. PROVIDE ALL WSHP's WITH HUMIDITY CONTROL OPTIONS.                                                                  |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |
| 12. BALANCE THE OUTSIDE AIR SUPPLY AS PER THE OUTSIDE AIR CFM MENTIONED IN THE SCHEDULE.                               |                   |          |         |     |                |                 |                |                       |                                                 |                              |                                 |                       |            |         |         |          |            |                                      |                   |              |          |       |  |

| MAKE-UP AIR UNIT SCHEDULE                                                                                                  |              |              |                |          |           |                  |                 |         |          |                 |      |               |               |            |
|----------------------------------------------------------------------------------------------------------------------------|--------------|--------------|----------------|----------|-----------|------------------|-----------------|---------|----------|-----------------|------|---------------|---------------|------------|
| MARK                                                                                                                       | MANUFACTURER | MODEL        | SERVICE        | MOTOR HP | FAN       |                  | ELECTRICAL DATA |         |          | ELECTRIC HEATER |      |               |               | MAX WEIGHT |
|                                                                                                                            |              |              |                |          | AIR (CFM) | E.S.P (IN. W.G.) | V/P/H           | MCA (A) | MOCp (A) | V/P/H           | AMPS | HEATING (MBH) | TEMP RISE (F) |            |
| MAU-1(N)                                                                                                                   | ECON-AIR     | E2-E.734-20D | H-1(N), H-2(N) | 5        | 3900      | 1.5              | 460/3/60        | 96.9    | 100      | 460/3/60        | 87.8 | 249.1         | 45            | 819        |
| NOTES:                                                                                                                     |              |              |                |          |           |                  |                 |         |          |                 |      |               |               |            |
| 1. PROVIDE ALL NECESSARY ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS.                                                |              |              |                |          |           |                  |                 |         |          |                 |      |               |               |            |
| 2. REFER TO HOOD DRAWINGS ON SHEET MH101 TO MH103 FOR SPECIFICATIONS AND MORE DETAILS. SCHEDULES SHOWN FOR REFERENCE ONLY. |              |              |                |          |           |                  |                 |         |          |                 |      |               |               |            |
| 3. MAU-1(N) SHALL BE CONTROLLED BY HOOD CONTROLS.                                                                          |              |              |                |          |           |                  |                 |         |          |                 |      |               |               |            |

| KITCHEN EXHAUST FAN SCHEDULE                                                                                                           |              |           |            |      |          |                  |                  |                 |       |     |               |                   |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|------------|------|----------|------------------|------------------|-----------------|-------|-----|---------------|-------------------|
| MARK                                                                                                                                   | MANUFACTURER | MODEL     | DRIVE TYPE | RPM  | MOTOR HP | EXHAUST AIR DATA |                  | ELECTRICAL DATA |       |     | MAX. LOUDNESS | MAX. WEIGHT (LBS) |
|                                                                                                                                        |              |           |            |      |          | AIR (CFM)        | E.S.P (IN. W.G.) | VOLTAGE         | PHASE | FLA |               |                   |
| KEF-1(N)                                                                                                                               | ECON-AIR     | EASIF20DD | DIRECT     | 1486 | 3        | 4875             | 2                | 460             | 3     | 4.3 | 19.1          | 495               |
| NOTES:                                                                                                                                 |              |           |            |      |          |                  |                  |                 |       |     |               |                   |
| 1. FAN SHALL BE CONTROLLED BY HOOD CONTROLS. INTERLOCK WSHP-5(N) TO OPERATE IN OCCUPIED MODE WHILE KITCHEN EXHAUST FANS ARE ENERGIZED. |              |           |            |      |          |                  |                  |                 |       |     |               |                   |
| 2. REFER TO HOOD DRAWINGS ON SHEET MH101 TO MH103 FOR SPECIFICATIONS AND MORE DETAILS. SCHEDULES SHOWN FOR REFERENCE ONLY.             |              |           |            |      |          |                  |                  |                 |       |     |               |                   |
| 3. PROVIDE ALL NECESSARY ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS.                                                            |              |           |            |      |          |                  |                  |                 |       |     |               |                   |

| HOOD SCHEDULE                                                                                                                                                                                           |              |      |                 |         |                   |                             |                  |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|-----------------|---------|-------------------|-----------------------------|------------------|--------------|
| UNIT ID                                                                                                                                                                                                 | MANUFACTURER | TYPE | MODEL           | SERVICE | EXHAUST AIR (CFM) | EXHAUST COLLAR (DIA.) (IN.) | SUPPLY AIR (CFM) | WEIGHT (LBS) |
| H-1(N)                                                                                                                                                                                                  | ECON-AIR     | I    | 6024 EX-2-PSP-F | KITCHEN | 2437              | 18                          | 1950             | 724          |
| H-2(N)                                                                                                                                                                                                  | ECON-AIR     | I    | 6024 EX-2-PSP-F | KITCHEN | 2438              | 18                          | 1950             | 1208         |
| NOTES:                                                                                                                                                                                                  |              |      |                 |         |                   |                             |                  |              |
| 1. REFER TO HOOD DRAWINGS ON SHEET MH101 TO MH103 FOR SPECIFICATIONS AND MORE DETAILS. SCHEDULES SHOWN FOR REFERENCE ONLY.                                                                              |              |      |                 |         |                   |                             |                  |              |
| 2. INCLUDE HOOD CONTROLLER WITH CONTROL PANEL FOR CONTROL OF HOOD, EXHAUST FAN & MAKE-UP AIR UNIT. THE CONTROLLER SHOULD INTEGRATE & CONTROL KITCHEN EXHAUST FAN & MAKE-UP AIR UNIT CONNECTED TO HOODS. |              |      |                 |         |                   |                             |                  |              |

| EXHAUST FAN SCHEDULE                               |          |               |                  |               |          |         |          |                 |             |
|----------------------------------------------------|----------|---------------|------------------|---------------|----------|---------|----------|-----------------|-------------|
| TAG                                                | QUANTITY | FLOW RATE CFM | STATIC PRESSURE  | ELECTRIC DATA |          |         |          | BASIS OF DESIGN |             |
|                                                    |          |               | EXTERNAL IN W.G. | SPEED RPM     | V/PH/HZ  | MCA (A) | MOCp (A) | MANUFACTURER    | MODEL       |
| EF-1(N), EF-2(N)                                   | 2        | 75            | 0.5              | 773           | 115/60/1 | 0.4     | 15       | GREENHECK       | SP-LP0511-1 |
| EF-3(N)                                            | 1        | 325           | 0.5              | 1350          | 115/60/1 | 1.8     | 15       | GREENHECK       | CSP-A390    |
| NOTES:                                             |          |               |                  |               |          |         |          |                 |             |
| 1. INTERCONNECT EF-1(N) & 2(N) WITH ROOM LIGHT.    |          |               |                  |               |          |         |          |                 |             |
| 2. PROVIDE BACKDRAFT DAMPER AND DISCONNECT SWITCH. |          |               |                  |               |          |         |          |                 |             |
| 3. INSTALL AS PER MANUFACTURERS RECOMMENDATION.    |          |               |                  |               |          |         |          |                 |             |
| 4. INTERCONNECT EF-3(N) WITH WSHP-6(N).            |          |               |                  |               |          |         |          |                 |             |

| VENTILATION CALCULATION |              |                                                |                                   |                  |                                  |            |                                             |                                             |                          |                                                    |                      |                      |
|-------------------------|--------------|------------------------------------------------|-----------------------------------|------------------|----------------------------------|------------|---------------------------------------------|---------------------------------------------|--------------------------|----------------------------------------------------|----------------------|----------------------|
| ROOM NAME               | AREA (SQ FT) | NUMBER OF PEOPLE/1000 SQ. FT. AS PER DCMC 2017 | NUMBER OF PEOPLE AS PER DCMC 2017 | FINAL PEOPLE NO. | MIN OUTSIDE AIR AS PER DCMC 2017 |            | REQUIRED OUTSIDE AIR CFM AS PER - DCMC 2017 | REQUIRED OUTSIDE AIR CFM AS PER - DCMC 2017 | PROVIDED OUTSIDE AIR CFM | EXHAUST (CFM/SQFT) OR PER FIXTURE AS PER DCMC 2017 | REQUIRED EXHAUST CFM | PROVIDED EXHAUST CFM |
|                         |              |                                                |                                   |                  | CFM/ PEOPLE                      | CFM/ SQ.FT |                                             |                                             |                          |                                                    |                      |                      |
| DINING                  | 653          | 70                                             | 46                                | 46               | 7.5                              | 0.18       | 578                                         | 900                                         | 5400                     | 0                                                  | 5350                 | 5350                 |
| KITCHEN                 | 1615         | 20                                             | 33                                | 33               | 7.5                              | 0.12       | 552                                         | 590                                         |                          | 0                                                  |                      |                      |
| BOH                     | 200          | 20                                             | 0                                 | 0                | 7.5                              | 0.12       | 30                                          | 0                                           |                          | 1135                                               |                      |                      |
| ELEC                    | 56           | 0                                              | 0                                 | 0                | 0                                | 0.12       | 8                                           | 10                                          |                          | 140                                                |                      |                      |
| RR-1                    | 56           | 0                                              | 0                                 | 0                | 0                                | 0          | 0                                           | 0                                           |                          | 0                                                  |                      |                      |
| RR-2                    | 58           | 0                                              | 0                                 | 0                | 0                                | 0          | 0                                           | 0                                           |                          | 70                                                 |                      |                      |
| TOTAL                   | 2638         | -                                              | -                                 | 79               | -                                | -          | 1168                                        | 1500                                        | 5400                     | -                                                  | 1415                 | 5350                 |

| AIR DEVICE SCHEDULE                                                                                                |         |              |           |                                        |               |           |           |
|--------------------------------------------------------------------------------------------------------------------|---------|--------------|-----------|----------------------------------------|---------------|-----------|-----------|
| TYPE                                                                                                               | SERVICE | MANUFACTURER | MODEL     | STYLE                                  | MOUNTING      | FACE SIZE | NOTES     |
| CD-1                                                                                                               | SUPPLY  | PRICE        | ASPD      | SQUARE PLAQUE DIFFUSER                 | LAY-IN        | 24x24     | 1-4.8     |
| CD-2                                                                                                               | SUPPLY  | PRICE        | ASPD      | SQUARE PLAQUE DIFFUSER                 | SEE NOTES     | 12x12     | 1-4.6,7.8 |
| CD-3                                                                                                               | SUPPLY  | PRICE        | ASPD      | SQUARE PLAQUE DIFFUSER                 | LAY-IN        | 24x24     | 1-4.6.8   |
| CD-4                                                                                                               | SUPPLY  | PRICE        | VARITHERM | THERMALLY POWERED VAV CEILING DIFFUSER | LAY-IN        | 24x24     | 1-5.8     |
| CD-5                                                                                                               | SUPPLY  | CAPTIVEAIRE  | DI-PSP    | PERFORATED DIFFUSER                    | LAY-IN        | 24x24     | 2-4.8     |
| EG-1                                                                                                               | EXHAUST | PRICE        | 80SR      | 1/2" x 1/2" x 1/2" EGGCRATE GRID       | LAY-IN        | 24x24     | 1-4       |
| EG-2                                                                                                               | EXHAUST | PRICE        | 80SR      | 1/2" x 1/2" x 1/2" EGGCRATE GRID       | LAY-IN        | 12x12     | 1-4       |
| RG-1                                                                                                               | RETURN  | PRICE        | 80SR      | 1/2" x 1/2" x 1/2" EGGCRATE GRID       | LAY-IN        | 24x24     | 1-4       |
| RG-2                                                                                                               | RETURN  | PRICE        | 80SR      | 1/2" x 1/2" x 1/2" EGGCRATE GRID       | SURFACE MOUNT | 24x24     | 1-4       |
| NOTES:                                                                                                             |         |              |           |                                        |               |           |           |
| 1. ALL ALUMINUM CONSTRUCTION.                                                                                      |         |              |           |                                        |               |           |           |
| 2. NECK SIZE SAME SIZE AS BRANCH DUCT SIZE UNLESS NOTED OTHERWISE.                                                 |         |              |           |                                        |               |           |           |
| 3. PROVIDE NECK FOR DUCT CONNECTION.                                                                               |         |              |           |                                        |               |           |           |
| 4. STANDARD WHITE FINISH                                                                                           |         |              |           |                                        |               |           |           |
| 5. PROVIDE WITH ROOM THERMOSTAT MOUNTED ON WALL IN LOCATION SHOWN ON PLANS. MINIMUM CFM SHALL BE 35 CFM (DEFAULT). |         |              |           |                                        |               |           |           |
| 6. WHERE SHOWN IN GYP CEILING, PROVIDE WITH INTEGRAL OPPOSED BLADE DAMPER IN NECK. ADJUSTABLE THRU FACE OF GRILLE. |         |              |           |                                        |               |           |           |
| 7. WHERE SHOWN IN LAY-IN CEILING, PROVIDE WITH 24x24 MOUNTING FRAME.                                               |         |              |           |                                        |               |           |           |
| 8. PROVIDE WITH R-6 INSULATED BACK PAN.                                                                            |         |              |           |                                        |               |           |           |
| 9. PROVIDE WITH 30° DEFLECTION. MOUNT ON WALL AS HIGH AS POSSIBLE, REF FLOOR PLAN.                                 |         |              |           |                                        |               |           |           |

| AIR BALANCE TABLE                                                                                                     |             |            |             |            |             |
|-----------------------------------------------------------------------------------------------------------------------|-------------|------------|-------------|------------|-------------|
| UNIT                                                                                                                  | AREA SERVED | SUPPLY AIR | OUTSIDE AIR | RETURN AIR | EXHAUST AIR |
| WSHP-1(N)                                                                                                             | SEE PLAN    | 1600 CFM   | 250 CFM     | 1350 CFM   | -           |
| WSHP-2(N)                                                                                                             | SEE PLAN    | 1600 CFM   | 250 CFM     | 1350 CFM   | -           |
| WSHP-3(N)                                                                                                             | SEE PLAN    | 1600 CFM   | 250 CFM     | 1350 CFM   | -           |
| WSHP-4(N)                                                                                                             | SEE PLAN    | 1600 CFM   | 250 CFM     | 1350 CFM   | -           |
| WSHP-5(N)                                                                                                             | SEE PLAN    | 1600 CFM   | 250 CFM     | 1350 CFM   | -           |
| WSHP-6(N)                                                                                                             | SEE PLAN    | 1600 CFM   | 250 CFM     | 1350 CFM   | -           |
| MAU-1(N)                                                                                                              | SEE PLAN    | 3900 CFM   | 3900 CFM    | -          | -           |
| KEF-1(N)                                                                                                              | SEE PLAN    | -          | -           | -          | 4875 CFM    |
| EF-1(N)                                                                                                               | SEE PLAN    | -          | -           | -          | 75 CFM      |
| EF-2(N)                                                                                                               | SEE PLAN    | -          | -           | -          | 75 CFM      |
| EF-3(N)                                                                                                               | SEE PLAN    | -          | -           | -          | 325 CFM     |
| TOTAL:                                                                                                                |             | 13500 CFM  | 5400 CFM    | 8100 CFM   | 5350 CFM    |
| BUILDING PRESSURE:                                                                                                    |             |            | .....       | 50 CFM     | POSITIVE    |
| 1. CONTRACTOR TO BALANCE OUTSIDE AIR & RETURN AIR DAMPERS ON WSHPS & MAU TO MATCH VALUES AS MENTIONED IN ABOVE TABLE. |             |            |             |            |             |

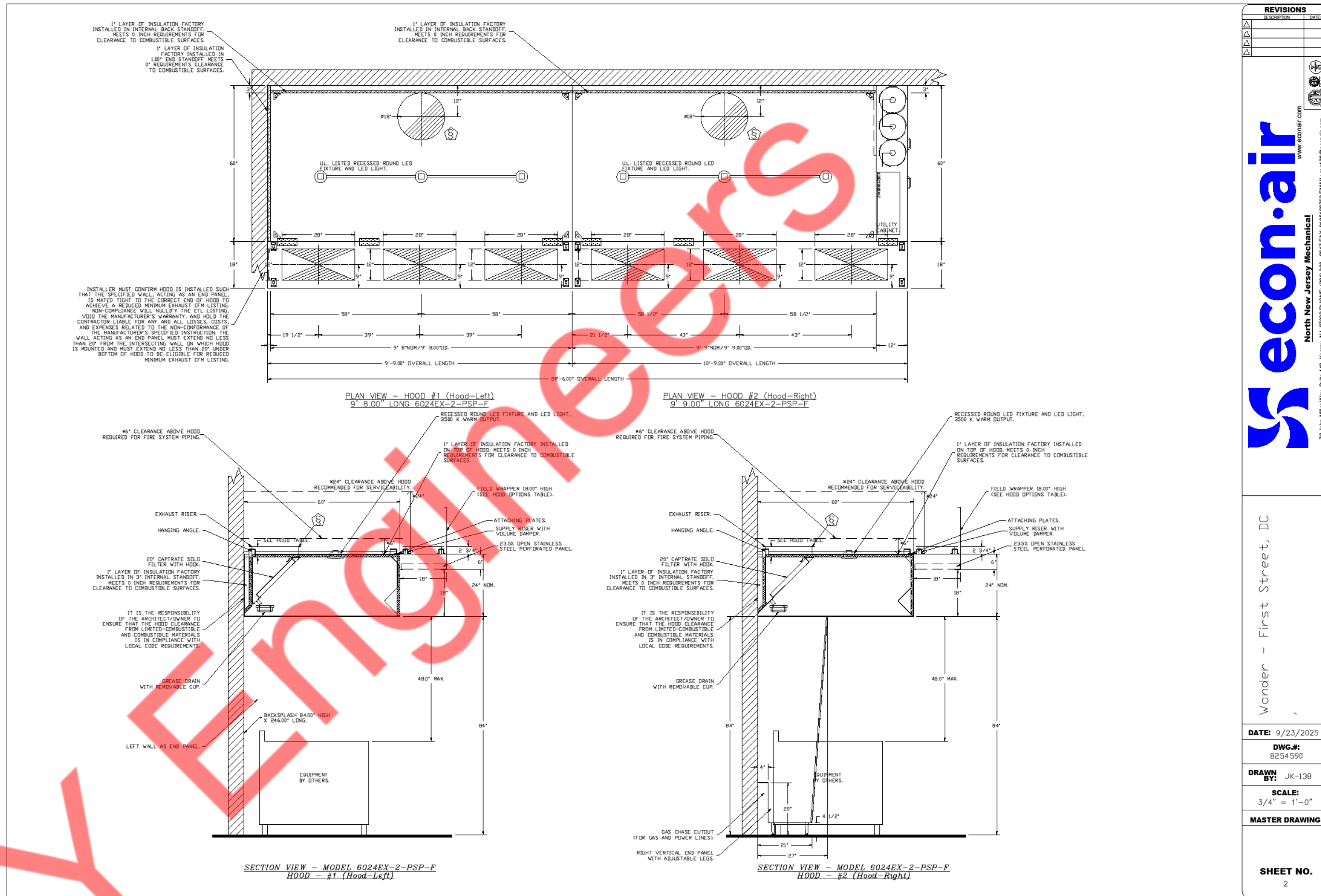
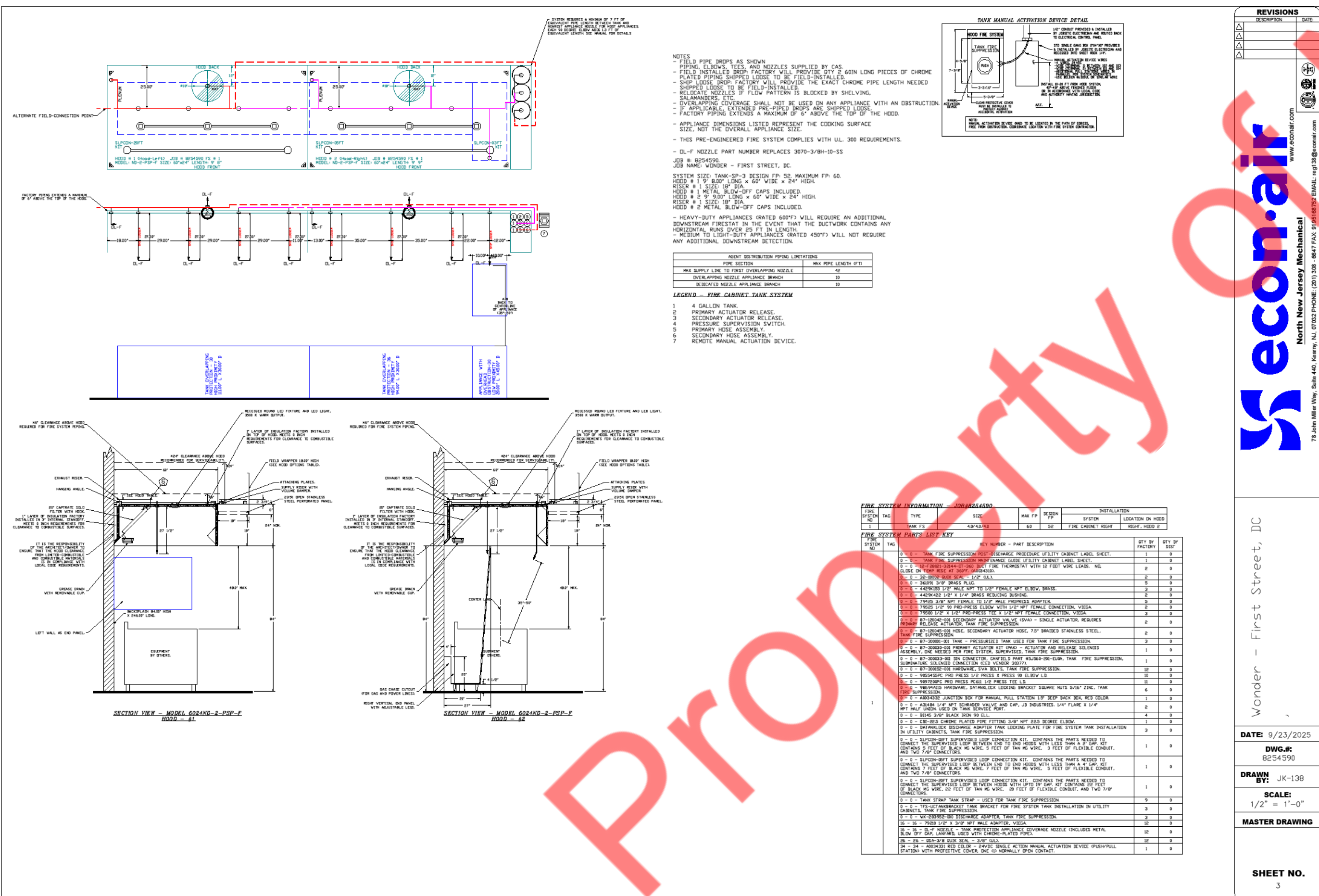
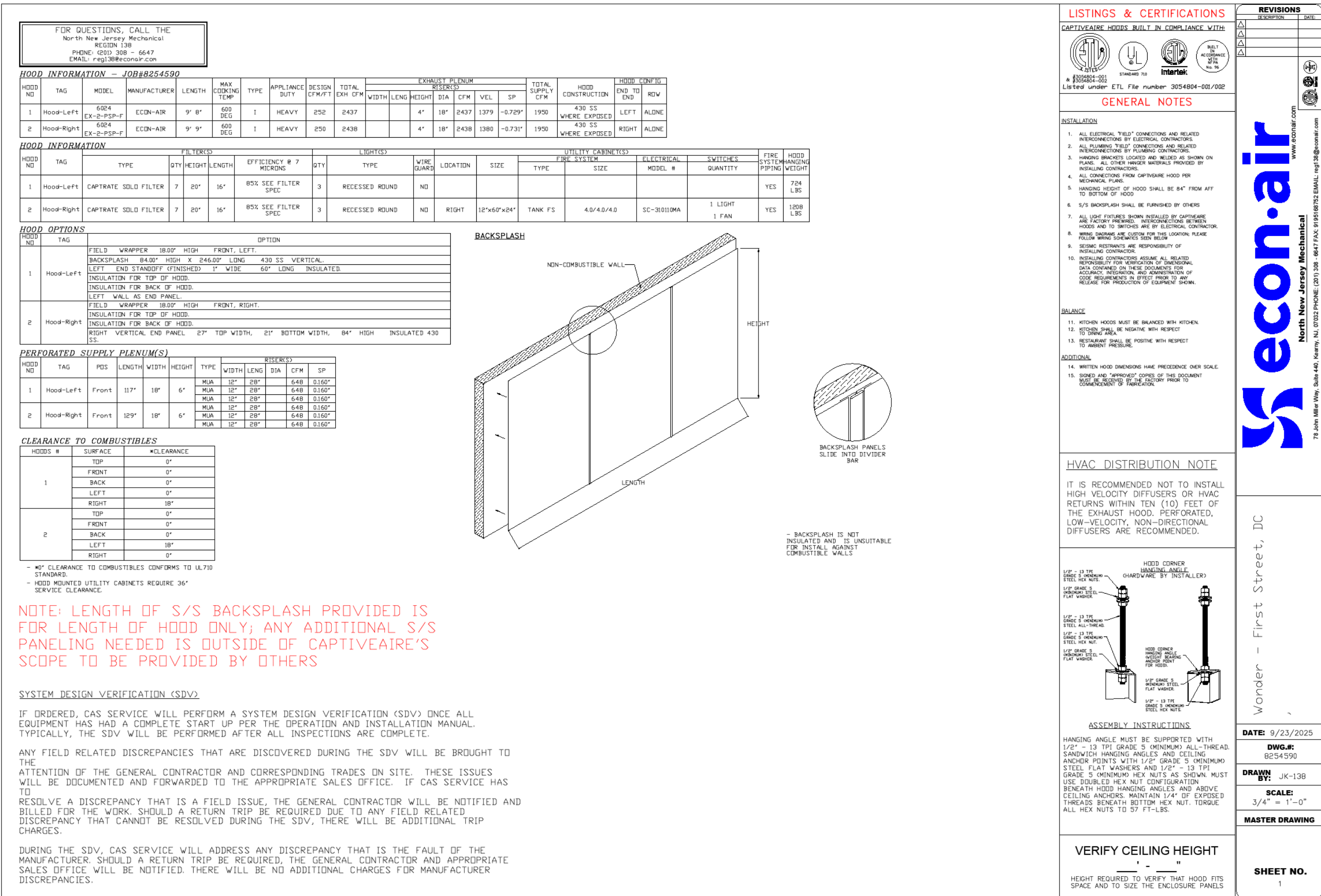
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MECHANICAL  
SCHEDULES

—SHEET  
NUMBER  
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CONSULTANTS

NY ENGINEERS

NEARBY ENGINEERS

382 NE 191ST STREET, SUITE 49674  
MIAMI, FL 33179  
PH - (646) 878-9217  
WWW.NY-ENGINEERS.COM

| NO. | DATE       | DESCRIPTION       |
|-----|------------|-------------------|
| 0   | 10/08/2025 | ISSUE FOR PERMIT  |
| 1   | 11/25/2025 | BUILDING COMMENTS |

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CHECKED BY: NYE

—ARCH. PROJECT NO.: —

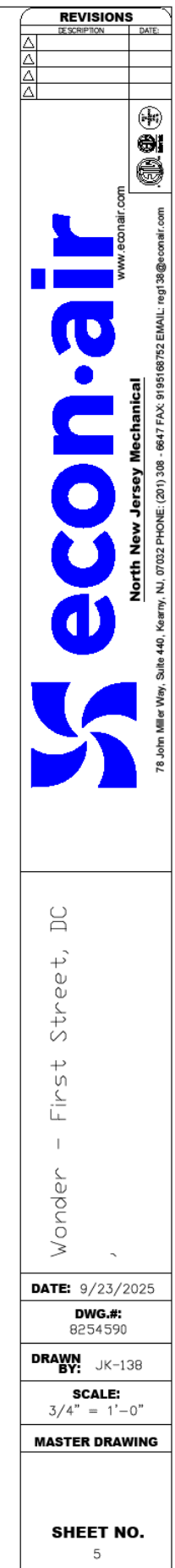
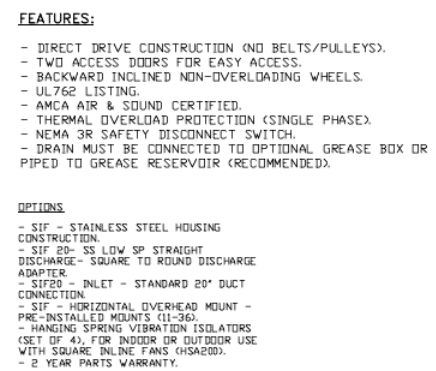
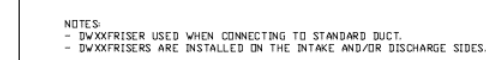
—SHEET NAME —

MECHANICAL HOOD SHEET

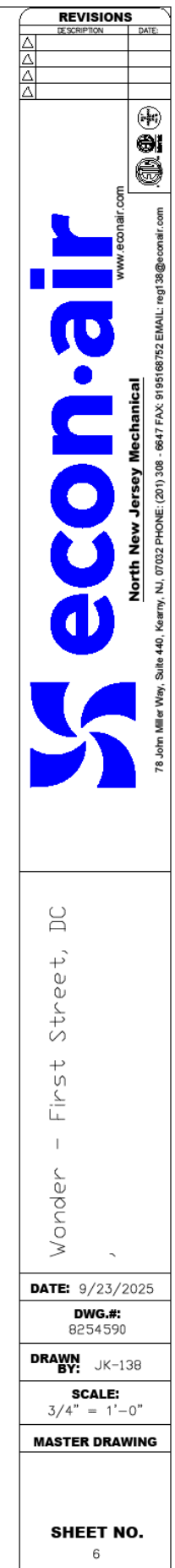
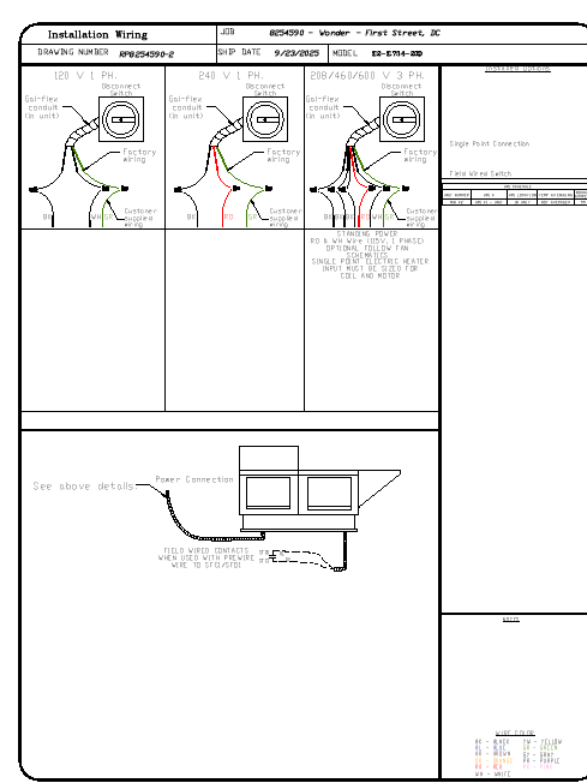
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MH101

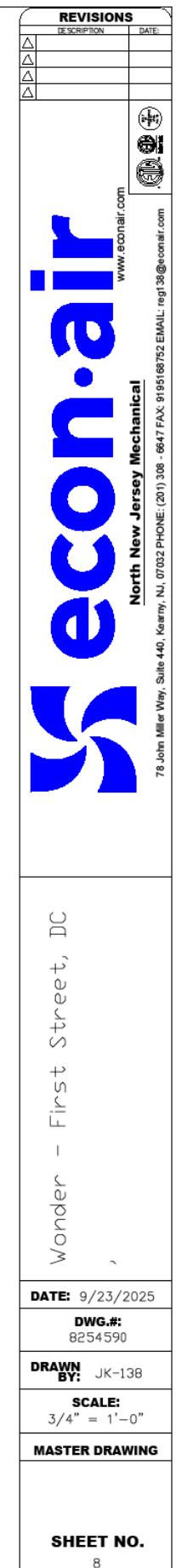




NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SHOWN STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AND OUTSIDE IN AREA PAST FLAT ON, WHEN USING RECTANGULAR OUTDOOR, (DOWN) MUST BE SIZED TO MATCH DISCHARGE BACK WITH TURNING VANE. (FLAT) OUTDOOR AND SQUARE THROAT/SQUARE BACK (DOWN) SHOULD NOT BE USED ANY TRANSMISSION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL INHIBITALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE

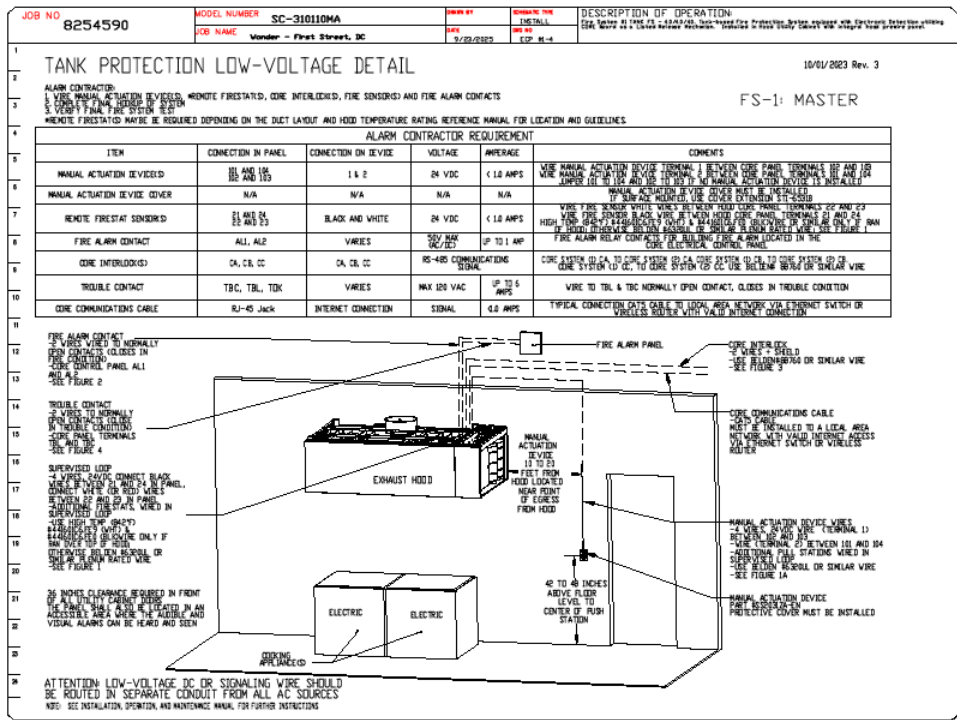
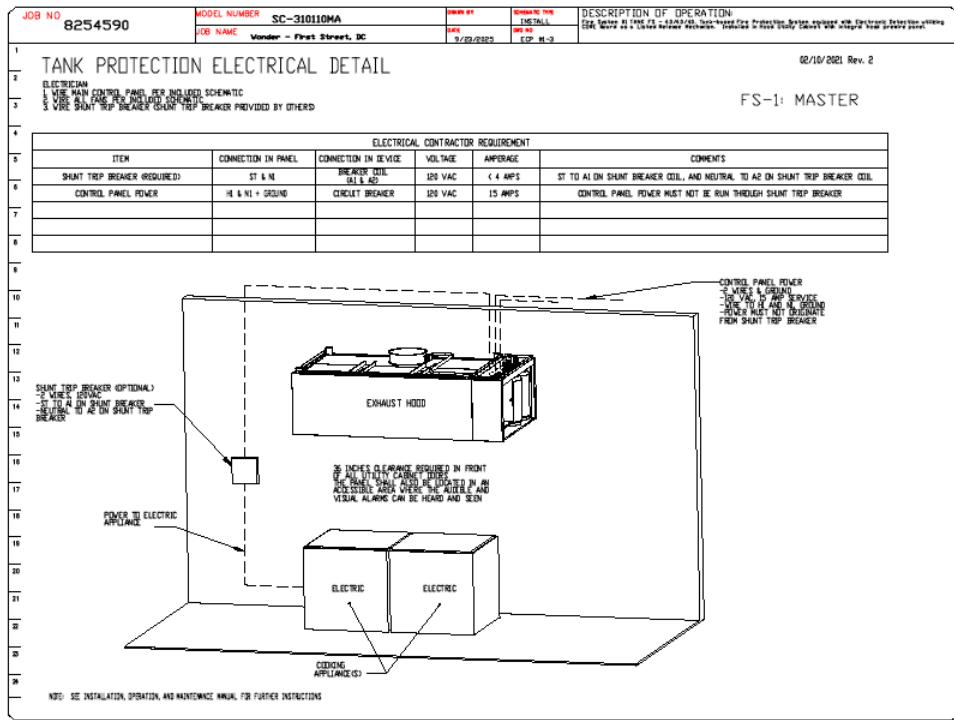


| <br><b>North Jersey Mechanical</b><br>79 John Henry Pkwy, Suite 440, Newark, NJ 07102-3001<br>973-681-7777 • Fax 973-681-7778 • Email: info@econair.com |      | <b>REVISIONS</b><br><table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> | NO. | DATE | DESCRIPTION |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| NO.                                                                                                                                                                                                                                          | DATE | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Wonder - First Street, DC                                                                                                                                                                                                                    |      | <b>DATE:</b> 5/25/2025<br><b>DWG#:</b> 802-4500<br><b>DRAWN BY:</b> JKC-130<br><b>SCALE:</b> 3/4" = 1'-0"<br><b>MASTER DRAWING</b>                                                                                                                                                                                                                                                                                                                                                                                         |     |      |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>SHEET NO.</b>                                                                                                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

NUMBER MH102

MH102







North Miami Beach, FL 33162

7700 South Dixie Highway, Suite 100, North Miami Beach, FL 33162

Vander - First Street, DC

DATE: 9/23/2025

DWG: 8254590

DRAWN BY: JK-158

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 3

CONSULTANTS

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CHECKED BY: NYE  
ARCH. PROJECT NO.:  
CDR25024.0  
DESIGN ID: D3-S1-A9.E3  
SHEET NAME

MECHANICAL HOOD SHEET

SHEET NUMBER  
MH103



| ELECTRICAL SYMBOLS LEGEND              |                                          |                                      | ABBREVIATIONS |                                  |        |                        |
|----------------------------------------|------------------------------------------|--------------------------------------|---------------|----------------------------------|--------|------------------------|
| FUSED DISCONNECT                       | QUAD DATA TELEPHONE FLOOR                | CIRCUIT CONCEALED IN WALL OR CEILING | A.F.F.        | ABOVE FINISHED FLOOR             | NL     | NIGHT LIGHT            |
| NON-FUSED DISCONNECT                   | DATA / TELEPHONE BOX                     | CIRCUIT EXPOSED                      | AHU           | AIR HANDLER UNIT                 | NTS    | NOT TO SCALE           |
| JUNCTION BOX WALL / CEILING            | SWITCH, SINGLE POLE TOGGLE               | LOW VOLTAGE 2 CIRCUIT WIRE           | CLG.          | CEILING                          | P.O.S. | POINT OF SALE          |
| SIMPLEX RECEPTACLE                     | SWITCH, 3-WAY TOGGLE                     | EXIT FIXTURE, CEILING / WALL MOUNTED | C.B.          | CIRCUIT BREAKER                  | PWR    | POWER                  |
| DUPLEX RECEPTACLE                      | SWITCH, OCCUPANCY SENSOR                 | EMERGENCY FIXTURE                    | CKT           | CIRCUIT                          | RL     | RELOCATED              |
| DUPLEX CEILING                         | HORSEPOWER RATED MANUAL MOTOR STARTER    | HIGHBAY FIXTURE                      | CU            | CONDENSING UNIT                  | RTU    | ROOF TOP UNIT          |
| DUPLEX CEILING ISOLATED GROUND         | SWITCH, OCCUPANCY SENSOR CEILING MOUTNED | STRIP FIXTURE                        | EX            | EXISTING TO REMAIN               | T/C    | TIMECLOCK              |
| ISOLATED GROUND RECEPTACLE             | SWITCH, OCCUPANCY SENSOR WALL MOUNTED    | 2X4 TROFFER FIXTURE                  | EF            | EXHAUST FAN                      | TYP    | TYPICAL                |
| GFCI RECEPTACLE                        | PUSH BUTTON                              |                                      | EM            | EMERGENCY                        | U.N.O. | UNLESS NOTED OTHERWISE |
| GFCI WP RECEPTACLE                     | PHOTOCELL                                |                                      | FA            | FIRE ALARM                       | WP     | WEATHER PROOF          |
| DUPLEX WALL ISOLATED GROUND GFCI       | BUZZER                                   |                                      | FACP          | FIRE ALARM CONTROL PANEL         | XFMR   | TRANSFORMER            |
| QUAD WALL ISOLATED GROUND              | KEYPAD                                   |                                      | FLA           | FULL LOAD AMPS                   | HD     | HAND DRYER             |
| QUAD WALL                              | SECURITY CAMERA                          |                                      | G.            | GROUND                           |        |                        |
| NEMA SPECIALTY RECEPTACLE              | BULLET CAMERA                            |                                      | GFI           | GROUND FAULT CIRCUIT INTERRUPTER |        |                        |
| DUPLEX WALL HORIZONTAL ISOLATED GROUND | SPEAKER                                  |                                      | HP            | HORSEPOWER                       |        |                        |
| DUPLEX WALL HORIZONTAL                 | FIRE ALARM PULL STATION                  |                                      | IG            | ISOLATED GROUND                  |        |                        |
| QUAD CEILING                           | FIRE ALARM, WALL MOUNT STROBE            |                                      | LL            | LANDLORD                         |        |                        |
| FLOOR DUPLEX                           | FIRE ALARM, CEILING MOUNT STROBE         |                                      | LTG           | LIGHTING                         |        |                        |
| DUPLEX FLOOR ISOLATED GROUND           | FIRE ALARM ANNUNCIATOR PANEL             |                                      | MCA           | MINIMUM CIRCUIT AMPACITY         |        |                        |
| QUAD FLOOR                             | FIRE ALARM CONTROL PANEL                 |                                      | MOCP          | MAXIMUM OVERCURRENT PROTECTION   |        |                        |
| DUPLEX DATA FLOOR                      | POWER POLE                               |                                      | N.I.C.        | NOT IN CONTRACT                  |        |                        |

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON PLANS

WORK IN EXISTING BUILDINGS

A. EXISTING CONDITIONS: DOCUMENT THE EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. COMMENCEMENT OF WORK INDICATES CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS. PROTECT EXISTING TO REMAIN CONSTRUCTION FROM DAMAGE. REPAIR DAMAGE CAUSED BY CONTRACTOR IN THE EXECUTION OF THE WORK.

B. COORDINATION: ARRANGE TO SHUT OFF UTILITIES WITH UTILITY COMPANIES. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.

C. UTILITIES: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. MAINTAIN UTILITIES FOR FIRE PROTECTION SERVICES DURING SELECTIVE DEMOLITION OPERATIONS.

D. UTILITY AND SERVICES INTERRUPTIONS: DO NOT INTERRUPT UTILITIES AND SERVICES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED, PLANNED AND SCHEDULED WITH PARTIES INVOLVED. PROVIDE BACKUP UTILITIES AND SERVICES FOR CRITICAL FUNCTIONING AREAS DEFINED IN THE CONTRACT DOCUMENTS.

E. NOISE, VIBRATION, AND ODORS: COORDINATE OPERATIONS THAT MAY RESULT IN HIGH LEVELS OF NOISE AND VIBRATION, ODORS, OR OTHER DISRUPTION TO OWNER OCCUPANCY WITH OWNER.

F. DEMOLITION: PERFORM DEMOLITION WORK AS INDICATED IN THE CONTRACT DOCUMENTS. INCLUDE CHARGES AND FEES FOR DISPOSAL OF WASTE IN BID PRICE. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.

G. FLAME-CUTTING OPERATIONS: MAINTAIN WORK AREA CLEAR OF FLAMMABLE MATERIALS. PROVIDE FIRE SUPPRESSION DEVICES AND PROVIDE FIRE WATCH DURING SUCH OPERATIONS.

H. HAZARDOUS MATERIALS: EXCEPT AS OTHERWISE ADDRESSED IN THE CONTRACT DOCUMENTS, HAZARDOUS MATERIALS ARE NOT ANTICIPATED AND ARE NOT EXPECTED TO BE ENCOUNTERED IN THE WORK. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; CEASE WORK AND IMMEDIATELY NOTIFY ENGINEER.

J. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS.

K. EXISTING WARRANTIES: REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING SELECTIVE DEMOLITION BY METHODS AND WITH MATERIALS AND USING APPROVED CONTRACTORS SO AS NOT TO VOID EXISTING WARRANTIES. CONFER WITH OWNER AS TO THOSE ITEMS WITH EXISTING WARRANTIES.

L. SYSTEMS AND EQUIPMENT NOT SHOWN: CONTACT THE ENGINEER FOR DIRECTION ON THE DISPOSITION OF THOSE ITEMS.

GENERAL NOTES

- FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR, FOR A COMPLETE INSTALLATION IN ALL RESPECTS, READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NESC, STATE, AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS. PAY ALL NECESSARY FEES AND PERMITS.
  - NO CIRCUITRY SHALL BE ALLOWED TO BE ROUTED ACROSS THE ROOF OR THE EXTERIOR SIDE OF THE EXTERIOR WALLS.
  - ALL EQUIPMENT SHALL BE UL LISTED WHERE APPLICABLE.
- CONTRACTOR SHALL VERIFY ALL WALL FINISH THICKNESSES BEFORE INSTALLING BOXES. FURNISH AND INSTALL EXTENDED BOXES OR BOX EXTENDERS WHERE REQUIRED.
- CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER KNOCKOUTS PROPERLY COVERED AND THAT ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
- PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS:
  - FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING.
  - NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.
  - FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM SEALANT.
- EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
- PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT, POWER CIRCUITS, ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
- WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY:
  - SWITCHES +48"
  - RECEPTACLES +18"
  - VOICE/DATA +18"
- WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD IDENTIFICATION SCHEDULES FOR PANELBOARDS AFFECTED BY REMODEL.
- NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTIVE DEVICES.
- BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
- WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
- SUPPORTS FROM STRUCTURE: NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS.
- DEVICES SHOWN ON COOLER/FREEZER PANELS SHALL BE SURFACE MOUNTED UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DOCUMENTS FOR CONDUIT INSTALLATION AND SEALING REQUIREMENTS.
- ONLY FEEDER CIRCUITS NOTED ON THE ONE LINE DIAGRAM AND BRANCH CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB. ALL OTHER FEEDER AND BRANCH CIRCUITS SHALL BE INSTALLED OVERHEAD. PROVIDE EXTERIOR COATED GRC BENDS ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER. REF SPECIFICATIONS.
- SEISMIC ZONE REQUIREMENTS: PROVIDE EXPANSION COUPLINGS AND BRACING FOR ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL CODES.
- EXISTING ELECTRICAL AND ALARM:
  - WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWORK CIRCUITRY, AS REQUIRED, TO MAINTAIN EXISTING OPERATION.
  - IF DEMOLITION OR NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE, PARKING LOT LIGHTING CIRCUITRY, ETC.) PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO REROUTE, SLEEVE, OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR EXISTING OPERATION.
  - EXERCISE CAUTION AROUND ALARM AND SECURITY CABLES DURING DEMOLITION AND CONSTRUCTION. PROTECT ALARM AND SECURITY CABLES FROM ACCIDENTAL DAMAGE SO THAT SYSTEMS REMAIN OPERATIONAL AT ALL TIMES.
  - DISPOSE OF ALL REMOVED MATERIALS, UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL DEMOLITION:
  - GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT CONDUIT, AND CONDUCTORS AS INDICATED ON THE DRAWINGS. OR ONLY AS REQUIRED BY DEMOLITION. REMOVE ALL PANELBOARDS, DISCONNECT SWITCHES, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC., WHICH WILL NOT BE REUSED.

—CONSULTANTS—

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DRAWN BY

CHECKED BY

—ARCH. PROJECT NO.: —

CDR25024.0

DESIGN ID: D3-S1-A9.E3

—SHEET NAME —

ELECTRICAL  
SYMBOLS, NOTES,  
SPECIFICATIONS

—SHEET  
NUMBER

E001



| LIGHT FIXTURE SCHEDULE |                              |                                                         |                                                                                  |         |         |                |
|------------------------|------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------|---------|---------|----------------|
| TYPE MARK              | MANUFACTURER                 | CATALOG NUMBER                                          | DESCRIPTION                                                                      | VOLTAGE | WATTAGE | MOUNTING       |
| EF                     | LITHONIA LIGHTING            | HGX LED 2RH ALO 40K 120 MO WH M2                        | MOTION DETECTION FLOOD LIGHT                                                     | 120     | 25.0    | SURFACE        |
| EG                     | SURE LITES                   | APWR2                                                   | EGRESS LIGHT                                                                     | 120     | 0.7     | SURFACE        |
| EL-1                   | SURE LITES                   | APCH7R                                                  | EXIT SIGN (SINGLE FACE)                                                          | 120     | 0.8     | CEILING / WALL |
| EL-2                   | SURE LITES                   | APC7R                                                   | EXIT SIGN (DOUBLE FACE WITH DIRECTIONAL SIGN)                                    | 120     | 3.0     | SURFACE        |
| EM2                    | RADIUS SERIES                | MRD-WL-IHB-LED                                          | LED BUGEYE FIXTURE                                                               | 120     | 3.0     | CEILING / WALL |
| F1                     | TOPAZ                        | PL24-50WPCTS-D                                          | 24IN X 24IN DROP IN                                                              | 120     | 30.0    | CEILING / WALL |
| F1-EM                  | TOPAZ                        | PL22-30WPCTS-D; BEL5/120-27TV-92                        | 24IN X 24IN DROP IN (EMERGENCY)                                                  | 120     | 30.0    | CEILING / WALL |
| F1E                    | TOPAZ                        | PL22-35WPCTS-D; BEL5/120-27TV-92                        | 2X2 LED EMERGENCY                                                                | 120     | 30.0    | RECESSED       |
| F2                     | ENVISION LED                 | LED-SL-PNL-6R-14W-5CCT-0/10V-WH                         | 6" DIAMETER RECESSED LED DOWNLIGHT                                               | 120     | 14.0    | CEILING / WALL |
| F2 EM                  | ENVISION LED                 | LED-SL-PNL-6R-14W-5CCT-0/10V-WH-LED-EMB-15W-HV-0/10V-2P | RECESSED CAN, 6" (EMERGENCY)                                                     | 120     | 14.0    | CEILING / WALL |
| F2-EM                  | ENVISION LED                 | LED-SL-PNL-6R-14W-5CCT-0/10V-WH-LED-EMB-15W-HV-0/10V-2P | 6" DIAMETER RECESSED LED DOWNLIGHT WITH EMERGENCY BATTERY BACKUP                 | 120     | 14.0    | RECESSED       |
| F3                     | JUNO                         | IC1 LED (G4 06LM) MVOLT ZT10                            | 4" DIAMETER RECESSED LED DOWNLIGHT                                               | 120     | 11.5    | RECESSED       |
| F5                     | HUDSON VALLEY LIGHTING GROUP | 1508-AGB                                                | DECORATIVE LED PENDANT                                                           | 120     | 75.0    | PENDANT        |
| F6 ALT                 | CEDAR & MOSS                 | AMELIE ROD 6" PENDANT, BRASS                            | FOH HANGING PENDANT- DOME, 6"                                                    | 120     | 50.0    | PENDANT        |
| F7                     | CEDAR & MOSS                 | PEARL                                                   | ROUND WALL SCONCE                                                                | 120     | 5.0     | SURFACE        |
| F12                    | VISUAL COMFORT               | MODERN BAR LIGHT MEDIUM, SLO1011TXB-L1                  | EXTERIOR WALL MOUNTED GOOSENECK                                                  | 120     | 9.0     | WALL MOUNT     |
| F13                    | LITHONIA                     | PROVIDED BY WALK-IN VENDOR                              | 4' LINEAR VAPOR-TIGHT FIXTURE (PROVIDED BY WALK-IN VENDOR AND INSTALLED BY E.C.) | 120     | 30.0    | SURFACE        |
| F14                    | RBW                          | COPIA SCONCE; CO-WS-S22-AA04-27-1_10V_UNV-IP20          | WALL SCONCE                                                                      | 120     | 30.0    | WALL MOUNT     |
| WP                     | RAB                          | SLIM-12-W                                               | SLIM-12-W                                                                        | 120     | 12.0    | SURFACE        |

- GENERAL NOTES
1. BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT(EMERGENCY LIGHT/EXIT SIGN WITH SELF-CONTAINED RECHARGEABLE BATTERY) SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY SWITCHED.

2. ALL LIGHT SWITCHES SHALL BE MOUNTED AT 48" AFF.

3. COORDINATE WITH ARCHITECTURAL SHEETS FOR EXACT LIGHT FIXTURE LOCATIONS.

4. E.C. SHALL PROVIDE UNISTRUT AND ALL OTHER ASSOCIATED HARDWARE AS NEEDED TO SUSPEND AND SUPPORT LIGHT FIXTURES WHERE APPLICABLE.

5. G.C. TO VERIFY FINAL ELECTRICAL REQUIREMENTS OF ALL EXTERIOR SIGNAGE PRIOR TO ROUGH IN.

- LIGHTING DEMO NOTES
1. EXISTING SITE AND EXTERIOR BUILDING MOUNTED LIGHTING AND EMERGENCY LIGHTING IS EXISTING TO REMAIN.

2. EXISTING INTERIOR LIGHTING FIXTURES AND CONTROLS TO BE DEMOLISHED.

| KEYNOTES |                                                                                                                                                                                               |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26.02    | SEAL LIGHTING FIXTURES AT CEILING TO MAINTAIN COOLER/FREEZER TEMPERATURE UTILIZE SILICONE CAULK.                                                                                              |
| 26.03    | CONNECT EXIT SIGNS AND EMERGENCY BALLASTS TO THE UNSWITCHED LEG OF THE CIRCUIT.                                                                                                               |
| 26.10    | SWITCH BANK LOCATION FOR LIGHTS. REFERENCE DETAIL 3/E101. E.C. SHALL LABEL EACH SWITCH FOR THE LIGHTS IN CONTROL. SWITCHES SHALL BE PILOT LIGHT TYPE.                                         |
| 26.17    | INTERMATIC ET2725C ASTRONOMIC TIMECLOCK. REF DETAIL 1/E501 FOR ADDITIONAL SCOPE OF WORK.                                                                                                      |
| 26.23    | PROVIDE 120V CONNECTION FOR SIGN. FIELD COORDINATE EXACT CONNECTION REQUIREMENTS AND LOCATION WITH G.C./SIGN INSTALLER. PROVIDE DISCONNECTING MEANS AS REQUIRED. CONTROLLED VIA TIMECLOCK.    |
| 26.44    | LOCATION OF LIGHTING CONTACTOR CABINET. REFERENCE DETAIL 1/E501 FOR ADDITIONAL INFORMATION.                                                                                                   |
| 26.45    | E.C. TO PROVIDE AND INSTALL WALL MOUNT VACANCY SENSOR(LEVITON ODS15-TD OR APPROVED EQUAL) FOR RESTROOM LIGHTING FIXTURES. VACANCY SENSOR SHALL BE SET TO TURN OFF AT NO MORE THAN 20 MINUTES. |
| 26.46    | PROVIDE RECEPTACLES WITHIN 18" ABOVE THE TOP OF THE SHOW WINDOW. RECEPTACLES ARE TO BE CONTROLLED BY L.C..                                                                                    |

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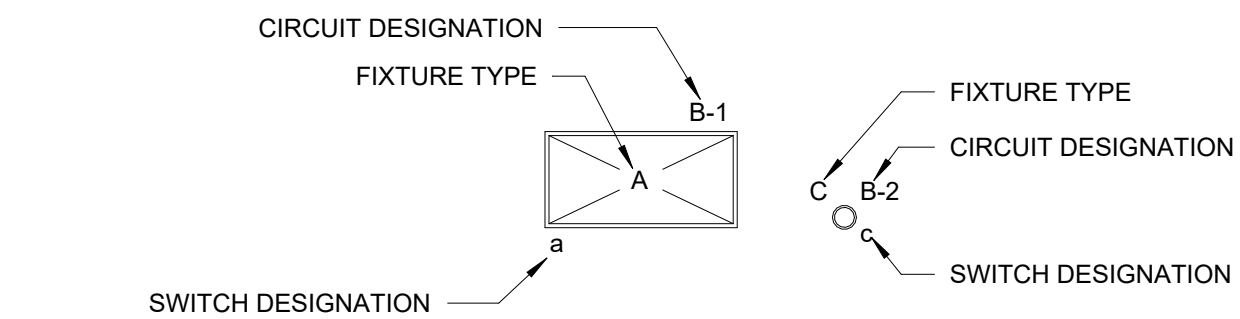
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LIGHTING PLAN

SHEET NUMBER

E101

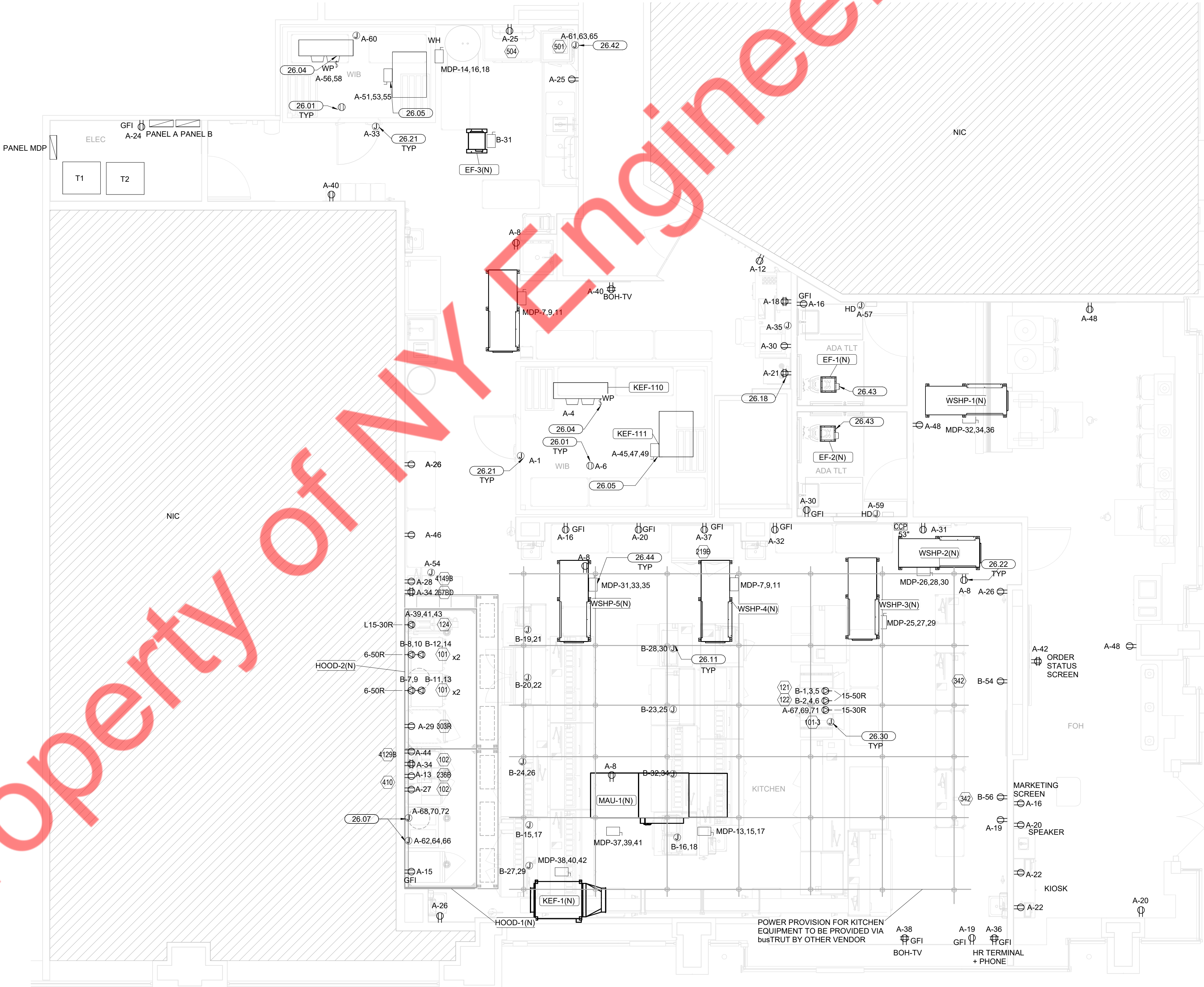


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| GENERAL NOTES |                                                                                                                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.            | E.C. TO REFERENCE CAPTIVE AIRE DRAWINGS FOR ADDITIONAL SCOPE OF WORK.                                                                                                                                                                              |
| 2.            | ALL WIRING IS COPPER. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.                                                                                                                                                               |
| 3.            | ALL WALL MOUNTED RECEPTACLES SHALL BE RECESSED AND MOUNTED AT 18" AFF ON CENTER UNLESS NOTED OTHERWISE. REFER TO SHEET E112 FOR MOUNTING HEIGHTS.                                                                                                  |
| 4.            | SEE SPECIFICATIONS ON SHEET E901 FOR CORRECT COLOR COMBINATIONS OF RECEPTACLES ON PAINTED WALLS.                                                                                                                                                   |
| 5.            | CONDUITS THAT ARE EXPOSED TO WIDELY DIFFERENT TEMPERATURES, SUCH AS COOLERS, FREEZERS OR SERVICE ENTRANCE CONDUCTORS, SHALL BE SEALED TO PREVENT CIRCULATION OF AIR AND/OR MOISTURE. REF NEC 300.7(A).                                             |
| 6.            | E.C. SHALL PERMANENTLY AFFIX LABEL TO EACH OUTLET INDICATING CIRCUIT DESIGNATION.                                                                                                                                                                  |
| 7.            | E.C. TO REFER TO SHEET E120 FOR ADDITIONAL RECEPTACLE LOCATIONS.                                                                                                                                                                                   |
| 8.            | E.C. TO REFER TO BUSSTRUT DRAWINGS FOR ADDITIONAL SCOPE OF WORK.                                                                                                                                                                                   |
| 9.            | REFERENCE ARCHITECTURAL LOW VOLTAGE PLAN FOR LOW VOLTAGE EQUIPMENT SCHEDULE.                                                                                                                                                                       |
| 10.           | ALL RECEPTACLES SHALL BE CONTROLLED IN ACCORDANCE WITH ASHRAE STANDARD 90.1, SECTION 8.4.2. PROVIDE AUTOMATIC CONTROL AS REQUIRED.                                                                                                                 |
| 11.           | E.C. SHALL ENSURE THAT ALL FEEDERS AND BRANCH CIRCUITS ARE INSTALLED TO LIMIT VOLTAGE DROP IN ACCORDANCE WITH ASHRAE 90.1, SECTION 8.4.1. THE VOLTAGE DROP FROM THE SOURCE TO ANY LOAD SHALL NOT EXCEED 3% FOR BRANCH CIRCUITS AND 5% FOR FEEDERS. |

| KEYNOTES |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26.01    | ELECTRICAL CONTRACTOR TO INSTALL ALL WIRING IN THIS AREA ABOVE WALK-IN COOLER AND POKE DOWN INTO ALL ELECTRICAL FIXTURES SO THAT THERE IS NO EXPOSED PIPING ON CEILING OF WALK-IN COOLER. ANY PENETRATION THAT GOES THROUGH COOLER CEILING OR WALL SHALL BE SEALED WITH SILICONE CAULK SEALANT AT TOP AND BOTTOM.                                                                                                            |
| 26.04    | DISCONNECT SWITCHES FOR ALL EVAPORATOR UNITS IN WALK-IN'S ARE SUPPLIED, INSTALLED, AND WIRED BY THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL VERIFY FINAL LOCATION OF EVAPORATORS AND SPECIFICATIONS PRIOR TO COMMENCING WORK. SWITCHES SHALL BE WATER PROOF 20AMP/2P MOTOR RATED SNAP SWITCHES. ALL SWITCHES AND OUTLETS SHALL BE MOUNTED AT THE CEILING OF THE WALK-IN. REFERENCE DETAIL 2/E501 FOR ADDITIONAL INFORMATION. |
| 26.05    | EQUIPMENT FURNISHED WITH NON-FUSED DISCONNECT IN A NEMA-3R WEATHERPROOF ENCLOSURE. E.C. SHALL MAKE ELECTRICAL CONNECTIONS.                                                                                                                                                                                                                                                                                                   |
| 26.07    | JUNCTION BOX FOR FRYERS. E.C. TO PROVIDE LFMC CONNECTION TO FRYER.                                                                                                                                                                                                                                                                                                                                                           |
| 26.11    | E.C. TO MAKE FINAL ELECTRICAL CONNECTIONS TO BUSSTRUT SYSTEM. E.C. TO REFER TO BUSS TRUT PLANS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                                   |
| 26.18    | CONTRACTOR SHALL PROVIDE RACEWAY OR ROUGH INS AS NEEDED TO EXTEND NEW IT SERVICE TO OFFICE. COORDINATE REQUIREMENTS WITH OWNER AND IT SERVICE PROVIDER.                                                                                                                                                                                                                                                                      |
| 26.21    | ELECTRICAL REQUIREMENTS FOR WALK-IN DOOR ARE SUPPLIED, INSTALLED, AND WIRED BY THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL VERIFY FINAL LOCATION OF REQUIRED ELECTRICAL AND SPECIFICATIONS PRIOR TO COMMENCING WORK.                                                                                                                                                                                                         |
| 26.22    | E.C. TO PROVIDE WP/WR GFI RECEPTACLE. E.C. SHALL MAKE ELECTRICAL CONNECTIONS.                                                                                                                                                                                                                                                                                                                                                |
| 26.30    | G.C. TO PROVIDE AND INSTALL DROP CORD RECEPTACLES FOR EQUIPMENT. DROP CORD RECEPTACLES SHALL TERMINATE IN A JUNCTION BOX ABOVE THE ACCESSIBLE CEILING.                                                                                                                                                                                                                                                                       |
| 26.42    | E.C. TO PROVIDE AND INSTALL LITTLE FUSE SHOCKBLOCK SB5060-02X-0 CLASS A GFCI DEVICE FOR DISHWASHER. LITTLE FUSE SHOCKBLOCK SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION ABOVE PANELBOARD SERVING EQUIPMENT. E.C. TO PROVIDE LFMC CONNECTION TO DISHWASHER.                                                                                                                                                            |
| 26.43    | INTERLOCK FAN WITH RESTROOM LIGHT.                                                                                                                                                                                                                                                                                                                                                                                           |
| 26.44    | THE DISCONNECT SWITCHES FOR THE BRANCH CIRCUIT SHOWN ON THE PLAN SHALL BE RATED EQUAL TO OR HIGHER THAN THE BREAKER RATING. REFER TO BREAKER RATING IN THE PANEL SCHEDULE AND PROVIDE DISCONNECT AS NEEDED.                                                                                                                                                                                                                  |
| 26.45    | PROVIDE SERVICE RECEPTACLE FOR MAINTENACE WITHIN 25FT OF MECHANICAL UNIT.                                                                                                                                                                                                                                                                                                                                                    |



1 POWER PLAN  
1/4" = 1'-0"

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POWER PLAN

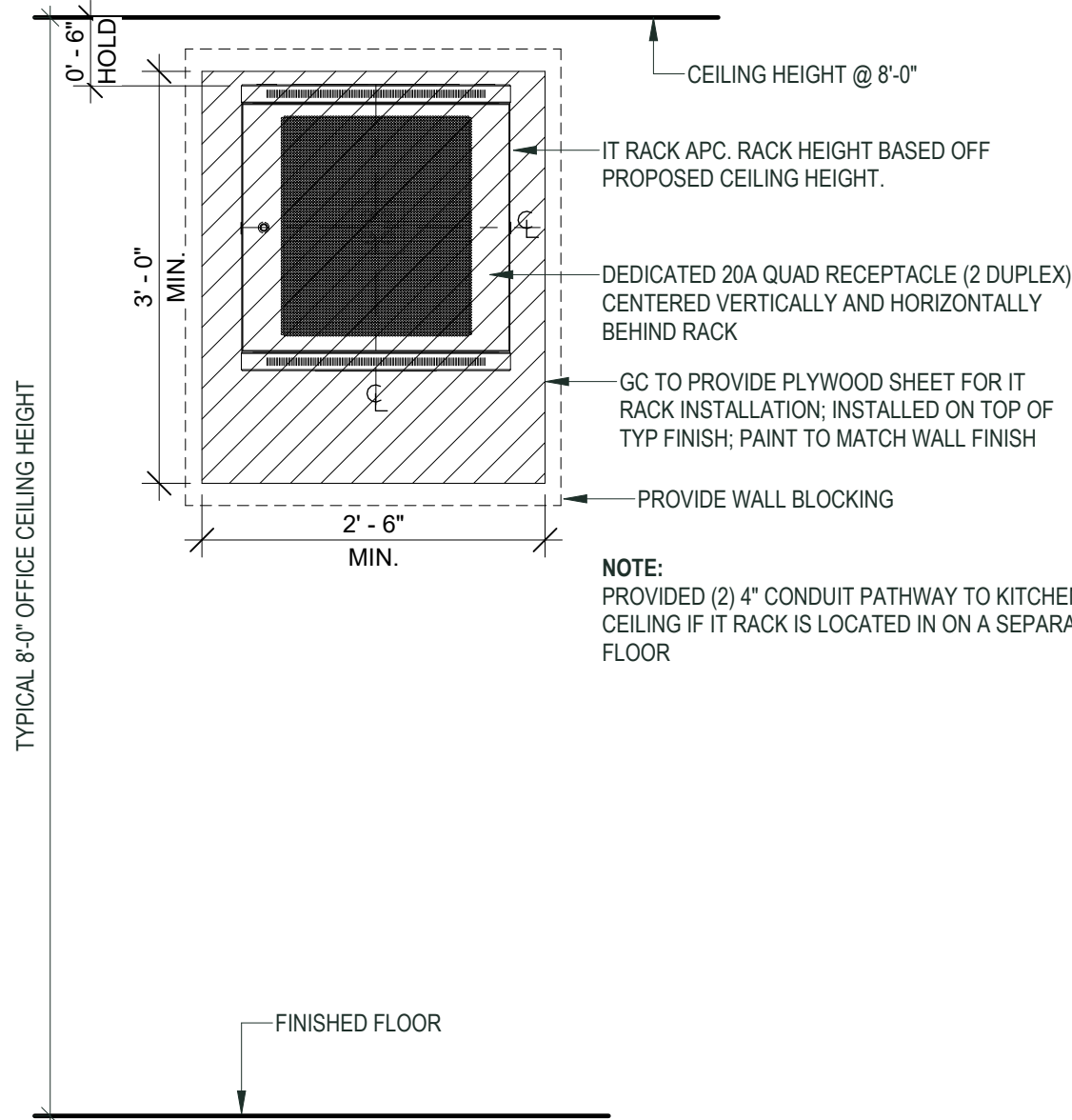
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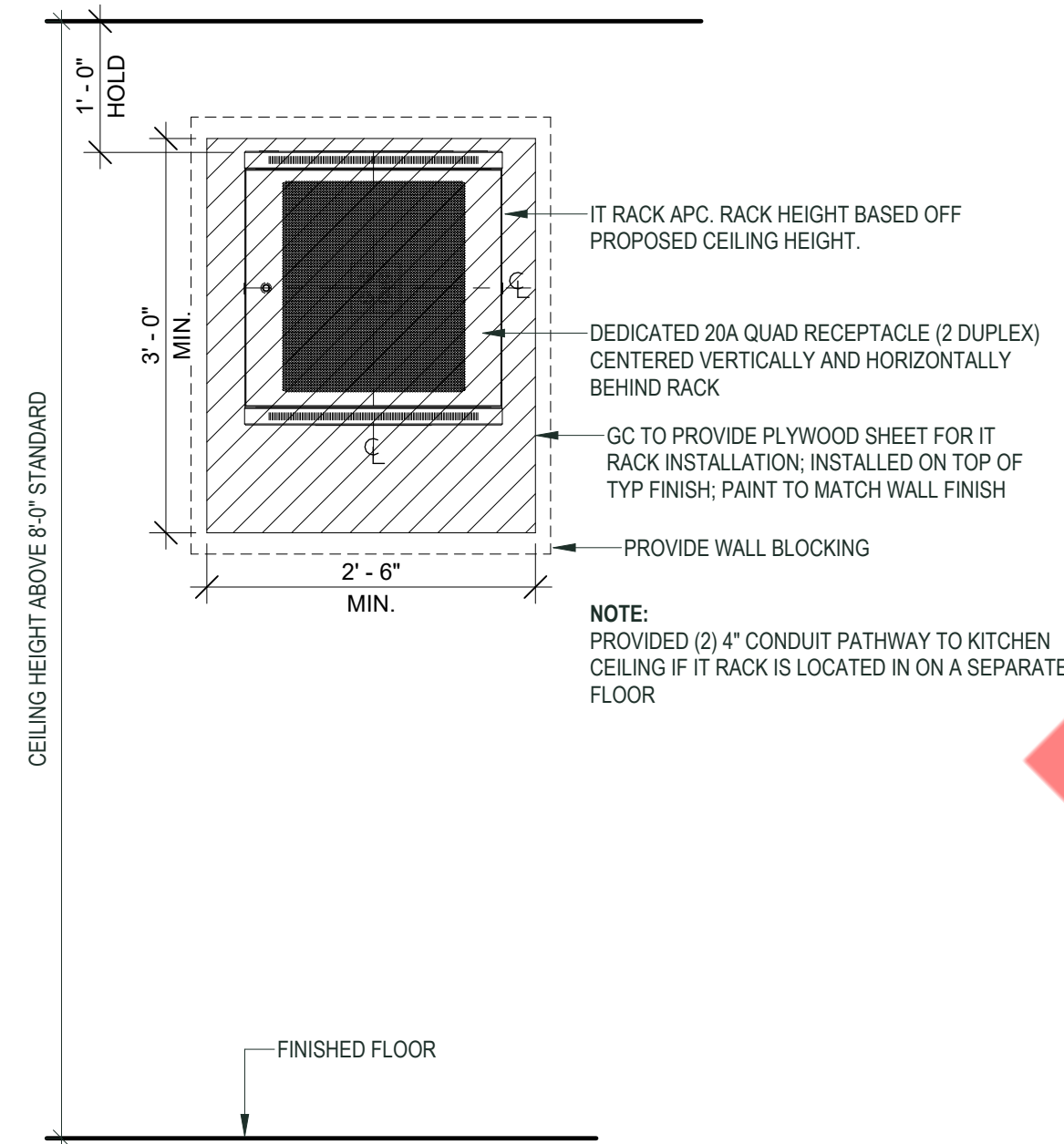






3 IT RACK WITH 8FT CEILING  
NTS

| GENERAL NOTES |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.            | E.C. TO REFERENCE CAPTIVE AIR DRAWINGS, MECHANICAL PLANS AND SUBMITTALS FOR ADDITIONAL SCOPE OF WORK.                                                                                                                                                                                                                                                                                                                            |
| 2.            | LABELS SHALL BE PROVIDED ON BOTH ENDS OF ALL LOW VOLTAGE CABLES AND OUTLETS.                                                                                                                                                                                                                                                                                                                                                     |
| 3.            | EC IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS REQUIRED BETWEEN WALK IN COOLER/FREEZER EVAPORATORS AND CONDENSERS                                                                                                                                                                                                                                                                                                                 |
| 4.            | ALL CONDUIT BENDS CONTAINING DATA CABLES SHALL BE LONG SWEEPS, NO 90 DEGREE BENDS.                                                                                                                                                                                                                                                                                                                                               |
| 5.            | SHALL PROVIDE CONDUIT FROM LOW VOLTAGE DEVICE LOCATIONS IN WALL TO 6" ABOVE ACCESSIBLE CEILING. CONDUIT SHALL TERMINATE IN BUSHING.                                                                                                                                                                                                                                                                                              |
| 6.            | E.C. IS RESPONSIBLE FOR ALL LOW VOLTAGE ROUGH INS, JUNCTION BOXES AND CONDUITS FOR LOW VOLTAGE DEVICES. LOW VOLTAGE CABLES TO BE PROVIDED AND INSTALLED BY LOW VOLTAGE VENDOR.                                                                                                                                                                                                                                                   |
| 7.            | LOW VOLTAGE VENDOR SHALL COORDINATE WITH BUSSTRUT DRAWINGS FOR LOW VOLTAGE CABLE RUNS AND DEVICES MOUNTED ONTO BUSSTRUT.                                                                                                                                                                                                                                                                                                         |
| 8.            | DATA:<br>A. LOW VOLTAGE VENDOR TO RUN ALL CABLES ABOVE CEILING, THROUGH WALL AND CONDUIT<br>B. ALL WIRES, CONNECTIONS AND TERMINATIONS ARE TO BE TESTED AND CERTIFIED PRIOR TO ARRIVAL OF POS EQUIPMENT.<br>C. ALL CONNECTIONS ARE TO BE HOME RUN TERMINAL TO TERMINAL WIRE SPLICING WILL NOT BE ACCEPTABLE<br>D. E.C. TO PROVIDE CONDUITS FOR LOW VOLTAGE SHOWN ON PLANS                                                        |
| 9.            | SPEAKERS:<br>A. LOW VOLTAGE VENDOR TO RUN ALL CABLES ABOVE CEILING, THROUGH WALL AND CONDUIT<br>B. ALL SPEAKER COMPONENTS AND FINAL CONNECTIONS TO BE PROVIDED BY OTHERS<br>C. E.C. TO PROVIDE CONDUITS FOR LOW VOLTAGE SHOWN ON PLANS                                                                                                                                                                                           |
| 10.           | CAMERA SYSTEM:<br>A. LOW VOLTAGE VENDOR TO RUN ALL CABLES ABOVE CEILING, THROUGH WALL AND CONDUIT<br>B. ALL CAMERA WIRE RUNS ARE TO BE HOME RUNS TO OFFICE AS INDICATED ON WIRING DIAGRAMS<br>C. ALL CAMERA SYSTEM COMPONENTS AND FINAL CONNECTIONS TO BE PROVIDED BY OTHERS.<br>D. E.C. TO PROVIDE CONDUITS FOR LOW VOLTAGE SHOWN ON PLANS<br>E. G.C. TO PROVIDE RACEWAY AND 1"C FOR INTERIOR AND EXTERIOR CAMERA PENETRATIONS. |
| 11.           | REFERENCE ARCHITECTURAL LOW VOLTAGE PLAN FOR LOW VOLTAGE EQUIPMENT SCHEDULE.                                                                                                                                                                                                                                                                                                                                                     |

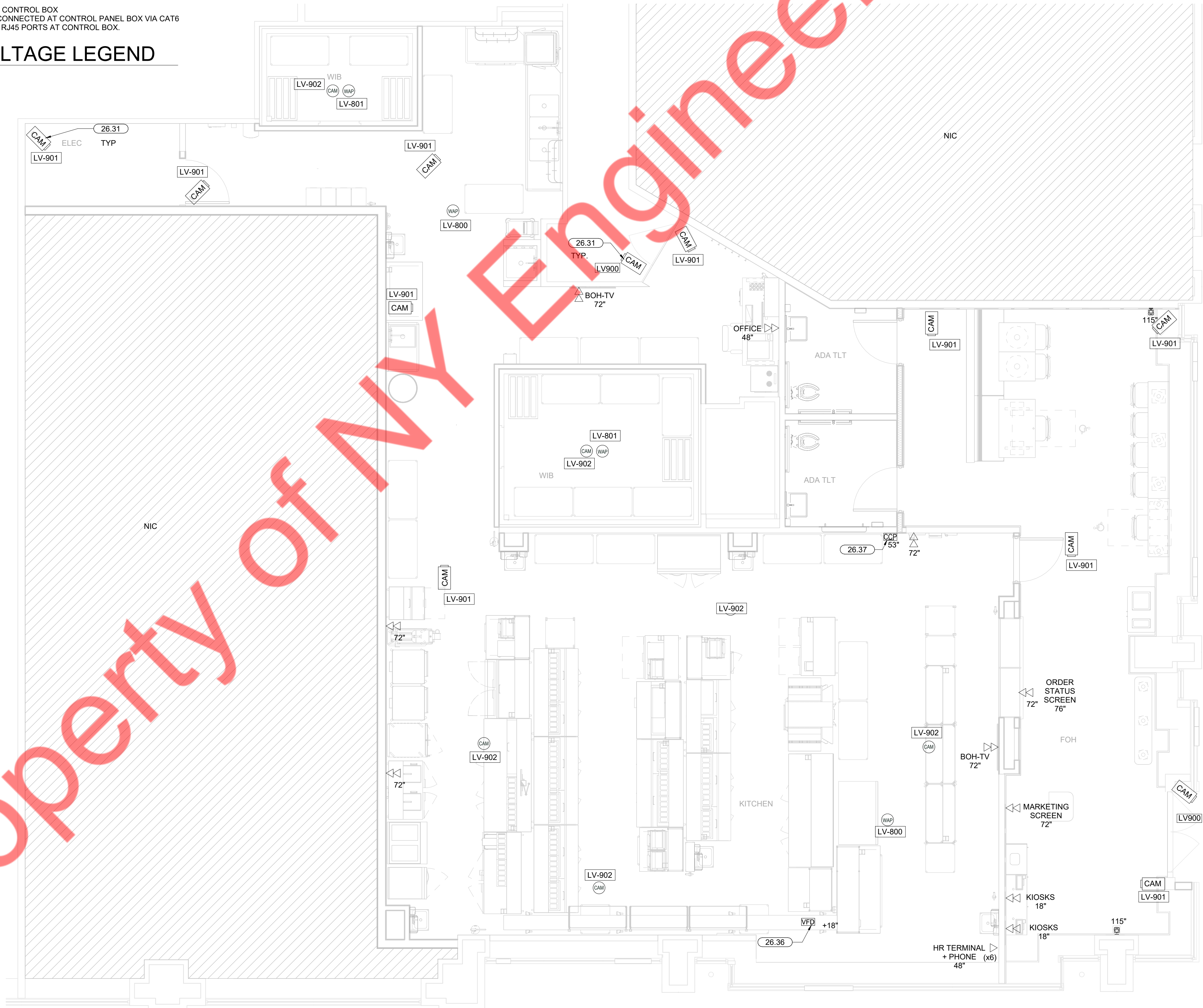


4 IT RACK WITH 8FT+ CEILING  
NTS

|     |        |                                                                                                                                                                                                                                    |
|-----|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WAP | LV-XXX | WIRELESS ACCESS POINT<br>EQUIPMENT TAG. REFER TO LOW VOLTAGE EQUIPMENT SCHEDULE                                                                                                                                                    |
| CAM | LV-XXX | CAMERA, FISHEYE<br>EQUIPMENT TAG. REFER TO LOW VOLTAGE EQUIPMENT SCHEDULE                                                                                                                                                          |
| CAM | LV-XXX | CAMERA, FIXED MOUNT<br>EQUIPMENT TAG. REFER TO LOW VOLTAGE EQUIPMENT SCHEDULE                                                                                                                                                      |
|     |        | SPEAKER - CEILING MOUNTED RECEPTACLE<br>REFER TO LOW VOLTAGE EQUIPMENT SCHEDULE                                                                                                                                                    |
| VFD |        | VFD ASSEMBLY DRIVING CONVEYOR MOTOR AND SENSOR INPUTS.<br>POWER: 6FT CORD W/ NEMA 5-15 PLUG. POWERED FROM DEDICATED BUSSTRUT POWER DROP- 500W MAX<br>DATA: 1X RJ45 FEMALE PORT, CONNECTED TO VFD PATCH PANEL WITH CAT6 PATCH PANEL |
| CCP | +53"   | CONVEYOR CONTROL BOX<br>VFDs ARE CONNECTED AT CONTROL PANEL BOX VIA CAT6 CABLES; 10 RJ45 PORTS AT CONTROL BOX.                                                                                                                     |
| 2   | NTS    | LOW VOLTAGE LEGEND                                                                                                                                                                                                                 |

| KEYNOTES |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26.31    | G.C. TO PROVIDE RACEWAY AND 1"C FOR CAMERA PENETRATIONS. TYPICAL FOR INTERIOR AND EXTERIOR CAMERAS.                                                                                                                                                                                                                                                                                                                                                          |
| 26.36    | E.C. TO PROVIDE A CENTRAL JUNCTION BOX FOR VFDs' LOW VOLTAGE. E.C. TO INSTALL 2"C ABOVE BUSSTRUT TO ABOVE CEILING WITH PULL STRING. LOW VOLTAGE VENDOR SHALL RUN CAT6 PATCH CABLE LESS THAN 15FT FROM VFDs TO JUNCTION BOX. LOW VOLTAGE VENDOR TO RUN CAT6 CABLES FROM CENTRAL VFD LOW VOLTAGE TO CONVEYER CONTROL PANEL THROUGH BUSSTRUT DATA DROPS. ETHERNET SHALL BE WIRED TO THE CONVEYOR CONTROL BOX. COORDINATE WITH BUSSTRUT DRAWINGS FOR CABLE RUNS. |
| 26.37    | E.C. TO PROVIDE A TWO GANG BOX FOR CONVEYOR CONTROL PANEL LOW VOLTAGE. E.C. TO EXTEND 2"C ABOVE ACCESSIBLE CEILING WITH PULL STRING. LOW VOLTAGE VENDOR SHALL PULL (1) CAT6 CABLES FROM CONVEYOR CONTROL PANEL TO EACH VFD. LOW VOLTAGE VENDOR SHALL PULL (1) CAT6 CABLES FROM IT CABINET TO CONVEYOR CONTROL PANEL FOR INTERNET CONNECTION. REMAINING 3 PORTS SHALL BE FOR FUTURE USE.                                                                      |

| DEMO NOTES                                                                                      |
|-------------------------------------------------------------------------------------------------|
| 1. EXISTING LOW VOLTAGE DEVICES TO BE REMOVED.                                                  |
| 2. EXISTING TELE/DATA SERVICE TO BE PRESERVED DURING DEMO FOR REUSE. RELOCATE DEMARK TO OFFICE. |



1 LOW VOLTAGE PLAN  
1/4" = 1'-0"

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SHEET NAME \_\_\_\_\_

LOW VOLTAGE PLAN

SHEET NUMBER

E120

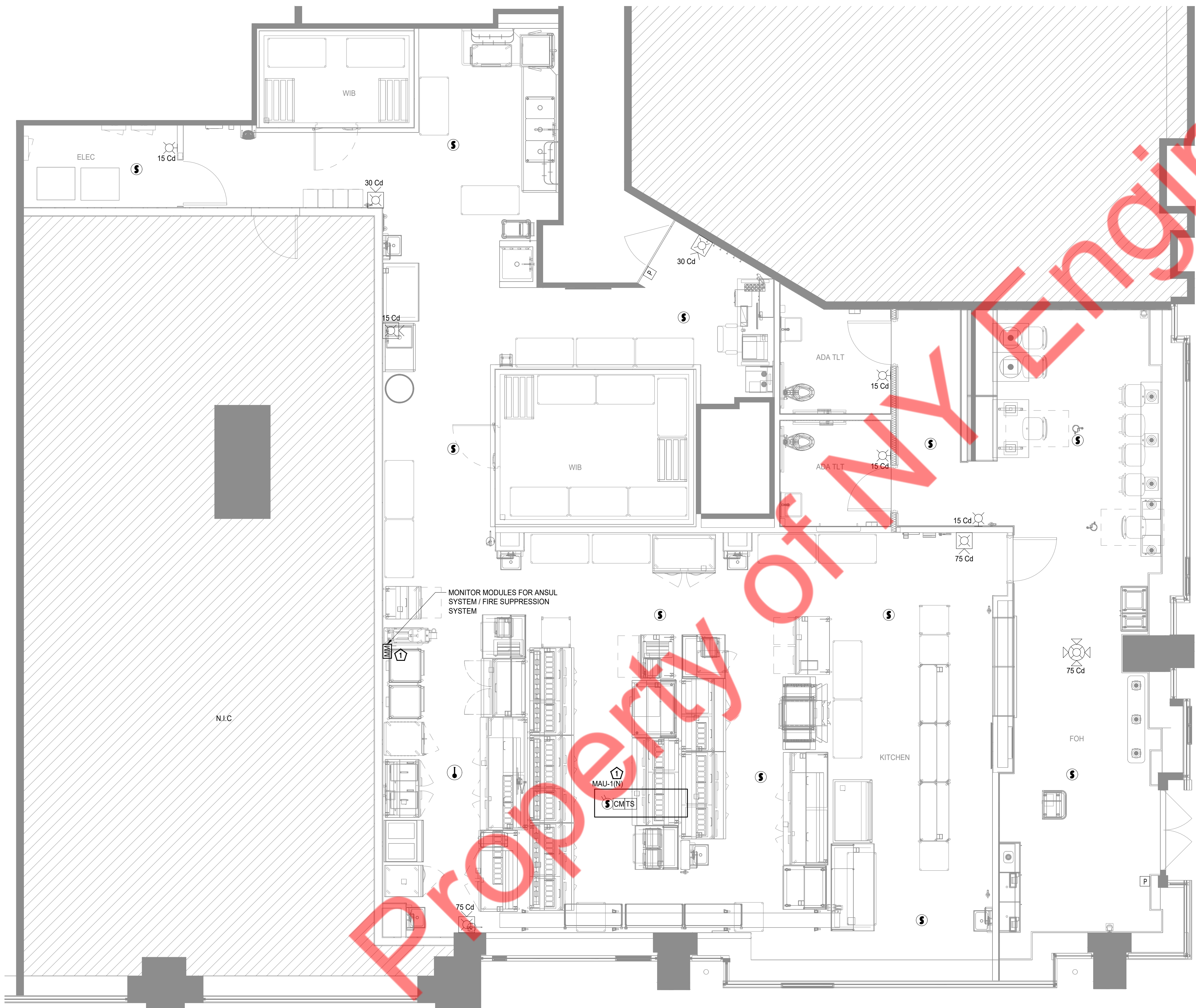


FIRE ALARM KEY NOTES

1. E.C. SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR THE EXACT LOCATION AND PROVIDE THE CONTROL MODULE / SENSOR AS REQUIRED FOR THE UNITS. BASE BID ACCORDINGLY.

FIRE ALARM GENERAL NOTES

- A. THE FIRE ALARM INSTALLATION SHALL BE DONE IN COMPLIANCE WITH THE NFPA 72, BUILDING CODE AND OTHER LOCAL CODES AS REQUIRED.
- B. CONTRACTOR SHALL VERIFY EXACT LOCATION, RATING, TYPE AND OPERABLE CONDITION OF ALL THE EXISTING FIRE ALARM DEVICES IN FIELD. THE FA DEVICES MARKED AS EXISTING (E) SHALL REMAIN CONNECTED TO THE EXISTING FA CIRCUIT. REPLACE OR RELOCATE THE EXISTING DEVICES WHERE EVER REQUIRED.
- C. ADD NEW DEVICES AS SHOWN ON THE PLAN AND CONNECT TO THE FACP. ALL THE FA DEVICES SHALL BE COMPATIBLE WITH THE FACP.
- D. ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE AND SYNCHRONIZED WITH THE FIRE ALARM CONTROL PANEL.
- E. COORDINATE WITH SPRINKLER DRAWINGS FOR EXACT LOCATION OF TAMPER SWITCH AND WATER FLOW SWITCH. PROVIDE MONITOR MODULE FOR BOTH AND CONNECT TO THE FACP.
- F. ALL SMOKE DETECTORS SHALL BE PLACED AT LEAST 3 FEET AWAY FROM WINDOWS, DOORS AND RETURN DUCT.
- G. PLACE ALL DUCT DETECTORS IN THE RETURN DUCT OF RTU.
- H. DUCT SMOKE DETECTORS, RELAY MODULE AND REMOTE TEST SWITCHES ARE NOT REQUIRED FOR THE FANS BELOW 2000 CFM. CONTRACTOR SHALL VERIFY CFM OF THE EXISTING HVAC UNITS IN FIELD AND PROVIDE THE ABOVE MENTIONED DEVICE IF REQUIRED.
- I. CONTRACTOR SHALL VERIFY THE EXACT NUMBER OF ZONE AND EXACT NUMBER OF DEVICES AVAILABLE IN THE EXISTING FACP. PRIOR TO BID. INFORM ENGINEER ON RECORD OF ANY DISCREPANCY.
- J. CONTRACTOR SHALL COORDINATE WITH LANDLORD/OWNER FOR THE EXACT LOCATION OF THE FACP IN THE FIELD. INFORM ENGINEER ON RECORD OF ANY DISCREPANCY.



1 FIRE ALARM PLAN  
1/4" = 1'-0"

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SHEET NAME

FIRE ALARM PLAN  
& NOTES

SHEET  
NUMBER

E121







EXISTING FIRE ALARM SOW NOTES

1. ENCORE FIRE PREFERRED FIRE ALARM INSTALLER TO BE PROTECTION (EPF). GC IS RESPONSIBLE FOR CONSULTING WITH EPF FOR FIRE ALARM/ANSUL SUPPRESSION PLANS AND FIRE EXTINGUISHER PURCHASING.

2. DEMOLISH ALL EXISTING FIRE ALARM DEVICES AND WIRING WITHIN TENANT SPACE. COORDINATE LANDLORD (LL) PANEL PROGRAMMING ASSOCIATED WITH REMOVAL OF DEVICES. PROVIDE NEW FIRE ALARM DEVICES AS SHOWN ON THE PLANS. COORDINATE WITH ALL NEW FINISH WORK AND NEW/RELOCATED LIGHTS AND AIR DIFFUSERS

3. CONTRACTOR SHALL COORDINATE TIE-IN OF TENANT FACP WITH THE LANDLORD (LL) PANEL FOR MONITORING PURPOSES AS REQUIRED BY THE LL

TYPE OF DESIGN

INSTALLATION OF MANUAL FIRE ALARM SYSTEM

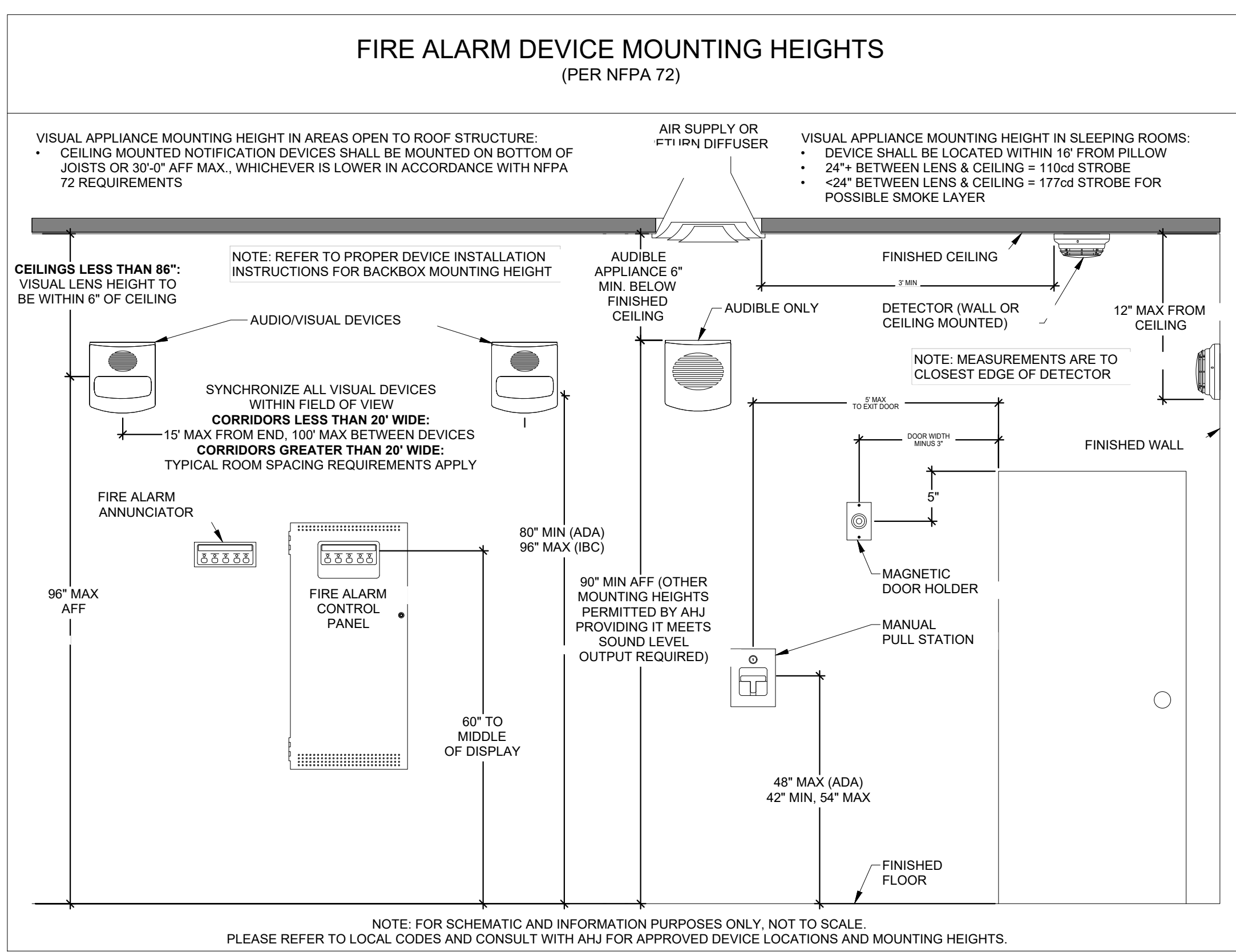
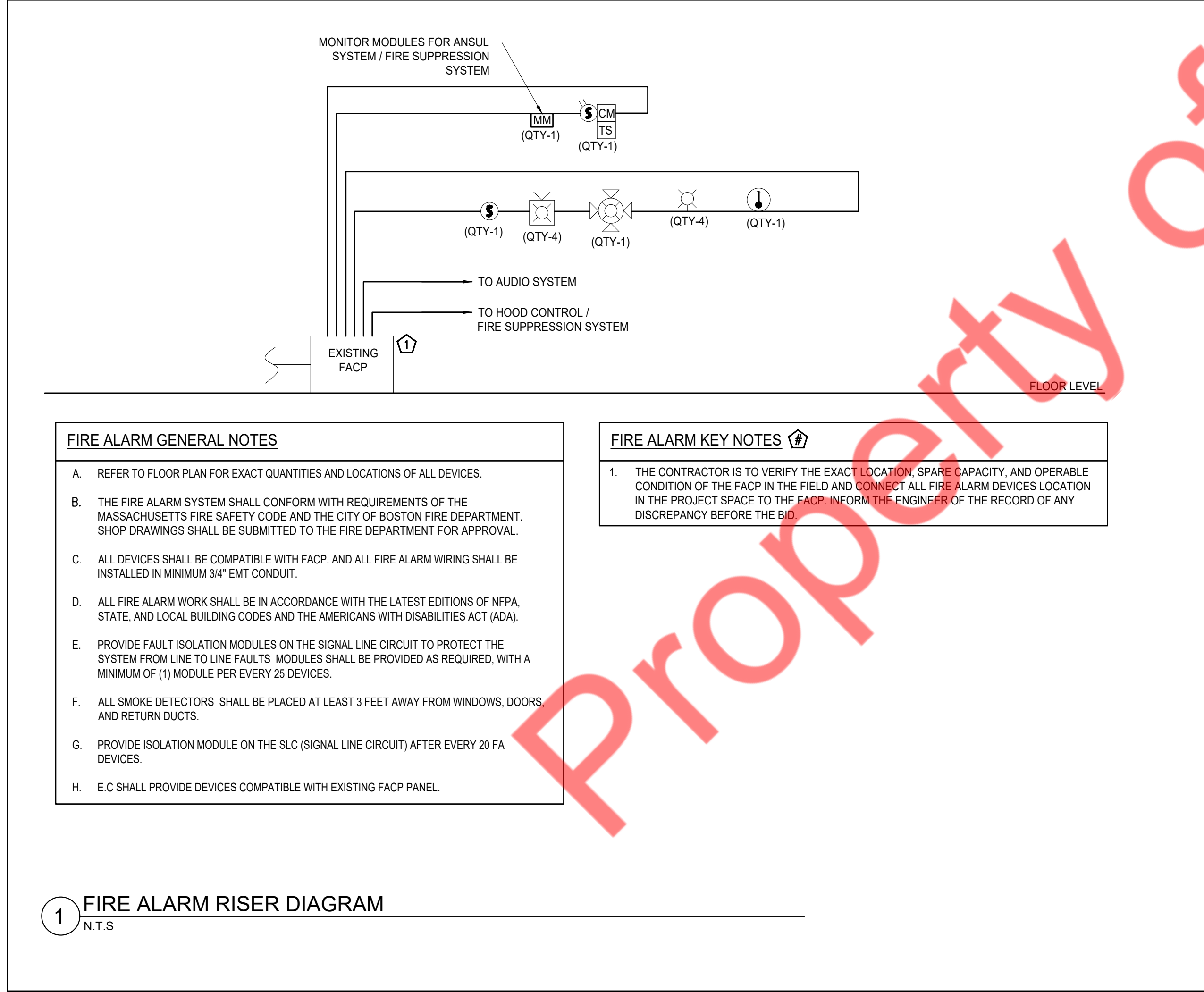
| FIRE ALARM WIRE SCHEDULE                                                                       |                                                                                                 |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| LINE TYPE                                                                                      | DESCRIPTION                                                                                     |
| — — — —                                                                                        | SIGNAL LINE CIRCUIT (SLC) TWISTED/SHIELDED PAIR 2C/#16, CLASS "A" WIRING PATHWAY (LOOP TO FACP) |
| — — — —                                                                                        | NOTIFICATION APPLIANCE CIRCUIT (NAC) 2C/#14, CLASS "B" WIRING PATHWAY (EOLR @ LAST DEVICE)      |
| →                                                                                              | REMOTE ANNUNCIATOR CIRCUIT 4C/#16 (REFERENCE MANUFACTURER'S DOCUMENTATION FOR WIRING TYPE)      |
| NOTES:                                                                                         |                                                                                                 |
| • LINE TYPE SHOWN ON FLOOR PLAN TO IDENTIFY WIRE TYPE (WIRE ROUTING MAY NOT BE SHOWN ON PLANS) |                                                                                                 |
| • ALL FIRE ALARM WIRING TO BE SOLID, POWER LIMITED CABLE                                       |                                                                                                 |
| • MINIMUM APPROVED WIRE GAUGE SHOWN                                                            |                                                                                                 |
| 2C= # OF CONDUCTORS #14= WIRE GAUGE                                                            |                                                                                                 |

| FIRE ALARM SYMBOL LEGEND |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| SYMBOL                   | DESCRIPTION (NOT ALL SYMBOLS MAY BE USED)                                           |
| FACP                     | ADDRESSABLE FIRE ALARM CONTROL PANEL<br>FIRE-LITE ES-50X w/50pt CAPACITY            |
| FAA                      | FIRE ALARM ANNUNCIATOR PANEL<br>FIRE-LITE ANN-80                                    |
| WM                       | WIRELESS COMMUNICATION MODULE<br>FIRE-LITE CELL-CAB                                 |
| P                        | PULL STATION WITH SAFETY COVER<br>FIRE-LITE BG-12LX                                 |
| S                        | SMOKE DETECTOR<br>FIRE-LITE SD365                                                   |
| H                        | HEAT DETECTOR FIRE-LITE H365<br>(R= RATE OF RISE, HT = HIGH TEMP)                   |
| SCM & TS                 | DUCT DETECTOR & TEST SWITCH w/LED<br>FIRE-LITE D355PL & RTS151KEY w/RA100Z          |
| CO                       | CARBON MONOXIDE DETECTOR<br>FIRE-LITE SD355CO                                       |
| MM OR CM                 | MONITOR MODULE OR CONTROL/RELAY MODULE<br>FIRE-LITE MMF-300 OR CRF-300              |
| KB                       | FIRE DEPARTMENT KNOX BOX COORDINATE TYPE<br>WITH LOCAL FIRE DEPARTMENT              |
| OR                       | STROBE ONLY, WALL OR CEILING MOUNT SYSTEM<br>SENSOR SL OR SCL                       |
| OR                       | SOUNDER/STROBE, WALL OR CEILING MOUNT SYSTEM<br>SENSOR P2L OR PC2L (EXTERIOR = P2K) |
| cd=CANDELA               | WP=WEATHER PROOF EOLR=END OF LINE RESISTOR                                          |

- FIRE ALARM INSTALLATION NOTES
- FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 72, NECA 1, AND LOCAL CODES AND REGULATIONS. ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
  - FIRE ALARM CONTROL PANEL (FACP) SHALL BE AN ADDRESSABLE, MODULAR, POWER-LIMITED DESIGN WITH ELECTRONIC MODULES. UL 864 LISTED, AND DESIGNED TO TRANSMIT ALARM, TROUBLE, AND SUPERVISORY SIGNALS TO A UL LISTED CENTRAL STATION THROUGH A DIGITAL ALARM COMMUNICATION TRANSMITTER CAPABLE OF TRANSMITTING SIGNALS VIA DEDICATED PHONE LINE AND/OR GSM/IP CONNECTIONS. COORDINATE REQUIREMENTS WITH THE AHJ.
  - PROVIDE 120 V AC POWER THROUGH A DEDICATED LOCKING BREAKER AT POWER PANEL, COLORED RED.
  - GROUND THE FACP AND ALL ASSOCIATED CIRCUITS. INSTALL #6 AWG GROUND WIRE FROM THE TELE-COMMUNICATIONS EQUIPMENT GROUNDING POINT TO THE FACP.
  - SYSTEM SHALL INCLUDE 24V DC POWER SYSTEM WITH SEALED LEAD CALCIUM BATTERIES AND AUTOMATIC BATTERY CHARGER IN ACCORDANCE WITH NFPA 72.
  - PROVIDE DUCT MOUNTED SMOKE DETECTORS (OR MONITOR/RELAY MODULES) FOR ROOF-TOP AIR HANDLING UNITS EXCEEDING 2,000 CFM. FOR UNIT SHUTDOWN, INSTALL PER MANUFACTURER'S RECOMMENDATIONS. UNITS SHALL TRANSMIT A SUPERVISORY SIGNAL TO THE FACP AND REMAIN SHUTDOWN UNTIL MANUALLY RESET. REFER TO MECHANICAL SHEETS FOR AIR HANDLING UNIT AND DUCTWORK LAYOUT AND DETAILS.
  - WIRE AND CABLE SHALL BE UL LISTED AND LABELED AS COMPLYING WITH NFPA 70, ARTICLE 760. NON-POWER-LIMITED V CIRCUITS TO BE SOLID-COPPER CONDUCTORS RATED 600, 75°C, COLOR-CODED INSULATION.
  - ALL FIRE ALARM CIRCUITRY SHALL BE PLENUM RATED. EXPOSED WIRES SHALL BE INSTALLED IN DEDICATED CONDUIT.
  - ATTIC SPACES AND SOLID JOIST CONSTRUCTION. IN LIEU OF SPOT HEAT DETECTION WITH REDUCED SPACING, CONTRACTOR MAY ELECT TO USE LINEAR HEAT DETECTION INSTALLED IN AN "S" PATTERN PER NFPA 72:17.3.6.4.
  - CONTRACTOR SHALL INSTALL HEAT DETECTORS WHEN AUTOMATIC DETECTION IS REQUIRED BY THE AHJ OR LOCAL CODE THROUGHOUT THE KITCHEN OR ADJACENT AREAS TO THE KITCHEN.
  - IF REQUIRED BY THE LOCAL AHJ, EMERGENCY RESPONDER RADIO COVERAGE PER IFC SECTION 510 SHALL BE COORDINATED/TESTED BY THE SYSTEM INSTALLER WITH THE LOCAL FIRE CODE OFFICIAL. IF SIGNAL STRENGTH FALLS BELOW 95% IN ANY AREA OF THE BUILDING, COORDINATE SIGNAL BOOSTING EQUIPMENT AND INSTALLATION WITH THE FIRE CODE OFFICIAL.

- FIRE ALARM GENERAL NOTES
- FIRE ALARM SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 70 & 72. SYSTEM SHALL MEET ALL APPLICABLE BUILDING/FIRE CODES AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ) AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
  - INFORMATION ON CONTRACT DOCUMENTS IS GENERALIZED AND FOR BIDDING PURPOSES ONLY. PERFORM CALCULATIONS AND COORDINATE WITH OTHER TRADES AS REQUIRED. DEVIATIONS FROM THE ENGINEER'S LAYOUT WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED & APPROVED.
  - PROVIDE ALL EQUIPMENT AND LABOR REQUIRED FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM INCLUDING (BUT NOT LIMITED TO) NOTIFICATION, INITIATION AND MONITORING DEVICES AS INDICATED ON THE DRAWINGS. DEVICES SHALL BE OF ONE MANUFACTURER AND LISTED FOR USE WITH THE FACP.
  - PROVIDE ADDITIONAL MATERIALS & LABOR REQUIRED DUE TO LACK OF COORDINATION OR TO MEET AHJ AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL OWNER COST.
  - FIRE ALARM CONTROL PANEL (FACP) AND REMOTE ANNUNCIATOR LOCATIONS SHOWN SHALL BE COORDINATED WITH THE FIRE DEPARTMENT AND AHJ PRIOR TO INSTALLATION.
  - PROVIDE KNOX BOX FOR FIRE DEPARTMENT ACCESS WITH TAMPER SWITCH MONITORING IF REQUIRED.
  - PROVIDE DEDICATED EXTERIOR WATERFLOW NOTIFICATION AS REQUIRED, COORDINATE TYPE AND LOCATION WITH AHJ.
  - INTERFACE WITH AND MONITOR ALL FIRE SUPPRESSION SYSTEM DEVICES INCLUDING (BUT NOT LIMITED TO) SPRINKLER FLOW/ TAMPER SWITCHES, HOOD AND/OR CANOPY SYSTEMS, ETC.
  - PROVIDE NOTIFICATION APPLIANCE CIRCUIT (NAC) PANELS TO POWER ADDITIONAL NOTIFICATION DEVICES AS REQUIRED.
  - AUDIBLE NOTIFICATION DEVICES SHALL SOUND UNTIL SILENCED AT THE CONTROL PANEL OR REMOTE ANNUNCIATOR AS REQUIRED. VISUAL ALARM IS DISPLAYED UNTIL DEVICE IS RETURNED TO ITS NORMAL POSITION OR SUPERVISORY CONDITION IS CLEARED.
  - IF REQUIRED BY THE LOCAL AHJ, EQUIPMENT DATA SHEETS AND BATTERY CALCULATIONS IN ACCEPTANCE WITH NFPA 72 SHALL BE PROVIDED BY THE FIRE ALARM SYSTEM MANUFACTURER/ INSTALLER TO MATCH EQUIPMENT TO BE INSTALLED.
  - TEST ALL SYSTEM DEVICES FOR PROPER OPERATION ACCORDING TO NFPA 72 IN THE PRESENCE OF THE AHJ AND OTHER OFFICIALS INSPECTING THE FIRE ALARM SYSTEM.
  - FORWARD COMPLETED NFPA 72 FIRE ALARM CERTIFICATE OF COMPLETION TO THE OWNER.
  - SYSTEM INSTALLER SHALL BE A LICENSED FIRE ALARM CONTRACTOR IN THE RESPECTIVE STATE OF THIS PROJECT.

| FIRE ALARM OPERATION MATRIX                                                                                                             |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|----------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------|--------------------------------------|-----------------------------------------|-----------------------------------------|--------------------------------|---------------------------------------|---------------------------------------------|-----------------------------------------|---------------------------------------------|------------------------------|-----------------------------|-----------------------------|--------------------------------|---------------|-----------------------------------------|
|                                                                                                                                         | SYSTEM OUTPUTS                         |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
|                                                                                                                                         | CONTROL UNIT ANNUNCIATION              |                               |                                              |                                     |                                          |                                 |                                      | NOTIFICATION                            |                                         |                                |                                       |                                             |                                         |                                             | REQUIRED FIRE SAFETY CONTROL |                             |                             | SUPPLEMENTARY                  |               |                                         |
|                                                                                                                                         | ACTIVATE COMMON ALARM SIGNAL INDICATOR | ACTIVATE AUDIBLE ALARM SIGNAL | ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR | ACTIVATE AUDIBLE SUPERVISORY SIGNAL | ACTIVATE COMMON TROUBLE SIGNAL INDICATOR | ACTIVATE AUDIBLE TROUBLE SIGNAL | ACTIVATE APPROPRIATE LOCATION SIGNAL | ACTIVATE ALL AUDIBLE EVACUATION SIGNALS | ACTIVATE ALL VISIBLE EVACUATION SIGNALS | DISPLAY/PRINT CHANGE OF STATUS | TRANSMIT ALARM TO SUPERVISING STATION | TRANSMIT SUPERVISORY TO SUPERVISING STATION | TRANSMIT TROUBLE TO SUPERVISING STATION | RELEASE MAGNETIC SMOKE DOORS & UNLOCK EXITS | CONTROL PROCESS AS REQUIRED  | CONTROL PROCESS AS REQUIRED | CONTROL PROCESS AS REQUIRED | REMOTELY DISPLAY ACTIVE STATUS | FAN SHUT DOWN | CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS |
| • FIRE ALARM SYSTEM SHALL BE A FULLY SUPERVISED PROTECTIVE PREMISES SYSTEM, OPERATING IN ACCORDANCE WITH NFPA 72. MANUAL RESET ONLY     |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| • INPUTS/OUTPUTS IN MATRIX DIAGRAM ARE FOR REFERENCE ONLY. NOT ALL INPUTS/OUTPUTS ARE SHOWN OR MAY BE USED                              |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| • FIRE ALARM AUDIO SIGNAL TO BE TEMPORAL 3 CODED. CARBON MONOXIDE AUDIO SIGNAL TO BE TEMPORAL 4 CODED                                   |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| • BUILDING SYSTEM PANEL (IF APPLICABLE) PANEL SHALL PROVIDE A GENERAL ALARM DRY CONTACT FOR MONITORING BY BUILDING SYSTEM CONTROL PANEL |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| SYSTEM INPUTS                                                                                                                           | A                                      | B                             | C                                            | D                                   | E                                        | F                               | G                                    | H                                       | I                                       | J                              | K                                     | L                                           | M                                       | N                                           | O                            | P                           | Q                           | R                              | S             | T                                       |
| 1 FIRE ALARM AC POWER FAILURE                                                                                                           |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| 2 FIRE ALARM LOW BATTERY                                                                                                                |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| 3 OPEN CIRCUIT                                                                                                                          |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| 4 GROUND FAULT                                                                                                                          |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| 5 NOTIFICATION CIRCUIT SHORT                                                                                                            |                                        |                               |                                              |                                     |                                          |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                |               |                                         |
| 6 MANUAL PULL STATION                                                                                                                   |                                        | ●                             | ●                                            |                                     |                                          |                                 | ●                                    | ●                                       | ●                                       | ●                              | ●                                     |                                             |                                         | ●                                           |                              |                             |                             |                                |               |                                         |
| 7 SMOKE DETECTOR                                                                                                                        |                                        |                               |                                              |                                     |                                          |                                 | ●                                    | ●                                       | ●                                       | ●                              | ●                                     |                                             |                                         | ●                                           |                              |                             |                             |                                |               |                                         |
| 8 HEAT DETECTOR                                                                                                                         |                                        |                               |                                              |                                     |                                          |                                 | ●                                    | ●                                       | ●                                       | ●                              | ●                                     |                                             |                                         | ●                                           |                              |                             |                             |                                |               |                                         |
| 9 DUCT DETECTOR                                                                                                                         |                                        |                               |                                              |                                     |                                          |                                 | ●                                    | ●                                       | ●                                       | ●                              | ●                                     |                                             |                                         | ●                                           |                              |                             |                             |                                |               |                                         |
| 10 ANSUL/FIRE SUPPRESSION SYSTEM                                                                                                        |                                        | ●                             | ●                                            |                                     | ●                                        |                                 |                                      |                                         |                                         |                                |                                       |                                             |                                         |                                             |                              |                             |                             |                                | ●             | ●                                       |



CONSULTANTS

NY ENGINEERS

NEARBY ENGINEERS

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MIAMI, FL 33179  
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| NO. | DATE       | DESCRIPTION       |
|-----|------------|-------------------|
| 0   | 10/08/2023 | ISSUE FOR PERMIT  |
| 1   | 11/25/2023 | BUILDING COMMENTS |

DRAWN BY NYE  
CHECKED BY NYE

ARCH. PROJECT NO.:

CDR25024.0 DESIGN ID: D3-51-AR-E3

SHEET NAME

FIRE ALARM DETAILS

SHEET NUMBER

E502



## GROUNDING ELECTRODE SYSTEM DETAIL

## ONE-LINE DIAGRAM

NY ENGINEERS

— SHEET —  
NUMBER

E601



**A**  
**LOCATION:** ELECTRICAL ROOM  
**SUPPLY FROM:** MDP  
**UPSTREAM OCPD:** 200 A  
**SERVES:** EQUIPMENT

**PANELBOARD**  
**NEW**

208/120V Wye, 3PH, 4W  
200A MCB  
65KAIC SERIES RATED  
SURFACE, NEMA 1  
GROUND BAR

| CKT | Circuit Description           | Wire | Trip | Poles | A    | B    | C    | Poles | Trip | Wire | Circuit Description | CKT              |                               |    |
|-----|-------------------------------|------|------|-------|------|------|------|-------|------|------|---------------------|------------------|-------------------------------|----|
| 1   | BOH LIGHTING(2,7)             | 12   | 20 A | 1     | 1.33 | 0.07 |      |       | 1    | 20 A | 12                  | RECIRC PUMP(2,7) | 2                             |    |
| 3   | FOH LIGHTING(2,7)             | 12   | 20 A | 1     |      | 0.61 | 0.19 |       |      | 1    | 20 A                | 12               | WIC EVAP                      | 4  |
| 5   | EXTERIOR BUILDING LTG (2,7)   | 12   | 20 A | 1     |      |      |      | 0.10  | 0.18 | 1    | 20 A                | 12               | WALK IN MAINTENANCE RCPT(4)   | 6  |
| 7   | EXTERIOR BUILDING LTG (2,7)   | 12   | 20 A | 1     | 0.02 | 0.18 |      |       |      | 1    | 20 A                | 12               | ROOFTOP RCPTS                 | 8  |
| 9   | EXTERIOR SIGNAGE (2,7)        | 12   | 20 A | 1     |      | 0.50 | 0.54 |       |      | 1    | 20 A                | 12               | FOH RCPTS                     | 10 |
| 11  | TIMECLOCK(2)                  | 12   | 20 A | 1     |      |      |      | 0.00  | 0.36 | 1    | 20 A                | 12               | ELECTRIC RM MAINTENCE RCPT    | 12 |
| 13  | #236B-REFRIG WORKTOP(4,8)     | 12   | 20 A | 1     | 0.26 | 0.36 |      |       |      | 1    | 20 A                | 12               | BOH RCPTS                     | 14 |
| 15  | #218BR-DUAL TEMP CAB(4,8)     | 12   | 20 A | 1     |      | 0.44 | 0.54 |       |      | 1    | 20 A                | 12               | DINING RECEPTS                | 16 |
| 17  | WATER DISPENSER (4)           | 12   | 20 A | 1     |      |      |      | 0.18  | 0.36 | 1    | 20 A                | 12               | OFFICE RECEPT                 | 18 |
| 19  | KITCHEN RCPTS (4)             | 12   | 20 A | 1     | 0.54 | 0.36 |      |       |      | 1    | 20 A                | 12               | LOBBY SPEAKERS                | 20 |
| 21  | IT RACK                       | 12   | 20 A | 1     |      | 0.36 | 0.72 |       |      | 1    | 20 A                | 12               | FOH COUNTER(4)                | 22 |
| 23  | MAINT. RCPT (4)               | 12   | 20 A | 1     |      |      |      | 0.18  | 0.54 | 1    | 20 A                | 12               | TRASH ROOM GEN OUTLETS        | 24 |
| 25  | #504-SOAK TANK (4)            | 12   | 20 A | 1     | 1.00 | 0.86 |      |       |      | 1    | 20 A                | 12               | KITCHEN GEN RCPTS(4)          | 26 |
| 27  | #102-THERMAL CIRCULATOR(4,8)  | 12   | 20 A | 1     |      | 1.80 | 0.24 |       |      | 1    | 20 A                | 12               | #267BD-MEGATOP (4,8)          | 28 |
| 29  | #303L-HOLDING CAB(4,8)        | 12   | 20 A | 1     |      |      |      | 2.29  | 0.50 | 1    | 20 A                | 12               | BOH GENERAL RCPTS             | 30 |
| 31  | CONVEYER BELT(4)              | 12   | 20 A | 1     | 0.36 | 0.54 |      |       |      | 1    | 20 A                | 12               | BOH RCPTS (4)                 | 32 |
| 33  | WALK IN DOOR PWR(2)           | 12   | 20 A | 1     |      | 1.00 | 0.72 |       |      | 1    | 20 A                | 12               | KDS MONITORS(4,8)             | 34 |
| 35  | FA CONTROL PANEL(3)           | 12   | 20 A | 1     |      |      |      | 0.50  | 0.36 | 1    | 20 A                | 12               | TERMINAL (4)                  | 36 |
| 37  | #219-DOUBLE DOOR FRIDGE(4)    | 12   | 20 A | 1     | 0.62 | 0.36 |      |       |      | 1    | 20 A                | 12               | METRICS TV (4)                | 38 |
| 39  | #124-DOUBLE SIDED GRILL (4,8) | 10   | 30 A | 3     |      | 2.88 | 0.36 |       |      | 1    | 20 A                | 12               | BREAKROOM TV (4)              | 40 |
| 41  | --                            | --   | --   | --    |      |      |      | 2.88  | 0.72 | 1    | 20 A                | 12               | FOH TV                        | 42 |
| 43  | --                            | --   | --   | --    | 2.88 | 1.80 |      |       |      | 1    | 20 A                | 12               | #102- THERMAL CIRCULATOR(4,8) | 44 |
| 45  | WIC CONDENSER                 | 12   | 20 A | 3     |      | 2.25 | 0.36 |       |      | 1    | 20 A                | 12               | KITCHEN RCPTS (4)             | 46 |
| 47  | --                            | --   | --   | --    |      |      |      | 2.25  | 0.36 | 1    | 20 A                | 12               | FOH RCPTS                     | 48 |
| 49  | --                            | --   | --   | --    | 2.25 | 0.00 |      |       |      | 1    | 20 A                |                  | SPARE                         | 50 |
| 51  | WIF CONDENSER                 | 12   | 20 A | 3     |      | 2.03 | 0.04 |       |      | 1    | 20 A                | 12               | FLY LIGHT (4)                 | 52 |
| 53  | --                            | --   | --   | --    |      |      |      | 2.03  | 1.40 | 1    | 15 A                | 12               | HOOD CONTROLS (2)             | 54 |
| 55  | --                            | --   | --   | --    | 2.03 | 1.02 |      |       |      | 2    | 20 A                | 12               | WIF EVAP                      | 56 |
| 57  | HAND DRYER (2)                | 12   | 20 A | 1     |      | 0.50 | 1.02 |       |      | --   | --                  | --               | --                            | 58 |
| 59  | HAND DRYER (2)                | 12   | 20 A | 1     |      |      |      | 0.50  | 0.50 | 1    | 20 A                | 12               | HEAT TRACE (5)                | 60 |
| 61  | #501-DISHWASHER(2)            | 4    | 60 A | 3     | 5.00 | 5.00 |      |       |      | 3    | 60 A                | 4                | #120-FRYER VAT RIGHT(2,8)     | 62 |
| 63  | --                            | --   | --   | --    |      | 5.00 | 5.00 |       |      | --   | --                  | --               | --                            | 64 |
| 65  | --                            | --   | --   | --    |      |      |      | 5.00  | 5.00 | --   | --                  | --               | --                            | 66 |
| 67  | #101-3-DOUBLE BATCH OVEN(4)   | 6    | 30 A | 3     | 2.33 | 5.00 |      |       |      | 3    | 60 A                | 4                | #120-FRYER VAT LEFT(2,8)      | 68 |
| 69  | --                            | --   | --   | --    |      | 2.33 | 5.00 |       |      | --   | --                  | --               | --                            | 70 |
| 71  | --                            | --   | --   | --    |      |      |      | 2.33  | 5.00 | --   | --                  | --               | --                            | 72 |

TOTAL CONNECTED KVA: 34.16 kVA  
TOTAL CONNECTED AMPS: 285.50 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | TOTAL DEMAND | PANEL TOTALS                   |
|---------------------|----------------|---------------|--------------|--------------------------------|
| CONTINUOUS          | 0.00 kVA       | 125.00%       | 0.00 kVA     |                                |
| NON-CONTINUOUS      | 1.00 kVA       | 100.00%       | 1.00 kVA     |                                |
| Lighting            | 2.31 kVA       | 125.00%       | 2.89 kVA     |                                |
| RECEPTACLES         | 9.72 kVA       | 100.00%       | 9.72 kVA     |                                |
| MOTORS              | 0.00 kVA       | 125.00%       | 0.00 kVA     |                                |
| KITCHEN             | 88.83 kVA      | 65.00%        | 57.74 kVA    |                                |
| REFRIGERATION       | 0.00 kVA       | 100.00%       | 0.00 kVA     |                                |
| HVAC COOL           | 0.00 kVA       | 100.00%       | 0.00 kVA     |                                |
| HVAC HEAT           | 0.00 kVA       | 100.00%       | 0.00 kVA     |                                |
|                     |                |               |              | TOTAL CONN. LOAD: 101.89 kVA   |
|                     |                |               |              | TOTAL DEMAND LOAD: 70.35 kVA   |
|                     |                |               |              | TOTAL CONN. CURRENT: 283.03 A  |
|                     |                |               |              | TOTAL DEMAND CURRENT: 195.42 A |

**MDP**  
**LOCATION:** ELECTRICAL UTILITY  
**SUPPLY FROM:** UTILITY  
**SERVES:** EQUIPMENT

**PANELBOARD**  
**NEW**

480/277 Wye, 3PH, 4W  
400A MLO  
65KAIC FULLY RATED  
SURFACE, NEMA 1  
GROUND BAR

| CKT | Circuit Description | Wire | Trip  | Poles | A     | B     | C     | Poles | Trip  | Wire | Circuit Description | CKT |
|-----|---------------------|------|-------|-------|-------|-------|-------|-------|-------|------|---------------------|-----|
| 1   | TRANSFORMER (T1)    | --   | 135 A | 3     | 34.16 | 35.26 |       | 3     | 135 A | --   | TRANSFORMER (T2)    | 2   |
| 3   | --                  | --   | --    | --    |       | 34.43 | 34.51 | --    | --    | --   | --                  | 4   |
| 5   | --                  | --   | --    | --    |       |       | 33.51 | 33.88 | --    | --   | --                  | 6   |
| 7   | WSHP-6(N)           | 12   | 15 A  | 3     | 2.33  | 2.33  |       | 3     | 15 A  | 12   | WSHP-4(N)           | 8   |
| 9   | --                  | --   | --    | --    |       | 2.33  | 2.33  | --    | --    | --   | --                  | 10  |
| 11  | --                  | --   | --    | --    |       |       | 2.33  | 2.33  | --    | --   | --                  | 12  |
| 13  | ELECTRIC HEATER     | 3    | 90 A  | 3     | 16.67 | 10.00 |       | 3     | 50 A  | 8    | WATER HEATER        | 14  |
| 15  | --                  | --   | --    | --    |       | 16.67 | 10.00 | --    | --    | --   | --                  | 16  |
| 17  | --                  | --   | --    | --    |       |       | 16.67 | 10.00 | --    | --   | --                  | 18  |
| 19  | SPARE               |      | 20 A  | 1     | 0.00  | 0.00  |       | 1     | 20 A  |      | SPARE               | 20  |
| 21  | SPARE               |      | 20 A  | 1     |       | 0.00  | 0.00  | 1     | 20 A  |      | SPARE               | 22  |
| 23  | SPARE               |      | 20 A  | 1     |       |       | 0.00  | 0.00  | 1     | 20 A | SPARE               | 24  |
| 25  | WSHP-3(N)           | 12   | 15 A  | 3     | 2.33  | 2.33  |       | 3     | 15 A  | 12   | WSHP-2(N)           | 26  |
| 27  | --                  | --   | --    | --    |       | 2.33  | 2.33  | --    | --    | --   | --                  | 28  |
| 29  | --                  | --   | --    | --    |       |       | 2.33  | 2.33  | --    | --   | --                  | 30  |
| 31  | WSHP-5(N)           | 12   | 15 A  | 3     | 2.33  | 2.33  |       | 3     | 15 A  | 12   | WSHP-1(N)           | 32  |
| 33  | --                  | --   | --    | --    |       | 2.33  | 2.33  | --    | --    | --   | --                  | 34  |
| 35  | --                  | --   | --    | --    |       |       | 2.33  | 2.33  | --    | --   | --                  | 36  |
| 37  | MAU-1(N)            | 3    | 100 A | 3     | 20.33 | 1.00  |       | 3     | 20 A  | 12   | KEF-1(N)            | 38  |
| 39  | --                  | --   | --    | --    |       | 20.33 | 1.00  | --    | --    | --   | --                  | 40  |
| 41  | --                  | --   | --    | --    |       |       | 20.33 | 1.00  | --    | --   | --                  | 42  |

TOTAL CONNECTED KVA: 131.42 kVA  
TOTAL CONNECTED AMPS: 1097.16 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | TOTAL DEMAND | PANEL TOTALS                   |
|---------------------|----------------|---------------|--------------|--------------------------------|
| CONTINUOUS          | 0.00 kVA       | 125.00%       | 0.00kVA      |                                |
| NON-CONTINUOUS      | 1.00 kVA       | 100.00%       | 1.00 kVA     |                                |
| Lighting            | 2.31 kVA       | 125.00%       | 2.88 kVA     |                                |
| RECEPTACLES         | 9.72 kVA       | 100.00%       | 9.72 kVA     |                                |
| MOTORS              | 0.00 kVA       | 125.00%       | 0.00 kVA     |                                |
| KITCHEN             | 188.58 kVA     | 65.00%        | 122.58 kVA   |                                |
| REFRIGERATION       | 0.00 kVA       | 100.00%       | 0.00 kVA     |                                |
| HVAC COOL           | 186.00 kVA     | 100.00%       | 186.00 kVA   |                                |
| HVAC HEAT           | 0.00 kVA       | 100.00%       | 0.00 kVA     |                                |
|                     |                |               |              | TOTAL CONN. LOAD: 387.51 kVA   |
|                     |                |               |              | TOTAL DEMAND LOAD: 322.17 kVA  |
|                     |                |               |              | TOTAL CONN. CURRENT: 466.22 A  |
|                     |                |               |              | TOTAL DEMAND CURRENT: 387.51 A |

#### LOAD SUMMARY

| TOTAL CONNECTED KVA | IF TOTAL LOAD IS 0_200 KVA | IF TOTAL LOAD IS 201_325 KVA | IF TOTAL LOAD IS 326-800 KVA | IF TOTAL LOAD IS OVER 800 KVA | DIVERSIFIED AMPS AT 208 VOLT |
|---------------------|----------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|
| 387.61 kVA          | 0                          | 0                            | 203.80                       | 0                             | 245.24                       |

LOAD SUMMARY CALCULATIONS PER NEC 220.88

**B**  
**LOCATION:** ELECTRICAL ROOM  
**SUPPLY FROM:** MDP  
**UPSTREAM OCPD:** 200 A  
**SERVES:** EQUIPMENT

**PANELBOARD**  
**NEW**

208/120V Wye, 3PH, 4W  
200A MCB  
65KAIC SERIES RATED  
SURFACE, NEMA 1  
GROUND BAR

| CKT | Circuit Description      | Wire | Trip | Poles | A    | B    | C    | Poles | Trip | Wire | Circuit Description | CKT                      |                        |    |    |
|-----|--------------------------|------|------|-------|------|------|------|-------|------|------|---------------------|--------------------------|------------------------|----|----|
| 1   | #121-CONVEYOR OVEN (4)   | 6    | 50 A | 3     | 4.80 | 4.80 |      |       |      | 3    | 50 A                | 6                        | #122-CONVEYOR OVEN (4) | 2  |    |
| 3   | --                       | --   | --   | --    |      | 4.80 | 4.80 |       | --   | --   | --                  | --                       | --                     | 4  |    |
| 5   | --                       | --   | --   | --    |      |      | 4.80 | 4.80  | --   | --   | --                  | --                       | --                     | 6  |    |
| 7   | #101-DUAL TURBOCHEF(4,8) | 6    | 50 A | 2     | 4.16 | 4.16 |      |       | 2    | 50 A | 6                   | #101-DUAL TURBOCHEF(4,8) | 8                      | 8  |    |
| 9   | --                       | --   | --   | --    |      | 4.16 | 4.16 |       | --   | --   | --                  | --                       | --                     | 10 |    |
| 11  | #101-DUAL TURBOCHEF(4,8) | 6    | 50 A | 2     |      |      | 4.16 | 4.16  | 2    | 50 A | 6                   | #101-DUAL TURBOCHEF(4,8) | 12                     | 12 |    |
| 13  | --                       | --   | --   | --    | 4.16 | 4.16 |      |       | --   | --   | --                  | --                       | --                     | 14 |    |
| 15  | BUSSTRUT R4-2 (2)        | 8    | 40 A | 2     |      | 1.80 | 3.68 |       | 2    | 40 A | 8                   | BUSSTRUT R4-1(2)         | 16                     | 16 |    |
| 17  | --                       | --   | --   | --    |      |      |      | 0.74  | 3.74 | --   | --                  | --                       | --                     | 18 |    |
| 19  | BUSSTRUT R1-2 (2)        | 8    | 40 A | 2     | 0.00 | 1.80 |      |       | 2    | 40 A | 8                   | BUSSTRUT R2-2(2)         | 20                     | 20 |    |
| 21  | --                       | --   | --   | --    |      | 1.80 | 2.39 |       | --   | --   | --                  | --                       | --                     | 22 |    |
| 23  | BUSSTRUT R2-1 (2)        | 8    | 40 A | 2     |      |      |      | 3.73  | 1.56 | 2    | 40 A                | 8                        | BUSSTRUT R3-2 (2)      | 24 | 24 |
| 25  | --                       | --   | --   | --    | 2.04 | 2.06 |      |       | --   | --   | --                  | --                       | --                     | 26 |    |
| 27  | BUSSTRUT R6-1 (2)        | 8    | 40 A | 2     |      | 0.76 | 2.72 |       | 2    | 40 A | 8                   | BUSSTRUT R1-1 (2)        | 28                     | 28 |    |
| 29  | --                       | --   | --   | --    |      |      |      | 0.89  | 3.00 | --   | --                  | --                       | --                     | 30 |    |
| 31  | EF-3(N)                  | 12   | 20 A | 1     | 0.10 | 2.52 |      |       | 2    | 40 A | 8                   | BUSSTRUT R3-1 (2)        | 32                     | 32 |    |
| 33  | SPARE                    | 20 A | 1    |       |      | 0.00 | 2.44 |       | --   | --   | --                  | --                       | --                     | 34 |    |
| 35  | SPARE                    | 20 A | 1    |       |      |      |      | 0.00  | 0.00 | 1    | 20 A                |                          | SPARE                  | 36 |    |
| 37  | SPARE                    | 20 A | 1    | 0.00  | 0.00 |      |      |       |      | 1    | 20 A                |                          | SPARE                  | 38 |    |
| 39  | SPARE                    | 20 A | 1    |       |      | 0.00 | 0.00 |       |      | 1    | 20 A                |                          | SPARE                  | 40 |    |
| 41  | SPARE                    | 20 A | 1    |       |      |      | 0.00 | 0.00  |      | 1    | 20 A                |                          | SPARE                  | 42 |    |
| 43  | SPARE                    | 20 A | 1    | 0.00  | 0.00 |      |      |       |      | 1    | 20 A                |                          | SPARE                  | 44 |    |
| 45  | SPARE                    | 20 A | 1    |       |      | 0.00 | 0.00 |       |      | 1    | 20 A                |                          | SPARE                  | 46 |    |
| 47  | SPARE                    | 20 A | 1    |       |      |      |      | 0.00  | 0.00 | 1    | 20 A                |                          | SPARE                  | 48 |    |
| 49  | SPARE                    | 20 A | 1    | 0.00  | 0.00 |      |      |       |      | 1    | 20 A                |                          | SPARE                  | 50 |    |
| 51  | SPARE                    | 20 A | 1    |       |      | 0.00 | 0.00 |       |      | 1    | 20 A                |                          | SPARE                  | 52 |    |
| 53  | SPARE                    | 20 A | 1    |       |      |      | 0.00 | 0.00  |      | 1    | 20 A                |                          | SPARE                  | 54 |    |
| 55  | SPARE                    | 20 A | 1    | 0.00  | 0.00 |      |      |       |      | 1    | 20 A                |                          | SPARE                  | 56 |    |
| 57  | SPARE                    | 20 A | 1    |       |      | 0.00 | 0.00 |       |      | 1    | 20 A                |                          | SPARE                  | 58 |    |
| 59  | SPARE                    | 20 A | 1    |       |      |      |      | 0.00  | 0.00 | 1    | 20 A                |                          | SPARE                  | 60 |    |
| 61  | SPARE                    | 20 A | 1    | 0.00  | 0.00 |      |      |       |      | 1    | 20 A                |                          | SPARE                  | 62 |    |
| 63  | SPARE                    | 20 A | 1    |       |      | 0.00 | 0.00 |       |      | 1    | 20 A                |                          | SPARE                  | 64 |    |
| 65  | SPARE                    | 20 A | 1    |       |      |      |      | 0.00  | 0.00 | 1    | 20 A                |                          | SPARE                  | 66 |    |
| 67  | SPARE                    | 20 A | 1    | 0.00  | 0.50 |      |      |       |      | 1    | 20 A                | 12                       | SHOW WINDOW            | 68 |    |
| 69  | SHOW WINDOW              | 12   | 20 A | 1     |      | 0.50 | 0.50 |       |      | 1    | 20 A                | 12                       | SHOW WINDOW            | 70 |    |
| 71  | SHOW WINDOW              | 12   | 20 A | 1     |      |      |      | 0.50  | 1.80 | 1    | 20 A                | 12                       | SHOW WINDOW            | 72 |    |



## EQUIPMENT UTILITY SCHEDULE

| TAG    | DESCRIPTION                               | MANUFACTURER       | MODEL                      | VOLTS | PHASE | AMPS    | CYCLE | APPARENT POWER | HP   | CONN. PLUG  | ELECTRICAL REMARKS |
|--------|-------------------------------------------|--------------------|----------------------------|-------|-------|---------|-------|----------------|------|-------------|--------------------|
| 101    | DOUBLE BATCH OVEN, ELECTRIC, VENTLESS     | TURBOCHEF          | HH0-9500-1                 | 208 V | 3     | 40.00 A | 60 Hz | 8.32 kVA       |      | NEMA 6-50P  |                    |
| 101-3  | DOUBLE BATCH OVEN, ELECTRIC, VENTLESS     | TURBOCHEF          | HH0-9500-14-DL             | 208 V | 3     | 23.10 A | 60 Hz | 8.31 kVA       |      | NEMA 15-30P |                    |
| 102    | WATER BATH                                | WINCO              | ESVC-28D                   | 120 V | 1     | 15.00 A | 60 Hz | 1.80 kVA       |      | NEMA 5-15P  |                    |
| 104    | FRYER, VENTLESS                           | RESFAB             | MB-50ATV                   | 208 V | 3     | 48.00 A | 60 Hz |                |      | HARDWIRE    |                    |
| 112    | VERTICAL CONVEYOR TOASTER                 | PRINCE CASTLE      | CTS-WS                     | 120 V | 1     | 12.50 A | 60 Hz | 1.50 kVA       |      | NEMA 5-15P  |                    |
| 114    | SANDWICH PRESS                            | VOLLRATH           | PSG4-SSF120                | 120 V | 1     | 15.00 A | 60 Hz | 1.80 kVA       |      | NEMA 5-15P  |                    |
| 115    | DUAL FRYER, VENTLESS                      | RESFAB             | MB-502ATV                  | 208 V | 3     | 49.00 A | 60 Hz |                |      | HARDWIRE    |                    |
| 117    | SAUCE WARMER                              | SERVER PRODUCTS    | 86090                      | 120 V | 1     | 4.20 A  | 60 Hz | 0.50 kVA       |      | NEMA 5-15P  |                    |
| 120    | DUAL FRYER                                | RESFAB             | MB-502AT                   | 208 V | 3     | 49.00 A | 60 Hz |                |      | HARDWIRE    |                    |
| 121    | OVEN, CONVEYOR                            | TURBOCHEF          | HCW-9500-501-V             | 208 V | 3     | 40.00 A | 60 Hz | 14.39 kVA      |      | NEMA 15-50P |                    |
| 122    | OVEN, CONVEYOR                            | TURBOCHEF          | HCT-9500-501-V             | 208 V | 3     | 40.00 A | 60 Hz | 14.39 kVA      |      | NEMA 15-50P |                    |
| 124    | SINGLE PLATEN DOUBLE-SIDED GRILL          | TAYLOR             | L850                       | 208 V | 3     | 24.00 A | 60 Hz | 8.64 kVA       |      | L15-30P     |                    |
| 202B   | MEGATOP FRIDGE, 72"                       | BEVERAGE AIR       | SPE72HC-30M                | 120 V | 1     | 5.40 A  | 60 Hz | 0.65 kVA       | 1/3  | NEMA 5-15P  |                    |
| 202B-X | MEGATOP FRIDGE, 72"                       | BEVERAGE AIR       | SPE72HC-30M                | 120 V | 1     | 5.40 A  | 60 Hz | 0.65 kVA       | 1/3  | NEMA 5-15P  |                    |
| 203B   | UNDERCOUNTER FRIDGE, 67"                  | BEVERAGE AIR       | UCR67AHC                   | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/5  | NEMA 5-15P  |                    |
| 206B   | PIZZA PREP, 67"                           | BEVERAGE AIR       | DP67HC                     | 120 V | 1     | 4.50 A  | 60 Hz | 0.54 kVA       | 1/2  | NEMA 5-15P  |                    |
| 208B   | PIZZA PREP, 93"                           | BEVERAGE AIR       | DP93HC                     | 120 V | 1     | 7.80 A  | 60 Hz | 0.94 kVA       | 1/2  | NEMA 5-15P  |                    |
| 210B   | WORKTOP FRIDGE, 67"                       | BEVERAGE AIR       | WTR67AHC                   | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/5  | NEMA 5-15P  |                    |
| 217BL  | SINGLE DOOR FRIDGE (LEFT HINGED)          | BEVERAGE AIR       | HR1HC-1S                   | 120 V | 1     | 2.70 A  | 60 Hz | 0.32 kVA       | 1/4  | NEMA 5-15P  |                    |
| 217BR  | SINGLE DOOR FRIDGE (RIGHT HINGED)         | BEVERAGE AIR       | HR1HC-1S                   | 120 V | 1     | 2.70 A  | 60 Hz | 0.32 kVA       | 1/4  | NEMA 5-15P  |                    |
| 217L   | SINGLE DOOR FRIDGE (LEFT HINGED)          | TRUE               | T-23-HC                    | 120 V | 1     | 2.20 A  | 60 Hz | 0.26 kVA       | 1/4  | NEMA 5-15P  |                    |
| 217R   | SINGLE DOOR FRIDGE (RIGHT HINGE)          | TRUE               | T-23-HC                    | 120 V | 1     | 2.20 A  | 60 Hz | 0.26 kVA       | 1/4  | NEMA 5-15P  |                    |
| 218BL  | SINGLE DOOR FRIDGE/FREEZER (LEFT HINGED)  | BEVERAGE AIR       | CT1HC-1S                   | 120 V | 1     | 8.00 A  | 60 Hz | 0.96 kVA       | 4/5  | NEMA 5-15P  |                    |
| 218BR  | SINGLE DOOR FRIDGE/FREEZER (RIGHT HINGED) | BEVERAGE AIR       | CT1HC-1S                   | 120 V | 1     | 8.00 A  | 60 Hz | 0.96 kVA       | 4/5  | NEMA 5-15P  |                    |
| 218L   | SINGLE DOOR FRIDGE/FREEZER (LEFT HINGED)  | TRUE               | T-23F-FLX-HC               | 120 V | 1     | 3.70 A  | 60 Hz | 0.44 kVA       | 1/2  | NEMA 5-15P  |                    |
| 218R   | SINGLE DOOR FRIDGE/FREEZER (RIGHT HINGED) | TRUE               | T-23F-FLX-HC               | 120 V | 1     | 3.70 A  | 60 Hz | 0.44 kVA       | 1/2  | NEMA 5-15P  |                    |
| 219    | DOUBLE DOOR FRIDGE                        | TRUE               | T-49-HC                    | 120 V | 1     | 5.40 A  | 60 Hz | 0.65 kVA       | 1/2  | NEMA 5-15P  |                    |
| 219B   | DOUBLE DOOR FRIDGE                        | BEVERAGE AIR       | HR2HC-1S                   | 120 V | 1     | 6.00 A  | 60 Hz | 0.72 kVA       | 1/3  | NEMA 5-15P  |                    |
| 220    | DOUBLE DOOR FRIDGE/FREEZER                | TRUE               | T-49F-FLX-HC               | 120 V | 1     | 9.60 A  | 60 Hz | 1.16 kVA       | 1    | NEMA 5-15P  |                    |
| 220B   | DOUBLE DOOR FRIDGE/FREEZER                | BEVERAGE AIR       | CT2HC-1S                   | 120 V | 1     | 13.20 A | 60 Hz | 1.58 kVA       | 3/4  | NEMA 5-15P  |                    |
| 225    | REFRIDERATED MERCHANDISER                 | TRUE               | TOAM-30-HC-NSL01           | 120 V | 1     | 9.50 A  | 60 Hz | 1.14 kVA       | 3/4  | NEMA 5-15P  |                    |
| 227B   | UNDERCOUNTER FRIDGE, 83"                  | BEVERAGE AIR       | UCR93AHC                   | 120 V | 1     | 5.00 A  | 60 Hz | 0.60 kVA       | 1/3  | NEMA 5-15P  |                    |
| 230BD  | UNDERCOUNTER FRIDGE, 48"                  | BEVERAGE AIR       | UCR048AHC-4                | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/6  | NEMA 5-15P  |                    |
| 236B   | WORKTOP FRIDGE, 48"                       | BEVERAGE AIR       | WTR48AHC-FIP               | 120 V | 1     | 2.20 A  | 60 Hz | 0.26 kVA       | 1/6  | NEMA 5-15P  |                    |
| 237B   | MEGATOP FRIDGE, 60"                       | BEVERAGE AIR       | SPE60HC-24M                | 120 V | 1     | 5.40 A  | 60 Hz | 0.65 kVA       | 1/3  | NEMA 5-15P  |                    |
| 256    | DOUBLE DOOR FREEZER                       | TRUE               | T-49F-HC                   | 120 V | 1     | 9.60 A  | 60 Hz | 1.15 kVA       | 1    | NEMA 5-15P  |                    |
| 256B   | DOUBLE DOOR FREEZER                       | BEVERAGE AIR       | FB49HC-1S                  | 120 V | 1     | 10.00 A | 60 Hz | 1.20 kVA       | 3/4  | NEMA 5-15P  |                    |
| 260BL  | MEGATOP, 48"                              | BEVERAGE AIR       | SPE048HC-12M-4             | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/6  | NEMA 5-15P  |                    |
| 261B   | MEGATOP, 48"                              | BEVERAGE AIR       | SPE48HC-18M                | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/6  | NEMA 5-15P  |                    |
| 261BD  | MEGATOP, 48", DRAWERS                     | BEVERAGE AIR       | SPE048HC-18M-4             | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/6  | NEMA 5-15P  |                    |
| 262BD  | MEGATOP, 27"                              | BEVERAGE AIR       | SPE027HC-12M               | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/10 | NEMA 5-15P  |                    |
| 263BD  | UNDERCOUNTER FRIDGE, 36"                  | BEVERAGE AIR       | UCR036AHC-2                | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/6  | NEMA 5-15P  |                    |
| 266B   | DOUBLE DOOR FRIDGE, GLASS DOORS           | BEVERAGE AIR       | MMR45HC-1-B                | 120 V | 1     | 3.90 A  | 60 Hz | 0.47 kVA       | 1/3  | NEMA 5-15P  |                    |
| 267BD  | MEGATOP, 27"                              | BEVERAGE AIR       | SPE027HC                   | 120 V | 1     | 2.00 A  | 60 Hz | 0.24 kVA       | 1/10 | NEMA 5-15P  |                    |
| 301    | HOT HOLD CABINET                          | ALTO-SHAAM         | 500-S                      | 120 V | 1     | 8.40 A  | 60 Hz | 1.01 kVA       |      | NEMA 5-15P  |                    |
| 303L   | CVAP HOT HOLD CABINETS (LEFT HINGE)       | WINSTON INDUSTRIES | HOV3-14UV                  | 120 V | 1     | 19.10 A | 60 Hz | 2.29 kVA       |      | NEMA 5-20P  |                    |
| 303R   | CVAP HOT HOLD CABINETS (RIGHT HINGE)      | WINSTON INDUSTRIES | HOV3-14UV                  | 120 V | 1     | 19.10 A | 60 Hz | 2.29 kVA       |      | NEMA 5-20P  |                    |
| 304    | CVAP HOT HOLD CABINET, HALF HEIGHT        | WINSTON INDUSTRIES | HOV5-04HP                  | 120 V | 1     | 15.20 A | 60 Hz | 1.82 kVA       |      | NEMA 5-20P  |                    |
| 306    | HOT FOOR WELLS TABLE                      | ADVANCE TABCO      | HF-3E-120                  | 120 V | 1     | 12.80 A | 60 Hz | 1.50 kVA       |      | NEMA 5-20P  |                    |
| 327    | HEAT LAMP, 66"                            | HATCO CORPORATION  | GRAH-66                    | 120 V | 1     | 13.00 A | 60 Hz | 1.56 kVA       |      | NEMA 5-15P  |                    |
| 342    | WORK STATION, 24"x48"                     | METRO              | EZH548W-KIT                | 120 V | 1     | 3.33 A  | 60 Hz |                |      | NEMA 5-15P  |                    |
| 350    | CRISP 'N HOLD                             | CARTER-HOFFMANN    | CNH18                      | 120 V | 1     | 15.10 A | 60 Hz | 1.81 kVA       |      | NEMA 5-20P  |                    |
| 351    | FRY WARMER                                | HATCO CORPORATION  | GRFFB-120                  | 120 V | 1     | 6.25 A  | 60 Hz | 0.75 kVA       |      | NEMA 5-15P  |                    |
| 355    | HOT FOOD DROP-IN WELL                     | ALTO-SHAAM         | 300-HW                     | 120 V | 1     | 15.00 A | 60 Hz | 1.80 kVA       |      | NEMA 5-20P  |                    |
| 356    | DRAWER WARMERS                            | ALTO-SHAAM         | 500-2D                     | 120 V | 1     | 5.30 A  | 60 Hz | 0.64 kVA       |      | NEMA 5-15P  |                    |
| 501    | DISHWASHING MACHINE, VENTLESS             | CHAMPION           | HD6000T-VHR                | 208 V | 3     | 48.00 A | 60 Hz | 1.00 kVA       |      | HARDWIRE    |                    |
| 504    | HEATED SOAK TANK                          | HYGIX              | FOG TANK, STANDARD 40 GAL. | 120 V | 1     | 8.33 A  |       |                |      | NEMA 5-15P  |                    |

## —CONSULTANTS

# NY ENGINEERS

## NEARBY ENGINEERS

382 NE 191ST STREET, SUITE

MIAMI, FL 33179

PH - (646) 878-9217

WWW.NY-ENGINEERS.COM

[illegible]

DRAWN BY

CHECKED BY \_\_\_\_\_

—ARCH. PROJECT NO.:

DR25024.0

DESIGN ID: D3-S1-A9.1

—SHEET NAME

## ELECTRICAL UTILITY SCHEDULE

— SHEET

NUMBER

# E603





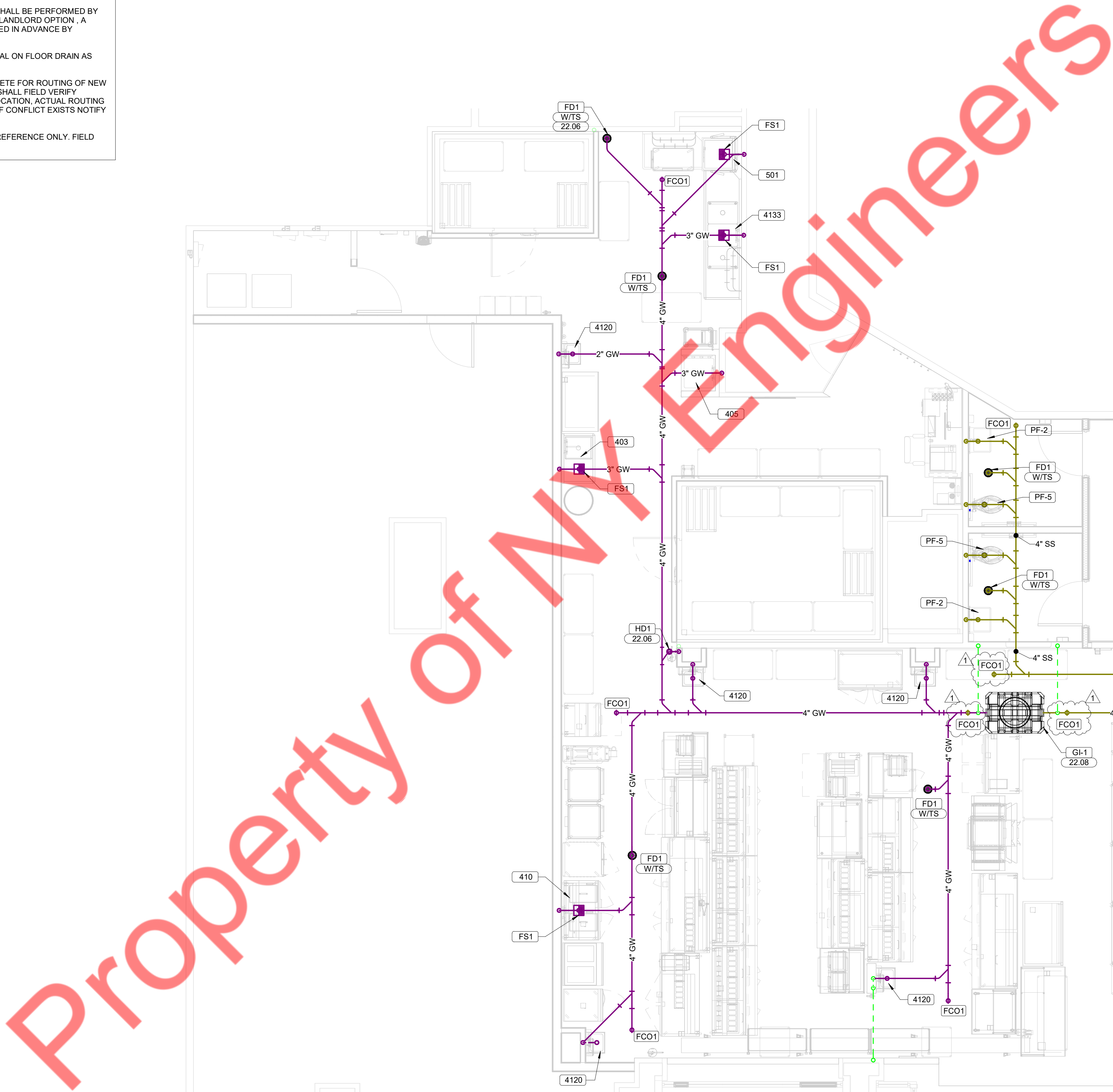






|   |       |                                                                                                                                                                                            |
|---|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 22.09 | CONTRACTOR TO FIELD VERIFY THE INVERT ELEVATION OF THE BUILDING SANITARY LINE AND THE UPSTREAM CITY SEWER MANHOLE AND PROVIDE A BACKWATER VALVE ON THE BUILDING SANITARY LINE AS REQUIRED. |
|---|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

6. PROVIDE TRAP PRIMER/ SEAL ON FLOOR DRAIN AS PER LOCAL JURISDICTION.
7. PRIOR TO CUTTING CONCRETE FOR ROUTING OF NEW PLUMBING, CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE SIZE AND LOCATION, ACTUAL ROUTING AND INVERT ELEVATIONS. IF CONFLICT EXISTS NOTIFY ENGINEER OF RECORD.
8. EVAPORATE SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXACT LOCATION.



**1 FIRST FLOOR DWV PLAN**  
1/4" = 1'-0"

—CONSULTANTS —

## NY ENGINEERS

NEARBY ENGINEERS  
NE 191ST STREET, SUITE  
49674  
MIAMI, FL 33179  
PH - (646) 878-9217  
VW.NY-ENGINEERS.COM

| NO. | DATE       | DESCRIPTION       |
|-----|------------|-------------------|
| 0   | 10/08/2025 | ISSUE FOR PERMIT  |
| 1   | 11/25/2025 | BUILDING COMMENTS |

DRAWN BY NYE

CHECKED BY \_\_\_\_\_ NYE \_\_\_\_\_

—ARCH. PROJECT NO.: \_\_\_\_\_

CDR25024.0                      DESIGN ID: D3-S1-A9.E3

— SHEET NAME —

## DWV PLAN

— SHEET —  
NUMBER 3111

P111



## GENERAL NOTES

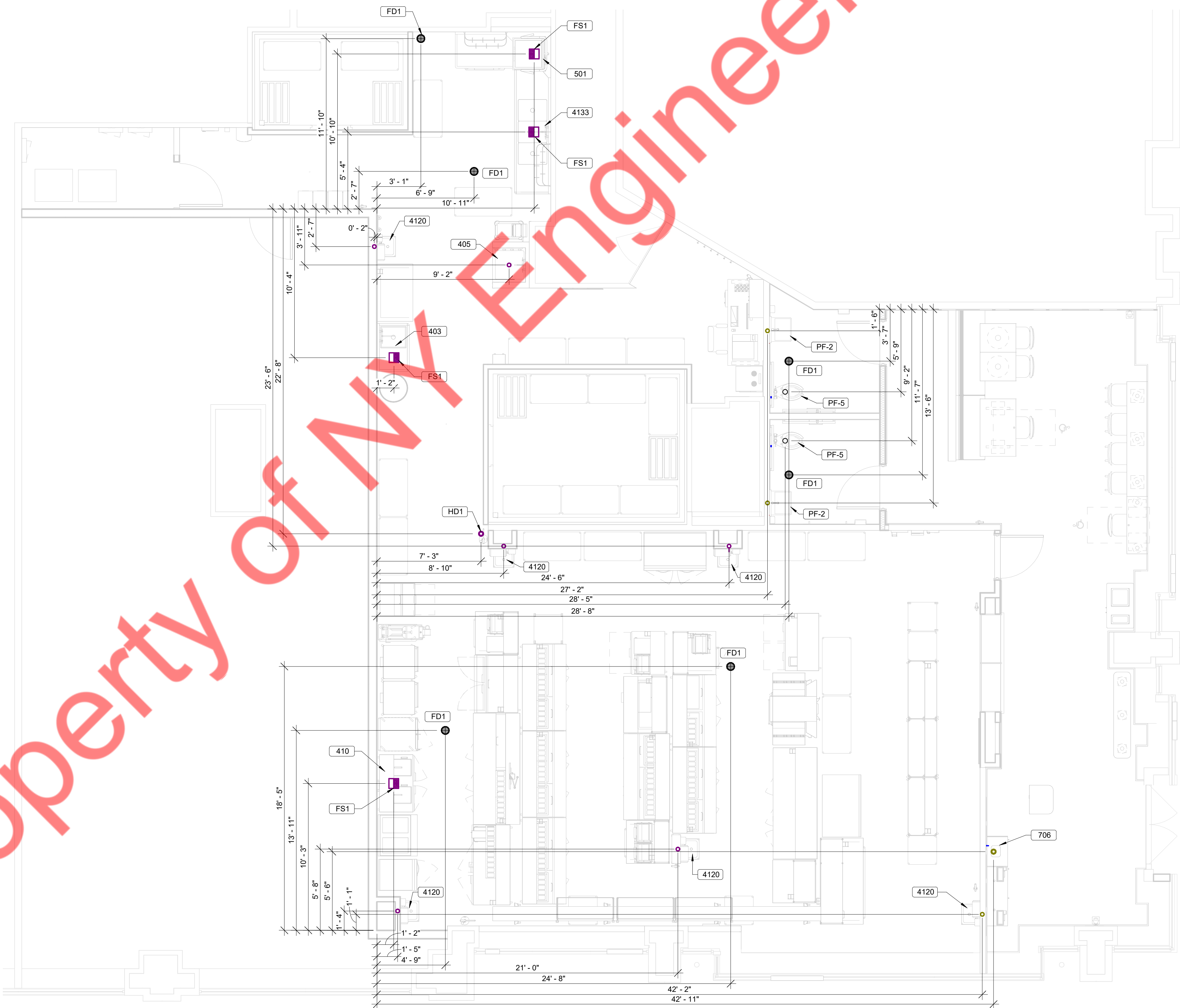
1. C/W/H/W PIPING TO BE PROVIDED WITH INSULATION AS PER 2017 WASHINGTON DC ENERGY CONSERVATION CODE (IECC 2015)
2. PROVIDE BRANCH PRV IF PRESSURE EXCEEDS 80 PSI.
3. CONTRACTOR TO FIELD VERIFY FEASIBILITY OF SLAB PENETRATION AS PER STRUCTURAL REQUIREMENT.
4. PROVIDE ACCESS PANELS FOR WATER HAMMER ARRESTOR, & SHUT-OFF VALVES AS REQUIRED.
5. ANY ROOF PENETRATION SHALL BE PERFORMED BY LANDLORD'S ROOFERS AT LANDLORD OPTION, A BONDED ROOFER APPROVED IN ADVANCE BY LANDLORD.
6. PROVIDE TRAP PRIMARY SEAL ON FLOOR DRAIN AS PER LOCAL JURISDICTION.
7. PROVIDE BACKFLOW PREVENTION DEVICE TO EQUIPMENTS IF ANY AS PER REQUIREMENT.

[illegible]



GENERAL NOTES

GC TO SCAN THE SLAB PRIOR TO ANY SLAB PENETRATION. NOTIFY DESIGN AND PM TEAM IMMEDIATELY IF ANY CONFLICTS EXIST.



1 SLAB PENETRATION PLAN  
1/4" = 1'-0"

CONSULTANTS

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NEARBY ENGINEERS  
382 NE 191ST STREET, SUITE 49674  
MIAMI, FL 33179  
PH - (646) 878-9217  
WWW.NY-ENGINEERS.COM

| NO. | DATE       | DESCRIPTION       |
|-----|------------|-------------------|
| 0   | 10/08/2025 | ISSUE FOR PERMIT  |
| 1   | 11/25/2025 | BUILDING COMMENTS |

DRAWN BY NYE  
CHECKED BY NYE

ARCH. PROJECT NO.:  
CDR25024.0 DESIGN ID: D3-S1-A9-E3

SHEET NAME

SLAB PENETRATION PLAN

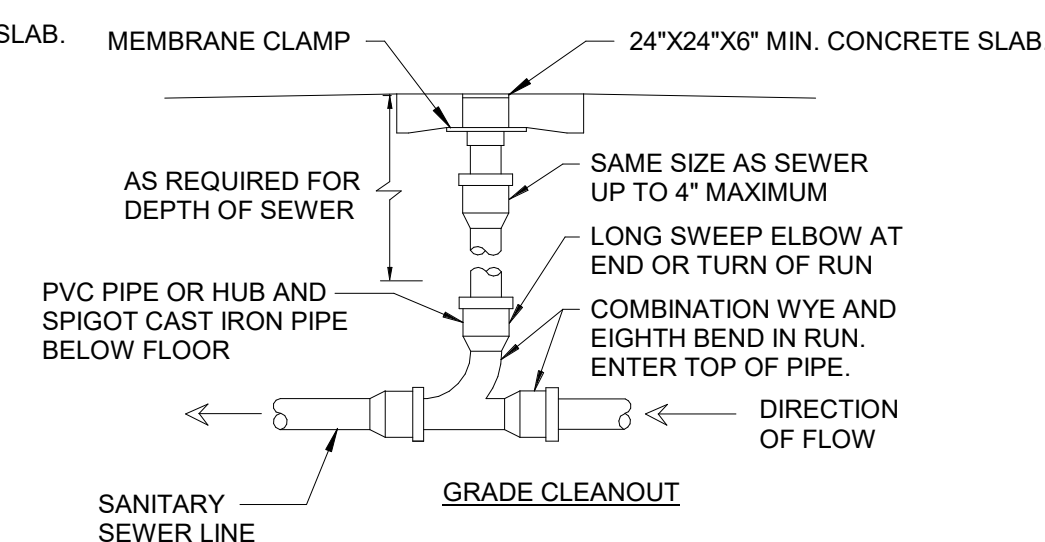
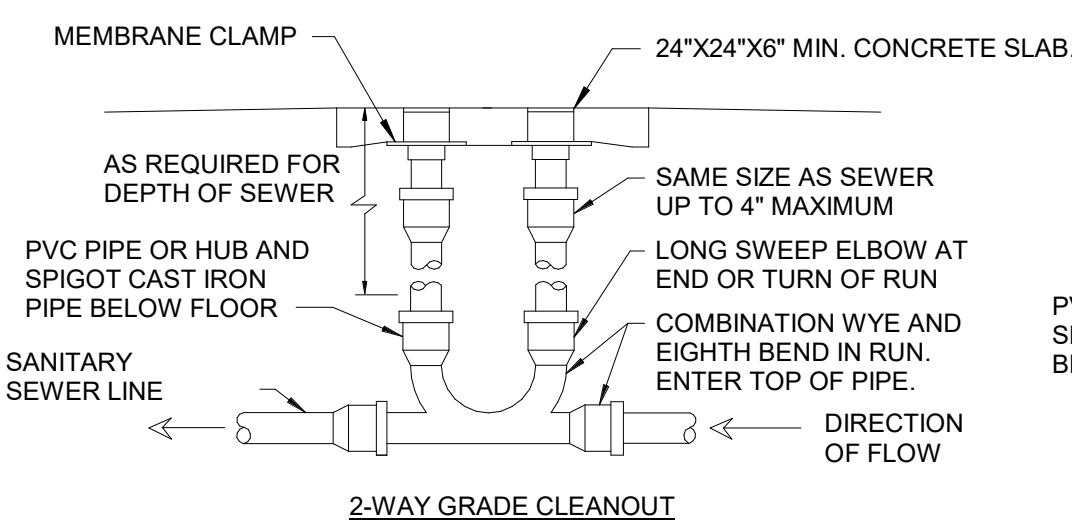
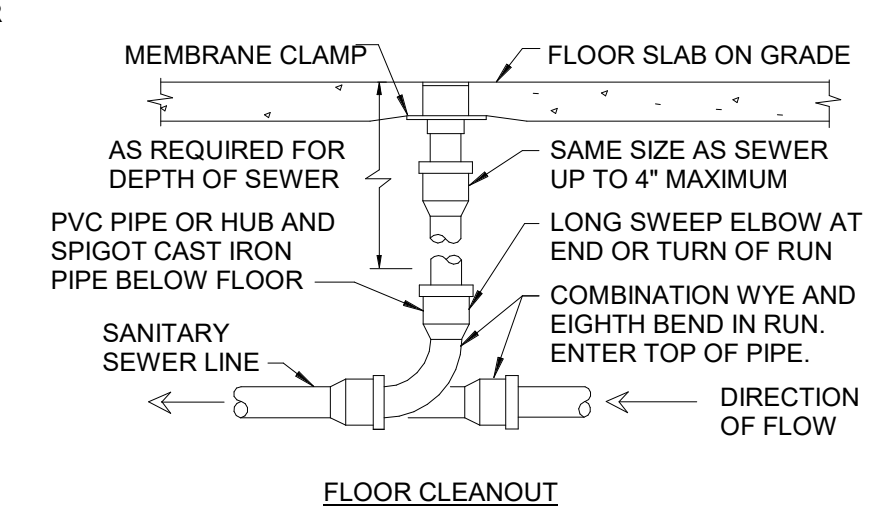
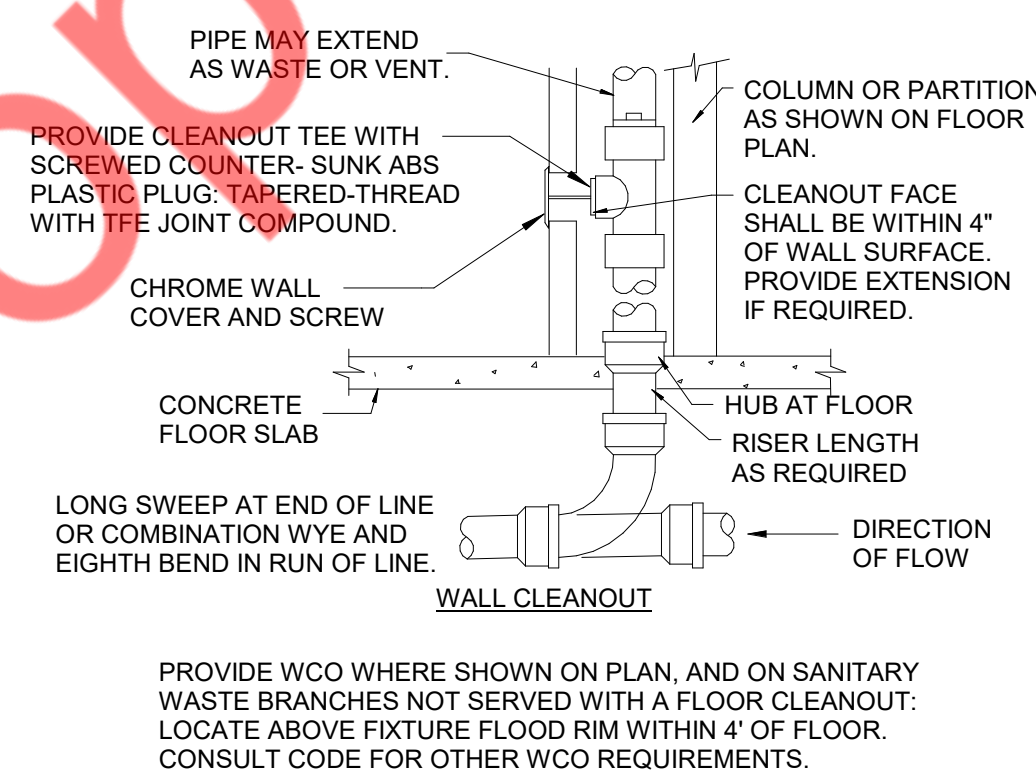
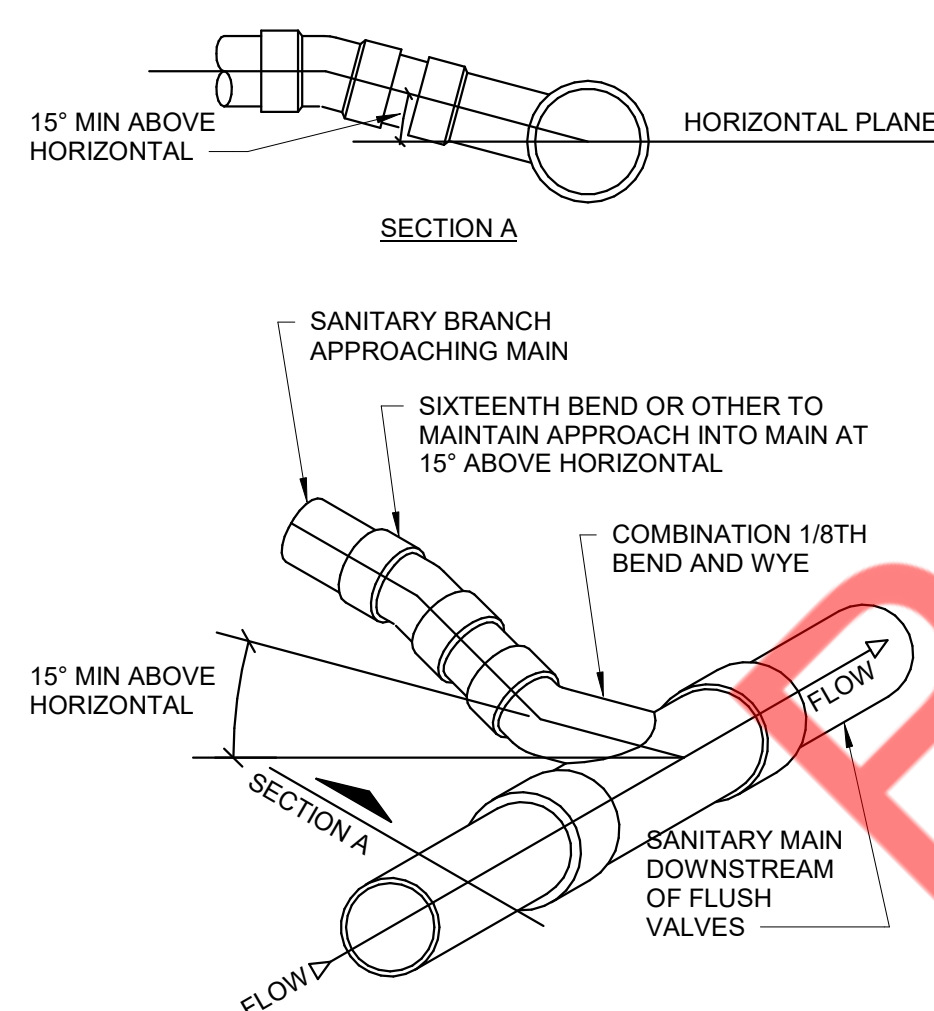
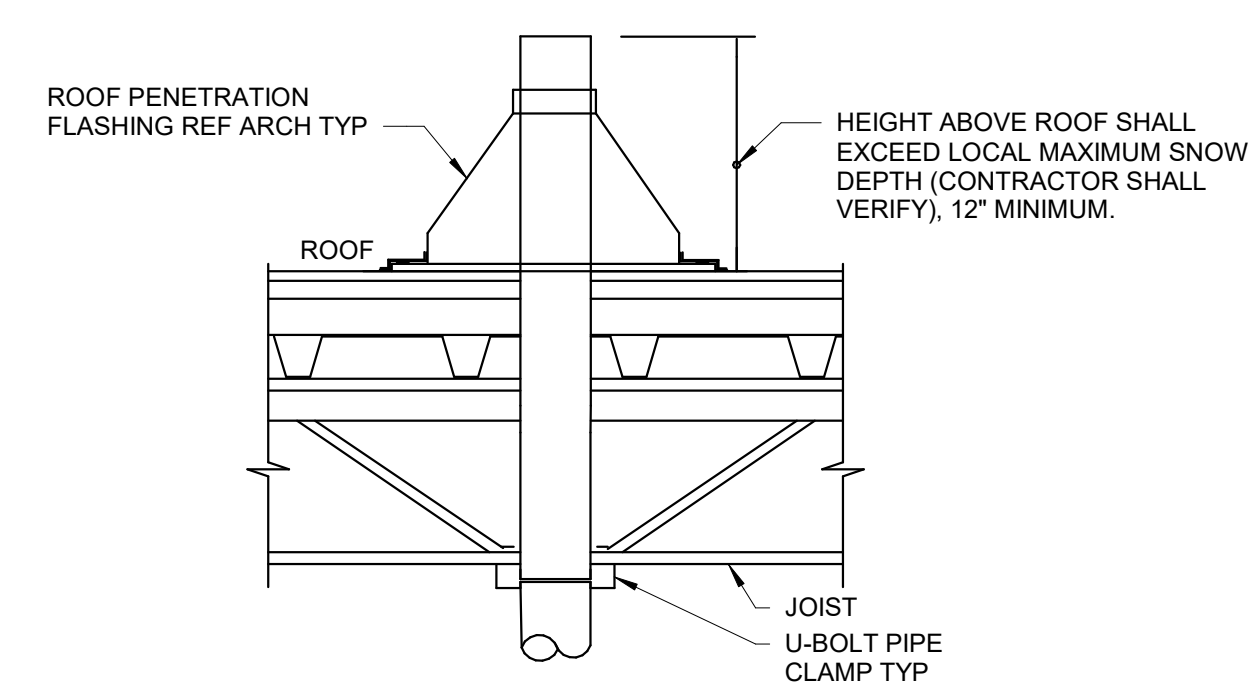
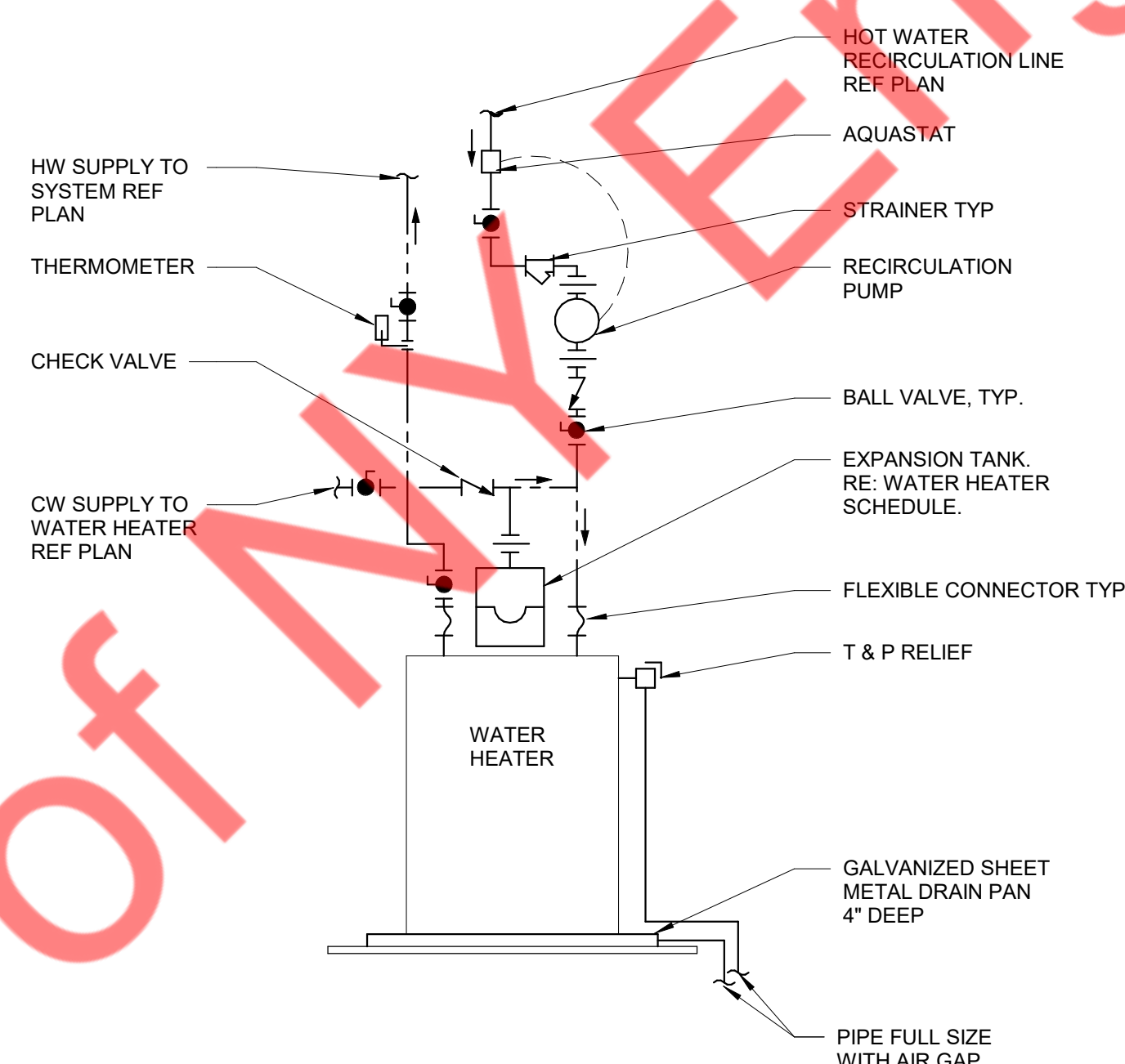
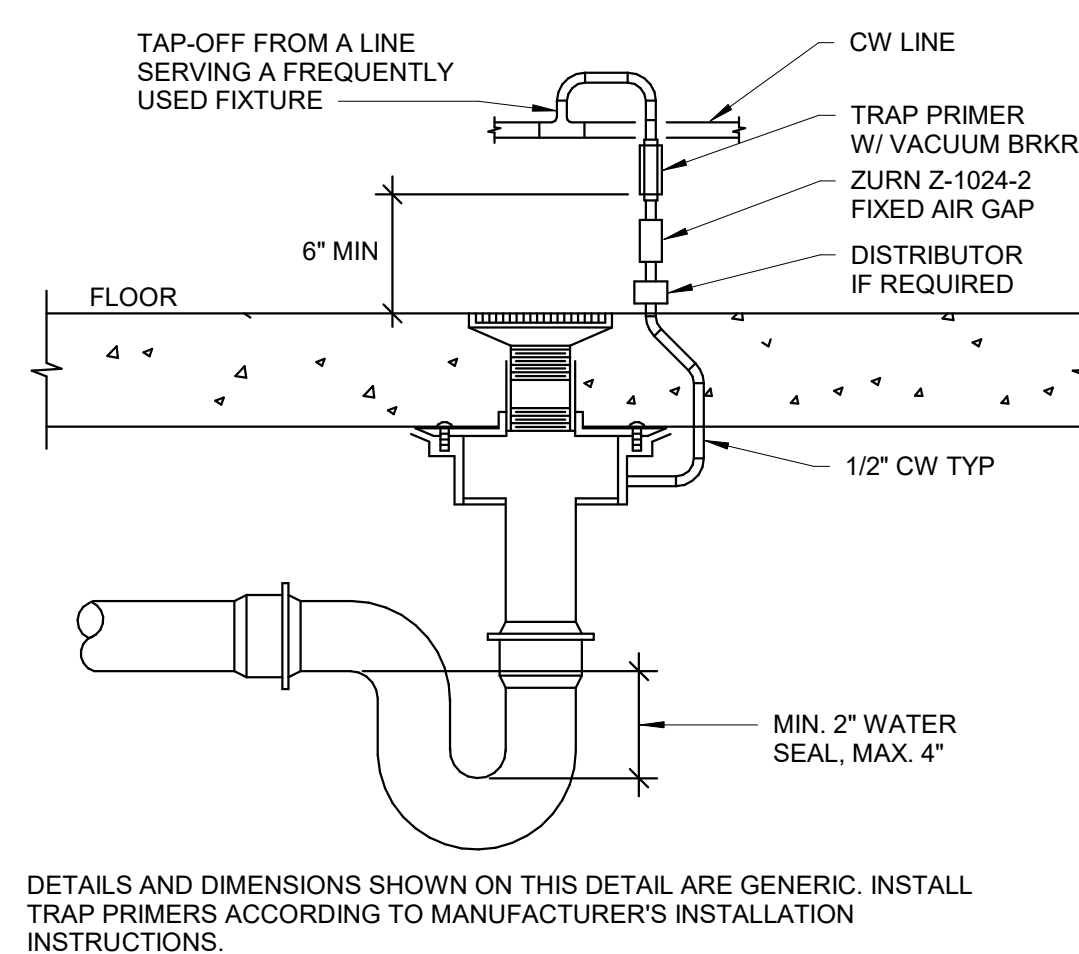
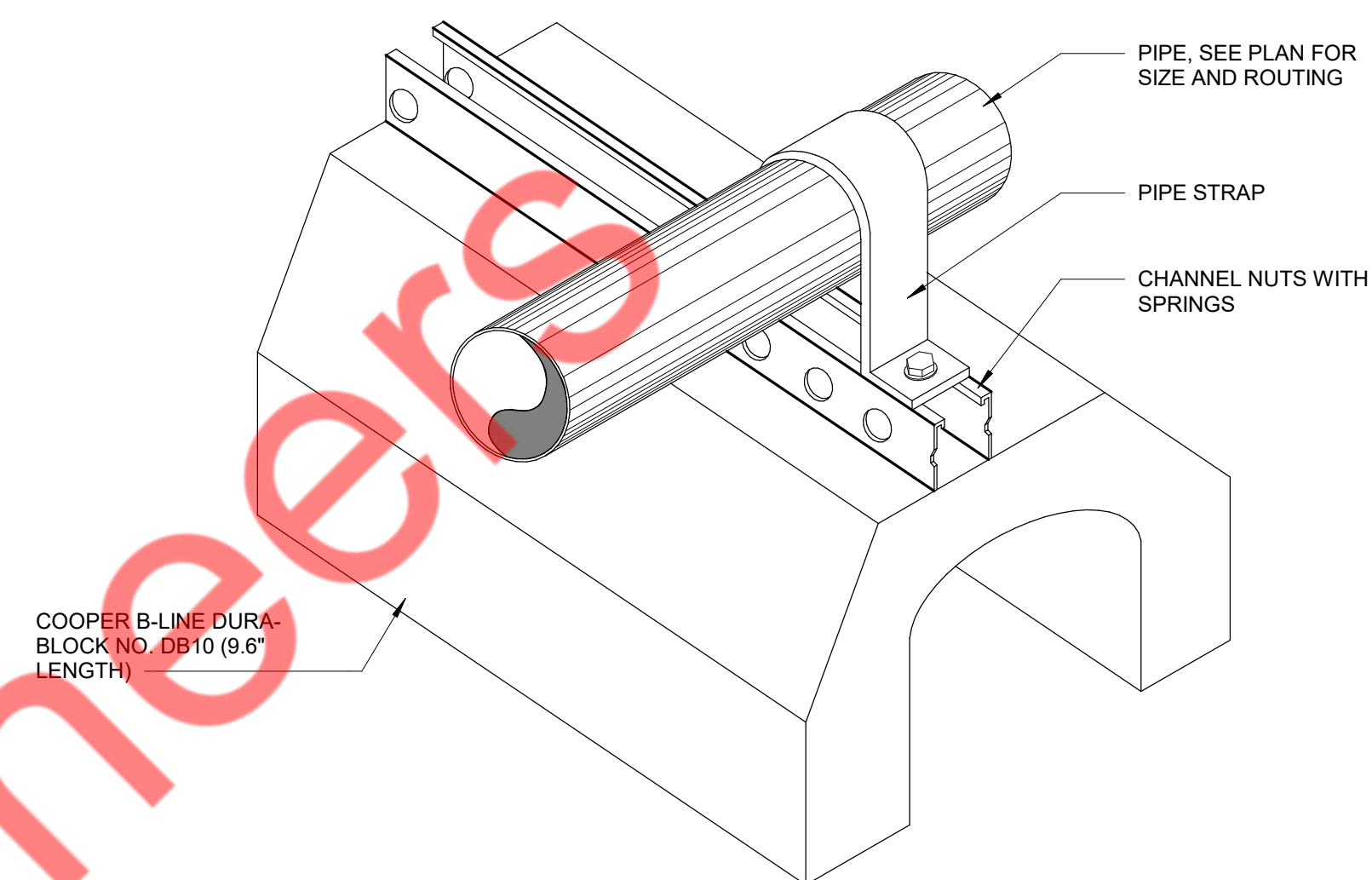
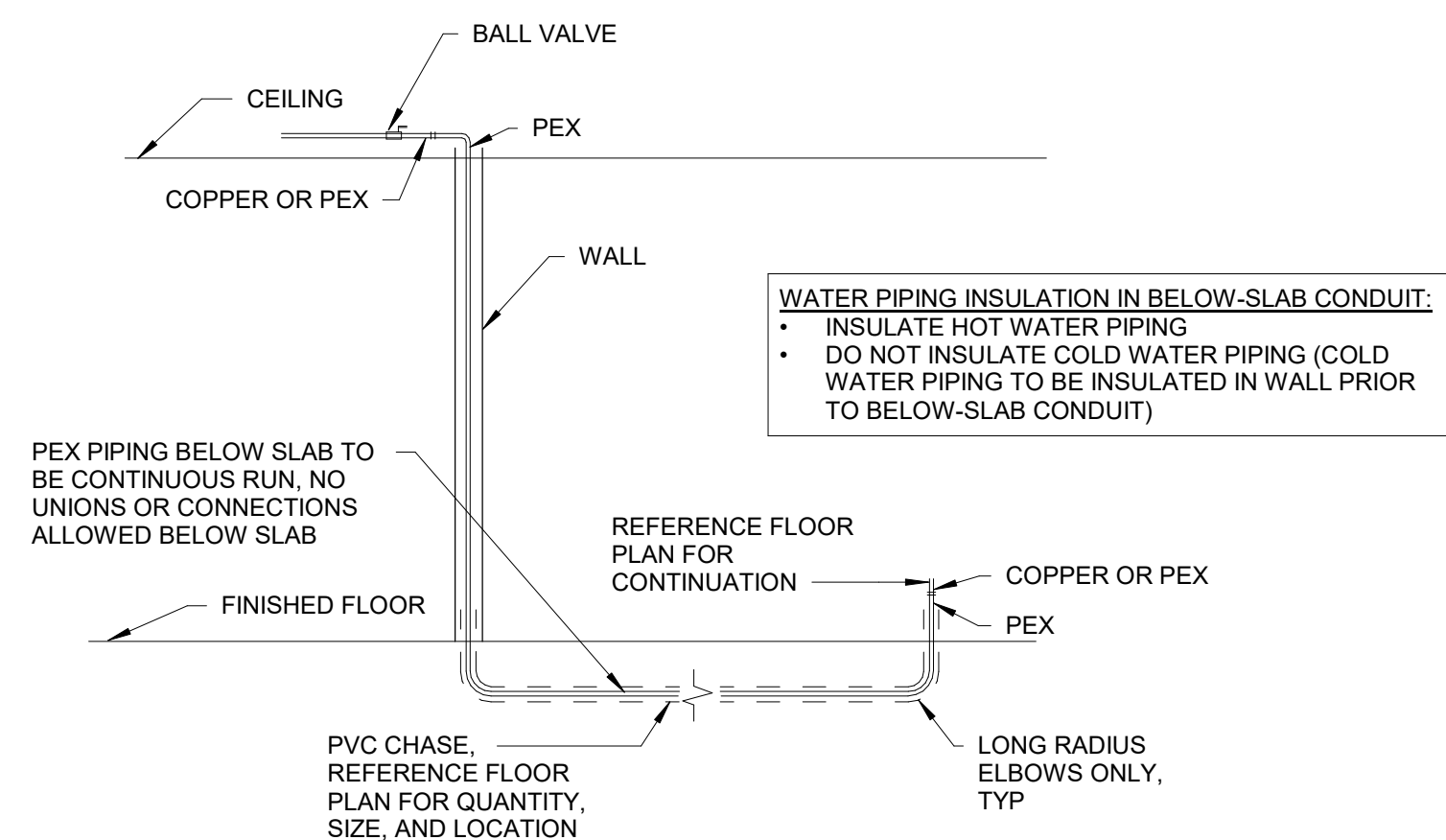
SHEET NUMBER

P141







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— ARCH. PROJECT NO.: \_\_\_\_\_

CDR25024.0                      DESIGN ID: D3-S1-A9.E3

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NUMBER

P501



| DOMESTIC FIXTURE SCHEDULE                                                                         |                                                |              |                              |                |                  |                |        |            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------|------------------------------------------------|--------------|------------------------------|----------------|------------------|----------------|--------|------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MARK                                                                                              | DESCRIPTION                                    | MANUFACTURER | MODEL                        | VOL. PER FLUSH | CONNECTION SIZES |                |        |            |           | NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                   |                                                |              |                              |                | DIRECT WASTE     | INDIRECT WASTE | VENT   | COLD WATER | HOT WATER |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PF-2                                                                                              | LAVATORY                                       | KOHLER       | SOHO K-2084-0                | ---            | 2"               | ---            | 1-1/2" | 1/2"       | 1/2"      | FOH FAUCET: KOHLER K-33590-4N-BL MANUAL SPOUT, SINGLE TEMPERATURE SUPPLY PROVIDE WITH GRID STRAINER, LOOSE KEY STOPS, P-TRAP WITH CLEANOUT, TAIL PIECE AND ESCUTCHEON. VERIFY FINISHES WITH ARCH PLANS. PROVIDE WITH ASSE 1070 APPROVED THERMOSTATIC TEMPERATURE LIMITING DEVICE (TMV). MOUNT AT HANDICAPPED ACCESSIBLE HEIGHT.<br>BOH FAUCET: KOHLER K-33590-4N-CP MANUAL SPOUT, SINGLE TEMPERATURE SUPPLY PROVIDE WITH GRID STRAINER, LOOSE KEY STOPS, P-TRAP WITH CLEANOUT, TAIL PIECE AND ESCUTCHEON. VERIFY FINISHES WITH ARCH PLANS. PROVIDE WITH ASSE 1070 APPROVED THERMOSTATIC TEMPERATURE LIMITING DEVICE (TMV). MOUNT AT HANDICAPPED ACCESSIBLE HEIGHT, 0.5 GPM (1.9 LPM) MAXIMUM FLOW RATE AT 60 PSI (4.14 BAR) <sup>1</sup> |
| PF-5                                                                                              | WATER CLOSET - FLOOR MOUNT - FLUSH VALVE - ADA | KOHLER       | HIGHCLIFF ULTRA K-96057-SS-0 | 1.28 GPF       | 4"               | ---            | 2"     | 1-1/4"     | ---       | ELONGATED FLOOR MOUNTED WATER CLOSET, WITH KOHLER K-4670-SA-0 WHITE ELONGATED OPEN FRONT SEAT. INSTALL AT ADA COMPLIANT HEIGHT. 1-1/2" TOP SPUD. WASTE ROUGH-IN 12" FROM WALL SURFACE. FLUSHOMETER: KOHLER K-76321-CP PRIMME MANUAL 1.28 GPF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NOTES:                                                                                            |                                                |              |                              |                |                  |                |        |            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING AND OTHER REQUIREMENTS FOR ALL TASI/ADA FIXTURES. |                                                |              |                              |                |                  |                |        |            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2. INSULATE PIPING BELOW FIXTURES PER TASI/ADA REQUIREMENTS.                                      |                                                |              |                              |                |                  |                |        |            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| KITCHEN EQUIPMENT SCHEDULE |                        |              |                    |                        |          |                  |                |        |            |           |                                                                                                 |
|----------------------------|------------------------|--------------|--------------------|------------------------|----------|------------------|----------------|--------|------------|-----------|-------------------------------------------------------------------------------------------------|
| MARK                       | DESCRIPTION            | MANUFACTURER | MODEL              | FAUCET/VALVE SELECTION |          | CONNECTION SIZES |                |        |            |           | NOTES                                                                                           |
|                            |                        |              |                    | MANUFACTURER           | MODEL    | DIRECT WASTE     | INDIRECT WASTE | VENT   | COLD WATER | HOT WATER |                                                                                                 |
| 403                        | ONE COMPARTMENT SINK   | JOHN BOOS    | 1B184-1D18L-X      | KROWNE METAL           | 14-810L  | ---              | 2"             | ---    | 1/2"       | 1/2"      | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                                   |
| 405                        | MOP SINK               | JOHN BOOS    | PBMS2424-6         | KROWNE METAL           | 16-127   | 3"               | ---            | 1-1/2" | 3/4"       | 3/4"      | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                                   |
| 410                        | POT FILLER             | -            | -                  | KROWNE METAL           | 20-108L  | ---              | 2"             | ---    | 1/2"       | 1/2"      | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                                   |
| 501                        | DISHWASHER             | CHAMPION     | DH6000T-VHR        | ---                    | ---      | ---              | 1-1/2"         | ---    | 3/4"       | ---       | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION. PROVIDE WITH DRAIN TEMPERING KIT. |
| 706                        | WATER FILL STATION     | -            | -                  | FISHER                 | 89494    | ---              | 3/4"           | ---    | 3/8"       | ---       | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                                   |
| 4120                       | HAND SINK              | BK RESOURCES | BKHS-W-1410-SS-P-G | JOHN BOOS              | INCLUDED | 2"               | ---            | 1-1/2" | 1/2"       | 1/2"      | PROVIDE TMV. REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                      |
| 4133                       | THREE COMPARTMENT SINK | JOHN BOOS    | DT3B18244-2D24R    | KROWNE METAL           | 17-109WL | ---              | 2"             | ---    | 1/2"       | 1/2"      | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                                   |
| EQ-3                       | WATER DISPENSER        | -            | -                  | -                      | -        | ---              | ---            | ---    | 3/8"       | ---       | REFER TO KITCHEN EQUIPMENT PLANS (ARCH) FOR MORE INFORMATION.                                   |

| FLOOR DRAIN SCHEDULE                                   |             |              |               |                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------|-------------|--------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MARK                                                   | DESCRIPTION | MANUFACTURER | MODEL         | NOTES                                                                                                                                                                                                                                                                           |
| FD1                                                    | FLOOR DRAIN | JAY R SMITH  | 2005B-NB-P050 | GENERAL SERVICE FLOOR DRAIN WITH DUCO CAST IRON BODY, SEDIMENT BUCKET, FLASHING CLAMP AND 6" SQUARE ADJUSTABLE NICKEL BRONZE STRAINER WITH VANDAL PROOF SCREWS. PROVIDE WITH TRAP PRIMER CONNECTION. OUTLET SIZE AS INDICATED ON DRAWINGS.                                      |
| FS1                                                    | FLOOR SINK  | JAY R SMITH  | 3140-12       | CAST IRON FLANGED SQUARE RECEPTOR WITH SEEPAGE HOLES, ACID RESISTANT COATED INTERIOR, 12"x12"x6" DEEP SUMP, NICKEL BRONZE RIM AND NICKEL BRONZE HALF GRATE. PROVIDE WITH ALUMINUM DOME BOTTOM STRAINER, FLASHING CLAMP AND SECURED GRATE. OUTLET SIZE AS INDICATED ON DRAWINGS. |
| HD1                                                    | HUB DRAIN   | ---          | ---           | SAME SIZE AND MATERIAL AS SANITARY WASTE PIPING UNLESS NOTED OTHERWISE ON PLANS. COORDINATE WITH MILLWORK AND EXTEND ABOVE SLAB ONLY AS HIGH AS NECESSARY.                                                                                                                      |
| NOTES:                                                 |             |              |               |                                                                                                                                                                                                                                                                                 |
| 1. PROVIDE TRAP PRIMER ON DRAINS WHEN REQUIRED BY AHJ. |             |              |               |                                                                                                                                                                                                                                                                                 |

| GREASE INTERCEPTOR SCHEDULE                                            |                               |                 |          |                                                                                                                                                                                                                        |
|------------------------------------------------------------------------|-------------------------------|-----------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MARK                                                                   | FIXTURE                       | MANUFACTURER    | MODEL    | DESCRIPTION                                                                                                                                                                                                            |
| FCO                                                                    | FLOOR CLEANOUT                | MIFAB           | C1100    | ADJUSTABLE FLOOR CLEANOUT WITH LACQUERED CAST IRON BODY AND ANCHOR FLANGE. PROVIDE WITH NICKEL BRONZE TOP.                                                                                                             |
| GI-1                                                                   | GREASE INTERCEPTOR 125 GALLON | SCHIER PRODUCTS | GB-75    | INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. COORDINATE ALL REQUIRED ACCESSORIES, INCLUDING BUT NOT LIMITED TO RISERS, REMOTE PUMPOUT PORT, ETC. COORDINATE REMOTE PUMPOUT PORT IN EXTERIOR WALL WITH LANDLORD. |
| TS                                                                     | TRAP SEAL                     | 2692            | JR SMITH | QUAD CLOSE TRAP SEAL, MATCH PIPE SIZE SHOWN ON PLANS AND SCHEDULES.                                                                                                                                                    |
| NOTES:                                                                 |                               |                 |          |                                                                                                                                                                                                                        |
| 1. CLEANOUTS ARE TO BE THE SAME SIZE AS THE PIPE THEY SERVE, UP TO 4". |                               |                 |          |                                                                                                                                                                                                                        |

| WATER HEATER SCHEDULE                                                                               |               |            |                  |                 |            |                            |                 |    |    |       |
|-----------------------------------------------------------------------------------------------------|---------------|------------|------------------|-----------------|------------|----------------------------|-----------------|----|----|-------|
| MARK                                                                                                | MANUFACTURER  | MODEL      | TANK SIZE (GAL.) | RECOVERY (GAL.) | TEMP. RISE | ELECTRICAL HEAT INPUT (KW) | ELECTRICAL DATA |    |    | NOTES |
|                                                                                                     |               |            |                  |                 |            |                            | V               | PH | HZ |       |
| WH-1                                                                                                | BRAFORD WHITE | CEHD120A30 | 119              | 124             | 100°F      | 30                         | 480             | 3  | 60 | 1-5   |
| NOTES:                                                                                              |               |            |                  |                 |            |                            |                 |    |    |       |
| 1. NON-SIMULTANEOUS HEATING ELEMENTS.                                                               |               |            |                  |                 |            |                            |                 |    |    |       |
| 2. SET OUTLET TEMPERATURE TO 140°F.                                                                 |               |            |                  |                 |            |                            |                 |    |    |       |
| 3. PROVIDE AMTROL (OR EQUAL) EXPANSION TANK AND DRAIN PAN SIZED PER MANUFACTURER'S RECOMMENDATIONS. |               |            |                  |                 |            |                            |                 |    |    |       |
| 4. PROVIDE RECIRCULATION PUMP: TACO 005-SF2.                                                        |               |            |                  |                 |            |                            |                 |    |    |       |
| 5. ROUTE T&P TO FLOOR DRAIN. REFER TO PLANS FOR LOCATION.                                           |               |            |                  |                 |            |                            |                 |    |    |       |

| RECIRCULATION PUMP SCHEDULE |              |          |     |                 |          |
|-----------------------------|--------------|----------|-----|-----------------|----------|
| MARK                        | MANUFACTURER | MODEL    | GPM | TOTAL HEAD (FT) | MOTOR HP |
| RCP-1                       | GRUNDFOS     | UP 15-18 | 2   | 10              | 0.115    |

| NO. | DATE       | DESCRIPTION       |
|-----|------------|-------------------|
| 0   | 10/08/2025 | ISSUE FOR PERMIT  |
| 1   | 11/25/2025 | BUILDING COMMENTS |

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ARCH. PROJECT NO.:  
CDR25024.0  
DESIGN ID: D3-S1-A9-E3  
SHEET NAME

NYE  
NYE

PLUMBING SCHEDULES





SHEET NUMBER  1 **P701**