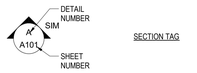
# ALDEN GREEN HOUSE - BID PACKAGE TWO

11580 WALDEN AVE,
ALDEN, NY 14004

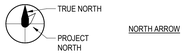
## SYMBOL LEGEND



SECTION TAG



ELEVATION TAG



NORTH ARROW


FINISH FACE OF SURFACES ALIGN



STRUCTURAL GRID TAG



ROOM TAG



DOOR TAG



WALL TAG



WINDOW / LOUVER TAG

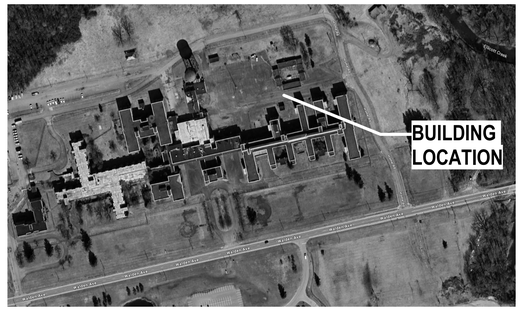


REFER TO DRAWING NOTE

## LOCATION MAP

PROJECT LOCATION

11580 WALDEN AVE,
ALDEN, NY 14004




## GENERAL NOTES:

**1. CONTRACT DOCUMENTS** — ALL CONTRACTORS SHALL EXAMINE THE CONTRACT DOCUMENTS, AND REFERENCED, NON-CONTRACTUAL DOCUMENTS, AND SHALL BE INFORMED OF THE ENTIRE CONTENTS THEREOF PRIOR TO SUBMISSION OF PROPOSAL. ANY ERRORS OR AMBIGUITIES NOTED DURING SAID EXAMINATION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT, PRIOR TO THE SUBMISSION OF A BID. THE ARCHITECT WILL ISSUE AN ADDENDUM OF INTERPRETATION OF THE CITED ERROR OR AMBIGUITY.

NO SUBSEQUENT CLAIM FOR EXTRA WORK WILL BE ALLOWED ON ACCOUNT OF CLAIMED MISUNDERSTANDING OF THE MEANING OR INTENT OF THE CONTRACT DOCUMENTS OF ANY PORTION THEREOF IF THE ITEM OCCASIONING THE CLAIM APPEARED IN, OR WAS INFERABLE FROM, SAID CONTRACT DOCUMENTS AS FURNISHED FOR BIDDING. CONTRACTORS PROPOSE TO PROVIDE ALL REQUIRED MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

**2. CODES** — ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO THE 2020 BUILDING CODES OF NEW YORK STATE, ICC/ANSI 117.1-2017, OSHA REGULATIONS, AND ALL AGENCIES HAVING JURISDICTION OF THIS PROJECT.

**3.EXISTING CONDITIONS** — ALL CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AT THE SITE PRIOR TO BID, COMMENCING WORK, AND FABRICATION OF ANY MATERIALS. CONTRACTORS SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT PRIOR TO CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, EXISTING UTILITIES.

**4.SAFETY** — IMPLEMENTING JOB SITE SAFETY CONSTRUCTION PROCEDURES AND COMPLIANCE WITH ALL (OSHA) RELATED SAFETY REGULATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTORS AND THEIR SUBCONTRACTORS.

THE FOLLOWING SHALL BE MAINTAINED AND/OR PROVIDED IN COMPLIANCE WITH CURRENT OSHA STANDARDS IN ADDITION TO ALL OTHER GOVERNING CODES AND ORDINANCES;

- ADEQUATE EXITS AND UNOBSTRUCTED ACCESS TO SUCH SHALL BE MAINTAINED
- VISIBLE EXIT SIGNAGE SHALL BE PROVIDED OR MAINTAINED
- FIRE PROTECTION PROGRAM AS WELL AS EQUIPMENT SHALL BE PROVIDED BY CONTRACTOR
- ACCESS TO A SUFFICIENT WATER SUPPLY SHALL BE AVAILABLE UPON ACCUMULATION OF COMBUSTIBLE MATERIAL
- FIRE EXTINGUISHING DEVICES AND EQUIPMENT OF PROPER RATING, STANDARD, AND LOCATION
- SERVICE OF FIRE RESPONSE SYSTEMS SHALL BE MAINTAINED AND CHECKED DAILY TO INSURE THAT PROTECTION IS IN SERVICE. INSIDES OF ALL ELECTRICAL AND TELEPHONE ROOMS.

**5. MEANS AND METHODS** — THE MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTORS AND THEIR SUBCONTRACTORS. ALL CONTRACTORS ARE RESPONSIBLE TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FORMWORK, STAGING, BRACING, SHEETING AND SHORING, RESHORING, ETC.—THIS INCLUDES THAT REQUIRED FOR THE CONTRACTOR VEHICLES, FORKLIFTS, MOBILE CRANES, MATERIALS STORAGE, ETC.

**6. COORDINATION** — ALL CONTRACTORS AND THEIR SUBCONTRACTORS ARE RESPONSIBLE FOR THE THOROUGH COORDINATION OF THE WORK WITH EACH OTHER. OBTAIN ALL NECESSARY INFORMATION REQUIRED FOR A WELL-COORDINATED INSTALLATION OF THE WORK. NO CLAIMS FOR ADDITIONAL WORK WILL BE ACCEPTED FOR WORK RELATED TO SUCH COORDINATION.

**7. JOB SITE** — EACH CONTRACTOR SHALL KEEP THE JOB SITE FREE OF DEBRIS AND IS RESPONSIBLE FOR DAILY CLEAN UP. ROADWAYS AND SIDEWALKS SHALL BE KEPT FREE OF DEBRIS. TRASH CONTAINERS SHALL BE EMPTIED IN A TIMELY MANNER.

**8. PROTECTION AND RESTORATION** — ALL CONTRACTORS AND THEIR SUBCONTRACTORS SHALL PROTECT AND NOT DAMAGE EXISTING FINISHES, EQUIPMENT, PROPERTY, ETC. DURING THE WORK. ALL DAMAGED AREAS SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITIONS.

ALL CONTRACTORS SHALL RESTORE EXISTING WALL ASSEMBLIES TO MATCH EXISTING CONSTRUCTION AND FINISH AS REQUIRED AT ALL NEW PENETRATIONS AND OPENINGS. ALL ABANDONED OPENINGS AT WALLS, ROOF, OR FLOOR SHALL BE INFILLED WITH PERMANENT CONSTRUCTION.

WHERE REMOVAL OF EXISTING CONSTRUCTION RESULTS IN DEPRESSIONS AND/OR UNEVEN CONDITIONS, PATCH, LEVEL, AND FEATHER AREAS AS REQUIRED TO PROVIDE UNIFORMITY OF NEW CONSTRUCTION.

**9. FIRE RATINGS** — THE EXISTING MEANS OF FIRE RATING, INCLUDING BUT NOT LIMITED TO RATED WALL AND FLOOR ASSEMBLIES, FIRE STOPS, DRAFT STOPS, PENETRATION, AND FIRE SAFING, MUST BE MAINTAINED. FIRE ALARM, SPRINKLER AND STANDPIPE SYSTEMS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES. FIRE PROTECTION SYSTEMS DISTURBED OR DAMAGED DUE TO CONSTRUCTION ACTIONS, SHALL BE REPAIRED BY THE CONTRACTOR TO MAINTAIN FIRE RATINGS AND PROTECTIONS.

**10. FACILITY OPERATIONS** — CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF ADJACENT FUNCTIONS/BUILDINGS. ALL WORK, DELIVERIES AND OTHER CONSTRUCTION RELATED ACTIVITIES SHALL ADHERE IN STRICT ACCORDANCE TO LOCAL RESTRICTIONS AND CONDITIONS. CONTRACTORS ARE TO HAVE A COPY OF SAID REQUIREMENTS AND CONDITIONS AVAILABLE AT THE JOB SITE AT ALL TIMES FOR REVIEW.

**11. QUALITY** — ALL CONTRACTORS SHALL PROVIDE ALL MATERIALS INDICATED GRAPHICALLY OR AS NOTED. ALL MATERIALS USED IN CONSTRUCTION SHALL BE NEW AND FREE FROM DEFECTS. INSTALL ALL MATERIALS TO THE MANUFACTURER'S RECOMMENDATIONS AND TO ACCEPTABLE PROFESSIONAL TRADE INDUSTRY STANDARDS FOR WORK OF SIMILAR SCOPE AND CHARACTER. WORK SHALL NOT VOID ANY WARRANTIES OR IMPEDE THE PERFORMANCE OF ANY INSTALLED SYSTEM.

ALL WORK OF THE PROJECT SHALL BE PERFORMED CAREFULLY AND SKILLFULLY BY WORKERS ADEPT IN THEIR TRADES. SHOULD ANY MATERIAL OR WORKMANSHIP BE FOUND TO BE DEFECTIVE, IT SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

**12. DRAWINGS** — DO NOT SCALE DRAWINGS. ALL WALL, PARTITION, AND STRUCTURAL DIMENSIONS ARE ACTUAL, AND ARE DIMENSIONED TO THE FACE OF THE PARTITION, UNLESS INDICATED OTHERWISE. ALL DIMENSIONS, NOTES, AND DETAILS SHOWING A PORTION OF A DRAWING SHALL APPLY TYPICALLY TO ALL OPPOSITE HAND AND/OR SIMILAR CONDITIONS. CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS REQUIRED FOR THE SCOPE OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

**13. INCIDENTAL BLOCKING** — PROVIDE ALL INCIDENTAL WOOD BLOCKING AS REQUIRED FOR ATTACHMENT OF FINISHES, AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO MILLWORK, CASEWORK, AND COUNTERTOPS.

**14. INSPECTIONS** — CONTRACTORS SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR ALL REQUIRED INSPECTIONS.

**15. OWNER-PROVIDED EQUIPMENT** — ALL CONTRACTORS SHALL OBTAIN ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT FROM OWNER PRIOR TO INSTALLATION.

**16. HAZARDOUS MATERIALS** — TESTING WAS PERFORMED PRIOR TO THE PROJECT TO IDENTIFY HAZARDOUS MATERIALS THAT MAY BE DISTURBED BY THE PLANNED DEMOLITION.

REFER TO THE SURVEY REPORT BY REQUEST TO THE OWNER FOR A LIST OF BUILDING COMPONENTS ASSOCIATED WITH THE PROPOSED RENOVATIONS IDENTIFIED TO BE ASBESTOS OR LEAD-CONTAINING, IF ANY.

PER THE REPORT: "ASBESTOS CONTAIN MATERIALS WERE NOT IDENTIFIED ABOVE 1% IN MATERIALS THAT WERE SAMPLED. LEAD BASED PAINT WAS NOT IDENTIFIED FOR AREAS THAT WERE TESTED. PCBS IN CAULK HAZARDS WERE ALSO NOT IDENTIFIED."

FURNISHING OF THIS INFORMATION IS NOT INTENDED TO RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES UNDER OSHA TO DETERMINE THE PRESENCE, LOCATION, AND QUANTITY OF EXISTING LEAD-CONTAINING MATERIALS THAT THEIR EMPLOYEES MAY BE EXPOSED TO, AND TO WARN THEIR EMPLOYEES OF THE POTENTIAL DANGERS OF THE DISTURBANCE OF ASBESTOS OR LEAD-CONTAINING MATERIALS.

ALL CONTRACTORS ARE RESPONSIBLE FOR MAKING THEMSELVES AND THEIR EMPLOYEES AWARE OF THE PRESENCE, LOCATION, AND QUANTITY OF EXISTING ASBESTOS CONTAINING BUILDING MATERIALS, AND TO WARN THEIR EMPLOYEES OF THE POTENTIAL DANGERS OF EXPOSURE TO ASBESTOS. ANY DISTURBANCE OF ASBESTOS CONTAINING MATERIALS SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR, EMPLOYING CERTIFIED WORKERS.

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH OSHA 29 CFR 1926.62: LEAD EXPOSURE IN CONSTRUCTION; INTERIM FINAL RULE FOR ALL ACTIVITIES DURING WHICH AN EMPLOYEE MAY BE OCCUPATIONALLY EXPOSED TO LEAD.

ANY QUESTIONABLE MATERIAL OR MATERIAL SUSPECTED TO CONTAIN ASBESTOS SHALL NOT BE DISTURBED AND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR THE OWNER'S REPRESENTATIVE FOR AN ACCURATE INTERPRETATION AND/OR SAMPLING AND ANALYSIS. ASBESTOS TESTING REPORTS ARE AVAILABLE BY REQUEST TO THE OWNER.

## ABBREVIATIONS:

| | | | | | |
|---|---|---|---|---|---|
| AB | ANCHOR BOLT | FE | FIRE EXTINGUISHER | PLBG | PLUMBING |
| ABV | ABOVE | FF | FINISHED FLOOR | PNT | PAINT / PAINTED |
| A/C | AIR CONDITIONING | FF&E | FURNITURE, FIXTURE, & EQUIPMENT | PSF | POUNDS PER SQUARE FOOT |
| ACT | ACOUSTICAL TILE OR PANEL | FIN | FINISH | PSI | POUNDS PER SQUARE INCH |
| ADA | AMERICANS W/ DISABILITIES ACT | FLR | FLOOR | PT | PORCELAIN TILE / PAVER TILE |
| ADD | ADDENDUM | FLM | FLOOR MAT | PVMT | PAVEMENT |
| AFF | ABOVE FINISHED FLOOR | FOS | FACE OF STUD | PVC | POLYVINYL CHLORIDE |
| AFG | ABOVE FINISHED GRADE | FOW | FACE OF WALL | | |
| AHU | AIR HANDLING UNIT | FR | FRAME | QT | QUARRY TILE |
| AL | ALUMINUM | FT | FEET / FOOT | QTY | QUANTITY |
| ALT | ALTERNATE / ALTERNATIVE | FTG | FOOTING | | |
| ANOD | ANODIZED | FURR | FURRING | R | RADIUS / RISER / THERMAL RESISTANCE |
| APPROX | APPROXIMATE | FV | FIELD VERIFY | RA | RETURN AIR |
| ARCH | ARCHITECT / ARCHITECTURAL | | | RAD | RADIATOR |
| ASSY | ASSEMBLY | G | GAS | RB | RUBBER BASE |
| ASTM | AMERICAN SOCIETY FOR TESTING & MATERIALS | GA | GAUGE | RCP | REFLECTED CEILING PLAN |
| | | GALV | GALVANIZED | RD | ROOF DRAIN |
| AV | AUDIO VISUAL | GB | GRAB BAR / GRADE BEAM | REC | RECESSED |
| AWG | AMERICAN WIRE GAUGE | GC | GENERAL CONTRACTOR | RECPT | RECEPTACLE |
| | | GL | GLASS | REF | REFERENCE |
| BC | BUILDING CODE | GND | GROUND | REINF | REINFORCING |
| BD | BOARD | GR | GRADE | REQD | REQUIRED |
| BFF | BELOW FINISH FLOOR | GWB | GYPSUM WALL BOARD | RES | RESILIENT |
| BITUM | BITUMINOUS | GYP | GYPSUM | REV | REVISION |
| BKSPL | BACKSPLASH | | | RH | RIGHT HAND |
| BLDG | BUILDING | H | HIGH | RHR | RIGHT HAND REVERSE |
| BLK | BLOCK | HB | HOSE BIB | RL | ROOF LEADER |
| BLKG | BLOCKING | HC | HANDICAPPED | RM | ROOM |
| BM | BEAM / BENCH MARK | HM | HOLLOW METAL | RO | ROUGH OPENING |
| BOS | BOTTOM OF STEEL | HP | HIGH POINT / HORSEPOWER | ROW | RIGHT OF WAY |
| BTWN | BETWEEN | HT | HEIGHT | RTU | ROOF TOP UNIT |
| BTM | BOTTOM | HVAC | HEATING, VENTILATING, AIR CONDITIONING | RV | ROOF VENT |
| BTU | BRITISH THERMAL UNIT | | | | |
| BUR | BUILTUP ROOF | IBC | INTERNATIONAL BUILDING CODE | SF | SQUARE FOOT / SQUARE FEET |
| | | IMP | INSULATED METAL PANEL | SHT | SHEET |
| CAB | CABINET | IN | INCH | SIM | SIMILAR |
| CB | CATCH BASIN | INCL | INCLUDING / INCLUDED | SP | SPACE / STAND PIPE |
| CEM | CEMENT | INSUL | INSULATION / INSULATED | SPECS | SPECIFICATIONS |
| CG | CORNER GUARD | INT | INTERIOR | SQ | SQUARE |
| CGT | CERAMIC GLAZED TILE | INV | INVERT | SS | STAINLESS STEEL |
| CJ | CONTROL JOINT | IP | IRON PIPE | ST | STORM DRAINAGE LINE |
| CL | CENTERLINE | | | STC | SOUND TRANSMISSION COEFFICIENT |
| CLG | CEILING | JAN | JANITOR | STD | STANDARD |
| CLO | CLOSET | JT | JOINT | STL | STEEL |
| CLR | CLEAR | | | STRUCT | STRUCTURAL |
| CLS | CLOSURE | LAB | LABORATORY | SUSP | SUSPENDED |
| CMT | CERAMIC MOSAIC TILE | LAM | LAMINATED | SYM | SYMMETRICAL |
| CMU | CONCRETE MASONRY UNIT | LAV | LAVATORY | | |
| CO | CLEANOUT | LB | POUND | TB | THROUGH BOLT |
| COL | COLUMN | LF | LINEAR FEET / LINEAR FEET | TEL | TELEPHONE |
| COMB | COMBINATION | LG | LONG | TER | TERRAZZO |
| CONC | CONCRETE | LH | LEFT HAND | T&G | TONGUE & GROOVE |
| COND | CONDENSER | LHR | LEFT HAND REVERSE | THK | THICK |
| CONF | CONFERENCE | LIN | LINEAR | TOC | TOP OF CONCRETE |
| CONST | CONSTRUCTION | LKR | LOCKER | TOF | TOP OF FOOTING |
| CONT | CONTINUOUS | LLH | LONG LEG HORIZONTAL | TOJ | TOP OF JOIST |
| COORD | COORDINATE | LLV | LONG LEG VERTICAL | TOP | TOP OF PIER |
| CORR | CORRIDOR / CORRUGATED | LL | LIVE LOAD | TOS | TOP OF STEEL |
| CPT | CARPET | LOC | LOCATION | TOW | TOP OF WALL |
| CT | CERAMIC TILE | LP | LOW POINT | TP | TOP OF PAVEMENT |
| CTR | CENTER | LT | LIGHT | TYP | TYPICAL |
| | | LVR | LOUVER | | |
| DEMO | DEMOLISH / DEMOLITION | | | UBC | UNIFORM BUILDING CODE |
| DET | DETAIL | MAX | MAXIMUM | UC | UNDERCUT |
| DF | DRINKING FOUNTAIN | MB | MACHINE BOLT | UG | UNDERGROUND |
| DH | DOUBLE HUNG | MC | MECHANICAL CONTRACTOR | UH | UNIT HEATER |
| DIA | DIAMETER | MECH | MECHANICAL | UL | UNDERWRITERS LABORATORIES |
| DIAG | DIAGONAL | MED | MEDIUM | UNFIN | UNFINISHED |
| DIFF | DIFFUSER | MET | METAL | UNO | UNLESS NOTED OTHERWISE |
| DIM | DIMENSION | MEZZ | MEZZANINE | UTIL | UTILITY |
| DISP | DISPENSER | MFG | MANUFACTURING | | |
| DL | DEAD LOAD | MFR | MANUFACTURER | VAR | VARIES |
| DN | DOWN | MH | MANHOLE | VCT | VINYL COMPOSITION TILE |
| DR | DOOR | MHT | MOUNTING HEIGHT | VERT | VERTICAL |
| DS | DOWN SPOUT | MIN | MINIMUM | VEST | VESTIBULE |
| DWG | DRAWING | MISC | MISCELLANEOUS | VIF | VERIFY IN FIELD |
| | | ML | MATCH LINE | | |
| EA | EACH | | | W/ | WITH |
| EC | ELECTRICAL CONTRACTOR | N | NORTH | W/O | WITHOUT |
| EF | EXHAUST FAN / EACH FACE | NA | NOT APPLICABLE | WC | WATER CLOSET |
| EIFS | EXTERIOR INSULATION & FINISH SYSTEM | NIC | NOT IN CONTRACT | WD | WOOD |
| | | NOM | NOMINAL | WL | WIND LOAD |
| EJ | EXPANSION JOINT | NRC | NOISE REDUCTION COEFFICIENT | | |
| EL | ELEVATION | NTS | NOT TO SCALE | | |
| ELECT | ELECTRICAL | | | | |
| ELEV | ELEVATOR | OC | ON CENTER | | |
| ENCL | ENCLOSURE | OFCI | OWNER FURNISHED-CONTRACTOR INSTALLED | | |
| EP | ELECTRICAL PANEL | | | | |
| EPDM | ETHYLENE PROPYLENE DIENE MONOMER | OH | OVERHEAD | | |
| EQ | EQUAL | OPG | OPENING | | |
| EQUIP | EQUIPMENT | OPP | OPPOSITE | | |
| EXIST | EXISTING | OPH | OPPOSITE HAND | | |
| EXP | EXPANSION | | | | |
| EXT | EXTERIOR | PC | PLUMBING CONTRACTOR | | |
| EXTR | EXTRUDED / EXTRUSION | PCC | PRECAST CONCRETE | | |
| | | PCF | POUNDS PER CUBIC FOOT | | |
| FCU | FAN COIL UNIT | PERF | PERFORATED | | |
| FD | FLOOR DRAIN | PL | PLATE / PROPERTY LINE | | |
| FDN | FOUNDATION | PLAM | PLASTIC LAMINATE | | |

## DRAWING LIST

| NUMBER | SHEET NAME | INITIAL ISSUE DATE | REVISION HISTORY |
|---|---|---|---|
| G102 | GENERAL INFORMATION | 11/26/2025 | |
| G103 | OVERALL FLOOR PLAN AND BUILDING CODE INFORMATION | 11/26/2025 | |
| A101 | FLOOR PLAN | 11/26/2025 | |
| A101a | PARTIAL FLOOR PLAN AREA-A | 11/26/2025 | |
| A101b | PARTIAL FLOOR PLAN AREA-B | 11/26/2025 | |
| A102 | OVERALL DIMENSION FLOOR PLAN | 11/26/2025 | |
| A102a | PARTIAL DIMENSION FLOOR PLAN AREA-A | 11/26/2025 | |
| A102b | PARTIAL DIMENSION FLOOR PLAN AREA-B | 11/26/2025 | |
| A103 | OVERALL EQUIPMENT AND FURNITURE PLAN | 11/26/2025 | |
| A103a | PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-A | 11/26/2025 | |
| A103b | PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-B | 11/26/2025 | |
| A104 | OVERALL REFLECTED CEILING PLAN | 11/26/2025 | |
| A104a | PARTIAL REFLECTED CEILING PLAN AREA-A | 11/26/2025 | |
| A104b | PARTIAL REFLECTED CEILING PLAN AREA-B | 11/26/2025 | |
| A105 | ROOF PLAN AND DETAILS | 11/26/2025 | |
| A201 | EXTERIOR ELEVATIONS | 11/26/2025 | |
| A301 | BUILDING SECTIONS | 11/26/2025 | |
| A401 | WALL SECTIONS | 11/26/2025 | |
| A402 | WALL SECTIONS | 11/26/2025 | |
| A403 | WALL SECTIONS | 11/26/2025 | |
| A410 | CANOPY SECTION & DETAILS | 11/26/2025 | |
| A411 | STAIR DETAILS | 11/26/2025 | |
| A412 | CANOPY DETAILS | 11/26/2025 | |
| A420 | PLAN DETAILS | 11/26/2025 | |
| A421 | ENLARGED DETAILS | 11/26/2025 | |
| A450 | ENLARGED FLOOR PLANS, DETAILS AND INTERIOR ELEVATIONS | 11/26/2025 | |
| A451 | ENLARGED FLOOR PLANS, DETAILS AND INTERIOR ELEVATIONS | 11/26/2025 | |
| A452 | STAIR DETAILS | 11/26/2025 | |
| A501 | DOOR SCHEDULE, TYPES AND DETAILS | 11/26/2025 | |
| A502 | DOOR DETAILS | 11/26/2025 | |
| A503 | WINDOW SCHEDULE, TYPES AND DETAILS | 11/26/2025 | |
| A601 | OVERALL FINISHES PLAN | 11/26/2025 | |
| A602 | ROOM FINISH SCHEDULE AND DETAILS | 11/26/2025 | |
| F001 | FIRE PROTECTION NOTES, SCHEDULE, LEGEND AND DETAILS | 11/26/2025 | |
| F101 | OVERALL FIRST FLOOR FIRE PROTECTION PLAN | 11/26/2025 | |
| F102 | OVERALL ATTIC SPACE/UPRIGHT FIRE PROTECTION PLAN | 11/26/2025 | |
| P002 | PLUMBING NOTES AND SCHEDULES | 11/26/2025 | |
| P102 | OVERALL FIRST FLOOR PLUMBING PLAN | 11/26/2025 | |
| P102a | PARTIAL FIRST FLOOR PLUMBING PLAN AREA A | 11/26/2025 | |
| P102b | PARTIAL FIRST FLOOR PLUMBING PLAN AREA B | 11/26/2025 | |
| P103 | OVERALL PLUMBING ROOF PLAN | 11/26/2025 | |
| P401 | ENLARGED PLUMBING PLANS | 11/26/2025 | |
| P502 | PLUMBING DETAILS | 11/26/2025 | |
| M001 | MECHANICAL NOTES, SYMBOLS AND LEGENDS | 11/26/2025 | |
| M002 | MECHANICAL SCHEDULES | 11/26/2025 | |
| M101 | OVERALL FIRST FLOOR MECHANICAL DUCTWORK PLAN | 11/26/2025 | |
| M101A | FIRST FLOOR MECHANICAL DUCTWORK PLAN - AREA A | 11/26/2025 | |
| M101B | FIRST FLOOR MECHANICAL DUCTWORK PLAN - AREA B | 11/26/2025 | |
| M102 | OVERALL FIRST FLOOR MECHANICAL PIPING PLAN | 11/26/2025 | |
| M102A | FIRST FLOOR MECHANICAL PIPING AND EQUIPMENT PLAN - AREA A | 11/26/2025 | |
| M102B | FIRST FLOOR MECHANICAL PIPING AND EQUIPMENT PLAN - AREA B | 11/26/2025 | |
| M103 | OVERALL ROOF MECHANICAL PLAN | 11/26/2025 | |
| M103A | ROOF MECHANICAL PLAN - AREA A | 11/26/2025 | |
| M103B | ROOF MECHANICAL PLAN - AREA B | 11/26/2025 | |
| M401 | ENLARGED MECHANICAL PLANS | 11/26/2025 | |
| M501 | MECHANICAL DETAILS | 11/26/2025 | |
| E001-2 | SYMBOL LEGEND, DETAILS & SCHEDULES | 11/26/2025 | |
| E002-2 | ELECTRICAL DETAILS | 11/26/2025 | |
| E003 | ELECTRICAL DETAILS | 11/26/2025 | |
| E004 | GROW LIGHTING ELECTRICAL DETAILS | 11/26/2025 | |
| E005 | MECHANICAL EQUIPMENT CONNECTION SCHEDULE | 11/26/2025 | |
| E006 | LIGHTING CONTROL DETAILS | 11/26/2025 | |
| E102 | OVERALL FIRST FLOOR POWER & SYSTEMS PLAN | 11/26/2025 | |
| E102a | PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN AREA-A | 11/26/2025 | |
| E102b | PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN AREA-B | 11/26/2025 | |
| E103 | OVERALL FIRST FLOOR COMMUNICATIONS & SECURITY PLAN | 11/26/2025 | |
| E103a | PARTIAL FIRST FLOOR COMMUNICATIONS & SECURITY PLAN AREA-A | 11/26/2025 | |
| E103b | PARTIAL FIRST FLOOR COMMUNICATIONS & SECURITY PLAN AREA-B | 11/26/2025 | |
| E104 | ELECTRICAL ROOF PLAN | 11/26/2025 | |
| E201 | OVERALL FIRST FLOOR LIGHTING PLAN | 11/26/2025 | |
| E201a | PARTIAL FIRST FLOOR LIGHTING PLAN AREA-A | 11/26/2025 | |
| E201b | PARTIAL FIRST FLOOR LIGHTING PLAN AREA-B | 11/26/2025 | |
| E202a | PARTIAL FIRST FLOOR LIGHTING PLAN FLOWER ROOMS 1, 2,3 | 11/26/2025 | |
| E202b | PARTIAL FIRST FLOOR LIGHTING PLAN FLOWER ROOMS 4, 5, 6 | 11/26/2025 | |
| E202c | PARTIAL FIRST FLOOR LIGHTING PLAN FLOWER ROOMS 7, 8, 9 | 11/26/2025 | |
| E202d | PARTIAL FIRST FLOOR LIGHTING PLAN VEG ROOMS 1, 2 | 11/26/2025 | |
| E304 | ELECTRICAL SITE LIGHTING PLAN | 11/26/2025 | |
| E305 | ELECTRICAL SITE PLAN - COMMUNICATIONS CABLING | 11/26/2025 | |
| E501 | ONE-LINE DIAGRAM | 11/26/2025 | |
| E601 | PANEL SCHEDULES | 11/26/2025 | |
| E602 | PANEL SCHEDULES - EMERGENCY, GENERAL | 11/26/2025 | |
| E603 | PANEL SCHEDULES - FLOWER ROOMS | 11/26/2025 | |
| E604 | PANEL SCHEDULES - FLOWER ROOMS | 11/26/2025 | |
| E605 | PANEL SCHEDULES - PACKAGING CORRIDOR | 11/26/2025 | |
| E606 | PANEL SCHEDULES - PROCESS MECHANICAL | 11/26/2025 | |
| E607 | PANEL SCHEDULES - VEG, FERT | 11/26/2025 | |
| E608 | PANEL SCHEDULES - MECHANICAL | 11/26/2025 | |
| E609 | PANEL SCHEDULES - OFFICE CORRIDOR | 11/26/2025 | |


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028810
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4/30/2026
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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** GENERAL INFORMATION

**Sheet Number:** G102

# BUILDING CODE REQUIREMENT

PROJECT IS DESIGNED IN COMPLIANCE WITH APPLICABLE PROVISIONS OF 2020 BUILDING CODE OF NEW YORK STATE

**OCCUPANT LOAD:**

270 OCCUPANTS

**PLUMBING FIXTURES:**

| | | REQUIRED | ACTUAL |
|---|---|---|---|
| B | FACTORY (F-1) | | |
| | WATER CLOSETS | 3 | 11 + 4 URINALS |
| | LAVATORIES | 3 | 13 |
| | DRINKING FOUNTAINS | 1 | 1 |
| | MOP SINK | 1 | 3 |

**EGRESS WIDTHS:**

| | | | |
|---|---|---|---|
| A | FACTORY (F-1) | 54" | 238" |

# BUILDING CODE REQUIREMENT

PROJECT IS DESIGNED IN COMPLIANCE WITH APPLICABLE PROVISIONS OF 2020 BUILDING CODE OF NEW YORK STATE

**CONSTRUCTION TYPE:** 2B

**PROJECT TYPE:** NEW CONSTRUCTION

**OCCUPANCY CLASSIFICATION:**

F-1 FACTORY

**AUTOMATIC SPRINKLER SYSTEM:** PROVIDED THROUGHOUT

**MEANS OF EGRESS:**

MAX TRAVEL DISTANCE (*TABLE 1017.2*) F-1 250 FT

CORRIDOR FIRE RATING: (*TABLE 1020.1*) F-1 0 HR

**BUILDING AREAS (TABLE 506.2):**

| ZONE: | | ACTUAL GSF | ALLOWABLE GSF |
|---|---|---|---|
| A | FACTORY (F-1) | 58,333 SF | 62,000 SF |

NOTE: BUSINESS & STORAGE USES ARE LESS THAN 10% OF BUILDING AREA.

# SYMBOLS

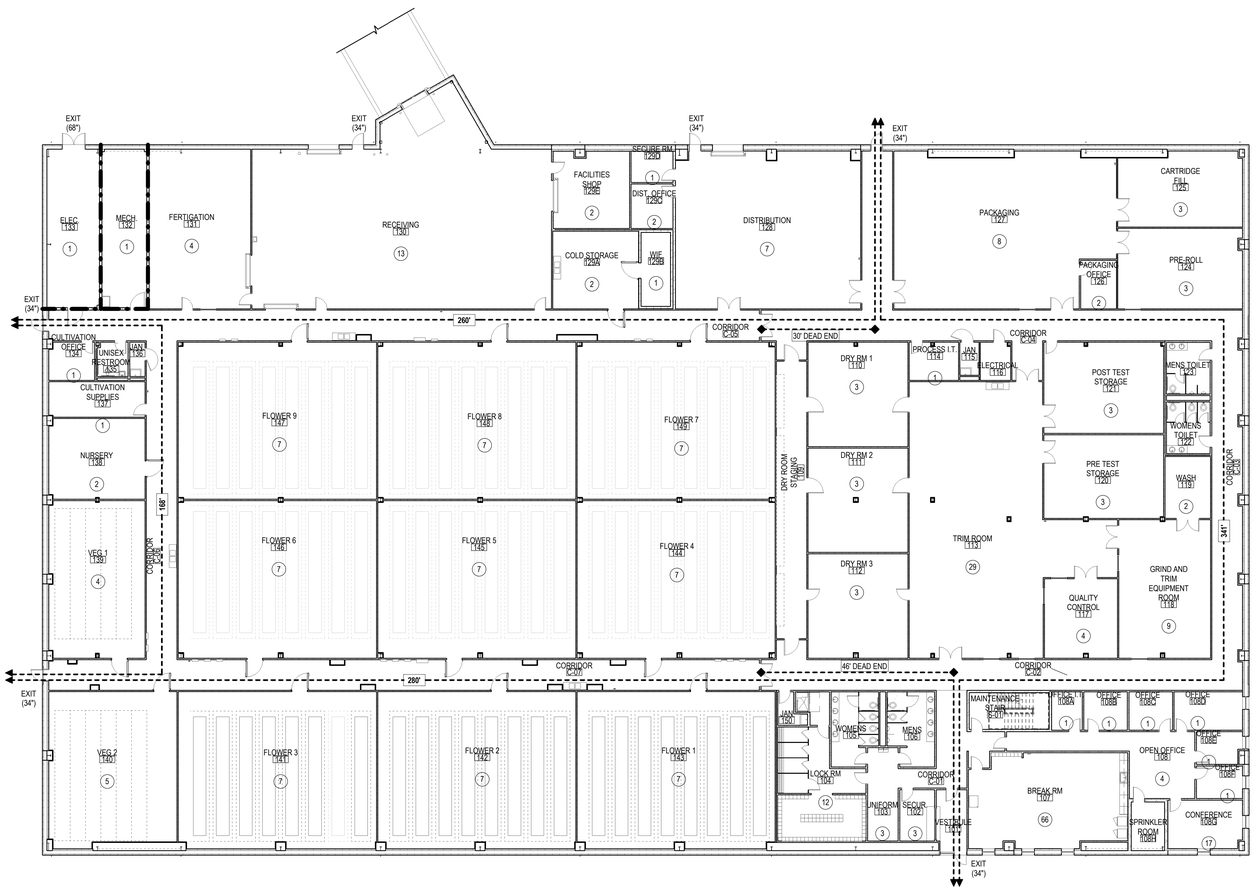
1 HOUR FIRE PARTITION

ROOM NAME — ROOM NAME

100 — ROOM NUMBER

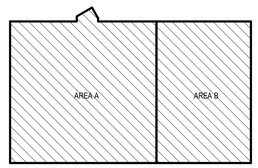
(#) — CALCULATED ROOM OCCUPANCY

XXX — EGRESS PATH




## 1 FLOOR PLAN - OVERALL CODE ANALYSIS

1/16" = 1'-0"




## KEY PLAN

NOT TO SCALE


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**Project:** Alden Green House

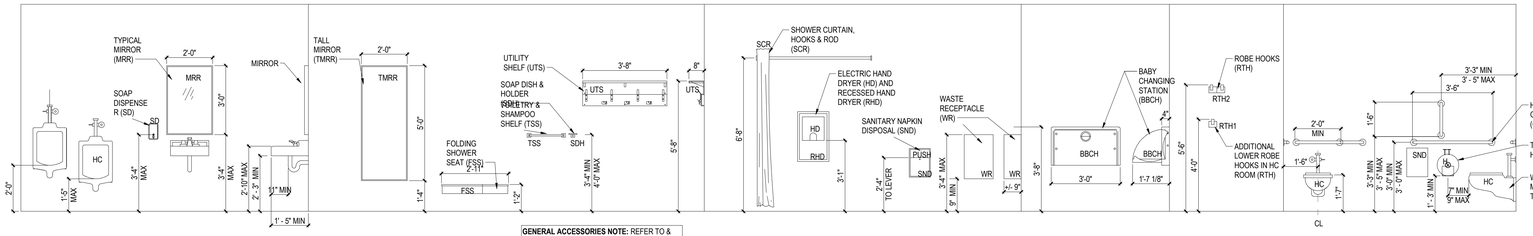
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

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| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** OVERALL FLOOR PLAN AND BUILDING CODE INFORMATION

**Sheet Number:** G103




TOILET ACCESSORIES NOTES: PROVIDE SOLID WOOD BLOCKING FOR ALL TOILET ACCESSORIES MOUNTED IN GWB PARTITIONS. GROUT CMU CORES AT AREAS TO RECEIVE TOILET ACCESSORIES.

**GENERAL ACCESSORIES NOTE:** REFER TO & COORDINATE WITH MANUF. RECOMMENDATIONS FOR ACCESSIBLE MOUNTING HEIGHTS.

## 4 TYP MOUNTING HEIGHTS

3/8" = 1'-0"

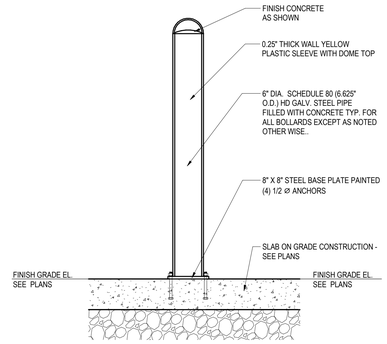
## MISCELLANEOUS LINTEL SCHEDULE

(NON-LOAD BEARING WALLS ONLY)

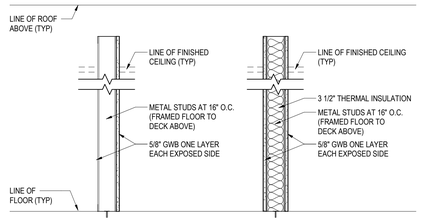
| WALL THICKNESS | MASONRY OPENING | | | DETAIL |
|---|---|---|---|---|
| | UP TO 4'-0" | 4'-1" TO 6'-0" | 6'-1" TO 8'-0" | |
| 4" | L 3 1/2 x 3 1/2 x 1/4 OR ST3 x 6.25 | | | ⌟ OR ⊥ |
| 6" | 2 L'S 3 1/2 x 2 1/2 x 5/16 | WT 7 x 11 | WT 7 x 11 | ⌟⊥ OR ⊥ |
| 8" | 2 L'S 3 1/2 x 3 1/2 x 1/4 | 2 L'S 4 x 3 1/2 x 5/16 | 2 L'S 5 x 3 1/2 x 5/16 | ⌟⊥ |
| 10" | L 5 x 3 1/2 x 1/4<br>L 4 x 4 x 1/4 | L5 x 3 1/2 x 5/16<br>L 4 x 4 x 5/16 | L5 x 5 x 5/16<br>L 4 x 4 x 5/16 | ⌟⊥ |
| 12" | 3 L'S 3 1/2 x 3 1/2 x 5/16 | 3 L'S 4 x 3 1/2 x 5/16 | 3 L'S 6 x 3 1/2 x 5/16 | ⌟ ⌟⊥ |
| BEARING LENGTH | 4" | 6" | 8" | ALL ANGLES L.L.V. |

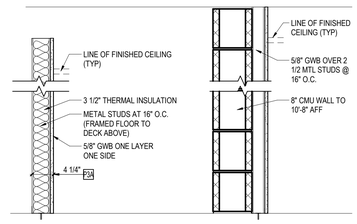
LINTEL SCHEDULE NOTES:

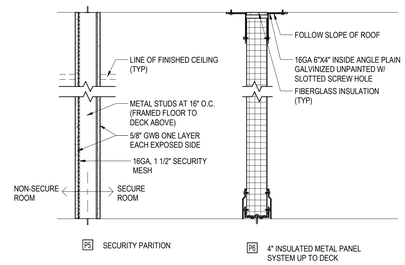
1. HOT-DIP GALVANIZE ALL PIECES OF ALL LINTELS IN EXTERIOR WALLS.
2. LINTELS FOR OPENINGS LARGER THAN 8' X 8' FOR HVAC, ELECTRICAL AND PLUMBING SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. COORDINATE QUANTITY, LOCATION AND SIZES WITH ALL TRADES.
3. PROVIDE MASONRY BOND BEAM LINTELS WHERE INDICATED ON DRAWINGS. TYPICAL AT WINDOW AND DOOR MASONRY OPENINGS WHERE MAXIMUM MASONRY OPENING IS 6'-0".
4. LINTELS ON EXTERIOR WALLS SHALL HAVE A MINIMUM THICKNESS OF 5/16".
5. FOR OPENINGS ON MASONRY WALLS NOT MARKED ON PLAN, USE APPROPRIATE SIZE FROM THIS TABLE OR CONTACT ARCHITECT / ENGINEER.

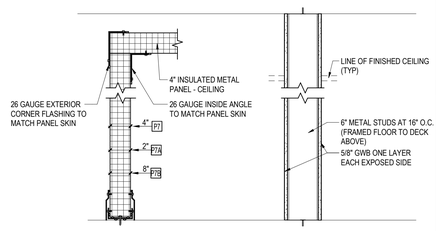



## TYPICAL INTERIOR BOLLARD



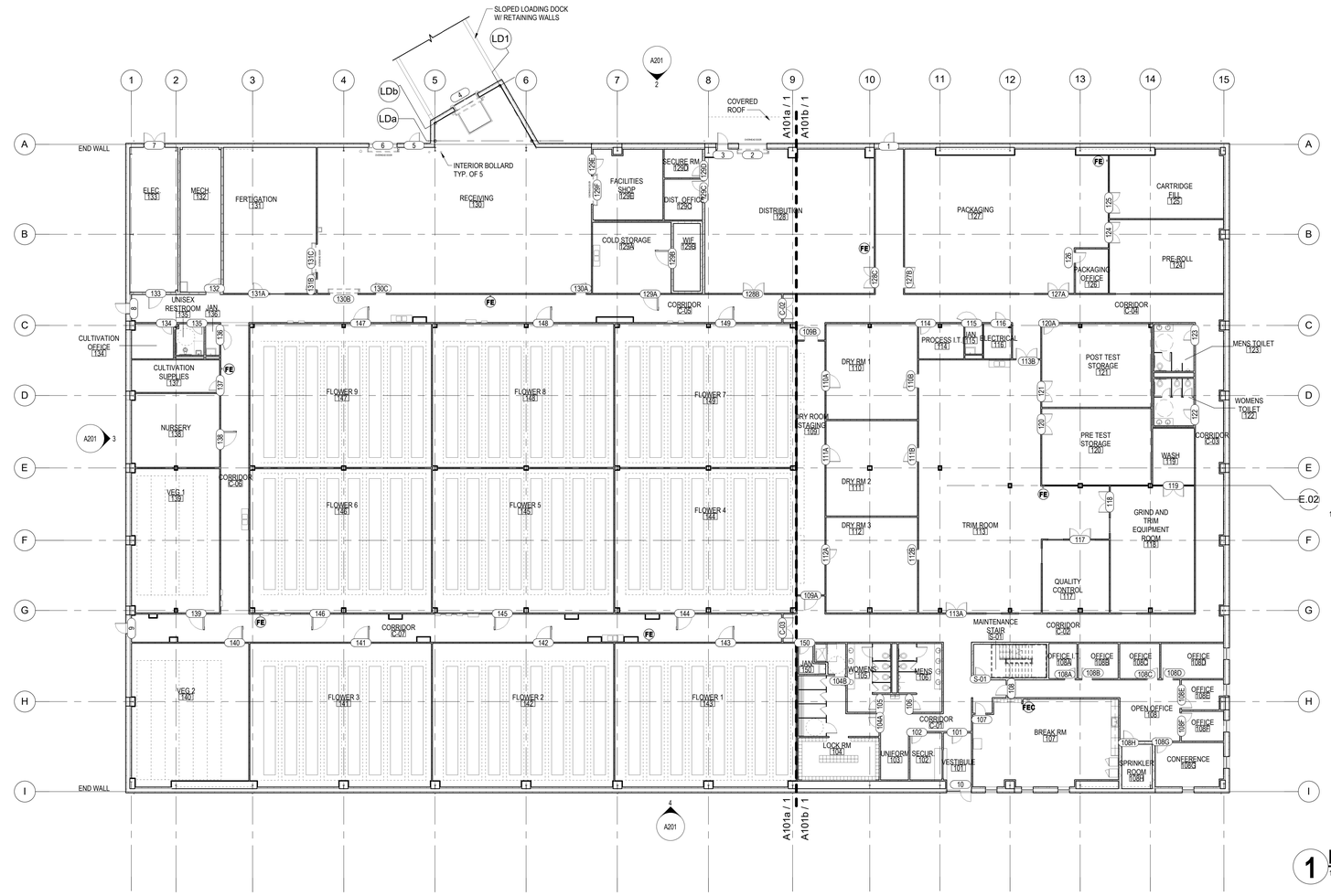




## WALL TYPES

1" = 1'-0"

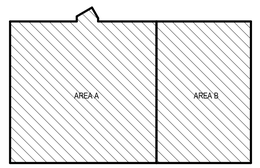



WALL HUNG FIRE EXTINGUISHER (FE)

SEMI-RECESSED FIRE EXTINGUISHER & CABINET (FEC)

## 1 FLOOR PLAN

1/16" = 1'-0"




## KEY PLAN

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**Project:** Alden Green House

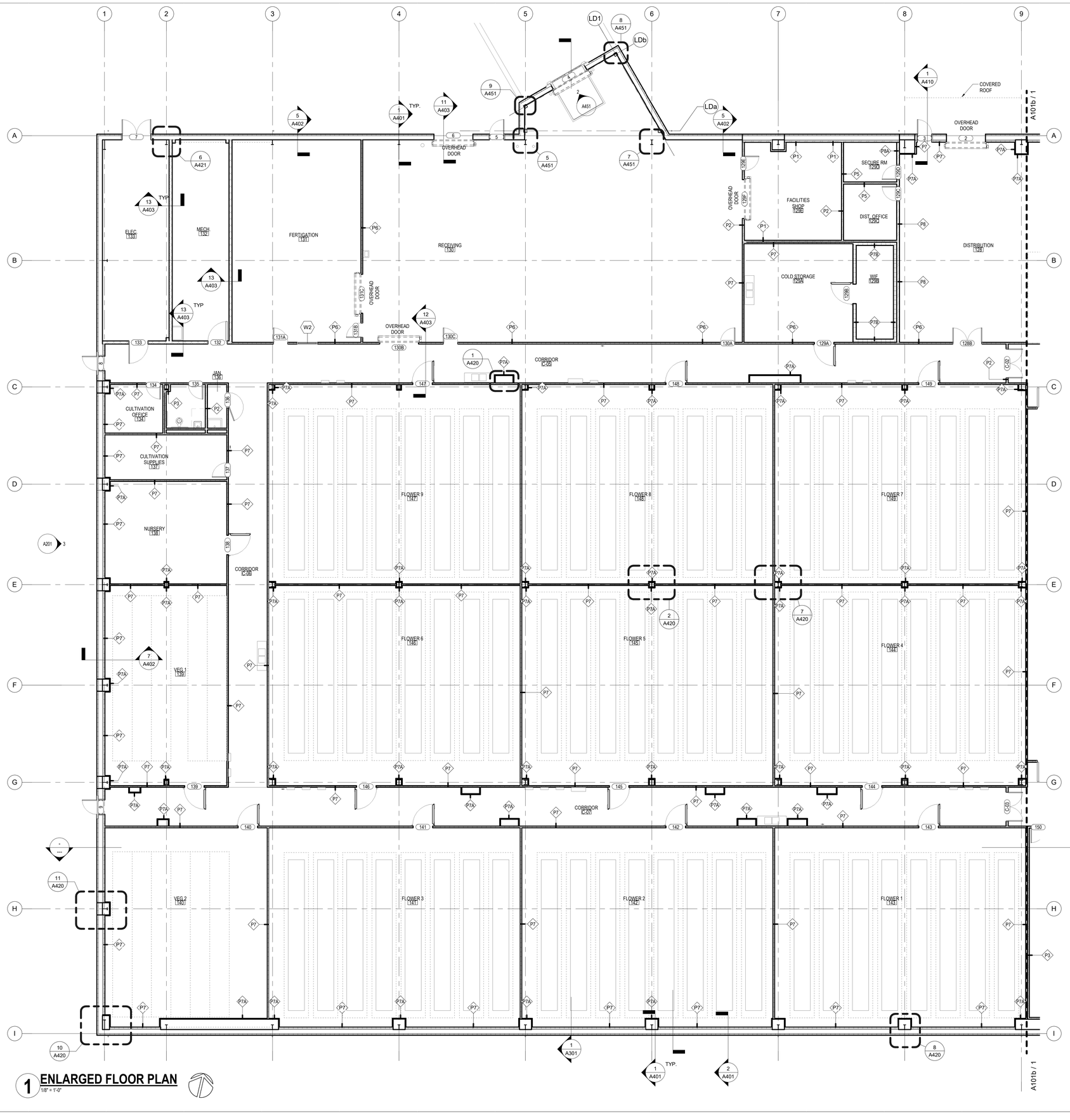
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

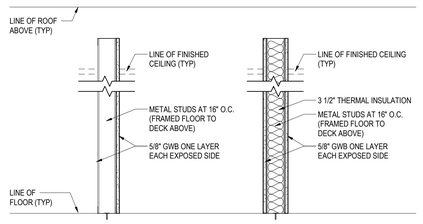
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** FLOOR PLAN

**Sheet Number:** A101



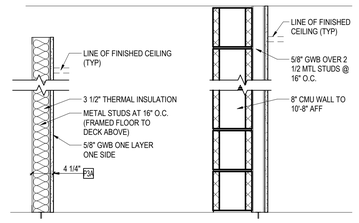

## 1 ENLARGED FLOOR PLAN
1/8" = 1'-0"




P1 3 5/8" METAL STUDS, 5/8" GWB ONE SIDE TO 6" ABOVE CEILING.

P1A 3 5/8" METAL STUDS, 5/8" GWB ONE SIDE WITH 9GA SECURITY MESH TO 6" ABOVE CEILING.

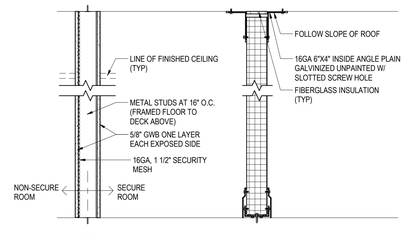
P2 3 5/8" METAL STUDS AT 16" O.C. TO 6" ABOVE CEILING




P3 3 5/8" METAL STUDS AT 16" O.C.

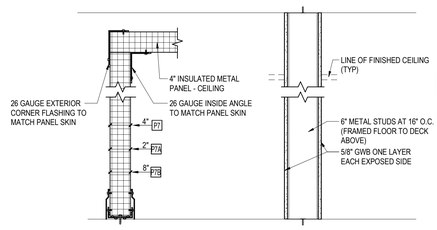
P3A 3 5/8" METAL STUDS AT 16" O.C. W/ SECURITY MESH TO 6" ABOVE CEILING

P4 8" CMU WALL W/ 2 1/2" METAL STUD, 5/8" GWB ONE SIDE TO 6" ABOVE CEILING.




P5 SECURITY PARITION

P6 4" INSULATED METAL PANEL SYSTEM UP TO DECK




P7 4" INSULATED METAL PANEL SYSTEM

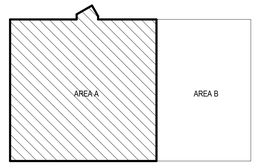
P7A 2" INSULATED METAL PANEL SYSTEM

P7B 8" INSULATED METAL PANEL SYSTEM

P8 6" METAL STUDS AT 16" O.C. TO DECK

P8A 6" METAL STUDS AT 16" O.C. TO DECK W/ SECURITY MESH

## WALL TYPES
1" = 1'-0"




## KEY PLAN - AREA A
NOT TO SCALE

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TRAUTMAN ASSOCIATES

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**Project:** Alden Green House

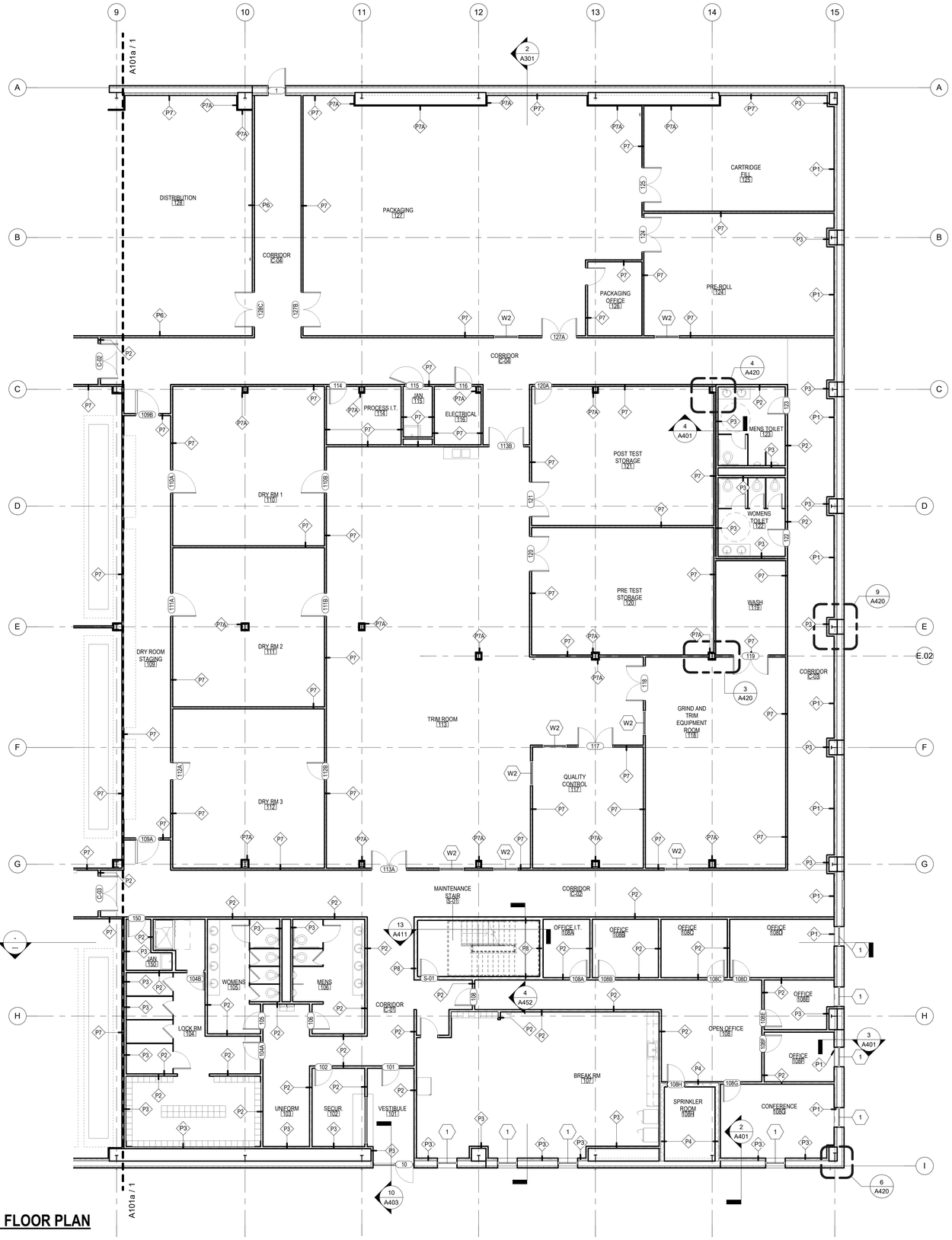
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

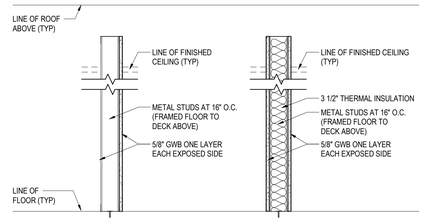
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL FLOOR PLAN AREA-A

**Sheet Number:** A101a




## 1 ENLARGED FLOOR PLAN

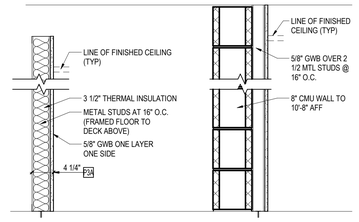
1/8" = 1'-0"




P1 3 5/8" METAL STUDS, 5/8" GWB ONE SIDE TO 6" ABOVE CEILING.

P1A 3 5/8" METAL STUDS, 5/8" GWB ONE SIDE WITH 9GA SECURITY MESH TO 6" ABOVE CEILING.

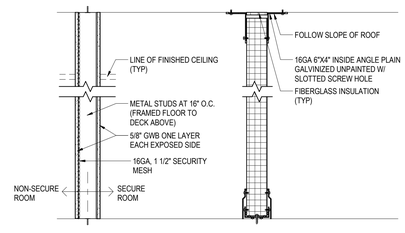
P2 3 5/8" METAL STUDS AT 16" O.C. TO 6" ABOVE CEILING




P3 3 5/8" METAL STUDS AT 16" O.C.

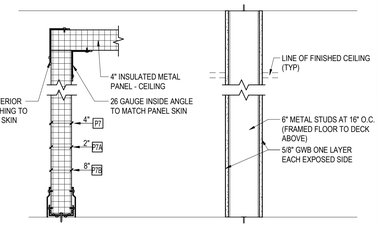
P3A 3 5/8" METAL STUDS AT 16" O.C. W/ SECURITY MESH TO 6" ABOVE CEILING

P4 8" CMU WALL W/ 2 1/2" METAL STUD, 5/8" GWB ONE SIDE TO 6" ABOVE CEILING.




P5 SECURITY PARITION

P6 4" INSULATED METAL PANEL SYSTEM UP TO DECK




P7 4" INSULATED METAL PANEL SYSTEM

P7A 2" INSULATED METAL PANEL SYSTEM

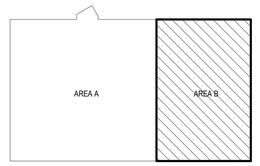
P7B 8" INSULATED METAL PANEL SYSTEM

P8 6" METAL STUDS AT 16" O.C. TO DECK

P8A 6" METAL STUDS AT 16" O.C. TO DECK W/ SECURITY MESH

## WALL TYPES

1" = 1'-0"




## KEY PLAN - AREA B

NOT TO SCALE

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**Project:** Alden Green House

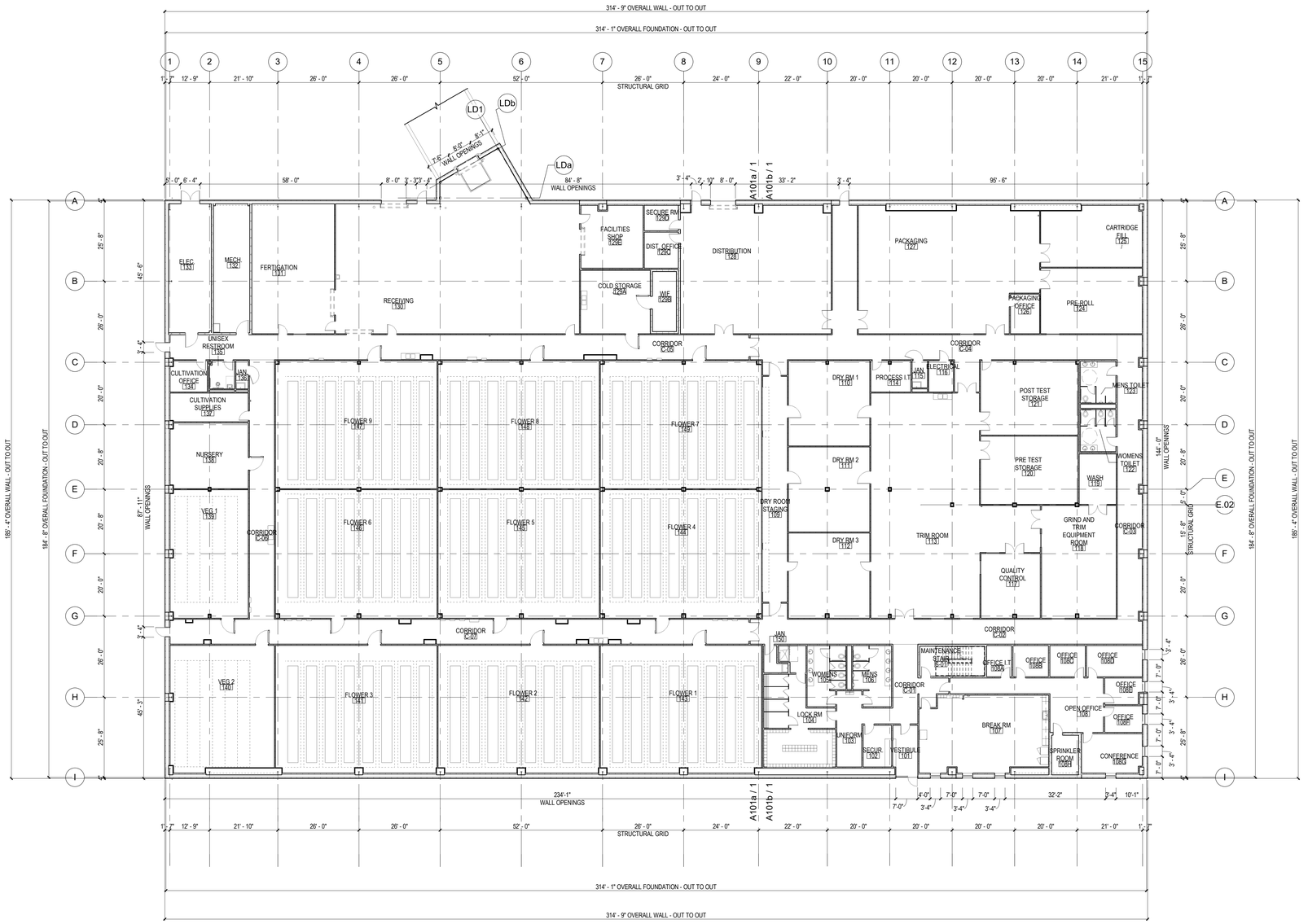
**Project Address:** 11580 WALDEN AVE
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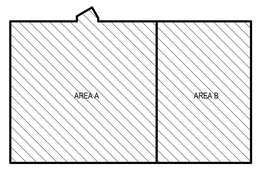
| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL FLOOR PLAN AREA-B

**Sheet Number:** A101b




## 1 FLOOR PLAN
1/16" = 1'-0"




## KEY PLAN
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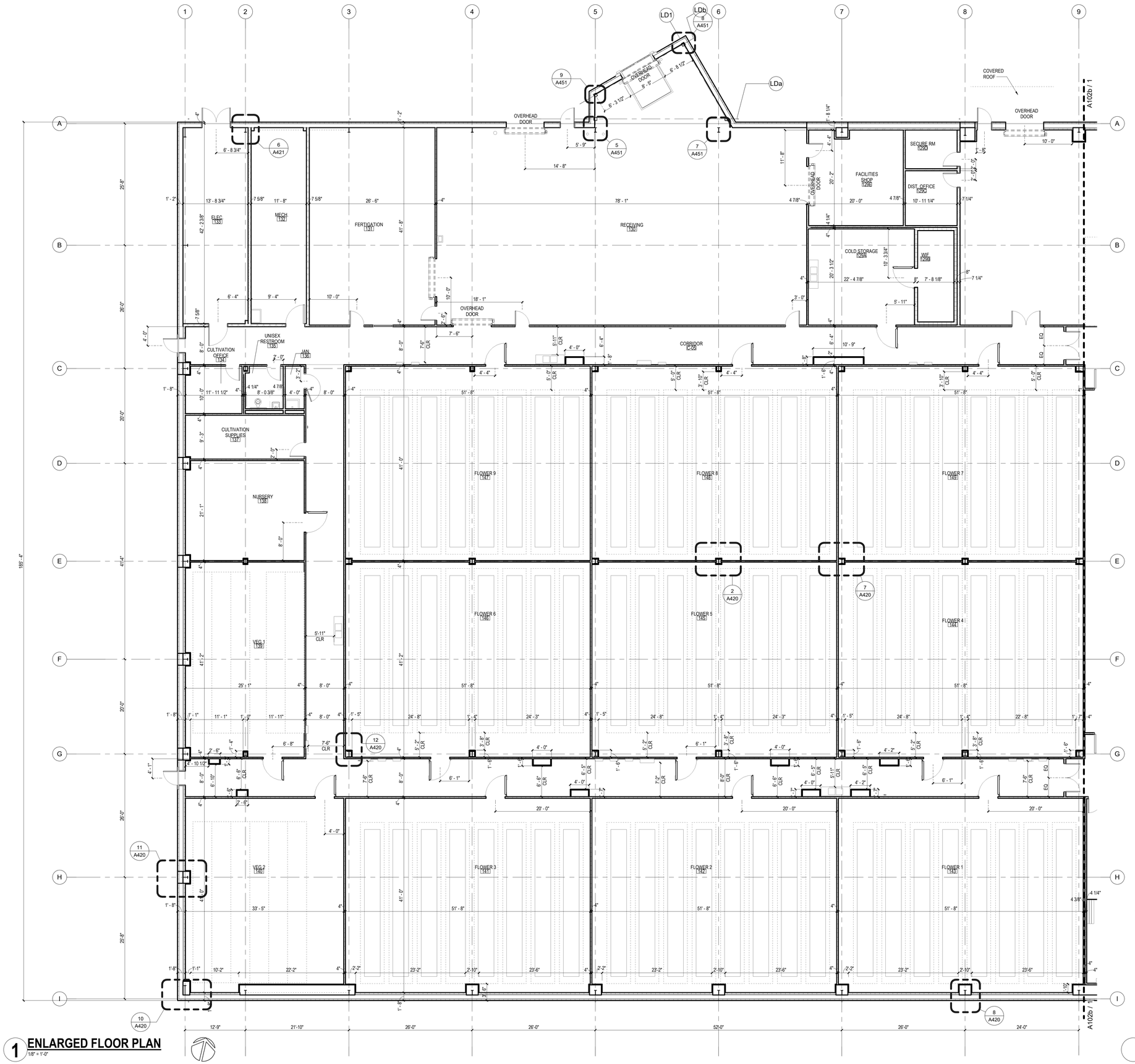
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

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| # | Date | Description |
|---|---|---|

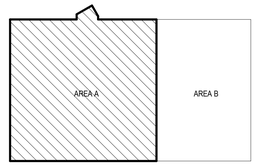
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** OVERALL DIMENSION FLOOR PLAN

**Sheet Number:** A102




## 1 ENLARGED FLOOR PLAN

1/8" = 1'-0"




## KEY PLAN - AREA A

NOT TO SCALE


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

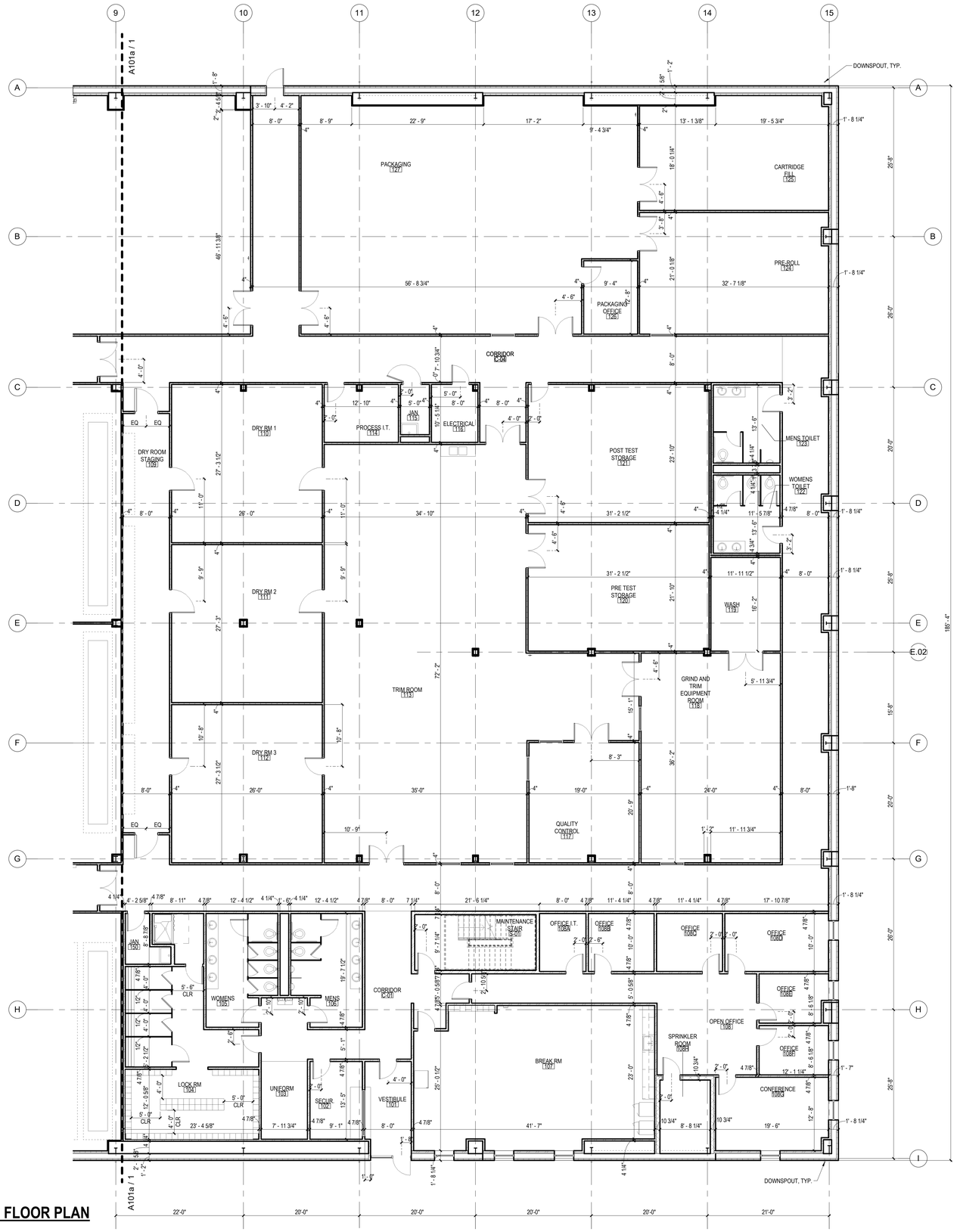
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

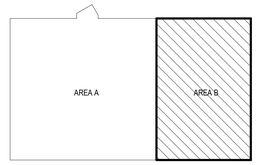
| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL DIMENSION FLOOR PLAN AREA-A

**Sheet Number:** A102a




1 **ENLARGED FLOOR PLAN**
1/8" = 1'-0"




**KEY PLAN - AREA B**
NOT TO SCALE


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**Signature & Seal:**

REGISTERED ARCHITECT
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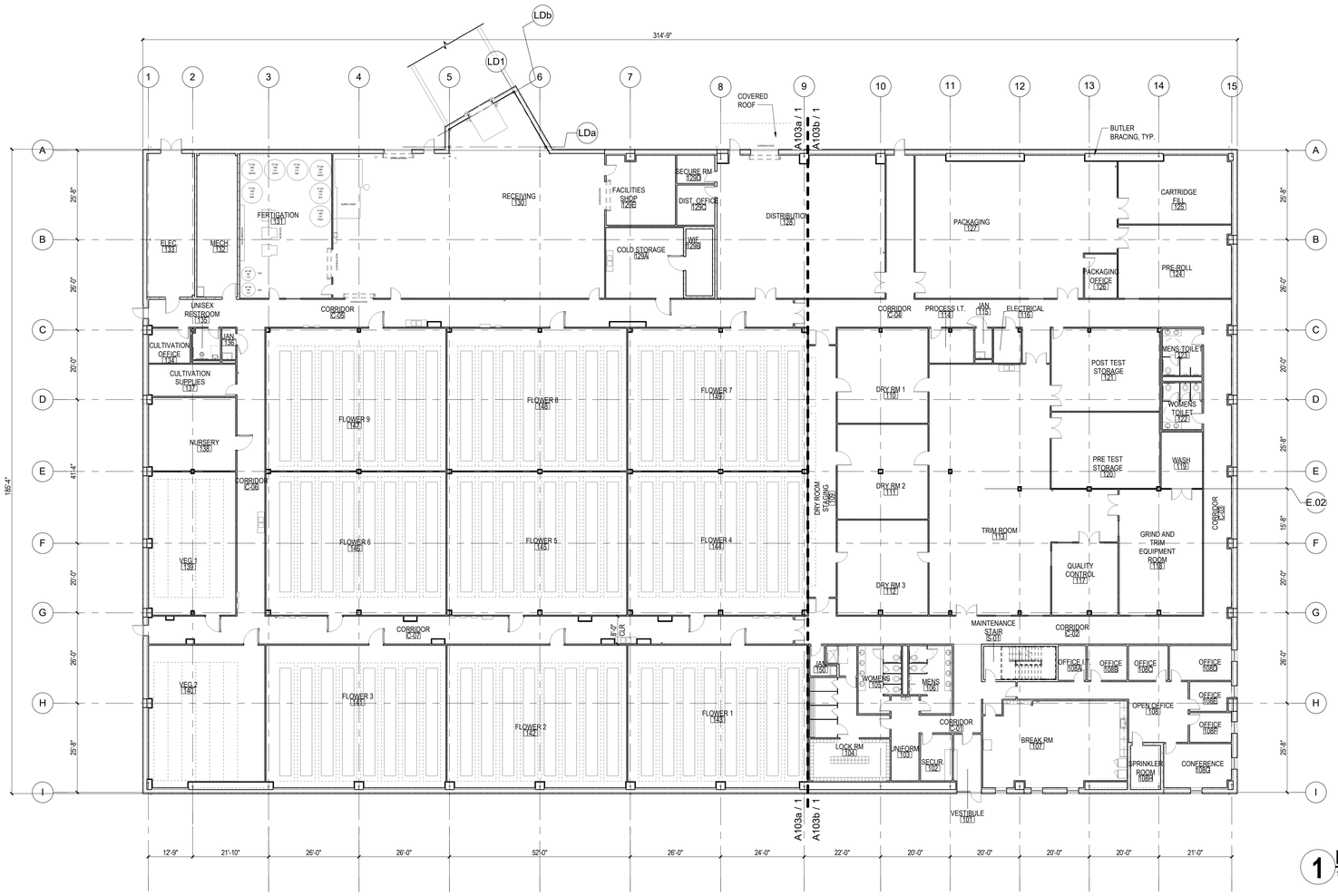
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

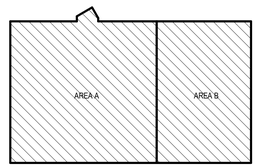
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|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL DIMENSION FLOOR PLAN AREA-B

**Sheet Number:** A102b




1 **FLOOR PLAN**
1/16" = 1'-0"




**KEY PLAN**
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**Project:** Alden Green House

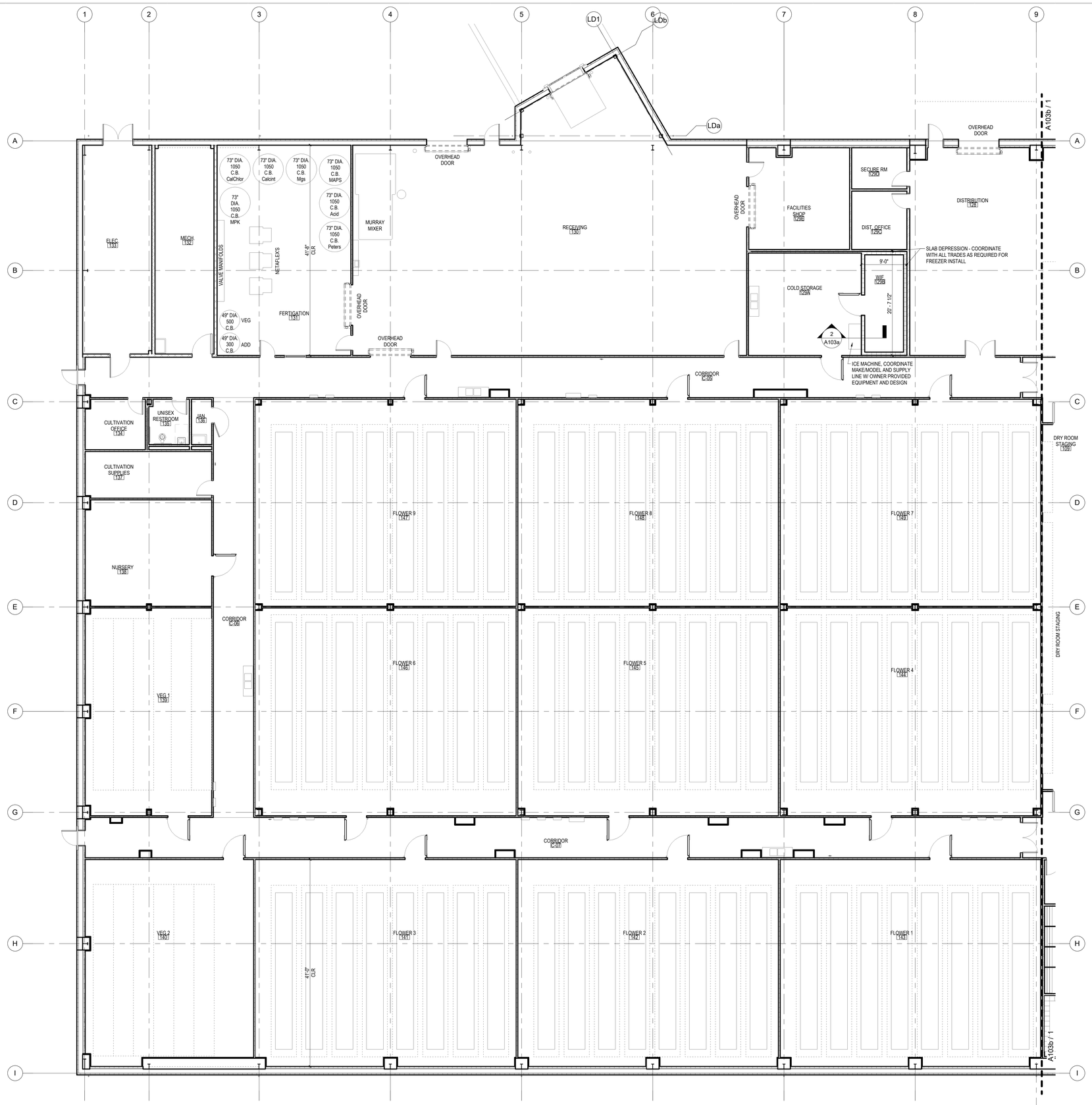
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
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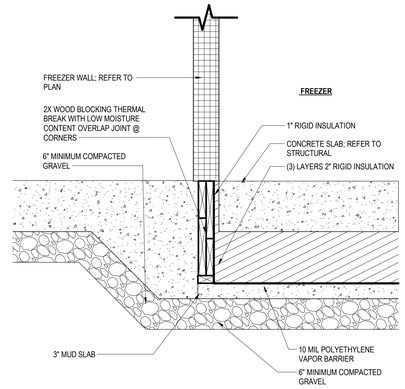
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** **OVERALL EQUIPMENT AND FURNITURE PLAN**

**Sheet Number:** **A103**




## 1 ENLARGED FLOOR PLAN

1/8" = 1'-0"

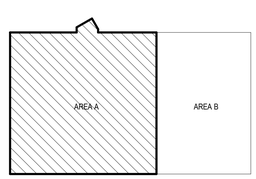



NOTE: ALL COOLER/FREEZER BOXES TO START AT 0'-0". BOXES THAT FALL INTO THE RECESSED CONCRETE AREA TO BE SHIMMED WITH PLASTIC SHIMS AND ANY GAPS TO BE FOAMED WITH A CLOSED CELL LOW EXPANDING FOAM

NOTE: TOP OF WOOD THERMAL BREAK TO BE KEPT CLEAN FROM ALL CONCRETE

## 2 SECTION AT FREEZER WALL

1" = 1'-0"




## KEY PLAN - AREA A

NOT TO SCALE

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**Project:** Alden Green House

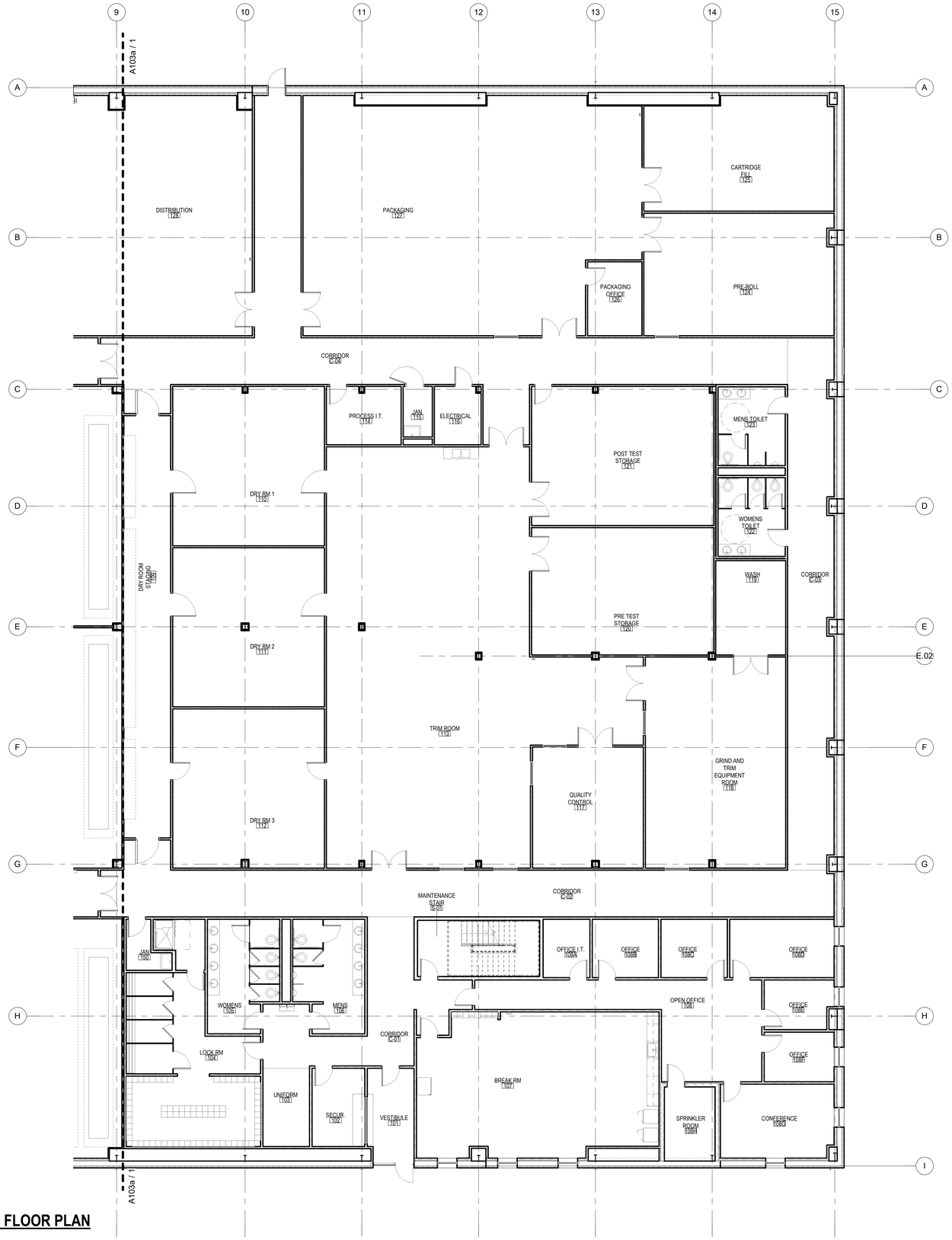
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

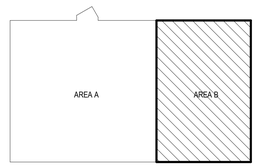
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-A

**Sheet Number:** A103a




## 1 ENLARGED FLOOR PLAN

1/8" = 1'-0"




## KEY PLAN - AREA B

NOT TO SCALE

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**Project:** Alden Green House

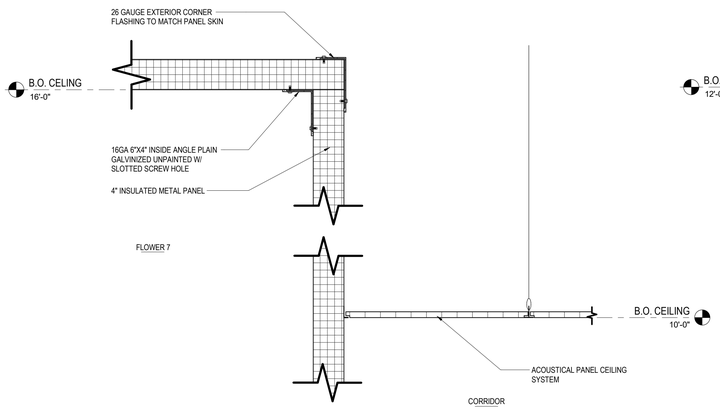
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

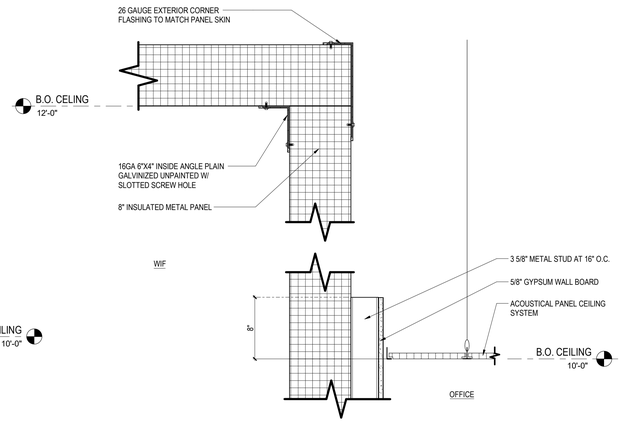
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-B

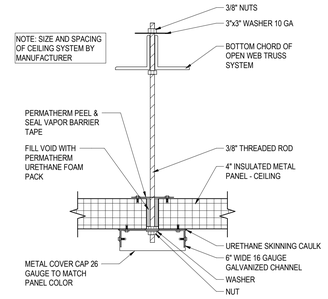
**Sheet Number:** A103b



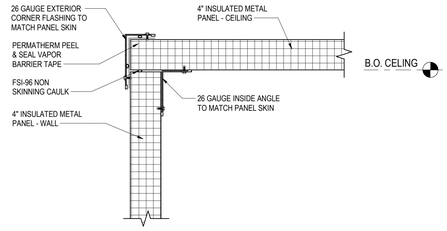

## 2 IMP / ACT CEILING DETAIL - FLOWER 7 / CORRIDOR
1 1/2" = 1'-0"




## 3 IMP / ACT CEILING DETAIL - WIF / OFFICE
1 1/2" = 1'-0"




## 4 TYP CEILING CHANNEL SUSPENDED METAL PANEL CEILING
1 1/2" = 1'-0"




## 5 TYP METAL PANEL WALL TO CEILING CONNECTION
1 1/2" = 1'-0"

### GENERAL CEILING NOTES:

A. ALL LIGHTS FIXTURES TO BE INSTALLED CENTERED WITHIN ROOM/ AREA.

B. LIGHT FIXTURE FINISHES TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURING OFFERINGS.

C. COORDINATE ALL CEILING EQUIPMENT AND LAYOUT WITH ALL TRADES.

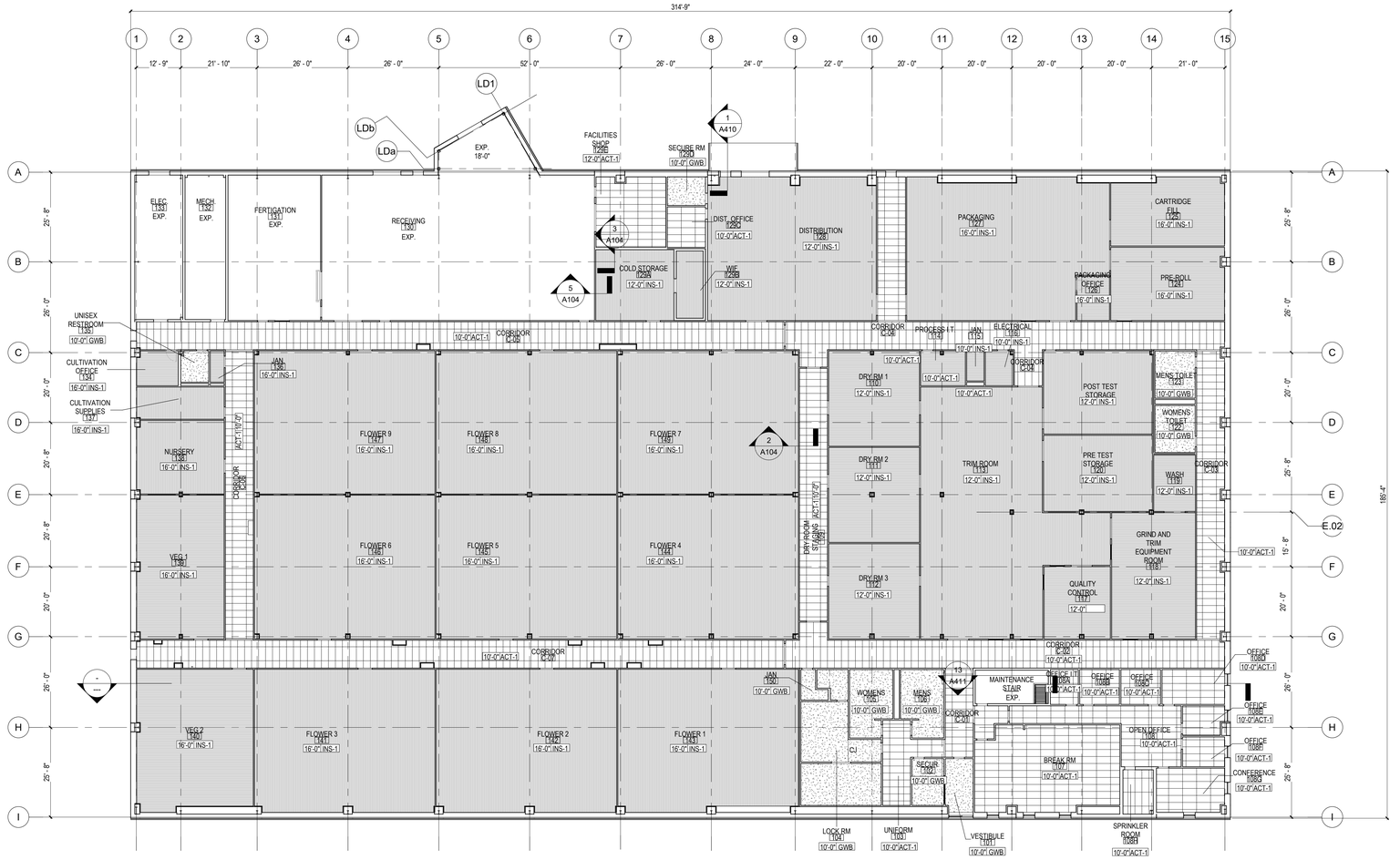
D. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.

E. COORDINATE INSTALLATION OF SPEAKERS, WIFI, AND SECURITY SYSTEMS WITH OWNER.

F. PREP, PRIME AND PAINT ALL GWB CEILINGS NOTED, TYP AT ALL NEW SOFFIT CONSTRUCTION.

G. PROVIDE HOLD DOWN CLIPS IN CEILING GRID AT CORRIDORS C-01 THRU C-07.

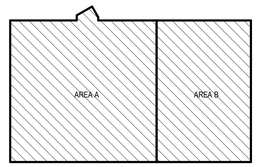
H. COORDINATE LOCATION OF ACCESS DOORS W/ MEP SYSTEMS AT ROOMS W/ GWB CEILINGS.




| REFLECTED CEILING PLAN LEGEND | CEILING SYMBOL LEGEND |
|---|---|
| SUSPENDED ACOUSTIC TILE | SD SMOKE DETECTOR |
| INSULATED METAL PANEL | J JUNCTION BOX |
| EXPOSED DECK | OS OCCUPANCY SENSOR |
| GWB | S SPEAKER |
| | H THERMAL DETECTOR |

**CEILING EQUIPMENT LEGEND**

- LINER WALL SCONCES
- LINEAR PENDANT LIGHTING FIXTURES
- SURFACE MOUNTED LIGHTING FIXTURES
- RECESSED LIGHTING FIXTURES
- SPRINKLER
- 10" x 10" ACCESS DOOR TYPE B
- RETURN AND SUPPLY DIFFUSERS
- FLUSH MOUNTED FIXTURES




PLAN DEPICTS CEILING HEIGHT AND MATERIAL ONLY. REFER TO MEP & FP DWGS FOR CEILING MOUNTED FIXTURES, DEVICES & EQUIPMENT.

## 1 1ST FLOOR REFLECTED CEILING PLAN
1/16" = 1'-0"

## KEY PLAN
NOT TO SCALE

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**Project:** Alden Green House

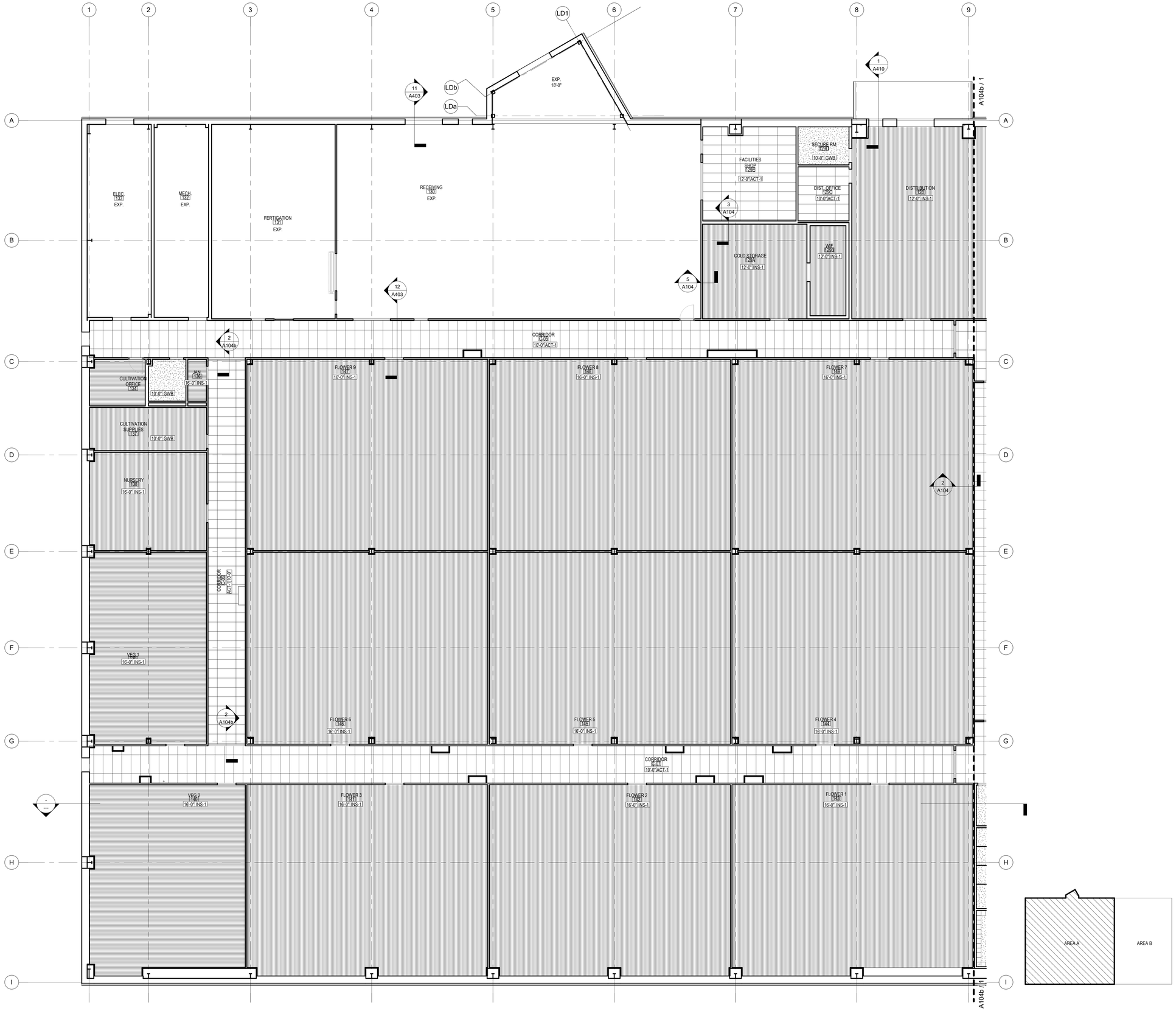
**Project Address:** 11580 WALDEN AVE ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** OVERALL REFLECTED CEILING PLAN

**Sheet Number:** A104




## 1 1ST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

PLAN DEPICTS CEILING HEIGHT AND MATERIAL ONLY. REFER TO MEP & FP DWGS FOR CEILING MOUNTED FIXTURES, DEVICES & EQUIPMENT.

## KEY PLAN - AREA A

1" = 80'-0"


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**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
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**Drawing History:**

| # | Date | Description |
|---|---|---|

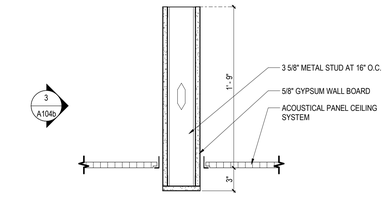
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL REFLECTED CEILING PLAN AREA-A

**Sheet Number:** A104a

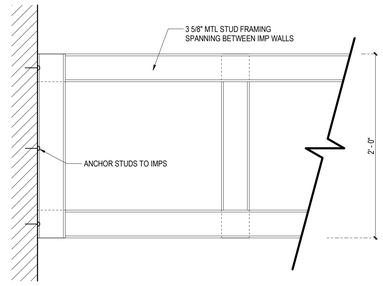



## 1 1ST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

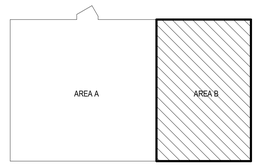
PLAN DEPICTS CEILING HEIGHT AND MATERIAL ONLY. REFER TO MEP & FP DWGS FOR CEILING MOUNTED FIXTURES, DEVICES & EQUIPMENT.




## 2 SECTION AT SOFFIT
1 1/2" = 1'-0"




## 3 ELEVATION AT SOFFIT FRAMING
1 1/2" = 1'-0"




## KEY PLAN - AREA B
NOT TO SCALE

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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PARTIAL REFLECTED CEILING PLAN AREA-B

**Sheet Number:** A104b

## GENERAL NOTES:

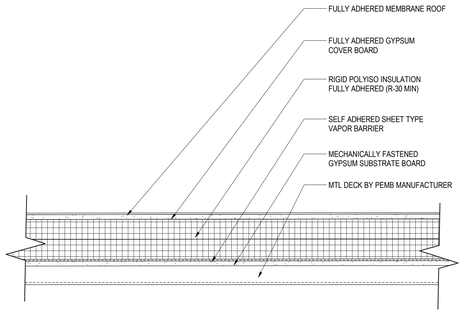
A. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO THE START OF CONSTRUCTION.

B. BUILDING ENVELOPE AND STRUCTURE BY PRE-ENGINEERED BUILDING (PEMB) MANUFACTURER UNLESS NOTED OTHERWISE.

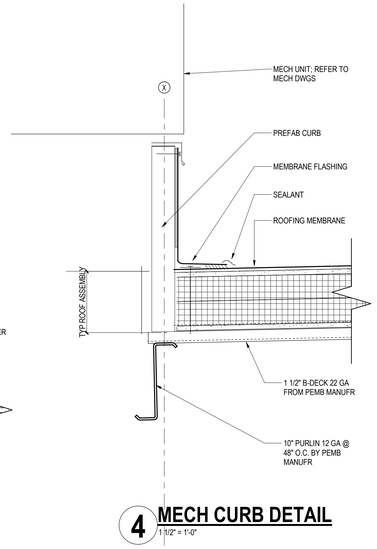
C. ALL DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.

D. REFER TO ENLARGED FLOOR PLANS, WALL SECTIONS, AND DETAILS FOR MORE INFORMATION.

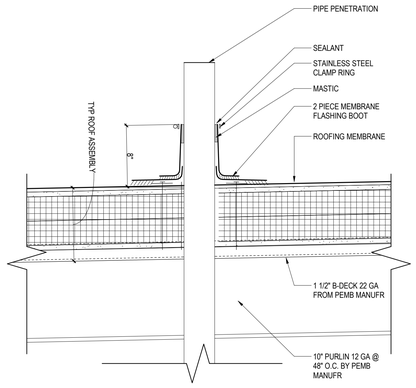
E. COORDINATE EQUIPMENT, SIGNAGE, AND FURNITURE INSTALLATION WITH ALL TRADES AS REQUIRED.



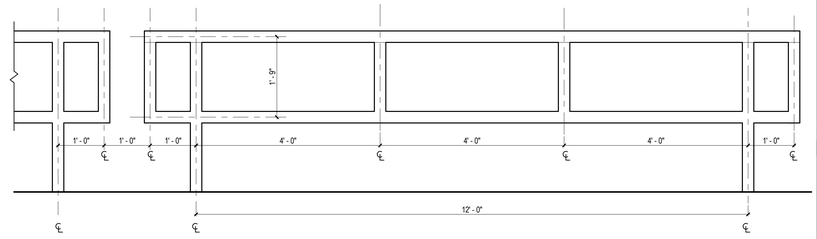

## 2 TYP ROOF ASSEMBLY
1 1/2" = 1'-0"



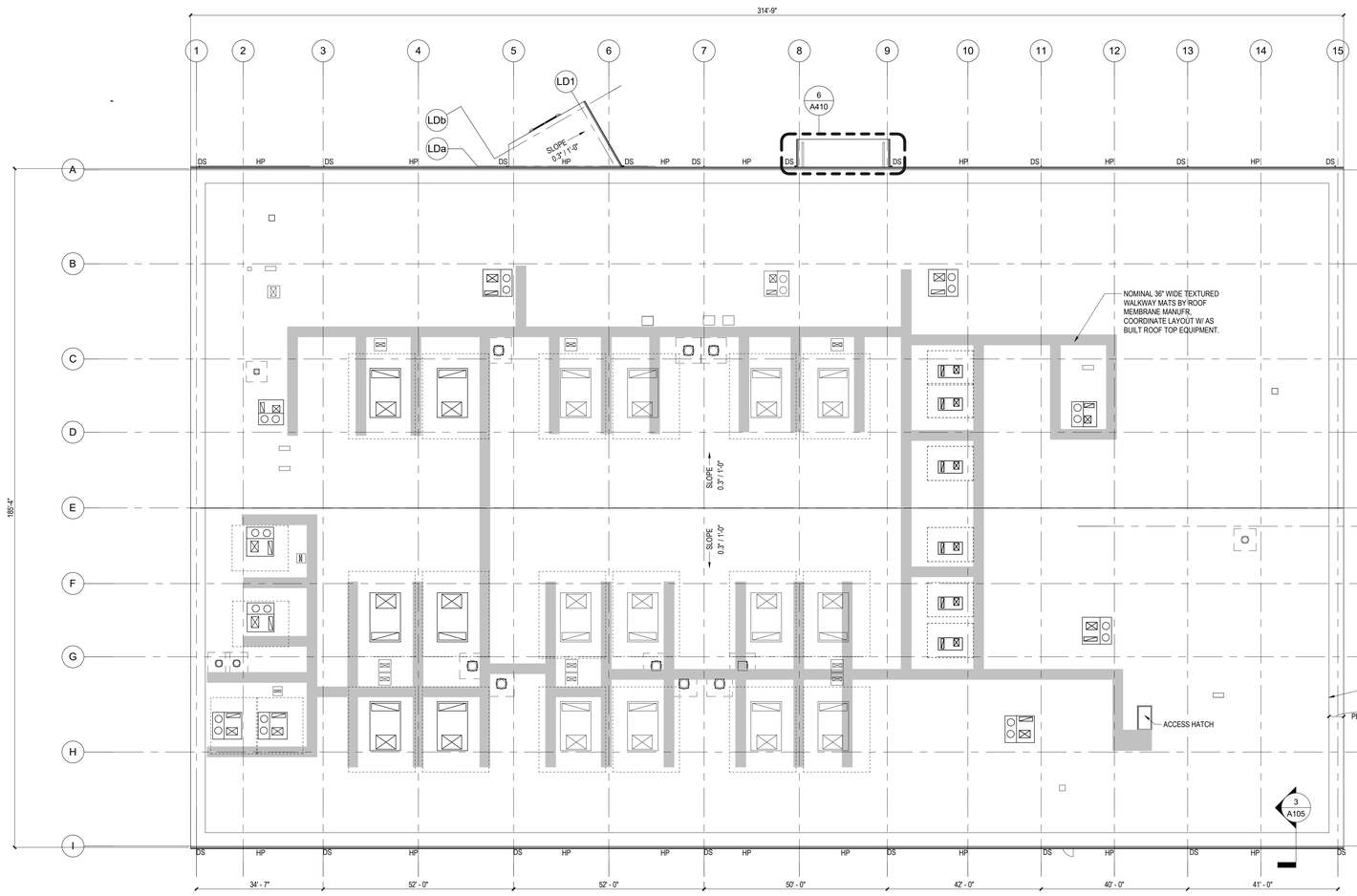

## 4 MECH CURB DETAIL
1 1/2" = 1'-0"




## 5 PIPE PENETRATION DETAIL
1 1/2" = 1'-0"

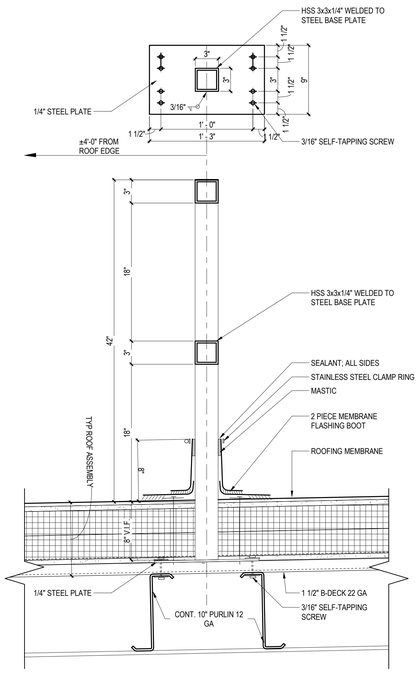



## 6 GUARDRAIL ELEVATION
3/4" = 1'-0"

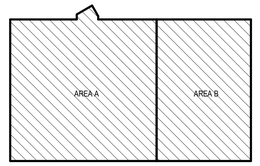



ROOF TOP EQUIPMENT IS SHOW DIAGRAMMATICALLY. REF TO MEP DWGS FOR ACTUAL TYPE, SIZE & LOCATIONS OF ROOFTOP EQUIPMENT.

## 1 ROOF PLAN
1/16" = 1'-0"




## 3 RAILING DETAIL
1 1/2" = 1'-0"




## KEY PLAN
NOT TO SCALE


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**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** ROOF PLAN AND DETAILS

**Sheet Number:** A105

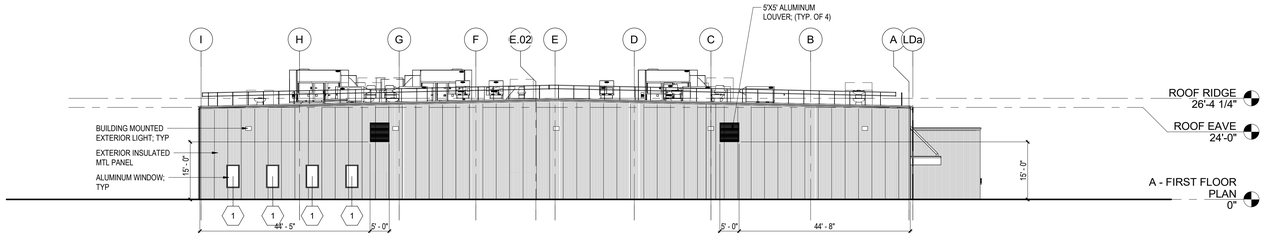
## GENERAL NOTES

A. BUILDING ENVELOPE AND STRUCTURE BY PRE-ENGINEERED BUILDING (PEMB) MANUFACTURER UNLESS NOTED OTHERWISE.

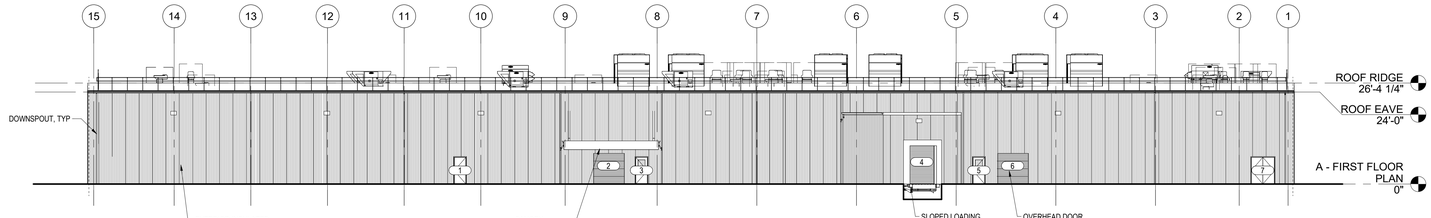
B. REFER TO ENLARGED FLOOR PLANS, WALL SECTIONS, AND DETAILS FOR MORE INFORMATION.

C. COORDINATE EQUIPMENT, SIGNAGE, AND FURNITURE INSTALLATION WITH ALL TRADES AS REQUIRED.

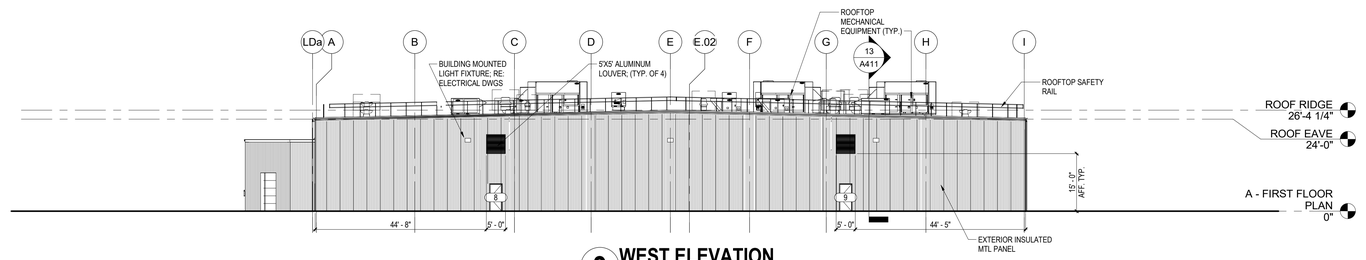
D. ARCHITECT TO SELECT EXTERIOR INSULATED METAL PANEL FROM FULL RANGE OF PATTERNS AND COLORS.



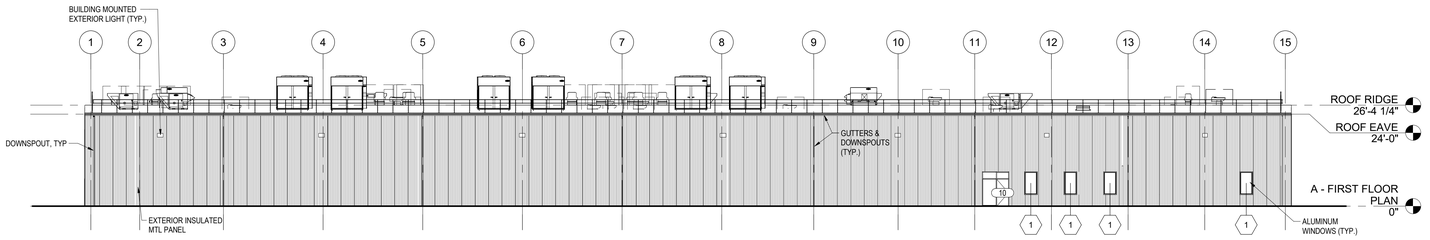

## 1 EAST ELEVATION
1/16" = 1'-0"



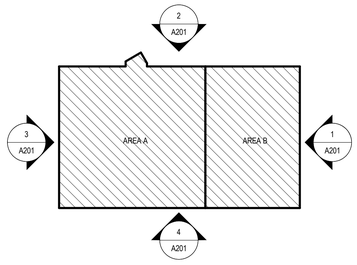

## 2 NORTH ELEVATION
1/16" = 1'-0"




## 3 WEST ELEVATION
1/16" = 1'-0"




## 4 SOUTH ELEVATION
1/16" = 1'-0"




## KEY PLAN - ELEVATION
NOT TO SCALE


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**Project:** Alden Green House

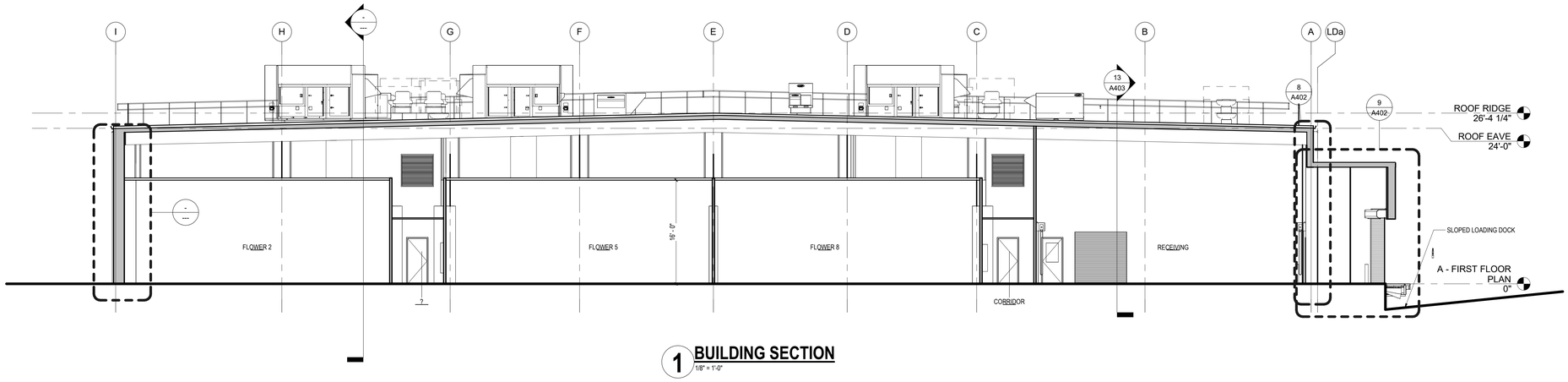
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

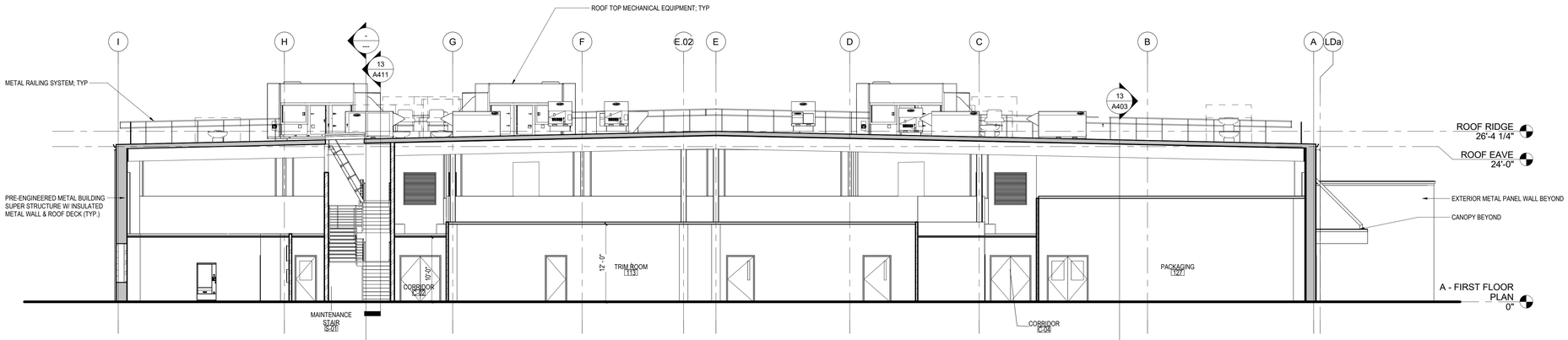
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** EXTERIOR ELEVATIONS

**Sheet Number:** A201




## 1 BUILDING SECTION
1/8" = 1'-0"




## 2 BUILDING SECTION
1/8" = 1'-0"


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**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
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**Drawing History:**

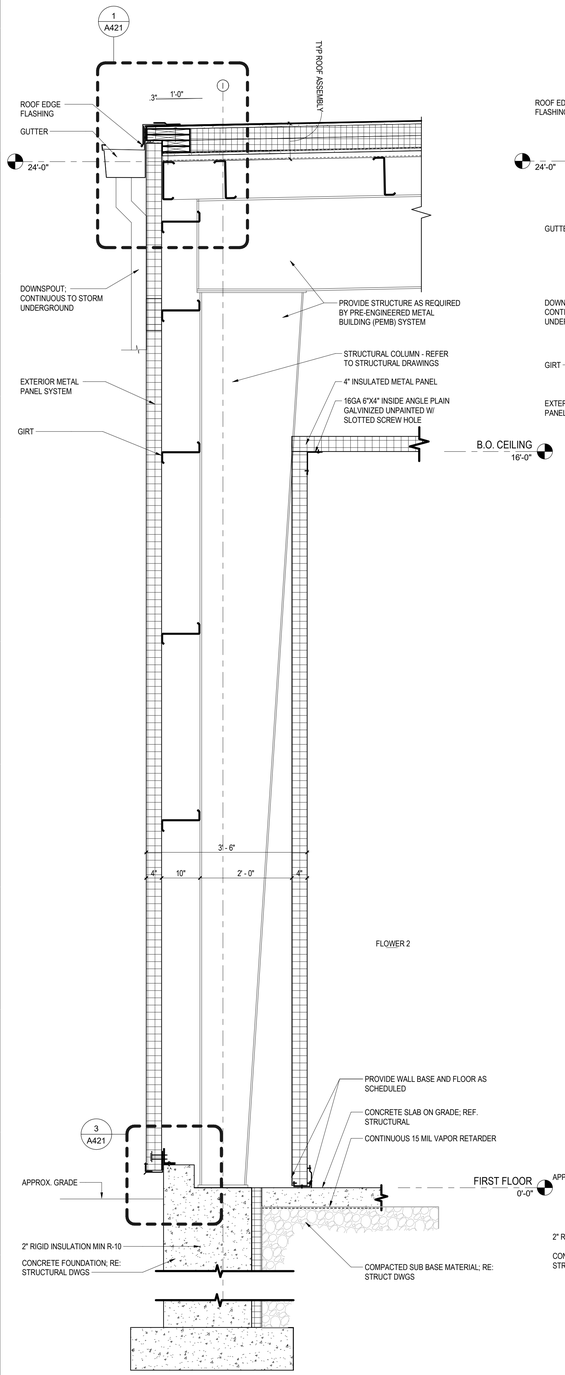
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** BUILDING SECTIONS

**Sheet Number:** A301

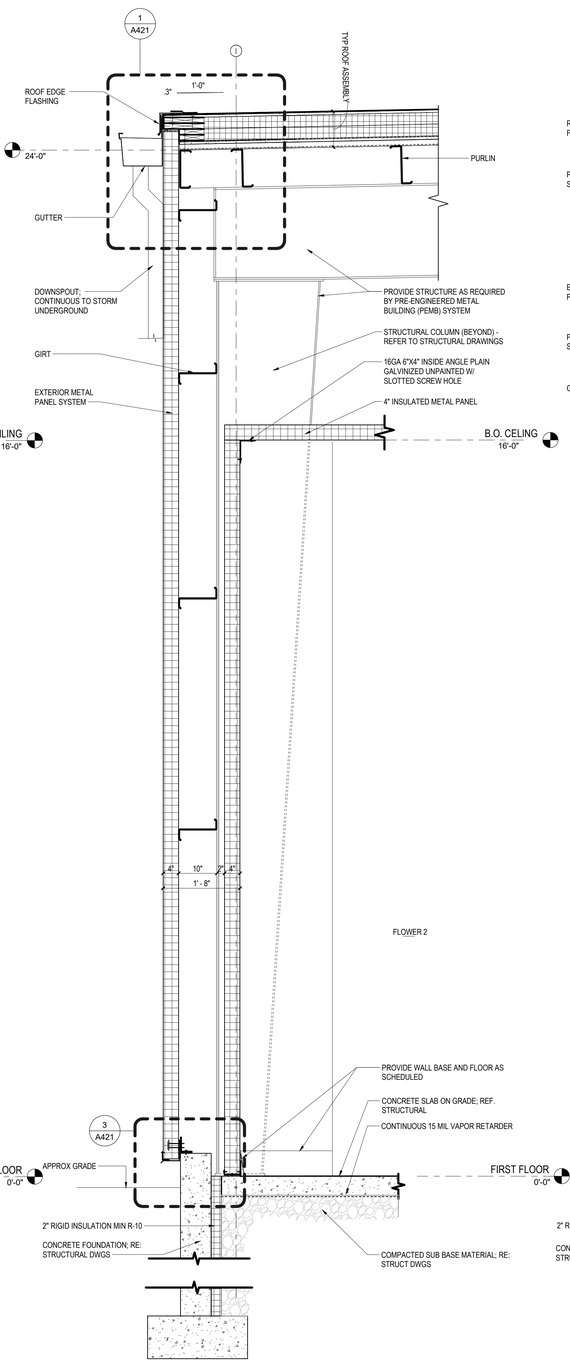
**GENERAL NOTES**

1. SEE DRAWING A101, A101A, A101B FOR LOCATION OF WALL SECTION CUTS



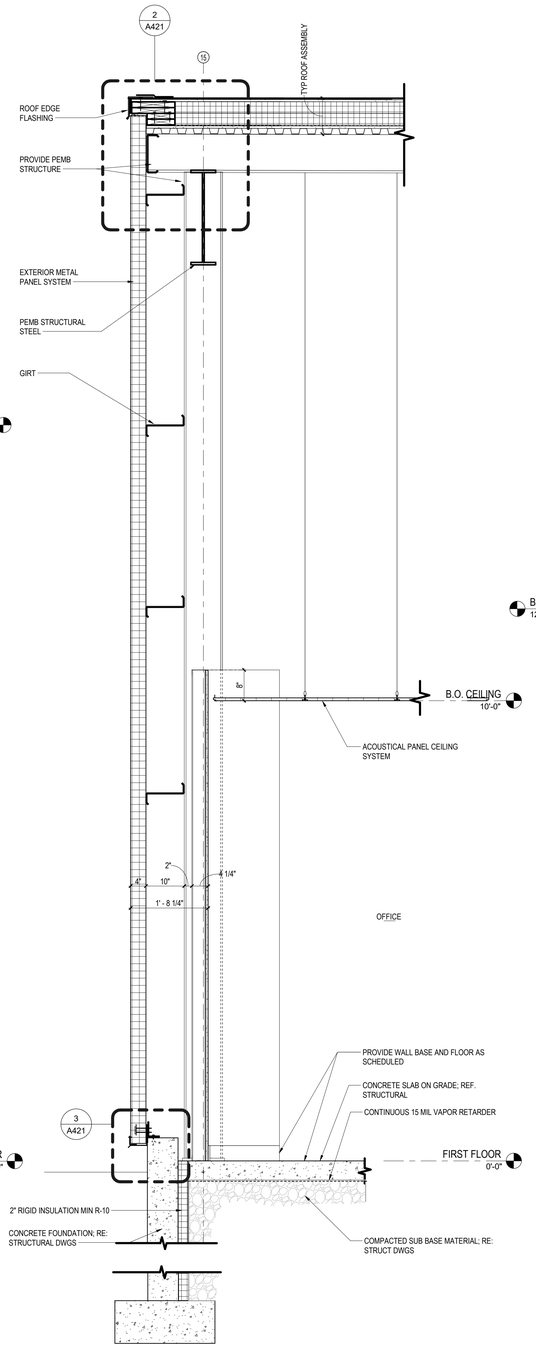

## 1 WALL SECTION - SIDE WALL AT COLUMN WRAP

3/4" = 1'-0"



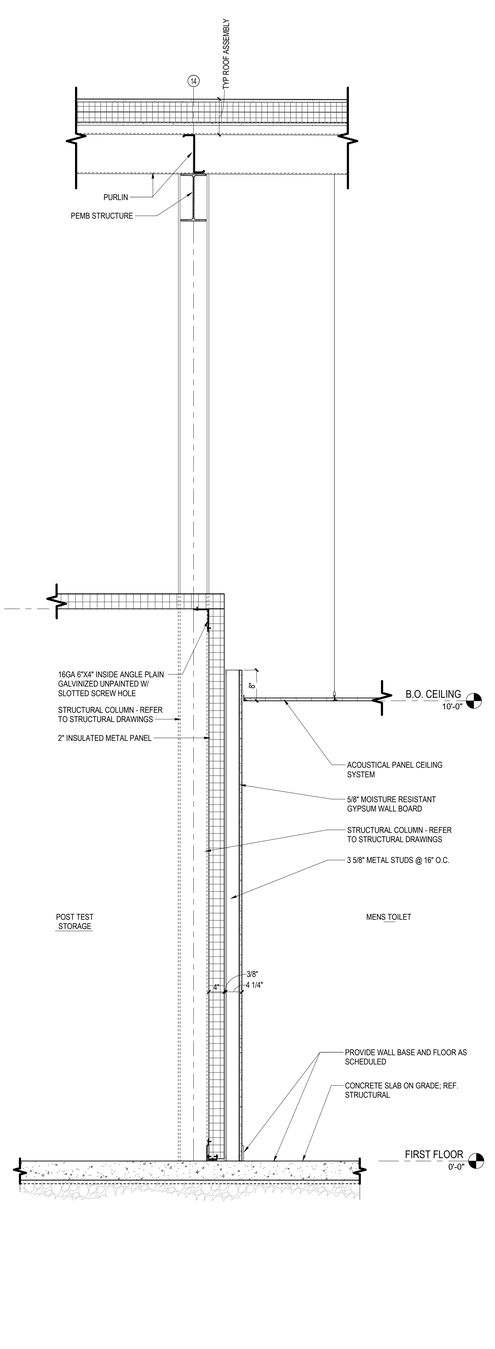

## 2 WALL SECTION - SIDE WALL

3/4" = 1'-0"




## 3 WALL SECTION - FURRED WALL AT OFFICE

3/4" = 1'-0"




## 4 WALL SECTION - INTERIOR WALL AT MEN'S TOILET ROOM

3/4" = 1'-0"


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**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

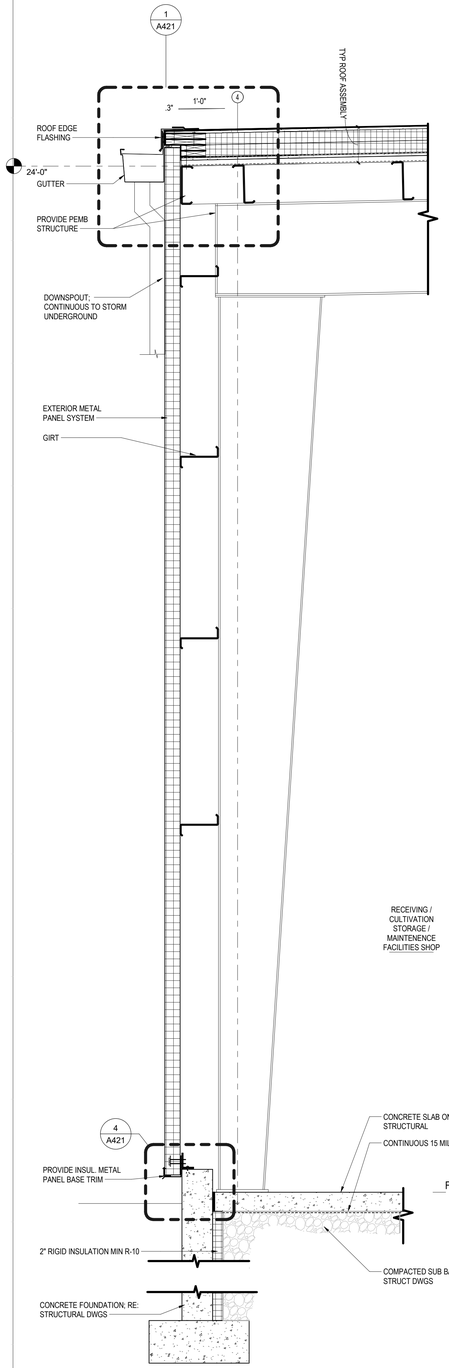
| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** WALL SECTIONS

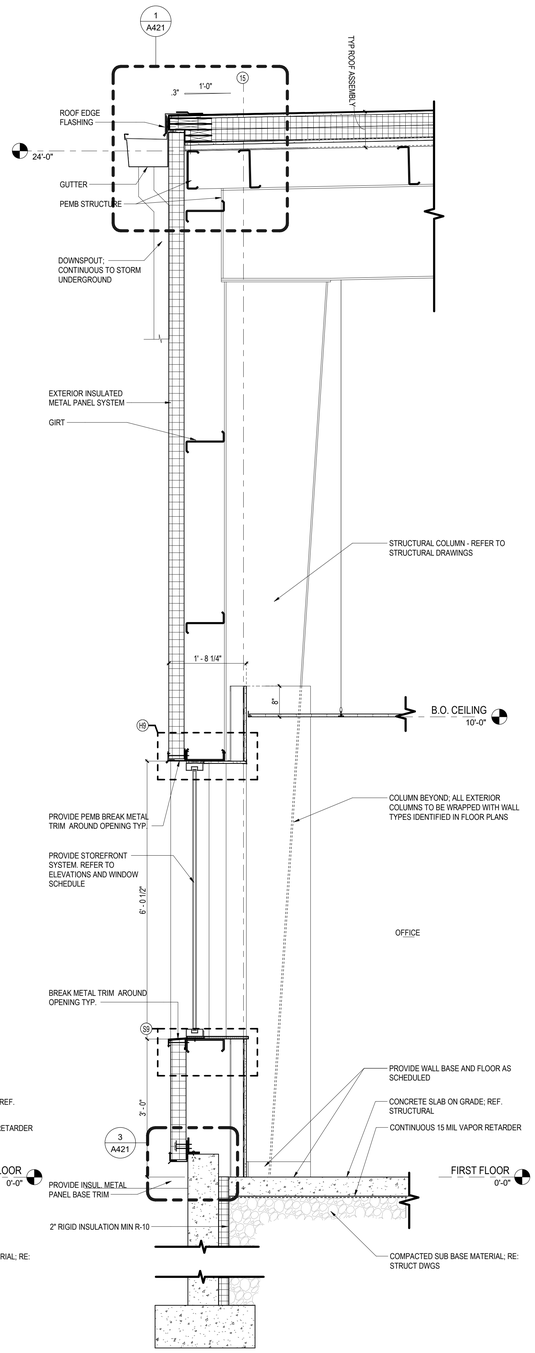
**Sheet Number:** A401

**GENERAL NOTES**

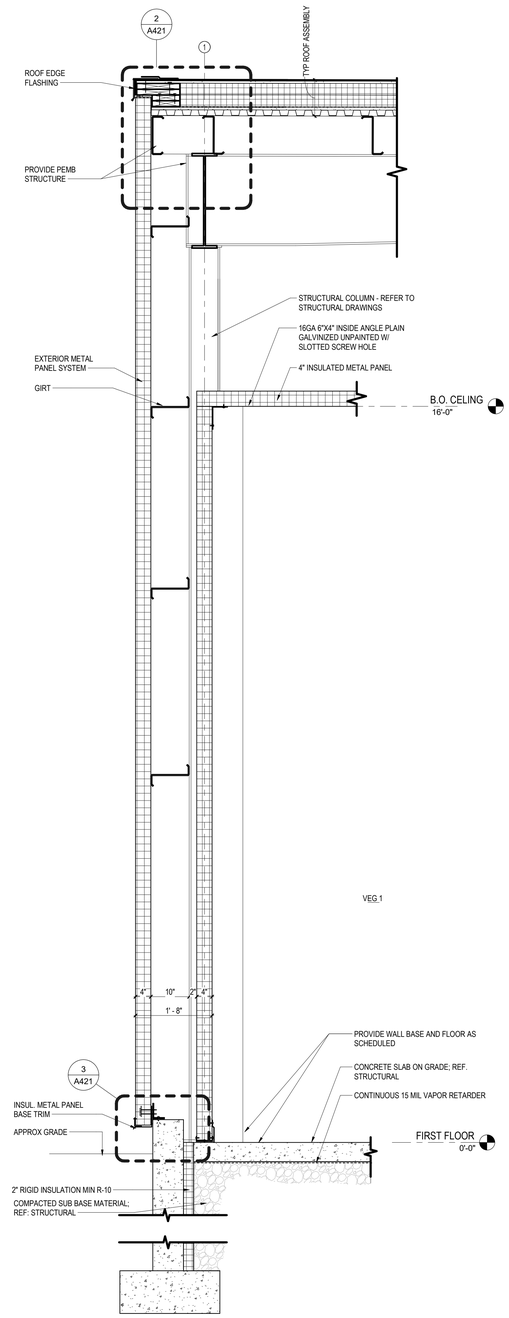
1. SEE DRAWING A101, A101A, A101B FOR LOCATION OF WALL SECTION CUTS



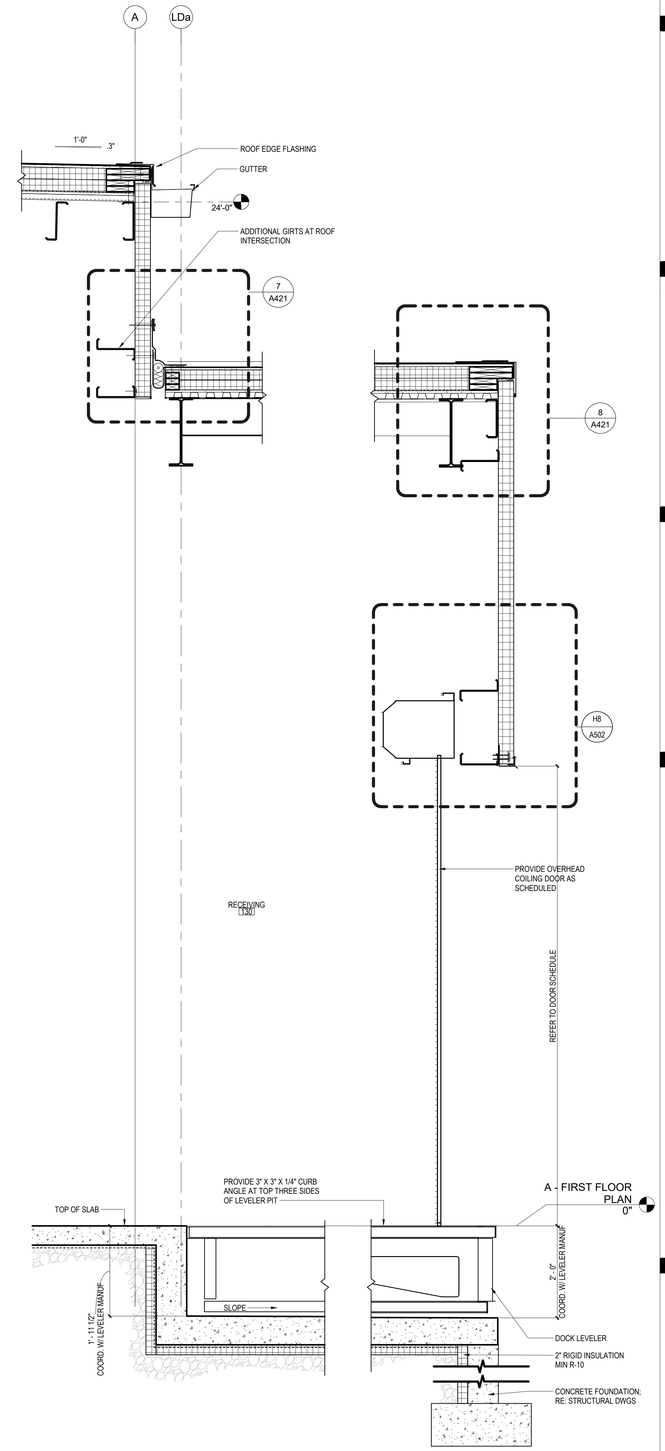

## 5 WALL SECTION - EXTERIOR WALL AT RECEIVING
3/4" = 1'-0"




## 6 WALL SECTION - EXTERIOR WALL AT OFFICE
3/4" = 1'-0"




## 7 WALL SECTION - EXTERIOR WALL AT VEG 1
3/4" = 1'-0"




## 8 WALL SECTION - BUILDING TO LOADING DOCK
3/4" = 1'-0"

## 9 WALL SECTION - LOADING DOCK
3/4" = 1'-0"


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**Project:** Alden Green House

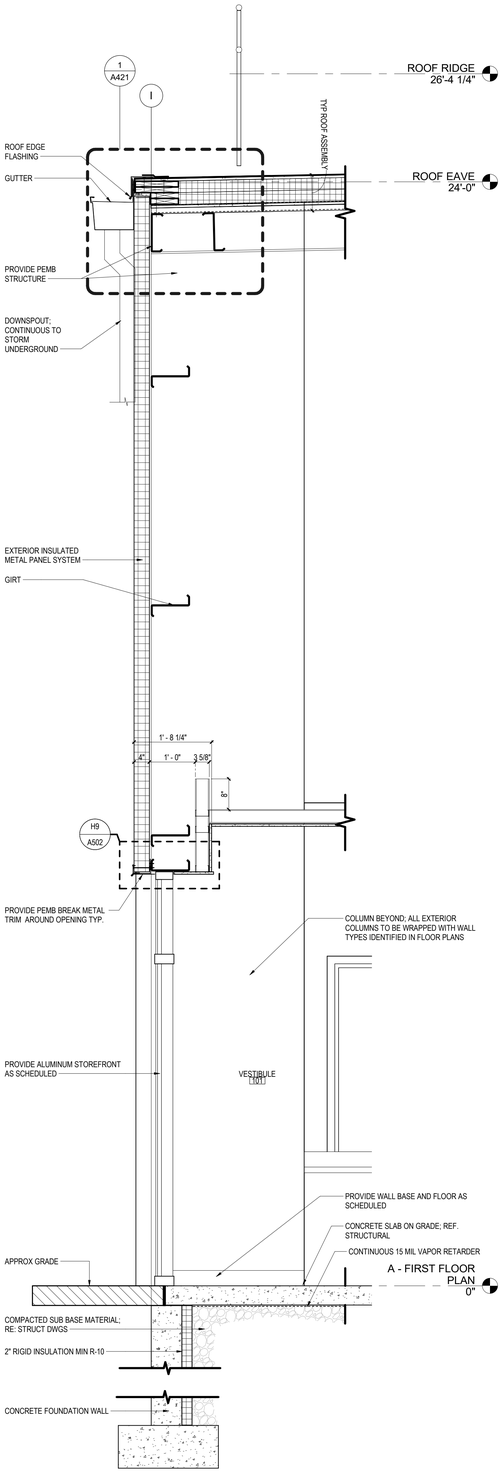
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

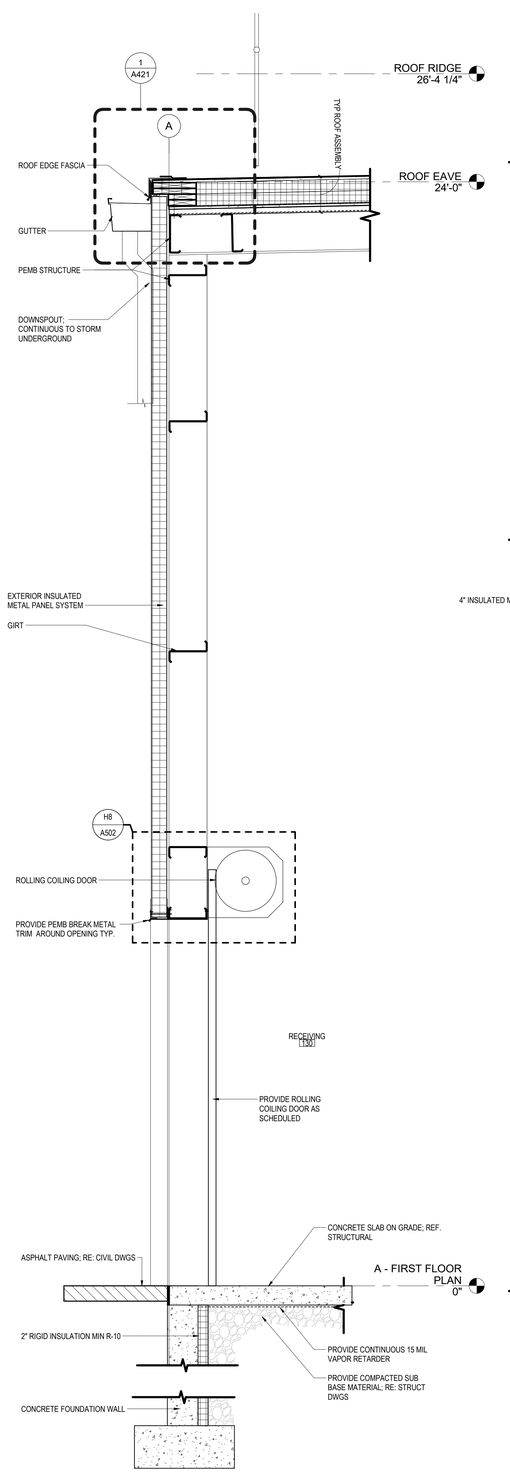
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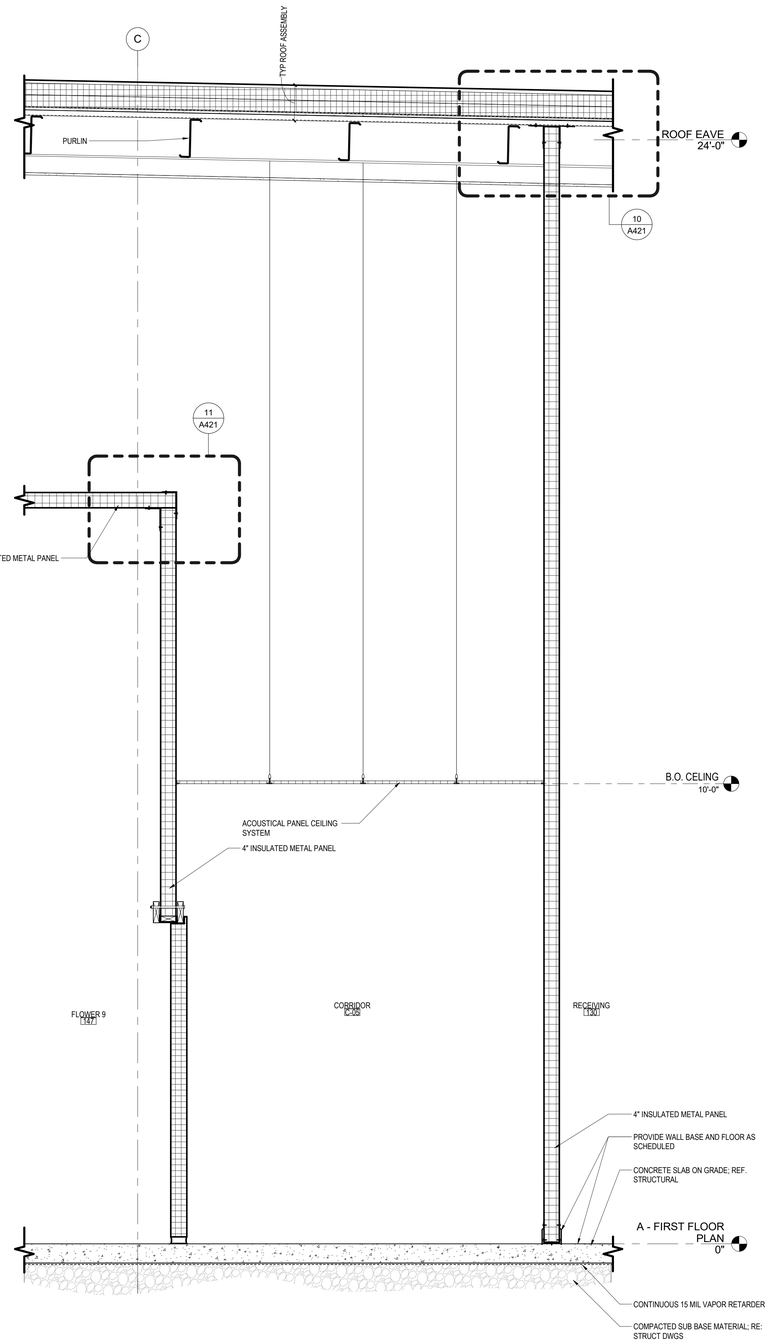
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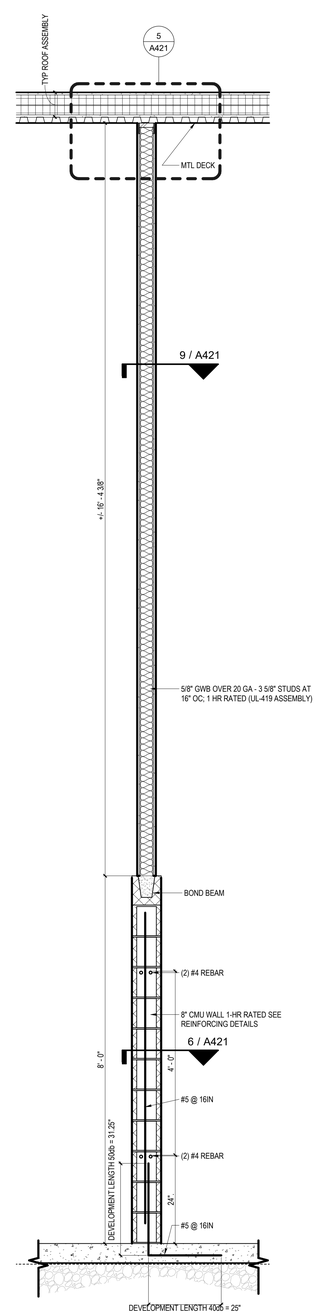
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** WALL SECTIONS

**Sheet Number:** A402




**GENERAL NOTES**

1. SEE DRAWING A101, A101A, A101B FOR LOCATION OF WALL SECTION CUTS

## 10 WALL SECTION - VESTIBULE
3/4" = 1'-0"

## 11 WALL SECTION - RECEIVING OVERHEAD DOOR
3/4" = 1'-0"

## 12 WALL SECTION - FLOWER 9 / CORRIDOR / RECEIVING
3/4" = 1'-0"

## 13 TYP RATED CMU WALL
3/4" = 1'-0"

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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
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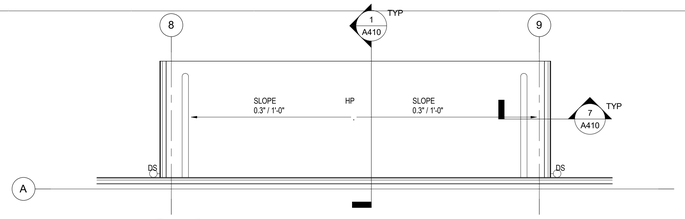
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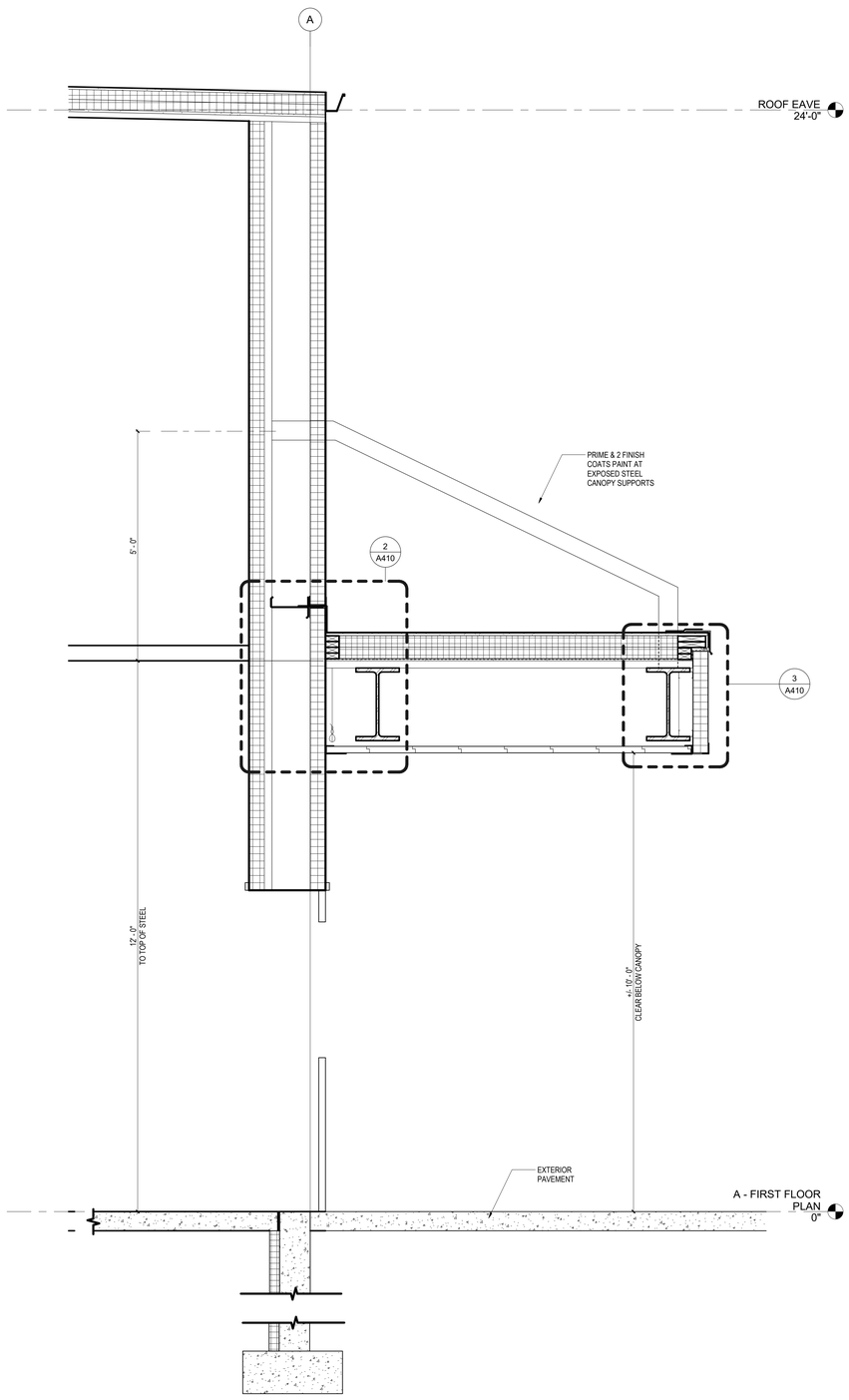
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** WALL SECTIONS

**Sheet Number:** A403

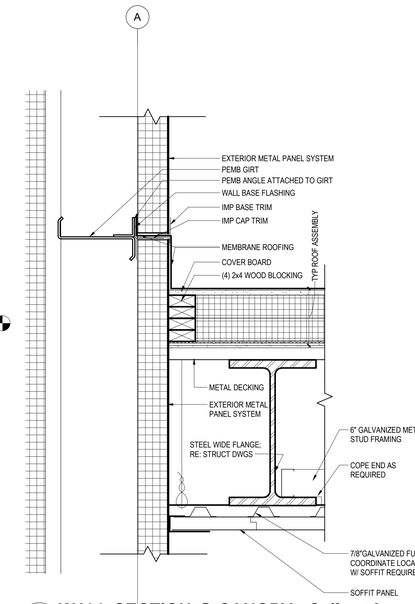
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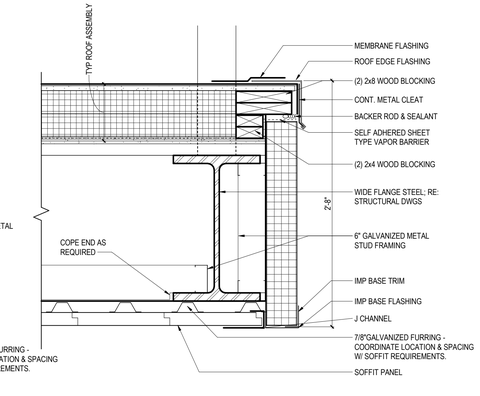

## 6 ENLARGED CANOPY PLAN
1/4" = 1'-0"
REFERENCED FROM SHEET: A105



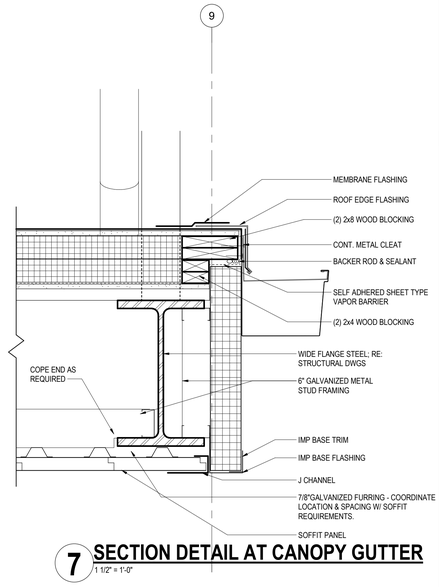

## 1 WALL SECTION @ CANOPY
3/4" = 1'-0"




## 2 WALL SECTION @ CANOPY - Callout 3
1 1/2" = 1'-0"




## 3 WALL SECTION @ CANOPY - Callout 2
1 1/2" = 1'-0"

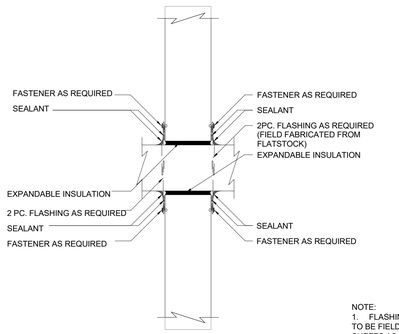


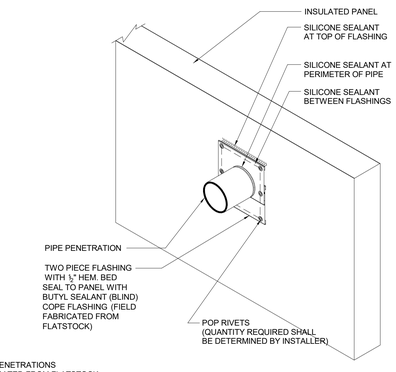

## 7 SECTION DETAIL AT CANOPY GUTTER
1 1/2" = 1'-0"




## 4 WIDE FLANGE PENETRATION AT WALL DETAIL
3" = 1'-0"




NOTE:
1. FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED SHALL BE DETERMINED BY INSTALLER
2. DO NOT ALIGN PENETRATIONS AT HORIZONTAL PANEL JOINTS OR VERTICAL REVEAL LOCATION

## 5 TYP PIPE PENETRATION AT WALL DETAIL
3" = 1'-0"


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**Project:** Alden Green House

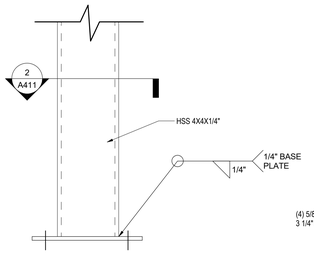
**Project Address:** 11580 WALDEN AVE
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**Drawing History:**

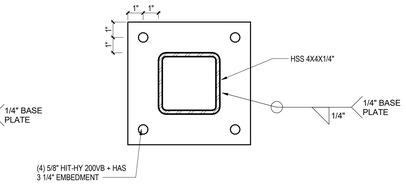
| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** CANOPY SECTION & DETAILS

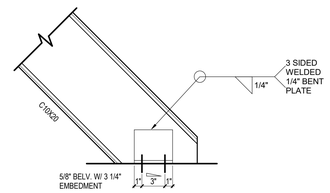
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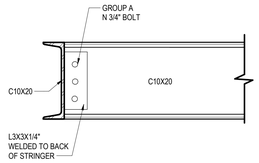

## 1 HSS COL. BASE
3" = 1'-0"



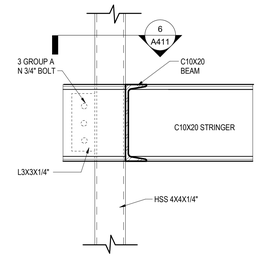

## 2 HSS COL. BASE PLATE
3" = 1'-0"



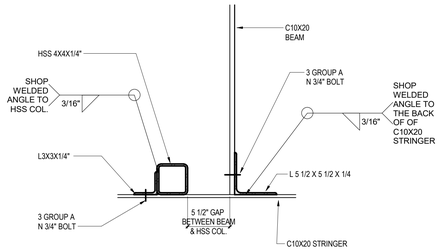

## 3 STRINGER BOTTOM CONN. AT SLAB
1 1/2" = 1'-0"



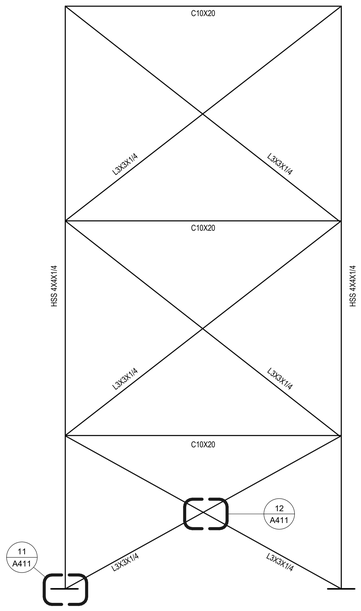

## 4 STAIR FRAMING DETAIL
1 1/2" = 1'-0"



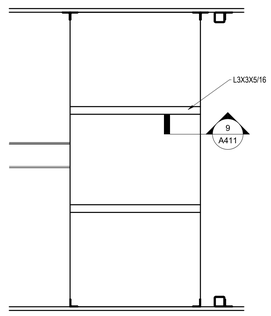

## 5 STAIR FRAMING DETAIL
1 1/2" = 1'-0"



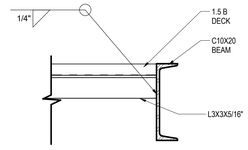

## 6 HSS COL. CONNECTION DETAIL
1 1/2" = 1'-0"



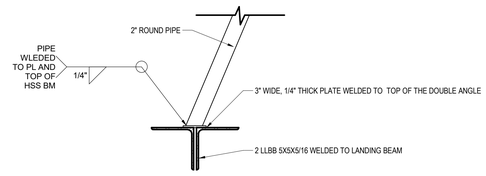

## 7 bracing elevation detail
NOT TO SCALE



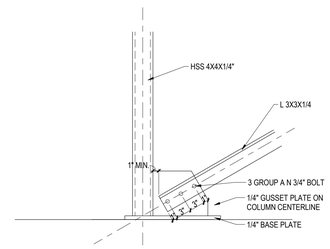

## 8 STAIR LANDING FRAMING
1/2" = 1'-0"



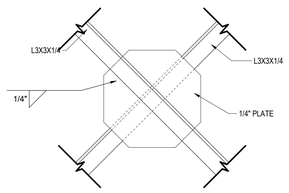

## 9 LANDING CONNECTION DETAIL
1 1/2" = 1'-0"



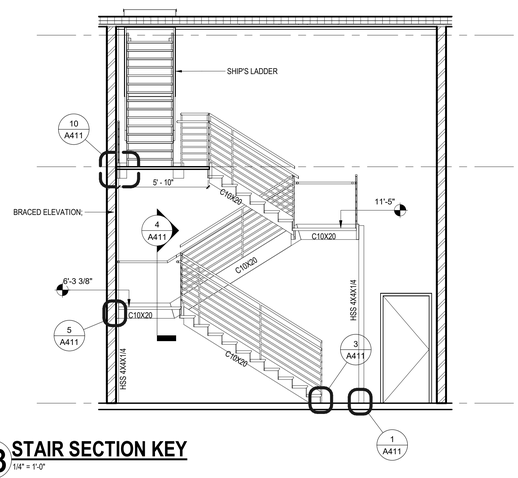

## 10 TOP LANDING CONNECTION DETAIL
1 1/2" = 1'-0"




## 11 BRACING CONNCECTION @ COL. BASE
1" = 1'-0"




## 12 BRACING CONNCECTION
1" = 1'-0"




## 13 STAIR SECTION KEY
1/4" = 1'-0"


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

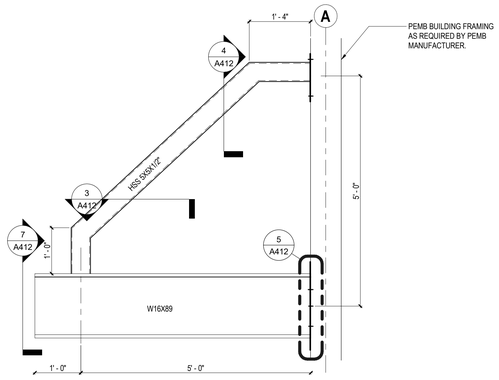
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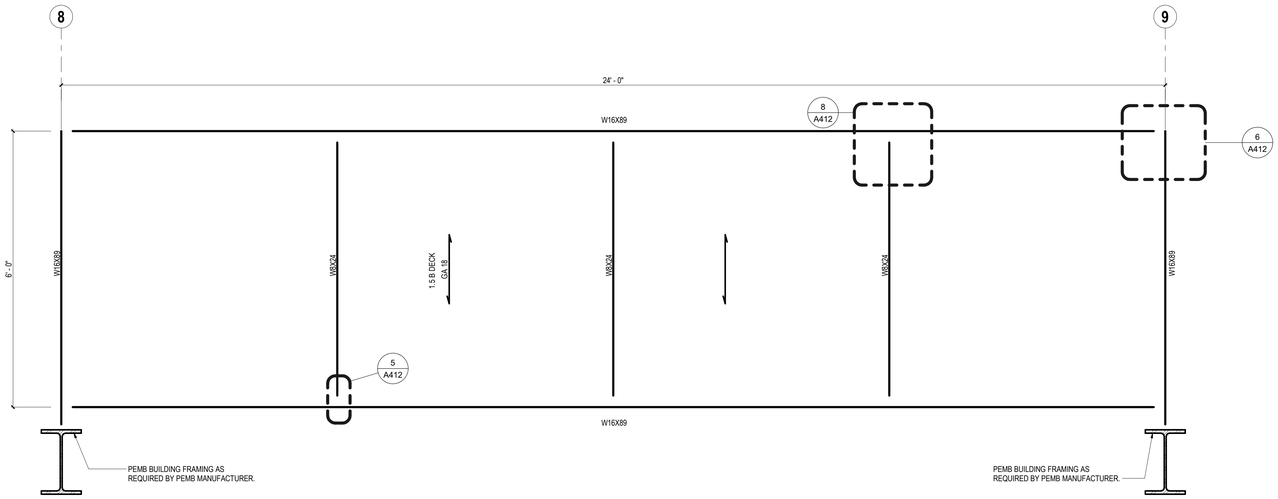
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** STAIR DETAILS

**Sheet Number:** A411

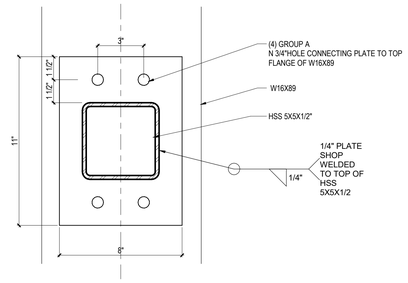
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## 1 CANOPY SECTION
3/4" = 1'-0"




## 2 CANOPY FRAMING PLAN
3/4" = 1'-0"




## 3 CANOPY DETAIL
3" = 1'-0"




## 4 CANOPY DETAIL
3" = 1'-0"




## 5 CANOPY DETAIL
3" = 1'-0"




## 6 CANOPY DETAIL
3" = 1'-0"
REFERENCED FROM SHEET: A412




## 7 CANOPY DETAIL
3" = 1'-0"




## 8 CANOPY DETAIL
3" = 1'-0"

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028161
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4/30/2026
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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

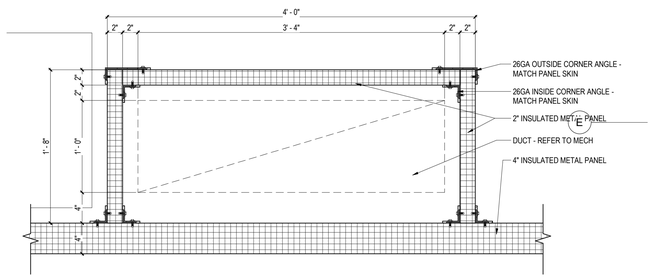
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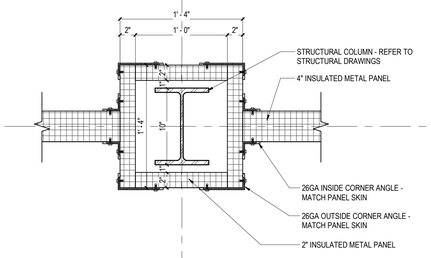
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** CANOPY DETAILS

**Sheet Number:** A412

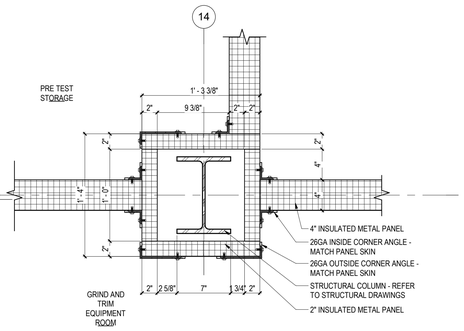
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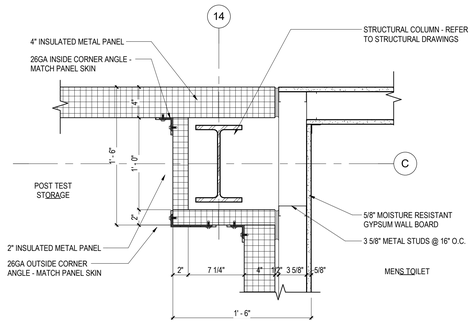

## 1 TYPICAL DUCT WRAP DETAIL
1 1/2" = 1'-0"



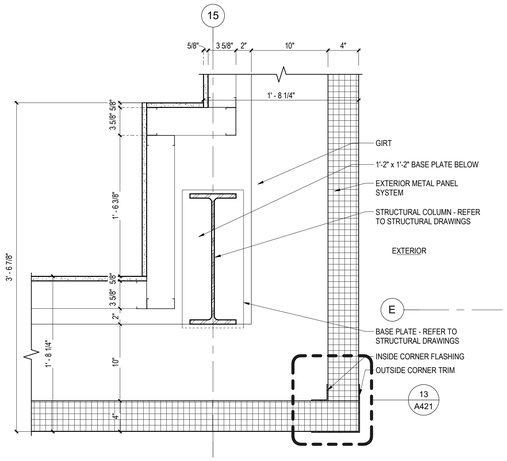

## 2 TYPICAL COLUMN DETAIL BETWEEN FLOWER ROOMS
1 1/2" = 1'-0"



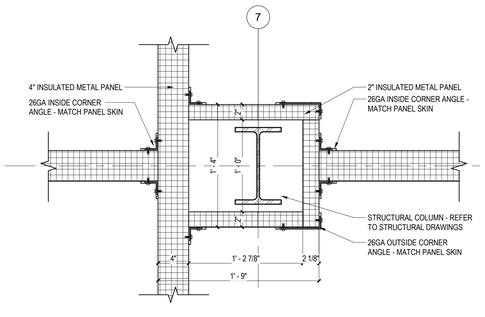

## 3 COLUMN DETAIL BETWEEN MACHINE TRIM, WASH & QUALITY CONTROL
1 1/2" = 1'-0"



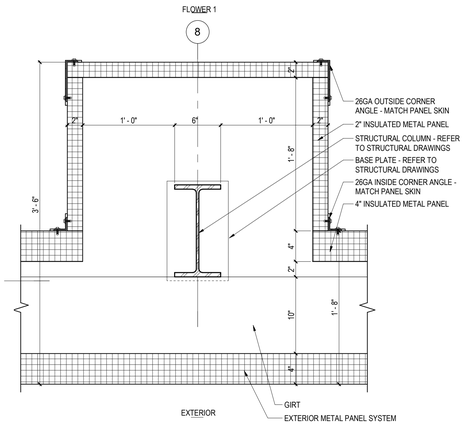

## 4 INTERIOR COLUMN WRAP @ GYP INTERSECTION
1 1/2" = 1'-0"



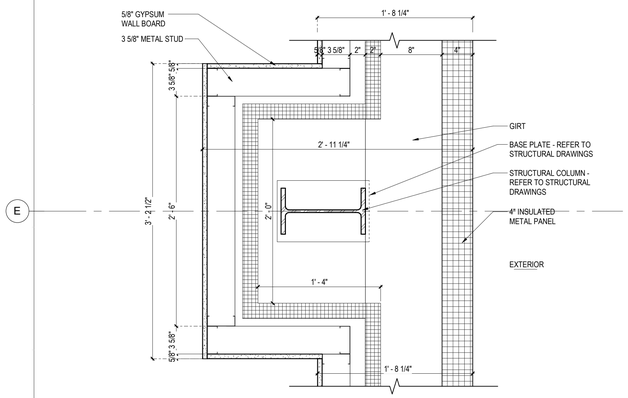

## 6 TYPICAL EXTERIOR DETAIL
1 1/2" = 1'-0"



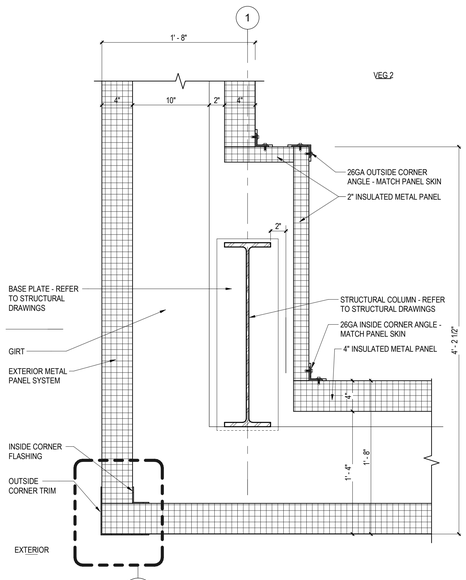

## 7 TYPICAL INTERSECTION DETAIL
1 1/2" = 1'-0"



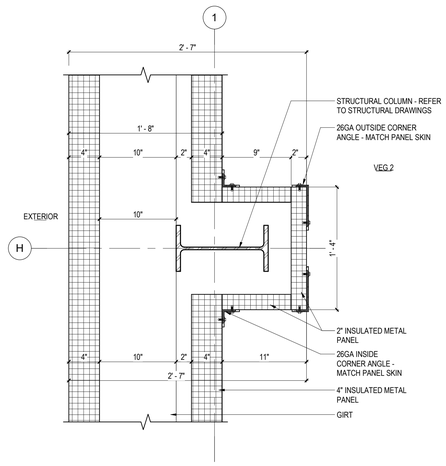

## 8 TYPICAL EXTERIOR WALL AT TAPERED COLUMN
1 1/2" = 1'-0"



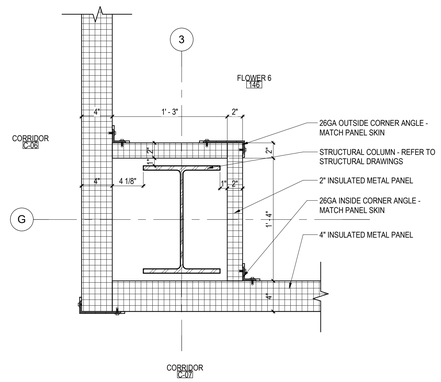

## 9 TYPICAL EXTERIOR DETAIL
1 1/2" = 1'-0"




## 10 TYPICAL EXTERIOR DETAIL
1 1/2" = 1'-0"




## 11 TYPICAL EXTERIOR DETAIL
1 1/2" = 1'-0"




## 12 TYPICAL CORNER COLUMN DETAIL BETWEEN FLOWER RM AND CORRIDOR
1 1/2" = 1'-0"


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

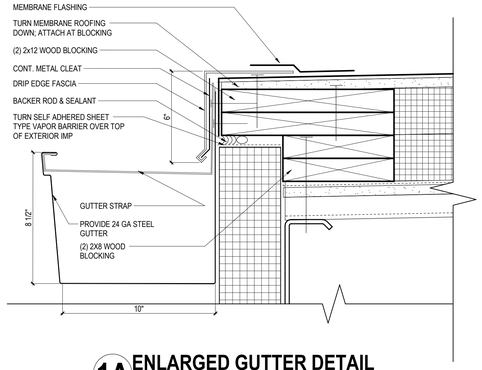
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

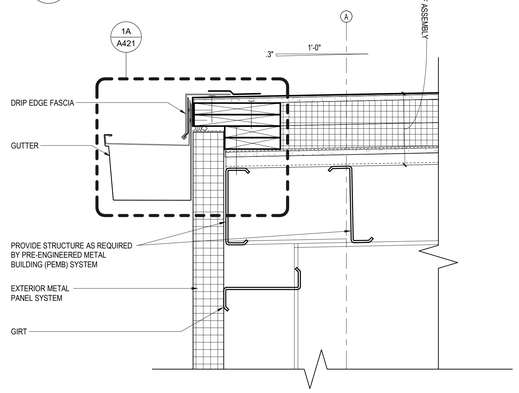
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** PLAN DETAILS

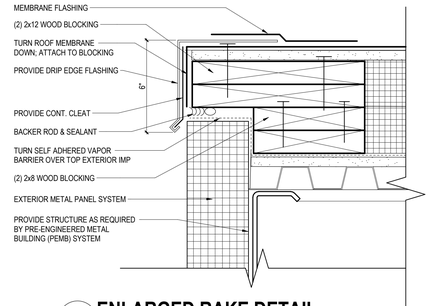
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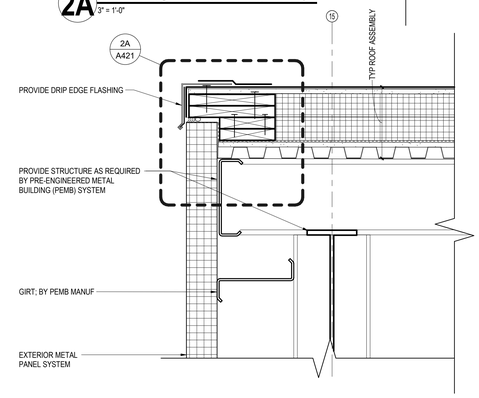

## 1A ENLARGED GUTTER DETAIL
3" = 1'-0"



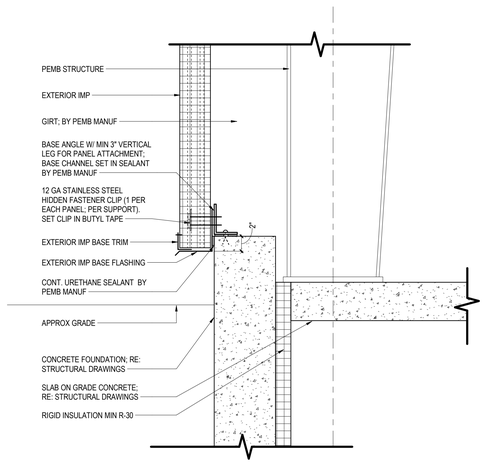

## 1 TYPICAL GUTTER DETAIL
1 1/2" = 1'-0"



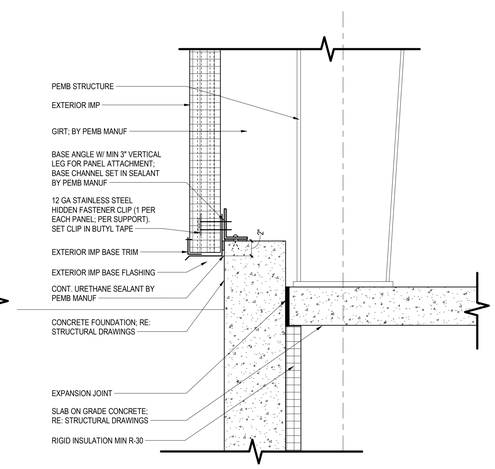

## 2A ENLARGED RAKE DETAIL
3" = 1'-0"



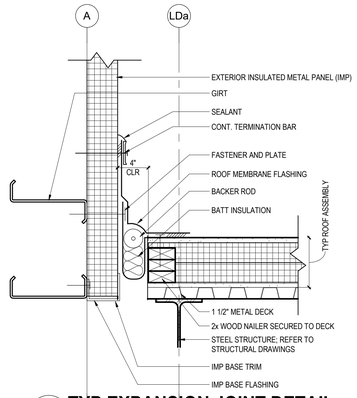

## 2 TYPICAL RAKE DETAIL
1 1/2" = 1'-0"



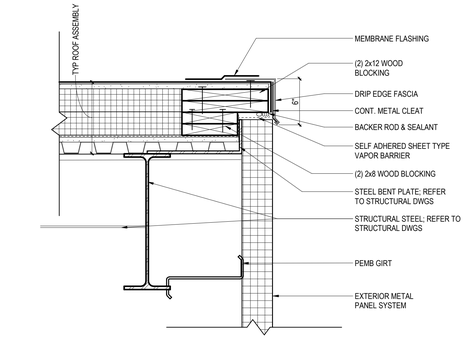

## 3 TYPICAL WALL BASE DETAIL - INSULATION
1 1/2" = 1'-0"



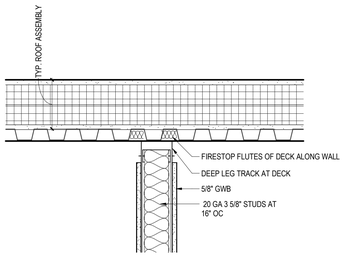

## 4 TYPICAL WALL BASE DETAIL - EXP JOINT
1 1/2" = 1'-0"



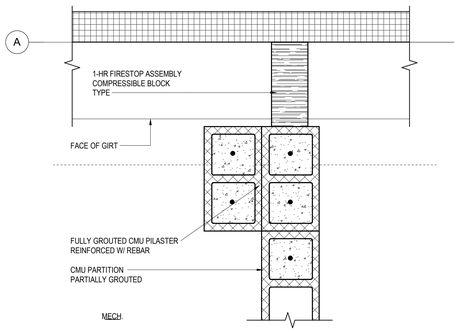

## 7 TYP EXPANSION JOINT DETAIL
1 1/2" = 1'-0"



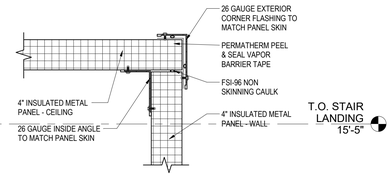

## 8 RAKE EDGE DETAIL @ LOADING DOCK
1 1/2" = 1'-0"



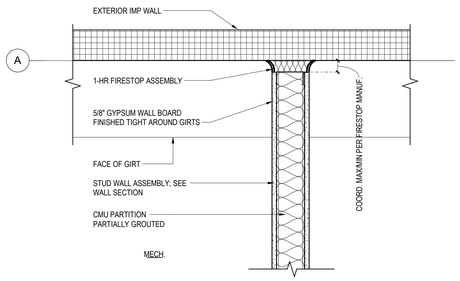

## 5 T.O. WALL 1 HR RATED DETAIL
1 1/2" = 1'-0"



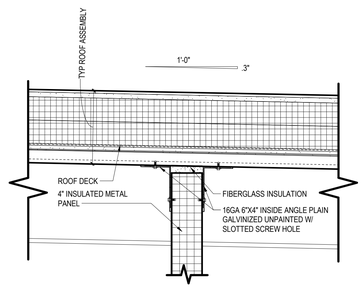

## 6 PLAN DETAIL @ RATED CMU WALL
1 1/2" = 1'-0"



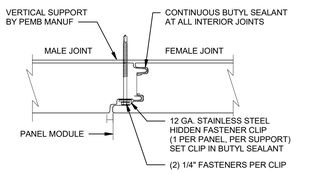

## 11 TYP IMP WALL TO ROOF DETAIL
1 1/2" = 1'-0"



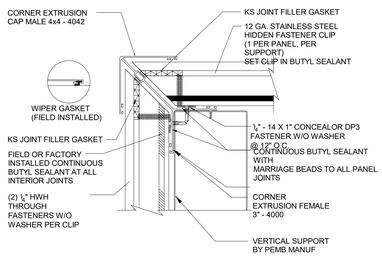

## 9 PLAN DETAIL @ RATED CMU WALL
1 1/2" = 1'-0"




## 10 TYP IMP WALL TO ROOF DECK
1 1/2" = 1'-0"




## 12 PANEL TO PANEL JOINT DETAIL
1 1/2" = 1'-0"




## 13 CORNER PANEL TO PANEL DETAIL
1 1/2" = 1'-0"

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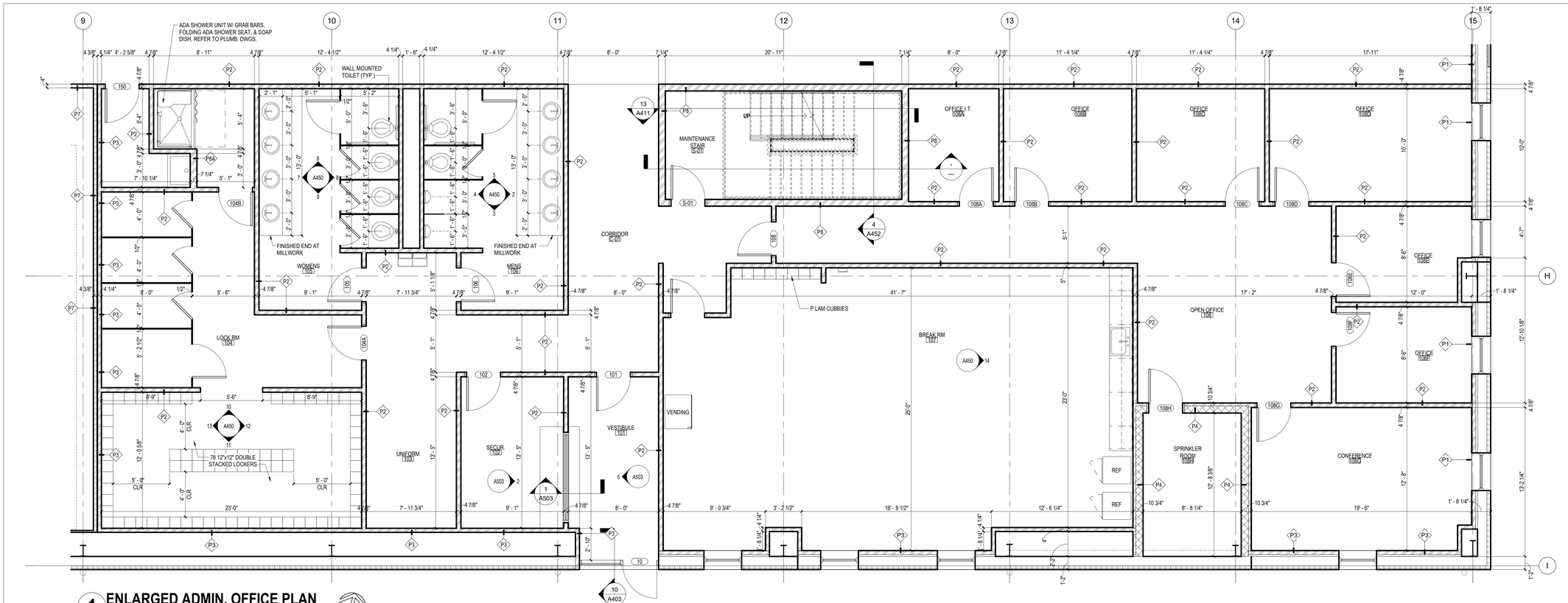
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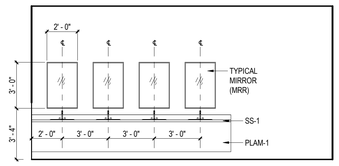
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** ENLARGED DETAILS

**Sheet Number:** A421

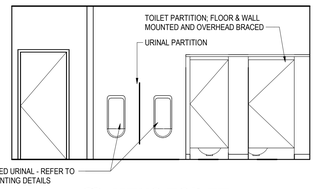
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# 1 ENLARGED ADMIN. OFFICE PLAN
1/4" = 1'-0"




# 2 MENS TOILET
1/4" = 1'-0"




# 4 MENS TOILET
1/4" = 1'-0"

NOT USED

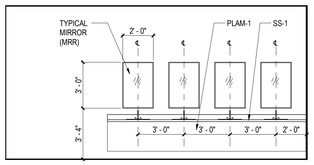
# 3 MENS TOILET
1/4" = 1'-0"

NOT USED

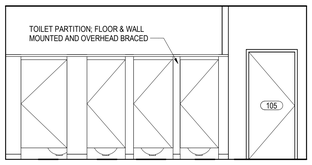
# 5 MENS TOILET
1/4" = 1'-0"

NOT USED

# 6 MENS TOILET
1/4" = 1'-0"



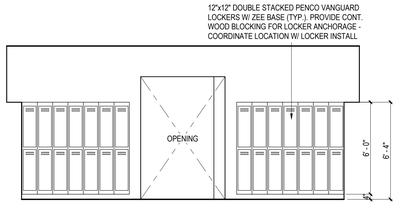

# 7 WOMENS TOILET
1/4" = 1'-0"



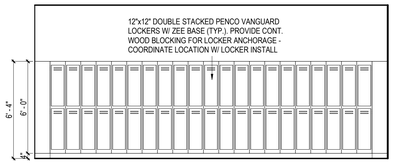

# 8 WOMENS TOILET
1/4" = 1'-0"

NOT USED

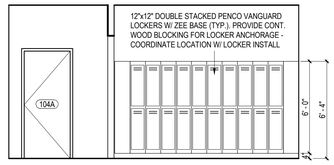
# 9 WOMENS TOILET
1/4" = 1'-0"



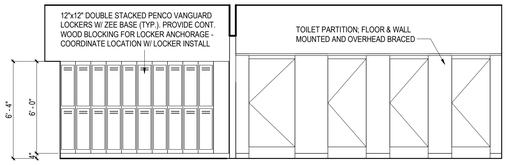

# 10 LOCKER RM
1/4" = 1'-0"



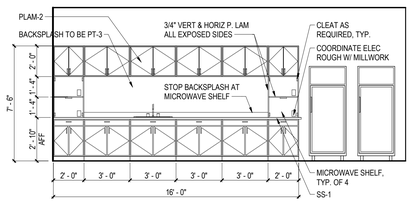

# 11 LOCKER RM
1/4" = 1'-0"




# 12 LOCKER RM
1/4" = 1'-0"




# 13 LOCKER RM
1/4" = 1'-0"




# 14 BREAK RM
1/4" = 1'-0"

**TOILET AND LOCKER ROOM ACCESSORIES SCHEDULE**

GENERAL NOTE: REFER TO G003 FOR MOUNTING HEIGHTS & LOCATIONS
INSTALL ACCESSORIES PER MANUF. WRITTEN INSTRUCTION FOR ACCESSIBILITY.

**GB-1** PRODUCT: GRAB BAR 1
MANUFACTURER: BRADLEY
FINISH: STAINLESS STEEL

**MRR-1** PRODUCT: MIRROR 1
MANUFACTURER: BRADLEY
PRODUCT: FIXED TILE MIRROR WITH SHELF
SIZE: 24" x 36"

**SD-1** PRODUCT: SOAP DISPENSER
MANUFACTURER: BRADLEY
MODEL: VERGE DECK-MOUNTED SOAP DISPENSER - METRO SERIES (6-3300)
FINISH:

**PTD-1** PRODUCT: PAPER TOWEL DISPENSER/WASTE CONTAINER
MANUFACTURER: BRADLEY
MODEL: COMBINATION FOLDED PAPER TOWEL DISPENSER/WASTE CONTAINER 2A05 RECESSED

**SCR-1** PRODUCT: SHOWER CURTAIN ROD 1
MANUFACTURER: BRADLEY
MODEL: 953B

**SC-1** PRODUCT: SHOWER CURTAIN 1
MANUFACTURER: INPRO ARCHITECTURAL PRODUCTS
PRODUCT: SUPER BIO STAT VINYL PRIVACY CURTAIN
COLOR: TO BE SELECTED

**TP-1** PRODUCT: TOILET PARTITION 1
MANUFACTURER: GENERAL PARTITIONS
COLOR: MISTED ZEPHYR
NOTE: FLOOR AND WALL MOUNTED, OVERHEAD-BRACED

**SND-1** PRODUCT: SANITARY NAPKIN DISPOSAL 1
MANUFACTURER: BRADLEY
MODEL: SURFACE MOUNTED 4722-15
FINISH: 22 GAUGE STAINLESS STEEL
NOTE: TYPICAL AT ALL WOMENS TOILET ROOMS

**TTH-1** PRODUCT: TOILET TISSUE HOLDER 1
MANUFACTURER: BRADLEY
MODEL: TOILET TISSUE DISPENSER 523

**LB-1** PRODUCT: ADA LOCKER BENCH
MANUFACTURER: PENCO
FINISH: HARDWOOD BENCH TOP WITH CLEAR LACQUER
SIZE: 24" DEEP SEAT
REFER TO PLAN FOR LENGTH. 42" MIN. REQ.
NOTE: HEAVY DUTY BENCH PEDESTALS SHALL BE ANCHORED TO FLOOR. SEATS WITHOUT BACKS MUST BE LOCATED ADJACENT A WALL.

## GENERAL TOILET ROOM AND LOCKER ROOM NOTES:

A. ALL TOILET ROOM ACCESSORIES LISTED ARE BASIS OF DESIGN.

B. PROVIDE COAT HOOKS ON ALL PARTITION DOORS. REFER TO SPECIFICATIONS FOR DETAILS.

C. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO THE START OF CONSTRUCTION.

D. ALL DIMENSIONS ARE FACE OF FINISHED WALL, UNO.

E. FOR MOUNTING HEIGHTS REFER TO G003 TYPICAL MOUNTING HEIGHTS.

F. FOR TYPICAL WALL TILE INSTALL PATTERNS REFER TO FINISH DETAILS AND ELEVATIONS.

G. ALL LOCKERS SHALL HAVE A CONT. CONCRETE CURB BASE.

H. PROVIDE BLOCKING IN WALLS AS REQUIRED.

## GENERAL CASEWORK NOTES:

A. ALL CABINET DOORS AND DRAWERS TO HAVE SOFT CLOSING HARDWARE.

B. PROVIDE FILLER PANELS AS NEEDED AT BOTH UPPER AND LOWER CABINETS TO MATCH ADJACENT CABINET FINISH.

C. PROVIDE BLOCKING IN WALLS AS REQ'D.

D. PROVIDE FINISHED END PANELS AT ALL EXPOSED ENDS OF CABINETRY.

E. ALL SOLID SURFACE COUNTERTOPS TO HAVE EASED EDGES.

F. ALL CABINET DOORS AND DRAWERS TO BE FLAT PANELS, FULL OVERLAY.

G. INSTALL ALL BASE AND FLOOR FINISHES UNDER ALL APPLIANCES AND CASEWORK LOCATIONS (TYP.).

H. PROVIDE TRIM, FILLER PANELS, AND FINISHED END PANELS AT CASEWORK TO ACCOMMODATE APPLIANCE OPENINGS.

I. COORDINATE ALL APPLIANCE OPENINGS FOR APPLIANCES THAT ARE NOT INCLUDED IN CONTRACT/OWNER PROVIDED WITH OWNER.

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**Project:** Alden Green House

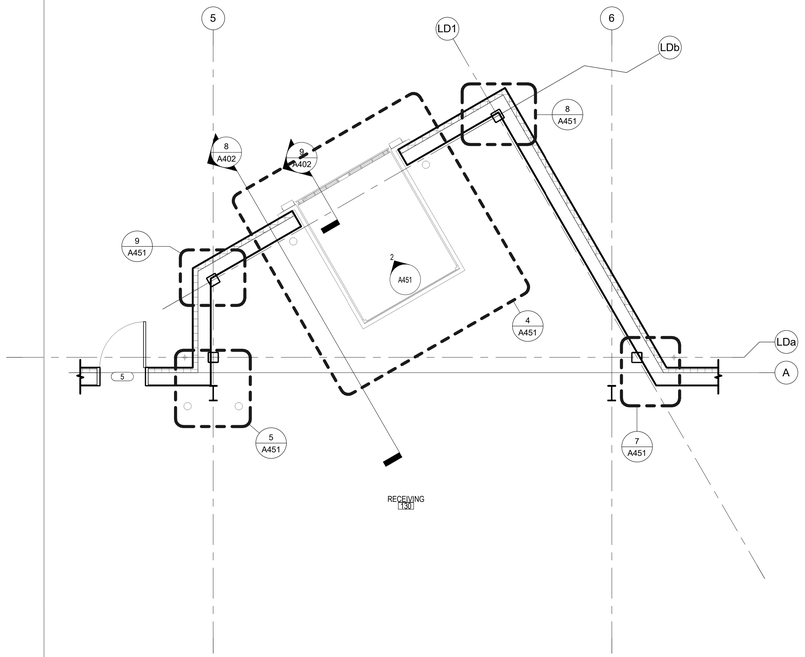
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ALDEN, NY 14004

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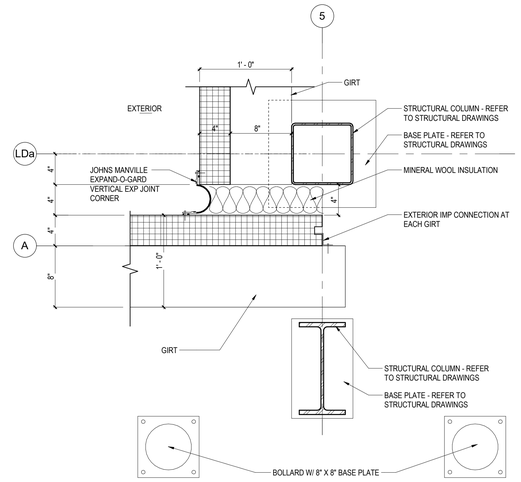
| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** ENLARGED FLOOR PLANS, DETAILS AND INTERIOR ELEVATIONS

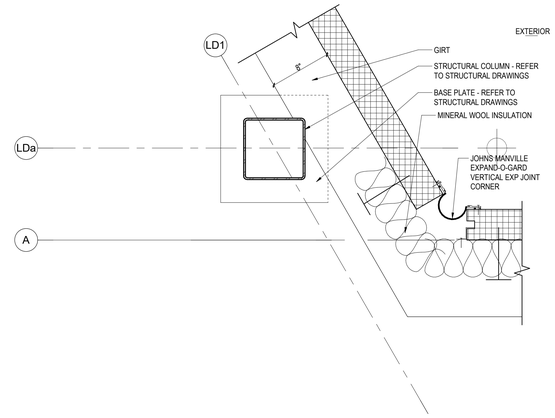
**Sheet Number:** A450




## 1 ENLARGED FLOOR PLAN - DEEP DOCK AREA
1/4" = 1'-0"



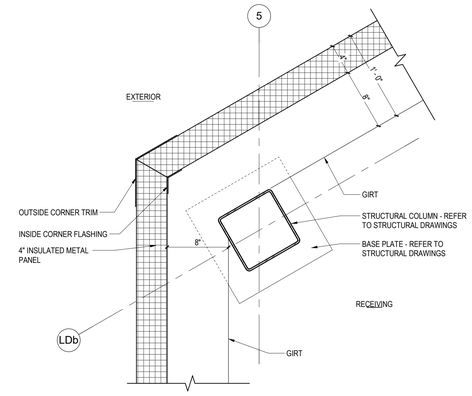

## 5 COLUMN DETAIL AT RECEIVING & FACILITIES
1 1/2" = 1'-0"



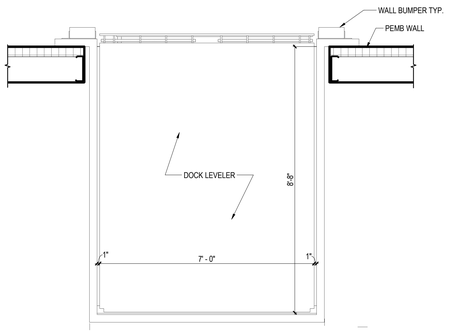

## 7 COLUMN DETAIL AT RECEIVING & FACILITIES
1 1/2" = 1'-0"



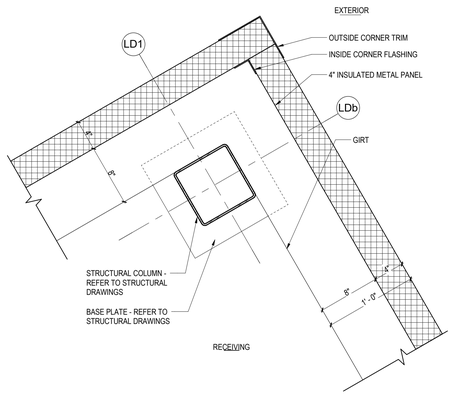

## 2 DEEP DOCK - 01
1/4" = 1'-0"




## 9 COLUMN DETAIL AT RECEIVING & FACILITIES
1 1/2" = 1'-0"




## 4 DOCK LEVELER
1/2" = 1'-0"




## 8 COLUMN DETAIL AT RECEIVING & FACILITIES
1 1/2" = 1'-0"

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4/30/2026
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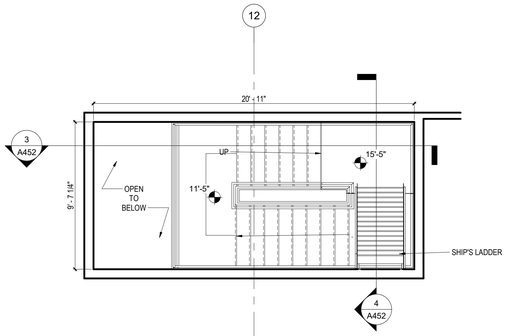
**Project Address:** 11580 WALDEN AVE
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**Drawing History:**

| # | Date | Description |
|---|---|---|

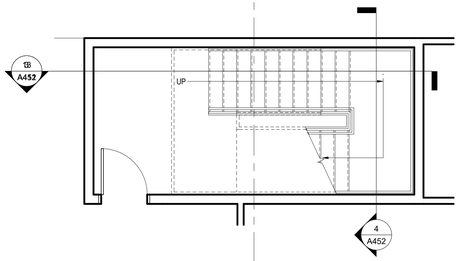
**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** ENLARGED FLOOR PLANS, DETAILS AND INTERIOR ELEVATIONS

**Sheet Number:** A451



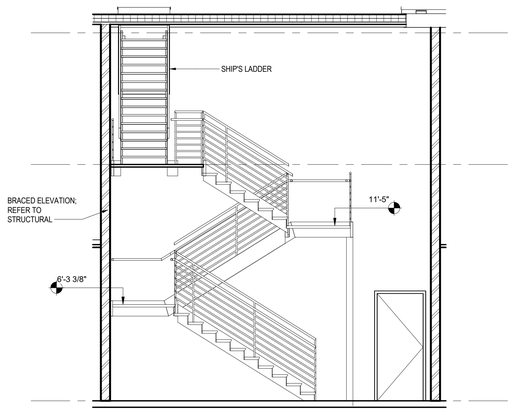

## 2 T.O. STAIR LANDING

1/4" = 1'-0"
REFERENCED FROM SHEET: A411



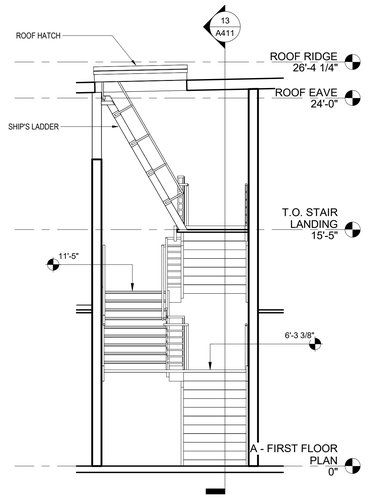

## 1 A - FIRST FLOOR STAIR PLAN

1/4" = 1'-0"
REFERENCED FROM SHEET: A201




## 3 STAIR SECTION 1

1/4" = 1'-0"




## 4 STAIR SECTION 2

1/4" = 1'-0"

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**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** STAIR DETAILS

**Sheet Number:** A452

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# DOOR SCHEDULE

| DOOR NO. | WIDTH | HEIGHT | DOOR TYPE | DOOR MATERIAL | FRAME TYPE | FRAME MATERIAL | DETAILS HEAD | DETAILS JAMB | DETAILS THRESHOLD | HARDWARE GROUP | FIRE RATING | REMARKS | DOOR NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 3'-0" | 7'-0" | F | INSUL. HM | 1 | HM | H7 | J7 | | TBD | - | | 9 |
| 8 | 3'-0" | 7'-0" | F | INSUL. HM | 1 | HM | H7 | J7 | | TBD | - | | 8 |
| 137 | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | | | 137 |
| 111A | 4'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 111A |
| 120A | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 120A |
| 133 | 4'-0" | 7'-0" | F | HM | 2 | HM | H2 | J2 | | TBD | 1-HR RATED | A | 133 |
| 108H | 3'-0" | 7'-0" | F | HM | 2 | HM | H6 | J6 | | TBD | - | A | 108H |
| 114 | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 114 |
| 123 | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 123 |
| 132 | 4'-0" | 7'-0" | F | HM | 1 | HM | H2 | J2 | | TBD | - | A | 132 |
| 109A | 4'-0" | 7'-0" | F | HM | 1 | HM | H7 | J1 | | TBD | - | A | 109A |
| 136 | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 136 |
| 109B | 4'-0" | 7'-0" | F | HM | 1 | HM | H7 | J1 | | TBD | - | A | 109B |
| 112A | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 112A |
| 110A | 4'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 110A |
| 122 | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 122 |
| 130C | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 130C |
| S-01 | 3'-0" | 7'-0" | F | HM | 1 | HM | H4 | J4 | | TBD | - | | S-01 |
| 129D | 3'-0" | 7'-0" | F | HM | 1 | HM | H4 | J4 | | TBD | - | A | 129D |
| 115 | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 115 |
| 116 | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 116 |
| 150 | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 150 |
| 105 | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 105 |
| 106 | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 106 |
| 110B | 4'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 110B |
| 111B | 4'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 111B |
| 112B | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | A | 112B |
| 1 | 3'-0" | 7'-0" | F | INSUL. HM | 1 | HM | H7 | J7 | | TBD | - | | 1 |
| 104A | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 104A |
| 102 | 3'-0" | 7'-0" | F | HM | 1 | HM | H6 | J6 | | TBD | - | | 102 |
| 130A | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 130A |
| 104B | 3'-0" | 7'-0" | F | HM | 1 | HM | H5 | J5 | | TBD | - | | 104B |
| 10 | 3'-0" | 7'-0" | FG2 | AL | AL1 | AL | H9 | J9 | T3 & T4 | TBD | - | A | 10 |
| 128B | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | A | 128B |
| 128C | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | A | 128C |
| 121 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 121 |
| 113A | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 113A |
| 125 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 125 |
| 129E | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | A | 129E |
| 129C | 3'-0" | 7'-0" | HG | HM | 1 | HM | H4 | J4 | | TBD | - | A | 129C |
| 108G | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108G |
| 131A | 3'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | - | | 131A |
| 131B | 3'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | - | | 131B |
| 127A | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 127A |
| 117 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | A | 117 |
| 118 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 118 |
| 113B | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 113B |
| 134 | 3'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | - | A | 134 |
| 120 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 120 |
| 119 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 119 |
| 124 | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 124 |
| 108E | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108E |
| 108F | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108F |
| 108A | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108A |
| 108 | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | A | 108 |
| 108B | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108B |
| 108C | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108C |
| 108D | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 108D |
| 127B | 6'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | | | 127B |
| 107 | 3'-0" | 7'-0" | HG | HM | 1 | HM | H6 | J6 | | TBD | - | | 107 |
| 126 | 3'-0" | 7'-0" | HG | HM | 1 | HM | H5 | J5 | | TBD | - | A | 126 |
| C-03 | 6'-0" | 7'-0" | N | HM | 1 | HM | H6 | J6 | | TBD | - | A | C-03 |
| C-02 | 6'-0" | 7'-0" | N | HM | 1 | HM | H6 | J6 | | TBD | - | A | C-02 |
| 135 | 3'-0" | 7'-0" | N | HM | 1 | HM | H5 | J5 | | TBD | - | | 135 |
| 2 | 8'-0" | 8'-0" | OH1 | STEEL | -- | -- | H8 SIM | J8 SIM | | TBD | - | | 2 |
| 6 | 8'-0" | 8'-0" | OH1 | STEEL | -- | -- | H8 | J8 | | TBD | - | | 6 |
| 4 | 8'-0" | 10'-0" | OH1 | STEEL | -- | -- | H8 | J8 | | TBD | - | | 4 |
| 130B | 8'-0" | 8'-0" | OH2 | STEEL | 3 | BMRP | H3 | J3 | | TBD | - | | 130B |
| 129F | 8'-0" | 8'-0" | OH2 | STEEL | 3 | BMRP | H8 | J8 | | TBD | - | | 129F |
| 131C | 8'-0" | 8'-0" | OH2 | STEEL | -- | BMRP | H3 | J3 | | TBD | - | | 131C |
| 139 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 139 |
| 140 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 140 |
| 138 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 138 |
| 147 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 147 |
| 148 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 148 |
| 149 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 149 |
| 146 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 146 |
| 145 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 145 |
| 144 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 144 |
| 143 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 143 |
| 142 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 142 |
| 141 | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 141 |
| 129A | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 129A |
| 129B | 4'-0" | 7'-0" | P | INS METAL | 3 | BMRP | H1 | J1 | | TBD | - | | 129B |
| 7 | 6'-0" | 7'-0" | V | INSUL. HM | 1 | HM | H7 | J7 | | TBD | | | 7 |
| 3 | 3'-0" | 7'-0" | V | INSUL. HM | 1 | HM | H7 | J7 | | TBD | | | 3 |
| 5 | 3'-0" | 7'-0" | V | INSUL. HM | 1 | HM | H7 SIM | J8 SIM | | TBD | | | 5 |
| 101 | 3'-0" | 7'-0" | V | HM | 1 | HM | H6 | J6 | | TBD | | A | 101 |

## REMARKS:

A. DOOR CONTROLLED BY ELECTRONIC ACCESS CONTROL SYSTEM.

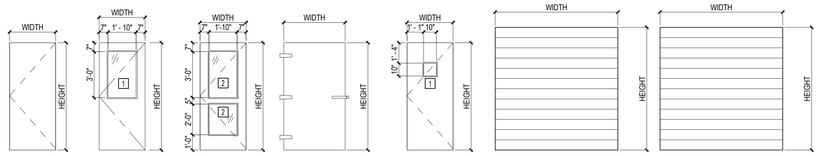
## GENERAL NOTES:

A. ALL INTERIOR AND EXTERIOR HM DOORS & FRAMES ARE TO BE PRIMED AND PAINTED, SEE FINISHES FOR COLOR SELECTION(S).

B. COORDINATE INSTALLATION AND WIRING OF ALL DOOR HARDWARE AND ACCESS CONTROL SYSTEM DEVICES.

C. ALL INTERIOR AND EXTERIOR OH DOORS & TRACKS ARE TO BE FACTORY FINISHED.

D. NOT ALL OPENINGS REQUIRED TO HAVE BENT METAL REINF'G PLATES ARE SCHEDULED AS SUCH. REFER TO DETAILS TO COORDINATE THIS REQMT.

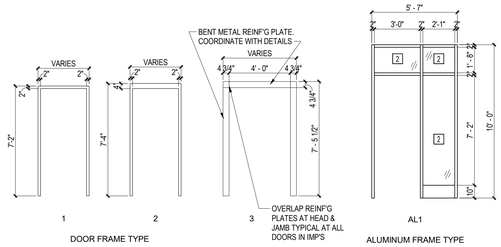



INSULATED GALVANIZED ROLLING STEEL OVERHEAD DOOR W/ RIBBED PANEL MANUAL OPERATOR

UNINSULATED GALVANIZED ROLLING STEEL OVERHEAD DOOR W/ RIBBED PANEL ELECTRIC OPERATION

## DOOR TYPES

1/4" = 1'-0"




DOOR FRAME TYPE

ALUMINUM FRAME TYPE

## FRAME TYPES

1/4" = 1'-0"

| GLAZING SCHEDULE | | |
|---|---|---|
| TYPE | THICKNESS | DESCRIPTION |
| 1 | 1/4" | TEMPERED CLEAR VISION GLASS |
| 2 | 1" | INSULATED TEMPERED SAFETY GLASS |

## GLAZING TYPES

NOT TO SCALE

## ABBREVIATIONS:

| | |
|---|---|
| INSUL. HM | INSULATED HOLLOW METAL |
| AL | ALUMINUM STOREFRONT |
| INS. METAL | INSULATED COOLER TYPE DOOR ASSEMBLY |
| HM | HOLLOW METAL |
| BMRP | BENT METAL REINF'G PLATE |


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REGISTERED ARCHITECT TIMOTHY MICHAEL MOSER STATE OF NEW YORK 029816

4/30/2026

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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

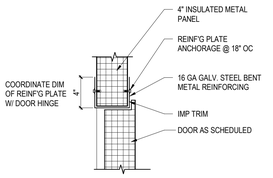
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**Date:** 11/26/2025

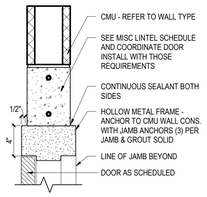
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**Sheet Title:** DOOR SCHEDULE, TYPES AND DETAILS

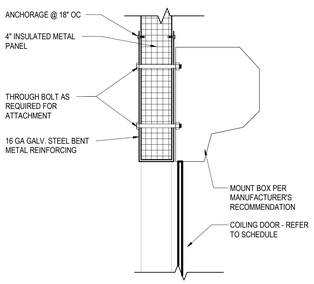
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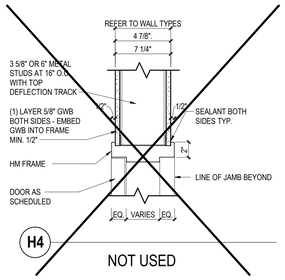

H1




H2

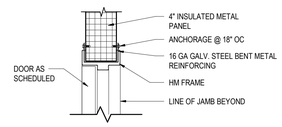



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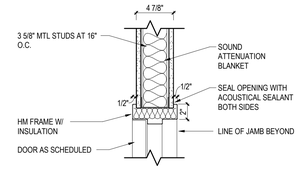



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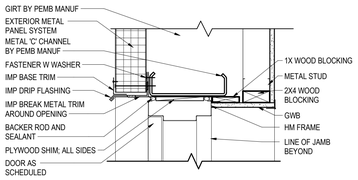
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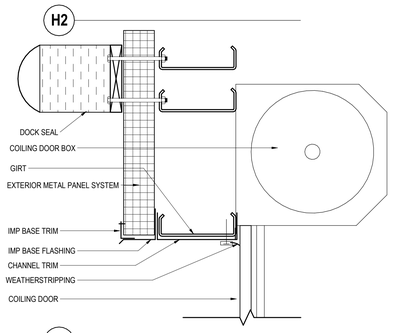

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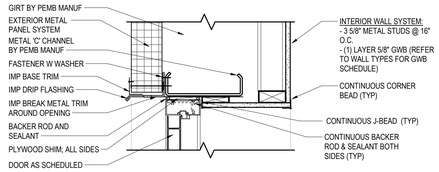

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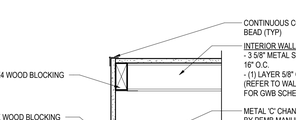

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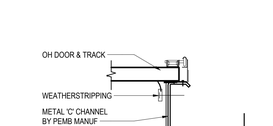

H8




H9




J1




J2




J3




J4

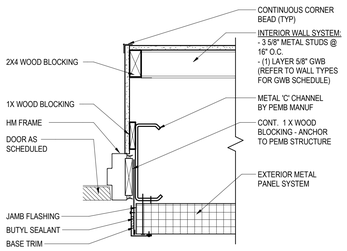
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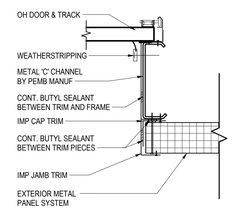

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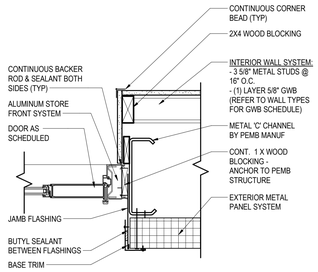

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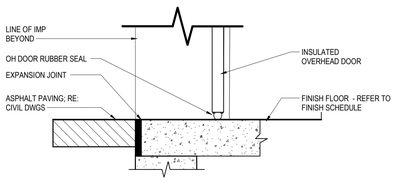

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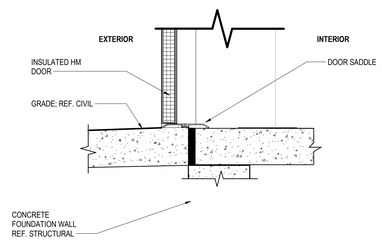

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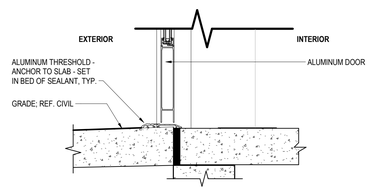

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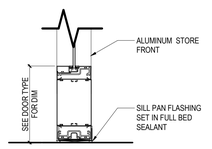

**T1 - TYP. OVERHEAD DOOR THRESHOLD DETAIL**



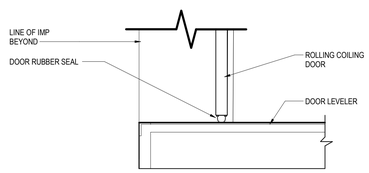

**T2 - TYP. HOLLOW METAL DOOR FRAME THRESHOLD DETAIL**




**T3 - TYP. ALUM. DOOR FRAME THRESHOLD DETAIL**




**T4 - TYP. ALUM. DOOR FRAME THRESHOLD DETAIL**




**T5 - ROLLING COILING DOOR THRESHOLD - RECEIVING**


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REGISTERED ARCHITECT TIMOTHY MICHAEL MOSER 029281-01 STATE OF NEW YORK

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**Project:** Alden Green House

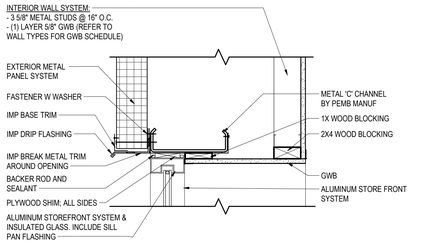
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

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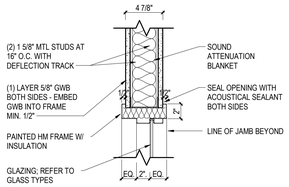
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**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** DOOR DETAILS

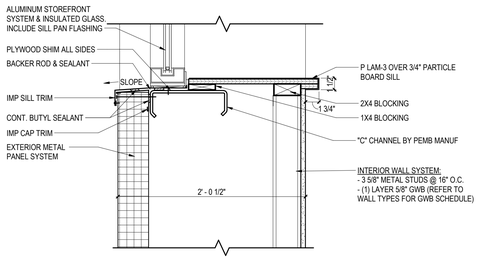
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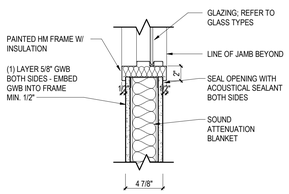

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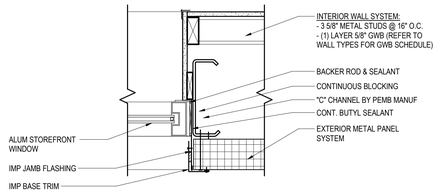

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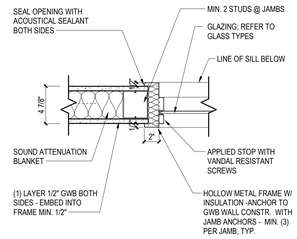

S9




S10




J9




J10

## GENERAL WINDOW NOTES:

1. PRIME AND PAINT ALL HM FRAMES

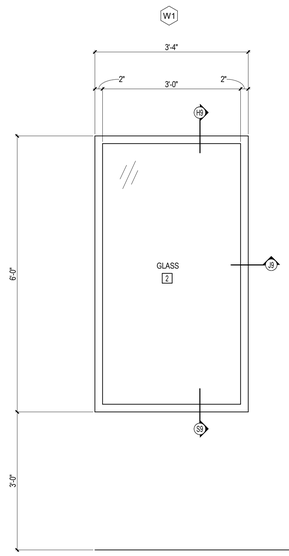
**WINDOW SCHEDULE**

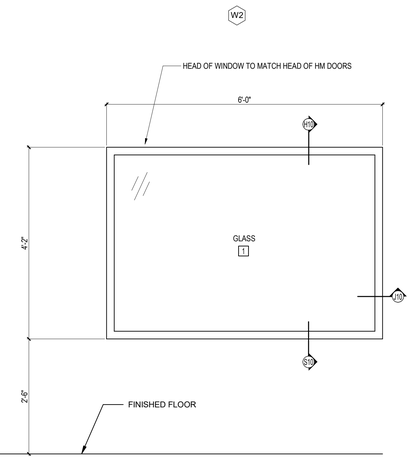
| MARK | WIDTH | HEIGHT | SILL HEIGHT AFF | NOTES |
|---|---|---|---|---|
| W1 | 3'-4" | 6'-0" | 3'-0" | EXTERIOR |
| W2 | 6'-0" | 4'-2" | 3'-0" | INTERIOR |
| W3 | 8'-0" | 4'-7" | 2'-7" | W/ BEAL TRAY AND SPEAK THRU GRILLE |

## GLASS TYPES:

GL1 - 1/4" CLEAR TEMPERED GLASS

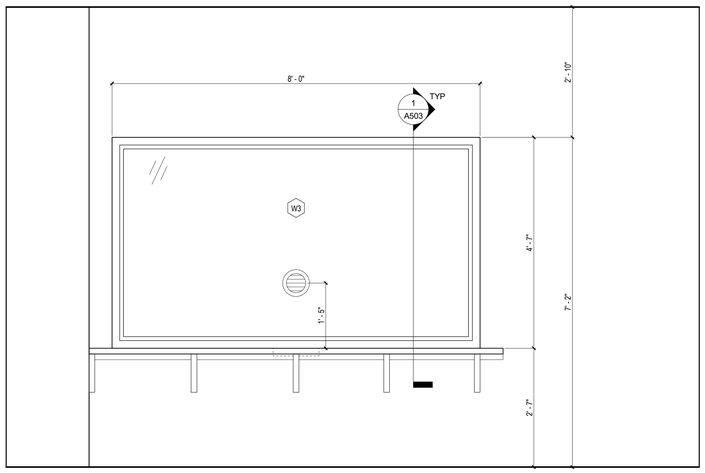
GL2 - 1" LOW-E COATED CLEAR INSULATED LAMINATED GLASS



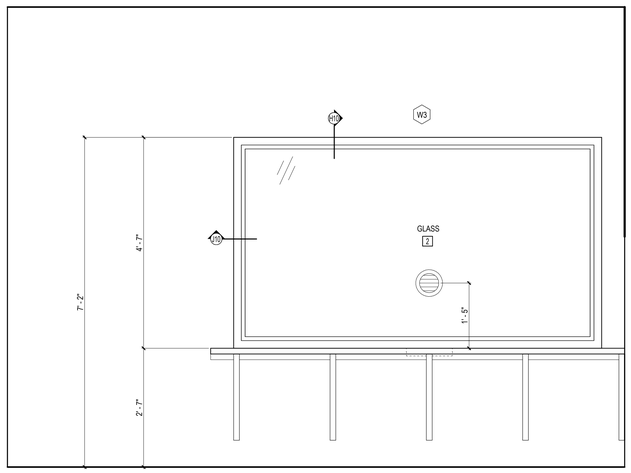

## WINDOW ELEVATIONS

3/4" = 1'-0"



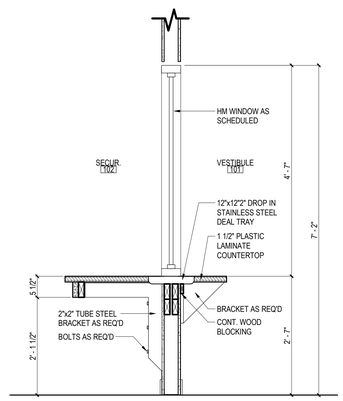

## 5 VESTIBULE COUNTER ELEVATION

3/4" = 1'-0"




## 2 SECUR. COUNTER ELEVATION

3/4" = 1'-0"




## 1 SECTION AT RECEPTION COUNTER

3/4" = 1'-0"

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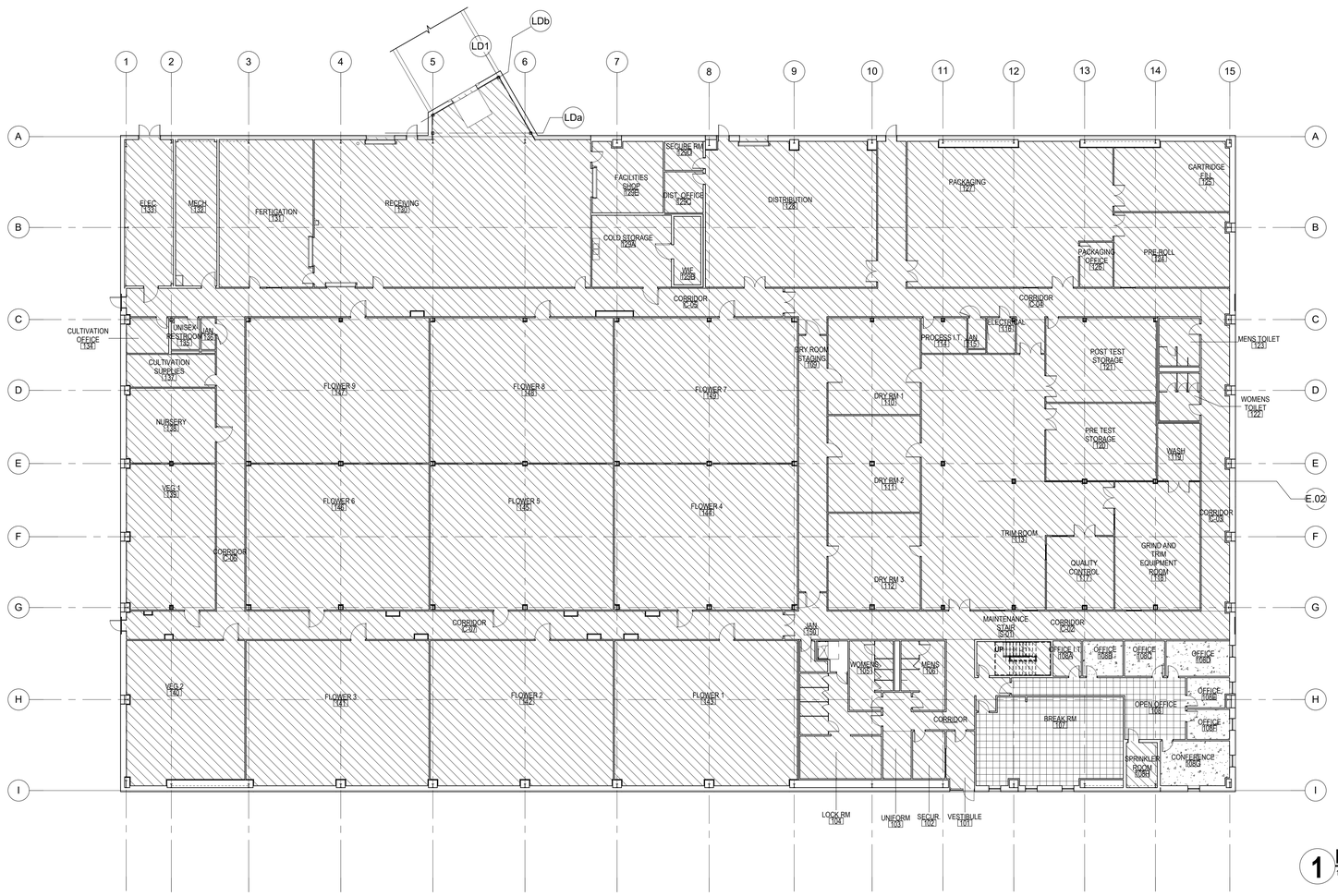
**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** WINDOW SCHEDULE, TYPES AND DETAILS

**Sheet Number:** A503

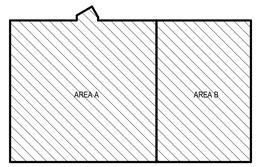



## FINISH KEY

- CPT-1
- EPOXY-1
- LVT-1

### FINISH DETAIL NOTES:

A. WHERE SCHEDULED, WALL TILE IS TO BE INSTALLED ON ALL WALL SURFACES IN THE ROOM FROM FLOOR TO CEILING. COORDINATE W/ BASE DETAIL.




1 **FLOOR PLAN**
1/16" = 1'-0"

**KEY PLAN**
NOT TO SCALE

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ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** OVERALL FINISHES PLAN

**Sheet Number:** A601

# ROOM FINISH SCHEDULE

| ROOM # | ROOM NAME | FLOOR FINISH | BASE FINISH | WALL FINISH | CEILING FINISH |
|---|---|---|---|---|---|
| 101 | VESTIBULE | EPOXY-1 | RB-1 | PT-2 | GWB, PT-4 |
| 102 | SECUR. | EPOXY-1 | RB-1 | PT-2 | GWB, PT-4 |
| 103 | UNIFORM | EPOXY-1 | RB-1 | PT-2 | ACT-1 |
| 104 | LOCK RM | EPOXY-1 | RB-1 | PT-2 | GWB, PT-4 |
| 105 | WOMENS RR | EPOXY-1 | EB-1 | CT-1 | GWB, PT-4 |
| 106 | MENS | EPOXY-1 | EB-1 | CT-1 | GWB, PT-4 |
| 107 | BREAK RM | LVT-1 | RB-1 | PT-2, PT-3 | ACT-1 |
| 108 | OPEN OFFICE | LVT-1 | RB-1 | PT-2 | ACT-1 |
| 108A | OFFICE I.T. | EPOXY-1 | EB-1 | PT-2 | ACT-1 |
| 108B | OFFICE | CPT-1 | RB-1 | PT-2 | ACT-1 |
| 108C | OFFICE | CPT-1 | RB-1 | PT-2 | ACT-1 |
| 108D | OFFICE | CPT-1 | RB-1 | PT-2 | ACT-1 |
| 108E | OFFICE | CPT-1 | RB-1 | PT-2 | ACT-1 |
| 108F | OFFICE | CPT-1 | RB-1 | PT-2 | ACT-1 |
| 108G | CONFIRENCE | CPT-1 | RB-1 | PT-2 | ACT-1 |
| 108H | SPRINKLER ROOM | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| 109 | DRY ROOM STAGING | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| 110 | DRY RM 1 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 111 | DRY RM 2 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 112 | DRY RM 3 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 113 | TRIM ROOM | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 114 | PROCESS I.T. | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 115 | JAN | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 116 | ELECTRICAL | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 117 | QUALITY CONTROL | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 118 | GRIND AND TRIM EQUIPMENT ROOM | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 119 | WASH | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 120 | PRE TEST STORAGE | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 121 | POST TEST STORAGE | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 122 | WOMENS TOILET | EPOXY-1 | EB-1 | CT-1 | GWB, PT-4 |
| 123 | MENS TOILET | EPOXY-1 | EB-1 | CT-1 | GWB, PT-4 |
| 124 | PRE-ROLL | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 125 | CARTRIDGE FILL | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 126 | PACKAGING OFFICE | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 127 | PACKAGING | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 128 | DISTRIBUTION | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 129A | COLD STORAGE | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 129B | WIF | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 129C | DIST. OFFICE | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 129D | SECURE RM | EPOXY-1 | EB-1 | PT-2 | GWB, PT-4 |
| 129E | FACILITIES SHOP | EPOXY-1 | EB-1 | PT-2 | ACT-1 |
| 130 | RECEIVING | EPOXY-1 | EB-1 | INS-1 | EXPOSED |
| 131 | FERTIGATION | EPOXY-1 | EB-1 | INS-1 | EXPOSED |
| 132 | MECH. | EPOXY-1 | EB-1 | INS-1 | EXPOSED |
| 133 | ELEC. | EPOXY-1 | EB-1 | INS-1 | EXPOSED |
| 134 | CULTIVATION OFFICE | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 135 | UNISEX RESTROOM | EPOXY-1 | EB-1 | CT-1 | GWB, PT-4 |
| 136 | JAN. | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| 137 | CULTIVATION SUPPLIES | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| 138 | NURSERY | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 139 | VEG 1 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 140 | VEG 2 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 141 | FLOWER 3 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 142 | FLOWER 2 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 143 | FLOWER 1 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 144 | FLOWER 4 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 145 | FLOWER 5 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 146 | FLOWER 6 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 147 | FLOWER 9 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 148 | FLOWER 8 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 149 | FLOWER 7 | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| 150 | JAN | EPOXY-1 | EB-1 | INS-1 | INS-1 |
| C-01 | CORRIDOR | EPOXY-1 | EB-1 | PT-2 | ACT-1 |
| C-02 | CORRIDOR | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| C-03 | CORRIDOR | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| C-04 | CORRIDOR | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| C-05 | CORRIDOR | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| C-06 | CORRIDOR | EPOXY-1 | EB-1 | INS-1 | ACT-1 |
| C-07 | CORRIDOR | EPOXY-1 | EB-1 | PT-2 | ACT-1 |
| S-01 | MAINTENANCE STAIR | EPOXY-1 | RB-1 | PT-2 | EXPOSED |

## FINISH DETAIL NOTES:

A. REFER TO FINISH SCHEDULE FOR MATERIAL LOCATIONS.

B. REFER TO FINISH FLOOR PLAN FOR TRANSITION STRIP AND WALL PANEL LOCATIONS.

C. ALL TRANSITION STRIPS SHALL BE INSTALLED PER MANUFACTURES SPECIFICATIONS.

D. TRANSITION STRIP FINISH TO BE SELECTED BY ARCHITECT AND MAY VARY AT EACH LOCATION.

E. ALL WALL PROTECTION PANELS TO HAVE ASSOCIATED TRIM PIECES FROM MANUFACTURER TO MATCH PANELS IN COLOR AND FINISH.

F. REFER TO FINISH SCHEDULE FOR BASE LOCATIONS.

G. SIGNAGE TO BE ADA COMPLIANT. COORDINATE WITH OWNER FOR SIZES, INFORMATION AND LOCATIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

H. TYPICAL ROOM SIGNAGE TO BE LOCATED AT EVERY DOOR. COORDINATE WITH OWNER FOR FINAL DESIGN AND LOCATIONS.

I. ALL DOORS AND DOOR FRAMES TO RECEIVE PT-1

J. ALL HM FRAMES TO RECEIVE PT-1

## GENERAL FINISH NOTES:

A. REFERENCE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.

B. FLOORING INSTALLATION - EVENLY DISTRIBUTE THROUGHOUT THE ROOM, STARTING WITH FULL SIZE TILES AT THE ENTRY U.N.O.

C. AREA SF IN FINISH SCHEDULE IS AN ESTIMATION. CONTRACTOR TO VERIFY.

D. WALLS WITH PEMB* METAL LINER PANEL SYSTEM ON THE INTERIOR ARE NOT TO BE PAINTED.

E. CONTRACTOR TO PROVIDE AND INSTALL MATERIALS BASED ON MANUFACTURER'S RECOMMENDATIONS. ALL SURFACES TO BE PREPARED PRIOR TO INSTALLATION OF FINISH MATERIALS PER MANUFACTURER RECOMMENDATIONS IN ORDER TO MAINTAIN PRODUCT WARRANTY.

F. PROVIDE TRANSITIONS AS REQ'D BETWEEN DIFFERENT FLOOR MATERIALS.

G. INSTALL ALL FLOOR AND BASE FINISHES UNDER ALL APPLIANCE AND CASEWORK LOCATIONS, TYP.

H. PROVIDE ROLLER TYPE WINDOW COVERING AT ALL WINDOWS IN EXTERIOR WALLS.

I. PROVIDE SEALANT AND JOINT PREP AT ALL JOINTS IN FLOORS SCHEDULED FOR EPOXY FINISH.

## FINISH MATERIALS:

**FLOOR:**

**EPOXY-1**
MATERIAL: SELF LEVELING SEAMLESS FLOOR
MANUFACTURER: SHERWIN WILLIAMS
RESUFLOR GARD SL SYSTEM
COLOR: STEEL GRAY

**LVT-1**
MATERIAL: LUXURY VINYL TILE
MANUFACTURER: INTERFACE
COLLECTION: STUDIO SET
COLOR: TITANIUM A00705
SIZE: 25CM X 1M

**CPT-1**
MATERIAL: CARPET
MANUFACTURER: INTERFACE
COLLECTION: OPEN ROAD
STYLE: FREE RIGEN
COLOR: CHARCOAL 108397
SIZE: 25CM X 1M

**CEILING:**

**INS-1**
MATERIAL: INSULATED METAL PANEL
MANUFACTURER: PERMATHERM
METAL TYPE: 26 GA GALVANIZED
PROFILE: CLASSIC SHADOW LINES
TEXTURE: SMOOTH
COLOR: POLAR WHITE

**WALL:**

**PT-1**
MATERIAL: PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: DEEP FOREST BROWN

**PT-2**
MATERIAL: PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: PURE WHITE

**PT-3**
MATERIAL: PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: JADE DRAGON

**PT-4**
MATERIAL: PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: CEILING BRIGHT WHITE

**INS-1**
MATERIAL: INSULATED METAL PANEL
MANUFACTURER: PERMATHERM
METAL TYPE: 26 GA GALVANIZED
PROFILE: CLASSIC SHADOW LINES
TEXTURE: SMOOTH
COLOR: POLAR WHITE

**CT-1**
MATERIAL: CERAMIC TILE 1
MANUFACTURER: DALTILE
COLLECTION: COLOR WHEEL
STYLE: LINEAR
COLOR: ARCTIC WHITE
SIZE: 8X24

**G-1**
MATERIAL: GROUT
MANUFACTURER: LATICRETE
COLOR: SMOKE GREY 89

**BASE:**

**RB-1**
MATERIAL: RUBBER BASE 1
MANUFACTURER: ROPPE
COLOR: 100 BLACK
STYLE: PINNACLE STANDARD TOE
SIZE: 6"

**EB-1**
MATERIAL: SEAMLESS WALL COATING
MANUFACTURER: SHERWIN WILLIAMS
RESUFLOR COVE REZ
COLOR: STEEL GRAY

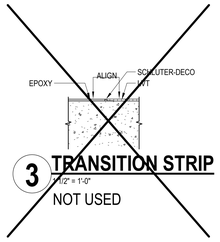
**CASEWORK:**

**PLAM-1**
MATERIAL: PLASTIC LAMINATE 1
MANUFACTURER: WILSONART
COLOR: NEWLANDS 8366K-17

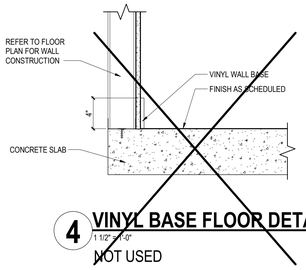
**PLAM-2**
MATERIAL: PLASTIC LAMINATE 2
MANUFACTURER: WILSONART
COLOR: PLATINUM D315-60

**PLAM-3**
MATERIAL: PLASTIC LAMINATE 2
MANUFACTURER: WILSONART
COLOR: FEATHER VELVET 1914

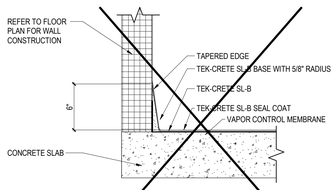
**SS-1**
MATERIAL: SOLID SURFACE 1
MANUFACTURER: CORIAN
COLOR: SILVER BIRCH



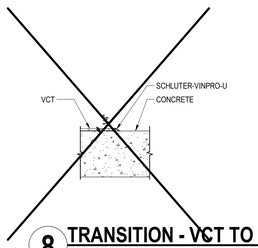

## 3 TRANSITION STRIP
1 1/2" = 1'-0"
NOT USED



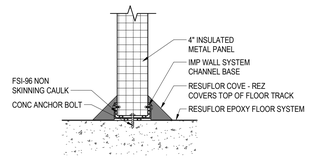

## 4 VINYL BASE FLOOR DETAIL AT STUD WALL
1 1/2" = 1'-0"
NOT USED



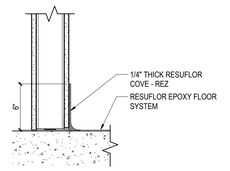

## 5 EPOXY COVE BASE DETAIL
1 1/2" = 1'-0"
NOT USED



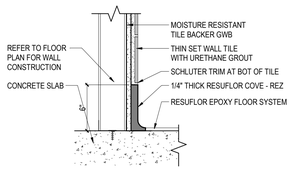

## 8 TRANSITION - VCT TO CONC
1 1/2" = 1'-0"
NOT USED




## 6 TYP METAL PANEL BASE DETAIL - EPOXY FLOOR & BASE
1 1/2" = 1'-0"




## 9 TYPICAL ROOMS W/ EPOXY FLOOR AT GWB WALLS DETAIL
1 1/2" = 1'-0"




## 7 TYPICAL ROOMS W/ EPOXY FLOOR & TILE WALLS
1 1/2" = 1'-0"


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REGISTERED ARCHITECT TIMOTHY MICHAEL TRAUTMAN 032281 STATE OF NEW YORK

4/30/2026
TRAUTMAN ASSOCIATES


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 WALDEN AVE
ALDEN, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** TA# 24003
**Sheet Title:** ROOM FINISH SCHEDULE AND DETAILS

**Sheet Number:** A602

## FIRE PROTECTION EQUIPMENT SCHEDULE

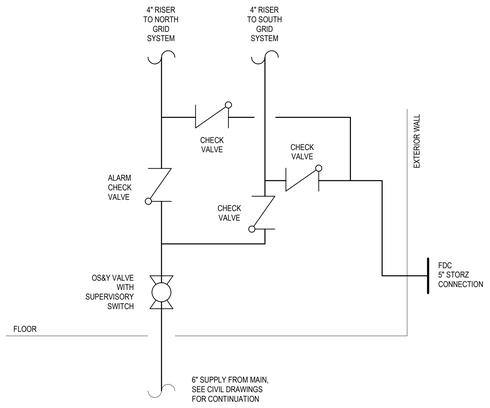
| TAG | DESCRIPTION | MANUFACTURER | MODEL | REMARKS/ACCESSORIES |
|---|---|---|---|---|
| ● | CONCEALED SPRINKLER HEAD | VIKING | VK492 | STANDARD COVERAGE, K5.6, CONCEALED |
| ○ | UPRIGHT SPRINKLER HEAD | VIKING | VK118 | STANDARD COVERAGE, K5.6 |
| ✱ | DRY SPRINKLER HEAD | VIKING | VK168 | STANDARD COVERAGE, DRY BARREL TYPE, K5.6 |

## FIRE PROTECTION SYMBOL LIST

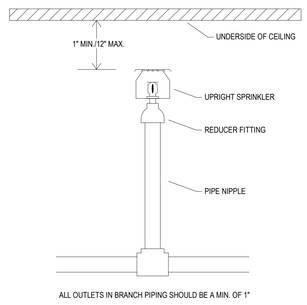
| | |
|---|---|
| FP | FIRE PROTECTION MAIN |
| S | SPRINKLER PIPING |
| FDC | FIRE DEPARTMENT CONNECTION |
| D | DRAIN PIPING |
| ● | CONCEALED SPRINKLER HEAD |
| ○ | UPRIGHT SPRINKLER HEAD |
| ✱ | DRY SPRINKLER HEAD |
| TS | SHUT-OFF VALVE WITH TAMPER SWITCH |
| FS | FLOW SWITCH |
| TS | TAMPER SWITCH |
| | TEST AND DRAIN VALVE |
| | PIPE RISER - ELBOW UP |
| | PIPE RISER - ELBOW DOWN |
| | DROP CONNECTION, RISE CONNECTION |
| | CAP OR PLUG |
| | PIPE CONTINUATION |
| | CHECK VALVE |
| | BACKFLOW PREVENTER |
| | DIRECTION OF FLOW |
| (E) | EXISTING |
| ITC | INSPECTORS TEST CONNECTION |
| | FIRE RISER WITH VALVING |

## FIRE PROTECTION GENERAL NOTES:

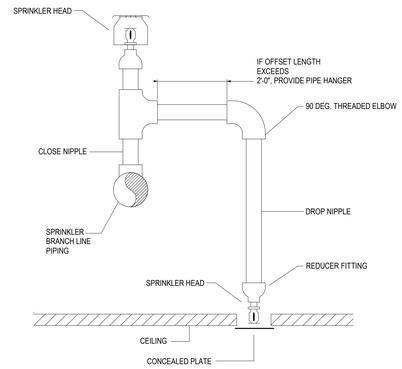
1. THESE NOTES ARE APPLICABLE TO THE FULL SET OF CONTRACT DOCUMENTS.
2. PROVIDE ALL WORK IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND OBTAIN ALL REQUIRED PERMITS. THE FIRE PROTECTION SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL CONFORM TO THE INSURANCE UNDERWRITER STANDARDS, MOST RECENT EDITION OF NFPA 13, NFPA 14, NFPA 20, NFPA 25, FIRE CODE AND BUILDING CODE. ALL CURRENT AMENDMENTS AND AUTHORITIES HAVING JURISDICTION. INCASE OF CONFLICTS WITH CODES, DRAWINGS OR SPECIFICATIONS, THE MOST STERN CODE COMPLIANCE SHALL PREVAIL.
3. THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THEY ARE DIAGRAMMATIC IN INTENT TO THE EXTENT THAT MANY OFFSETS, BONDS, UNIONS, SPECIFIC FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED.
4. SPRINKLER LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL WORK AND OTHER TRADES TO MEET THE REQUIREMENTS TO AVOID OBSTRUCTION TO SPRINKLER DISCHARGE IN ACCORDANCE WITH THE MOST RECENT EDITION OF NFPA 13, CHAPTER 8.
5. BLACK STEEL PIPE SIZES 2" AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL PIPE, SIZES 2-1/2" AND LARGER SHALL BE SCHEDULE 10.
6. THE FIRE SPRINKLER CONTRACTOR SHALL HYDRAULICALLY CALCULATE ALL SPRINKLER SYSTEMS SHOWN ON THESE DOCUMENTS. PROVIDE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS WITH ALL INFORMATION NOTED BY THE MOST RECENT EDITION OF NFPA 13. OBTAIN WATER FLOW TEST DATA, NOT GREATER THAN 12 MONTHS OLD AS REQUIRED TO MAKE CALCULATIONS COMPLETE.
7. FOR ALL AREAS WITH LAY-IN CEILINGS, PROVIDE SPRINKLERS IN THE CENTER OF CEILING TILES. REFER TO ARCHITECTURAL PLAN FOR CEILING GRID LAYOUT AND CEILING HEIGHTS.
8. NOTE THAT SPRINKLER HEADS, IF SHOWN ARE FOR REFERENCE ONLY AND THE FIRE PROTECTION CONTRACTOR SHALL DESIGN THE ENTIRE FIRE PROTECTION SYSTEM PER THE MOST RECENT VERSION OF NFPA 13, INCLUDING ALL HEAD LOCATIONS, BRANCH PIPING, MAIN RUNS AND ASSOCIATED PIPE SIZES. HEAD LOCATIONS BY FIRE SPRINKLER CONTRACTOR MAY BE DIFFERENT THAN SHOWN HEREIN.
9. HYDROSTATICALLY TEST ALL PIPING PER NFPA-13 (200 PSIG MINIMUM FOR 2 HOURS). REPAIR LEAKS AND RE-TEST AS NECESSARY. CONTRACTOR MATERIAL AND TEST CERTIFICATES SHALL BE PROVIDED TO THE OWNER PRIOR TO ENERGIZING THE SYSTEM.
10. PROVIDE SPRINKLER HEAD GUARDS ON ALL EXPOSED SPRINKLER HEADS IN MECHANICAL ROOMS, ELEVATOR SHAFTS AND STAIRWELLS.
11. BUILDING TO BE SPRINKLERED PER NFPA 13 FOR ORDINARY HAZARD 2.




### 3 BUILDING SPRINKLER SERVICE ENTRANCE DETAIL
NOT TO SCALE




### 2 UPRIGHT SPRINKLER DETAIL
NOT TO SCALE




### 1 SPRINKLER PIPING RETURN BEND DETAIL
NOT TO SCALE


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JOHN F. DALY
NO. 087221
LICENSED PROFESSIONAL ENGINEER


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**Client:** 11580 WALDEN AVE LLC

**Project:** ALDEN GREEN HOUSE

**Project Address:** 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** FIRE PROTECTION NOTES, SCHEDULE, LEGEND AND DETAILS

**Sheet Number:** F001




## 1 OVERALL FIRST FLOOR FIRE PROTECTION PLAN

1/16" = 1'-0"


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NY 14004

**Drawing History:**

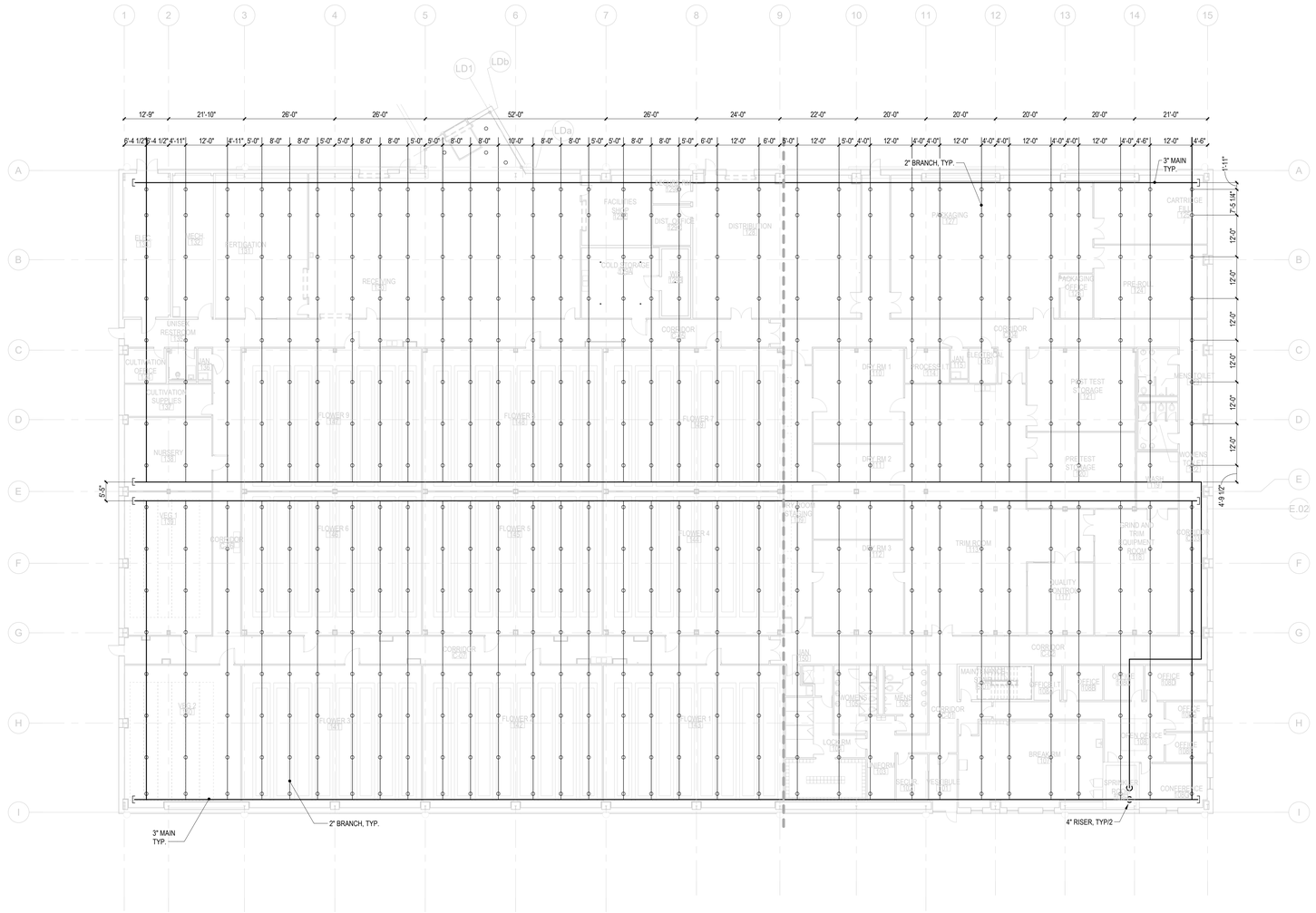
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025

**Project Number:** 24003

**Sheet Title:** OVERALL FIRST FLOOR FIRE PROTECTION PLAN

**Sheet Number:** F101




## 1 OVERALL ATTIC SPACE/UPRIGHT FIRE PROTECTION PLAN

1/16" = 1'-0"


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**Client:** 11580 WALDEN AVE LLC

**Project:** ALDEN GREEN HOUSE

**Project Address:** 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL ATTIC SPACE/UPRIGHT FIRE PROTECTION PLAN

**Sheet Number:** F102

## VALVE SCHEDULE

| VALVE | SERVICE | TYPE | NOTES |
|---|---|---|---|
| BV-1 | HOT WATER RETURN BALANCING VALVE | B&G CIRCUIT SOLVER | SYSTEM TO BE BALANCED POST INSTALL |
| BV-2 | TEMPERED HOT WATER RETURN BALANCING VALVE | B&G CIRCUIT SOLVER | SYSTEM TO BE BALANCED POST INSTALL |
| MV-1 | HOT WATER MIXING VALVE | MASTER MIXING VALVE ASSE APPROVED | LEONARD VALVE |
| NOTES: | | | |

## INSULATION SCHEDULE

| SERVICE | PIPE SIZE | |
|---|---|---|
| -- | < 1-1/2" | > 1-1/2" |
| DOMESTIC COLD WATER | 1" | 1-1/2" |
| DOMESTIC HOT WATER (S/R) | 1" | 2" |
| NOTES: S/R = SUPPLY & RETURN | | |

## PIPE SCHEDULE ABOVE SLAB

| SERVICE | MATERIAL |
|---|---|
| SANITARY / VENT | DWV PVC |
| DOMESTIC WATER | 2" AND GREATER - SCH. 80 CPVC, LESS THAN 2" - PEX-A |

## PUMP SCHEDULE

| UNIT TAG | | PR-1A | PR-1B |
|---|---|---|---|
| SYSTEM | | TEMPERED WATER RECIRC. | HOT WATER RECIRC. |
| LOCATION | | MECH ROOM | MECH ROOM |
| PUMP | GPM | 2 | 2 |
| | HEAD | 22 | 18 |
| | STYLE | INLINE | INLINE |
| CONNECTIONS | SUCTION | -- | -- |
| | DISCHARGE | -- | -- |
| MOTOR | HP | 1/3 | 1/8 |
| | RPM | 3300 | 2950 |
| | ELECTRICAL | 115V | 115V |
| | FLA | 2.3 | 1.10 |
| | MOTOR STARTER | NA | NA |
| | EFFICIENCY | PREMIUM | PREMIUM |
| MAKE | | BELL AND GOSSET | BELL AND GOSSET |
| MODEL | | NBF-36 | NBF-25 |
| KEY NOTE | | | |
| NOTES | | | |

## PLUMBING FIXTURE SCHEDULE

| TAG | -- | FIXTURE | MATERIAL | TYPE | OPERATOR/ FITTING | CARRIER | DCW | DHW-140 DEG F | DHW-110 DEG F | WASTE | VENT | NOTES & ACCESSORIES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LAV-1 | DESCRIPTION | LAVATORY | VITREOUS CHINA | WALL HUNG | DECK MOUNT. HARD WIRED | BLOCKING | 1/2" | NA | 1/2" | 1-1/4" | 1-1/4" | PROVIDE QUATER TURN (BRASSCRAFT COMPRESSION) ANGLE STOPS, SINK SUPPLY HOSE CONNECTION, AND 1-1/4" x 1-1/4" P TRAP (MCGUIRE "MCT125 SERIES." COORDINATE INSTALL WITH ELECTRICAL CONTRACTOR. PROVIDE ANY ADDITIONAL ACCESSORIES INCLUDING LOW VOLTAGE WIRING AND TRANSFORMERS. |
| | MANUFACTURER | AMERICAN STANDARD | -- | MODEL 9024.004EC | SLOAN SF-2300 | -- | -- | -- | -- | -- | -- | |
| UR-1 | DESCRIPTION | URINAL | VITREOUS CHINA | WALL MOUNT, WASHDOWN, TOP SPUD | SENSOR, HARD WIRED, FLUSH VALVE | WATTS CARRIER | 3/4" | NA | NA | 2" | 1-1/2" | COORDINATE INSTALL WITH ELECTRICAL CONTRACTOR. PROVIDE ANY ADDITIONAL ACCESSORIES INCLUDING LOW VOLTAGE WIRING AND TRANSFORMERS. |
| | MANUFACTURER | AMERICAN STANDARD | -- | WASHBROOK TOP SPUD URINAL | SLOAN REGAL 186 ESS, 0.5GPH | -- | -- | -- | -- | -- | -- | |
| WC-1 | DESCRIPTION | WATER CLOSET | VITREOUS CHINA | WALL MOUNT, FLUSH VALVE, HARD WIRED,... | SENSOR, HARD WIRED, FLUSH VALVE | WATTS ADJUSTABLE | 1" | NA | NA | 4" | 2" | PROVIDE OPEN FRONT, ELONGATED WHITE TOILET SEAT. COORDIANTE INSTALL WITH ELECTRICAL CONTRACTOR. PROVIDE ANY ADDITONAL ACCESSORIES INCLDUNG LOW VOLTAGE WIRING AND TRANSFORMERS. |
| | MANUFACTURER | AMERICAN STANDARD | -- | MODEL 3351.101 | SLOAN REGAL 111 ESS-1.6-XL-HW | -- | -- | -- | -- | -- | -- | |
| WC-2 | DESCRIPTION | WATER CLOSET | VITREOUS CHINA | FLOOR MOUNT, FLUSH VALVE, HARD WIRED,... | SENSOR, HARD WIRED, FLUSH VALVE | NA | 1" | NA | NA | 4" | 2" | PROVIDE OPEN FRONT, ELONGATED WHITE TOILET SEAT, COORDINATE INSTALL WITH ELECTRICAL CONTRACTOR. PROVIDE ANY ADDITIONAL ACCESSORIES INCLUDING LOW VOLTAGE WIRING AND TRANSFORMERS. |
| | MANUFACTURER | AMERICAN STANDARD | -- | MODEL 3043.001 | SLOAN REGAL 111 ESS-1.6-XL-HW | -- | -- | -- | -- | -- | -- | |
| SHWR-1 | DESCRIPTION | SHOWER | GELCOAT/FIBERGLASS | ADA COMPLIANT, MULTI-PIECE ROLL-IN | 1.50 GPM, SINGLE HANDLE W/ ADA WAND | NA | 1/2" | NA | 1/2" | 2" | 1-1/2" | PROVIDE WITH ALL OPTIONAL ACCESSORIES. SEE MANUFACTURER INSTRUCTION FOR ALL TO BE PROVIDED. REFER TO ARCHITECTURAL FOR ADA REQUIREMENTS. |
| | MANUFACTURER | BESTBATH | -- | 4LSS26337A75FTB.V3 | BRADLEY 1C SHOWER SYSTEM | -- | -- | -- | -- | -- | -- | |
| SNK-1 | DESCRIPTION | SINK | 18 GA. STAINLESS STEEL | DROP IN | DECK MOUNT, SINGLE HOLE | NA | 1/2" | NA | 1/2" | 1-1/2" | 1-1/2" | PROVIDE QUATER TURN (BRASSCRAFT COMPRESSION) ANGLE STOPS, SINK SUPPLY HOSE CONNECTION, AND 1-1/2" x 1-1/2" P TRAP (MCGUIRE "MCT150 SERIES." |
| | MANUFACTURER | ELKAY | -- | MODEL DSESR127222 | ELKAY MODEL LK1410 | -- | -- | -- | -- | -- | -- | |
| SNK-2 | DESCRIPTION | 2 COMPARTMENT SINK | 16 GA. STAINLESS STEEL | COMMERCIAL SINK WITH GALVANIZED LEGS AND TWO DRAINBOARDS | WALL MOUNTED PRE-RINSE, 8" CENTERS | NA | 3/4" | 3/4" | NA | 2" | 1-1/2" | PROVIDE EACH COMPARTMENT WITH A DRAIN VALVE. DRAIN PIPING TO TERMINATE WITH AN AIR GAP TO A FLOOR SINK (FS-1). PROVIDE QUARTER TURN (BRASSCRAFT COMPRESSION) ANGLE STOPS AND SINK SUPPLY HOSE. |
| | MANUFACTURER | REGENCY | -- | #600S217172G | #600PRW812 | -- | -- | -- | -- | -- | -- | |
| SNK-3 | DESCRIPTION | HAND SINK | STAINLESS STEEL | WALL HUNG | SPLASH MOUNT, GOOSE NECK FAUCET INCLUDED... | BLOCKING | 1/2" | -- | 1/2" | 1-1/4" | 1-1/4" | DRAIN PIPING TO TERMINATE WITH AN AIR GAP TO FLOOR SINK (FS-1). INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE QUARTER TURN (BRASSCRAFT COMPRESSION) ANGLE STOPS AND SINK SUPPLY HOSE |
| | MANUFACTURER | ELKAY | -- | MODEL EHS-18-SSX | -- | -- | -- | -- | -- | -- | -- | |
| MS-1 | DESCRIPTION | MOP SINK | MOLDED STONE | MOP SERVICE BASIN | FAUCET (830AA) | NA | 3/4" | 3/4" | NA | 1-1/2" | 1-1/2" | MOP BASIN AND ALL ACCESSORIES TO BE PROVIDED BY THE SAME MANUFACTURER; WALL GUARD AND HOSE/BRACKET. |
| | MANUFACTURER | FIAT | -- | MODEL MSB3624 | -- | -- | -- | -- | -- | -- | -- | |
| MS-2 | DESCRIPTION | MOP SINK | MOLDED STONE | MOP SERVICE BASIN | MANUAL SINK FAUCET, CHICAGO FAUCETS | NA | 3/4" | 3/4" | NA | 1-1/2" | 1-1/2" | MOP BASIN, WALL GUARD AND HOSE/BRACKET TO BE PROVIDED BY THE SAME MANUFACTURER. |
| | MANUFACTURER | FIAT | -- | MODEL MSB3624 | 835-CP | -- | -- | -- | -- | -- | -- | |
| DF/BF-1 | DESCRIPTION | HI-LO DRINKING FOUNTAIN/BOTTLE FILLER | STAINLESS STEEL | WALL MOUNT | NA | BY MANUF. | 3/8" | NA | NA | 1-1/2" | -- | BI-LEVEL FOR ADA COMPLIANCE. INSTALL PER MANUFACTIRER'S REQUIREMENTS. |
| | MANUFACTURER | ELKAY | -- | MODEL EZSTL8WSSK | -- | -- | -- | -- | -- | -- | -- | |
| HB-1 | DESCRIPTION | HOSE BIBB | BRASS | ANTI-SIPHON WALL... | NA | | 3/4" | -- | -- | -- | -- | BRASS HOSE THREADED SPOUT WITH MANUAL CLOSING LEVER HANDLE. MAX PRESSURE 125 PSI. INSTALL PER MANUFACTURER'S REQUIREMENTS. |
| | MANUFACTURER | WOODFORD | -- | MODEL 101 | -- | | -- | -- | -- | -- | -- | |
| EW-1 | DESCRIPTION | EMERGENCY EYE WASH/SHOWER | VARIES | FLOOR MOUNTED | -- | -- | NA | 3/4" | 3/4" | -- | 1-1/4" | -- | PROVIDE 'WATTS ETV200' EMERGENCY MIXING VALVE. INSTALL PER MANUFACTURER'S REQUIREMENTS. |
| | MANUFACTURER | GUARDIAN | -- | G1909BC | -- | -- | -- | -- | -- | -- | -- | |
| NOTES: | | | | | | | | | | | | |

## WATER HEATER SCHEDULE

| UNIT TAG | MANUFACTURER | MODEL | STORAGE CAPACITY | INLET TEMPERTURE | OUTLET TEMPERTURE | INPUT | CONNECTION | DIMENSIONS | KEY NOTES |
|---|---|---|---|---|---|---|---|---|---|
| DWH-1A&B | AO SMITH | BTH 100(A) | 60 GALLON | 48 DEG. F | 140 DEG. F. | 100,000 BTU/HR | 1-1/2" CW, 1-1/2" HW, 3/4" GAS | 55 1/2" TALL, 27 3/4" Ø | 1 |
| NOTES: | | | | | | | | | |
| 1. REFERENCE DETAIL 2, SHEET P502 FOR PIPING INFORMATION. | | | | | | | | | |

## PLUMBING SYMBOLS / ABBREVIATIONS LEGEND:

| | | | |
|---|---|---|---|
| NEW PIPING | | VIR | VALVE IN RISER |
| DEMOLITION | | | RISER DOWN (ELBOW) |
| EXISTING TO REMAIN | | | RISER UP (ELBOW) |
| V | VENT | | RISE OR DROP |
| ST | STORM / RAINWATER DRAIN | | BRANCH - TOP CONNECTION |
| SS | SOIL, WASTE, OR SANITARY SEWER (SAN) | | BRANCH - BOTTOM CONNECTION |
| G | NATURAL GAS | | BRANCH - SIDE CONNECTION |
| EST | EMERGENCY (SECONDARY) STORM DRAIN | | CAP ON END OF PIPE |
| CD | CONDENSATE DRAIN (COND) | | TRAP |
| | DOMESTIC COLD WATER (DCW) | FD | FLOOR DRAIN |
| | DOMESTIC HOT WATER (DHW) | RD | ROOF DRAIN |
| | RECIRCULATING DOMESTIC HOT WATER (DHWR) | | SHUTOFF VALVE |
| | | | EXISTING FIXTURE TO REMAIN |
| CO | CLEANOUT PLUG | | FIXTURE TO BE PROVIDED |
| FCO | FLOOR CLEANOUT | | FIXTURE TO BE REMOVED |
| WCO | WALL CLEANOUT | EQPT | EQUIPMENT |
| | STRAINER | ETR | EXISTING TO REMAIN |
| | PUMP | MECH | MECHANICAL |
| WHA | WATER HAMMER ARRESTER (SIZE INDICATED) | PSAN | PROCESS SANITARY |
| | HOSE BIBB (HB) OR WALL HYDRANT (WH) | TYP. | TYPICAL |
| | GAS COCK, GAS STOP | VTR | VENT THROUGH ROOF |
| | BALANCING VALVE | | POINT OF CONNECTION TO EXISTING |
| | SOLENOID OPERATED VALVE | | |
| | BACKFLOW PREVENTER RPZ = REDUCE PRESSURE ZONE TYPE | | |
| | CHECK VALVE | | |

## GENERAL PLUMBING NOTES:

1. WHERE PIPING, FIXTURE, OR EQUIPMENT IS INDICATED TO BE PROVIDED, PROVIDE FIXTURE, PIPING, AND AL ASSOCIATED ACCESSORIES, INCLUDING SUPPLY FITTINGS, FAUCET, TRAP, SUPPORTS, HANGERS, INSULATION, ETC. EXTEND PIPING ACCORDING TO DRAWINGS AND AS NECESSARY TO CONNECT FIXTURES AND EQUIPMENT. SEE SCHEDULES AND SPECIFICATIONS FOR DETAILS.
2. COORDINATE INSTALLATION WITH ALL OTHER TRADES, INCLUDING OTHER PIPING, DUCTWORK, GRILLES, LIGHTS, ETC, AS WELL AS THE EXISTING STRUCTURE. CEILING SPACE IS VERY LIMITED AND INSTALLATION BE CAREFULLY COORDINATED. COORDINATE PIPING INSTALLATION IN CHASES WITH ALL OTHER CONTRACTORS.
3. COORDINATE ALL FLOOR PENETRATIONS WITH THE GENERAL CONTRACTOR.
4. INSTALL ALL MATERIALS AND EQUIPMENT ACCORDING TO MANUFACTURES INSTRUCTIONS AND RECOMMENDATIONS AND ACCORDING TO CODE.
5. ALL PIPING, EQUIPMENT, AND ALL ACCESSORIES IN ALL AREAS, ARE TO BE INSTALLED TIGHT TO THE STRUCTURE TO ALLOW THE GREATEST FLOOR TO CEILING CLARENCE POSSIBLE. VERIFY EXACT ROUTING IN FIELD.
6. PROVIDE FIRESTOPPING AT ALL PIPE PENETRATIONS THROUGH ALL FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATINGS.
7. LABEL ALL PIPING, VALVES, EQUIPMENT, SPECIALTIES, ETC. ACCORDING TO CODE AND TO SPECIFICATIONS.
8. INSULATE ALL PIPING ACCORDING TO NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND TO SPECIFICATIONS.
9. PROVIDE ALL TESTING AND ADJUSTING ACCORDING TO CODE AND TO SPECIFICATIONS.
10. ALL VALVES OR OTHER EQUIPMENT REQUIRING FUTURE SERVICE/MAINTENANCE ARE TO BE LOCATED IN ACCESSIBLE AREA. PROVIDE LOCKABLE ACCESS DOORS WHERE REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
11. ALL PLUMBING WORK MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ALL AUTHORITIES HAVING JURISDICTION.
12. REFER TO STRUCTURAL DETAIL 3 ON S102 FOR TYPICAL OPENING REINFORCEMENT AT EXISTING CONCRETE JOIST AND DETAIL 3 ON S503 FOR TYPICAL REINFORCEMENT FOR OPENING IN EXISTING SLAB. COORDINATE PIPE PENETRATIONS WITH ALL OTHER TRADES PRIOR TO FLOOR CUTTING. AVOID CUTTING EXISTING CONCRETE JOISTS.


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**Project:** ALDEN GREEN HOUSE

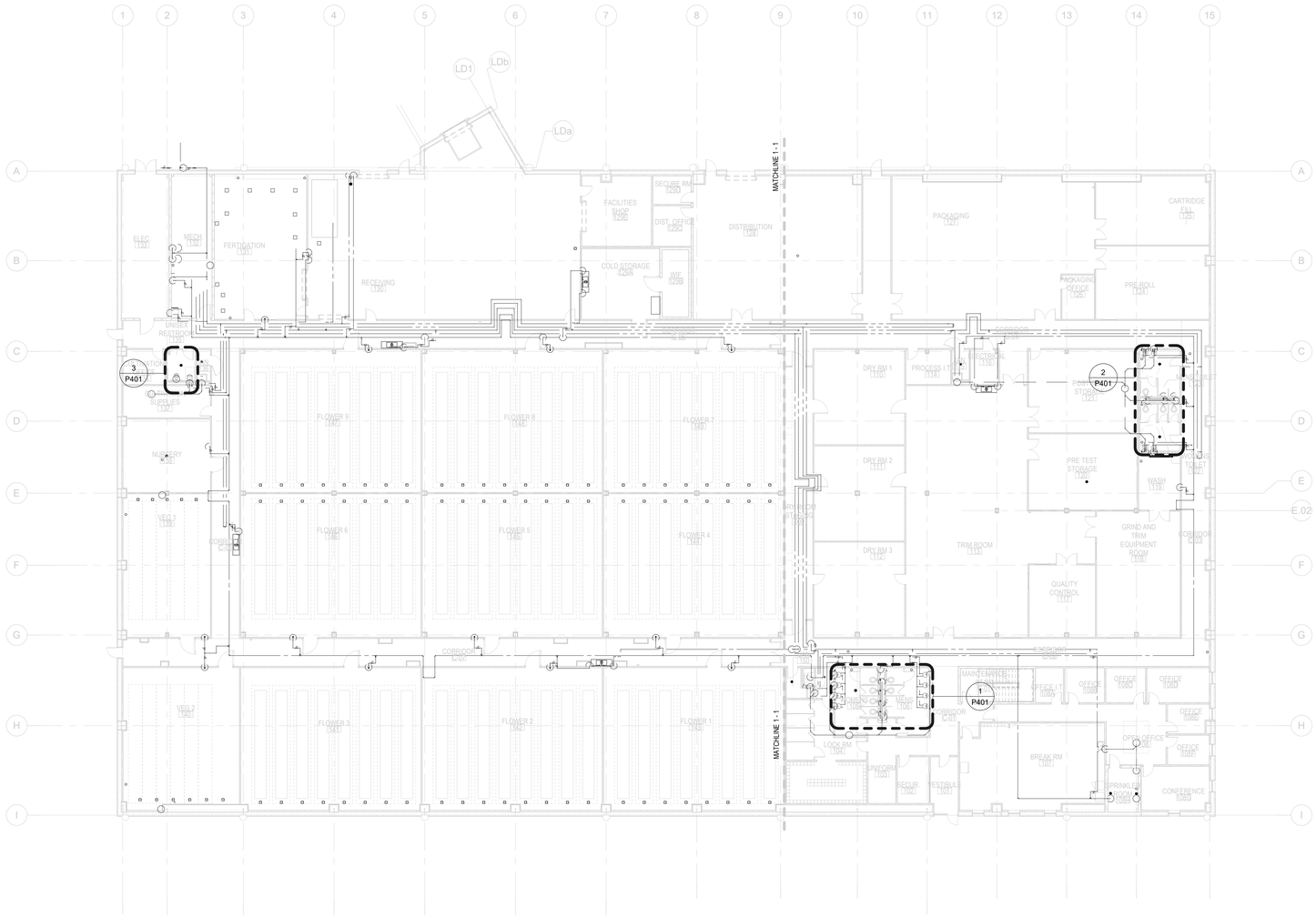
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**Date:** 11/26/2025
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**Sheet Title:** PLUMBING NOTES AND SCHEDULES

**Sheet Number:** P002




## 1 OVERALL FIRST FLOOR PLUMBING PLAN

1/16" = 1'-0"


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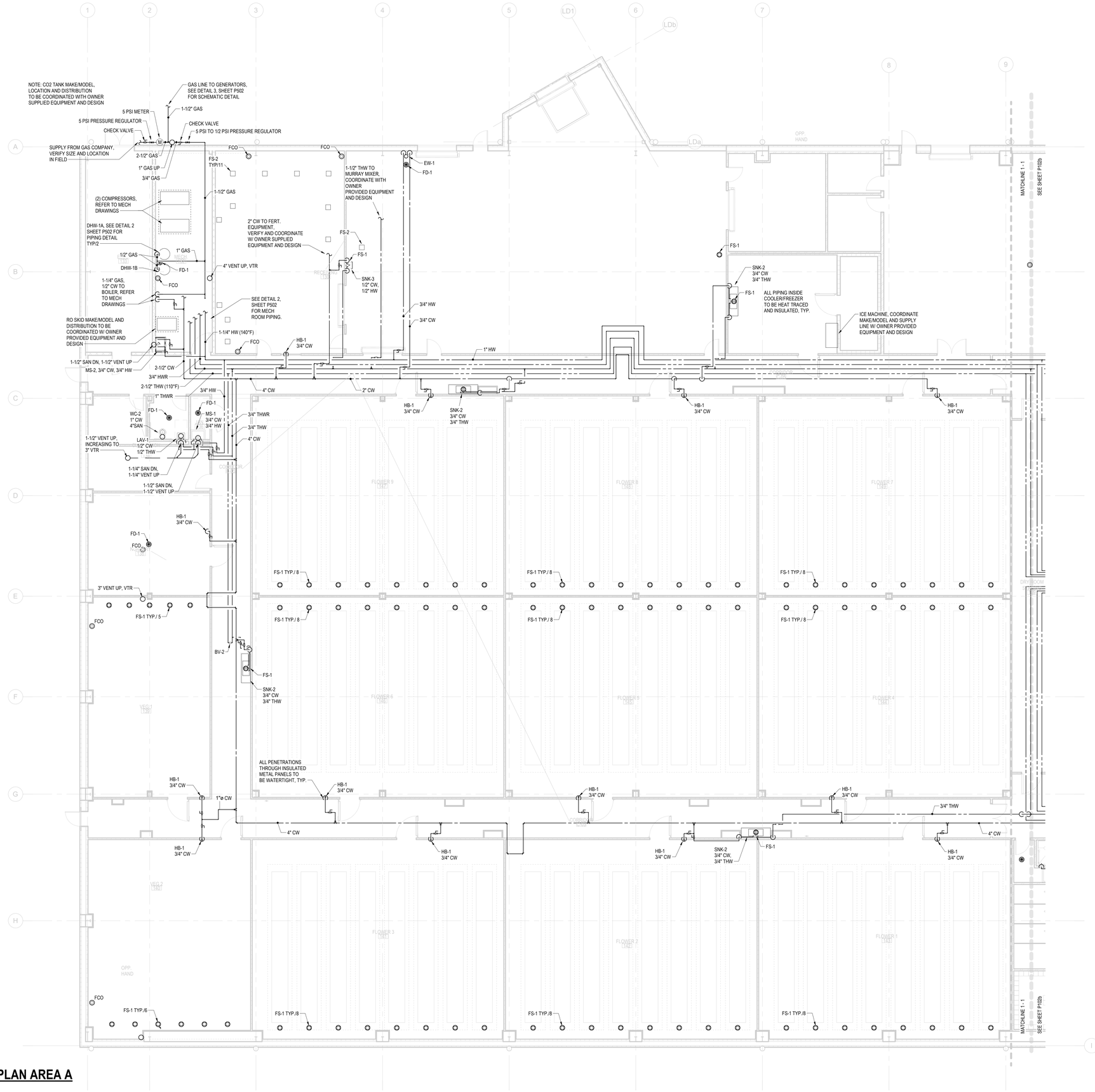
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**Sheet Number:** P102




## 1 PARTIAL FIRST FLOOR PLUMBING PLAN AREA A

1/8" = 1'-0"


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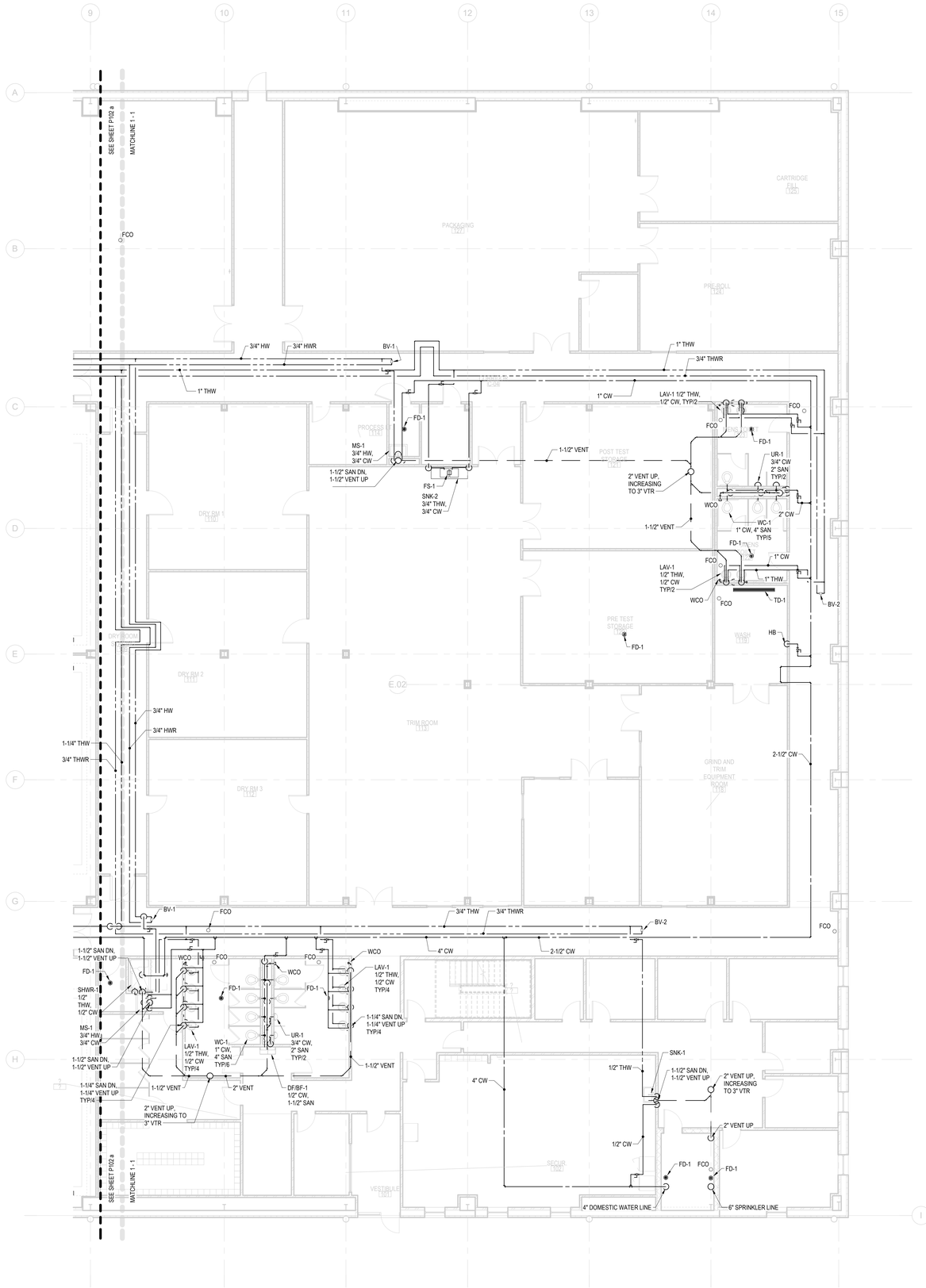
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**Sheet Number:** P102a




## 1 PARTIAL FIRST FLOOR PLUMBING PLAN AREA B

1/8" = 1'-0"


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**Project:** ALDEN GREEN HOUSE

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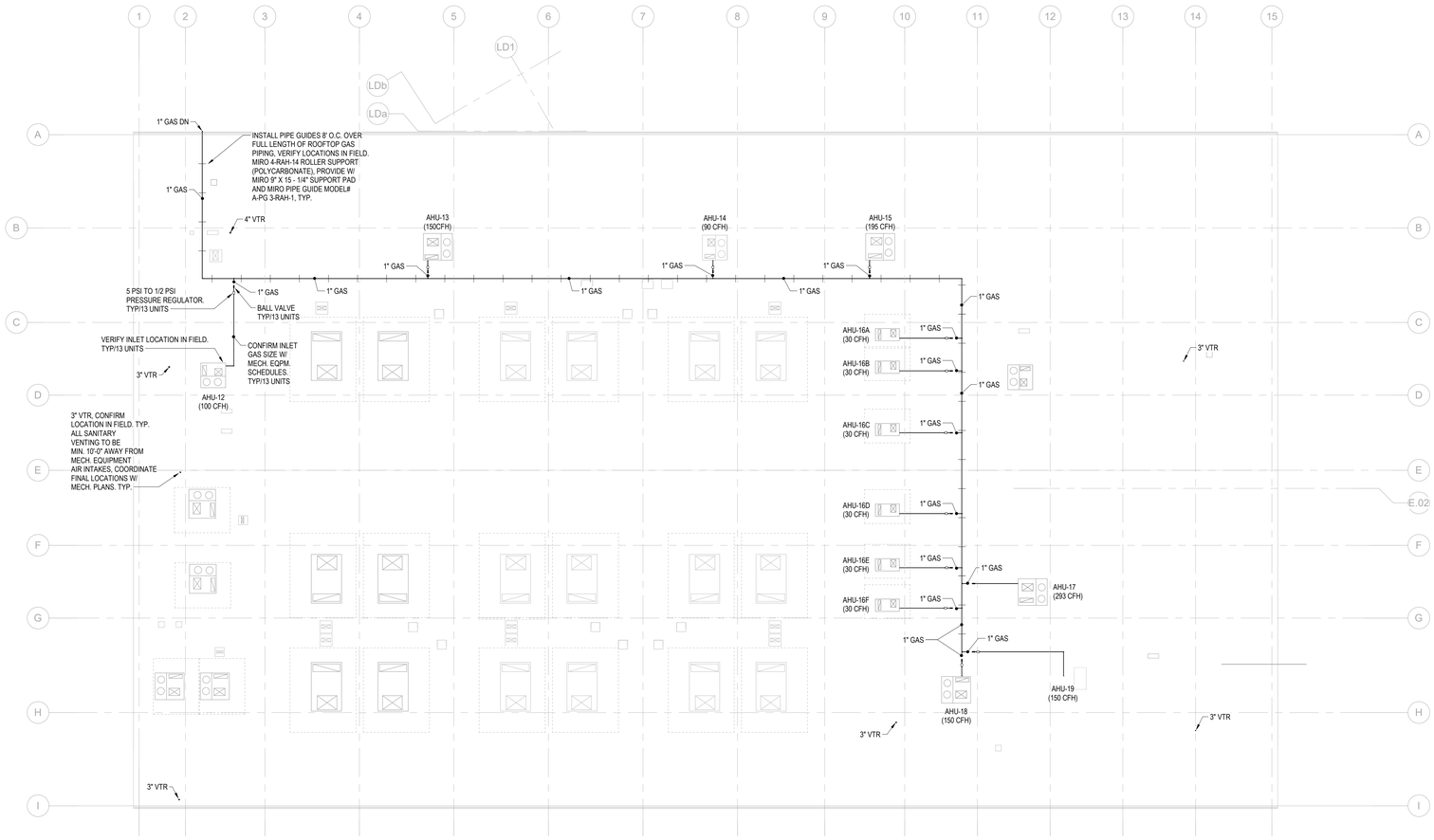
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**Date:** 11/26/2025

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**Sheet Title:** PARTIAL FIRST FLOOR PLUMBING PLAN AREA B

**Sheet Number:** P102b




## 1 OVERALL PLUMBING ROOF PLAN

1/16" = 1'-0"


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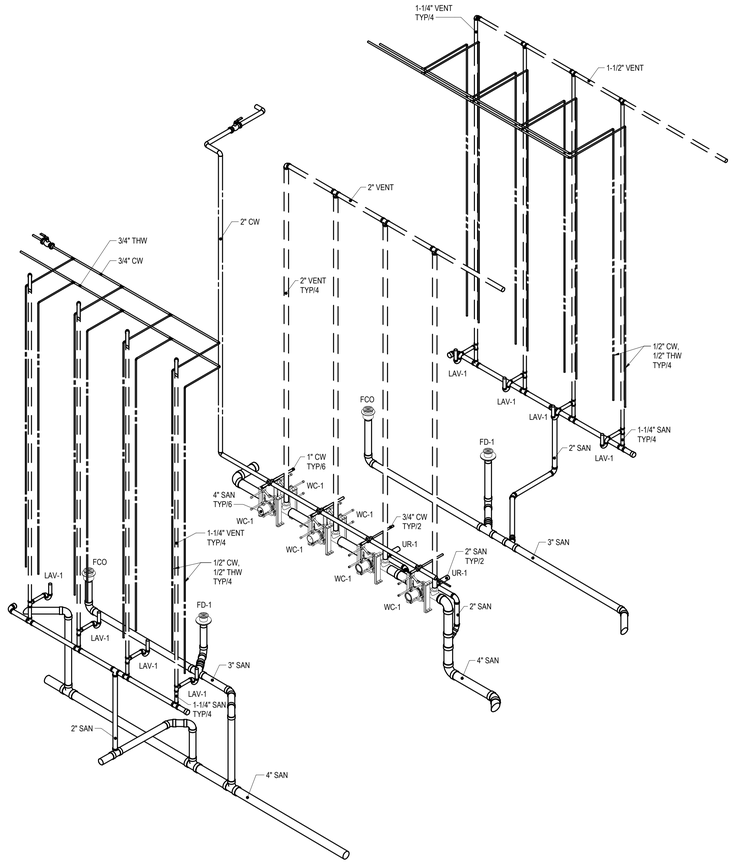
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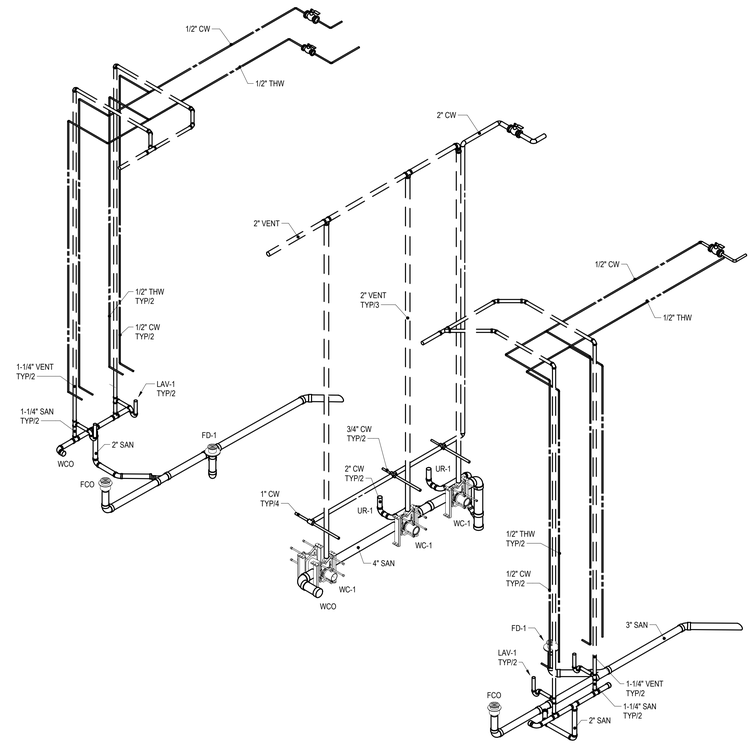
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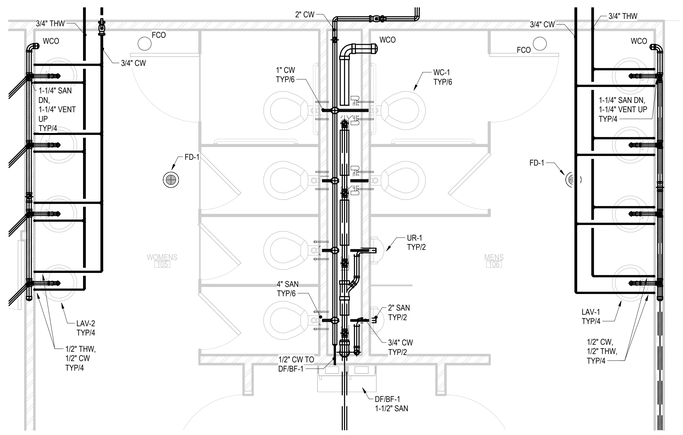
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## 4 SOUTH BATHROOMS ISOMETRIC

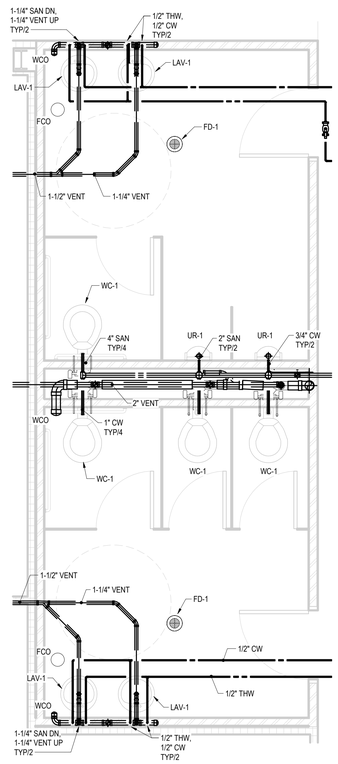



## 5 EAST BATHROOMS ISOMETRIC



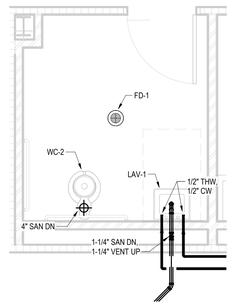

## 1 SOUTH BATHROOMS DETAIL

3/8" = 1'-0"
REFERENCED FROM SHEET: P102



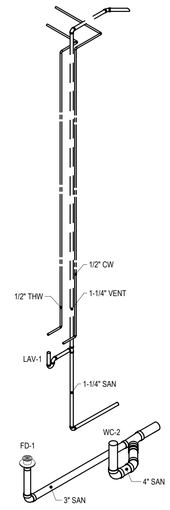

## 2 EAST BATHROOMS DETAIL

3/8" = 1'-0"
REFERENCED FROM SHEET: P102




## 3 WEST BATHROOM DETAIL

3/8" = 1'-0"
REFERENCED FROM SHEET: P102




## 6 WEST BATHROOM ISOMETRIC

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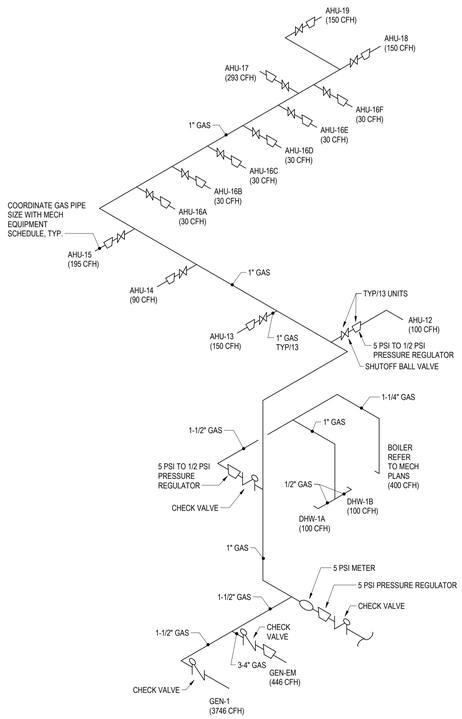
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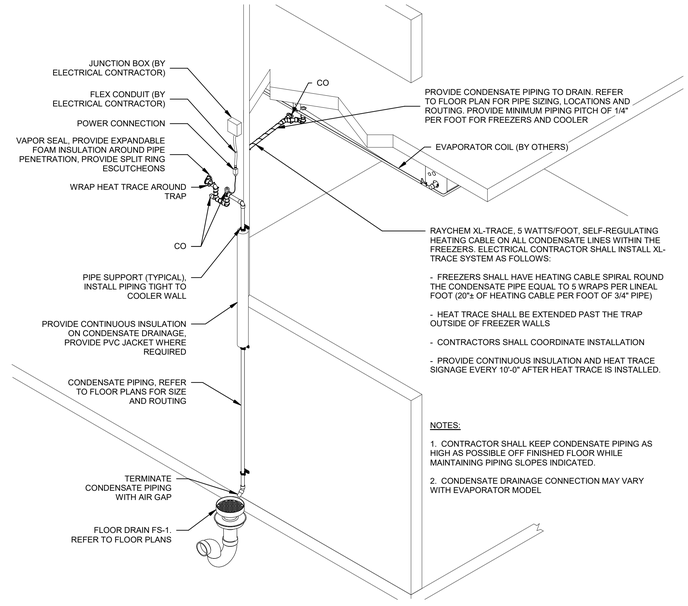
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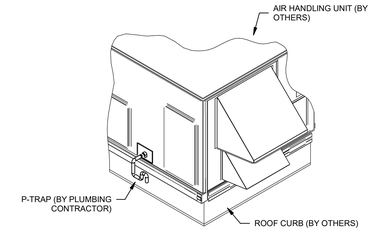
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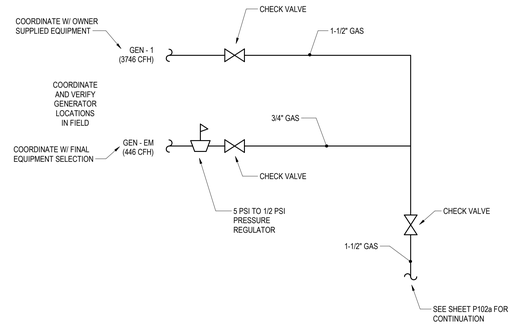

## 7 BUILDING GAS SCHEMATIC
NOT TO SCALE



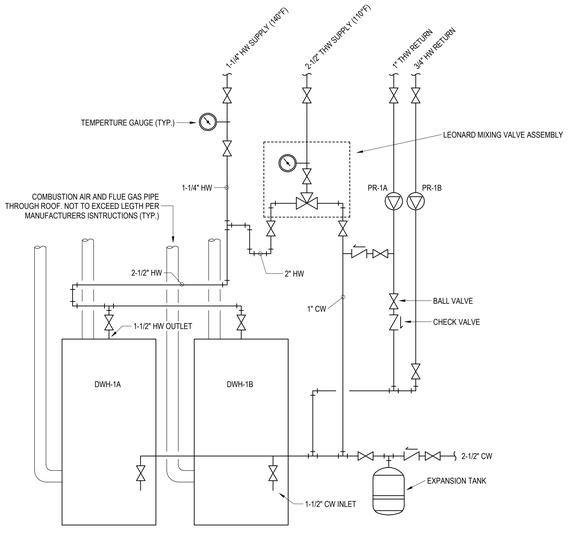

## 6 COOLER PIPING DETAIL
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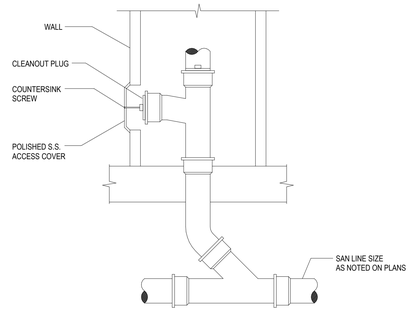

## 5 AHU CONDENSATE DETAIL
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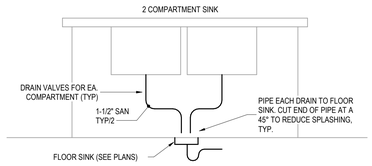

## 3 GENERATOR GAS PIPING SCHEMATIC
NOT TO SCALE




## 2 WATER HEATER DETAIL
NOT TO SCALE




## 1 WALL CLEANOUT
NOT TO SCALE




## 4 TWO COMPARTMENT SINK DETAIL
NOT TO SCALE


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**Client:** 11580 WALDEN AVE LLC

**Project:** ALDEN GREEN HOUSE

**Project Address:** 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PLUMBING DETAILS

**Sheet Number:** P502

P:\11580 Walden Ave LLC\24003 Alden Green House\Drawings\Mech\24003_Alden Green House_MECH_TAN.rvt

ALDEN GREENHOUSE RESPONSIBILITY MATRIX

| | Owner | | General Contractor (GC)* | | Designer | Plumbing (PC)* | HVAC (MC*) | Electrical (EC)* | Controls (COC)* | Notes: |
|---|---|---|---|---|---|---|---|---|---|---|
| Item | Furnish | Install | Furnish | Install | | | | | | |
| Floor Tile/Floor Finishes | | | X | X | Owner+GC | | | | | |
| Wall Tile & Finishes | | | X | X | Owner+GC | | | | | |
| Ceiling Finishes | | | X | X | Owner+GC | | | | | |
| Primary Lighting i.e. Standard Lights | | | X | X | Owner+GC | | | X | X | |
| Millwork | | | X | X | | | | | | |
| Bathroom Fixtures | | | X | X | | X | | | | |
| Lockers | | | X | X | | | | | | |
| Fire Suppression/Alarm | | | X | X | | | | X | X | |
| Alarm/Security Cameras | X | | | X | Owner+GC | | | X | X | |
| Signage | | | X | X | | | | | | |
| Grow Room Emergency Lighting | | | X | X | | | | X | X | |
| BMS Controls for Plants and Processing | X | X (Borlaug) | | | | | | | X | |
| Cultivation Hallway/Corridor Green Lighting | | | | | | | | X | X | |
| Grow Room Equipment | X | | | X | Owner | | X | X | X | |
| Grow Room Task Lighting | | | X | X | Owner | | | X | X | |
| Grow Room Plant Lighting | X | | | X | Owner | | | X | X | |
| Grow Tables/Racking | X | | | X | Owner | | | | | |
| Cloner Room Grow Equipment | X | | | X | Owner | | X | X | X | |
| Cloner Room Racking | X | | | X | Owner | | | | | |
| Mother Room Grow Equipment | X | | | X | Owner | | X | X | X | |
| Industrial Pallet Racking | | | X | X | | | | | | |
| Humidifiers (Smartfog) | X | | | X | | | X | X | X | |
| Mobile Dehumidifiers (Drygair) | X | X | | | Owner | | X | X | X | |
| Grow HVAC | X | | | X | Owner | | X | X | X | |
| Lighting Unistrut Support | | | X | X | Owner | | | X | | |
| Grow Room Hosebibbs | | | X | X | Owner | X | | | | |
| Irrigation Systems (Netafim) | X | | | X | Owner | X | X | | | |
| Irrigation Tanks | X | | | X | Owner | X | X | | | |
| Dry Room Dehumidifiers | X | | | X | Owner | | X | X | X | |
| Dry Room Mobile Racking | X | | | X | Owner | | | | | |
| Stainless Steel Sinks | | | X | X | | X | | | | |
| Stainless Steel Tables | X | | | X | | | | | | |
| Process Testing Equipment | X | | | X | Owner | | X | X | X | |
| Refrigerator | | | X | X | | X | X | X | | |
| Dishwasher | | | X | X | | X | X | X | | |
| CO2 Delivery System | X (Airgas) | | | X | Owner | X | X | | X | |
| Odor Mitigation Equipment | | | X | X | Owner | | X | X | X | |
| Trimming/Bucking Equipment | X | | | X | Owner | | X | X | X | |
| Packaging Equipment | X | | | X | Owner | | X | X | X | |
| Forklift/Charging Station | | | X | X | | | | | | |
| Printing/Labeling Equipment | X | | | X | | | | | | |
| Millwork Employee Cubbies | | | X | X | | | | | | |
| Fertilizer Mixing Equipment (Murray) | X | | | X | Owner | | X | X | X | |
| Furniture | X | | | X | | | | | | |
| Insulated Metal Panels (IMP) | | | X | X | | | | | | |
| General HVAC | | | X | X | | | X | X | X | |
| IT Servers/Equipment | X | | | X | | | | X | X | |
| CO2 Life Safety System | X (Airgas) | | | X | Owner+GC | | | X | X | |
| Fertilier Mixer Distribution Manifold | | | X | X | | X | X | | | |

* The Plumbing (PC), HVAC (MC), Electrical (EC), and Controls (COC) subcontractors afre all engaged by the Contractor (GC). The responsibility Matrix provides a suggested method of assinging responsibility for all the various tasks associated the Alden Greenhouse; however it is
the contractors (GC) responsibility to assign tasks to its subcontrators.

**VENTILATION SUMMARY** (Per 2020 IMC)

Project : ALDEN GREEN HOUSE

Job no. : 24003

By : TAN

File name : VENTSUM-25031

Date : 11/18/2025

| ROOM NUMBER | ROOM NAME | AREA | OCCUPANCY CLASSIFICATION | OCCUPANT DENSITY / 1000 FT^2 | NUMBER OF PEOPLE | CFM/PERSON | PEOPLE CFM | CFM/SQFT CFM | AREA CFM | REQUIRED CFM (Vbz) | Zone Air Dist. Effectivness (Ez) | CODE REQUIRED CFM (Voz) | PROVIDED SUPPLY AIRFLOW | PROVIDED OUTDOOR AIRFLOW | PROVIDED EXHAUST CFM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | VESTIBULE | 121 | N/A | 0 | 0 | 0 | 0.0 | 0.00 | 0.0 | 0.0 | 0.8 | 0.0 | N/A | N/A | |
| 102 | SECURITY | 122 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 5.1 | 10.1 | 0.8 | 12.6 | 125 CFM | 25 CFM | |
| 107 | BREAK ROOM | 1012 | Break Rooms | 25 | 26.00 | 5 | 130.0 | 0.06 | 60.7 | 190.7 | 0.8 | 238.4 | 1200 CFM | 240 CFM | |
| 108 | OPEN OFFICE | 320 | Office Spaces | 5 | 2.00 | 5 | 10.0 | 0.06 | 19.2 | 29.2 | 0.8 | 36.5 | 300 CFM | 60 CFM | |
| 108B | OFFICE | 104 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 6.2 | 11.2 | 0.8 | 14.1 | 125 CFM | 25 CFM | |
| 108C | OFFICE | 118 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 7.1 | 12.1 | 0.8 | 15.1 | 125 CFM | 25 CFM | |
| 108D | OFFICE | 174 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 10.4 | 15.4 | 0.8 | 19.3 | 125 CFM | 25 CFM | |
| 108E | OFFICE | 109 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 6.5 | 11.5 | 0.8 | 14.4 | 125 CFM | 25 CFM | |
| 108F | OFFICE | 108 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 6.5 | 11.5 | 0.8 | 14.4 | 125 CFM | 25 CFM | |
| 108G | CONFERENCE | 223 | Conference Rooms | 50 | 12.00 | 5 | 60.0 | 0.06 | 13.4 | 73.4 | 0.8 | 91.7 | 500 CFM | 100 CFM | |
| 113 | TRIM ROOM | 2805 | Work Rooms | 10 | 29.00 | 10 | 290.0 | 0.18 | 504.9 | 794.9 | 0.8 | 993.6 | 3000 CFM | 1050 CFM | |
| 117 | QUALITY CONTROL | 392 | Occupiable Storage For Dry Materials | 2 | 1.00 | 5 | 5.0 | 0.06 | 23.5 | 28.5 | 0.8 | 35.7 | 400 CFM | 140 CFM | |
| 118 | GRIND AND TRIM EQUIPMENT ROOM | 865 | Work Rooms | 10 | 13.00 | 10 | 130.0 | 0.18 | 155.7 | 285.7 | 0.8 | 357.1 | 1000 CFM | 1000 CFM | |
| 120 | PRE TEST STORAGE | 680 | Occupiable Storage For Dry Materials | 2 | 2.00 | 5 | 10.0 | 0.06 | 40.8 | 50.8 | 0.8 | 63.5 | 700 CFM | 140 CFM | |
| 121 | POST TEST STORAGE | 742 | Occupiable Storage For Dry Materials | 2 | 2.00 | 5 | 10.0 | 0.06 | 44.5 | 54.5 | 0.8 | 68.2 | 800 CFM | 160 CFM | |
| 124 | PRE-ROLL CART-FILLING | 683 | Occupiable Storage For Dry Materials | 2 | 2.00 | 5 | 10.0 | 0.06 | 41.0 | 51.0 | 0.8 | 63.7 | 700 CFM | 140 CFM | |
| 125 | CART FILL & QUALITY CONTROL | 623 | Occupiable Storage For Dry Materials | 2 | 2.00 | 5 | 10.0 | 0.06 | 37.4 | 47.4 | 0.8 | 59.2 | 700 CFM | 140 CFM | |
| 126 | OFFICE | 118 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 7.1 | 12.1 | 0.8 | 15.1 | 125 CFM | 25 CFM | |
| 127 | PACKAGING | 2275 | Occupiable Storage For Dry Materials | 2 | 5.00 | 5 | 25.0 | 0.06 | 136.5 | 161.5 | 0.8 | 201.9 | 2400 CFM | 480 CFM | |
| 128 | DISTRIBUTION | 1911 | Occupiable Storage For Dry Materials | 2 | 4.00 | 5 | 20.0 | 0.06 | 114.7 | 134.7 | 0.8 | 168.3 | 2000 CFM | 400 CFM | |
| 129C | OFFICE | 127 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 7.6 | 12.6 | 0.8 | 15.8 | 125 CFM | 25 CFM | |
| 129D | SECURE ROOM | 89 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 5.3 | 10.3 | 0.8 | 12.9 | 125 CFM | 25 CFM | |
| 129E | FACILITIES SHOP | 396 | Office Spaces | 5 | 2.00 | 5 | 10.0 | 0.06 | 23.8 | 33.8 | 0.8 | 42.2 | 400 CFM | 80 CFM | |
| 130 | RECEIVING | 3578 | Occupiable Storage For Dry Materials | 2 | 8.00 | 5 | 40.0 | 0.06 | 214.7 | 254.7 | 0.8 | 318.4 | 3600 CFM | 400 CFM | |
| 131 | FERT./ MIXING / IRRIGATION | 1104 | Occupiable Storage For Dry Materials | 2 | 3.00 | 5 | 15.0 | 0.06 | 66.2 | 81.2 | 0.8 | 101.6 | 1200 CFM | 200 CFM | |
| 133 | CULTIVATION OFFICE | 118 | Office Spaces | 5 | 1.00 | 5 | 5.0 | 0.06 | 7.1 | 12.1 | 0.8 | 15.1 | 125 CFM | 25 CFM | |
| 135 | CULTIVATION SUPPLIES | 232 | Office Spaces | 5 | 2.00 | 5 | 10.0 | 0.06 | 13.9 | 23.9 | 0.8 | 29.9 | 250 CFM | 35 CFM | |

## GENERAL NOTES:

A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.

B. DRAWING DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION ETC WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, DUCTWORK, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE EXISTING CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES, AND ARCHITECT.

C. ALL CUTTING AND PATCHING OF EXISTING BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS TRADE. ALL PATCHING SHALL MATCH EXISTING COMPONENTS AND FINISHES. WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULAR EMPLOYED FOR SUCH SERVICES.

D. INSTALL ALL PIPING, DUCTWORK, EQUIPMENT, ETC. TO AVOID INTERFERENCE WITH THE OPERATION AND SERVICING OF ALL NEW AND EXISTING EQUIPMENT. IN GENERAL, DO NOT INSTALL ANYTHING ABOVE OR WITHIN 3 FT IN FRONT OF ELECTRICAL PANELS AND GEAR.

E. FIRESTOP ALL PIPING PENETRATIONS THRU FLOORS AND WALLS. SEE DETAILS ON LEGEND, SCHEDULES, DETAIL SHEET AND SPECIFICATION DIVISION 7.

F. THE WORK INCLUDED IN THIS CONTRACT ENCOMPASSES BOTH THE DRAWINGS AND SPECIFICATIONS. WORK INCLUDED ON THE DRAWINGS ONLY, OR IN THE SPECIFICATIONS ONLY, SHALL BE INCORPORATED AS IF INCLUDED IN BOTH SYSTEMS ARE INTENDED TO BE COMPLETE AND FULLY FUNCTIONING. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT. THE CONTRACTOR SHALL PROVIDE SUCH COMPONENTS, ETC. AS NECESSARY OR REQUIRED FOR A FULLY FUNCTIONING SYSTEM, IN ACCORDANCE WITH THE BEST PROFESSIONAL PRACTICE OF THE TRADE.

H. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN FLOOR PENETRATIONS. PRIOR TO MAKING ANY CONCRETE FLOOR SLAB PENETRATIONS EACH CONTRACTOR SHALL SCAN THE SLAB USING A 'REBAR LOCATING DEVICE' TO LOCATE EXISTING REINFORCING STEEL, UTILITIES, AND OTHER EMBEDMENTS WITHIN OR BELOW THE SLAB. LOCATION OF ALL PENETRATIONS SHALL BE ADJUSTED TO AVOID DISTURBING OR CUTTING ANY EXISTING SLAB REINFORCING STEEL, UTILITIES, AND OTHER EMBEDMENTS WITHIN OR BELOW THE SLAB. PROVIDE SCAN RESULTS TO THE ARCHITECT/ENGINEER AND OTHER CONTRACTORS.

## HVAC SYMBOLS / ABBREVIATIONS LEGEND:

- NEW WORK
- CW( ) — CHILLED WATER(S-SUPPLY, R-RETURN)
- HW( ) — HOT WATER(S-SUPPLY, R-RETURN)
- HC( ) — HOT/CHILLED WATER(S-SUPPLY, R-RETURN)
- CD — CONDENSATE DRAIN
- CAP
- RISE
- DROP
- TEE - OUTLET UP
- TEE - OUTLET DOWN
- BRANCH - TOP CONNECTION
- BRANCH - BOTTOM CONNECTION
- BRANCH - SIDE CONNECTION
- ANCHOR
- EXPANSION JOINT
- PIPE GUIDE
- FLOW - IN DIRECTION OF ARROW
- BALL VALVE
- BUTTERFLY VALVE
- PLUG VALVE
- PS — PRESSURE SWITCH
- PUMP (INDICATE USE)
- UNIT HEATER
- MOTOR OPERATED DAMPER
- M E OR P
- SRV-1 — ROOF VENTILATOR, INTAKE
- ERV-1 — ROOF VENTILATOR, EXHAUST
- ROOF VENTILATOR, LOUVERED

AIR OUTLET/ INLET SYMBOL




- THREE WAY VALVE
- GATE VALVE
- TD — TRIPLE DUTY VALVE
- GLOBE VALVE
- 2-WAY CONTROL VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- BALANCING VALVE
- UNION
- STRAINER
- STRAINER, BLOW OFF
- AIR VENT
- PRESSURE GAUGE
- EXPANSION LOOP
- AV — AUTOMATIC AIR VENT
- MV — MANUAL AIR VENT
- AIR SEPARATOR
- FS — FLOW SWITCH
- THERMOMETER
- FD — FLOOR DRAIN
- T — THERMOSTAT
- S — TEMPERATURE SENSOR
- T — TEMPERATURE CONTROLLER
- SD — SMOKE DECTECTOR
- C — CAP
- R — POINT OF REMOVAL
- P — POINT OF CONNECTION
- SUPPLY DIFFUSER (CEILING)
- RETURN / EXHAUST GRILLE (CEILING)
- DUCT SECTION, POSITIVE PRESSURE
- DUCT SECTION, NEGATIVE PRESSURE
- DIRECTION OF FLOW
- 12/20 — DUCT SIZE
- R — CHANGE OF ELEVATION
- ACCESS DOOR
- ACOUSTICAL LINING
- BACK DRAFT DAMPER
- FD / AD — VERTICAL POSITION FIRE DAMPER
- FD / AD — HORIZONTAL POSITION DAMPER
- VD — MANUAL VOLUME DAMPER
- S — MANUAL SPLITTER DAMPER
- SD / AD — SMOKE DAMPER
- S / R — STANDARD BRANCH (S-SUPPLY, R-RETURN)
- LINEAR DIFFUSER
- 48/3 / 20/10 — 300 / 158 — TRANSITION
- TURNING VANES
- FLEXIBLE CONNECTION

| | |
|---|---|
| AD | ACCESS DOOR |
| AFF | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UINT |
| AI | AIR INTAKE |
| AS | AIR SEPARATOR |
| AV | AIR VENT |
| BD | BALANCING DAMPER |
| BDD | BACKDRAFT DAMPER |
| BFP | BACK FLOW PREVENTOR |
| CD | CONDENSATE DRAIN |
| CFM | CUBIC FEET PER MINUTE |
| CLG | CEILING |
| CUH | CABINET UNIT HEATER |
| CW | COLD WATER |
| CWP | CHILLED WATER PUMP |
| EF,EXF | EXHAUST FAN |
| EG | EXHAUST GRILLE |
| ER | EXHAUST REGISTER |
| ET | EXPANSION TANK |
| FC | FAN COIL |
| FD | FIRE DAMPER |
| FR | FINNED TUBE RADIATION |
| GPM | GALLONS PER MINUTE |
| HUH | HORIZONTAL UNIT HEATER |
| HWP | HOT WATER PUMP |
| HWR | HOT WATER RETURN |
| HWS | HOT WATER SUPPLY |
| LRR | LINEAR RETURN REGISTER |
| LSR | LINEAR SUPPLY REGISTER |
| MBH( ) | 1,000 BRITISH THERMAL UNITS (C-COOLING, H-HEATING) |
| MOD | MOTOR OPERATED DAMPER |
| NC | NORMALLY CLOSED |
| NO | NORMALLY OPENED |
| OED | OPEN END DUCT |
| P | SYSTEM PUMP |
| PF | PROPELLER FAN |
| PRV | PRESSURE REGULATING VALVE |
| RD | RETURN DIFFUSER |
| RF | ROOF FAN |
| RG | RETURN GRILLE |
| RR | RETURN REGISTER |
| RV | RELIEF VENT |
| SR | SUPPLY REGISTER |
| SHWP | SECONDARY HOT WATER PUMP |
| SD | SUPPLY DIFFUSER |
| TC | TEMPERATURE CONTROL |
| TG | TRANSFER GRILLE |
| TYP | TYPICAL |
| TV | TURNING VANES |
| UH | UNIT HEATER |
| WC | WATER CHILLER |
| VD | VOLUME DAMPER |

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**CONSULTANT TYPE (BOLD)**
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CONSULTANT ADDRESS (NOT BOLD)

**CONSULTANT TYPE (BOLD)**
**CONSULTANT NAME (BOLD)**
CONSULTANT ADDRESS (NOT BOLD)
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**Signature & Seal:**

STATE OF NEW YORK · JOHN F. DILEO · 090784 · LICENSED PROFESSIONAL ENGINEER

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**Client:** 11580 WALDEN AVE LLC

**Project:** Alden Green House

**Project Address:** 11508 Walden Ave, Alden, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** MECHANICAL NOTES, SYMBOLS AND LEGENDS

**Sheet Number:** M001

11/26/2025 11:02:00 AM

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# AIR HANDLING UNIT SCHEDULE

| UNIT NO. | AREA SERVED | SUPPLY AIRFLOW | OUTSIDE AIR AIRFLOW | ELECTRICAL | | | SUPPLY FAN | | | COOLING SECTION | | | | | HEATING SECTION | | | | FILTER | WEIGHT | MAKE / MODEL | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | VOLTAGE / PHASE / HZ | MCA | MOP | HP | TOTAL S.P. (" W.C.) | EXTERNAL S.P. (" W.C.) | TOTAL BTU/H | SENSIBLE BTU/H | MOISTURE REMOVAL RATE (LBS/HR) | EAT (DB/WB) | LAT DEWPOINT | REFRIGERANT | EER | TYPE | KW | CAPICITY BTU/H | EAT | LAT | | | | |
| AHU-1A & 1B | FLOWER 1 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU-2A & 2B | FLOWER 2 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 3A & 3B | FLOWER 3 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 4A & 4B | FLOWER 4 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 5A & 5B | FLOWER 5 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 6A & 6B | FLOWER 6 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 7A & 7B | FLOWER 7 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 8A & 8B | FLOWER 8 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 9A & 9B | FLOWER 9 | 12250 CFM | 0 CFM | 460 / 3 / 60 | 157.2 A | 175 A | 5 HP | 2.71" W.C. | 1.5" W.C. | 504.9 MBH | 338.8 MBH | 163 LBS / HR | 78°F / 66°F | 52.6°F | R-454B | 10.09 | ELECTRIC | 90 | 307 MBH | 78°F | 88°F | MERV 8 & MERV 14 | 5170 LBS | AAON / RN 031 | 1,2,3,4 |
| AHU 10A & 10B | VEG 1 | 4800 CFM | 0 CFM | 460 / 3 / 60 | 55 A | 60 A | 5 HP | 3.01" W.C. | 1.75" W.C. | 128.9 MBH | 62.9 MBH | 66.3 LBS / HR | 88°F / 80.6°F | 74.7°F | R-454B | 13.33 | ELECTRIC | 20 | 68.2 MBH | 88°F | 100°F | MERV 8 & MERV 14 | 1581 LBS | AAON / RN 009 | 1,2,3,4 |
| AHU 11A & 11B | VEG 2 | 4800 CFM | 0 CFM | 460 / 3 / 60 | 55 A | 60 A | 5 HP | 3.01" W.C. | 1.75" W.C. | 128.9 MBH | 62.9 MBH | 66.3 LBS / HR | 88°F / 80.6°F | 74.7°F | R-454B | 13.33 | ELECTRIC | 20 | 68.2 MBH | 88°F | 100°F | MERV 8 & MERV 14 | 1581 LBS | AAON / RN 009 | 1,2,3,4 |
| AHU 12 | CULTIVATION / CORRIDOR | 2400 CFM | 480 CFM | 460 / 3 / 60 | 26 A | 35 A | 5 HP | 2.62" W.C. | 1.25" W.C. | 80.4 MBH | 64.1 MBH | -- | 77°F / 63.5°F | 53°F | R-454B | 12.15 | GAS | -- | 121.5 MBH | 49°F | 96°F | MERV 8 & MERV 14 | 1350 LBS | AAON / RNA007 | 1,2,3 |
| AHU-13 | RECEIVING / CULTIVATION STORAGE / MAINTENENCE | 3500 CFM | 300 CFM | 460 / 3 / 60 | 48 A | 60 A | 5 HP | 3.18" W.C. | 1.35" W.C. | 181.3 MBH | 136.3 MBH | -- | 77°F / 63.5°F | 53°F | R-454B | 10.9 | GAS | -- | 236.9 MBH | 47°F | 90°F | MERV 8 & MERV 14 | 2123 LBS | AAON / RNA015 | 1,2,3 |
| AHU-14 | DISTRIBUTION / INVENTORY | 2400 CFM | 400 CFM | 460 / 3 / 60 | 26 A | 35 A | 5 HP | 2.62" W.C. | 1.25" W.C. | 80.4 MBH | 64.1 MBH | -- | 77°F / 63.5°F | 53°F | R-454B | 12.15 | GAS | -- | 121.5 MBH | 49°F | 96°F | MERV 8 & MERV 14 | 1350 LBS | AAON / RNA007 | 1,2,3 |
| AHU-15 | PACKAGING | 4800 CFM | 600 CFM | 460 / 3 / 60 | 44 A | 50 A | 5 HP | 3.22" W.C. | 1.25" W.C. | 164.8 MBH | 128.8 MBH | -- | 77°F / 63.5°F | 53°F | R-454B | 11.86 | GAS | -- | 236.9 MBH | 47°F | 93°F | MERV 8 & MERV 14 | 2302 LBS | AAON / RNA 013 | 1,2,3 |
| AHU-16A / 16B / 16C / 16D / 16E / 16F | DRY ROOMS | 1200 CFM | 0 CFM | 460 / 3 / 60 | 12 A | 15 A | 1 HP | 2.13" W.C. | 1.2" W.C. | 36.2 MBH | 25.6 MBH | 10.1 LBS/HR | 70°F / 50.4°F | 52.3°F | R-454B | 11.75 | HOT GAS REHEAT | -- | 25.5 MBH | -- | 70°F | MERV 8 & MERV 14 | 1227 LBS | AAON / RN 010 | 1,2,3,4 |
| AHU-17 | BUCKING / TRIM / QUALITY CONTROL | 4000 CFM | 1400 CFM | 460 / 3 / 60 | 36 A | 45 A | 7.5 HP | 2.74" W.C. | 1.25" W.C. | 110 MBH | 90 MBH | -- | 68°F / 58°F | 53°F | R-454B | 13.33 | GAS | -- | 158 MBH | 47°F | 83°F | MERV 8 & MERV 14 | 1950 LBS | AAON / RNA009 | 1,2,3,4 |
| AHU-18 | OFFICE | 4000 CFM | 800 CFM | 460 / 3 / 60 | 32 A | 35 A | 5 HP | 2.75" W.C. | 1.35" W.C. | 128.1 MBH | 103.7 MBH | -- | 76.9°F 63°F | 53°F | R-454B | 14.01 | GAS | -- | 236.9 MBH | 47°F | 100°F | MERV 8 & MERV 14 | 2038 LBS | AAON / RNA011 | 1,2,3 |
| AHU-19 | PRE/POST TEST STORAGE / CORRIDOR | 3500 CFM | 700 CFM | 460 / 3 / 60 | 30 A | 40 A | 3 HP | 3.37" W.C. | 1.25" W.C. | 120 MBH | 97 MBH | -- | 78°F / 63°F | 54°F | R-454B | 11.86 | GAS | -- | 122 MBH | 47°F | 80°F | MERV 8 & MERV 14 | 1484 LBS | AAON / RNA010 | 1,2,3 |
| AHU-20 | GRIND AND TRIM EQUIPMENT ROOM | 1170 CFM | 1170 CFM | 460 / 3 / 60 | 26 A | 35 A | 2HP | 1.41" W.C. | .5" W.C. | 95 MBH | 46 MBH | -- | 90°F / 78°F | 54°F | R-454B | 12.44 | GAS | -- | 122 MBH | 2°F | 95°F | MERV 8 & MERV 14 | 1384 LBS | AAON / RNA008 | 1,2,3,4 |

NOTES:
1. AHU FURNISHED BY OWNER, INSTALLED BY MC
2. AHU CURB FURNISHED BY OWNER, INSTALLED BY MC
3. AHU AND DOUBLE WALL INSULATED PLENUM CURB PROVIDED AND INSTALLED BY MC
4. AHU TO TIE INTO PRIVIA CONTROL SYSTEM. COORDINATE WITH PRIVIA DESIGN DOCUMENTS.

# BOILER SCHEDULE

| UNIT NO. | | B-1 |
|---|---|---|
| LOCATION | | MECHANICAL ROOM |
| SERVICE | | HOT WATER REHEAT |
| BOILER | INPUT MBH | 399 |
| | OUTPUT MBH | 389 |
| | EWT / LWT (°F) | 160°F / 180°F |
| | TYPE | WALL HUNG |
| | FLOW | 40 GPM |
| | % EFFICIENCY | 97.5% |
| BURNER | TYPE | GAS |
| | MBH INPUT | 399 |
| ELECTRICAL | ELEC. (V / PH. / HZ) | 120 / 1 / 60 |
| | MOP | 15 A |
| DIMENSION | HEIGHT | 33" |
| | WIDTH | 25" |
| | LENGTH | 22" |
| CONNECTIONS | SUPPLY | 2" |
| | RETURN | 2" |
| | DRAIN | 1-1/4" |
| | FUEL CONN. | 3/4" |
| | COMBUSTION AIR | 3" |
| | VENT | 3" |
| MAKE | | NAVIEN |
| MODEL | | NFB-399C |
| NOTES: | | |

# PUMP SCHEDULE

| UNIT NO. | | P-1A, 1B |
|---|---|---|
| LOCATION | | MECHANICAL ROOM |
| SERVICE | | HOT WATER REHEAT |
| PUMP | GPM | 40 GPM |
| | HEAD (FT.) | 25' |
| | STYLE | INLINE |
| CONNECTIONS | SUCTION | 2" |
| | DISCHARGE | 2" |
| MOTOR | MCA | |
| | MOP | |
| | ELEC. (VOLTS / PH. / HZ) | |
| | MOTOR STARTER | |
| | HORSEPOWER | 2 HP |
| PIPE VIBRATION ISOLATORS | SUCTION | YES |
| | DISCHARGE | YES |
| MANUFACTURER | | BELL & GOSSETT |
| MODEL | | |
| SERIES | | |
| REMARKS | | VARIABLE SPEED CONTROLLER |
| NOTES: | | |

# EXHAUST FAN SCHEDULE

| UNIT NO. | | EF-1 | EF-2 | EF-3 | EF-4 | EF-5 | EF-6 | EF-7 | EF-8 | EF-9 | EF-10 | EF-11 | EF-12 | EF-13 | EF-14 | EF-15 | EF-16A, 16B | EF-17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SERVICE | | FLOWER 1 | FLOWER 2 | FLOWER 3 | FLOWER 4 | FLOWER 5 | FLOWER 6 | FLOWER 7 | FLOWER 8 | FLOWER 9 | VEG 1 | VEG 2 | MECH ROOM | TOILETS / JAN | OFFICE | UNISEX RESTROOM | CEILING VENTILATION | GRIND ROOM EXHAUST |
| SYSTEM | | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | CO2 PURGE | EXHAUST | EXHAUST | EXHAUST | EXHAUST | EXHAUST | EXHAUST |
| FAN | CFM | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 900 | 900 | 200 | 400 | 600 | 100 CFM | 9000 CFM | 1170 CFM |
| | S.P. (IN. W.C.) | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | 1.25" W.C. | .5" W.C. | .5" W.C. | .5" W.C. | .25" W.C. | 1.25" W.C. | 1.25" W.C. |
| | DRIVE | BELT | BELT | BELT | BELT | BELT | BELT | BELT | BELT | BELT | BELT | BELT | DIRECT | DIRECT | DIRECT | DIRECT | BELT | BELT |
| | SONES | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 11.4 | 11.4 | 7.4 | 7.4 | 7.8 | 1.7 | 18.1 | 12.9 |
| MOTOR | HP | 1 HP | 1 HP | 1 HP | 1 HP | 1 HP | 1 HP | 1 HP | 1 HP | 1 HP | 1/2 HP | 1/2 HP | 1/6 HP | 1/6 HP | 1/6 HP | 1/6 HP | 5 HP | 1/2 HP |
| | ELEC (VOLTS / PH. / HZ) | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 208 / 1 / 60 | 208 / 1 / 60 | 208 / 1 / 60 | 208 / 1 / 60 | 208 / 60 / 3 | 460 / 3 / 60 |
| | MCA | 2.6 A | 2.6 A | 2.6 A | 2.6 A | 2.6 A | 2.6 A | 2.6 A | 2.6 A | 2.6 A | 1.4 A | 1.4 A | 1.9 A | 1.9 A | 1.9 A | 1.5 A | 16.7A | 1.1 A |
| | MOP | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 15 A | 35 A | 15 A |
| CURB | TYPE | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | STANDARD | -- | STANDARD |
| | MATERIAL | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | -- | ALUMINUM |
| | HEIGHT | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | 14" | -- | 14" |
| | ROOF OPENING | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | -- | YES |
| ACCESSORIES | DISCONNECT | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | BIRDSCREEN | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | -- | YES |
| | BACK DRAFT DAMPER | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | MOTOR OP DAMPER | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | -- | YES |
| MANUFACTURER | | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK | GREENHECK |
| MODEL | | GB-180 | GB-180 | GB-180 | GB-180 | GB-180 | GB-180 | GB-180 | GB-180 | GB-180 | GB-160 HP | GB-160 HP | G-080-VG | G-080-VG | G-090-VG | G-060-VG | BSQ - 240 | GB-160 HP |
| REMARKS | | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 1,4 | 5 | 2 | 2 | 2 | 3 | 4 |

1. CO2 PURGE EXHAUST FAN, PROVIDE WALL MOUNTED SWITCH FOR UNIT OVERRIDE. CONNECT TO AIRGAS CONTROL SYSTEM.
2. GENERAL EXHAUST FAN, UNIT TO RUN WHEN BUILDING IS OCCUPIED.
3. CEILING VENTILATION EXHAUST FAN, PROVIDE TEMPERATURE SENSOR FOR UNIT CONTROL.
4. EXHAUST FAN HAS ASSOCIATED FILTER BOX. REFER TO FILTER SCHEDULE FOR MORE INFORMATION.
5. MECHAINCAL ROOM EXHAUST FAN, UNIT TO BE CONTROLLED OFF SPACE TEMPERATURE SENSOR. UNIT TO TURN ON WHEN SPACE GETS ABOVE 85 DEGREES.

# CABINET UNIT HEATER SCHEDULE

| UNIT NO. | | CUH-1 | CUH-2 | CUH-3 | CUH-4 | CUH-5 | CUH-6 |
|---|---|---|---|---|---|---|---|
| TYPE | | HOT WATER | HOT WATER | HOT WATER | HOT WATER | HOT WATER | HOT WATER |
| STYLE | | CEILING RECESSED | CEILING RECESSED | CEILING RECESSED | CEILING RECESSED | CEILING RECESSED | CEILING RECESSED |
| DIMENSIONS | HEIGHT | 9-1/2" | 9-1/2" | 9-1/2" | 9-1/2" | 9-1/2" | 9-1/2" |
| | WIDTH | 43" | 43" | 43" | 43" | 43" | 43" |
| | DEPTH | 27" | 27" | 27" | 27" | 27" | 27" |
| FAN | CFM | 300 | 300 | 300 | 300 | 300 | 300 |
| HOT WATER COIL | ROWS | 1 | 1 | 1 | 1 | 1 | 1 |
| | GPM | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| | MBH | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 |
| ELECTRICAL | | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 |
| FLA | | .58 A | .58 A | .58 A | .58 A | .58 A | .58 A |
| ENCLOSURE | GAUGE | 14-GAUGE | 14-GAUGE | 14-GAUGE | 14-GAUGE | 14-GAUGE | 14-GAUGE |
| | STYLE | | | | | | |
| | FINISH | WHITE | WHITE | WHITE | WHITE | WHITE | WHITE |
| MAKE | | ZEHNDER RITTLING | ZEHNDER RITTLING | ZEHNDER RITTLING | ZEHNDER RITTLING | ZEHNDER RITTLING | ZEHNDER RITTLING |
| MODEL | | RCWI-350 03 | RCWI-350 03 | RCWI-350 03 | RCWI-350 03 | RCWI-350 03 | RCWI-350 03 |
| NOTES | | 1,2,3 | 1,2,3 | 1,2,3 | 1,2,3 | 1,2,3 | 1,2,3 |

1. PROVIDE WITH VIBRATION ISOLATION KIT.
2. PROVIDE INTEGRAL THERMOSTAT FOR UNIT CONTROL.
3. PROVIDE CONTROL VALVE KIT FOR HOT WATER CONTROL

# SPLIT SYSTEM SCHEDULE

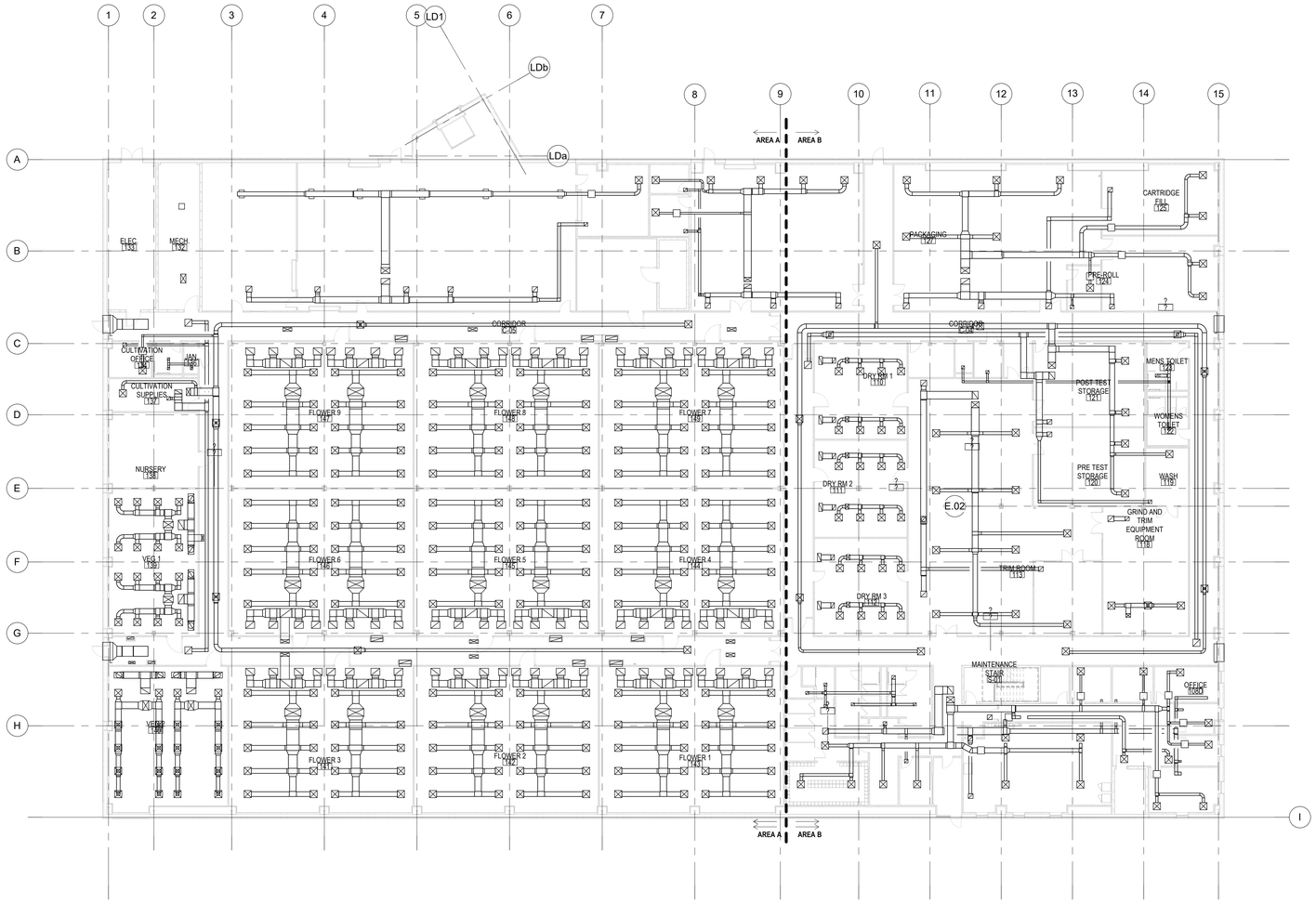
| INDOOR UNIT | INDOOR UNIT NO. | | FCU-1 | FCU-2 | FCU-3 | FCU-4 | FCU-5 | FCU-6A, 6B | FCU-7A, 7B |
|---|---|---|---|---|---|---|---|---|---|
| | SERVICE | | NURSERY | NURSERY | IT ROOM | IT ROOM | ELECTRICAL | WIC | WIF |
| | SUPPLY AIRFLOW | | 600 CFM | 600 CFM | 600 CFM | 600 CFM | 600 CFM | 610 CFM | 1371 CFM |
| | NOMINAL COOLING CAPACITY | BTU/H | 18,000 BTUH | 18,000 BTUH | 18,000 BTUH | 18,000 BTUH | 18,000 BTUH | 7800 BTUH | 8400 BTUH |
| | NOMINAL HEATING CAPACITY | BTU/H | -- | -- | -- | -- | -- | -- | -- |
| | ELECTRICAL | W | 30 | 30 | 30 | 30 | 30 | | |
| | SOUND PRESSURE LEVELS | | 48 DBA | 48 DBA | 48 DBA | 48 DBA | 48 DBA | | |
| | DRAIN PIPE | | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" |
| | DIMENSIONS | | 37-1/3" X 9" X 11-1/2" | 37-1/3" X 9" X 11-1/2" | 37-1/3" X 9" X 11-1/2" | 37-1/3" X 9" X 11-1/2" | 37-1/3" X 9" X 11-1/2" | | |
| | WEIGHT | | 25 LBS | 25 LBS | 25 LBS | 25 LBS | 25 LBS | 36 LBS | 54 LBS |
| ELECTRICAL | MCA | | 13 A | 13 A | 13 A | 13 A | 13 A | | |
| | MOP | | 25 A | 25 A | 25 A | 25 A | 25 A | | |
| | VOLTAGE | | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 | 460 / 3 / 60 |
| OUTDOOR UNIT | OUTDOOR UNIT NO. | | ACC-1 | ACC-2 | ACC-3 | ACC-4 | ACC-5 | ACC-6A, 6B | ACC-7A, 7B |
| | SERVICE | | FCU-1 | FCU-2 | FCU-3 | FCU-4 | FCU-5 | FCU-6A, 6B | FCU-7A, 7B |
| | DIMENSIONS | | 37" X 12" X 21" | 37" X 12" X 21" | 37" X 12" X 21" | 37" X 12" X 21" | 37" X 12" X 21" | | |
| | WEIGHT | | 104 LBS | 104 LBS | 104 LBS | 104 LBS | 104 LBS | | |
| | SOUND PRESSURE LEVELS | | 52 DBA | 52 DBA | 52 DBA | 52 DBA | 52 DBA | | |
| UNIT CONNECTIONS | REFRIGERANT PIPING DIMENSIONS | LIQUID (HIGH PRESSURE) | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" | 7/8" | 7/8" |
| | | SUCTION | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 3/8" | 3/8" |
| | MAX PIPE LENGTH | | 98' | 98' | 98' | 98' | 98' | | |
| REFRIGERANT | | | A2L | A2L | A2L | A2L | A2L | A2L | A2L |
| MANUFACTURER | | | HITACHI | HITACHI | HITACHI | HITACHI | HITACHI | COOLTEC | COOLTEC |
| MODEL (INDOOR / OUTDOOR) | | | RAC-DJ18WHAA / RAK-DJ18RHAA | RAC-DJ18WHAA / RAK-DJ18RHAA | RAC-DJ18WHAA / RAK-DJ18RHAA | RAC-DJ18WHAA / RAK-DJ18RHAA | RAC-DJ18WHAA / RAK-DJ18RHAA | BEL0060AS6AMA / RHM08-2S | BEL0080BS6EEA / RZL15-2S |
| NOTES: | | | 1, 3, 4, 7 | 1, 3, 4, 7 | 1,2,4 | 1,2,4, 7 | 1,2,4 | 5,6 | 5,6 |

1. LOW AMBIENT COOLING PACKAGE
2. PROVIDE WALL THERMOSTAT FOR CONTROL
3. TIE INTO PRIVIA CONTROL SYSTEM
4. PROVIDE 14" TALL ROOF RAIL SYSTEM FOR OUTDOOR UNIT MOUNTING
5. PROVIDE WITH ELECTRIC DEFROST, SINGLE BRANCH PIPING, FACTORY INSTALLED HEAD PRESSURE CONTROL, CRANK CASE HEATER, THERMOSTAT, SOLENOID VALVE, AND THERMO EXPANSION VALVE.
6. WIC TO HAVE A SETPOINT OF 35°F / WIF TO HAVE A SETPOINT OF -10°F.
7. PROVIDE CONDENSATE PUMP WITH UNIT

# VAV SCHEDULE

| UNIT NO. | | VAV-1 | VAV-2 | VAV-3 | VAV-4 | VAV-5 | VAV-6 | VAV-7 | VAV-8 | VAV-9 | VAV-10 | VAV-11 | VAV-12 | VAV-13 | VAV-14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SERVICE | | FACILITIES SHOP | OFFICE - 129C | OFFICE - 126 | CART FILL - 125 | PRE-ROLL CART FILLING - 124 | OFFICE - 108B | OFFICE - 108C | OFFICE - 108D | OFFICE - 108E | OFFICE - 108F | CONFERENCE ROOM - 108G | BREAK ROOM | CULTIVATION OFFICE | OPEN OFFICE - 108 |
| TYPE | | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT | HOT WATER REHEAT |
| SIZE | | 8 | 5 | 5 | 12 | 12 | 5 | 5 | 5 | 5 | 5 | 10 | 14 | 5 | 7 |
| CONNECTION SIZE | | 8" | 6" | 6" | 12" | 12" | 6" | 6" | 6" | 6" | 6" | 12" | 16" | 6" | 8" |
| AIRFLOW CAPACITY | MIN. | 210 CFM | 90 CFM | 90 CFM | 300 CFM | 320 CFM | 90 CFM | 90 CFM | 90 CFM | 90 CFM | 90 CFM | 460 CFM | 1190 CFM | 90 CFM | 180 CFM |
| | MAX. | 700 CFM | 250 CFM | 250 CFM | 1600 CFM | 1600 CFM | 250 CFM | 250 CFM | 250 CFM | 250 CFM | 250 CFM | 1100 CFM | 2100 CFM | 250 CFM | 700 CFM |
| | DESIGN | 400 CFM | 125 CFM | 125 CFM | 650 CFM | 650 CFM | 125 CFM | 125 CFM | 125 CFM | 125 CFM | 125 CFM | 500 CFM | 1200 CFM | 125 CFM | 400 CFM |
| | ENT / LVG AIR TEMP | 55 / 86 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 90 | 55 / 88 | 55 / 85 | 55 / 90 | 55 / 87 |
| ELECTRICAL | | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 | 120 / 1 / 60 |
| MCA | | | | | | | | | | | | | | | |
| COIL TYPE | | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW | 1-ROW |
| HOT WATER REHEAT COIL CAPACITY | | 13500 | 6300 | 6300 | 25000 | 25000 | 6300 | 6300 | 6300 | 6300 | 6300 | 17600 | 38800 | 6300 | 10400 |
| HOT WATER COIL PRESSURE DROP | | .08 | .02 | .02 | .06 | .06 | .02 | .02 | .02 | .02 | .02 | .06 | .09 | .02 | .05 |
| HOT WATER COIL FLOW | | 2 GPM | 1 GPM | 1 GPM | 4 GPM | 4 GPM | 1 GPM | 1 GPM | 1 GPM | 1 GPM | 1 GPM | 2 GPM | 4 GPM | 1 GPM | 1 GPM |
| ENT / LVG WATER TEMPERATURE | | 180 / 165 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 167 | 180 / 162 | 180 / 160 | 180 / 167 | 180 / 160 |
| RADIATED SOUND | ΔPS | | | | | | | | | | | | | | |
| | DBA | 45 DBA | 40 DBA | 40 DBA | 48 DBA | 48 DBA | 40 DBA | 40 DBA | 40 DBA | 40 DBA | 40 DBA | 50 DBA | 52 DBA | 40 DBA | 45 DBA |
| MAKE | | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE | PRICE |
| MODEL | | SDV - 8 | SDV - 5 | SDV - 5 | SDV - 12 | SDV - 12 | SDV - 5 | SDV - 5 | SDV - 5 | SDV - 5 | SDV - 5 | SDV-10 | SDV-14 | SDV - 5 | SDV - 8 |
| ACCESSORIES | | MOTORIZED DAMPER WITH WALL MOUNTED CONTROL AND CONTROL VALVE KIT

P:\11580 Walden Ave LLC\24003 Alden Green House\Drawings\Mech\24003_Alden Green House_MECH_TAN.rvt




## 1 OVERALL FIRST FLOOR MECHANICAL DUCTWORK PLAN

1/16" = 1'-0"

TRAUTMAN ASSOCIATES

ARCHITECTS / ENGINEERS

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Buffalo, New York 14202

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**CONSULTANT NAME (BOLD)**
CONSULTANT ADDRESS (NOT BOLD)
CONSULTANT ADDRESS (NOT BOLD)
CONSULTANT ADDRESS (NOT BOLD)

**CONSULTANT TYPE (BOLD)**
**CONSULTANT NAME (BOLD)**
CONSULTANT ADDRESS (NOT BOLD)
CONSULTANT ADDRESS (NOT BOLD)
CONSULTANT ADDRESS (NOT BOLD)

**Signature & Seal:**

STATE OF NEW YORK
JOHN F. DALY
NO. 097032
LICENSED PROFESSIONAL ENGINEER

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**Client:** 11580 WALDEN AVE LLC

**Project:** Alden Green House

**Project Address:** 11508 Walden Ave, Alden, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

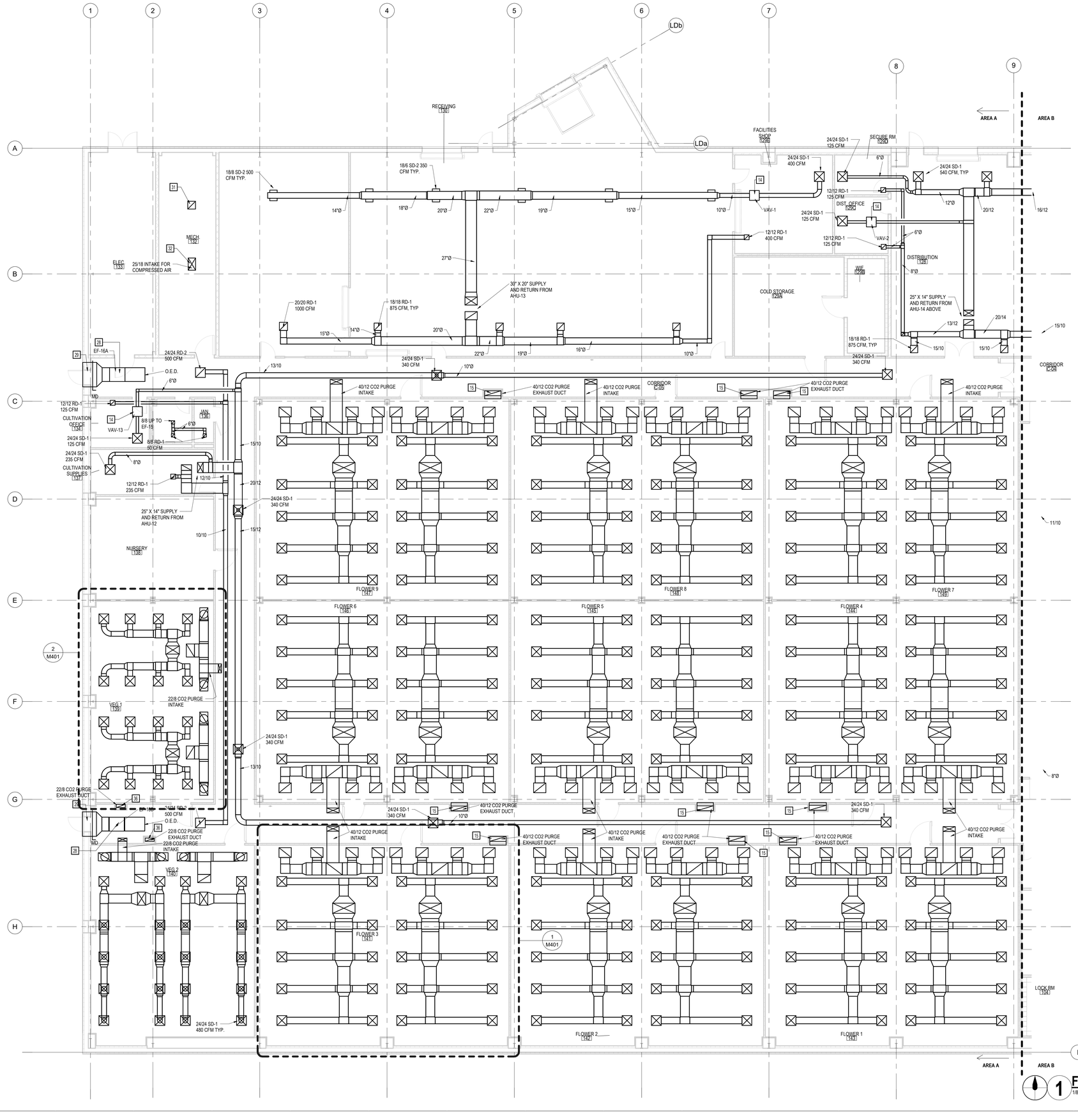
**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL FIRST FLOOR MECHANICAL DUCTWORK PLAN

**Sheet Number:** M101

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**GENERAL MECHANICAL NOTES:**

1. COORDINATE WORK WITH ALL TRADES PRIOR TO INSTILLATION.
2. ALL 90 DEGREE TRANSITIONS IN DUCTWORK TO BE PROVIDED TURNING VANES.
3. PROVIDE VOLUME DAMPERS ON ALL DUCWORK BRANCHES FOR BALANCING.
4. INSTALL ALL UNITS PER MANUFACTURERS REQUIREMENTS.
5. COORDINATE LOCATION OF ALL ROOF UNITS WITH BUTLER BUILDING OPENINGS.
6. ALL PENETRATIONS THROUGH THE INSULATED METAL PANEL WALLS AND CEILINGS TO BE SEALED WATERTIGHT.

**MECHANICAL DRAWING NOTES:** #

1. CULTIVATION UNIT RTU. UNIT TO BE TIED INTO PRIVIA CONTROLS SYSTEM. AAON TO PROVIDE REQUIRED SENSORS IN UNIT AND DUCTWORK FOR PRIVIA CONTROL. MECHANICAL CONTRACTOR TO TIE IN AAON CONTROLS FOR BACKUP. INSTALL UNIT THERMOSTAT IN RETURN DUCT. ROOF CURB TO BE INSTALLED LEVEL WITH ROOF PITCH.
2. C02 PURGE EXHAUST FAN. UNIT TO BE CONTROLLED OFF AIRGAS SENSOR WITH A SECONDARY ON/OFF SWITCH ON WALL IN ASSOCIATED FLOWER ROOM. ENSURE UNIT IS INSTALLED LEVEL. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
3. AIR INTAKE HOOD TO BE PROVIDED FOR C02 PURGE AIR INTAKE. HOOD TO BE A MINIMUM 14" ABOVE FINISHED ROOF. REFER TO DETAIL 6 ON M501 FOR MORE INFORMATION.
4. NON-CULTIVATION ROOF TOP UNIT. UNIT TO BE CONTROLLED OFF SPACE THERMOSTAT. ROOF CURB TO BE INSTALLED LEVEL WITH ROOF PITCH.
5. COOLER ROOM CONDENSER. 2 UNITS PROVIDED FOR FULL REDUNDANCY. INSTALL UNIT ON 14" HIGH RAIL SYSTEM. PIPING TO RUN THROUGH PIPE PORTAL TO EVAPORATOR.
6. FREEZER UNIT CONDENSER. 2 UNITS PROVIDED FOR FULL REDUNDANCY. INSTALL UNITS AN 14" HIGH RAIL SYSTEM. PIPING TO RUN THROUGH PIPE PORTAL TO EVAPORATOR.
7. GENERAL EXHAUST FAN. UNIT TO RUN CONTINUOUSLY DURING OCCUPIED OPERATION.
8. SPLIT SYSTEM FOR NURSERY ROOM. UNITS TO BE TIED INTO PRIVIA CONTROLS SYSTEM. INSTALL UNITS ON 14" HIGH RAIL SYSTEM. PIPING THROUGH PIPE PORTAL TO WALL MOUNTED FAN COIL UNITS.
9. AIR INTAKE FOR MECHANICAL ROOM. PROVIDE MOTORIZED DAMPER ON INTAKE. DAMPER TO OPEN WHEN MECHANICAL ROOM EF TURNS ON.
10. 12" X 12" PIPE PORTAL. PIPE PORTAL TO ALLOW FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT FOR SPLIT SYSTEM THROUGH ROOF. PROVIDE CURB WITH UNIT.
11. CONDENSATE FROM CULTIVATION RTU THROUGH THE ROOF OPENING. EACH RTU HAS (2) CONDENSATE PIPES THAT ARE TO BE PIPED TOGETHER WITH A SINGLE P-TRAP. PIPE CONDENSATE INSIDE TO DROPS BELOW SLAB. COORDINATE WITH PIPE STUBBED THROUGH FLOOR IN PHASE 1.
12. IT ROOM SPLIT SYSTEM. CONDENSER TO BE MOUNTED ON 14" HIGH ROOF RAILS. INDOOR UNIT TO HAVE WALL MOUNTED THERMOSTAT FOR CONTROL.
13. WALL MOUNTED BOILER FOR VAV REHEAT SYSTEM. 3" INTAKE AND EXHAUST THROUGH ROOF. COORDINATE GAS AND WATER REQUIREMENT WITH PLUMBING PLANS. PROVIDE WALL MOUNTED LOOP CONTROL CENTER FOR BOILER, PUMPS, AND HOT WATER LOOP CONTROL AND SETPOINTS.
14. VAV FOR REHEAT CONTROL. PROVIDE WALL THERMOSTAT FOR VAV CONTROL. PIPING TO HAVE VALVE KIT WITH CONTROL VALVE. REFER TO DETAIL 9 ON M501 FOR PIPING INFORMATION.
15. C02 PURGE EXHAUST DUCT TO RUN DOWN TO 12" A.F.F. AND CONNECT TO 40"W X 18"T RG-1 IN FLOWER ROOM WALL. COORDINATE WITH GC ALL CUTTING AND PATCHING OF I.M.P. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
16. CEILING CABINET UNIT HEATER. PROVIDE INTEGRAL THERMOSTAT FOR UNIT SETPOINT CONTROL. HANG UNIT OFF STRUCTURE ABOVE. PROVIDE CONTROL VALVE FOR HOT WATER CONTROL.
17. EVAPORATOR FOR FREEZER. CONTROL UNIT OFF WALL MOUNTED THERMOSTAT. CONDENSATE DRAIN FROM UNIT TO BE HEAT TRACED. UNITS TO RUN LEAD/LAG SO THAT THEY GET EQUAL USE.
18. EVAPORATOR FOR COOLER. CONTROL UNIT OFF WALL MOUNTED THERMOSTAT. UNITS TO RUN LEAD/LAG FOR EQUAL USE.
19. CIRCUIT SETTER FOR HOT WATER LOOP CONTROL. SET TO MINIMUM FLOW REQUIREMENTS FOR THE SYSTEM. COORDINATE WITH BOILER AND PUMP INSTALLATION.
20. INLINE PUMPS FOR HOT WATER SYSTEM. SUPPORT PUMPS OFF WALL SYSTEM. PUMPS TO RUN OFF LOOP PRESSURE CONTROL, PROVIDE DP SENSOR AT END OF SYSTEM.
21. SPLIT SYSTEM FOR ELECTRIC ROOM. PROVIDE WALL THERMOSTAT FOR UNIT SETPOINT. COORDINATE LOCATION WITH ELECTRICAL PLANS FOR AVAIABLE WALL SPACE.
22. COMPRESSORS FOR COMPRESSED AIR SYSTEM. PIPING AND SYSTEM DESIGN BY OWNER. COORDINATE WITH OWNER PROVIDED DESIGN DRAWINGS FOR INSTALL. REFER TO DETAILS 3 AND 5 ON M501 FOR MORE INFORMATION.
23. SMARTFOG HUMIDIFIER BY OWNER. COORDINATE INSTALL WITH OWNER PROVIDED DESIGN DRAWINGS.
24. PRIVIA CONTROL SENSOR. PRIVIA SYSTEM PURCHASED BY OWNER. REFER TO PRIVIA DESIGN DRAWINGS FOR REQUIRED COORDINATION WITH AAON UNITS.
25. MOBILE AIR FILTRATION UNIT, COORDINATE LOCATION WITH PROVIDED OUTLET. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALL.
26. DOAS SYSTEM FOR GRIND/TRIM EQUIPMENT ROOM. UNIT IS CONTROLLED BY PRIVIA CONTROL SYSTEM. INSTALL UNIT LEVEL, ON 14" HIGH ROOF CURB.
27. GRIND/TRIM ROOM EXHAUST FAN. UNIT TO FOLLOW DETAIL 7 ON M501 FOR FILTER BOX INSTALL. PROVIDE 7-12 ON EXHAUST RISER FOR EXHAUST FILTRATION. UNIT TO RUN WHEN AHU-20 IS ON.
28. CEILING VENTILATION EXHAUST FAN. HANG UNIT IN CEILING SPACE OFF STRUCTURE ABOVE. PROVIDE CONTROLLABLE TEMPERATURE SENSOR IN THE MIDDLE OF THE CEILING SPACE OF EF CONTROL. SET UNIT TO TURN ON WHEN TEMPERATURE SENSOR READS ABOVE 95 DEGREES.
29. 5' X 5' LOUVER FOR CEILING VENTILATION EXHAUST. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
30. 5' X 5' LOUVER FOR CEILING VENTILATION INTAKE. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
31. MECHANICAL ROOM EXHAUST FAN. PROVIDE MOTORIZED DAMPER ON UNIT DUCT. DAMPER TO OPEN AND UNIT TO TURN ON WHEN SPACE IS ABOVE 85 DEGREES. PROVIDE WALL MOUNTED TEMPERATURE SENSOR FOR UNIT CONTROL.
32. AIR INTAKE FOR COMPRESSED AIR. REFER TO DETAIL 3 ON M501 FOR CONTROLS.
33. CONDENSATE FROM FAN COIL UNITS TO BE PIPED TO NEAREST FLOOR DRAIN/MOP SINK. WITH AIR GAP TO DRAIN. CONDENSATE PUMP TO BE PROVIDED WHERE NEEDED.
34. MAIN AHU THERMOSTAT. COORDINATE FINAL LOCATION WITH OWNER.
35. C02 PURGE SYSTEM OVERRIDE SWITCH. WHEN SWITCH IS ACTIVATED THE MOTORIZED DAMPERS ON BOTH THE INTAKE AND EXHAUST FAN OPEN AND THE EF TURNS ON.
36. C02 PURGE EXHAUST DUCT TO RUN DOWN TO 12" A.F.F. AND CONNECT TO 22"W X 16"T RG-1 IN FLOWER ROOM WALL. COORDINATE WITH GC ALL CUTTING AND PATCHING OF I.M.P. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
37. C02 SUPPLY TO EACH GROW ROOM AIR HANDLER. COORDINATE WITH OWNER DESIGNED C02 SYSTEM. PIPE TO RUN INTO SUPPLY DUCT AND SENSOR TO BE INSTALLED FOR C02 CONTROL.

## 1 FIRST FLOOR MECHANICAL DUCTWORK PLAN - AREA A

1/8" = 1'-0"

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CONSULTANT ADDRESS (NOT BOLD)

**CONSULTANT TYPE (BOLD)**
**CONSULTANT NAME (BOLD)**
CONSULTANT ADDRESS (NOT BOLD)
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**Signature & Seal:**

STATE OF NEW YORK · JOHN F. DALY · 091 397 001 · LICENSED PROFESSIONAL ENGINEER

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**Client:** 11580 WALDEN AVE LLC

**Project:** Alden Green House

**Project Address:** 11508 Walden Ave, Alden, NY 14004

**Drawing History:**

| # | Date | Description |
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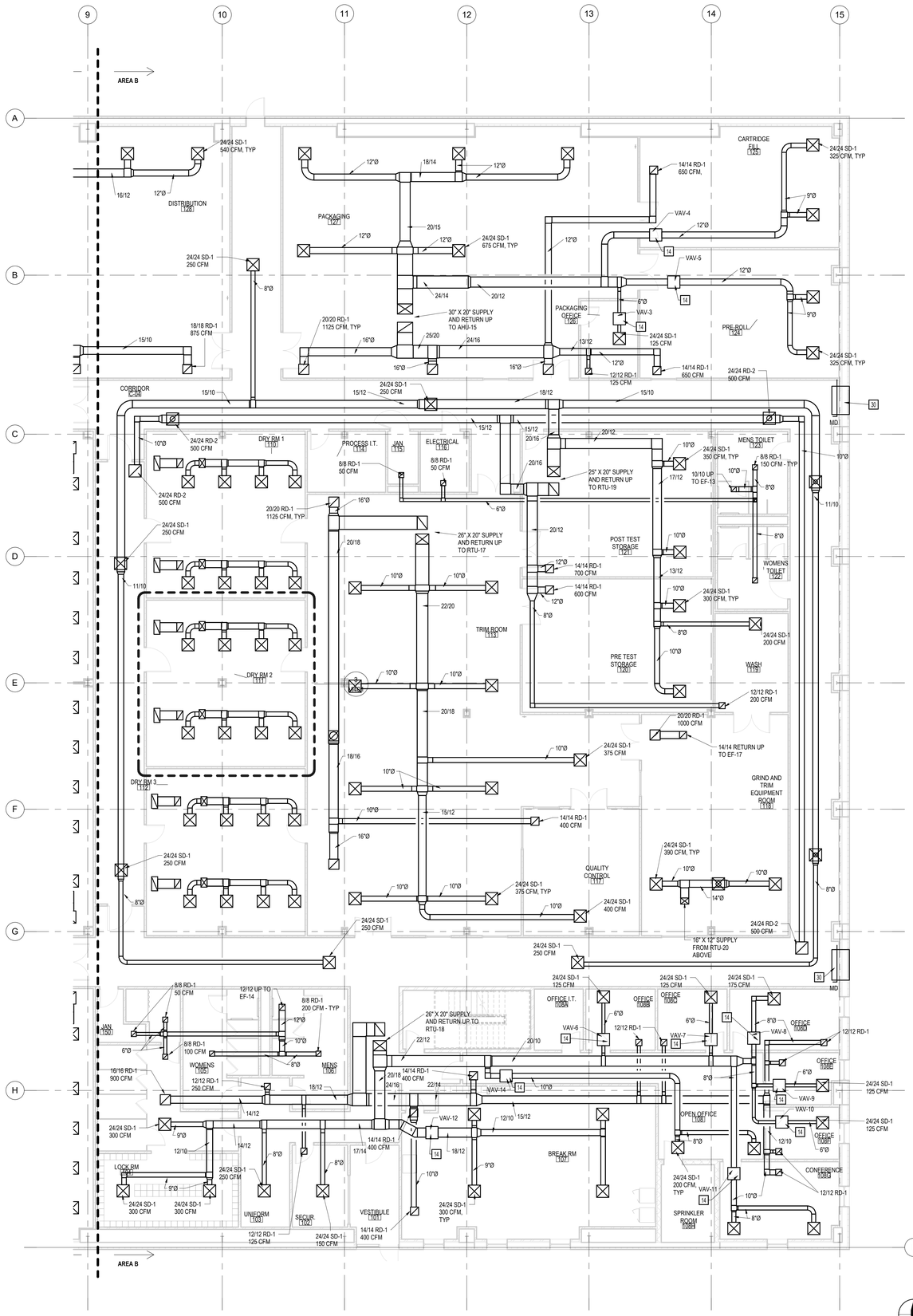
**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
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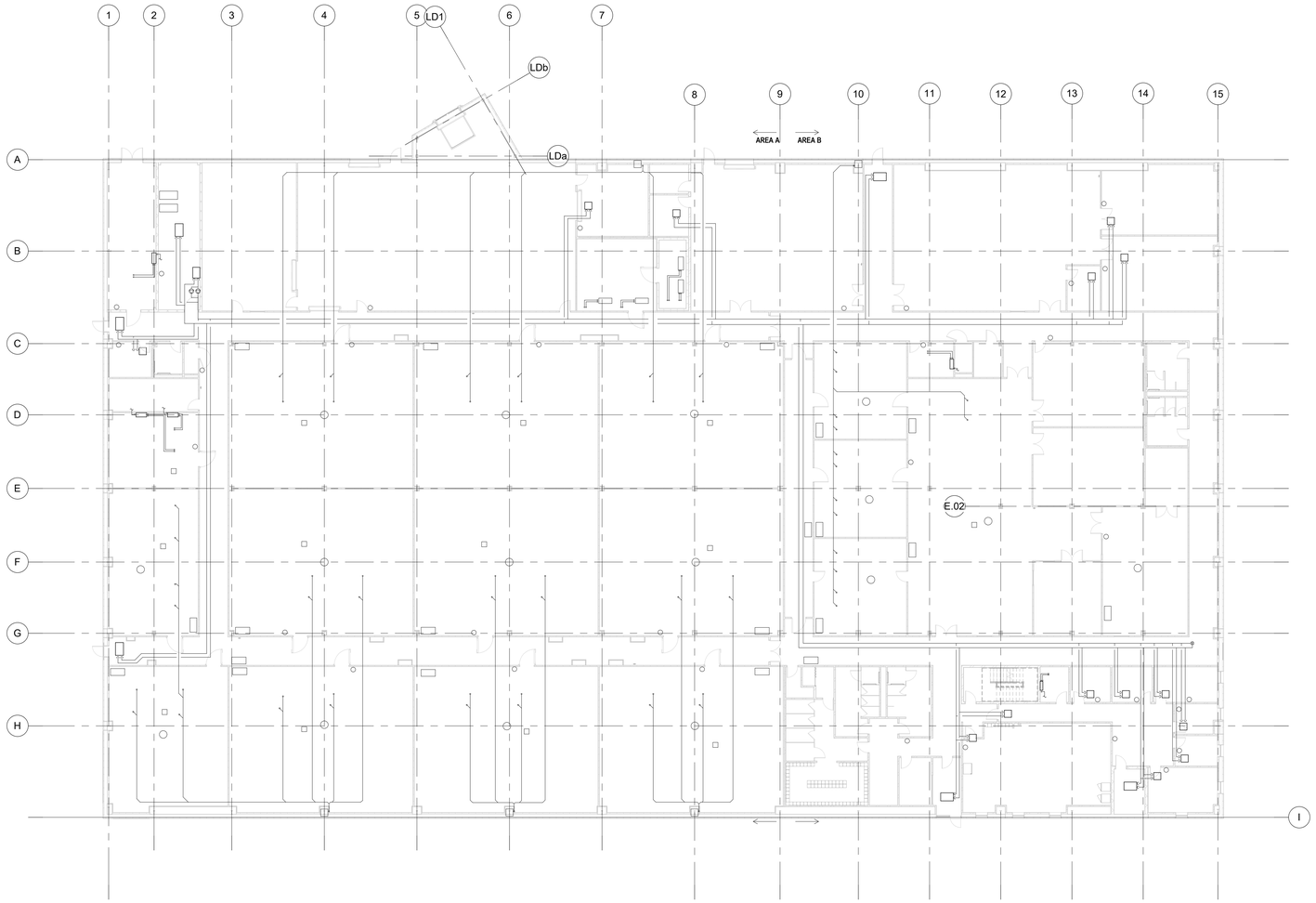
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MD
24/24 SD-1 540 CFM, TYP
24/24 SD-1 250 CFM
24/24 SD-1 675 CFM, TYP
24/24 SD-1 325 CFM, TYP
24/24 SD-1 125 CFM
24/24 SD-1 250 CFM
24/24 RD-2 500 CFM
18/18 RD-1 875 CFM
20/20 RD-1 1125 CFM, TYP
30" X 20" SUPPLY AND RETURN UP TO AHU-15
14/14 RD-1 650 CFM,
14/14 RD-1 650 CFM
12/12 RD-1 125 CFM
VAV-4
VAV-5
VAV-3
25" X 20" SUPPLY AND RETURN UP TO RTU-19
26" X 20" SUPPLY AND RETURN UP TO RTU-17
14/14 RD-1 700 CFM
14/14 RD-1 600 CFM
24/24 SD-1 350 CFM, TYP
10/10 UP TO EF-13
8/8 RD-1 150 CFM - TYP
24/24 SD-1 300 CFM, TYP
24/24 SD-1 200 CFM
12/12 RD-1 200 CFM
20/20 RD-1 1000 CFM
14/14 RETURN UP TO EF-17
24/24 SD-1 375 CFM
24/24 SD-1 390 CFM, TYP
24/24 SD-1 375 CFM, TYP
24/24 SD-1 400 CFM
16" X 12" SUPPLY FROM RTU-20 ABOVE
8/8 RD-1 50 CFM
12/12 UP TO EF-14
8/8 RD-1 200 CFM - TYP
8/8 RD-1 100 CFM
16/16 RD-1 900 CFM
12/12 RD-1 250 CFM
24/24 SD-1 300 CFM
24/24 SD-1 250 CFM
24/24 SD-1 300 CFM
24/24 SD-1 300 CFM
12/12 RD-1 125 CFM
24/24 SD-1 150 CFM
14/14 RD-1 400 CFM
26" X 20" SUPPLY AND RETURN UP TO RTU-18
VAV-6
VAV-7
VAV-8
VAV-9
VAV-10
VAV-11
VAV-12
VAV-14
24/24 SD-1 125 CFM
24/24 SD-1 175 CFM
24/24 SD-1 125 CFM
24/24 SD-1 125 CFM
24/24 SD-1 125 CFM
24/24 SD-1 125 CFM
24/24 SD-1 200 CFM, TYP
24/24 SD-1 300 CFM, TYP
12/12 RD-1
12/12 RD-1
12/12 RD-1
12/12 RD-1
14/14 RD-1 400 CFM
14/14 RD-1 400 CFM
14/14 RD-1 400 CFM
24/24 SD-1 300 CFM, TYP
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## 1 OVERALL FIRST FLOOR MECHANICAL PIPING PLAN

1/16" = 1'-0"

TRAUTMAN ASSOCIATES

ARCHITECTS / ENGINEERS

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**Signature & Seal:**

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JOHN F. DALY
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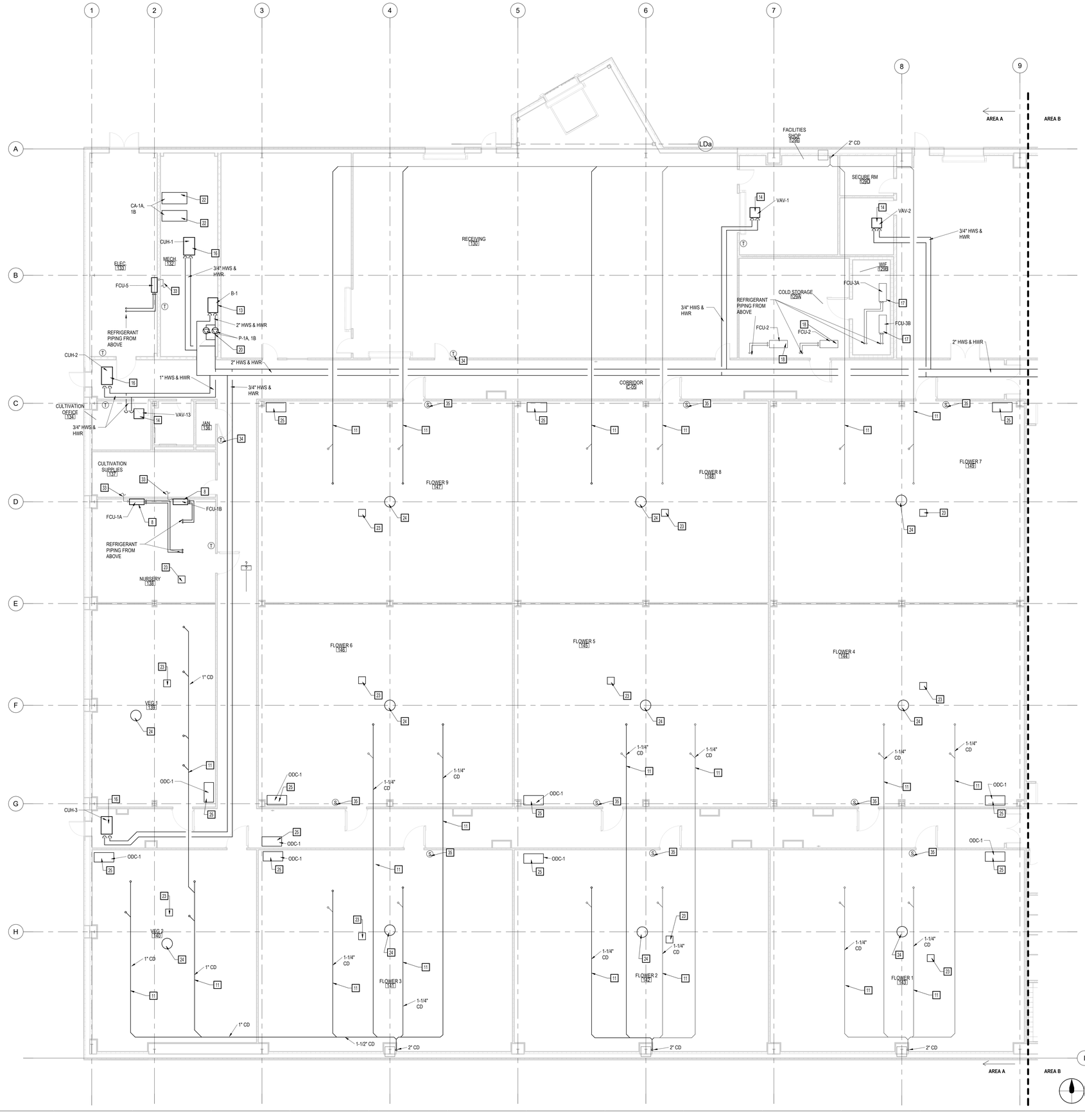
**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL FIRST FLOOR MECHANICAL PIPING PLAN

**Sheet Number:** M102

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**GENERAL MECHANICAL NOTES:**

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2. ALL 90 DEGREE TRANSITIONS IN DUCTWORK TO BE PROVIDED TURNING VANES.
3. PROVIDE VOLUME DAMPERS ON ALL DUCWORK BRANCHES FOR BALANCING.
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**MECHANICAL DRAWING NOTES:** #

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2. C02 PURGE EXHAUST FAN. UNIT TO BE CONTROLLED OFF AIRGAS SENSOR WITH A SECONDARY ON/OFF SWITCH ON WALL IN ASSOCIATED FLOWER ROOM. ENSURE UNIT IS INSTALLED LEVEL. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
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29. 9' X 5' LOUVER FOR CEILING VENTILATION EXHAUST. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
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## 1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA A

1/8" = 1'-0"

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**Signature & Seal:**

STATE OF NEW YORK · JOHN F. DAY · No. 087924 · LICENSED PROFESSIONAL ENGINEER

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**Client:** 11580 WALDEN AVE LLC

**Project:** Alden Green House

**Project Address:** 11508 Walden Ave, Alden, NY 14004

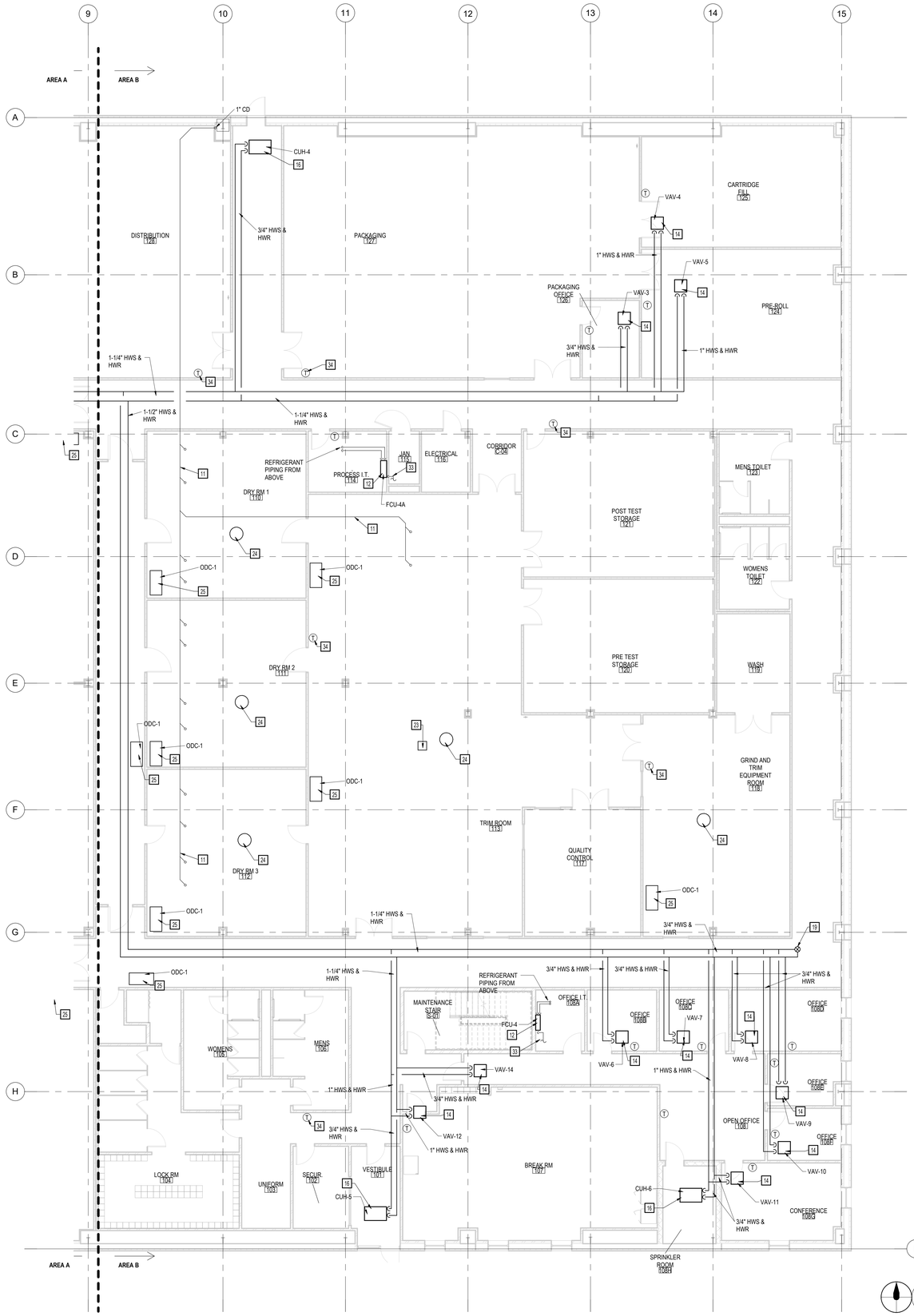
**Drawing History:**

| # | Date | Description |
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**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** FIRST FLOOR MECHANICAL PIPING AND EQUIPMENT PLAN - AREA A
**Sheet Number:** M102A

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## 1 FIRST FLOOR MECHANICAL PIPING PLAN - AREA B

1/8" = 1'-0"

**GENERAL MECHANICAL NOTES:**

1. COORDINATE WORK WITH ALL TRADES PRIOR TO INSTILLATION.
2. ALL 90 DEGREE TRANSITIONS IN DUCTWORK TO BE PROVIDED TURNING VANES.
3. PROVIDE VOLUME DAMPERS ON ALL DUCWORK BRANCHES FOR BALANCING.
4. INSTALL ALL UNITS PER MANUFACTURERS REQUIREMENTS.
5. COORDINATE LOCATION OF ALL ROOF UNITS WITH BUTLER BUILDING OPENINGS.
6. ALL PENETRATIONS THROUGH THE INSULATED METAL PANEL WALLS AND CEILINGS TO BE SEALED WATERTIGHT.

**MECHANICAL DRAWING NOTES:** #

1. CULTIVATION UNIT RTU. UNIT TO BE TIED INTO PRIVIA CONTROLS SYSTEM. AAON TO PROVIDE REQUIRED SENSORS IN UNIT AND DUCTWORK FOR PRIVIA CONTROL. MECHANICAL CONTRACTOR TO TIE IN AAON CONTROLS FOR BACKUP. INSTALL UNIT THERMOSTAT IN RETURN DUCT. ROOF CURB TO BE INSTALLED LEVEL WITH ROOF PITCH.
2. C02 PURGE EXHAUST FAN. UNIT TO BE CONTROLLED OFF AIRGAS SENSOR WITH A SECONDARY ON/OFF SWITCH ON WALL IN ASSOCIATED FLOWER ROOM. ENSURE UNIT IS INSTALLED LEVEL. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
3. AIR INTAKE HOOD TO BE PROVIDED FOR C02 PURGE AIR INTAKE. HOOD TO BE A MINIMUM 14" ABOVE FINISHED ROOF. REFER TO DETAIL 6 ON M501 FOR MORE INFORMATION.
4. NON-CULTIVATION ROOF TOP UNIT. UNIT TO BE CONTROLLED OFF SPACE THERMOSTAT. ROOF CURB TO BE INSTALLED LEVEL WITH ROOF PITCH.
5. COOLER ROOM CONDENSER. 2 UNITS PROVIDED FOR FULL REDUNDANCY. INSTALL UNIT ON 14" HIGH RAIL SYSTEM. PIPING TO RUN THROUGH PIPE PORTAL TO EVAPORATOR.
6. FREEZER UNIT CONDENSER. 2 UNITS PROVIDED FOR FULL REDUNDANCY. INSTALL UNITS AN 14" HIGH RAIL SYSTEM. PIPING TO RUN THROUGH PIPE PORTAL TO EVAPORATOR.
7. GENERAL EXHAUST FAN. UNIT TO RUN CONTINUOUSLY DURING OCCUPIED OPERATION.
8. SPLIT SYSTEM FOR NURSERY ROOM. UNITS TO BE TIED INTO PRIVIA CONTROLS SYSTEM. INSTALL UNITS ON 14" HIGH RAIL SYSTEM. PIPING THROUGH PIPE PORTAL TO WALL MOUNTED FAN COIL UNITS.
9. AIR INTAKE FOR MECHANICAL ROOM. PROVIDE MOTORIZED DAMPER ON INTAKE. DAMPER TO OPEN WHEN MECHANICAL ROOM EF TURNS ON.
10. 12" X 12" PIPE PORTAL. PIPE PORTAL TO ALLOW FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT FOR SPLIT SYSTEM THROUGH ROOF. PROVIDE CURB WITH UNIT.
11. CONDENSATE FROM CULTIVATION RTU THROUGH THE ROOF OPENING. EACH RTU HAS (2) CONDENSATE PIPES THAT ARE TO BE PIPED TOGETHER WITH A SINGLE P-TRAP. PIPE CONDENSATE INSIDE TO DROPS BELOW SLAB. COORDINATE WITH PIPE STUBBED THROUGH FLOOR IN PHASE 1.
12. IT ROOM SPLIT SYSTEM. CONDENSER TO BE MOUNTED ON 14" HIGH ROOF RAILS. INDOOR UNIT TO HAVE WALL MOUNTED THERMOSTAT FOR CONTROL.
13. WALL MOUNTED BOILER FOR VAV REHEAT SYSTEM. 3" INTAKE AND EXHAUST THROUGH ROOF. COORDINATE GAS AND WATER REQUIREMENT WITH PLUMBING PLANS. PROVIDE WALL MOUNTED LOOP CONTROL CENTER FOR BOILER, PUMPS, AND HOT WATER LOOP CONTROL AND SETPOINTS.
14. VAV FOR REHEAT CONTROL. PROVIDE WALL THERMOSTAT FOR VAV CONTROL. PIPING TO HAVE VALVE KIT WITH CONTROL VALVE. REFER TO DETAIL 9 ON M501 FOR PIPING INFORMATION.
15. C02 PURGE EXHAUST DUCT TO RUN DOWN TO 12" A.F.F. AND CONNECT TO 40"W X 18"T RG-1 IN FLOWER ROOM WALL. COORDINATE WITH GC ALL CUTTING AND PATCHING OF I.M.P. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
16. CEILING CABINET UNIT HEATER. PROVIDE INTEGRAL THERMOSTAT FOR UNIT SETPOINT CONTROL, HANG UNIT OFF STRUCTURE ABOVE. PROVIDE CONTROL VALVE FOR HOT WATER CONTROL.
17. EVAPORATOR FOR FREEZER. CONTROL UNIT OFF WALL MOUNTED THERMOSTAT. CONDENSATE DRAIN FROM UNIT TO BE HEAT TRACED. UNITS TO RUN LEAD/LAG SO THAT THEY GET EQUAL USE.
18. EVAPORATOR FOR COOLER. CONTROL UNIT OFF WALL MOUNTED THERMOSTAT. UNITS TO RUN LEAD/LAG FOR EQUAL USE.
19. CIRCUIT SETTER FOR HOT WATER LOOP CONTROL. SET TO MINIMUM FLOW REQUIREMENTS FOR THE SYSTEM. COORDINATE WITH BOILER AND PUMP INSTALLATION.
20. INLINE PUMPS FOR HOT WATER SYSTEM. SUPPORT PUMPS OFF WALL SYSTEM. PUMPS TO RUN OFF LOOP PRESSURE CONTROL, PROVIDE DP SENSOR AT END OF SYSTEM.
21. SPLIT SYSTEM FOR ELECTRIC ROOM. PROVIDE WALL THERMOSTAT FOR UNIT SETPOINT. COORDINATE LOCATION WITH ELECTRICAL PLANS FOR AVAIABLE WALL SPACE.
22. COMPRESSORS FOR COMPRESSED AIR SYSTEM. PIPING AND SYSTEM DESIGN BY OWNER. COORDINATE WITH OWNER PROVIDED DESIGN DRAWINGS FOR INSTALL. REFER TO DETAILS 3 AND 5 ON M501 FOR MORE INFORMATION.
23. SMARTFOG HUMIDIFIER BY OWNER. COORDINATE INSTALL WITH OWNER PROVIDED DESIGN DRAWINGS.
24. PRIVIA CONTROL SENSOR. PRIVIA SYSTEM PURCHASED BY OWNER. REFER TO PRIVIA DESIGN DRAWINGS FOR REQUIRED COORDINATION WITH AAON UNITS.
25. MOBILE AIR FILTRATION UNIT, COORDINATE LOCATION WITH PROVIDED OUTLET. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALL.
26. DOAS SYSTEM FOR GRIND/TRIM EQUIPMENT ROOM. UNIT IS CONTROLLED BY PRIVIA CONTROL SYSTEM. INSTALL UNIT LEVEL, ON 14" HIGH ROOF CURB.
27. GRIND/TRIM ROOM EXHAUST FAN. UNIT TO FOLLOW DETAIL 7 ON M501 FOR FILTER BOX INSTALL. PROVIDE 7-12 ON EXHAUST RISER FOR EXHAUST FILTRATION. UNIT TO RUN WHEN AHU-20 IS ON.
28. CEILING VENTILATION EXHAUST FAN. HANG UNIT IN CEILING SPACE OFF STRUCTURE ABOVE. PROVIDE CONTROLLABLE TEMPERATURE SENSOR IN THE MIDDLE OF THE CEILING SPACE OF EF CONTROL. SET UNIT TO TURN ON WHEN TEMPERATURE SENSOR READS ABOVE 95 DEGREES.
29. 5' X 5' LOUVER FOR CEILING VENTILATION EXHAUST. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
30. 5' X 5' LOUVER FOR CEILING VENTILATION INTAKE. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
31. MECHANICAL ROOM EXHAUST FAN. PROVIDE MOTORIZED DAMPER ON UNIT DUCT. DAMPER TO OPEN AND UNIT TO TURN ON WHEN SPACE IS ABOVE 85 DEGREES. PROVIDE WALL MOUNTED TEMPERATURE SENSOR FOR UNIT CONTROL.
32. AIR INTAKE FOR COMPRESSED AIR. REFER TO DETAIL 3 ON M501 FOR CONTROLS.
33. CONDENSATE FROM FAN COIL UNITS TO BE PIPED TO NEAREST FLOOR DRAIN/MOP SINK WITH AIR GAP TO DRAIN. CONDENSATE PUMP TO BE PROVIDED WHERE NEEDED.
34. MAIN AHU THERMOSTAT. COORDINATE FINAL LOCATION WITH OWNER.
35. C02 PURGE SYSTEM OVERRIDE SWITCH. WHEN SWITCH IS ACTIVATED THE MOTORIZED DAMPERS ON BOTH THE INTAKE AND EXHAUST FAN OPEN AND THE EF TURNS ON.
36. C02 PURGE EXHAUST DUCT TO RUN DOWN TO 12" A.F.F. AND CONNECT TO 22"W X 16"T RG-1 IN FLOWER ROOM WALL. COORDINATE WITH GC ALL CUTTING AND PATCHING OF I.M.P. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
37. C02 SUPPLY TO EACH GROW ROOM AIR HANDLER. COORDINATE WITH OWNER DESIGNED C02 SYSTEM. PIPE TO RUN INTO SUPPLY DUCT AND SENSOR TO BE INSTALLED FOR C02 CONTROL.


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**Signature & Seal:**

STATE OF NEW YORK — JOSEPH F. DAY — No. 087907 — LICENSED PROFESSIONAL ENGINEER


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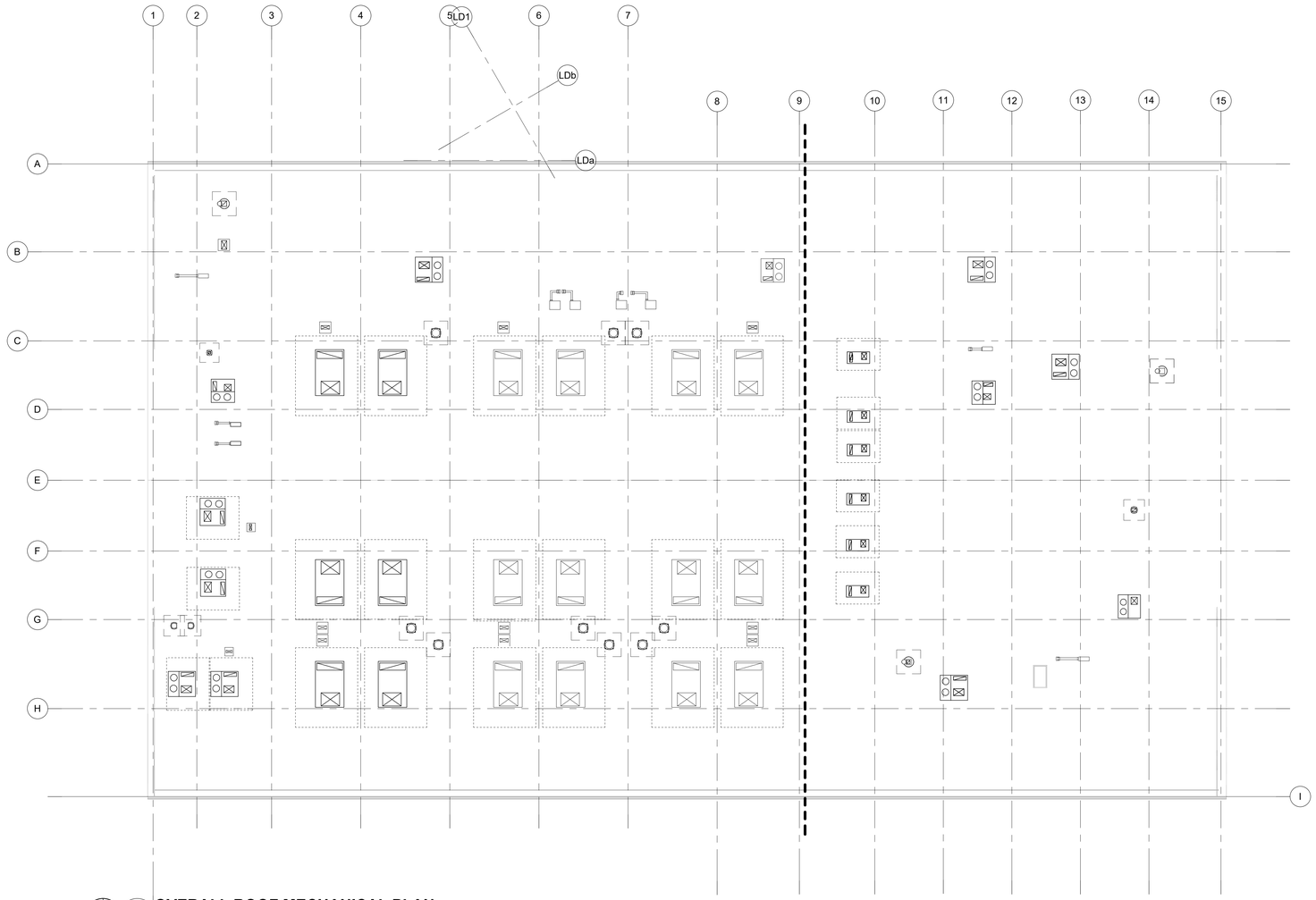
| # | Date | Description |
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**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** FIRST FLOOR MECHANICAL PIPING AND EQUIPMENT PLAN - AREA B
**Sheet Number:** M102B


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## 1 OVERALL ROOF MECHANICAL PLAN

1/16" = 1'-0"

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**Signature & Seal:**

STATE OF NEW YORK
JOHN F. DALY
No. 097251
LICENSED PROFESSIONAL ENGINEER

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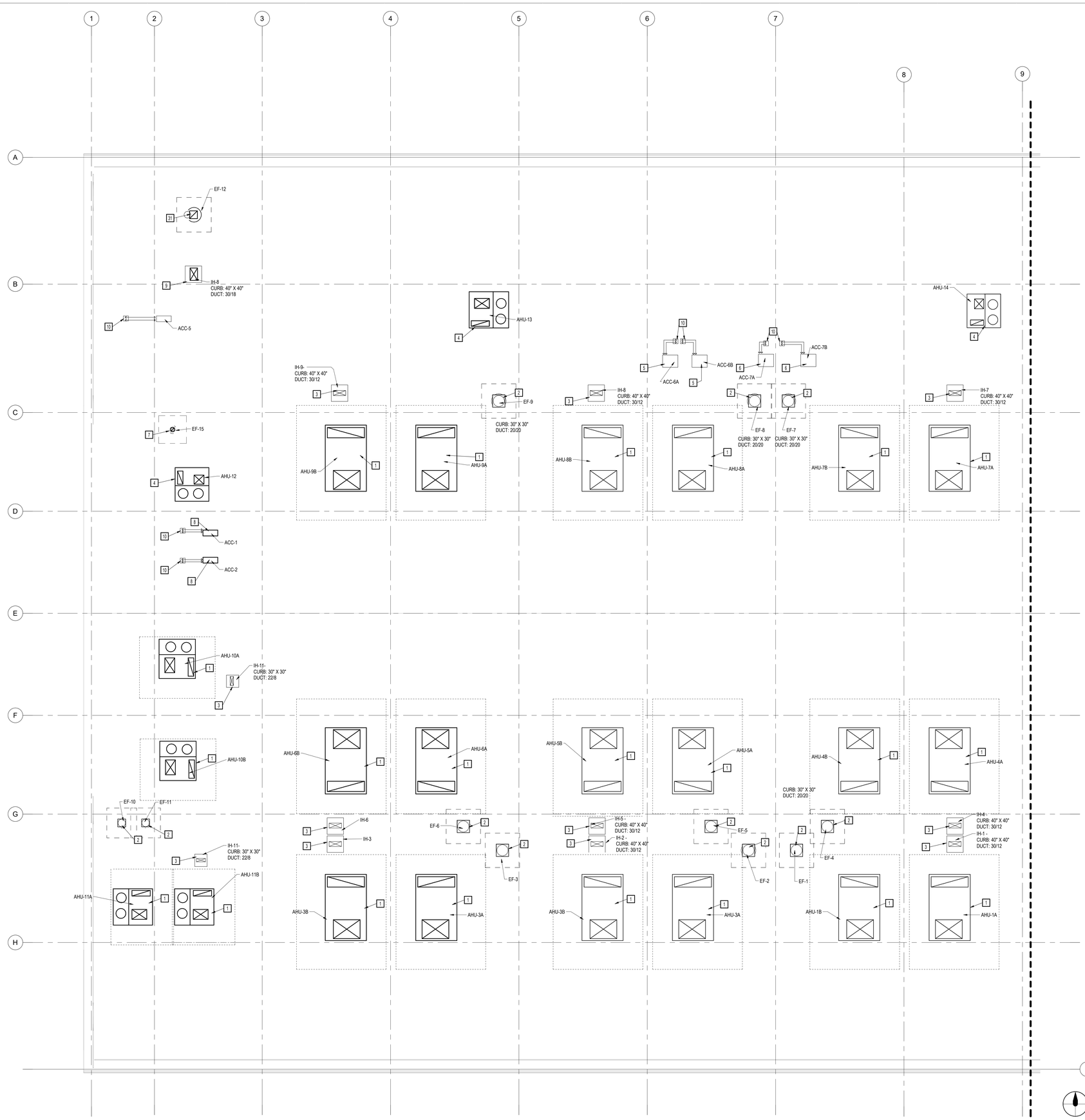
**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL ROOF MECHANICAL PLAN

**Sheet Number:** M103

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## ROOF MECHANICAL PLAN - AREA A

1/8" = 1'-0"

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1. COORDINATE WORK WITH ALL TRADES PRIOR TO INSTILLATION.
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**Signature & Seal:**

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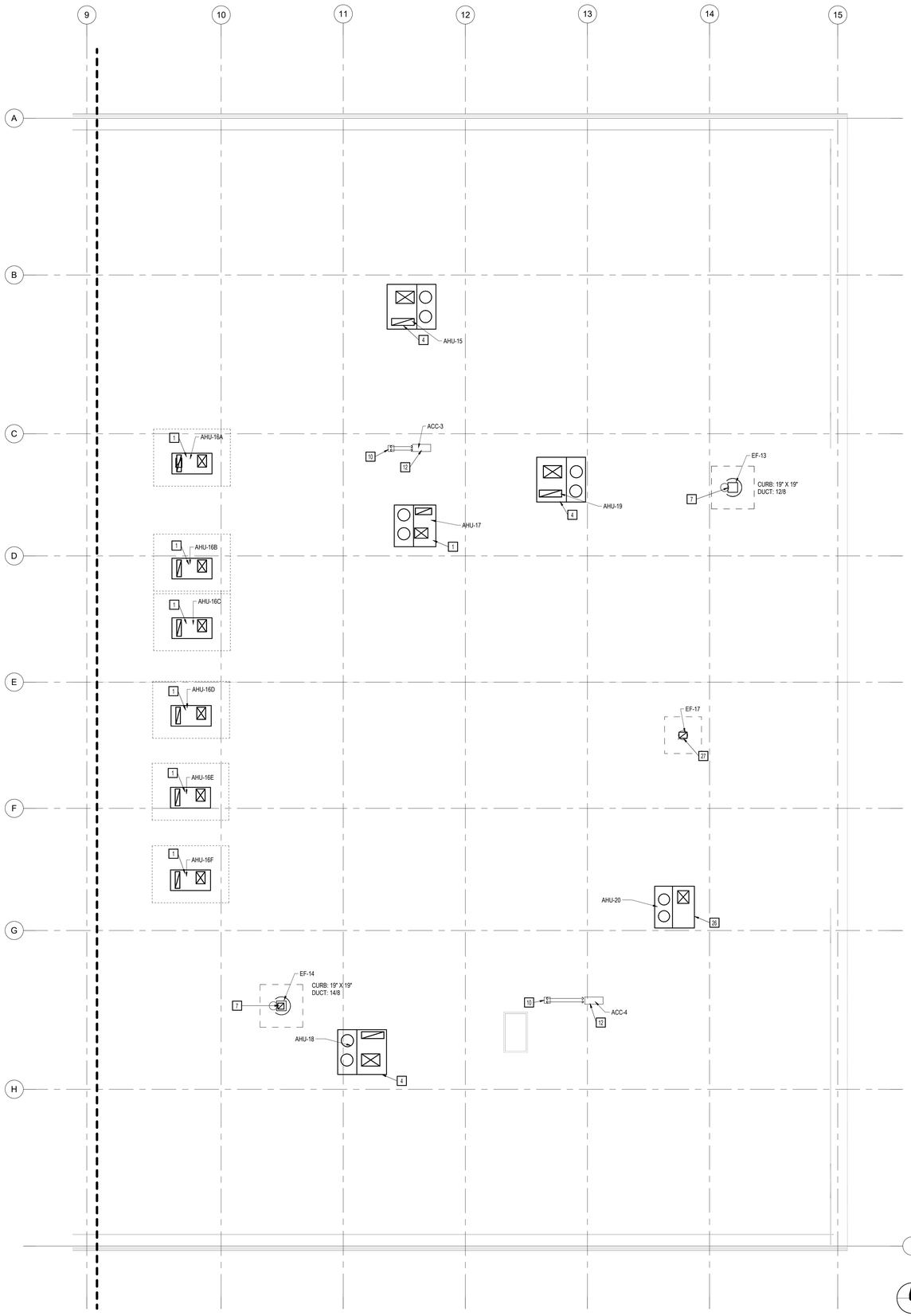
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**Date:** 11/26/2025
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**Sheet Title:** ROOF MECHANICAL PLAN - AREA A

**Sheet Number:** M103A

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1 ROOF MECHANICAL PLAN - AREA B
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11. CONDENSATE FROM CULTIVATION RTU THROUGH THE ROOF OPENING. EACH RTU HAS (2) CONDENSATE PIPES THAT ARE TO BE PIPED TOGETHER WITH A SINGLE P-TRAP. PIPE CONDENSATE INSIDE TO DROPS BELOW SLAB. COORDINATE WITH PIPE STUBBED THROUGH FLOOR IN PHASE 1.
12. IT ROOM SPLIT SYSTEM. CONDENSER TO BE MOUNTED ON 14" HIGH ROOF RAILS. INDOOR UNIT TO HAVE WALL MOUNTED THERMOSTAT FOR CONTROL.
13. WALL MOUNTED BOILER FOR VAV REHEAT SYSTEM. 3" INTAKE AND EXHAUST THROUGH ROOF. COORDINATE GAS AND WATER REQUIREMENT WITH PLUMBING PLANS. PROVIDE WALL MOUNTED LOOP CONTROL CENTER FOR BOILER, PUMPS, AND HOT WATER LOOP CONTROL AND SETPOINTS.
14. VAV FOR REHEAT CONTROL. PROVIDE WALL THERMOSTAT FOR VAV CONTROL. PIPING TO HAVE VALVE KIT WITH CONTROL VALVE. REFER TO DETAIL 9 ON M501 FOR PIPING INFORMATION.
15. C02 PURGE EXHAUST DUCT TO RUN DOWN TO 12" A.F.F. AND CONNECT TO 40"W X 18"T RG-1 IN FLOWER ROOM WALL. COORDINATE WITH GC ALL CUTTING AND PATCHING OF I.M.P. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
16. CEILING CABINET UNIT HEATER. PROVIDE INTEGRAL THERMOSTAT FOR UNIT SETPOINT CONTROL, HANG UNIT OFF STRUCTURE ABOVE. PROVIDE CONTROL VALVE FOR HOT WATER CONTROL.
17. EVAPORATOR FOR FREEZER. CONTROL UNIT OFF WALL MOUNTED THERMOSTAT. CONDENSATE DRAIN FROM UNIT TO BE HEAT TRACED. UNITS TO RUN LEAD/LAG SO THAT THEY GET EQUAL USE.
18. EVAPORATOR FOR COOLER. CONTROL UNIT OFF WALL MOUNTED THERMOSTAT. UNITS TO RUN LEAD/LAG FOR EQUAL USE.
19. CIRCUIT SETTER FOR HOT WATER LOOP CONTROL. SET TO MINIMUM FLOW REQUIREMENTS FOR THE SYSTEM. COORDINATE WITH BOILER AND PUMP INSTALLATION.
20. INLINE PUMPS FOR HOT WATER SYSTEM. SUPPORT PUMPS OFF WALL SYSTEM. PUMPS TO RUN OFF LOOP PRESSURE CONTROL, PROVIDE DP SENSOR AT END OF SYSTEM.
21. SPLIT SYSTEM FOR ELECTRIC ROOM. PROVIDE WALL THERMOSTAT FOR UNIT SETPOINT. COORDINATE LOCATION WITH ELECTRICAL PLANS FOR AVAIABLE WALL SPACE.
22. COMPRESSORS FOR COMPRESSED AIR SYSTEM. PIPING AND SYSTEM DESIGN BY OWNER. COORDINATE WITH OWNER PROVIDED DESIGN DRAWINGS FOR INSTALL. REFER TO DETAILS 3 AND 5 ON M501 FOR MORE INFORMATION.
23. SMARTFOG HUMIDIFIER BY OWNER. COORDINATE INSTALL WITH OWNER PROVIDED DESIGN DRAWINGS.
24. PRIVIA CONTROL SENSOR. PRIVIA SYSTEM PURCHASED BY OWNER. REFER TO PRIVIA DESIGN DRAWINGS FOR REQUIRED COORDINATION WITH AAON UNITS.
25. MOBILE AIR FILTRATION UNIT, COORDINATE LOCATION WITH PROVIDED OUTLET. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALL.
26. DOAS SYSTEM FOR GRIND/TRIM EQUIPMENT ROOM. UNIT IS CONTROLLED BY PRIVIA CONTROL SYSTEM. INSTALL UNIT LEVEL, ON 14" HIGH ROOF CURB.
27. GRIND/TRIM ROOM EXHAUST FAN. UNIT TO FOLLOW DETAIL 7 ON M501 FOR FILTER BOX INSTALL. PROVIDE 7-12 ON EXHAUST RISER FOR EXHAUST FILTRATION. UNIT TO RUN WHEN AHU-20 IS ON.
28. CEILING VENTILATION EXHAUST FAN. HANG UNIT IN CEILING SPACE OFF STRUCTURE ABOVE. PROVIDE CONTROLLABLE TEMPERATURE SENSOR IN THE MIDDLE OF THE CEILING SPACE OF EF CONTROL. SET UNIT TO TURN ON WHEN TEMPERATURE SENSOR READS ABOVE 95 DEGREES.
29. 5' X 5' LOUVER FOR CEILING VENTILATION EXHAUST. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
30. 5' X 5' LOUVER FOR CEILING VENTILATION INTAKE. PROVIDE PLENUM BOX FOR LOUVER THROUGH EXTERIOR WALL AND A MOTORIZED DAMPER IN PLENUM BOX TO OPEN WHEN EF TURNS ON. LOUVER TO BE CUSTOM COLOR TO MATCH BUILDING EXTERIOR.
31. MECHANICAL ROOM EXHAUST FAN. PROVIDE MOTORIZED DAMPER ON UNIT DUCT. DAMPER TO OPEN AND UNIT TO TURN ON WHEN SPACE IS ABOVE 85 DEGREES. PROVIDE WALL MOUNTED TEMPERATURE SENSOR FOR UNIT CONTROL.
32. AIR INTAKE FOR COMPRESSED AIR. REFER TO DETAIL 3 ON M501 FOR CONTROLS.
33. CONDENSATE FROM FAN COIL UNITS TO BE PIPED TO NEAREST FLOOR DRAIN/MOP SINK WITH AIR GAP TO DRAIN. CONDENSATE PUMP TO BE PROVIDED WHERE NEEDED.
34. MAIN AHU THERMOSTAT. COORDINATE FINAL LOCATION WITH OWNER.
35. C02 PURGE SYSTEM OVERRIDE SWITCH. WHEN SWITCH IS ACTIVATED THE MOTORIZED DAMPERS ON BOTH THE INTAKE AND EXHAUST FAN OPEN AND THE EF TURNS ON.
36. C02 PURGE EXHAUST DUCT TO RUN DOWN TO 12" A.F.F. AND CONNECT TO 22"W X 16"T RG-1 IN FLOWER ROOM WALL. COORDINATE WITH GC ALL CUTTING AND PATCHING OF I.M.P. REFER TO DETAIL 7 ON M501 FOR MORE INFORMATION.
37. C02 SUPPLY TO EACH GROW ROOM AIR HANDLER. COORDINATE WITH OWNER DESIGNED C02 SYSTEM. PIPE TO RUN INTO SUPPLY DUCT AND SENSOR TO BE INSTALLED FOR C02 CONTROL.

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**Client:** 11580 WALDEN AVE LLC

**Project:** Alden Green House

**Project Address:** 11508 Walden Ave, Alden, NY 14004

**Drawing History:**

| # | Date | Description |
|---|---|---|

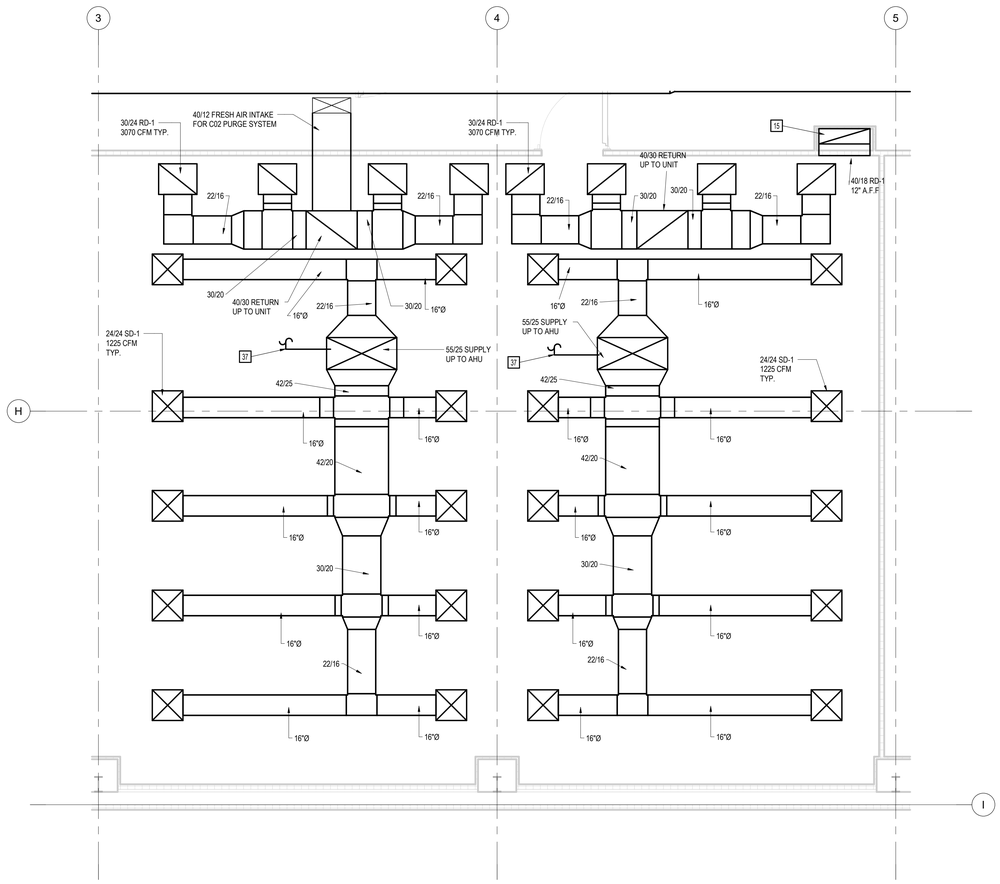
**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** ROOF MECHANICAL PLAN - AREA B

**Sheet Number:** M103B

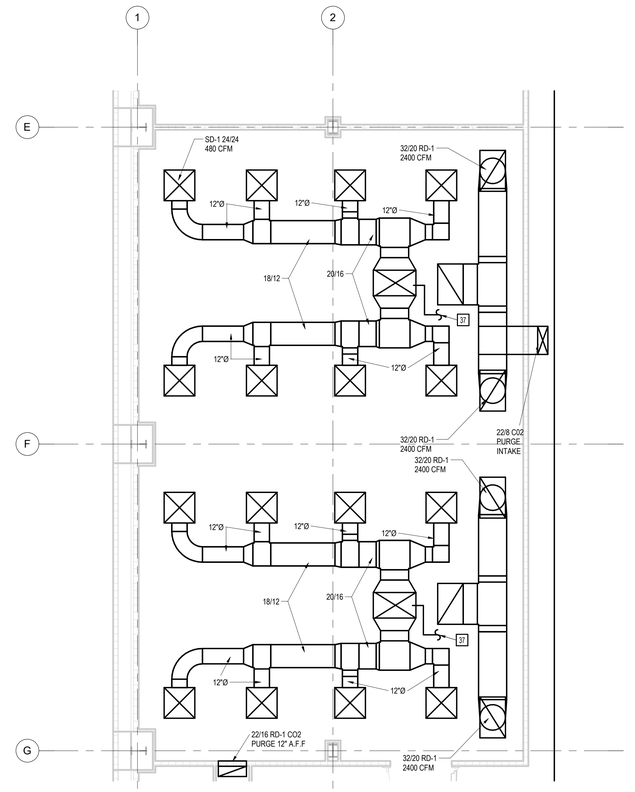
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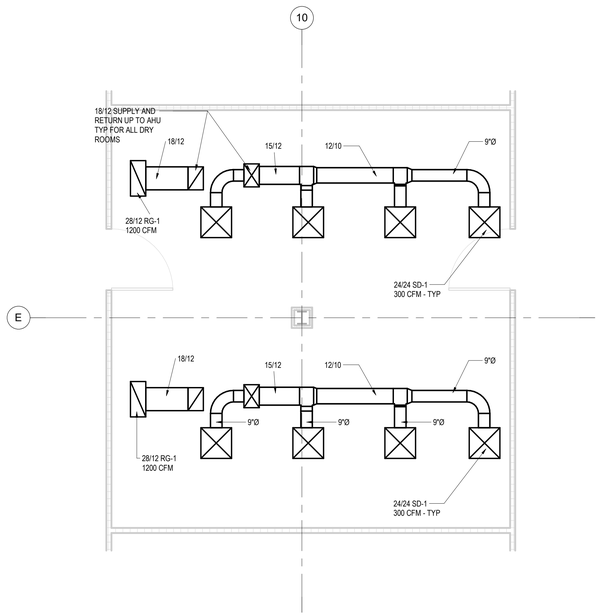

## 1 ENLARGED FLOWER ROOM DUCTWORK PLAN

1/4" = 1'-0"
REFERENCED FROM SHEET: M101A




## 2 ENLARGED VEG ROOM DUCTWORK PLAN

1/4" = 1'-0"
REFERENCED FROM SHEET: M101A




## 3 ENLARGED DRY ROOM DUCTWORK PLAN

1/4" = 1'-0"
REFERENCED FROM SHEET: M101B

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|---|---|---|

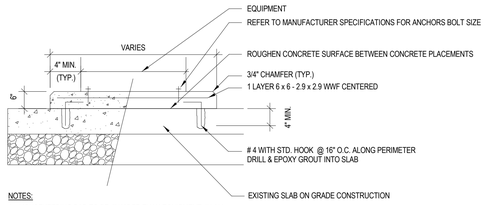
**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** ENLARGED MECHANICAL PLANS

**Sheet Number:** M401

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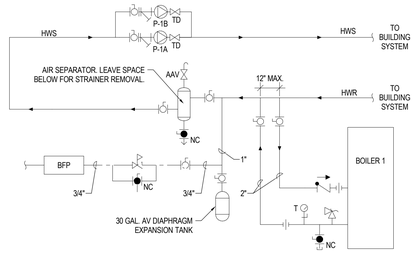



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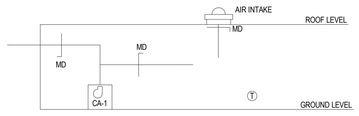
1. HOUSEKEEPING PAD TO BE 4" WIDER THAN EQUIPMENT, IN ALL DIMENSIONS.
2. COORDINATE ANCHORAGE REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
3. 4,000 PSI MINIMUM COMPRESSIVE STRENGTH NORMAL WEIGHT CONCRETE. 0.50 MAX WATER/CEMENT RATIO. TROWEL FINISH.

CONCRETE IS 4000 PSI NORMAL WEIGHT CONCRETE
RUI-15E / RUI-15D:
4 ISOLATORS PER CHILLER -
EACH ISOLATOR IS 4-1/2" X 4-1/2" = 20-1/4 SQUARE INCHES
WEIGHT PER ISOLATOR (LBS) = 3574 LBS (PER CHILLER SUBMITTAL)
LOAD PER ISOLATOR - 3574 LBS / 20-1/4 SQUARE INCHES = 177 PSI, OK
RUI-15F:
4 ISOLATORS PER CHILLER -
EACH ISOLATOR IS 4-1/2" X 4-1/2" = 20-1/4 SQUARE INCHES
WEIGHT PER ISOLATOR (LBS) = 3798 LBS (PER CHILLER SUBMITTAL)
LOAD PER ISOLATOR - 3798 LBS / 20-1/4 SQUARE INCHES = 188 PSI, OK

## 1 HOUSEKEEPING PAD DETAIL
N.T.S.




## 2 BOILER PIPING DIAGRAM
N.T.S.

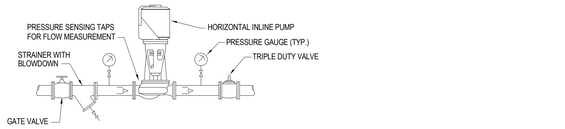



SEQUENCE OF OPERATIONS

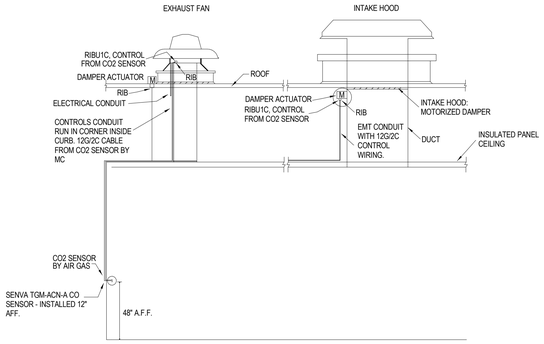
COMPRESSORS ARE ON:
DURING WINTER OPERATION WHEN SPACE TEMPERATURE IS BELOW THE SETPOINT 70°F ADJ, EXHAUST DAMPER SHALL CLOSE AND RE-CIRCULATION DAMPER SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE. IF SPACE TEMPERATURE IS TILL BELOW THE SET POINT, VAV ELECTRIC REHEAT COIL SCR CONTROLS WILL MODULATE TO MAINTAIN THE TEMPERATURE SET POINT. INTAKE AIR DAMPER IS HELD IN OPEN POSITION.

DURING SUMMER OPERATION WHEN SPACE TEMPERATURE IS ABOVE THE SET POINT 80°F ADJ, VAV BOX WILL MODULATE TO MAINTAIN THE SETPOINT. DURING THIS OPERATION, EXHAUST DAMPER AND INTAKE AIR DAMPER ARE HELD ON OPEN POSITION. RE-CIRCULATION DAMPER IS HELD IN CLOSED POSITION.

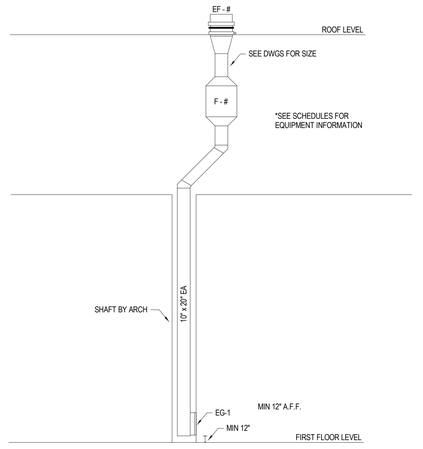
## 3 CONTROLS - COMPRESSOR VENTILATION
N.T.S.




## 4 IN LINE PUMP CONNECTION DETAIL
N.T.S.

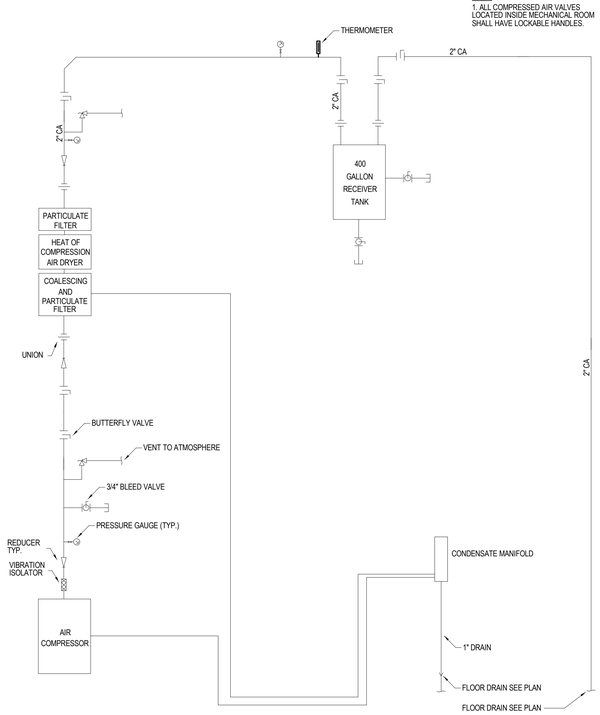



## 6 CO2 PURGE EXHAUST / INTAKE DETAIL
N.T.S.

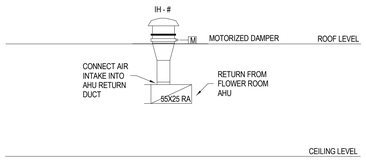



## 7 PURGE EXHAUST FAN DETAIL
N.T.S.

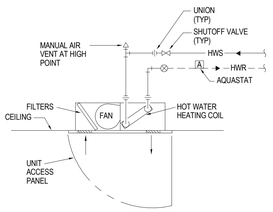
NOTE:
1. ALL COMPRESSED AIR VALVES LOCATED INSIDE MECHANICAL ROOM SHALL HAVE LOCKABLE HANDLES.




## 5 MECHANICAL COMPRESSED AIR SCHEMATIC
N.T.S.

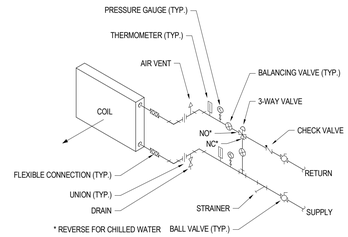



## 8 CO2 PURGE INTAKE SECTION VIEW
N.T.S.




## 10 RECESSED CEILING CABINET UNIT HEATER DETAIL
N.T.S.

NOTE:
1. PROVIDE DRAIN AT LOW POINT.
2. PIPING ARRANGEMENT FOR UNIT HEATERS SIMILAR.




## 9 VAV 3-WAY VALVE COIL PIPING
N.T.S.

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**Client:** 11580 WALDEN AVE LLC

**Project:** Alden Green House

**Project Address:** 11508 Walden Ave, Alden, NY 14004

**Drawing History:**

| # | Date | Description |
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**Project Status:**

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** **MECHANICAL DETAILS**

**Sheet Number:** **M501**

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# ABBREVIATIONS:

| | |
|---|---|
| AFF | ABOVE FINISHED FLOOR |
| A | AMPERE |
| AIC | ASYMMETRIC INTERRUPTING CAPACITY |
| AL | ALUMINUM |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AWG | AMERICAN WIRE GAUGE |
| BKR | BREAKER |
| C | CONDUIT |
| CLG | CEILING |
| CKT | CIRCUIT |
| CU | COPPER |
| DIA | DIAMETER |
| DN | DOWN |
| EA | EACH |
| EC | ELECTRICAL CONTRACTOR |
| EF | EXHAUST FAN |
| EMER | EMERGENCY |
| ETR | EXISTING TO REMAIN |
| F | FUSED |
| FA | FIRE ALARM |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| FACP | FIRE ALARM CONTROL PANEL |
| FTL | FEED THRU LUGS |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER |
| GFI | GROUND FAULT INTERRUPTER |
| GND | GROUND |
| HP | HORSEPOWER |
| K | MULTIPLE OF 1000 |
| JB | JUNCTION BOX |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| MAX | MAXIMUM |
| MCB | MAIN CIRCUIT BREAKER |
| MDP | MAIN DISTRIBUTION PANEL |
| MIN | MINIMUM |
| MLO | MAIN LUG ONLY |
| MTG HT | MOUNTING HEIGHT |
| NL | NIGHT LIGHT |
| NEC | NATIONAL ELECTRICAL CODE |
| NF | NON-FUSED |
| NTS | NOT TO SCALE |
| OC | OVER-COUNTER - EC TO VERIFY HEIGHT OF COUNTER TOP |
| OCP | OVERCURRENT PROTECTION |
| P | POLE |
| PH | PHASE |
| PNL | PANEL |
| PRI | PRIMARY |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| UC | UNDER-CABINET |
| V | VOLT |
| VIF | VERIFY IN FIELD |
| W | WATT |
| WG | WIREGUARD |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |

## DISTRIBUTION / BRANCH WIRING

| SYMBOL | DESCRIPTION |
|---|---|
| | PANELBOARD/LOAD CENTER - REFER TO PANELBOARD SCHEDULE |
| 2,4 LP-1 *G | HOMERUN TO PANELBOARD - ARROW HEADS INDICATE NUMBER OF POLES. TEXT ADJACENT TO ARROW HEADS INDICATES PANELBOARD AND CIRCUIT DESIGNATIONS. SLASHES INDICATE CURRENT CARRYING CONDUCTORS. SLASH WITH DOT INDICATES GROUNDING CONDUCTOR. SLASH WITH G INDICATES ISOLATED GROUND CONDUCTOR. |
| | RACEWAY OR CABLE WITH CONDUCTORS AS NOTED |
| | CONDUIT OR CABLE UP |
| | CONDUIT OR CABLE DOWN |
| T | TRANSFORMER |
| UE | UNDERGROUND ELECTRICAL CONDUIT |

## DEVICES

| SYMBOL | DESCRIPTION |
|---|---|
| WALL DT | WALL - SWITCH OCCUPANCY SENSOR<br>SUBSCRIPTS DENOTE TYPE:<br>PIR - PASSIVE INFRARED<br>US - ULTRASONIC<br>D - 0-10V DIMMER<br>DT - DUAL-TECHNOLOGY |
| CEIL US | CEILING MOUNTED OCCUPANCY SENSOR<br>SUBSCRIPTS DENOTE TYPE:<br>PIR - PASSIVE INFRARED<br>US - ULTRASONIC<br>USC - ULTRASONIC CORRIDOR COVERAGE<br>DT - DUAL-TECHNOLOGY |
| SP | SWITCH PACK FOR OCCUPANCY SENSORS |
| RC | LIGHTING ROOM CONTROLLER |
| ALS | AMBIENT LIGHT SENSOR |
| PC | PHOTOCELL |
| | TOGGLE SWITCH<br>SUBSCRIPTS DENOTE TYPE:<br>2 - TWO POLE SWITCH<br>3 - THREE WAY SWITCH<br>4 - FOUR WAY SWITCH<br>LV - LOW VOLTAGE SWITCH<br>K - KEY OPERATED SWITCH<br>KP - DIMMING KEYPAD/SCENE CONTROLLER<br>T - MOTOR-RATED SWITCH<br>D - DIMMER CONTROL<br>WP - WEATHER PROOF<br>ROMAN NUMERALS INDICATE GANGED SWITCHES<br>LETTERS (a,b,c) INDICATE SWITCH LEGS |
| | DUPLEX RECEPTACLE - 125V, 20A<br>SUBSCRIPTS DENOTE TYPE:<br>CH - INTEGRAL USB CHARGER<br>GFI - GROUND FAULT CIRCUIT INTERRUPTER<br>GFIP - CONNECTED TO GFCI CIRCUIT BREAKER<br>OC - OVER COUNTER<br>TVSS - TRANSIENT VOLTAGE SURGE SUPPRESOR<br>UC - UNDER COUNTER<br>WP - WEATHER PROOF WHILE-IN-USE<br>WR - WEATHER-RESISTANT<br>TR - TAMPER RESISTANT |
| | SPLIT-WIRED DUPLEX RECEPTACLE (HALF-SWITCHED) |
| | CEILING-MOUNTED RECEPTACLE |
| | DOUBLE DUPLEX RECEPTACLE |
| | SURFACE-MOUNTED DUPLEX RECEPTACLE |
| | EQUIPMENT CONNECTION - DIRECT CONNECTION OR MATCH CORD AND CAP AS REQUIRED |
| ##AS<br>##AF | DISCONNECT SWITCH<br>SUBSCRIPTS DENOTE RATINGS:<br>##AS - AMPERE RATING OF SWITCH<br>##AF - AMPERE RATING OF FUSE<br>NF - NON-FUSED |
| | EQUIPMENT RECEPTACLE - REFER TO NOTE FOR CONFIGURATION |
| J | JUNCTION BOX |
| TS | TIME SWITCH |
| | MOTOR CONNECTION |
| | RECESSED FLOOR BOX WITH POWER AND LOW VOLTAGE COMPARTMENTS |
| | DATA OUTLET WITH (1) RJ-45 JACK IN 4" SQUARE OUTLET BOX WITH 3/4" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING. PROVIDE (1) CAT-6 CABLE TO PATCH PANEL IN OFFICE I.T. ROOM. |
| | DATA OUTLET WITH (2) RJ-45 JACKS IN 4" SQUARE OUTLET BOX WITH 3/4" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING. PROVIDE (2) CAT-6 CABLES TO PATCH PANEL IN OFFICE I.T. ROOM. |
| TV | COMBINATION POWER/LOW VOLTAGE BOX FOR WALL-MOUNTED TV WITH (1) DUPLEX TVSS RECEPTACLE, (1) CAT-6 CABLE AND (1) RG-6 CABLE TO NEAREST DATA ROOM. |
| LM | ADDRESSABLE LOAD SHED MODULE |
| WAP | PROVISION FOR WIRELESS ACCESS POINT. EXTEND (1) CAT-6 CABLE TO PATCH PANEL IN OFFICE I.T. ROOM. PROVIDE 5' SERVICE LOOP AT ACCESS POINT LOCATION. |

## LIGHTING

| SYMBOL | DESCRIPTION |
|---|---|
| | LIGHTING FIXTURE AND OUTLET BOX |
| | CEILING LIGHTING FIXTURE AND OUTLET BOX |
| | WALL-MOUNTED LIGHTING FIXTURE AND OUTLET BOX |
| | POLE-MOUNTED SITE LIGHT |
| EM | SHADING/EM DENOTES EMERGENCY FIXTURE - FIXTURE TO BE PROVIDED WITH BODINE GTD SWITCHPACK DEVICE TO ALLOW LOCAL SWITCH CONTROL |
| NL | SHADING/NL DENOTES NIGHT-LIGHT FIXTURE - FIXTURE TO BE UNSWITCHED |
| | EXIT SIGN - SOLID QUADRANT DENOTES DIRECTIONAL ARROWS AND LINE DENOTES PANELS/FACES |
| GTD | EMERGENCY SHUNT RELAY |
| | |

## FIRE ALARM

| SYMBOL | DESCRIPTION |
|---|---|
| FACP | FIRE ALARM CONTROL PANEL |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| F | MANUAL PULLSTATION |
| SD | SMOKE DETECTOR |
| SD SB | SMOKE DETECTOR WITH SOUNDER BASE |
| MC | MULTI-CRITERIA DETECTOR WITH CARBON MONOXIDE SENSOR |
| HD | HEAT DETECTOR |
| CO SB | CARBON MONOXIDE ALARM WITH SOUNDER BASE |
| S | DUCT-MOUNTED SMOKE DETECTOR |
| TS | VALVE TAMPER SWITCH |
| FL | FLOW SWITCH |
| RT | REMOTE TEST STATION |
| F | AUDIO NOTIFICATION DEVICE |
| F | VISUAL NOTIFICATION DEVICE |
| F | FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE |
| DH | DOOR HOLD-OPEN |
| FR | FIRE ALARM RELAY/ ACCESS CONTROL OVERRIDE |
| | |
| | |
| | |

## SECURITY / ACCESS CONTROL

| SYMBOL | DESCRIPTION |
|---|---|
| CR | RACEWAY/BOX PROVISION FOR CARD/PROXIMITY READER |
| ES | RACEWAY/BOX PROVISION FOR ELECTRIC LATCH/STRIKE |
| DC | RACEWAY/BOX PROVISION FOR DOOR CONTACT |
| PB | RACEWAY/BOX PROVISION FOR PUSHBUTTON |
| RTE | RACEWAY/BOX PROVISION FOR REQUEST TO EXIT SENSOR |
| | PROVISION FOR SECURITY CAMERA. EXTEND (1) CAT-6 CABLE TO PATCH PANEL IN OFFICE I.T. ROOM. PROVIDE 5' SERVICE LOOP AT CAMERA LOCATION |
| | |

## ONE-LINE DIAGRAMS

| SYMBOL | DESCRIPTION |
|---|---|
| | THERMAL MAGNETIC CIRCUIT BREAKER |
| LSI | ELECTRONIC TRIP CIRCUIT BREAKER |
| | SWITCH |
| | FUSE |
| GFP | GROUND FAULT PROTECTION DEVICE |
| CT | CURRENT TRANSFORMER |
| | VOLTAGE TRANSFORMER |
| DM | MULTIFUNCTION DIGITAL METER |
| | GROUND CONNECTION |
| G | GENERATOR |
| | AUTOMATIC TRANSFER SWITCH |
| MCB/MLO | PANELBOARD - REFER TO PANELBOARD SCHEDULE |
| T | TRANSFORMER - REFER TO TRANSFORMER SCHEDULE |
| | UNIT SUBSTATION TRANSFORMER |
| SPD | SURGE PROTECTION DEVICE (TVSS) |
| SM | SUBMETER |

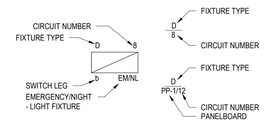
## GENERAL

| DEVICES | DESCRIPTION |
|---|---|
| | HEAVY LINEWEIGHT DENOTES NEW DEVICE, EQUIPMENT, OR CONNECTION |
| | LIGHT LINEWEIGHT DENOTES EXISTING DEVICE, EQUIPMENT, OR CONNECTION TO REMAIN |
| | BROKEN LIGHT LINEWEIGHT DENOTES EXISTING DEVICE, EQUIPMENT, OR CONNECTION TO BE REMOVED |
| II | ROMAN NUMERALS INDICATE NUMBER OF DEVICES |
| | |
| | |

## MOUNTING HEIGHTS

| DEVICES | MOUNTING HEIGHT |
|---|---|
| RECEPTACLES | 18" AFF |
| EXTERIOR RECEPTACLES | 24" AFF |
| SWITCHES | 44" AFF |
| DATA/TELCOM OUTLETS | 18" AFF |
| FIRE ALARM MANUAL PULLSTATIONS | 44" AFF |
| RESIDENTIAL LOAD CENTERS | TOP AT 60" AFF |
| FIRE ALARM VISUAL NOTIFICATION DEVICE | ENTIRE LENS BTW. 80"-96" AFF |
| MOUNTING HEIGHTS OF DEVICES TO THE CENTER OF DEVICE AS INDICATED, UNLESS OTHERWISE NOTED | |

## BRANCH CIRCUIT IDENTIFICATION




*TYPICAL OF NEARBY FIXTURES UNLESS OTHERWISE NOTED




## LUMINAIRE SCHEDULE

| TYPE | DESCRIPTION | MANUFACTURER & CAT. No. | LAMP(S) | BALLAST/VOLT. | MOUNTING | NOTES |
|---|---|---|---|---|---|---|
| L1 | 6" LED DOWNLIGHT WITH HIGH EFFICACY DIMMING AND WET LOCATION RATING | FHoSE A3i | LED | 277V | RECESSED | LUMINAIRES FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR |
| L2 | 2' x 4' LED FLAT PANEL WITH SMOOTH FROSTED LENS, INTEGRAL HIGH EFFICACY DRIVER, SELECTABLE OUTPUT, 0-10V DIMMING, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>24FPSL2SCT3 | LED<br>4620 LUMENS<br>4000K<br>80CRI | 277V | RECESSED | |
| L3 | 1' x 4' LED FLAT PANEL WITH SMOOTH FROSTED LENS, INTEGRAL HIGH EFFICACY DRIVER, SELECTABLE OUTPUT, 0-10V DIMMING, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>14FPSL1SCT3 | LED<br>3050 LUMENS<br>4000K<br>80CRI | 277V | RECESSED | |
| L4 | 1' x 1' LED FLAT PANEL WITH SMOOTH FROSTED LENS, INTEGRAL HIGH EFFICACY DRIVER, SELECTABLE OUTPUT, 0-10V DIMMING, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>11MMS-L3C5-UNV | LED<br>1660 LUMENS<br>4000K<br>80CRI | 277V | SURFACE MOUNTED | |
| L5 | 24" LED HIGH BAY FIXTURE WITH FROSTED POLYCARBONATE LENS, INTEGRAL HIGH EFFICACY DRIVER, 0-10V DIMMING, SURFACE MOUNT BRACKETS, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>LHBS-1218-UNV-L84050 | LED<br>12000 LUMENS<br>4000K<br>80CRI | 277V | PENDANT MOUNTED | |
| L6 | 48" LED STRIPLIGHT WITH FROSTED DROP LENS, INTEGRAL HIGH EFFICACY DRIVER, SELECTABLE OUTPUT, 0-10V DIMMING, FLAT END CAPS, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>4SNX-SL3-LN-UNV-CC83-CD-4000K | LED<br>4300 LUMENS<br>4000K<br>80CRI | 277V | SURFACE MOUNTED | |
| L6a | 48" LED STRIPLIGHT WITH FROSTED DROP LENS, INTEGRAL HIGH EFFICACY DRIVER, SELECTABLE OUTPUT, 0-10V DIMMING, FLAT END CAPS, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>4SNX-SL3-LN-UNV-CC83-CD-4000K | LED<br>4300 LUMENS<br>4000K<br>80CRI | 277V | WALL MOUNTED | |
| W1 | E26 LAMP HOLDER | | A19 GREEN) LED BULB FURNISHED BY OWNER | 120V | WALL MOUNTED | |

## EXTERIOR LUMINAIRE SCHEDULE

| TYPE | DESCRIPTION | MANUFACTURER & CAT. No. | LAMP(S) | BALLAST/VOLT. | MOUNTING | NOTES |
|---|---|---|---|---|---|---|
| WE1 | 9"x8"X18" EXTERIOR LED WALL PACK WITH DIE CAST ALUMINUM HOUSING AND BACK PLATE, FULL CUTOFF LENS, FORWARD THROW DISTRIBUTION, IP65 RATING, AND 5 YEAR WARRANTY | LITHONIA LIGHTING<br>WDGE3 LED P2 70CRI RFT 40K | LED<br>8600 LUMENS<br>4000K<br>70CRI | MVOLT | WALL MOUNTED AT 12'-0" AFG | ARCHITECT TO SELECT FINISH |
| WE2 | 9"x8"X18" EXTERIOR LED WALL PACK WITH DIE CAST ALUMINUM HOUSING AND BACK PLATE, FULL CUTOFF LENS, TYPE 4 DISTRIBUTION, IP65 RATING, AND 5 YEAR WARRANTY | LITHONIA LIGHTING<br>WDGE3 LED P2 70CRI R4 40K | LED<br>8700 LUMENS<br>4000K<br>70CRI | MVOLT | WALL MOUNTED AT 12'-0" AFG | ARCHITECT TO SELECT FINISH |
| X1a | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, TYPE 3 MEDIUM DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P5 40K 70CRI T3M | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 30'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X1b | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, TYPE 3 MEDIUM DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P5 40K 70CRI T3M | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 20'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X2 | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, TYPE 3 MEDIUM DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P7 40K 70CRI T3M | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 30'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X3 | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, TYPE 3 MEDIUM DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P3 40K 70CRI T3M | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 20'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X4 | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, TYPE 5 WIDE DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P5 40K 70CRI T5W | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 20'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X5 | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, TYPE 5 WIDE DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P7 40K 70CRI T5W | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 20'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X6 | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, FORWARD THROW DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P3 40K 70CRI TFTM | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 20'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X7 | LED POLE MOUNTED AREA FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP66 RATING, FORWARD THROW DISTRIBUTION, AND FIVE YEAR WARRANTY | LITHONIA LIGHTING<br>DSX0 LED P5 40K 70CRI TFTM | LED<br>12000 LUMENS<br>4000K<br>70CRI | 277V | POLE MOUNTED AT 20'-0" AFG | PROVIDE WIRELESS MESH NETWORK CONTROL MODULE |
| X8 | 9"x9" LED SURFACE MOUNT CANOPY FIXTURE WITH DIE CAST ALUMINUM HOUSING, IP65 RATING, SELECTABLE LUMENS, AND FIVE YEAR WARRANTY | COOPER LIGHTING<br>CLCS1SS-PC | LED<br>3700 LUMENS<br>4000K<br>70CRI | 277V | SURFACE MOUNTED | |

## TRANSFORMER SCHEDULE

| EQUIP. NO. | RATING | LOCATION | PRIMARY VOLTAGE | SECONDARY VOLTAGE | SUPPLY FROM | REMARKS |
|---|---|---|---|---|---|---|
| T-1 | 2500KVA | EXTERIOR | 4800Δ 12470Δ | 480Y/277V | POWER HOUSE | DUAL PRIMARY |
| T-2 | 30KVA | ELEC 133 | 480Δ | 208Y/120V | HP-G1 | 115C RISE, 220C INSULATION RATING |
| T-3 | 150KVA | ELEC 116 | 480Δ | 208Y/120V | HDP-D | |
| T-4 | 45KVA | ELEC 116 | 480Δ | 208Y/120V | HDP-D | 115C RISE, 220C INSULATION RATING |
| T-5 | 45KVA | ELEC 133 | 480Δ | 208Y/120V | HP-M1 | |
| T-EM1 | 15KVA | MECH 132 | 480Δ | 208Y/120V | HDP-EM | |
| T-FL1 | 30KVA | CORRIDOR CEILING | 480Δ | 208Y/120V | HDP-B | 115C RISE, 220C INSULATION RATING |
| T-FL2 | 30KVA | CORRIDOR CEILING | 480Δ | 208Y/120V | HDP-B | 115C RISE, 220C INSULATION RATING |
| T-FL3 | 30KVA | CORRIDOR CEILING | 480Δ | 208Y/120V | HDP-C | 115C RISE, 220C INSULATION RATING |


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10/31/2027
TRAUTMAN ASSOCIATES


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

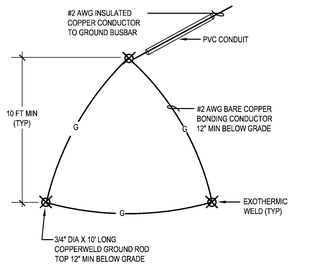
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

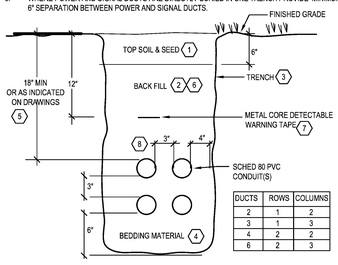
**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** SYMBOL LEGEND, DETAILS & SCHEDULES

**Sheet Number:** E001-2




1 GROUNDING COUNTERPOISE DETAIL

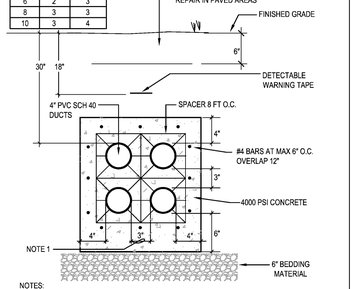
NOTES: (#)
1. MIN 6" TOPSOIL, SEED, AND MULCH IN LAWN AREAS, OR REFER TO PLAN FOR SURFACE REPAIR IN PAVED AREAS.
2. USE SUBBASE MATERIAL AT PAVED AREAS, SIDEWALKS, AND EXISTING UTILITIES. USE SATISFACTORY EXCAVATED MATERIAL ELSEWHERE.
3. PROVIDE TEMPORARY SHORING AS REQUIRED UNDER OSHA REGULATIONS.
4. PROVIDE CUSHION MATERIAL MIN 4" UNDER CONDUIT AND ON SIDES, AND 12" ABOVE CONDUIT.
5. INSTALL MIN 24" UNDER ROADWAY OR PARKING SURFACE.
6. COMPACT FILL AND BACKFILL TO 95% OF MAXIMUM DENSITY
7. INSTALL DETECTABLE WARNING TAPE AFTER FIRST COMPACTED FILL
8. WHERE POWER AND SIGNAL DUCTS ARE DIRECTLY BURIED IN ONE TRENCH PROVIDE MINIMUM 6" SEPARATION BETWEEN POWER AND SIGNAL DUCTS.




| DUCTS | ROWS | COLUMNS |
|---|---|---|
| 2 | 1 | 2 |
| 3 | 1 | 3 |
| 4 | 2 | 2 |
| 6 | 2 | 3 |

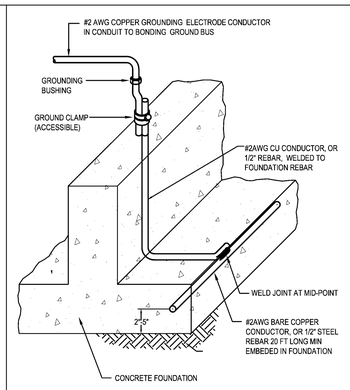
2 UNDERGROUND DUCTS DIRECT BURIED TYPICAL
(N.T.S.)

| DUCTS | ROWS | COLUMNS |
|---|---|---|
| 2 | 1 | 2 |
| 3 | 1 | 3 |
| 4 | 2 | 2 |
| 6 | 2 | 3 |
| 8 | 3 | 3 |
| 10 | 3 | 4 |

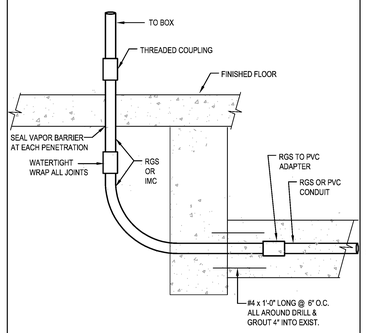



NOTES:
1. IF POWER AND SIGNAL DUCTS INSTALLED IN ONE CONCRETE ENCASED DUCT BANK PROVIDE MINIMUM 6" CONCRETE BETWEEN POWER AND SIGNAL DUCTS.

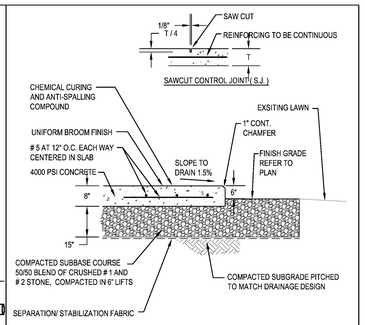
3 CONCRETE ENCASED UNDERGROUND DUCT BANK (TYPICAL)
(N.T.S.)




4 GROUNDING ELECTRODE DETAIL FOUNDATION EMBEDED
(N.T.S.)

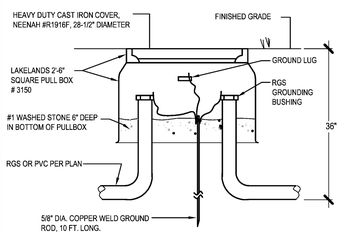



5 CONDUIT STUB-UP INSIDE BUILDING
(N.T.S.)

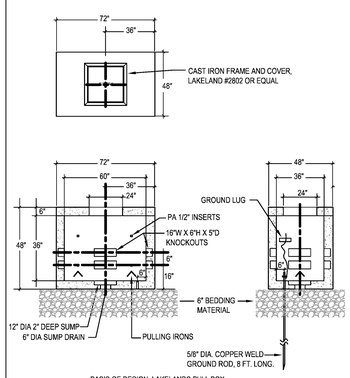



NOTES:
1. REFER TO PLAN FOR EXTENT OF PAD
2. PROVIDE SAWCUT CONTROL JOINTS 8FT O.C. OR AS OTHERWISW NOTED.
3. CONCRETE PAD SHALL BE DESIGNED BY LICENSED STRUCTURAL ENGINEER FOR SPECIFIC EQUIPMENT AND SITE.
4. THIS DETAIL IS FOR GENERIC PURPOSES. COORDINATE WITH EQUIPMENT USED AND SITE LOCATION, VERIFY DIMENSIONS.

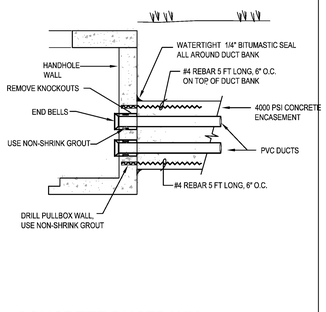
6 EQUIPMENT PAD DETAIL - TYPICAL
(N.T.S.)



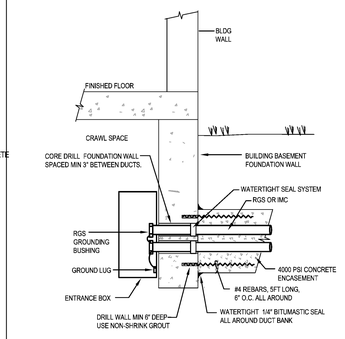

7 UNDERGROUND PULL BOX - TYPE A
(N.T.S.)



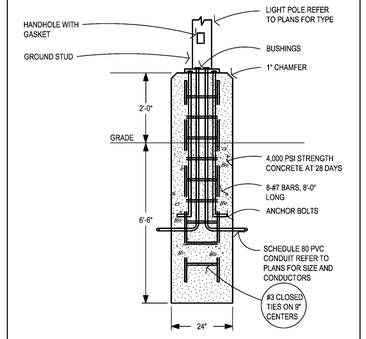

8 UNDERGROUND PULL BOX - TYPE B



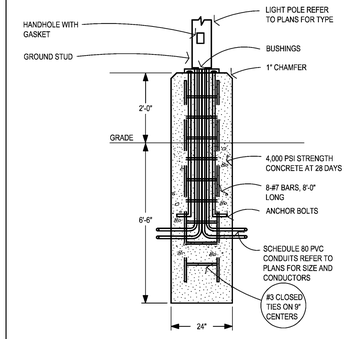

9 CONCRETE DUCTBANK CONNECTION TO PULLBOX



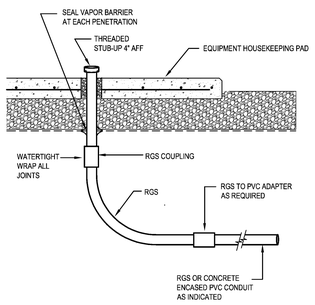

10 TYPICAL CONCRETE DUCTBANK CONNECTION TO EXISTING BUILDING
(N.T.S.)



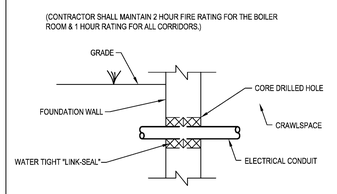

11 ROADWAY / PARKING AREA LIGHT POLE FOUNDATION DETAIL
(N.T.S.)



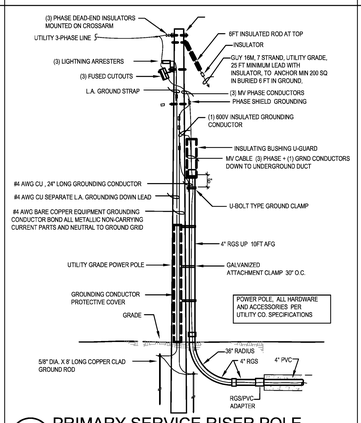

12 ROADWAY / PARKING AREA LIGHT W/ CAMERA POLE FOUNDATION DETAIL
(N.T.S.)



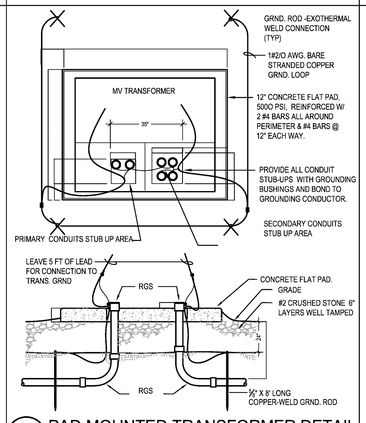

13 CONDUIT STUB-UP DETAIL - TYPICAL
(N.T.S.)




14 TYPICAL CONDUIT PENETRATION THROUGH FOUNDATION WALL
(N.T.S.)




15 PRIMARY SERVICE RISER POLE
(N.T.S.)




16 PAD MOUNTED TRANSFORMER DETAIL
(N.T.S.)


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

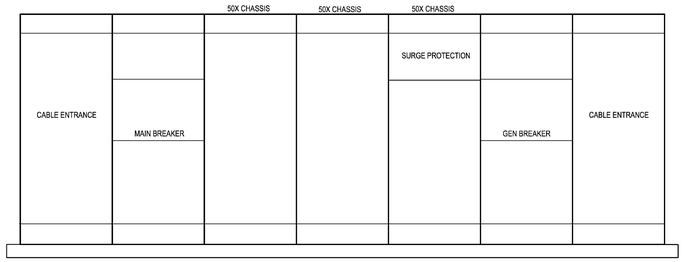
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

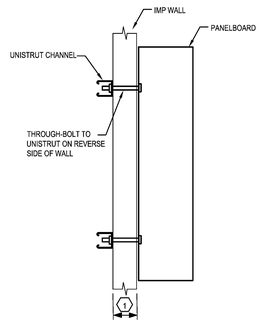
**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** ELECTRICAL DETAILS

**Sheet Number:** E002-2

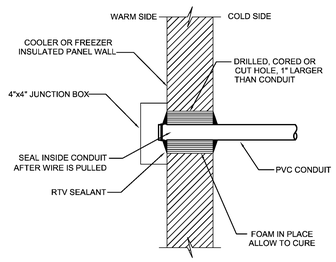



1 480V SERVICE SWITCHBOARD
(N.T.S.)

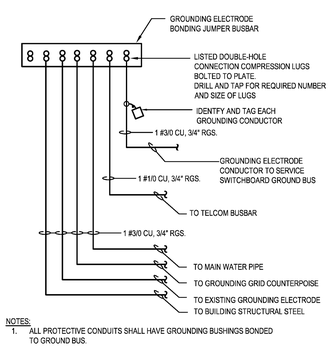
NOTES: (#)
1. WALL THICKNESS PER ARCHITECTURAL DRAWINGS




2 PANELBOARD MOUNTING ON IMP WALL
(N.T.S.)

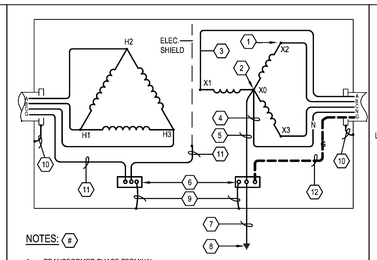



3 COOLER/FREEZER CONDUIT PENETRATION DETAIL
(N.T.S.)



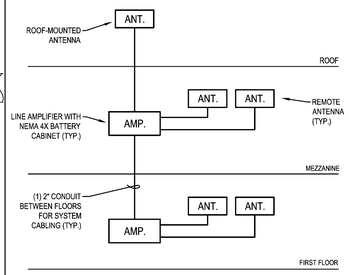

NOTES:
1. ALL PROTECTIVE CONDUITS SHALL HAVE GROUNDING BUSHINGS BONDED TO GROUND BUS.

4 SERVICE GROUNDING DETAIL
(N.T.S.)




NOTES: (#)
1. TRANSFORMER PHASE TERMINAL
2. TRANSFROMER NEUTRAL TERMINAL.
3. PHASE CONDUCTOR.
4. NEUTRAL (GROUNDED ) CONDUCTOR
5. SYSTEM BONDING JUMPER (SBJ), MADE OF BUS OR WIRE. SIZE PER NEC TABLE 250.102(C)(1)
6. TRANSFORMER GROUND BUS (LUG)
7. GROUNDING ELECTRODE CONDUCTOR (GEC), SIZE PER NEC TABLE 250.66.
8. GROUNDING ELECTRODE (GRID).
9. ENCLOSURE BONDING JUMPER.
10. RACEWAY BONDING JUMPER
11. EQUIPMENT GROUNDING CONDUCTOR.
12. MAIN (SUPPLY SIDE) BONDING JUMPER (IF USED), SIZE PER NEC TABLE 250.102(C)(1).
13. ELECTROSTATIC SHIELD BONDING JUMPER (IF EQUIPPED).

5 TRANSFORMER GROUNDING DETAIL
(N.T.S.)




NOTES:
1. FINAL LOCATIONS AND QUANTITIES OF SYSTEM COMPONENTS TO BE DETERMINED BY SYSTEM VENDOR/ INSTALLER
2. SYSTEM FREQUENCIES TO BE VERIFIED WITH LOCAL EMERGENCY RESPONSE DEPARTMENTS.

6 DISTRIBUTED ANTENNA SYSTEM
(N.T.S.)

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10/31/2027
TRAUTMAN ASSOCIATES

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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

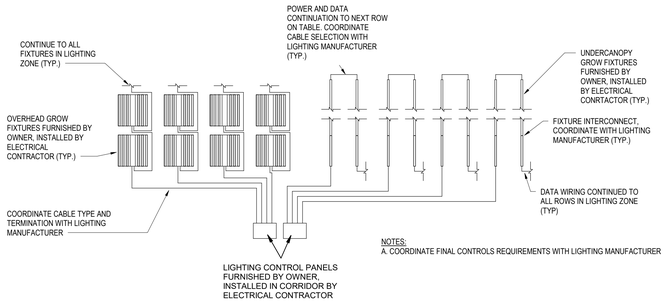
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

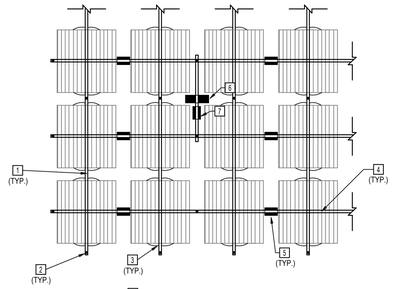
**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** ELECTRICAL DETAILS

**Sheet Number:** E003




NOTES:
A. COORDINATE FINAL CONTROLS REQUIREMENTS WITH LIGHTING MANUFACTURER

## 1 GROW LIGHTING CONTROL WIRING
NOT TO SCALE




NOTE 6:
1. UNISTRUT CHANNEL
2. THREADED ROD TO STRUCTURE ABOVE
3. FIXTURES SUSPENDED FROM UNISTRUT GRID
4. CROSS BRACING UNISTRUT INSTALLED BELOW PERPENDICULAR UNISTRUT
5. NEMA L7-20R RECEPTACLE FOR (2) GROW FIXTURES
6. HORIZONTAL AIR FLOW FANS FIRMLY MOUNTED TO UNISTRUT GRID. COORDINATE LOCATIONS WITH OWNER.
7. NEMA L5-20R RECEPTACLE FOR HORIZONTAL AIRFLOW FAN.

## 2 GROW LIGHTING MOUNTING
NOT TO SCALE

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10/31/2027
TRAUTMAN ASSOCIATES

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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** GROW LIGHTING ELECTRICAL DETAILS

**Sheet Number:** E004

## MECHANICAL EQUIPMENT CONNECTION SCHEDULE

| EQUIP. NO. | EQUIPMENT DESCRIPTION | LOCATION | VOLTAGE | PHASE | AMPS | WIRE SIZE | GND SIZE | CONDUIT SIZE | PANEL | CIRCUIT BREAKER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-1A | 40-TON AHU - FLOWER 1 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM1 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-1B | 40-TON AHU - FLOWER 1 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM1 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-2A | 40-TON AHU - FLOWER 2 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM2 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-2B | 40-TON AHU - FLOWER 2 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM2 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-3A | 40-TON AHU - FLOWER 3 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM3 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-3B | 40-TON AHU - FLOWER 3 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM3 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-4A | 40-TON AHU - FLOWER 4 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM1 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-4B | 40-TON AHU - FLOWER 4 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM1 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-5A | 40-TON AHU - FLOWER 5 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM2 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-5B | 40-TON AHU - FLOWER 5 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM2 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-6A | 40-TON AHU - FLOWER 6 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM3 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-6B | 40-TON AHU - FLOWER 6 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM3 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-7A | 40-TON AHU - FLOWER 7 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM4 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-7B | 40-TON AHU - FLOWER 7 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM4 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-8A | 40-TON AHU - FLOWER 8 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM4 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-8B | 40-TON AHU - FLOWER 8 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM4 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-9A | 40-TON AHU - FLOWER 9 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM5 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-9B | 40-TON AHU - FLOWER 9 | ROOF | 480 | 3 | 157.2 | #2/0 AWG | #6 AWG | 2" | HP-PM5 | 3P175A | INTEGRATED DISCONNECT AND GFCI RECEPTACLE |
| AHU-10A | 9-TON AHU - VEG 1 | ROOF | 480 | 3 | 55 | #4 AWG | #10 AWG | 1-1/4" | HP-PM5 | 3P60A | INTEGRATED DISCONNECT |
| AHU-10B | 9-TON AHU - VEG 1 | ROOF | 480 | 3 | 55 | #4 AWG | #10 AWG | 1-1/4" | HP-PM5 | 3P60A | INTEGRATED DISCONNECT |
| AHU-11A | 9-TON AHU - VEG 2 | ROOF | 480 | 3 | 55 | #4 AWG | #10 AWG | 1-1/4" | HP-PM3 | 3P60A | INTEGRATED DISCONNECT |
| AHU-11B | 9-TON AHU - VEG 2 | ROOF | 480 | 3 | 55 | #4 AWG | #10 AWG | 1-1/4" | HP-PM3 | 3P60A | INTEGRATED DISCONNECT |
| AHU-12 | 7 TON AHU - CULT/CORR | ROOF | 480 | 3 | 26 | #10 AWG | #10 AWG | 3/4" | HP-PM5 | 3P35A | INTEGRATED DISCONNECT |
| AHU-13 | 15 TON AHU - RECV/MAINT | ROOF | 480 | 3 | 48 | #6 AWG | #10 AWG | 1" | HP-PM5 | 3P60A | INTEGRATED DISCONNECT |
| AHU-14 | 7 TON AHU - DIST/INV | ROOF | 480 | 3 | 26 | #10 AWG | #10 AWG | 3/4" | HP-PM4 | 3P35A | INTEGRATED DISCONNECT |
| AHU-15 | 13 TON AHU - PACKAGING | ROOF | 480 | 3 | 44 | #6 AWG | #10 AWG | 1" | HP-PM6 | 3P50A | INTEGRATED DISCONNECT |
| AHU-16A | 10 TON AHU - DRY | ROOF | 480 | 3 | 12 | #12 AWG | #12 AWG | 3/4" | HP-PM6 | 3P15A | INTEGRATED DISCONNECT |
| AHU-16B | 10 TON AHU - DRY | ROOF | 480 | 3 | 12 | #12 AWG | #12 AWG | 3/4" | HP-PM6 | 3P15A | INTEGRATED DISCONNECT |
| AHU-16C | 10 TON AHU - DRY | ROOF | 480 | 3 | 12 | #12 AWG | #12AWG | 3/4" | HP-PM6 | 3P15A | INTEGRATED DISCONNECT |
| AHU-16D | 10 TON AHU - DRY | ROOF | 480 | 3 | 12 | #12 AWG | #12 AWG | 3/4" | HP-PM6 | 3P15A | INTEGRATED DISCONNECT |
| AHU-16E | 10 TON AHU - DRY | ROOF | 480 | 3 | 12 | #12 AWG | #12 AWG | 3/4" | HP-PM6 | 3P15A | INTEGRATED DISCONNECT |
| AHU-16F | 10 TON AHU - DRY | ROOF | 480 | 3 | 12 | #12 AWG | #12 AWG | 3/4" | HP-PM6 | 3P15A | INTEGRATED DISCONNECT |
| AHU-17 | 9 TON AHU - BUCK/TRIM | ROOF | 480 | 3 | 36 | #8 AWG | #10 AWG | 3/4" | HP-PM6 | 3P45A | INTEGRATED DISCONNECT |
| AHU-18 | 11 TON AHU - OFFICE | ROOF | 480 | 3 | 32 | #8 AWG | #10 AWG | 3/4" | HP-M2 | 3P35A | INTEGRATED DISCONNECT |
| AHU-19 | 10 TON AHU - OFFICE | ROOF | 480 | 3 | 30 | #10 AWG | #10 AWG | 3/4" | HP-M2 | 3P40A | INTEGRATED DISCONNECT |
| AHU-20 | 8 TON AHU - OFFICE | ROOF | 480 | 3 | 26 | #10 AWG | #10 AWG | 3/4" | HP-M2 | 3P35A | INTEGRATED DISCONNECT |
| EF-1 | CO2 PURGE - FLOWER 1 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM1 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-2 | CO2 PURGE - FLOWER 2 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM2 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-3 | CO2 PURGE - FLOWER 3 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM3 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-4 | CO2 PURGE - FLOWER 4 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM1 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-5 | CO2 PURGE - FLOWER 5 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM2 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-6 | CO2 PURGE - FLOWER 6 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM3 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-7 | CO2 PURGE - FLOWER 7 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM4 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-8 | CO2 PURGE - FLOWER 8 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM4 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-9 | CO2 PURGE - FLOWER 9 | ROOF | 480 | 3 | 2.6 | #12 AWG | #12 AWG | 3/4" | HP-PM5 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-10 | CO2 PURGE - VEG 1 | ROOF | 480 | 3 | 1.4 | #12 AWG | #12 AWG | 3/4" | HP-PM5 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-11 | CO2 PURGE - VEG 2 | ROOF | 480 | 3 | 1.4 | #12 AWG | #12 AWG | 3/4" | HP-PM5 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| EF-12 | MECH ROOM EXHAUST | ROOF | 208 | 1 | 1.9 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 2P15A | PROVIDE 2P15A NEMA 3R DISCONNECT |
| EF-13 | TOILETS EXHAUST | ROOF | 208 | 1 | 1.9 | #12 AWG | #12 AWG | 3/4" | LP-P3 | 2P15A | PROVIDE 2P15A NEMA 3R DISCONNECT |
| EF-14 | OFFICE EXHAUST | ROOF | 208 | 1 | 1.9 | #12 AWG | #12 AWG | 3/4" | LP-P3 | 2P15A | PROVIDE 2P15A NEMA 3R DISCONNECT |
| EF-15 | UNISEX RESTROOM EX. | ROOF | 208 | 1 | 1.5 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 2P15A | PROVIDE 2P15A NEMA 3R DISCONNECT |
| EF-16a | CEILING VENTILATION | CEILING | 208 | 3 | 16.7 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 3P35A | PROVIDE 3P35A NEMA 3R DISCONNECT |
| EF-16b | CEILING VENTILATION | CEILING | 208 | 3 | 16.7 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 3P35A | PROVIDE 3P35A NEMA 3R DISCONNECT |
| EF-17 | GRIND ROOM EXHAUST | ROOF | 480 | 3 | 1.1 | #12 AWG | #12 AWG | 3/4" | HP-PM6 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| ACC-1 | NURSERY SPLIT SYSTEM | ROOF | 480 | 3 | 13 | #10 AWG | #10 AWG | 3/4" | HP-PM3 | 3P25A | PROVIDE 3P25A NEMA 3R DISCONNECT |
| ACC-2 | NURSERY SPLIT SYSTEM | ROOF | 480 | 3 | 13 | #10 AWG | #10 AWG | 3/4" | HP-PM3 | 3P25A | PROVIDE 3P25A NEMA 3R DISCONNECT |
| ACC-3 | IT ROOM SPLIT SYSTEM | ROOF | 480 | 3 | 13 | #10 AWG | #10 AWG | 3/4" | HP-M2 | 3P25A | PROVIDE 3P25A NEMA 3R DISCONNECT |
| ACC-4 | IT ROOM SPLIT SYSTEM | ROOF | 480 | 3 | 13 | #10 AWG | #10 AWG | 3/4" | HP-M2 | 3P25A | PROVIDE 3P25A NEMA 3R DISCONNECT |
| ACC-5 | ELEC SPLIT SYSTEM | ROOF | 480 | 3 | 13 | #10 AWG | #10 AWG | 3/4" | HP-M2 | 3P25A | PROVIDE 3P25A NEMA 3R DISCONNECT |
| ACC-6A | WIC SPLIT SYSTEM | ROOF | 480 | 3 | - | #10 AWG | #10 AWG | 3/4" | HP-PM4 | 3P40A | PROVIDE 3P40A NEMA 3R DISCONNECT |
| ACC-6B | WIC SPLIT SYSTEM | ROOF | 480 | 3 | - | #10 AWG | #10 AWG | 3/4" | HP-PM4 | 3P40A | PROVIDE 3P40A NEMA 3R DISCONNECT |
| ACC-7A | WIF SPLIT SYSTEM | ROOF | 480 | 3 | - | #10 AWG | #10 AWG | 3/4" | HP-PM4 | 3P40A | PROVIDE 3P40A NEMA 3R DISCONNECT |
| ACC-7B | WIF SPLIT SYSTEM | ROOF | 480 | 3 | - | #10 AWG | #10 AWG | 3/4" | HP-PM4 | 3P40A | PROVIDE 3P40A NEMA 3R DISCONNECT |
| FCU-6A | WIC FAN COIL | COLD STORAGE 129A | 208 | 3 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| FCU-6B | WIC FAN COIL | COLD STORAGE 129A | 208 | 3 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| FCU-7A | WIF FAN COIL | WIF 129B | 208 | 3 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |
| FCU-7C | WIF FAN COIL | WIF129B | 208 | 3 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 3P15A | PROVIDE 3P15A NEMA 3R DISCONNECT |

## MECHANICAL EQUIPMENT CONNECTION SCHEDULE CONT.

| EQUIP. NO. | EQUIPMENT DESCRIPTION | LOCATION | VOLTAGE | PHASE | AMPS | WIRE SIZE | GND SIZE | CONDUIT SIZE | PANEL | CIRCUIT BREAKER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VAV-1 | FACILITIES VAV | FACILITIES SHOP | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | INTEGRATED DISCONNECT |
| VAV-2 | OFFICE 129C VAV | OFFICE 129C | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | INTEGRATED DISCONNECT |
| VAV-3 | OFFICE - 126 | OFFICE - 126 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G1 | 1P15A | INTEGRATED DISCONNECT |
| VAV-4 | CART FILL 125 VAV | CART FILL 125 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G1 | 1P15A | INTEGRATED DISCONNECT |
| VAV-5 | PRE-ROLL VAV | PRE-ROLL CART FILLING - 124 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G1 | 1P15A | INTEGRATED DISCONNECT |
| VAV-6 | OFFICE - 108B VAV | OFFICE - 108B | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-7 | OFFICE - 108C VAV | OFFICE - 108C | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-8 | OFFICE - 108D VAV | OFFICE - 108D | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-9 | OFFICE - 108E VAV | OFFICE - 108E | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-10 | OFFICE - 108F VAV | OFFICE - 108F | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-11 | CONF ROOM VAV | CONF ROOM - 108G | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-12 | BREAK ROOM VAV | BREAK ROOM | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| VAV-13 | CULT. OFFICE VAV | CULTIVATION OFFICE | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | INTEGRATED DISCONNECT |
| VAV-14 | OPEN OFFICE - 108 VAV | OPEN OFFICE - 108 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | INTEGRATED DISCONNECT |
| CUH-1 | UNIT HEATER | MECH 133 | 120 | 1 | .58 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| CUH-2 | UNIT HEATER | CORRIDOR C-05 | 120 | 1 | .58 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| CUH-3 | UNIT HEATER | CORRIDOR C-05 | 120 | 1 | .58 | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| CUH-4 | UNIT HEATER | CORRIDOR C-04 | 120 | 1 | .58 | #12 AWG | #12 AWG | 3/4" | LP-G1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| CUH-5 | UNIT HEATER | VESTIBULE 101 | 120 | 1 | .58 | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| CUH-6 | UNIT HEATER | SPRINKLER 108H | 120 | 1 | .58 | #12 AWG | #12 AWG | 3/4" | LP-G2 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| CA-1A | AIR COMPRESSOR | MECH 133 | 480 | 3 | 10HP | #12 AWG | #12 AWG | 3/4" | HP-M1 | 3P15A | PROVIDE 3P15A NF DISCONNECT |
| CA-1B | AIR COMPRESSOR | MECH 133 | 480 | 3 | 10HP | #12 AWG | #12 AWG | 3/4" | HP-M1 | 3P15A | PROVIDE 3P15A NF DISCONNECT |
| PR-1A | RECIRC PUMP | MECH 133 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| PR-1B | RECIRC PUMP | MECH 133 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |
| P-1A | HOT WATER PUMP | MECH 133 | 480 | 3 | 2HP | #12 AWG | #12 AWG | 3/4" | HP-M1 | 3P15A | PROVIDE 3P15A NF DISCONNECT |
| P-1B | HOT WATER PUMP | MECH 133 | 480 | 3 | 2HP | #12 AWG | #12 AWG | 3/4" | HP-M1 | 3P15A | PROVIDE 3P15A NF DISCONNECT |
| B-1 | BOILER | MECH 133 | 120 | 1 | - | #12 AWG | #12 AWG | 3/4" | LP-M1 | 1P15A | PROVIDE 1P15A TOGGLE DISCONNECT |


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

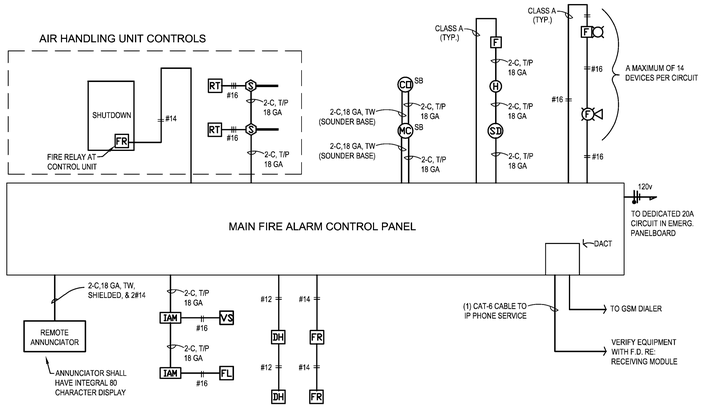
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** MECHANICAL EQUIPMENT CONNECTION SCHEDULE

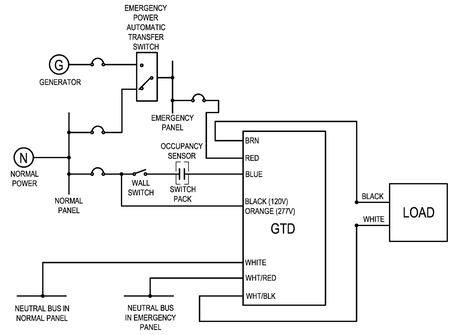
**Sheet Number:** E005



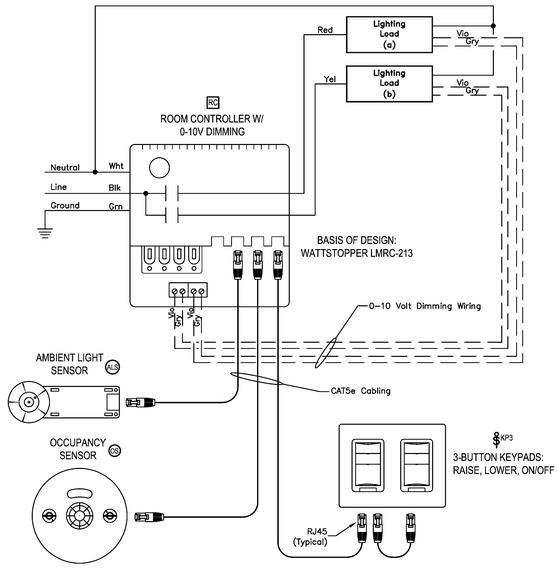

1 PARTIAL FIRE ALARM RISER DIAGRAM

NOTE:

THIS RISER DIAGRAM REPRESENTS WIRING REQUIREMENTS FOR VARIOUS TYPES OF FIRE ALARM CIRCUITS WHICH MAY OR MAY NOT BE A PART OF THIS PROJECT. IT IS NOT THE INTENT OF THIS DIAGRAM TO DEPICT ALL OF THE DEVICES OR CIRCUITS IN THIS PROJECT. IT IS INTENDED SOLELY TO ASSIST THE CONTRACTOR IN DETERMINING THE WIRING REQUIREMENTS FOR SPECIFIC TYPES OF DEVICES OR FOR THE INTERCONNECTING OF ANCILLARY SYSTEMS.

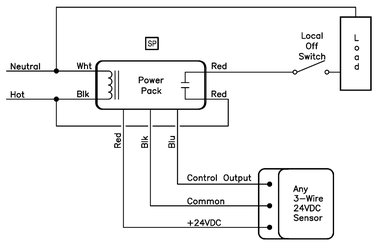



2 EMERGENCY LIGHTING WIRING DIAGRAM



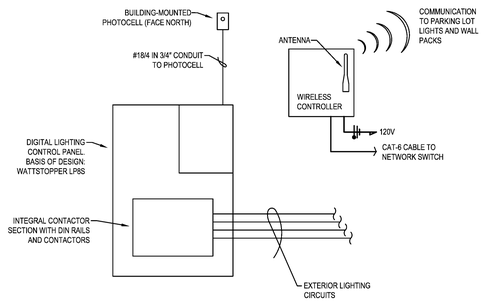

NOTES:
A. CONFIGURE FOR AUTOMATIC ON OPERATION AT 50% BRIGHTNESS
B. PROVIDE KEYPADS AND SENSORS PER DRAWINGS
C. ROOM CONTROLLERS TO BE LOCATED ABOVE ACCESSIBLE CEILINGS
D. PROVIDE LABELS ON COVERPLATES AND BUTTONS INDICATING FUNCTION AND FIXTURES CONTROLLED

3 LIGHTING CONTROLLER WIRING DIAGRAM
NTS

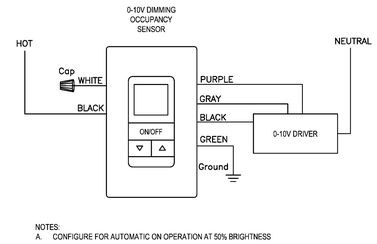



NOTES:
A. CONFIGURE FOR AUTOMATIC ON OPERATION
B. TYPICAL FOR RESTROOMS, STORAGE ROOMS AND SPACES WHERE DIMMING IS NOT REQUIRED
C. POWER PACKS TO BE LOCATED ABOVE ACCESSIBLE CEILINGS

4 LIGHTING CONTROL WIRING DIAGRAM
(N.T.S.)




5 EXTERIOR LIGHTING CONTROL DETAIL
(N.T.S.)




NOTES:
A. CONFIGURE FOR AUTOMATIC ON OPERATION AT 50% BRIGHTNESS

6 OCCUPANCY SENSOR WITH 0-10V DIMMING
(N.T.S.)

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**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

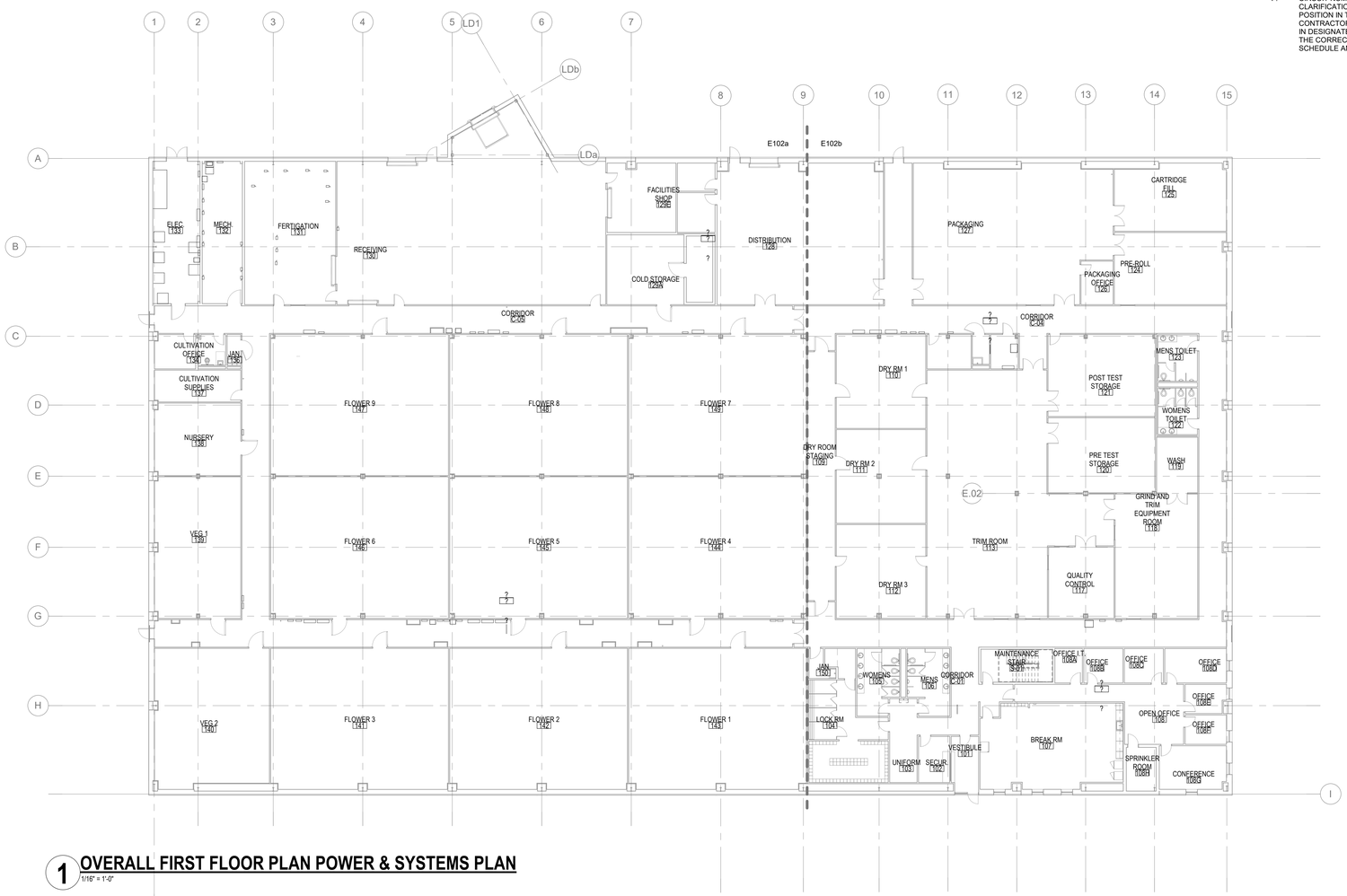
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** LIGHTING CONTROL DETAILS

**Sheet Number:** E006

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING; THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.
C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.
D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM
F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.




## 1 OVERALL FIRST FLOOR PLAN POWER & SYSTEMS PLAN

1/16" = 1'-0"


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**Project:** Alden Green House

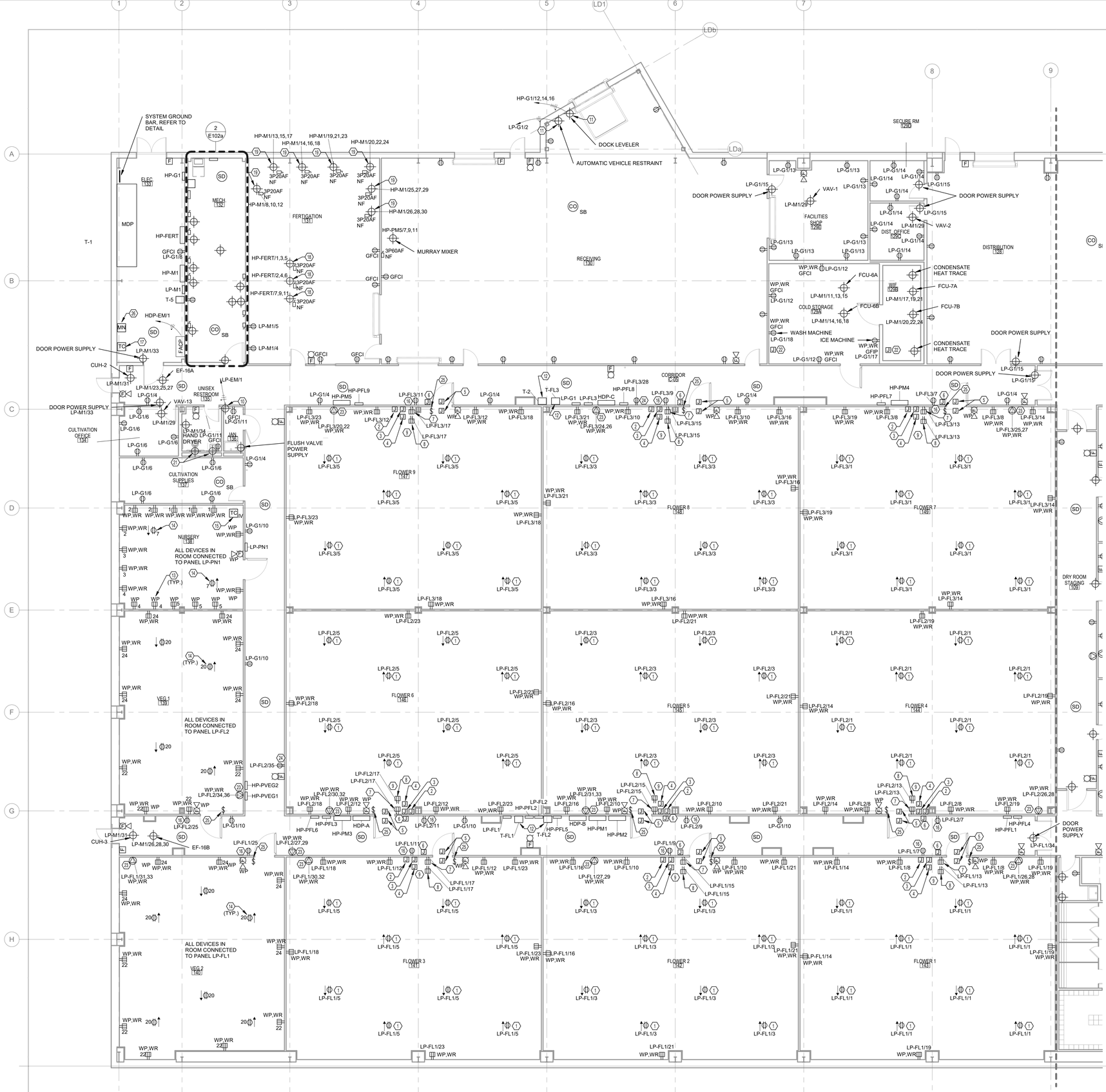
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL FIRST FLOOR POWER & SYSTEMS PLAN

**Sheet Number:** E102




## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING; THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.
C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.
D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM
F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.

## ELECTRICAL DRAWING NOTES:

1. CEILING MOUNTED RECEPTACLE WITH NEMA 4X IN USE COVER FOR HORIZONTAL FANS. MOUNT RECEPTACLE ON UNISTRUT. SUSPEND FAN FROM UNISTRUT. FANS ARE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. ARROW INDICATES AIRFLOW DIRECTION. COORDINATE EXACT LOCATION WITH OWNER
2. RELAY FOR CO2 GAS SYSTEM, FURNISHED BY OWNER.
3. CO2 GAS SAFETY MONITOR, FURNISHED BY OWNER.
4. CO2 CONTROLS, FURNISHED BY OWNER.
5. CO2 HORN/STROBE ALARM, FURNISHED BY OWNER.
6. CO2 SENSOR REMOTE DISPLAY, FURNISHED BY OWNER.
7. WR GFCI RECEPTACLE WITH NEMA 4X IN USE COVER MOUNTED AT 12" AFF FOR CO2 GAS SAFETY MONITOR AND RELAY. COORDINATE REQUIREMENTS WITH CO2 EQUIPMENT VENDOR.
8. WR GFCI RECEPTACLE WITH NEMA 4X IN USE COVER FOR CO2 CONTROLS. CONTROLS FURNISHED BY OWNER. COORDINATE LOCATION AND MOUNTING HEIGHT WITH OWNER.
9. COORDINATE REQUIREMENTS FOR CO2 CONTROLS, MONITORING, AND ALARM SYSTEMS WITH CO2 EQUIPMENT VENDOR.
10. PROVISION FOR EMERGENCY RESPONDER RADIO REPEATER. SYSTEM LAYOUT BY ELECTRICAL CONTRACTOR, RELOCATE POWER HITS AS REQUIRED. PROVIDE REQUIRED POWER CONNECTION AND COMMUNICATIONS CABLING.
11. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS. COORDINATE ELECTRICAL REQUIREMENTS WITH MANUFACTURER.
12. SUSPEND TRANSFORMER FROM BUILDING STRUCTURE, LOCATE ABOVE ACCESSIBLE CEILING.
13. DUPLEX WEATHER RESISTANT GFCI RECEPTACLE WITH NEMA 4X IN USE COVER FOR CLONE LIGHTS. (12) 18 WATT FIXTURES PER RACK. EACH RACK HAS (4) TIERS WITH (3) LIGHTS PER TIER. LIGHTS ARE OWNER SUPPLIED AND CONTRACTOR INSTALLED. COORDINATE NUMBER OF RACKS WITH OWNER.
14. DUPLEX WEATHER-RESISTANT CEILING RECEPTACLE WITH NEMA 4X IN USE COVER FOR HORIZONTAL FANS. SUSPEND FAN USING UNISTRUT, MOUNT RECEPTACLE TO UNISTRUT. COORDINATE MOUNTING HEIGHT WITH OWNER. FANS ARE OWNER PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE LOCATION WITH OWNER.
15. PROVIDE TIMECLOCKS FOR CONTROL OF GROW LIGHTING RECEPTACLES. COORDINATE NUMBER OF TIMECLOCKS WITH NUMBER OF GROW LIGHTING CIRCUITS.
16. POWER FOR LIGHTING CONTROLLER. COORDINATE LOCATION WITH OWNER.
17. TIMECLOCK FOR EXTERIOR LIGHTING.
18. POWER CONNECTION FOR OWNER PROVIDED NETAFLEX FERTIGATION UNIT. PROVIDE 500W CABLE DROP FROM CEILING. PROVIDE STRAIN RELIEF AT CEILING JUNCTION BOX. COORDINATE POWER REQUIREMENTS AND BREAKER SIZE WITH EQUIPMENT MANUFACTURER.
19. PROVIDE WEATHER RESISTANT NEMA L6-20R RECEPTACLE WITH WEATHER PROOF IN USE COVER FOR PORTABLE PACKAGED ODOR CONTROL UNIT.
20. 10HP AIR COMPRESSOR. COORDINATE POWER REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
21. SMARTFOG POWER. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
22. FLUSH VALVE POWER SUPPLY. PROVIDE 3/4" CONDUIT TO POWER SUPPLY IN NEAREST JANITOR CLOSET.
23. HIGH TEMPERATURE ALARM CONTACT. PROVIDE 3/4" CONDUIT TO ACCESS CONTROL PANEL IN OFFICE I.T. ROOM. COORDINATE LOCATION WITH COOLER/FREEZER EQUIPMENT.
24. PROVIDE WEATHER RESISTANT NEMA L6-20R RECEPTACLE WITH WEATHER PROOF IN USE COVER FOR PORTABLE PACKAGED ODOR CONTROL UNIT.
25. PROVIDE WEATHERPROOF SWITCH. CONNECT SWITCH TO HORIZONTAL AIRFLOW FAN CIRCUIT.
26. WIRELESS MESH NETWORK CONTROL HUB FOR SITE LIGHTING.


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**Project:** Alden Green House

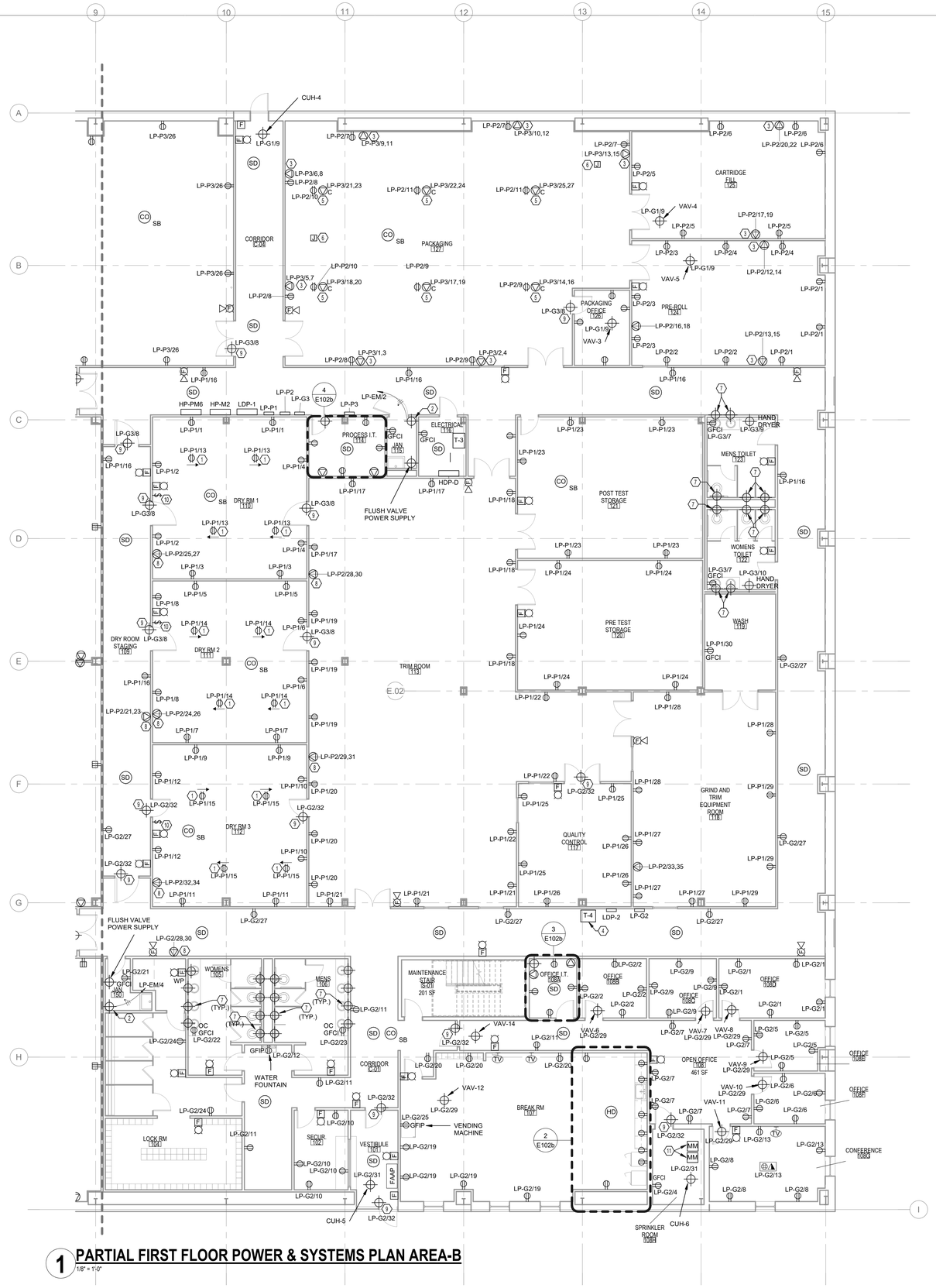
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN AREA-A

**Sheet Number:** E102a




## 1 PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN AREA-B

1/8" = 1'-0"

## ELECTRICAL DRAWING NOTES :

1. CEILING MOUNTED RECEPTACLE FOR HORIZONTAL FANS. MOUNT RECEPTACLE ON UNISTRUT. SUSPEND FAN FROM UNISTRUT. FANS ARE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. ARROW INDICATES AIRFLOW DIRECTION. COORDINATE EXACT LOCATION WITH OWNER
2. PROVISION FOR EMERGENCY RESPONDER RADIO REPEATER. SYSTEM LAYOUT BY ELECTRICAL CONTRACTOR. RELOCATE POWER HITS AS REQUIRED. PROVIDE REQUIRED POWER CONNECTION AND COMMUNICATIONS CABLING.
3. NEMA L6-30R RECEPTACLE.
4. SUSPEND TRANSFORMER FROM BUILDING STRUCTURE, LOCATE ABOVE ACCESSIBLE CEILING.
5. PROVIDE (1) CEILING MOUNTED CORD REEL WITH NEMA L6-30R RECEPTACLE AND (1) CEILING MOUNTED CORD REEL WITH NEMA L5-20R RECEPTACLE.
6. PROVIDE CEILING MOUNTED JUNCTION BOX WITH 1" CONDUIT TO PANEL HDP-D.
7. FLUSH VALVE POWER SUPPLY. PROVIDE 3/4" CONDUIT TO POWER SUPPLY IN NEAREST JANITOR CLOSET.
8. PROVIDE WEATHER RESISTANT NEMA L6-20R RECEPTACLE WITH WEATHER PROOF IN USE COVER FOR PORTABLE PACKAGED ODOR CONTROL UNIT.
9. DOOR POWER SUPPLY. COORDINATE REQUIREMENTS WITH DOOR HARDWARE.
10. CONNECT SWITCH TO HORIZONTAL AIRFLOW FAN CIRCUIT.
11. PROVIDE FIRE ALARM MONITOR MODULES FOR SPRINKLER TAMPER AND FLOW SWITCHES. COORDINATE REQUIREMENTS WITH FIRE PROTECTION INSTALLER.

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING; THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.

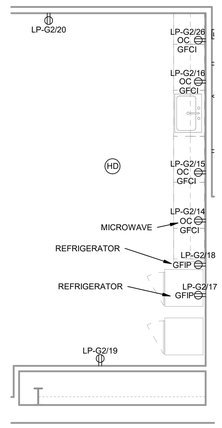
B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.

C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.

D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.

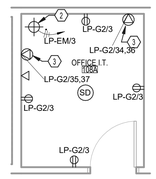
E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM

F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.



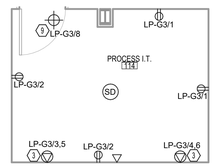

## 2 PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN - KITCHENETTE

1/4" = 1'-0"




## 3 PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN - OFFICE IT

1/4" = 1'-0"




## 4 PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN - PROCESS IT

1/4" = 1'-0"


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**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR POWER & SYSTEMS PLAN AREA-B

**Sheet Number:** E102b

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING: THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.

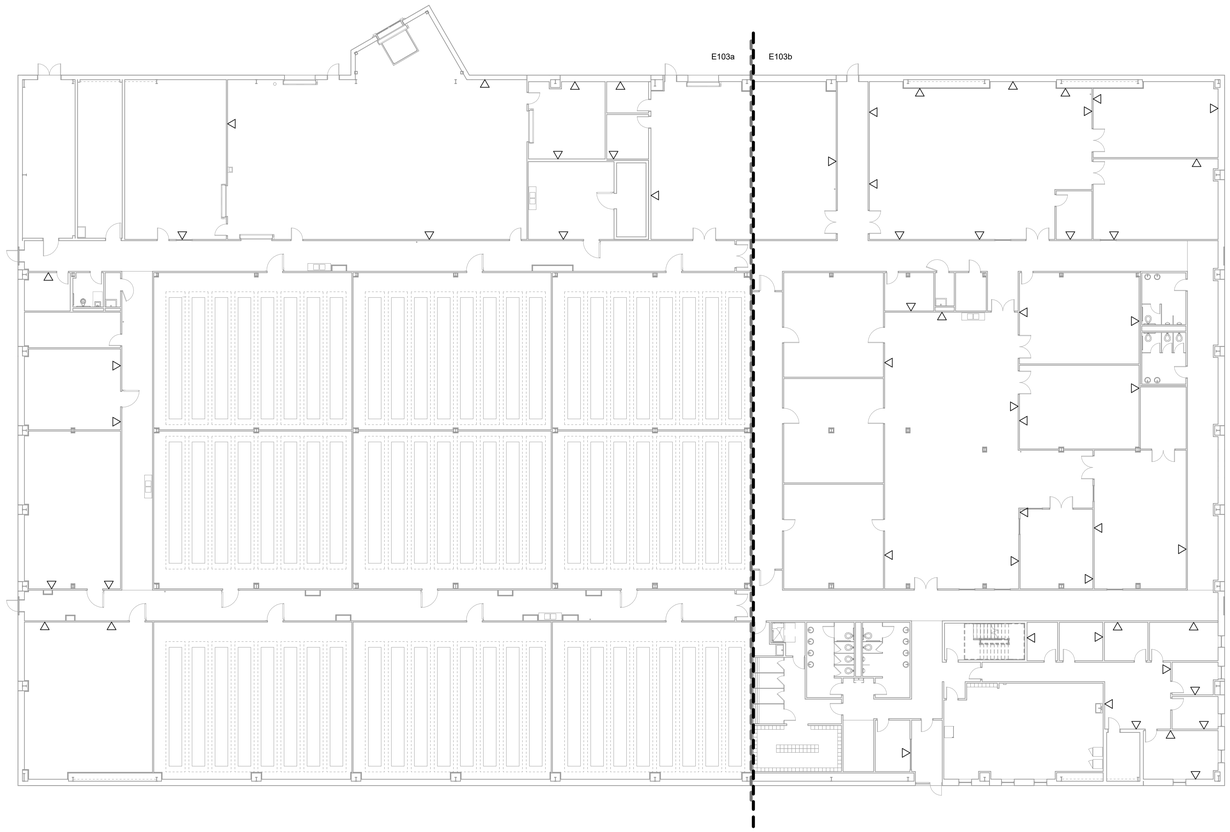
B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.

C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.

D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.

E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM

F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.




## 1 OVERALL FIRST FLOOR PLAN COMMUNICATIONS & SECURITY

1/16" = 1'-0"

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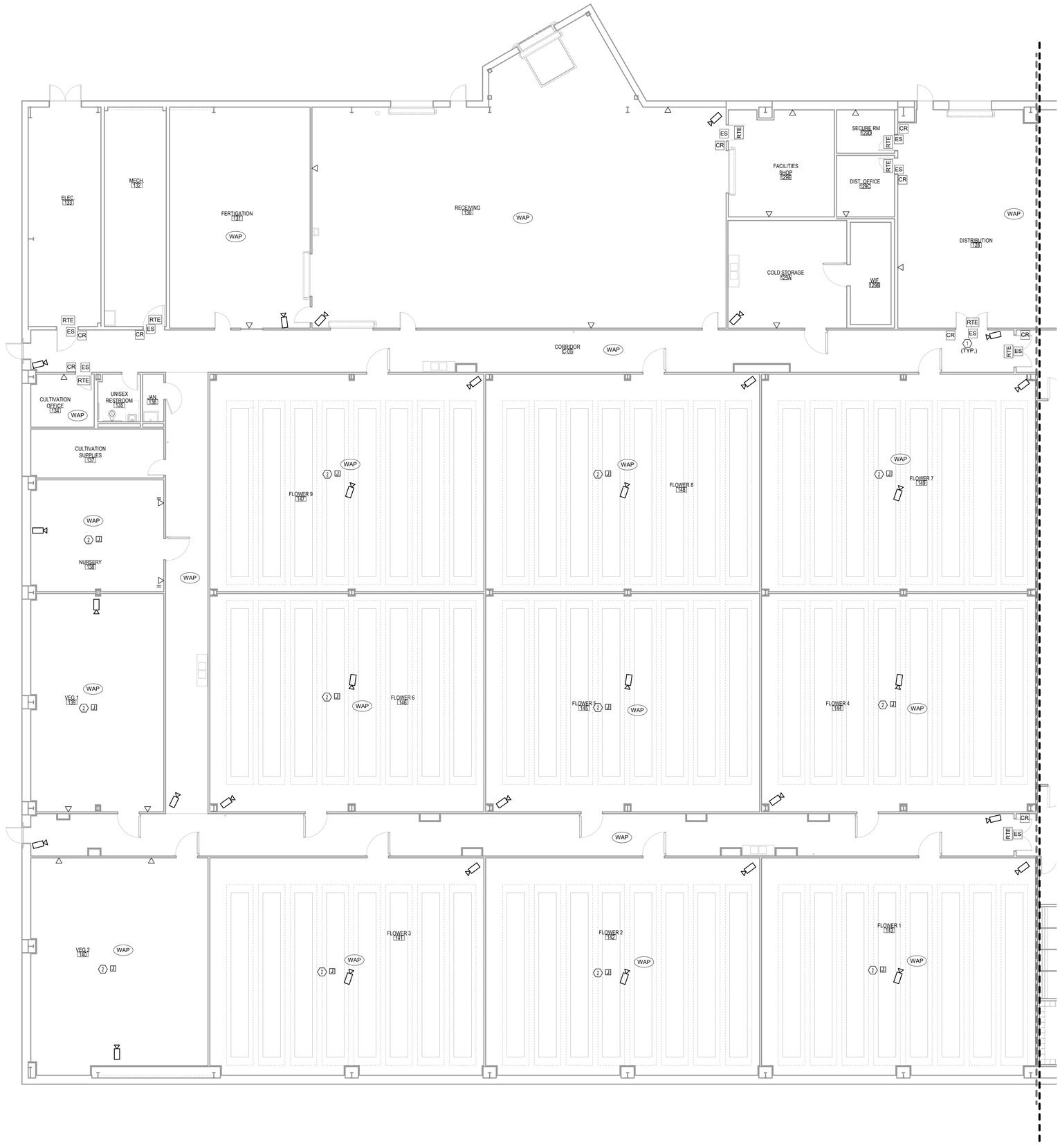
**Project Address:** 11580 Walden Ave

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| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL FIRST FLOOR COMMUNICATIONS & SECURITY PLAN

**Sheet Number:** E103




## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING, THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.
C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.
D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM
F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.

## ELECTRICAL DRAWING NOTES (E):

1. PROVISION FOR ACCESS CONTROLS. COORDINATE REQUIREMENTS WITH ACCESS CONTROLS INSTALLER AND DOOR HARDWARE.
2. PRIVA ENVIRONMENTAL SENSOR CONNECTION. PROVIDE 1" CONDUIT BACK TO PROCESS I.T. ROOM. COORDINATE REQUIREMENTS WITH PRIVA INSTALLER.

## 1 PARTIAL FIRST FLOOR PLAN COMMUNICATIONS & SECURITY PLAN AREA-A

1/8" = 1'-0"

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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

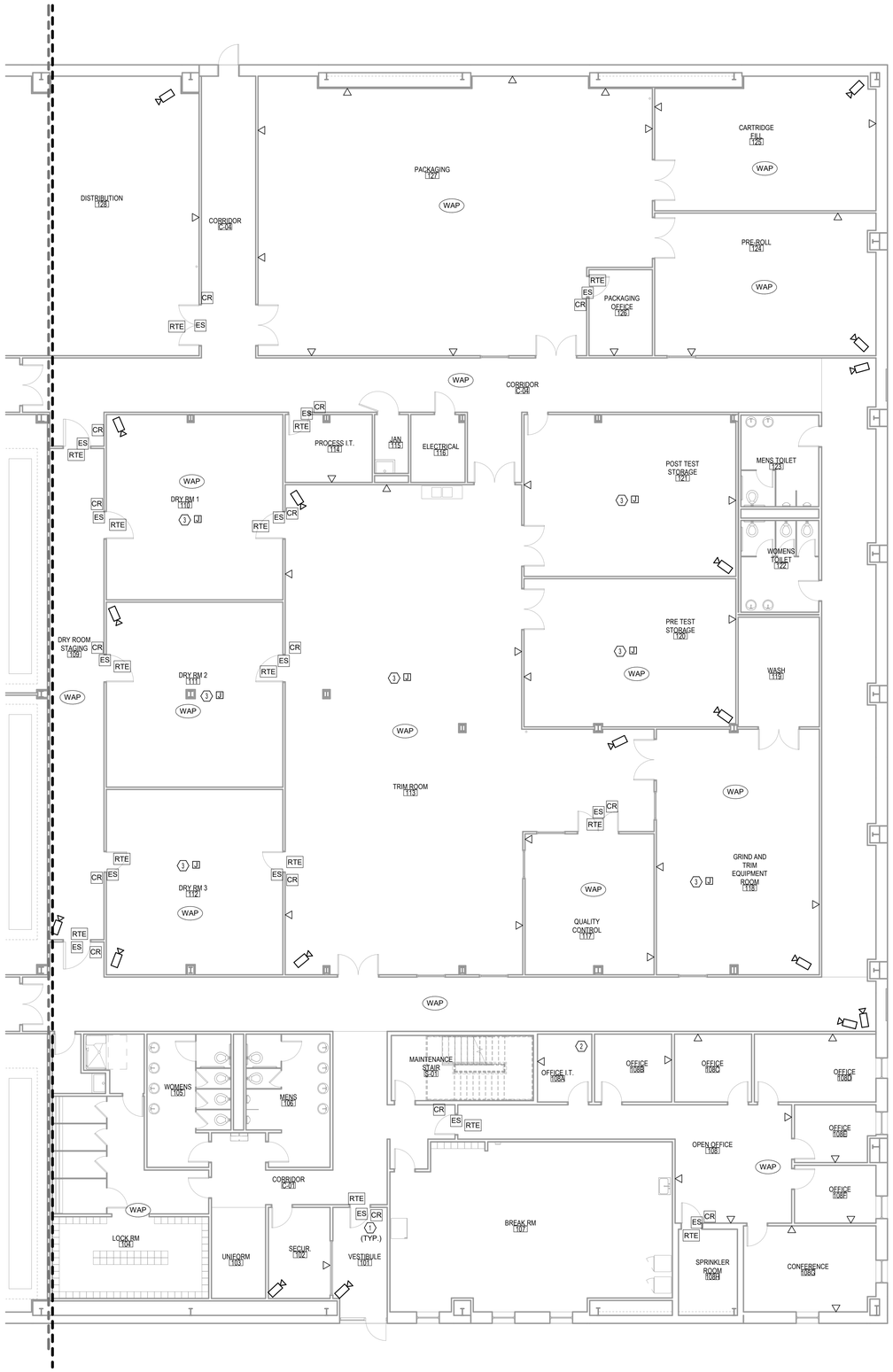
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**Drawing History:**

| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR COMMUNICATIONS & SECURITY PLAN AREA-A

**Sheet Number:** E103a




## 1 PARTIAL FIRST FLOOR PLAN COMMUNICATIONS & SECURITY PLAN AREA-B

1/8" = 1'-0"

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING; THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.
C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.
D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM
F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.

## ELECTRICAL DRAWING NOTES (2):

1. PROVISION FOR ACCESS CONTROLS. COORDINATE REQUIREMENTS WITH ACCESS CONTROLS INSTALLER AND DOOR HARDWARE.
2. PROVIDE (4) 48-PORT PATCH PANELS IN OWNER SUPPLIED SERVER RACK.
3. PRIVA ENVIRONMENTAL SENSOR CONNECTION. PROVIDE 1" CONDUIT BACK TO PROCESS I.T. ROOM. COORDINATE REQUIREMENTS WITH PRIVA INSTALLER.

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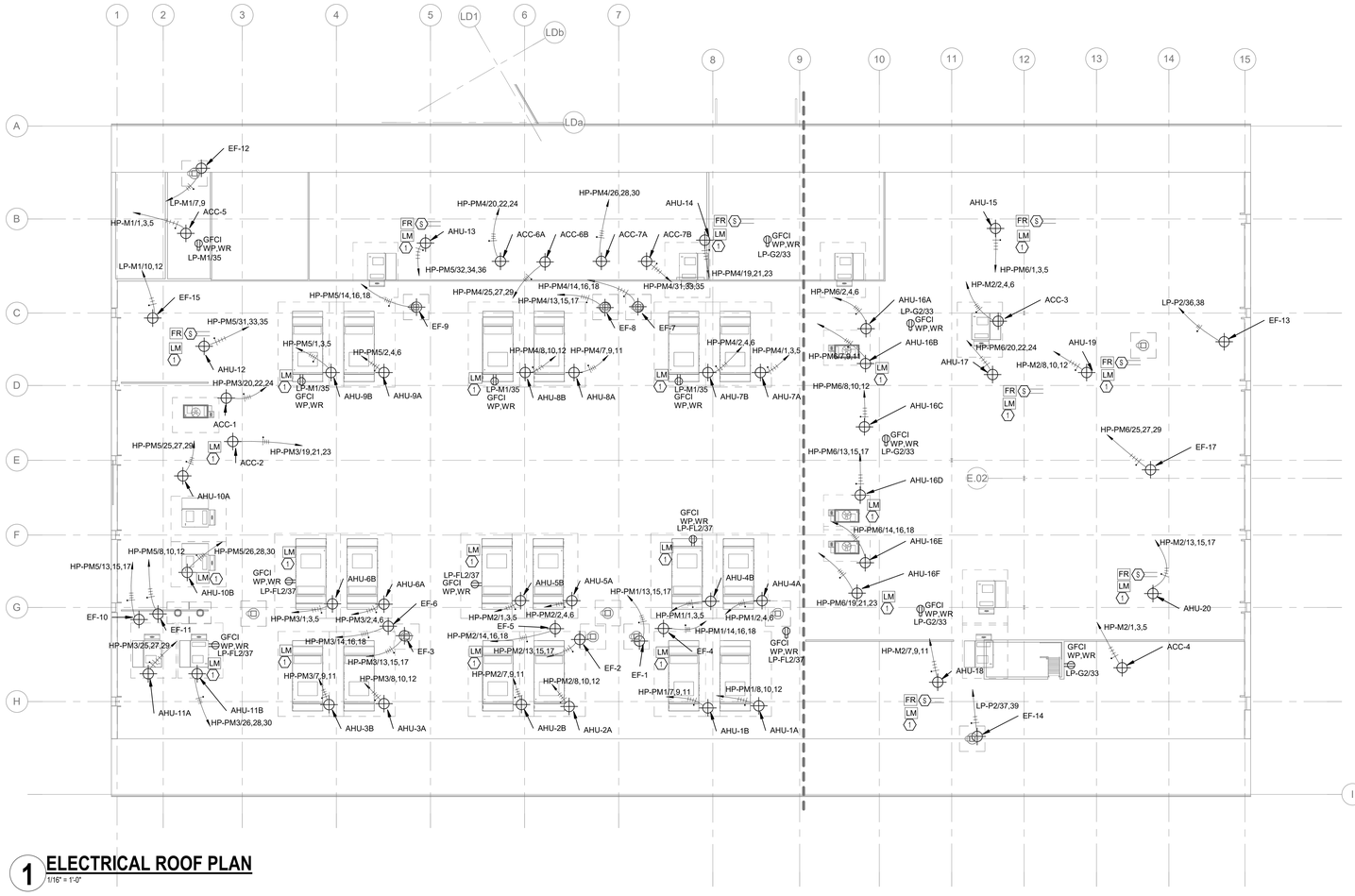
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| # | Date | Description |
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**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR COMMUNICATIONS & SECURITY PLAN AREA-B

**Sheet Number:** E103b




## 1 ELECTRICAL ROOF PLAN

1/16" = 1'-0"

## ELECTRICAL DRAWING NOTES ⓓ:

1. ADDRESSABLE LOAD SHED MODULE. CONNECT TO HVAC SHUTDOWN CONTACT.

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING: THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.

B. THE USE OF EXPOSED RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.

C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.

D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.

E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM

F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.


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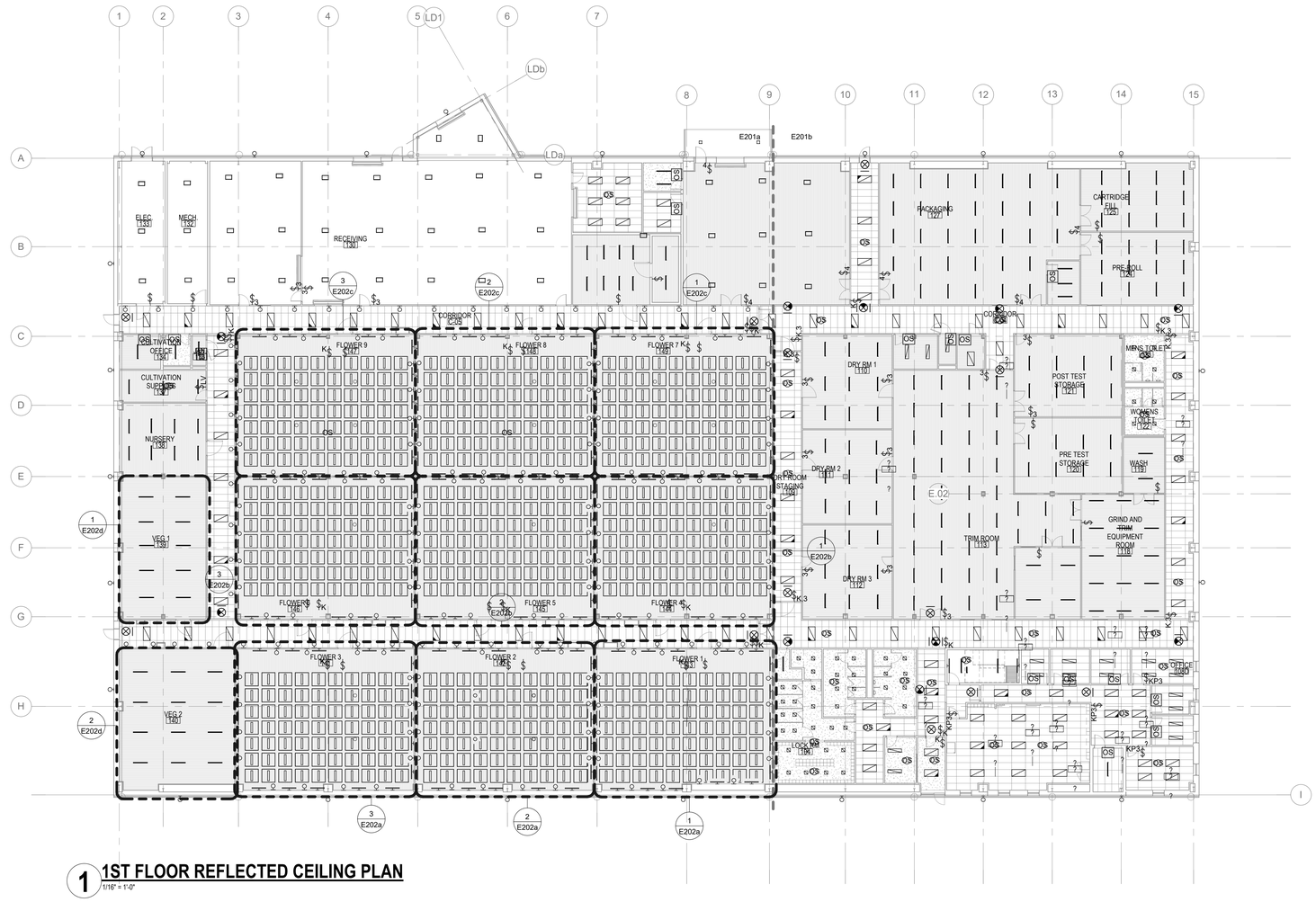
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|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** ELECTRICAL ROOF PLAN

**Sheet Number:** E104




## 1 1ST FLOOR REFLECTED CEILING PLAN

1/16" = 1'-0"

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING, THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.

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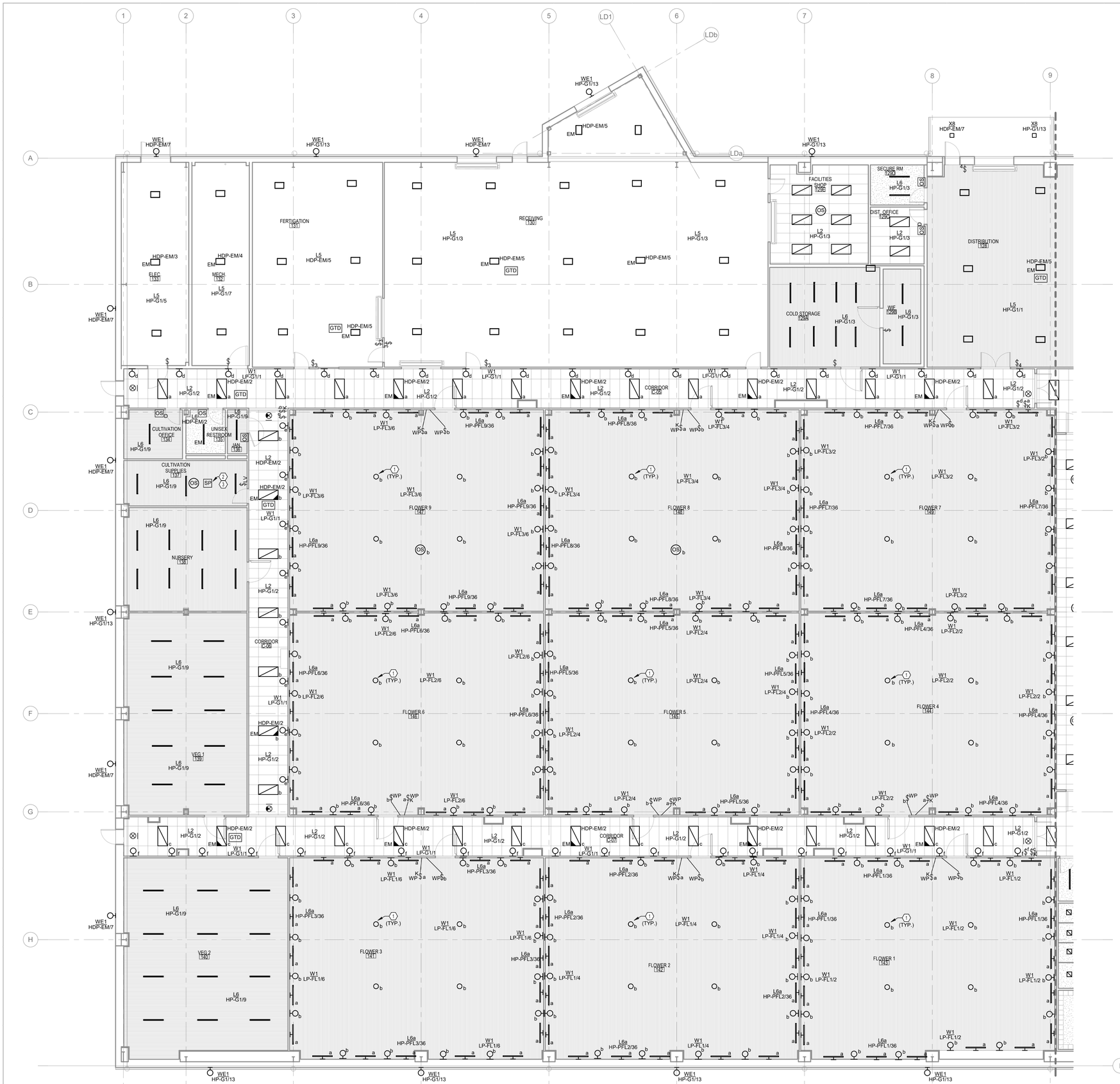
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| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** OVERALL FIRST FLOOR LIGHTING PLAN

**Sheet Number:** E201




## 1 1ST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

## GENERAL ELECTRICAL NOTES:

A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING; THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
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## ELECTRICAL DRAWING NOTES (E) :

1. MOUNT LAMP HOLDER TO BOTTOM OF UNISTRUT GRID. TYPICAL OF (4) LIGHTS PER FLOWER ROOM.
2. MOUNT SWITCHPACK ABOVE ACCESSIBLE CEILING IN ADJACENT CORRIDOR.
3. CONFIGURE FOR VACANCY SENSOR OPERATION.


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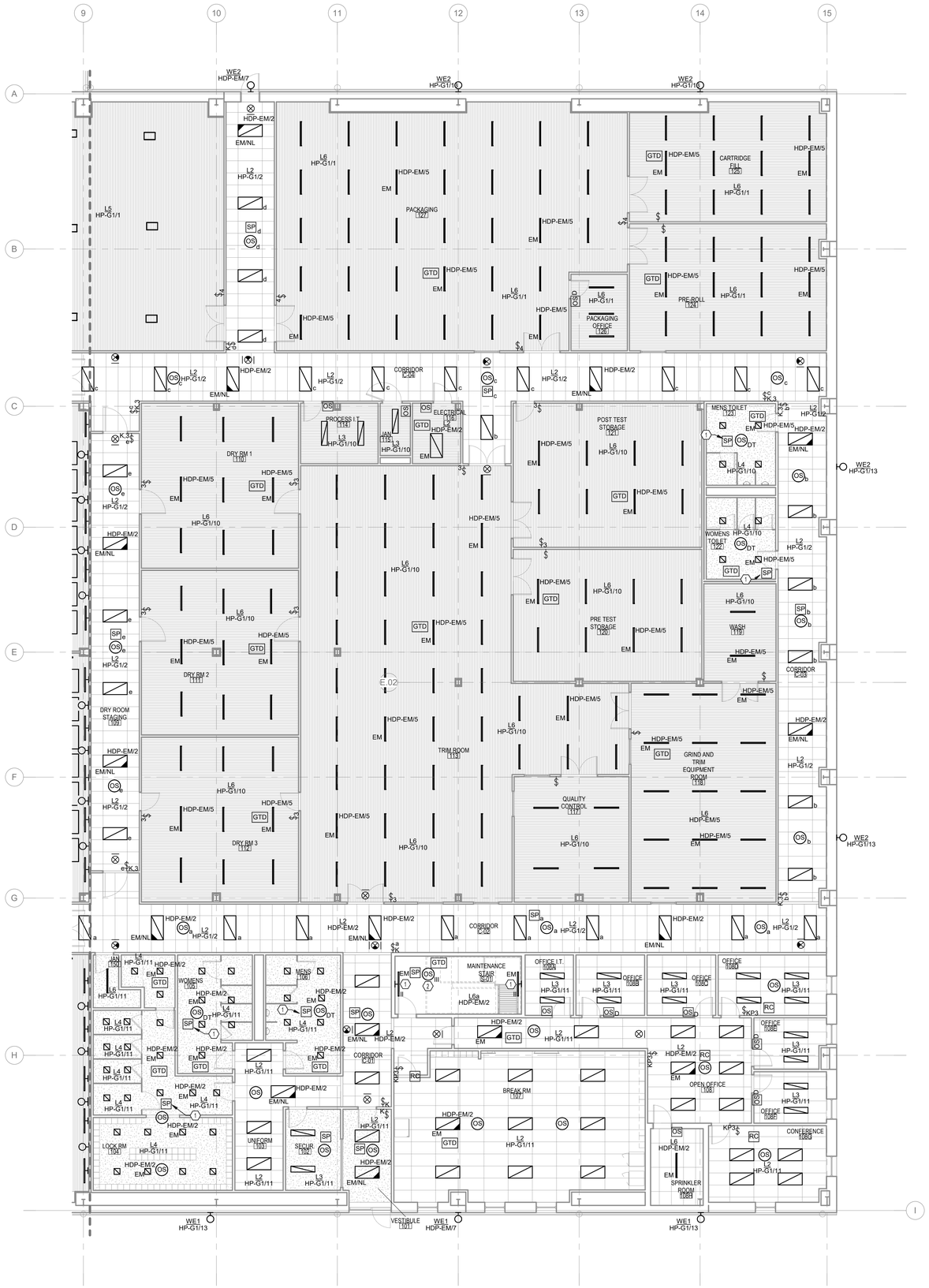
**Project Address:** 11580 Walden Ave

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**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR LIGHTING PLAN AREA-A

**Sheet Number:** E201a




## ELECTRICAL DRAWING NOTES ⓘ :

1. WALL MOUNTED LINEAR FIXTURE AT EACH LANDING. MOUNT FIXTURE AT 6'-6" ABOVE LANDING LEVEL. TYPICAL OF (4) FIXTURES IN MAINTENANCE STAIR.
2. PROVIDE OCCUPANCY SENSOR AT EACH LANDING AND TOP OF STAIRWELL. TYPICAL OF (3) OCCUPANCY SENSORS

## GENERAL ELECTRICAL NOTES:

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## 1 1ST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"


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**Project:** Alden Green House

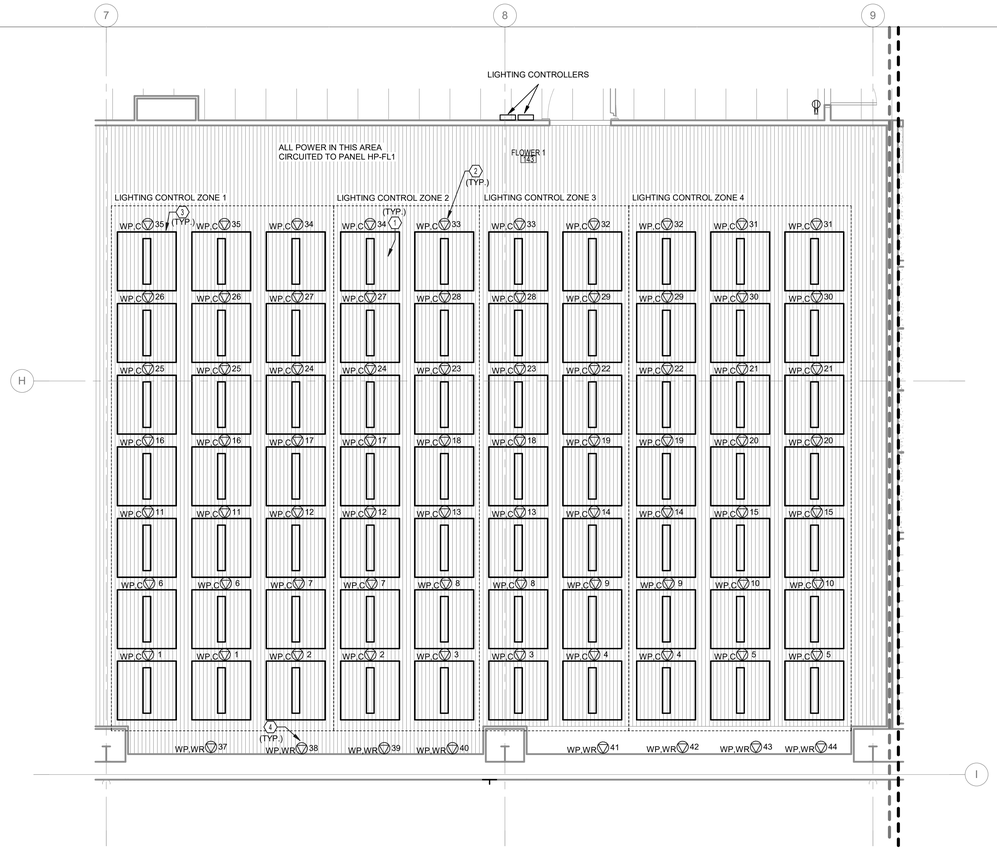
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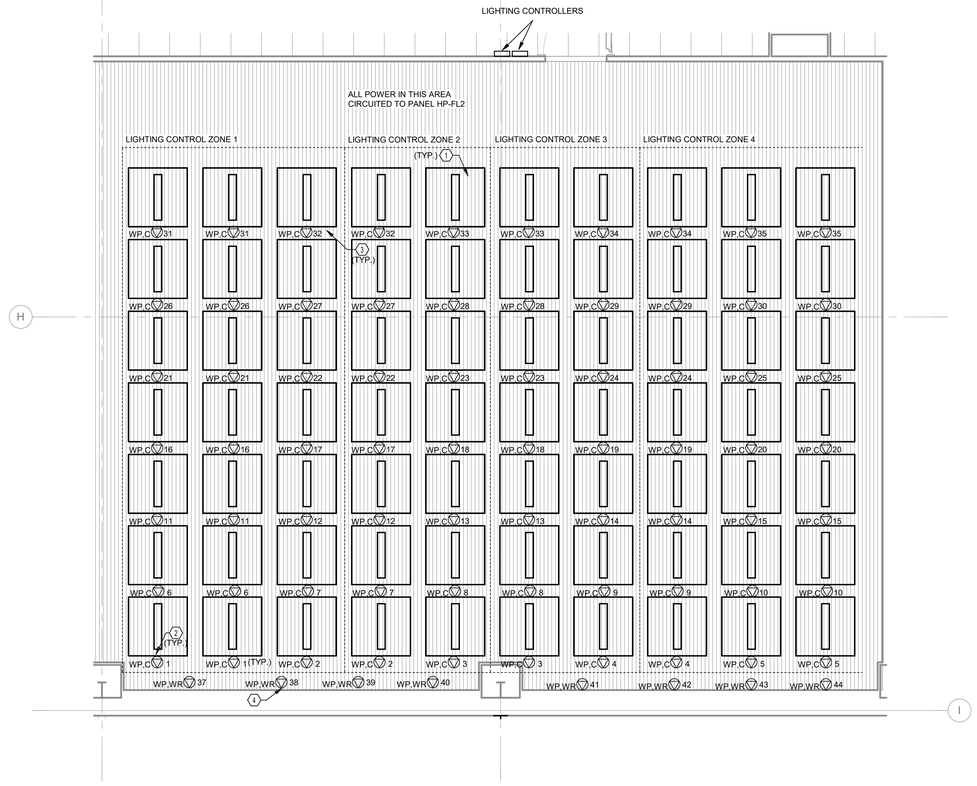
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**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR LIGHTING PLAN AREA-B

**Sheet Number:** E201b



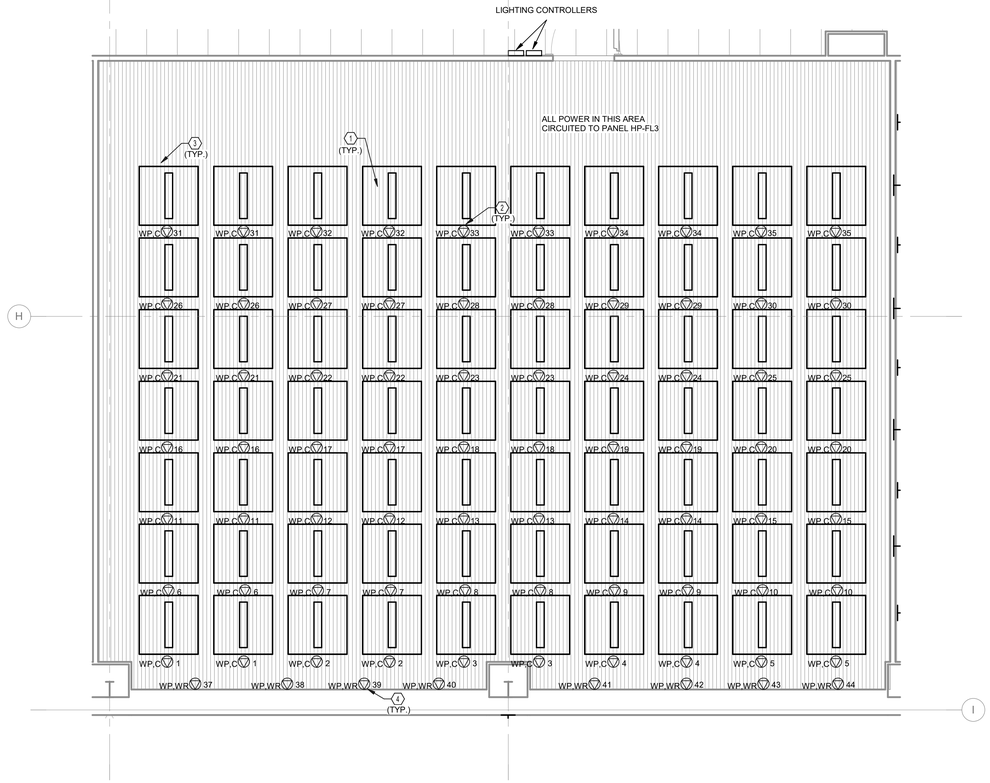

## 1 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 1

1/4" = 1'-0"




## 2 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 2

1/4" = 1'-0"




## 3 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 3

1/4" = 1'-0"

## ELECTRICAL DRAWING NOTES :

1. GROW LIGHTING TO BE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. INSTALL LIGHTING ON SUSPENDED UNISTRUT GRID WITH CROSS BRACING. COORDINATE ELECTRICAL REQUIREMENTS WITH LIGHTING MANUFACTURER. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHT WITH OWNER.
2. CEILING MOUNTED, 277V NEMA L7-20R RECEPTACLE WITH NEMA 4X WHILE IN USE COVER FOR GROW LIGHTING. MOUNT RECEPTACLE FACE DOWN ON LIGHTING UNISTRUT GRID. MATCHING CORD AND NEMA L7-20P PLUG REQUIRED FOR EACH FIXTURE.
3. PROVIDE DAISY CHAINED COMMUNICATIONS CONNECTIONS BETWEEN FIXTURES. EXTEND (1) CABLE FOR EACH LIGHTING ZONE TO LIGHTING CONTROL PANEL IN CORRIDOR. COORDINATE CABLE TYPE AND TERMINATION WITH GROW LIGHTING MANUFACTURER.
4. PROVIDE WEATHER RESISTANT NEMA L7-20R RECEPTACLE WITH WEATHERPROOF IN USE COVER FOR UNDERCANOPY LIGHTING.

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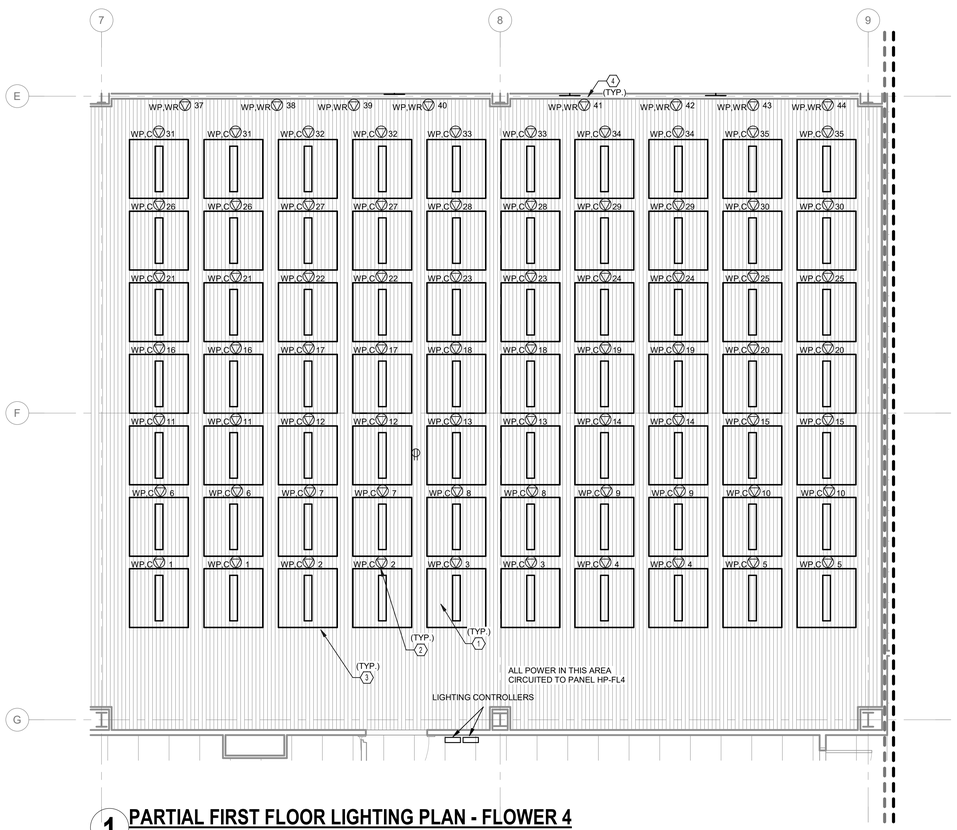
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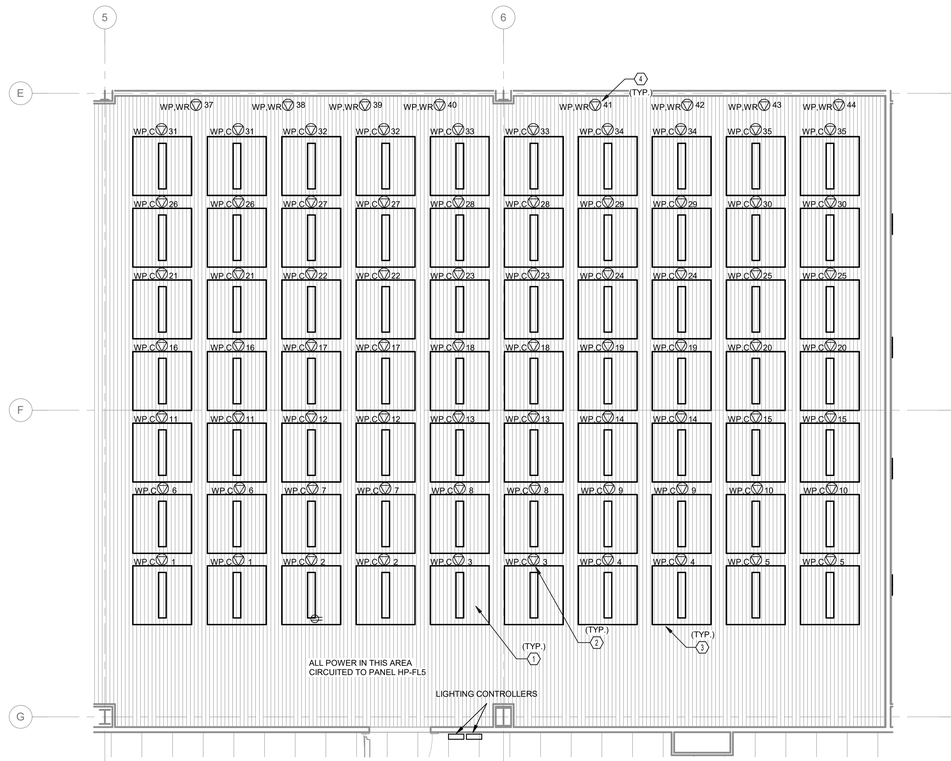
**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR LIGHTING PLAN FLOWER ROOMS 1,2,3

**Sheet Number:** E202a



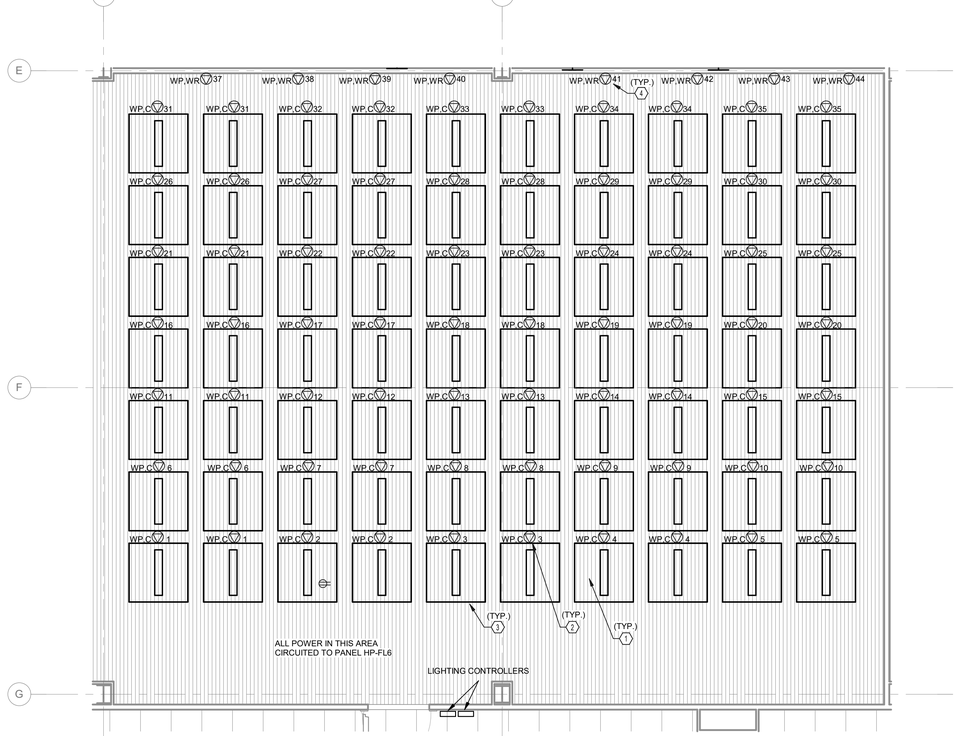

## 1 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 4

1/4" = 1'-0"




## 2 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 5

1/4" = 1'-0"




## 3 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 6

1/4" = 1'-0"

## ELECTRICAL DRAWING NOTES 0 :

1. GROW LIGHTING TO BE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. INSTALL LIGHTING ON SUSPENDED UNISTRUT GRID WITH CROSS BRACING. COORDINATE ELECTRICAL REQUIREMENTS WITH LIGHTING MANUFACTURER. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHT WITH OWNER.
2. CEILING MOUNTED, 277V NEMA L7-20R RECEPTACLE WITH NEMA 4X WHILE IN USE COVER FOR GROW LIGHTING. MOUNT RECEPTACLE FACE DOWN ON LIGHTING UNISTRUT GRID. MATCHING CORD AND NEMA L7-20P PLUG REQUIRED FOR EACH FIXTURE.
3. PROVIDE DAISY CHAINED COMMUNICATIONS CONNECTIONS BETWEEN FIXTURES. EXTEND (1) CABLE FOR EACH LIGHTING ZONE TO LIGHTING CONTROL PANEL IN CORRIDOR. COORDINATE CABLE TYPE AND TERMINATION WITH GROW LIGHTING MANUFACTURER.
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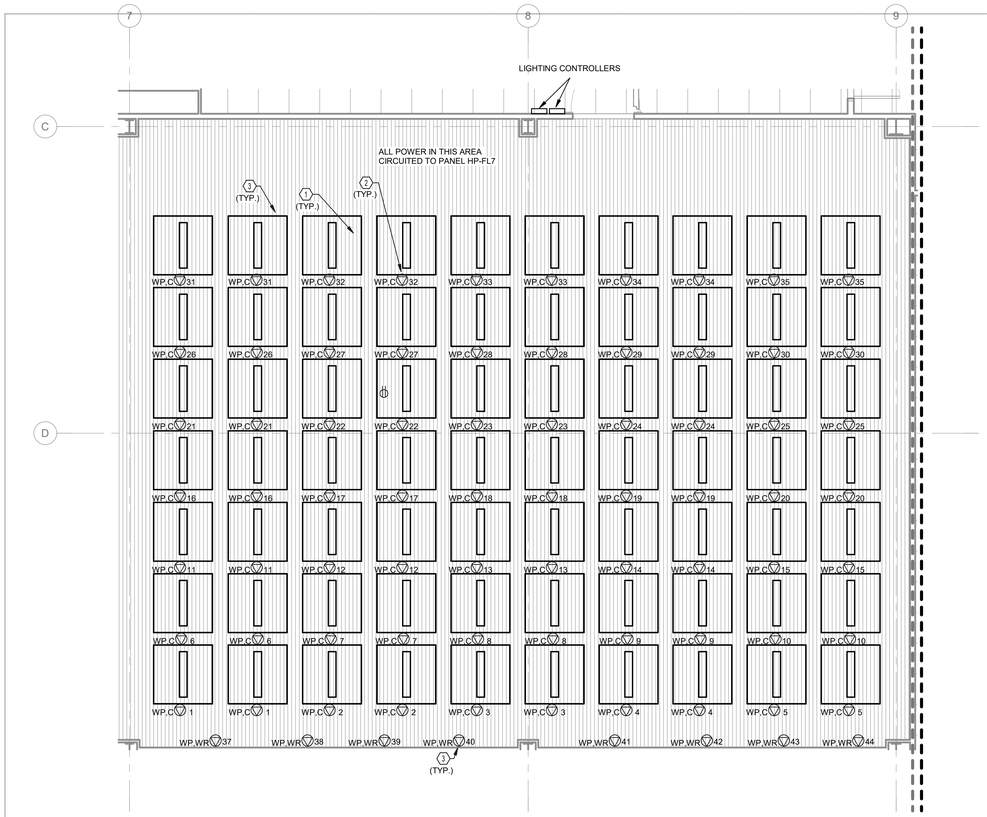
**Project Address:** 11580 Walden Ave

**Drawing History:**

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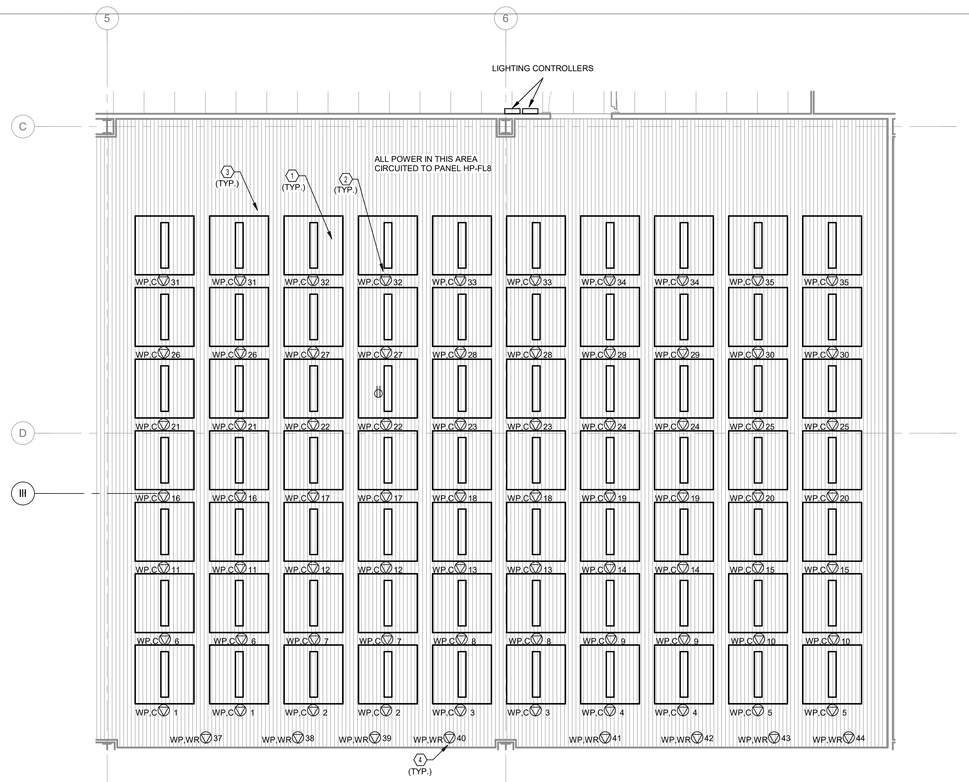
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**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR LIGHTING PLAN FLOWER ROOMS 4,5,6

**Sheet Number:** E202b



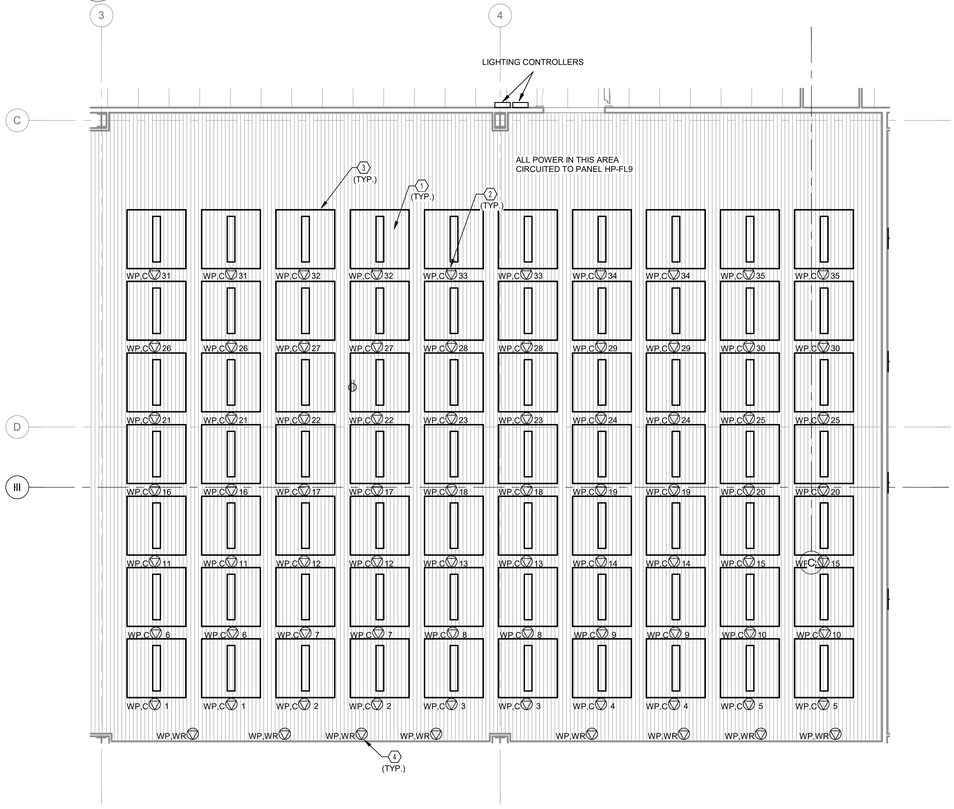

## 1 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 7

1/4" = 1'-0"




## 2 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 8

1/4" = 1'-0"




## 3 PARTIAL FIRST FLOOR LIGHTING PLAN - FLOWER 9

1/4" = 1'-0"

## ELECTRICAL DRAWING NOTES (E) :

1. GROW LIGHTING TO BE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. INSTALL LIGHTING ON SUSPENDED UNISTRUT GRID WITH CROSS BRACING. COORDINATE ELECTRICAL REQUIREMENTS WITH LIGHTING MANUFACTURER. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHT WITH OWNER.
2. CEILING MOUNTED, 277V NEMA L7-20R RECEPTACLE WITH NEMA 4X WHILE IN USE COVER FOR GROW LIGHTING. MOUNT RECEPTACLE FACE DOWN ON LIGHTING UNISTRUT GRID. MATCHING CORD AND NEMA L7-20P PLUG REQUIRED FOR EACH FIXTURE.
3. PROVIDE DAISY CHAINED COMMUNICATIONS CONNECTIONS BETWEEN FIXTURES. EXTEND (1) CABLE FOR EACH LIGHTING ZONE TO LIGHTING CONTROL PANEL IN CORRIDOR. COORDINATE CABLE TYPE AND TERMINATION WITH GROW LIGHTING MANUFACTURER.
4. PROVIDE WEATHER RESISTANT NEMA L7-20R RECEPTACLE WITH WEATHERPROOF IN USE COVER FOR UNDERCANOPY LIGHTING.


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

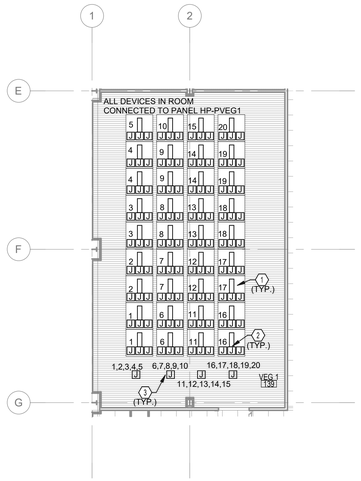
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

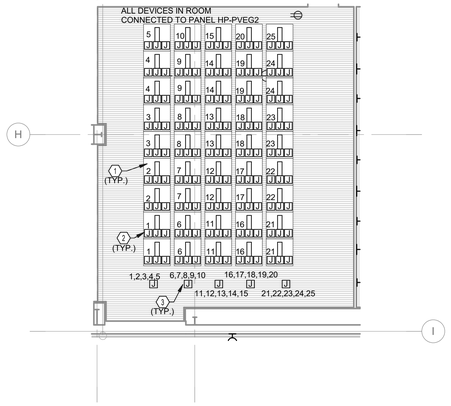
**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR LIGHTING PLAN FLOWER ROOMS 7,8,9

**Sheet Number:** E202c




## 1 PARTIAL FIRST FLOOR LIGHTING PLAN - VEG 1

1/8" = 1'-0"




## 2 PARTIAL FIRST FLOOR LIGHTING PLAN - VEG 2

1/8" = 1'-0"

## ELECTRICAL DRAWING NOTES (4):

1. GROW LIGHTING TO BE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. MOUNT LIGHTING ON THREE TIER RACK. COORDINATE EXACT NUMBER OF FIXTURES AND RACKS WITH OWNER.
2. PROVIDE NEMA 4X JUNCTION BOX ON RACK FOR LIGHTING POWER. PROVIDE SOOW CABLE TO CONNECT POWER TO JUNCTION BOXES.
3. CEILING MOUNTED JUNCTION BOX TO FEED POWER TO RACKS. CONNECT RACK POWER WITH SOOW CABLE. PROVIDE ENOUGH EXTRA CABLE TO PERMIT HORIZONTAL RACK MOVEMENT. PROVIDE STRAIN RELIEF AT CEILING. COORDINATE REQUIREMENTS WITH OWNER.


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**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

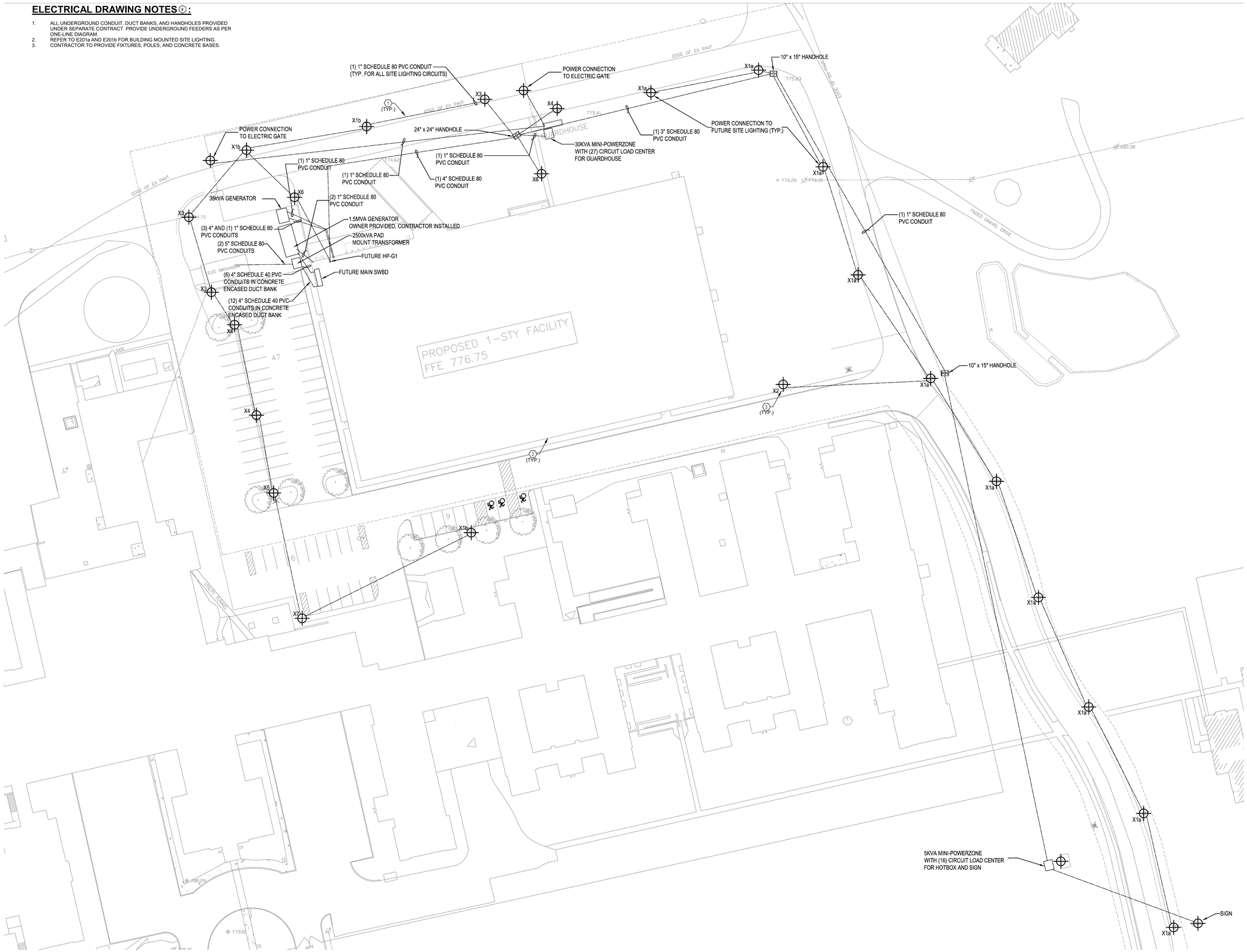
| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PARTIAL FIRST FLOOR LIGHTING PLAN VEG ROOMS 1,2

**Sheet Number:** E202d

## ELECTRICAL DRAWING NOTES ⓘ:

1. ALL UNDERGROUND CONDUIT, DUCT BANKS, AND HANDHOLES PROVIDED UNDER SEPARATE CONTRACT. PROVIDE UNDERGROUND FEEDERS AS PER ONE-LINE DIAGRAM.
2. REFER TO E201a AND E201b FOR BUILDING MOUNTED SITE LIGHTING.
3. CONTRACTOR TO PROVIDE FIXTURES, POLES, AND CONCRETE BASES.




## 1 ELECTRICAL SITE LIGHTING PLAN

1" = 30'-0"


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**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

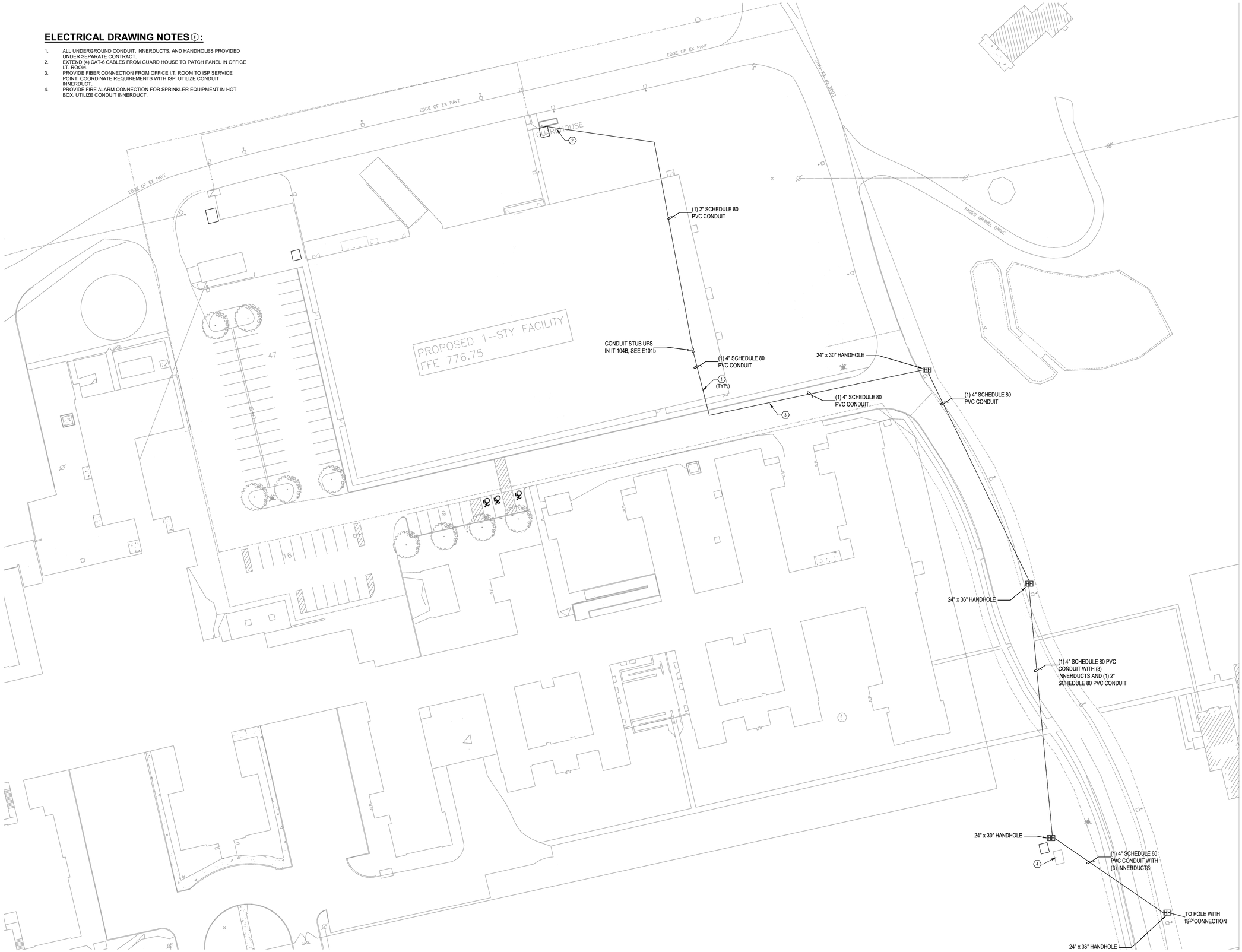
| # | Date | Description |
|---|---|---|

**Date:** 10/10/2025
**Project Number:** 24003
**Sheet Title:** ELECTRICAL SITE LIGHTING PLAN

**Sheet Number:** E304

## ELECTRICAL DRAWING NOTES (#):

1. ALL UNDERGROUND CONDUIT, INNERDUCTS, AND HANDHOLES PROVIDED UNDER SEPARATE CONTRACT.
2. EXTEND (4) CAT-6 CABLES FROM GUARD HOUSE TO PATCH PANEL IN OFFICE I.T. ROOM.
3. PROVIDE FIBER CONNECTION FROM OFFICE I.T. ROOM TO ISP SERVICE POINT. COORDINATE REQUIREMENTS WITH ISP. UTILIZE CONDUIT INNERDUCT.
4. PROVIDE FIRE ALARM CONNECTION FOR SPRINKLER EQUIPMENT IN HOT BOX. UTILIZE CONDUIT INNERDUCT.




## 1 ELECTRICAL SITE PLAN - COMMUNICATIONS
1" = 30'-0"


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**Project:** Alden Green House

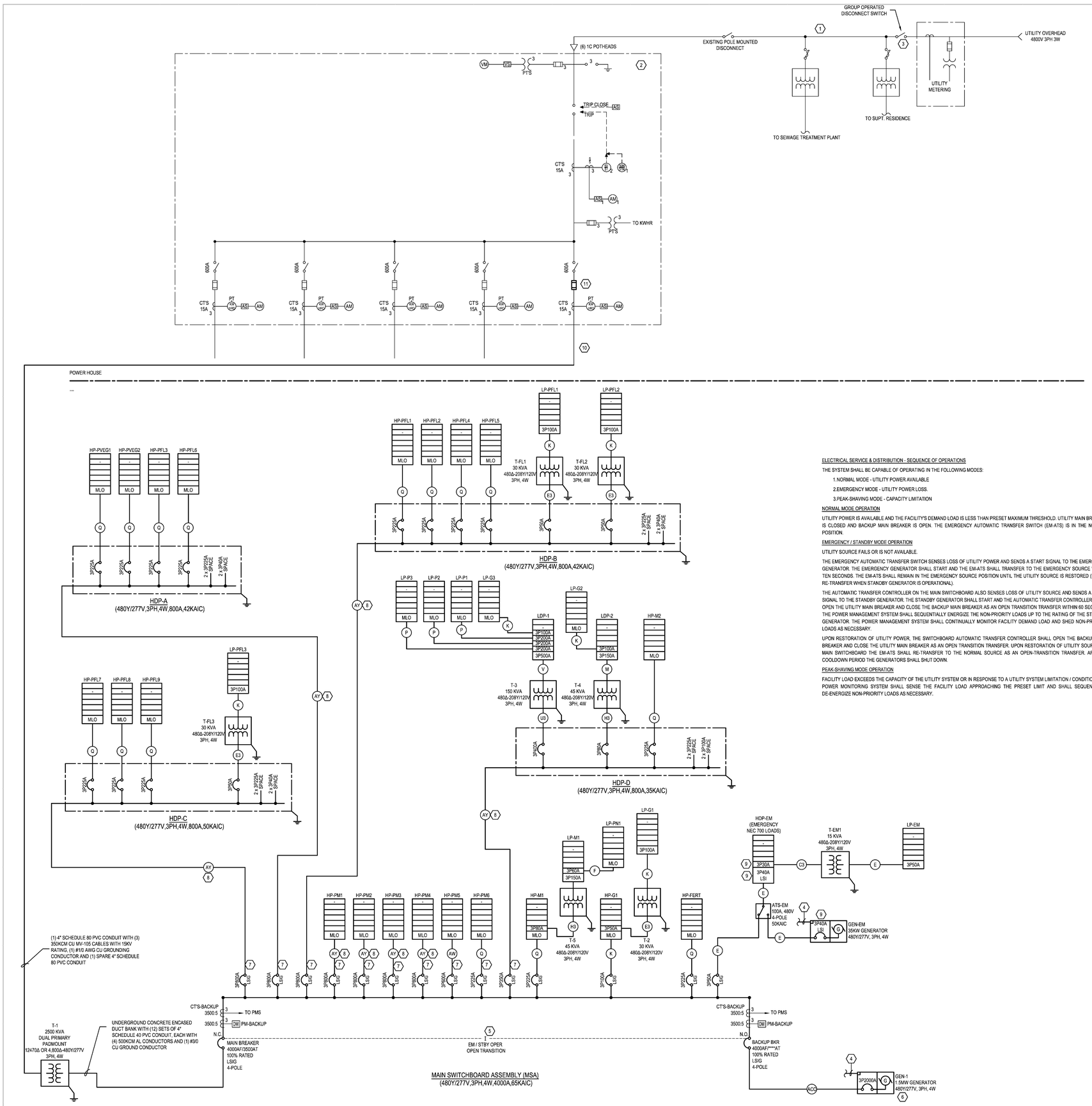
**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** ELECTRICAL SITE PLAN - COMMUNICATIONS CABLING

**Sheet Number:** E305




## FEEDER SCHEDULE

| DESIGNATION | OCPD AMPS / CKT RATING | COPPER CONDUCTORS PHASE SIZE AWG/KCMIL | PHASE QUANTITY | NEUTRAL SIZE AWG/KCMIL | NEUTRAL QUANTITY | EQUIP. GND SIZE AWG/KCMIL | EQUIP. GND QUANTITY | CONDUIT SIZE INCHES | CONDUIT QUANTITY |
|---|---|---|---|---|---|---|---|---|---|
| A | 15 | 12 | 3 | 12 | 1 | 12 | 1 | ¾ | 1 |
| B | 20 | 12 | 3 | 12 | 1 | 12 | 1 | ¾ | 1 |
| C | 30 | 10 | 3 | 10 | 1 | 10 | 1 | ¾ | 1 |
| D | 40 | 8 | 3 | 8 | 1 | 10 | 1 | ¾ | 1 |
| E | 50 | 6 | 3 | 6 | 1 | 10 | 1 | 1 | 1 |
| F | 60 | 4 | 3 | 4 | 1 | 10 | 1 | 1¼ | 1 |
| G | 70 | 4 | 3 | 4 | 1 | 8 | 1 | 1¼ | 1 |
| H | 80 | 3 | 3 | 3 | 1 | 8 | 1 | 1¼ | 1 |
| J | 90 | 2 | 3 | 2 | 1 | 8 | 1 | 1¼ | 1 |
| K | 100 | 1 | 3 | 1 | 1 | 8 | 1 | 1½ | 1 |
| L | 125 | 1 | 3 | 1 | 1 | 6 | 1 | 1½ | 1 |
| M | 150 | 1/0 | 3 | 1/0 | 1 | 6 | 1 | 1½ | 1 |
| N | 175 | 2/0 | 3 | 2/0 | 1 | 6 | 1 | 2 | 1 |
| P | 200 | 3/0 | 3 | 3/0 | 1 | 6 | 1 | 2 | 1 |
| Q | 225 | 4/0 | 3 | 4/0 | 1 | 4 | 1 | 2½ | 1 |
| R | 250 | 250 | 3 | 250 | 1 | 4 | 1 | 2½ | 1 |
| S | 300 | 350 | 3 | 350 | 1 | 4 | 1 | 3 | 1 |
| T | 350 | 500 | 3 | 500 | 1 | 3 | 1 | 4 | 1 |
| U | 400 | 3/0 | 6 | 3/0 | 2 | 2 | 2 | 2½ | 2 |
| V | 500 | 250 | 6 | 250 | 2 | 2 | 2 | 3 | 2 |
| W | 600 | 350 | 6 | 350 | 2 | 1 | 2 | 3 | 2 |
| X | 700 | 500 | 6 | 500 | 2 | 1/0 | 2 | 4 | 2 |
| Y | 800 | 300 | 9 | 300 | 3 | 1/0 | 3 | 3 | 3 |
| Z | 1000 | 400 | 9 | 400 | 3 | 2/0 | 3 | 3 | 3 |
| AA | 1200 | 350 | 12 | 350 | 4 | 3/0 | 4 | 3 | 4 |
| BB | 1600 | 400 | 15 | 400 | 5 | 4/0 | 5 | 3 | 5 |
| CC | 2000 | 400 | 18 | 400 | 6 | 250 | 6 | 3 | 6 |
| DD | 2500 | 400 | 24 | 400 | 8 | 300 | 8 | 3 | 8 |
| EE | 3000 | 500 | 24 | 500 | 8 | 400 | 8 | 3 | 8 |
| **ALTERNATE CONFIGURATION** | | | | | | | | | |
| U | 400 | 600 | 3 | 600 | 1 | 2 | 1 | 4 | 1 |
| Y | 800 | 600 | 6 | 600 | 2 | 1/0 | 2 | 4 | 2 |
| AA | 1200 | 600 | 9 | 600 | 3 | 3/0 | 3 | 4 | 3 |
| BB | 1600 | 600 | 12 | 600 | 4 | 4/0 | 4 | 4 | 4 |
| CC | 2000 | 600 | 15 | 600 | 5 | 250 | 5 | 4 | 5 |

| DESIGNATION | OCPD AMPS / CKT RATING | ALUMINUM CONDUCTORS PHASE SIZE AWG/KCMIL | PHASE QUANTITY | NEUTRAL SIZE AWG/KCMIL | NEUTRAL QUANTITY | EQUIP. GND SIZE AWG/KCMIL | EQUIP. GND QUANTITY | CONDUIT SIZE INCHES | CONDUIT QUANTITY |
|---|---|---|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - |
| AK | 100 | 1/0 | 3 | 1/0 | 1 | 6 | 1 | 1½ | 1 |
| AL | 125 | 2/0 | 3 | 2/0 | 1 | 4 | 1 | 2 | 1 |
| AM | 150 | 3/0 | 3 | 3/0 | 1 | 4 | 1 | 2 | 1 |
| AN | 175 | 4/0 | 3 | 4/0 | 1 | 4 | 1 | 2½ | 1 |
| AP | 200 | 250 | 3 | 250 | 1 | 4 | 1 | 2½ | 1 |
| AQ | 225 | 300 | 3 | 300 | 1 | 2 | 1 | 3 | 1 |
| AR | 250 | 350 | 3 | 350 | 1 | 2 | 1 | 3 | 1 |
| AS | 300 | 500 | 3 | 500 | 1 | 2 | 1 | 4 | 1 |
| AT | 350 | 4/0 | 6 | 4/0 | 2 | 1 | 2 | 2½ | 2 |
| AU | 400 | 250 | 6 | 250 | 2 | 1 | 2 | 2½ | 2 |
| AV | 500 | 350 | 6 | 350 | 2 | 1/0 | 2 | 3 | 2 |
| AW | 600 | 500 | 6 | 500 | 2 | 2/0 | 2 | 4 | 2 |
| AX | 700 | 350 | 9 | 350 | 3 | 3/0 | 3 | 3 | 3 |
| AY | 800 | 400 | 9 | 400 | 3 | 3/0 | 3 | 3 | 3 |
| AZ | 1000 | 350 | 12 | 350 | 4 | 4/0 | 4 | 3 | 4 |
| AAA | 1200 | 500 | 12 | 500 | 4 | 250 | 4 | 4 | 4 |
| ABB | 1600 | 400 | 18 | 400 | 6 | 350 | 6 | 4 | 6 |
| ACC | 2000 | 500 | 21 | 500 | 7 | 400 | 7 | 4 | 7 |
| ADD | 2500 | 500 | 27 | 500 | 9 | 400 | 9 | 4 | 9 |
| AEE | 3000 | 600 | 27 | 600 | 9 | 400 | 9 | 4 | 9 |
| **ALTERNATE CONFIGURATION** | | | | | | | | | |
| AT | 350 | 600 | 3 | 600 | 1 | 1 | 1 | 4 | 1 |
| AY | 800 | 750 | 6 | 750 | 2 | 3/0 | 2 | 4 | 2 |
| AZ | 1000 | 600 | 9 | 600 | 3 | 4/0 | 3 | 4 | 3 |
| ABB | 1600 | 600 | 15 | 600 | 5 | 350 | 5 | 4 | 5 |
| ACC | 2000 | 600 | 18 | 600 | 6 | 400 | 6 | 4 | 6 |

NOTES:
1. ALL CONDUIT FILL CAPACITIES ARE BASED ON THHN INSULATION.
2. ALL CONDUIT FILL CAPACITIES ARE BASED ON EMT CONDUIT. IF ALTERNATE CONDUIT IS USED, CONTRACTOR SHALL ADJUST CONDUIT SIZE ACCORDING TO NEC.
3. ALL 23 KV CABLES MUST BE INSTALLED IN RGS CONDUIT WITH APPROPRIATE WARNING LABELS.

## GENERAL NOTES:

A. LSI/LSIG INDICATES CIRCUIT BREAKER WITH ADJUSTABLE ELECTRONIC TRIP UNIT.
B. ALL NORMAL BRANCH SWITCHBOARDS AND DISTRIBUTION PANELBOARDS (400A+) SHALL BE FULLY RATED.
C. ALL NORMAL BRANCH PANELBOARDS SHALL BE SERIES RATED.
D. ALL EMERGENCY AND STANDBY PANELBOARDS SHALL BE FULLY RATED.
E. SUBPANELS TO MATCH IC RATINGS OF UPSTREAM PANELBOARDS.

## ELECTRICAL DRAWING NOTES (#) :

1. EXISTING SERVICE CONDUCTORS, SWITCHGEAR, AND EQUIPMENT TO REMAIN.
2. EXISTING MEDIUM VOLTAGE SWITCHGEAR TO REMAIN.
3. GROUP OPERATED DISCONNECT REPLACED IN A SEPARATE CONTRACT.
4. (2) 1" CONDUITS TO ELECTRICAL ROOM FOR GENERATOR ACCESSORY CIRCUITS AND GENERATOR CONTROLS.
5. INTEGRATED AUTOMATIC TRANSFER CONTROLLER BY SWITCHBOARD MANUFACTURER.
6. 1.5MW GENERATOR IS OWNER SUPPLIED AND CONTRACTOR INSTALLED.
7. (2) 4" UNDERSLAB CONDUITS PROVIDED AND INSTALLED UNDER A SEPARATE CONTRACT, PROVIDE AND INSTALL FEEDERS.
8. USE ALTERNATE AY FEEDER CONFIGURATION.
9. EMERGENCY BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICES TO BE SELECTIVELY COORDINATED PER MANUFACTURERS TABLES.
10. UTILIZE EXISTING 400A SWITCH FOR NEW FEEDER. RE-FEED EXISTING LOAD FROM ANOTHER AVAILABLE SWITCH. EXTEND/REWORK CONDUCTORS AS REQUIRED.
11. PROVIDE NEW 400A FUSES IN EXISTING SWITCH.

### ELECTRICAL SERVICE & DISTRIBUTION - SEQUENCE OF OPERATIONS

THE SYSTEM SHALL BE CAPABLE OF OPERATING IN THE FOLLOWING MODES:

1.NORMAL MODE - UTILITY POWER AVAILABLE

2.EMERGENCY MODE - UTILITY POWER LOSS.

3.PEAK-SHAVING MODE - CAPACITY LIMITATION

NORMAL MODE OPERATION

UTILITY POWER IS AVAILABLE AND THE FACILITY'S DEMAND LOAD IS LESS THAN PRESET MAXIMUM THRESHOLD. UTILITY MAIN BREAKER IS CLOSED AND BACKUP MAIN BREAKER IS OPEN. THE EMERGENCY AUTOMATIC TRANSFER SWITCH (EM-ATS) IS IN THE NORMAL POSITION.

EMERGENCY / STANDBY MODE OPERATION

UTILITY SOURCE FAILS OR IS NOT AVAILABLE.

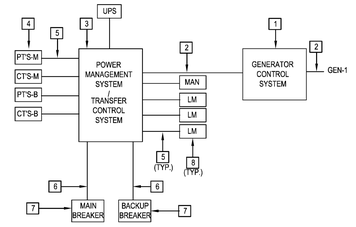
THE EMERGENCY AUTOMATIC TRANSFER SWITCH SENSES LOSS OF UTILITY POWER AND SENDS A START SIGNAL TO THE EMERGENCY GENERATOR. THE EMERGENCY GENERATOR SHALL START AND THE EM-ATS SHALL TRANSFER TO THE EMERGENCY SOURCE WITHIN TEN SECONDS. THE EM-ATS SHALL REMAIN IN THE EMERGENCY SOURCE POSITION UNTIL THE UTILITY SOURCE IS RESTORED (INHIBIT RE-TRANSFER WHEN STANDBY GENERATOR IS OPERATIONAL).

THE AUTOMATIC TRANSFER CONTROLLER ON THE MAIN SWITCHBOARD ALSO SENSES LOSS OF UTILITY SOURCE AND SENDS A START SIGNAL TO THE STANDBY GENERATOR. THE STANDBY GENERATOR SHALL START AND THE AUTOMATIC TRANSFER CONTROLLER SHALL OPEN THE UTILITY MAIN BREAKER AND CLOSE THE BACKUP MAIN BREAKER AS AN OPEN TRANSITION TRANSFER WITHIN 60 SECONDS. THE POWER MANAGEMENT SYSTEM SHALL SEQUENTIALLY ENERGIZE THE NON-PRIORITY LOADS UP TO THE RATING OF THE STANDBY GENERATOR. THE POWER MANAGEMENT SYSTEM SHALL CONTINUALLY MONITOR FACILITY DEMAND LOAD AND SHED NON-PRIORITY LOADS AS NECESSARY.

UPON RESTORATION OF UTILITY POWER, THE SWITCHBOARD AUTOMATIC TRANSFER CONTROLLER SHALL OPEN THE BACKUP MAIN BREAKER AND CLOSE THE UTILITY MAIN BREAKER AS AN OPEN TRANSITION TRANSFER. UPON RESTORATION OF UTILITY SOURCE TO MAIN SWITCHBOARD THE EM-ATS SHALL RE-TRANSFER TO THE NORMAL SOURCE AS AN OPEN-TRANSITION TRANSFER. AFTER A COOLDOWN PERIOD THE GENERATORS SHALL SHUT DOWN.

PEAK-SHAVING MODE OPERATION

FACILITY LOAD EXCEEDS THE CAPACITY OF THE UTILITY SYSTEM OR IN RESPONSE TO A UTILITY SYSTEM LIMITATION / CONDITION. THE POWER MONITORING SYSTEM SHALL SENSE THE FACILITY LOAD APPROACHING THE PRESET LIMIT AND SHALL SEQUENTIALLY DE-ENERGIZE NON-PRIORITY LOADS AS NECESSARY.




NOTES: (#)

1. GENERATOR CONTROL SYSTEM, TO BE PROVIDED BY GENERATOR MANUFACTURER.
2. START/STOP SIGNAL. WIRING PER MANUFACTURER'S RECOMMENDATIONS.
3. POWER / LOAD MANAGEMENT AND BREAKER CONTROL SYSTEM FOR PROGRAMMED LOAD TRANSFER, TO BE PROVIDED BY SWITCHGEAR MANUFACTURER. THE SYSTEM SHALL BE UTILITY GRADE RELAY SYSTEM ACCEPTABLE TO NYSEG FOR OPEN TRANSITION. THE SYSTEM SHALL BE CAPABLE OF PROVIDING ALL FUNCTIONS ACCORDING TO SEQUENCE OF OPERATION FOR MULTIPLE MODES OF OPERATION. THE SYSTEM SHALL BE CAPABLE OF VOLTAGE AND LOAD MONITORING FOR OPEN TRANSITION TRANSFER, AND CONTROLLING THE MAIN AND BACKUP POWER BREAKERS.
4. RELAYING CLASS INSTRUMENT TRANSFORMERS. PROVIDE POTENTIAL TRANSFORMERS IF REQUIRED BY THE SYSTEM FOR ACCEPTABLE VOLTAGE.
5. WIRING PER MANUFACTURER'S RECOMMENDATIONS.
6. BREAKER STATUS, OPEN, CLOSE CIRCUITS, WIRING PER MANUFACTURER'S RECOMMENDATIONS.
7. POWER BREAKER ELECTRICALLY OPERATED.
8. ADDRESSABLE LOAD SHED MODULES, QUANTITY AS INDICATED ON DRAWINGS.


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 10/29/2025
**Project Number:** 24003
**Sheet Title:** ONE-LINE DIAGRAM

**Sheet Number:** E501

## Branch Panel: MDP

**Location:** ELEC. 133
**Supply From:**
**Mounting:**
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 65KAIC
**Mains Type:**
**Mains Rating:** 4000 A
**MCB Rating:** 3500 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HDP-C | 800 A | 3 | 15388... 139560... | | | 3 | 600 A | HP-PM5 | 2 |
| 3 | -- | -- | -- | | 13254... 13956... | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 125515... 13956... | -- | -- | -- | 6 |
| 7 | HDP-D | 350 A | 3 | 52298... 193030... | | | 3 | 800 A | HP-PM4 | 8 |
| 9 | -- | -- | -- | | 57874... 19303... | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 48419... 19303... | -- | -- | -- | 12 |
| 13 | HP-PM2 | 800 A | 3 | 15729... 157297... | | | 3 | 800 A | HP-PM1 | 14 |
| 15 | -- | -- | -- | | 15729... 15729... | | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 157297... 15729... | -- | -- | -- | 18 |
| 19 | HDP-B | 800 A | 3 | 21067... 155960... | | | 3 | 800 A | HDP-A | 20 |
| 21 | -- | -- | -- | | 18096... 12928... | | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | 179656... 12820... | -- | -- | -- | 24 |
| 25 | HP-PM3 | 800 A | 3 | 19036... 11165... | | | 3 | 100 A | HP-G1 | 26 |
| 27 | -- | -- | -- | | 19036... 10187... | | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | 190364... 4303 VA | -- | -- | -- | 30 |
| 31 | ATS-EM | 50 A | 3 | 2963 VA 29996... | | | 3 | 600 A | HP-M1 | 32 |
| 33 | -- | -- | -- | | 172 VA 27079... | | -- | -- | -- | 34 |
| 35 | -- | -- | -- | | | 2354 VA 30076... | -- | -- | -- | 36 |
| 37 | HP-FERT | 225 A | 3 | 2700 VA 37733... | | | 3 | 225 A | HP-PM6 | 38 |
| 39 | -- | -- | -- | | 2700... 37733... | | -- | -- | -- | 40 |
| 41 | -- | -- | -- | | | 2700 VA 37733... | -- | -- | -- | 42 |
| | | **Total Load:** | | 1462068 VA | 1386144 VA | 1367140 VA | | | | |
| | | **Total Amps:** | | 5289 A | 5015 A | 4936 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 18800 VA | 100.00% | 18800 VA | | |
| Lighting | 24582 VA | 100.00% | 24582 VA | **Total Conn. Load:** | 4215214 VA |
| HVAC | 29500 VA | 100.00% | 29500 VA | **Total Est. Demand:** | 2822290 VA |
| Receptacle | 132772 VA | 53.77% | 71386 VA | **Total Conn. Current:** | 5070 A |
| Computer | 720 VA | 100.00% | 720 VA | **Total Est. Demand...** | 3395 A |
| HVAC - PROCESS | 2683401 VA | 70.00% | 1878381 VA | | |
| Grow Lighting | 1344240 VA | 60.00% | 806544 VA | | |
| Process Equipment | 82000 VA | 70.00% | 57400 VA | | |

**Notes:**

## Branch Panel: HDP-A

**Location:** CORRIDOR C-07
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42KAIC
**Mains Type:**
**Mains Rating:** 1200 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HP-PVEG1 | 225 A | 3 | 27000... 28800... | | | 3 | 225 A | HP-PVEG2 | 2 |
| 3 | -- | -- | -- | | 18000... 25200... | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 19800... 27000... | -- | -- | -- | 6 |
| 7 | HP-PFL3 | 225 A | 3 | 50080... 50080... | | | 3 | 225 A | HP-PFL6 | 8 |
| 9 | -- | -- | -- | | 43040... 43040... | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 40700... 40700... | -- | -- | -- | 12 |
| 13 | | | | | | | | | | 14 |
| 15 | | | | | | | | | | 16 |
| 17 | | | | | | | | | | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | | | | | | | | | | 26 |
| 27 | | | | | | | | | | 28 |
| 29 | | | | | | | | | | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 155960 VA | 129280 VA | 128200 VA | | | | |
| | | **Total Amps:** | | 564 A | 467 A | 463 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 1320 VA | 100.00% | 1320 VA | | |
| Grow Lighting | 412120 VA | 60.00% | 247272 VA | **Total Conn. Load:** | 413440 VA |
| | | | | **Total Est. Demand:** | 248592 VA |
| | | | | **Total Conn. Current:** | 497 A |
| | | | | **Total Est. Demand...** | 299 A |

**Notes:**

## Branch Panel: HDP-B

**Location:** CORRIDOR C-07
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42KAIC
**Mains Type:**
**Mains Rating:** 1200 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HP-PFL2 | 225 A | 3 | 50080... 50080... | | | 3 | 225 A | HP-PFL5 | 2 |
| 3 | -- | -- | -- | | 43040... 43040... | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 40700... 40700... | -- | -- | -- | 6 |
| 7 | HP-PFL1 | 225 A | 3 | 50080... 50080... | | | 3 | 225 A | HP-PFL4 | 8 |
| 9 | -- | -- | -- | | 43040... 43040... | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 40700... 40700... | -- | -- | -- | 12 |
| 13 | T-FL2 | 40 A | 3 | 4908 VA 5448 VA | | | 3 | 40 A | T-FL5 | 14 |
| 15 | -- | -- | -- | | 4438... 4368... | | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 12148... 4708 VA | -- | -- | -- | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | | | | | | | | | | 26 |
| 27 | | | | | | | | | | 28 |
| 29 | | | | | | | | | | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 210676 VA | 180966 VA | 179656 VA | | | | |
| | | **Total Amps:** | | 761 A | 654 A | 649 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 100 VA | 100.00% | 100 VA | | |
| Lighting | 3830 VA | 100.00% | 3830 VA | **Total Conn. Load:** | 571298 VA |
| Receptacle | 34728 VA | 64.40% | 22364 VA | **Total Est. Demand:** | 345878 VA |
| Grow Lighting | 532640 VA | 60.00% | 319584 VA | **Total Conn. Current:** | 687 A |
| | | | | **Total Est. Demand...** | 416 A |

**Notes:**

## Branch Panel: HDP-C

**Location:** CORRIDOR C-05
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 50KAIC
**Mains Type:**
**Mains Rating:** 1200 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HP-PFL9 | 225 A | 3 | 50080... 50080... | | | 3 | 225 A | HP-PFL8 | 2 |
| 3 | -- | -- | -- | | 43040... 43040... | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 40700... 40667... | -- | -- | -- | 6 |
| 7 | HP-PFL7 | 225 A | 3 | 50080... 3648 VA | | | 3 | 40 A | T-FL3 | 8 |
| 9 | -- | -- | -- | | 43040... 3428... | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 40700... 3448 VA | -- | -- | -- | 12 |
| 13 | | | | | | | | | | 14 |
| 15 | | | | | | | | | | 16 |
| 17 | | | | | | | | | | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | | | | | | | | | | 26 |
| 27 | | | | | | | | | | 28 |
| 29 | | | | | | | | | | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 153888 VA | 132548 VA | 125515 VA | | | | |
| | | **Total Amps:** | | 559 A | 482 A | 453 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 2547 VA | 100.00% | 2547 VA | | |
| Receptacle | 9924 VA | 100.00% | 9924 VA | **Total Conn. Load:** | 411951 VA |
| Grow Lighting | 399480 VA | 60.00% | 239688 VA | **Total Est. Demand:** | 252159 VA |
| | | | | **Total Conn. Current:** | 496 A |
| | | | | **Total Est. Demand...** | 303 A |

**Notes:**

## Branch Panel: HDP-D

**Location:** ELECTRICAL 116
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 35KAIC
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | T-4 | 150 A | 3 | 7380 VA 18140... | | | 3 | 400 A | T-3 | 2 |
| 3 | -- | -- | -- | | 9240... 22000... | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 8440 VA 13080... | -- | -- | -- | 6 |
| 7 | HP-M2 | 225 A | 3 | 28133... | | | | | | 8 |
| 9 | -- | -- | -- | | 28133... | | | | | 10 |
| 11 | -- | -- | -- | | | 28133... | | | | 12 |
| 13 | | | | | | | | | | 14 |
| 15 | | | | | | | | | | 16 |
| 17 | | | | | | | | | | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | | | | | | | | | | 26 |
| 27 | | | | | | | | | | 28 |
| 29 | | | | | | | | | | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 52298 VA | 57874 VA | 48419 VA | | | | |
| | | **Total Amps:** | | 191 A | 211 A | 175 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 3900 VA | 100.00% | 3900 VA | | |
| HVAC | 800 VA | 100.00% | 800 VA | **Total Conn. Load:** | 158567 VA |
| Receptacle | 72860 VA | 56.86% | 41430 VA | **Total Est. Demand:** | 103284 VA |
| Computer | 720 VA | 100.00% | 720 VA | **Total Conn. Current:** | 191 A |
| HVAC - PROCESS | 84400 VA | 70.00% | 59080 VA | **Total Est. Demand...** | 124 A |

**Notes:**


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES

**Sheet Number:** E601

## Branch Panel: HDP-EM

**Location:** MECH. 132
**Supply From:** ATS-EM
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 200 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FIRE PANEL | 20 A | 1 | 100 VA | 1389 VA | | | | | 1 | 20 A | Lighting | 2 |
| 3 | Lighting | 20 A | 1 | | | 86 VA | 86 VA | | | 1 | 20 A | Lighting | 4 |
| 5 | Lighting | 20 A | 1 | | | | | 1354 VA | 1000 VA | 3 | 40 A | T-EM1 | 6 |
| 7 | EXTERIOR EM LIGHTING | 20 A | 1 | 494 VA | 1000 VA | | | | | -- | -- | -- | 8 |
| 9 | | | | | | | 0 VA | | | -- | -- | -- | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 2963 VA | | 172 VA | | 2354 VA | | | | | |
| | | **Total Amps:** | | 12 A | | 1 A | | 10 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 2100 VA | 100.00% | 2100 VA | | |
| Lighting | 3387 VA | 100.00% | 3387 VA | **Total Conn. Load:** | 5480 VA |
| | | | | **Total Est. Demand:** | 5480 VA |
| | | | | **Total Conn. Current:** | 7 A |
| | | | | **Total Est. Demand...** | 7 A |

**Notes:**

## Branch Panel: HP-G1

**Location:** ELEC. 133
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Lighting | 20 A | 1 | 2371 VA | 2171 VA | | | | | 1 | 20 A | CORRIDOR LIGHTING | 2 |
| 3 | RECIEVING/FERT LIGHTING | 20 A | 1 | | | 2340... | 3450... | | | 3 | 20 A | 15 kVA, 277 V/480 V, Three... | 4 |
| 5 | ELEC ROOM LIGHTING | 20 A | 1 | | | | | 172 VA | 2830 VA | -- | -- | -- | 6 |
| 7 | MECH ROOM LIGHTING | 20 A | 1 | 172 VA | 5340 VA | | | | | -- | -- | -- | 8 |
| 9 | Lighting | 20 A | 1 | | | 1155... | 2910... | | | 1 | 20 A | Lighting | 10 |
| 11 | Lighting | 20 A | 1 | | | | | 997 VA | 333 VA | 3 | 20 A | Power | 12 |
| 13 | EXTERIOR LIGHTING | 20 A | 1 | 848 VA | 333 VA | | | | | -- | -- | -- | 14 |
| 15 | | | | | | | 333 VA | | | -- | -- | -- | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 11165 VA | | 10187 VA | | 4303 VA | | | | | |
| | | **Total Amps:** | | 44 A | | 40 A | | 16 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 1950 VA | 100.00% | 1950 VA | | |
| Lighting | 13515 VA | 100.00% | 13515 VA | **Total Conn. Load:** | 25648 VA |
| Receptacle | 10200 VA | 99.02% | 10100 VA | **Total Est. Demand:** | 25548 VA |
| | | | | **Total Conn. Current:** | 31 A |
| | | | | **Total Est. Demand...** | 31 A |

**Notes:**

## Branch Panel: LP-EM

**Location:** MECH. 132
**Supply From:** T-EM1
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 50 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Power | 20 A | 1 | 500 VA | 500 VA | | | | | 1 | 20 A | Power | 2 |
| 3 | Power | 20 A | 1 | | | 500 VA | 500 VA | | | 1 | 20 A | Power | 4 |
| 5 | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 1000 VA | | 1000 VA | | 0 VA | | | | | |
| | | **Total Amps:** | | 10 A | | 10 A | | 0 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 2000 VA | 100.00% | 2000 VA | | |
| | | | | **Total Conn. Load:** | 2000 VA |
| | | | | **Total Est. Demand:** | 2000 VA |
| | | | | **Total Conn. Current:** | 6 A |
| | | | | **Total Est. Demand...** | 6 A |

**Notes:**

## Branch Panel: LP-G1

**Location:** CORRIDOR C-05
**Supply From:** T-2
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 50 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Lighting | 20 A | 1 | 470 VA | 100 VA | | | | | 1 | 20 A | Power | 2 |
| 3 | | | | | | | 1080... | | | 1 | 20 A | Receptacle | 4 |
| 5 | | | | | | | | | 1440 VA | 1 | 20 A | Receptacle | 6 |
| 7 | | | | | 180 VA | | | | | 1 | 20 A | Receptacle | 8 |
| 9 | VAV'S | 15 A | 1 | | | 350 VA | 900 VA | | | 1 | 20 A | Receptacle | 10 |
| 11 | Receptacle | 20 A | 1 | | | | | 360 VA | 540 VA | 1 | 20 A | Receptacle | 12 |
| 13 | Receptacle | 20 A | 1 | 1260 VA | 1440 VA | | | | | 1 | 20 A | Receptacle | 14 |
| 15 | DOOR POWER SUPPLY | 20 A | 1 | | | 500 VA | | | | | | | 16 |
| 17 | ICE MACHINE (NOTE 1) | 20 A | 1 | | | | | 1500 VA | 1500 VA | 1 | 20 A | WASH MACHINE | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 3450 VA | | 2830 VA | | 5340 VA | | | | | |
| | | **Total Amps:** | | 30 A | | 24 A | | 45 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 950 VA | 100.00% | 950 VA | | |
| Lighting | 470 VA | 100.00% | 470 VA | **Total Conn. Load:** | 11620 VA |
| Receptacle | 10200 VA | 99.02% | 10100 VA | **Total Est. Demand:** | 11520 VA |
| | | | | **Total Conn. Current:** | 32 A |
| | | | | **Total Est. Demand...** | 32 A |

**Notes:**


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - EMERGENCY, GENERAL

**Sheet Number:** E602

## Branch Panel: HP-PFL1

**Location:** CORRIDOR C-07
**Supply From:** HDP-B
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 1 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 1 UNDERCANOPY... | 38 |
| 39 | FLOWER 1 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 1 UNDERCANOPY... | 40 |
| 41 | FLOWER 1 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 1 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL2

**Location:** CORRIDOR C-07
**Supply From:** HDP-B
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 2 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 2 UNDERCANOPY... | 38 |
| 39 | FLOWER 2 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 2 UNDERCANOPY... | 40 |
| 41 | FLOWER 2 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 2 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL3

**Location:** CORRIDOR C-07
**Supply From:** HDP-A
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 3 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 3 UNDERCANOPY... | 38 |
| 39 | FLOWER 3 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 3 UNDERCANOPY... | 40 |
| 41 | FLOWER 3 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 3 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL4

**Location:** CORRIDOR C-07
**Supply From:** HDP-B
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 4 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 4 UNDERCANOPY... | 38 |
| 39 | FLOWER 4 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 4 UNDERCANOPY... | 40 |
| 41 | FLOWER 4 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 4 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL5

**Location:** CORRIDOR C-07
**Supply From:** HDP-B
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 5 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 5 UNDERCANOPY... | 38 |
| 39 | FLOWER 5 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 5 UNDERCANOPY... | 40 |
| 41 | FLOWER 5 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 5 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL6

**Location:** CORRIDOR C-07
**Supply From:** HDP-A
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 6 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 6 UNDERCANOPY... | 38 |
| 39 | FLOWER 6 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 6 UNDERCANOPY... | 40 |
| 41 | FLOWER 6 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 6 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - FLOWER ROOMS

**Sheet Number:** E603

## Branch Panel: HP-PFL7

**Location:** CORRIDOR C-05 | **Supply From:** HDP-C | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 480Y/277 | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** | **Mains Type:** | **Mains Rating:** 225 A | **MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 7 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 7 UNDERCANOPY... | 38 |
| 39 | FLOWER 7 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 7 UNDERCANOPY... | 40 |
| 41 | FLOWER 7 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 7 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL8

**Location:** CORRIDOR C-05 | **Supply From:** HDP-C | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 480Y/277 | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** | **Mains Type:** | **Mains Rating:** 225 A | **MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 627 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 8 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 8 UNDERCANOPY... | 38 |
| 39 | FLOWER 8 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 8 UNDERCANOPY... | 40 |
| 41 | FLOWER 8 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 8 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40667 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 627 VA | 100.00% | 627 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133787 VA |
| | | | | **Total Est. Demand:** | 80523 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: HP-PFL9

**Location:** CORRIDOR C-05 | **Supply From:** HDP-C | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 480Y/277 | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** | **Mains Type:** | **Mains Rating:** 225 A | **MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 26 |
| 27 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 28 |
| 29 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 3000 VA | 1 | 20 A | Grow Lighting | 30 |
| 31 | Grow Lighting | 20 A | 1 | 3000 VA | 3000 VA | | | | | 1 | 20 A | Grow Lighting | 32 |
| 33 | Grow Lighting | 20 A | 1 | | | 3000... | 3000... | | | 1 | 20 A | Grow Lighting | 34 |
| 35 | Grow Lighting | 20 A | 1 | | | | | 3000 VA | 660 VA | 1 | 20 A | Lighting | 36 |
| 37 | FLOWER 9 UNDERCANOPY... | 20 A | 1 | 3520 VA | 3520 VA | | | | | 1 | 20 A | FLOWER 9 UNDERCANOPY... | 38 |
| 39 | FLOWER 9 UNDERCANOPY... | 20 A | 1 | | | 3520... | 3520... | | | 1 | 20 A | FLOWER 9 UNDERCANOPY... | 40 |
| 41 | FLOWER 9 UNDERCANOPY... | 20 A | 1 | | | | | 3520 VA | 3520 VA | 1 | 20 A | FLOWER 9 UNDERCANOPY... | 42 |
| | | **Total Load:** | | 50080 VA | | 43040 VA | | 40700 VA | | | | | |
| | | **Total Amps:** | | 182 A | | 157 A | | 147 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 660 VA | 100.00% | 660 VA | | |
| Grow Lighting | 133160 VA | 60.00% | 79896 VA | **Total Conn. Load:** | 133820 VA |
| | | | | **Total Est. Demand:** | 80556 VA |
| | | | | **Total Conn. Current:** | 161 A |
| | | | | **Total Est. Demand...** | 97 A |

**Notes:**

## Branch Panel: LP-FL1

**Location:** CORRIDOR C-07 | **Supply From:** T-FL1 | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 208Y/120 | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** | **Mains Type:** | **Mains Rating:** 225 A | **MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FLOWER 1 FAN RECPTACLES | 20 A | 1 | 1248 VA | 200 VA | | | | | 1 | 20 A | FLOWER 1 GREEN LIGHTS | 2 |
| 3 | FLOWER 2 FAN RECPTACLES | 20 A | 1 | | | 1248... | 190 VA | | | 1 | 20 A | FLOWER 2 GREEN LIGHTS | 4 |
| 5 | FLOWER 3 FAN RECPTACLES | 20 A | 1 | | | | | 1248 VA | 200 VA | 1 | 20 A | FLOWER 3 GREEN LIGHTS | 6 |
| 7 | FLOWER 1 LIGHTING... | 20 A | 1 | 180 VA | 360 VA | | | | | 1 | 20 A | FLOWER 1 RECP | 8 |
| 9 | FLOWER 2 LIGHTING... | 20 A | 1 | | | 180 VA | 360 VA | | | 1 | 20 A | FLOWER 2 RECP | 10 |
| 11 | FLOWER 3 LIGHTING... | 20 A | 1 | | | | | 180 VA | 360 VA | 1 | 20 A | FLOWER 3 RECP | 12 |
| 13 | FLOWER 1 CO2 MONITOR | 20 A | 1 | 360 VA | 360 VA | | | | | 1 | 20 A | FLOWER 1 RECP | 14 |
| 15 | FLOWER 2 CO2 MONITOR | 20 A | 1 | | | 360 VA | 360 VA | | | 1 | 20 A | FLOWER 2 RECP | 16 |
| 17 | FLOWER 3 CO2 MONITOR | 20 A | 1 | | | | | 360 VA | 360 VA | 1 | 20 A | FLOWER 3 RECP | 18 |
| 19 | FLOWER 1 RECP | 20 A | 1 | 540 VA | 1080 VA | | | | | 1 | 20 A | VEG 2 FAN RECEPTACLES | 20 |
| 21 | FLOWER 2 RECP | 20 A | 1 | | | 540 VA | 900 VA | | | 1 | 20 A | VEG 2 RECP | 22 |
| 23 | FLOWER 3 RECP | 20 A | 1 | | | | | 540 VA | 900 VA | 1 | 20 A | VEG 2 RECP | 24 |
| 25 | VEG 2 LIGHTING CONTROLLER | 20 A | 1 | 180 VA | 200 VA | | | | | 2 | 20 A | Receptacle | 26 |
| 27 | Receptacle | 20 A | 2 | | | 200 VA | 0 VA | | | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | | | 0 VA | 8000 VA | 2 | 20 A | Receptacle | 30 |
| 31 | Receptacle | 20 A | 2 | 200 VA | 0 VA | | | | | -- | -- | -- | 32 |
| 33 | -- | -- | -- | | | 0 VA | 100 VA | | | 1 | 20 A | DOOR POWER SUPPLY | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 4908 VA | | 4438 VA | | 12148 VA | | | | | |
| | | **Total Amps:** | | 42 A | | 37 A | | 102 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 100 VA | 100.00% | 100 VA | | |
| Lighting | 590 VA | 100.00% | 590 VA | **Total Conn. Load:** | 21494 VA |
| Receptacle | 20804 VA | 74.03% | 15402 VA | **Total Est. Demand:** | 16092 VA |
| | | | | **Total Conn. Current:** | 60 A |
| | | | | **Total Est. Demand...** | 45 A |

**Notes:**

## Branch Panel: LP-FL2

**Location:** CORRIDOR C-07 | **Supply From:** T-FL2 | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 208Y/120 | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** | **Mains Type:** | **Mains Rating:** 225 A | **MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FLOWER 4 FAN RECPTACLES | 20 A | 1 | 1248 VA | 200 VA | | | | | 1 | 20 A | FLOWER 4 GREEN LIGHTS | 2 |
| 3 | FLOWER 5 FAN RECPTACLES | 20 A | 1 | | | 1248... | 200 VA | | | 1 | 20 A | FLOWER 5 GREEN LIGHTS | 4 |
| 5 | FLOWER 6 FAN RECPTACLES | 20 A | 1 | | | | | 1248 VA | 200 VA | 1 | 20 A | FLOWER 6 GREEN LIGHTS | 6 |
| 7 | FLOWER 4 LIGHTING... | 20 A | 1 | 180 VA | 360 VA | | | | | 1 | 20 A | FLOWER 4 RECP | 8 |
| 9 | FLOWER 5 LIGHTING... | 20 A | 1 | | | 180 VA | 360 VA | | | 1 | 20 A | FLOWER 5 RECP | 10 |
| 11 | FLOWER 6 LIGHTING... | 20 A | 1 | | | | | 180 VA | 360 VA | 1 | 20 A | FLOWER 6 RECP | 12 |
| 13 | FLOWER 4 CO2 MONITOR | 20 A | 1 | 360 VA | 360 VA | | | | | 1 | 20 A | FLOWER 4 RECP | 14 |
| 15 | FLOWER 5 CO2 MONITOR | 20 A | 1 | | | 360 VA | 360 VA | | | 1 | 20 A | FLOWER 5 RECP | 16 |
| 17 | FLOWER 6 CO2 MONITOR | 20 A | 1 | | | | | 360 VA | 360 VA | 1 | 20 A | FLOWER 6 RECP | 18 |
| 19 | FLOWER 4 RECP | 20 A | 1 | 540 VA | 720 VA | | | | | 1 | 20 A | VEG 1 FAN RECEPTACLES | 20 |
| 21 | FLOWER 5 RECP | 20 A | 1 | | | 540 VA | 720 VA | | | 1 | 20 A | VEG 1 RECP | 22 |
| 23 | FLOWER 6 RECP | 20 A | 1 | | | | | 540 VA | 1080 VA | 1 | 20 A | VEG 1 RECP | 24 |
| 25 | VEG 1 LIGHTING CONTROLLER | 20 A | 1 | 180 VA | 200 VA | | | | | 2 | 20 A | Receptacle | 26 |
| 27 | Receptacle | 20 A | 2 | | | 200 VA | 0 VA | | | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | | | 0 VA | 200 VA | 2 | 20 A | Receptacle | 30 |
| 31 | Receptacle | 20 A | 2 | 200 VA | 0 VA | | | | | -- | -- | -- | 32 |
| 33 | -- | -- | -- | | | 0 VA | 200 VA | | | 2 | 20 A | Receptacle | 34 |
| 35 | SMARTFOG | 20 A | 1 | | | | | 180 VA | 0 VA | -- | -- | -- | 36 |
| 37 | ROOFTOP GFCI | 20 A | 1 | 900 VA | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 5448 VA | | 4368 VA | | 4708 VA | | | | | |
| | | **Total Amps:** | | 46 A | | 36 A | | 40 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 600 VA | 100.00% | 600 VA | | |
| Receptacle | 13924 VA | 85.91% | 11962 VA | **Total Conn. Load:** | 14524 VA |
| | | | | **Total Est. Demand:** | 12562 VA |
| | | | | **Total Conn. Current:** | 40 A |
| | | | | **Total Est. Demand...** | 35 A |

**Notes:**

## Branch Panel: LP-FL3

**Location:** CORRIDOR C-05 | **Supply From:** T-FL3 | **Mounting:** Surface | **Enclosure:** Type 1
**Volts:** 208Y/120 | **Phases:** 3 | **Wires:** 4
**A.I.C. Rating:** | **Mains Type:** | **Mains Rating:** 225 A | **MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FLOWER 7 FAN RECPTACLES | 20 A | 1 | 1248 VA | 200 VA | | | | | 1 | 20 A | FLOWER 7 GREEN LIGHTS | 2 |
| 3 | FLOWER 8 FAN RECPTACLES | 20 A | 1 | | | 1248... | 200 VA | | | 1 | 20 A | FLOWER 8 GREEN LIGHTS | 4 |
| 5 | FLOWER 9 FAN RECPTACLES | 20 A | 1 | | | | | 1248 VA | 200 VA | 1 | 20 A | FLOWER 9 GREEN LIGHTS | 6 |
| 7 | FLOWER 7 LIGHTING... | 20 A | 1 | 180 VA | 360 VA | | | | | 1 | 20 A | FLOWER 7 RECP | 8 |
| 9 | FLOWER 8 LIGHTING... | 20 A | 1 | | | 180 VA | 360 VA | | | 1 | 20 A | FLOWER 8 RECP | 10 |
| 11 | FLOWER 9 LIGHTING... | 20 A | 1 | | | | | 180 VA | 360 VA | 1 | 20 A | FLOWER 9 RECP | 12 |
| 13 | FLOWER 7 CO2 MONITOR | 20 A | 1 | 360 VA | 540 VA | | | | | 1 | 20 A | FLOWER 7 RECP | 14 |
| 15 | FLOWER 8 CO2 MONITOR | 20 A | 1 | | | 360 VA | 540 VA | | | 1 | 20 A | FLOWER 8 RECP | 16 |
| 17 | FLOWER 9 CO2 MONITOR | 20 A | 1 | | | | | 360 VA | 540 VA | 1 | 20 A | FLOWER 9 RECP | 18 |
| 19 | FLOWER 7 RECP | 20 A | 1 | 360 VA | 200 VA | | | | | 2 | 20 A | Receptacle | 20 |
| 21 | FLOWER 8 RECP | 20 A | 1 | | | 360 VA | 0 VA | | | -- | -- | -- | 22 |
| 23 | FLOWER 9 RECP | 20 A | 1 | | | | | 360 VA | 200 VA | 2 | 20 A | Receptacle | 24 |
| 25 | Receptacle | 20 A | 2 | 200 VA | 0 VA | | | | | -- | -- | -- | 26 |
| 27 | -- | -- | -- | | | 0 VA | 180 VA | | | 1 | 20 A | SMARTFOG | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 3648 VA | | 3428 VA | | 3448 VA | | | | | |
| | | **Total Amps:** | | 30 A | | 29 A | | 29 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Lighting | 600 VA | 100.00% | 600 VA | | |
| Receptacle | 9924 VA | 100.00% | 9924 VA | **Total Conn. Load:** | 10524 VA |
| | | | | **Total Est. Demand:** | 10524 VA |
| | | | | **Total Conn. Current:** | 29 A |
| | | | | **Total Est. Demand...** | 29 A |

**Notes:**


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10/31/2027
TRAUTMAN ASSOCIATES


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - FLOWER ROOMS

**Sheet Number:** E604

## Branch Panel: LDP-1

**Location:** CORRIDOR C-04
**Supply From:** T-3
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 600 A
**MCB Rating:** 500 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LP-P2 | 200 A | 3 | 5040 VA | 4780 VA | | | | | 3 | 200 A | LP-P3 | 2 |
| 3 | -- | -- | -- | | | 5400... | 3600... | | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | | | 5040 VA | 4040 VA | -- | -- | -- | 6 |
| 7 | LP-P3 | 200 A | 3 | 5720 VA | 2600 VA | | | | | 3 | 100 A | LP-G3 | 8 |
| 9 | -- | -- | -- | | | 4000... | 9000... | | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | | | 4000 VA | 0 VA | -- | -- | -- | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 18140 VA | | 22000 VA | | 13080 VA | | | | | |
| | | **Total Amps:** | | 158 A | | 190 A | | 109 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 1800 VA | 100.00% | 1800 VA | | |
| HVAC | 800 VA | 100.00% | 800 VA | **Total Conn. Load:** | 53220 VA |
| Receptacle | 50620 VA | 59.88% | 30310 VA | **Total Est. Demand:** | 32910 VA |
| | | | | **Total Conn. Current:** | 148 A |
| | | | | **Total Est. Demand...** | 91 A |

**Notes:**

## Branch Panel: LP-P1

**Location:** CORRIDOR C-04
**Supply From:** LDP-1
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Receptacle | 20 A | 1 | 360 VA | 360 VA | | | | | 1 | 20 A | Receptacle | 2 |
| 3 | Receptacle | 20 A | 1 | | | 360 VA | 360 VA | | | 1 | 20 A | Receptacle | 4 |
| 5 | Receptacle | 20 A | 1 | | | | | 360 VA | 360 VA | 1 | 20 A | Receptacle | 6 |
| 7 | Receptacle | 20 A | 1 | 360 VA | 360 VA | | | | | 1 | 20 A | Receptacle | 8 |
| 9 | Receptacle | 20 A | 1 | | | 360 VA | 360 VA | | | 1 | 20 A | Receptacle | 10 |
| 11 | Receptacle | 20 A | 1 | | | | | 360 VA | 360 VA | 1 | 20 A | Receptacle | 12 |
| 13 | Receptacle | 20 A | 1 | 720 VA | 720 VA | | | | | 1 | 20 A | Receptacle | 14 |
| 15 | Receptacle | 20 A | 1 | | | 720 VA | 1080... | | | 1 | 20 A | CORRIDOR RECEPTACLES | 16 |
| 17 | Receptacle | 20 A | 1 | | | | | 540 VA | 540 VA | 1 | 20 A | Receptacle | 18 |
| 19 | Receptacle | 20 A | 1 | 540 VA | 540 VA | | | | | 1 | 20 A | Receptacle | 20 |
| 21 | Receptacle | 20 A | 1 | | | 540 VA | 540 VA | | | 1 | 20 A | Receptacle | 22 |
| 23 | Receptacle | 20 A | 1 | | | | | 900 VA | 900 VA | 1 | 20 A | Receptacle | 24 |
| 25 | Receptacle | 20 A | 1 | 540 VA | 540 VA | | | | | 1 | 20 A | Receptacle | 26 |
| 27 | Receptacle | 20 A | 1 | | | 540 VA | 540 VA | | | 1 | 20 A | Receptacle | 28 |
| 29 | Receptacle | 20 A | 1 | | | | | 540 VA | 180 VA | 1 | 20 A | WASH 119 RECP | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 5040 VA | | 5400 VA | | 5040 VA | | | | | |
| | | **Total Amps:** | | 42 A | | 45 A | | 42 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Receptacle | 15480 VA | 82.30% | 12740 VA | | |
| | | | | **Total Conn. Load:** | 15480 VA |
| | | | | **Total Est. Demand:** | 12740 VA |
| | | | | **Total Conn. Current:** | 43 A |
| | | | | **Total Est. Demand...** | 35 A |

**Notes:**

## Branch Panel: LP-P2

**Location:** CORRIDOR C-04
**Supply From:** LDP-1
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Receptacle | 20 A | 1 | 540 VA | 360 VA | | | | | 1 | 20 A | Receptacle | 2 |
| 3 | Receptacle | 20 A | 1 | | | 540 VA | 360 VA | | | 1 | 20 A | Receptacle | 4 |
| 5 | Receptacle | 20 A | 1 | | | | | 540 VA | 540 VA | 1 | 20 A | Receptacle | 6 |
| 7 | Receptacle | 20 A | 1 | 540 VA | 540 VA | | | | | 1 | 20 A | Receptacle | 8 |
| 9 | Receptacle | 20 A | 1 | | | 540 VA | 360 VA | | | 1 | 20 A | Receptacle | 10 |
| 11 | Receptacle | 20 A | 1 | | | | | 360 VA | 1000 VA | 2 | 20 A | Receptacle | 12 |
| 13 | Receptacle | 20 A | 2 | 1000 VA | 0 VA | | | | | -- | -- | -- | 14 |
| 15 | -- | -- | -- | | | 0 VA | 1000... | | | 2 | 20 A | Receptacle | 16 |
| 17 | Receptacle | 20 A | 2 | | | | | 1000 VA | 0 VA | -- | -- | -- | 18 |
| 19 | -- | -- | -- | 0 VA | 1000 VA | | | | | 2 | 20 A | Receptacle | 20 |
| 21 | Receptacle | 20 A | 2 | | | 200 VA | 0 VA | | | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | | | 0 VA | 200 VA | 2 | 20 A | Receptacle | 24 |
| 25 | Receptacle | 20 A | 2 | 200 VA | 0 VA | | | | | -- | -- | -- | 26 |
| 27 | -- | -- | -- | | | 0 VA | 200 VA | | | 2 | 20 A | Receptacle | 28 |
| 29 | Receptacle | 20 A | 2 | | | | | 200 VA | 0 VA | -- | -- | -- | 30 |
| 31 | -- | -- | -- | 0 VA | 200 VA | | | | | 2 | 20 A | Receptacle | 32 |
| 33 | Receptacle | 20 A | 2 | | | 200 VA | 0 VA | | | -- | -- | -- | 34 |
| 35 | -- | -- | -- | | | | | 0 VA | 200 VA | 2 | 15 A | EF-13 | 36 |
| 37 | EF-14 | 15 A | 2 | 200 VA | 200 VA | | | | | -- | -- | -- | 38 |
| 39 | -- | -- | -- | | | 200 VA | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 4780 VA | | 3600 VA | | 4040 VA | | | | | |
| | | **Total Amps:** | | 40 A | | 30 A | | 34 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC | 800 VA | 100.00% | 800 VA | | |
| Receptacle | 11620 VA | 93.03% | 10810 VA | **Total Conn. Load:** | 12420 VA |
| | | | | **Total Est. Demand:** | 11610 VA |
| | | | | **Total Conn. Current:** | 34 A |
| | | | | **Total Est. Demand...** | 32 A |

**Notes:**

## Branch Panel: LP-P3

**Location:** CORRIDOR C-04
**Supply From:** LDP-1
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PACKAGING EQUIP. | 30 A | 2 | 1000 VA | 1000 VA | | | | | 2 | 30 A | PACKAGING EQUIP. | 2 |
| 3 | -- | -- | -- | | | 0 VA | 0 VA | | | -- | -- | -- | 4 |
| 5 | PACKAGING EQUIP. | 30 A | 2 | | | | | 1000 VA | 1000 VA | 2 | 30 A | PACKAGING EQUIP. | 6 |
| 7 | -- | -- | -- | 0 VA | 0 VA | | | | | -- | -- | -- | 8 |
| 9 | PACKAGING EQUIP. | 30 A | 2 | | | 1000... | 1000... | | | 2 | 30 A | PACKAGING EQUIP. | 10 |
| 11 | -- | -- | -- | | | | | 0 VA | 0 VA | -- | -- | -- | 12 |
| 13 | PACKAGING EQUIP. | 30 A | 2 | 1000 VA | 1000 VA | | | | | 2 | 30 A | PACKAGING EQUIP. | 14 |
| 15 | -- | -- | -- | | | 0 VA | 0 VA | | | -- | -- | -- | 16 |
| 17 | PACKAGING EQUIP. | 30 A | 2 | | | | | 1000 VA | 1000 VA | 2 | 30 A | PACKAGING EQUIP. | 18 |
| 19 | -- | -- | -- | 0 VA | 0 VA | | | | | -- | -- | -- | 20 |
| 21 | PACKAGING EQUIP. | 30 A | 2 | | | 1000... | 1000... | | | 2 | 30 A | PACKAGING EQUIP. | 22 |
| 23 | -- | -- | -- | | | | | 0 VA | 0 VA | -- | -- | -- | 24 |
| 25 | PACKAGING EQUIP. | 30 A | 2 | 1000 VA | 720 VA | | | | | 1 | 20 A | DIST RECP | 26 |
| 27 | -- | -- | -- | | | 0 VA | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 5720 VA | | 4000 VA | | 4000 VA | | | | | |
| | | **Total Amps:** | | 48 A | | 33 A | | 33 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Receptacle | 13720 VA | 86.44% | 11860 VA | | |
| | | | | **Total Conn. Load:** | 13720 VA |
| | | | | **Total Est. Demand:** | 11860 VA |
| | | | | **Total Conn. Current:** | 38 A |
| | | | | **Total Est. Demand...** | 33 A |

**Notes:**

## Branch Panel: LP-G3

**Location:** CORRIDOR C-04
**Supply From:** LDP-1
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Receptacle | 20 A | 1 | 360 VA | 360 VA | | | | | 1 | 20 A | Receptacle | 2 |
| 3 | Receptacle | 20 A | 2 | | | 4000... | 4000... | | | 2 | 20 A | Receptacle | 4 |
| 5 | -- | -- | -- | | | | | 0 VA | 0 VA | -- | -- | -- | 6 |
| 7 | Receptacle | 20 A | 1 | 360 VA | 800 VA | | | | | 1 | 20 A | DOOR POWER SUPPLY | 8 |
| 9 | MENS HAND DRYER | 20 A | 1 | | | 500 VA | 500 VA | | | 1 | 20 A | WOMENS HAND DRYER | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | | | | | 720 VA | | | | | 1 | 20 A | Receptacle | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 2600 VA | | 9000 VA | | 0 VA | | | | | |
| | | **Total Amps:** | | 25 A | | 78 A | | 0 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 1800 VA | 100.00% | 1800 VA | | |
| Receptacle | 9800 VA | 100.00% | 9800 VA | **Total Conn. Load:** | 11600 VA |
| | | | | **Total Est. Demand:** | 11600 VA |
| | | | | **Total Conn. Current:** | 32 A |
| | | | | **Total Est. Demand...** | 32 A |

**Notes:**


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10/31/2027
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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - PACKAGING CORRIDOR

**Sheet Number:** E605

## Branch Panel: HP-PM1

**Location:** CORRIDOR C-07
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42KAIC
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AHU-4B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-4A | 2 |
| 3 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 6 |
| 7 | AHU-1B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-1A | 8 |
| 9 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 12 |
| 13 | EF-1 | 15 A | 3 | 720 VA | 720 VA | | 3 | 15 A | EF-4 | 14 |
| 15 | -- | -- | -- | | 720 VA | 720 VA | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 720 VA | 720 VA | -- | -- | -- | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | | | | | | | | | | 26 |
| 27 | | | | | | | | | | 28 |
| 29 | | | | | | | | | | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 157297 VA | 157297 VA | 157297 VA | | | | |
| | | **Total Amps:** | | 568 A | 568 A | 568 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 471892 VA | 70.00% | 330324 VA | | |
| | | | | **Total Conn. Load:** | 471892 VA |
| | | | | **Total Est. Demand:** | 330324 VA |
| | | | | **Total Conn. Current:** | 568 A |
| | | | | **Total Est. Demand...** | 397 A |

**Notes:**

## Branch Panel: HP-PM2

**Location:** CORRIDOR C-07
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42KAIC
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AHU-5B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-5A | 2 |
| 3 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 6 |
| 7 | AHU-2B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-2A | 8 |
| 9 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 12 |
| 13 | EF-2 | 15 A | 3 | 720 VA | 720 VA | | 3 | 15 A | EF-5 | 14 |
| 15 | -- | -- | -- | | 720 VA | 720 VA | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 720 VA | 720 VA | -- | -- | -- | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | | | | | | | | | | 26 |
| 27 | | | | | | | | | | 28 |
| 29 | | | | | | | | | | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 157297 VA | 157297 VA | 157297 VA | | | | |
| | | **Total Amps:** | | 568 A | 568 A | 568 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 471892 VA | 70.00% | 330324 VA | | |
| | | | | **Total Conn. Load:** | 471892 VA |
| | | | | **Total Est. Demand:** | 330324 VA |
| | | | | **Total Conn. Current:** | 568 A |
| | | | | **Total Est. Demand...** | 397 A |

**Notes:**

## Branch Panel: HP-PM3

**Location:** CORRIDOR C-07
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42KAIC
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AHU-6B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-6A | 2 |
| 3 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 6 |
| 7 | AHU-3B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-3A | 8 |
| 9 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 12 |
| 13 | EF-3 | 15 A | 3 | 720 VA | 720 VA | | 3 | 15 A | EF-6 | 14 |
| 15 | -- | -- | -- | | 720 VA | 720 VA | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 720 VA | 720 VA | -- | -- | -- | 18 |
| 19 | ACC-2 | 25 A | 3 | 3200 VA | 3200 VA | | 3 | 25 A | ACC-1 | 20 |
| 21 | -- | -- | -- | | 3200... | 3200... | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | 3200 VA | 3200 VA | -- | -- | -- | 24 |
| 25 | AHU-11A | 60 A | 3 | 13333... | 13333... | | 3 | 60 A | AHU-11B | 26 |
| 27 | -- | -- | -- | | 13333... | 13333... | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | 13333... | 13333... | -- | -- | -- | 30 |
| 31 | | | | | | | | | | 32 |
| 33 | | | | | | | | | | 34 |
| 35 | | | | | | | | | | 36 |
| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 190364 VA | 190364 VA | 190364 VA | | | | |
| | | **Total Amps:** | | 687 A | 687 A | 687 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 571091 VA | 70.00% | 399764 VA | | |
| | | | | **Total Conn. Load:** | 571091 VA |
| | | | | **Total Est. Demand:** | 399764 VA |
| | | | | **Total Conn. Current:** | 687 A |
| | | | | **Total Est. Demand...** | 481 A |

**Notes:**

## Branch Panel: HP-PM4

**Location:** CORRIDOR C-05
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 42KAIC
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AHU-7A | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-7B | 2 |
| 3 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 6 |
| 7 | AHU-8A | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-8B | 8 |
| 9 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 12 |
| 13 | EF-8 | 15 A | 3 | 720 VA | 720 VA | | 3 | 15 A | EF-7 | 14 |
| 15 | -- | -- | -- | | 720 VA | 720 VA | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 720 VA | 720 VA | -- | -- | -- | 18 |
| 19 | AHU-14 | 35 A | 3 | 6400 VA | 7333 VA | | 3 | 40 A | ACC-6A | 20 |
| 21 | -- | -- | -- | | 6400... | 7333... | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | 6400 VA | 7333 VA | -- | -- | -- | 24 |
| 25 | ACC-6B | 40 A | 3 | 7333 VA | 7333 VA | | 3 | 40 A | ACC-7A | 26 |
| 27 | -- | -- | -- | | 7333... | 7333... | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | 7333 VA | 7333 VA | -- | -- | -- | 30 |
| 31 | ACC-7B | 40 A | 3 | 7333 VA | | | | | | | 32 |
| 33 | -- | -- | -- | | 7333... | | | | | | 34 |
| 35 | -- | -- | -- | | | 7333 VA | | | | | 36 |
| 37 | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | 42 |
| | | **Total Load:** | | 193030 VA | 193030 VA | 193030 VA | | | | |
| | | **Total Amps:** | | 697 A | 697 A | 697 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 579091 VA | 70.00% | 405364 VA | | |
| | | | | **Total Conn. Load:** | 579091 VA |
| | | | | **Total Est. Demand:** | 405364 VA |
| | | | | **Total Conn. Current:** | 697 A |
| | | | | **Total Est. Demand...** | 488 A |

**Notes:**

## Branch Panel: HP-PM5

**Location:** CORRIDOR C-05
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 50KAIC
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AHU-9B | 175 A | 3 | 39000... | 39000... | | 3 | 175 A | AHU-9A | 2 |
| 3 | -- | -- | -- | | 39000... | 39000... | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 39000... | 39000... | -- | -- | -- | 6 |
| 7 | MURRAY MIXER | 60 A | 3 | 13333... | 387 VA | | 3 | 15 A | EF-11 | 8 |
| 9 | -- | -- | -- | | 13333... | 387 VA | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 13333... | 387 VA | -- | -- | -- | 12 |
| 13 | EF-10 | 15 A | 3 | 387 VA | 720 VA | | 3 | 15 A | EF-9 | 14 |
| 15 | -- | -- | -- | | 387 VA | 720 VA | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 387 VA | 720 VA | -- | -- | -- | 18 |
| 19 | | | | | | | | | | 20 |
| 21 | | | | | | | | | | 22 |
| 23 | | | | | | | | | | 24 |
| 25 | AHU-10A | 60 A | 3 | 13333... | 13333... | | 3 | 60 A | AHU-10B | 26 |
| 27 | -- | -- | -- | | 13333... | 13333... | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | 13333... | 13333... | -- | -- | -- | 30 |
| 31 | AHU-12 | 35 A | 3 | 6400 VA | 15000... | | 3 | 60 A | AHU-13 | 32 |
| 33 | -- | -- | -- | | 6400... | 15000... | -- | -- | -- | 34 |
| 35 | -- | -- | -- | | | 6400 VA | 15000... | -- | -- | -- | 36 |
| 37 | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | 42 |
| | | **Total Load:** | | 139560 VA | 139560 VA | 139560 VA | | | | |
| | | **Total Amps:** | | 504 A | 504 A | 504 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 382237 VA | 70.00% | 267566 VA | | |
| Process Equipment | 40000 VA | 70.00% | 28000 VA | | |
| | | | | **Total Conn. Load:** | 418681 VA |
| | | | | **Total Est. Demand:** | 293077 VA |
| | | | | **Total Conn. Current:** | 504 A |
| | | | | **Total Est. Demand...** | 353 A |

**Notes:**

## Branch Panel: HP-PM6

**Location:** CORRIDOR C-04
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:** 35KAIC
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AHU-15 | 50 A | 3 | 10833... | 2967 VA | | 3 | 15 A | AHU-16A | 2 |
| 3 | -- | -- | -- | | 10833... | 2967... | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | 10833... | 2967 VA | -- | -- | -- | 6 |
| 7 | AHU-16B | 15 A | 3 | 2967 VA | 2967 VA | | 3 | 15 A | AHU-16C | 8 |
| 9 | -- | -- | -- | | 2967... | 2967... | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | 2967 VA | 2967 VA | -- | -- | -- | 12 |
| 13 | AHU-16D | 15 A | 3 | 2967 VA | 2967 VA | | 3 | 15 A | AHU-16E | 14 |
| 15 | -- | -- | -- | | 2967... | 2967... | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | 2967 VA | 2967 VA | -- | -- | -- | 18 |
| 19 | AHU-16F | 15 A | 3 | 2967 VA | 8833 VA | | 3 | 45 A | AHU-17 | 20 |
| 21 | -- | -- | -- | | 2967... | 8833... | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | 2967 VA | 8833 VA | -- | -- | -- | 24 |
| 25 | EF-17 | 15 A | 3 | 267 VA | | | | | | | 26 |
| 27 | -- | -- | -- | | 267 VA | | | | | | 28 |
| 29 | -- | -- | -- | | | 267 VA | | | | | 30 |
| 31 | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | 42 |
| | | **Total Load:** | | 37733 VA | 37733 VA | 37733 VA | | | | |
| | | **Total Amps:** | | 136 A | 136 A | 136 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 113200 VA | 70.00% | 79240 VA | | |
| | | | | **Total Conn. Load:** | 113200 VA |
| | | | | **Total Est. Demand:** | 79240 VA |
| | | | | **Total Conn. Current:** | 136 A |
| | | | | **Total Est. Demand...** | 95 A |

**Notes:**


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - PROCESS MECHANICAL

**Sheet Number:** E606

## Branch Panel: HP-PVEG1

**Location:** CORRIDOR C-06
**Supply From:** HDP-A
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 3600 VA | 3600 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 3600... | 3600... | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 1800 VA | 3600 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3600 VA | 3600 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3600... | 1800... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3600 VA | 3600 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3600 VA | 3600 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 1800... | 3600... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3600 VA | 3600 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3600 VA | 1800 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 27000 VA | | 18000 VA | | 19800 VA | | | | | |
| | | **Total Amps:** | | 98 A | | 65 A | | 72 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Grow Lighting | 64800 VA | 60.00% | 38880 VA | | |
| | | | | **Total Conn. Load:** | 64800 VA |
| | | | | **Total Est. Demand:** | 38880 VA |
| | | | | **Total Conn. Current:** | 78 A |
| | | | | **Total Est. Demand...** | 47 A |

**Notes:**

## Branch Panel: HP-PVEG2

**Location:** CORRIDOR C-06
**Supply From:** HDP-A
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Power | 20 A | 1 | 3600 VA | 3600 VA | | | | | 1 | 20 A | Power | 2 |
| 3 | Power | 20 A | 1 | | | 3600... | 3600... | | | 1 | 20 A | Power | 4 |
| 5 | Power | 20 A | 1 | | | | | 1800 VA | 3600 VA | 1 | 20 A | Grow Lighting | 6 |
| 7 | Grow Lighting | 20 A | 1 | 3600 VA | 3600 VA | | | | | 1 | 20 A | Grow Lighting | 8 |
| 9 | Grow Lighting | 20 A | 1 | | | 3600... | 1800... | | | 1 | 20 A | Grow Lighting | 10 |
| 11 | Grow Lighting | 20 A | 1 | | | | | 3600 VA | 3600 VA | 1 | 20 A | Grow Lighting | 12 |
| 13 | Grow Lighting | 20 A | 1 | 3600 VA | 3600 VA | | | | | 1 | 20 A | Grow Lighting | 14 |
| 15 | Grow Lighting | 20 A | 1 | | | 1800... | 3600... | | | 1 | 20 A | Grow Lighting | 16 |
| 17 | Grow Lighting | 20 A | 1 | | | | | 3600 VA | 3600 VA | 1 | 20 A | Grow Lighting | 18 |
| 19 | Grow Lighting | 20 A | 1 | 3600 VA | 1800 VA | | | | | 1 | 20 A | Grow Lighting | 20 |
| 21 | Grow Lighting | 20 A | 1 | | | 3600... | 3600... | | | 1 | 20 A | Grow Lighting | 22 |
| 23 | Grow Lighting | 20 A | 1 | | | | | 3600 VA | 3600 VA | 1 | 20 A | Grow Lighting | 24 |
| 25 | Grow Lighting | 20 A | 1 | 1800 VA | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 28800 VA | | 25200 VA | | 27000 VA | | | | | |
| | | **Total Amps:** | | 105 A | | 91 A | | 98 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Grow Lighting | 81000 VA | 60.00% | 48600 VA | | |
| | | | | **Total Conn. Load:** | 81000 VA |
| | | | | **Total Est. Demand:** | 48600 VA |
| | | | | **Total Conn. Current:** | 97 A |
| | | | | **Total Est. Demand...** | 58 A |

**Notes:**

## Branch Panel: LP-PN1

**Location:** CORRIDOR C-06
**Supply From:** LP-M1
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Grow Lighting | 20 A | 1 | 660 VA | 660 VA | | | | | 1 | 20 A | Grow Lighting | 2 |
| 3 | Grow Lighting | 20 A | 1 | | | 440 VA | 660 VA | | | 1 | 20 A | Grow Lighting | 4 |
| 5 | Grow Lighting | 20 A | 1 | | | | | 660 VA | 360 VA | 1 | 20 A | NURS RECP | 6 |
| 7 | FAN RECPTACLES | 20 A | 1 | 360 VA | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 1680 VA | | 1100 VA | | 1020 VA | | | | | |
| | | **Total Amps:** | | 14 A | | 9 A | | 9 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Receptacle | 3800 VA | 100.00% | 3800 VA | | |
| | | | | **Total Conn. Load:** | 3800 VA |
| | | | | **Total Est. Demand:** | 3800 VA |
| | | | | **Total Conn. Current:** | 11 A |
| | | | | **Total Est. Demand...** | 11 A |

**Notes:**

## Branch Panel: HP-FERT

**Location:** ELEC. 133
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 100 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NETAFLEX | 20 A | 3 | 900 VA | 900 VA | | | | | 3 | 20 A | NETAFLEX | 2 |
| 3 | -- | -- | -- | | | 900 VA | 900 VA | | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | | | 900 VA | 900 VA | -- | -- | -- | 6 |
| 7 | NETAFLEX | 20 A | 3 | 900 VA | | | | | | | | | 8 |
| 9 | -- | -- | -- | | | 900 VA | | | | | | | 10 |
| 11 | -- | -- | -- | | | | | 900 VA | | | | | 12 |
| 13 | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 2700 VA | | 2700 VA | | 2700 VA | | | | | |
| | | **Total Amps:** | | 10 A | | 10 A | | 10 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Process Equipment | 8100 VA | 70.00% | 5670 VA | | |
| | | | | **Total Conn. Load:** | 8100 VA |
| | | | | **Total Est. Demand:** | 5670 VA |
| | | | | **Total Conn. Current:** | 10 A |
| | | | | **Total Est. Demand...** | 7 A |

**Notes:**


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10/31/2027
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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - VEG, FERT

**Sheet Number:** E607

## Branch Panel: HP-M1

**Location:** ELEC. 133
**Supply From:** MDP
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ACC-5 | 25 A | 3 | 3200 VA | 2500 VA | | | | | 3 | 15 A | AIR COMPRESSOR CA-1B | 2 |
| 3 | -- | -- | -- | | | 3200... | 2500... | | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | | | 3200 VA | 2500 VA | -- | -- | -- | 6 |
| 7 | AIR COMPRESSOR CA-1A | 15 A | 3 | 2500 VA | 900 VA | | | | | 3 | 20 A | REGEN TANK BLOWER | 8 |
| 9 | -- | -- | -- | | | 2500... | 900 VA | | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | | | 2500 VA | 900 VA | -- | -- | -- | 12 |
| 13 | REGEN TANK BLOWER | 20 A | 3 | 900 VA | 900 VA | | | | | 3 | 20 A | REGEN TANK BLOWER | 14 |
| 15 | -- | -- | -- | | | 900 VA | 900 VA | | | -- | -- | -- | 16 |
| 17 | -- | -- | -- | | | | | 900 VA | 900 VA | -- | -- | -- | 18 |
| 19 | REGEN TANK BLOWER | 20 A | 3 | 900 VA | 900 VA | | | | | 3 | 20 A | REGEN TANK BLOWER | 20 |
| 21 | -- | -- | -- | | | 900 VA | 900 VA | | | -- | -- | -- | 22 |
| 23 | -- | -- | -- | | | | | 900 VA | 900 VA | -- | -- | -- | 24 |
| 25 | REGEN TANK BLOWER | 20 A | 3 | 900 VA | 900 VA | | | | | 3 | 20 A | REGEN TANK BLOWER | 26 |
| 27 | -- | -- | -- | | | 900 VA | 900 VA | | | -- | -- | -- | 28 |
| 29 | -- | -- | -- | | | | | 900 VA | 900 VA | -- | -- | -- | 30 |
| 31 | T-5 | 20 A | 3 | 14783... | 500 VA | | | | | 3 | 15 A | P-1A | 32 |
| 33 | -- | -- | -- | | | 11863... | 500 VA | | | -- | -- | -- | 34 |
| 35 | -- | -- | -- | | | | | 14863... | 500 VA | -- | -- | -- | 36 |
| 37 | P-1B | 15 A | 3 | 500 VA | | | | | | | | | 38 |
| 39 | -- | -- | -- | | 500 VA | | | | | | | | 40 |
| 41 | -- | -- | -- | | | | | 500 VA | | | | | 42 |
| | | **Total Load:** | | 29996 VA | | 27079 VA | | 30076 VA | | | | | |
| | | **Total Amps:** | | 110 A | | 98 A | | 110 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 10750 VA | 100.00% | 10750 VA | | |
| HVAC | 28700 VA | 100.00% | 28700 VA | **Total Conn. Load:** | 87151 VA |
| Receptacle | 5060 VA | 100.00% | 5060 VA | **Total Est. Demand:** | 74346 VA |
| HVAC - PROCESS | 9600 VA | 70.00% | 6720 VA | **Total Conn. Current:** | 105 A |
| Process Equipment | 33900 VA | 70.00% | 23730 VA | **Total Est. Demand...** | 89 A |

**Notes:**

## Branch Panel: HP-M2

**Location:** CORRIDOR C-04
**Supply From:** HDP-D
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 480Y/277
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 800 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ACC-4 | 25 A | 3 | 3200 VA | 3200 VA | | | | | 3 | 25 A | ACC-3 | 2 |
| 3 | -- | -- | -- | | | 3200... | 3200... | | | -- | -- | -- | 4 |
| 5 | -- | -- | -- | | | | | 3200 VA | 3200 VA | -- | -- | -- | 6 |
| 7 | AHU-18 | 35 A | 3 | 8000 VA | 7333 VA | | | | | 3 | 40 A | AHU-19 | 8 |
| 9 | -- | -- | -- | | | 8000... | 7333... | | | -- | -- | -- | 10 |
| 11 | -- | -- | -- | | | | | 8000 VA | 7333 VA | -- | -- | -- | 12 |
| 13 | AHU-20 | 35 A | 3 | 6400 VA | | | | | | | | | 14 |
| 15 | -- | -- | -- | | | 6400... | | | | | | | 16 |
| 17 | -- | -- | -- | | | | | 6400 VA | | | | | 18 |
| 19 | | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 28133 VA | | 28133 VA | | 28133 VA | | | | | |
| | | **Total Amps:** | | 102 A | | 102 A | | 102 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| HVAC - PROCESS | 84400 VA | 70.00% | 59080 VA | | |
| | | | | **Total Conn. Load:** | 84400 VA |
| | | | | **Total Est. Demand:** | 59080 VA |
| | | | | **Total Conn. Current:** | 102 A |
| | | | | **Total Est. Demand...** | 71 A |

**Notes:**

## Branch Panel: LP-M1

**Location:** ELEC. 133
**Supply From:** T-5
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 150 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | | B | | C | | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HOT WATER PUMP PR-1B | 15 A | 1 | 500 VA | 500 VA | | | | | 1 | 15 A | HOT WATER PUMP PR-1A | 2 |
| 3 | MECH 133 RECP | 20 A | 1 | | | 180 VA | 180 VA | | | 1 | 20 A | REGEN TANK BLOWER | 4 |
| 5 | REGEN TANK BLOWER | 20 A | 1 | | | | | 180 VA | 2500 VA | 2 | 30 A | R.O. SKID | 6 |
| 7 | EF-12 | 15 A | 2 | 200 VA | 2500 VA | | | | | -- | -- | -- | 8 |
| 9 | -- | -- | -- | | | 200 VA | 150 VA | | | 2 | 15 A | EF-15 | 10 |
| 11 | FCU-6A | 15 A | 3 | | | | | 167 VA | 150 VA | -- | -- | -- | 12 |
| 13 | -- | -- | -- | 167 VA | 167 VA | | | | | 3 | 15 A | FCU-6B | 14 |
| 15 | -- | -- | -- | | | 167 VA | 167 VA | | | -- | -- | -- | 16 |
| 17 | FCU-7A | 15 A | 3 | | | | | 167 VA | 167 VA | -- | -- | -- | 18 |
| 19 | -- | -- | -- | 167 VA | 167 VA | | | | | 3 | 15 A | FCU-7B | 20 |
| 21 | -- | -- | -- | | | 167 VA | 167 VA | | | -- | -- | -- | 22 |
| 23 | EF-16A | 35 A | 3 | | | | | 4333 VA | 167 VA | -- | -- | -- | 24 |
| 25 | -- | -- | -- | 4333 VA | 4333 VA | | | | | 3 | 35 A | EF-16B | 26 |
| 27 | -- | -- | -- | | | 4333... | 4333... | | | -- | -- | -- | 28 |
| 29 | VAV'S | 15 A | 1 | | | | | 300 VA | 4333 VA | -- | -- | -- | 30 |
| 31 | CUH'S | 15 A | 1 | 150 VA | 500 VA | | | | | 1 | 15 A | BOILER B-1 | 32 |
| 33 | DOOR POWER SUPPLY | 20 A | 1 | | | 300 VA | 500 VA | | | 1 | 20 A | Power | 34 |
| 35 | ROOFTOP GFCI | 20 A | 1 | | | | | 720 VA | 1680 VA | 3 | 60 A | LP-PN1 | 36 |
| 37 | | | | | 1100 VA | | | | | -- | -- | -- | 38 |
| 39 | | | | | | | 1020... | | | -- | -- | -- | 40 |
| 41 | | | | | | | | | | | | | 42 |
| | | **Total Load:** | | 14783 VA | | 11863 VA | | 14863 VA | | | | | |
| | | **Total Amps:** | | 127 A | | 99 A | | 128 A | | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 7750 VA | 100.00% | 7750 VA | | |
| HVAC | 28700 VA | 100.00% | 28700 VA | **Total Conn. Load:** | 41510 VA |
| Receptacle | 5060 VA | 100.00% | 5060 VA | **Total Est. Demand:** | 41510 VA |
| | | | | **Total Conn. Current:** | 115 A |
| | | | | **Total Est. Demand...** | 115 A |

**Notes:**


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - MECHANICAL

**Sheet Number:** E608

## Branch Panel: LDP-2

**Location:** CORRIDOR C-02
**Supply From:** T-4
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 225 A
**MCB Rating:** 150 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LP-G2 | 20 A | 3 | 7380 VA | | | | | | 2 |
| 3 | -- | -- | -- | | 9240... | | | | | 4 |
| 5 | -- | -- | -- | | | 8440 VA | | | | 6 |
| 7 | | | | | | | | | | 8 |
| 9 | | | | | | | | | | 10 |
| 11 | | | | | | | | | | 12 |
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| 37 | | | | | | | | | | 38 |
| 39 | | | | | | | | | | 40 |
| 41 | | | | | | | | | | 42 |
| | | **Total Load:** | | 7380 VA | 9240 VA | 8440 VA | | | | |
| | | **Total Amps:** | | 62 A | 78 A | 72 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 2100 VA | 100.00% | 2100 VA | | |
| Receptacle | 22240 VA | 72.48% | 16120 VA | **Total Conn. Load:** | 25060 VA |
| Computer | 720 VA | 100.00% | 720 VA | **Total Est. Demand:** | 18940 VA |
| | | | | **Total Conn. Current:** | 70 A |
| | | | | **Total Est. Demand...** | 53 A |

**Notes:**

## Branch Panel: LP-G2

**Location:** CORRIDOR C-02
**Supply From:** LDP-2
**Mounting:** Surface
**Enclosure:** Type 1

**Volts:** 208Y/120
**Phases:** 3
**Wires:** 4

**A.I.C. Rating:**
**Mains Type:**
**Mains Rating:** 100 A
**MCB Rating:** 1 A

**Notes:**

| CKT | Circuit Description | Trip | Poles | A | B | C | Poles | Trip | Circuit Description | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | OFFICE 104D RECEPTACLES | 20 A | 1 | 900 VA | 720 VA | | 1 | 20 A | OFFICE 104C RECEPTACLES | 2 |
| 3 | IT RECEPTACLES | 20 A | 1 | | 720 VA | 180 VA | 1 | 20 A | SRPINKLER ROOM... | 4 |
| 5 | OFFICE 159 RECEPTACLES | 20 A | 1 | | | 720 VA | 1 | 20 A | OFFICE 164 RECEPTACLES | 6 |
| 7 | OPEN OFFICE 162... | 20 A | 1 | 1080 VA | 540 VA | | 1 | 20 A | CONF ROOM RECEPTACLES | 8 |
| 9 | OFFICE 103 RECEPTACLES | 20 A | 1 | | 720 VA | 720 VA | 1 | 20 A | SECURITY RECEPTACLES | 10 |
| 11 | CORRIDOR RECEPTACLES | 20 A | 1 | | | 720 VA | 1 | 20 A | WATER FOUNTAIN (NOTE 1) | 12 |
| 13 | CONF ROOM RECEPTACLES | 20 A | 1 | 1080 VA | 180 VA | | 1 | 20 A | MICROWAVE | 14 |
| 15 | BREAK ROOM COUNTER RECP | 20 A | 1 | | 180 VA | 180 VA | 1 | 20 A | BREAK ROOM COUNTER RECP | 16 |
| 17 | REFRIGERATOR | 20 A | 1 | | | 180 VA | 1 | 20 A | REFRIGERATOR | 18 |
| 19 | BREAK ROOM RECEPTACLES | 20 A | 1 | 900 VA | 720 VA | | 1 | 20 A | BREAK ROOM RECEPTACLES | 20 |
| 21 | JAN 153 RECEPTACLE | 20 A | 1 | | 180 VA | 180 VA | 1 | 20 A | RESTROOM RECEPTACLE | 22 |
| 23 | RESTROOM RECEPTACLE | 20 A | 1 | | | 180 VA | 1 | 20 A | LOCKER ROOM RECPTACLES | 24 |
| 25 | VENDING MACHINE | 20 A | 1 | 180 VA | 180 VA | | 1 | 20 A | BREAK ROOM COUNTER RECP | 26 |
| 27 | CORRIDOR RECEPTACLES | 20 A | 1 | | 1080... | 200 VA | 2 | 20 A | Receptacle | 28 |
| 29 | VAV'S | 15 A | 1 | | | 1200 VA | 0 VA | -- | -- | -- | 30 |
| 31 | CUHS | 15 A | 1 | 100 VA | 800 VA | | 1 | 20 A | DOOR POWER SUPPLY | 32 |
| 33 | ROOFTOP GFCI | 20 A | 1 | | 900 VA | 4000... | 2 | 20 A | Receptacle | 34 |
| 35 | Receptacle | 20 A | 2 | | | 4000 VA | 0 VA | -- | -- | -- | 36 |
| 37 | -- | -- | -- | 0 VA | | | | | | | 38 |
| 39 | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | 42 |
| | | **Total Load:** | | 7380 VA | 9240 VA | 8440 VA | | | | |
| | | **Total Amps:** | | 62 A | 78 A | 72 A | | | | |

**Legend:**

| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals | |
|---|---|---|---|---|---|
| Power | 2100 VA | 100.00% | 2100 VA | | |
| Receptacle | 22240 VA | 72.48% | 16120 VA | **Total Conn. Load:** | 25060 VA |
| Computer | 720 VA | 100.00% | 720 VA | **Total Est. Demand:** | 18940 VA |
| | | | | **Total Conn. Current:** | 70 A |
| | | | | **Total Est. Demand...** | 53 A |

**Notes:**


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**Client:** 11580 Walden Ave LLC

**Project:** Alden Green House

**Project Address:** 11580 Walden Ave

**Drawing History:**

| # | Date | Description |
|---|---|---|

**Date:** 11/26/2025
**Project Number:** 24003
**Sheet Title:** PANEL SCHEDULES - OFFICE CORRIDOR

**Sheet Number:** E609