

LIFE-SAFETY INFORMATION

APPLICABLE CODES
 NFPA 101 LIFE-SAFETY CODE 2015
 OCCUPANCY TYPE(S) AND CHAPTER(S)
 BUSINESS (CHAPTER 5B)
 MULTIPLE, MIXED, OR SEPARATE OCCUPANCY (REFERENCE CHAPTER 6)
 N/A

OCCUPANT LOAD FACTOR (REFERENCE TABLE 7.3.1.2)
 WAREHOUSE ADDITION 2250 500 SF PER OCCUPANT = 5 OCCUPANTS
 NEW WAREHOUSE 2375 SF / 500 SF PER OCCUPANT = 5 OCCUPANTS

CLASSIFICATION OF HAZARD OF CONTENTS
 (REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH)
 CONSTRUCTION TYPE(S) (REFERENCE: CHAPTER 6, TABLE A.9.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)
 2B

MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS
 (REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)
 1/2 DIAGONAL = 43'-8"
 MAXIMUM DEAD-END CORRIDORS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 50'
 MAXIMUM COMMON PATH OF TRAVEL DISTANCE (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 50'
 MAXIMUM TRAVEL DISTANCE TO EXITS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 200'

EXTINGUISHMENT REQUIREMENTS SPRINKLERED
DETECTION, ALARM, AND COMMUNICATION SYSTEMS NO
ALLOWABLE HEIGHT AND BUILDING AREA PER IBC EQUIVALENT CONSTRUCTION TYPE

BUILDING CODE INFORMATION

APPLICABLE CODES
 IBC 2021
BUSINESS GROUP S-1 (IBC 2021 CHAPTER 3)
OCCUPANT LOAD CALCULATIONS (TABLE 1004.1.1)
 WAREHOUSE ADDITION 2,250 SQ FT 500 SF PER OCCUPANT (GROSS) 5 OCCUPANTS
 NEW WAREHOUSE 2,375 SQ FT 500 SF PER OCCUPANT (GROSS) 5 OCCUPANTS

CONSTRUCTION TYPE(S) (TABLE 504)
 2B (SECTION 504)
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION
 MAXIMUM HEIGHT IN STORIES (SECTION 504.4) 2
 MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 503) 17,300

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1604 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:
 DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY
 WIND SPEED V_{ULT} (3 SECOND GUST) = 140 MPH (IBC FIG 1609.3(1))
 NOMINAL DESIGN WIND SPEED V_{NSD} = 110 MPH (V_{ULT} x (0.6)^{1/2})
 RISK CATEGORY: CATEGORY II BLDG SURFACE ROUGHNESS = B
 TOPOGRAPHIC FACTOR = 1 EXPOSURE = B
 DESIGN WIND PRESSURE (ASCE 7-10 TABLE 26.6-1): 37.1 PSF
 INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1): ± 0.18
 LIVE LOADS (IBC SEC 1607)
 STORAGE WAREHOUSE - HEAVY (IBC TABLE 1607.1): 250 PSF
 ROOF LIVE LOADS (IBC TABLE 1607.1): 20 PSF UNIFORM, 300 LB CONCENTRATED
 SNOW LOADS (IBC SEC 1608):
 GROUND SNOW LOAD (IBC FIG 1608.2): 5 PSF

FLOOD ZONE INFORMATION

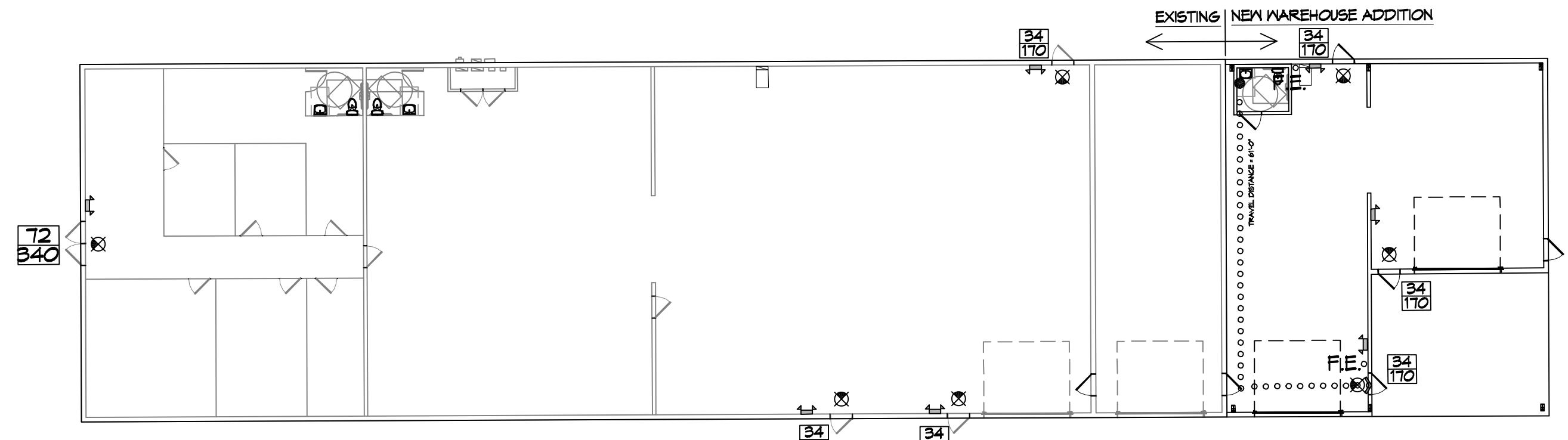
BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES, THIS PROPERTY IS NOT IN SPECIAL FLOOD HAZARD AREA
 FIRM, COMMUNITY NO. 225205 0415 C DATED 04/02/1991
 FLOOD ZONE: C BASE FLOOD ELEVATION: N/A

LIFE-SAFETY LEGEND

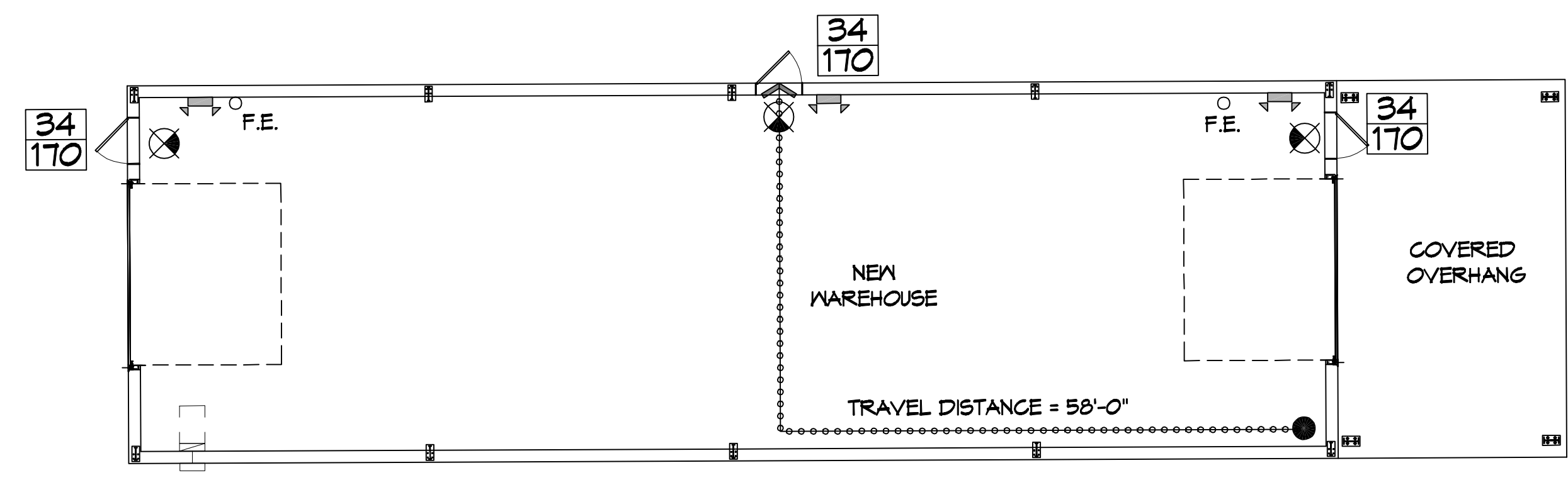
| SYMBOL | DESCRIPTION |
|-----------|---------------------------------------|
| ➤ | EXITS |
| 45 | DOOR FIRE RATING (MINUTES) |
| 36 170 | DOOR WIDTH/EGRESS CAPACITY |
| ⊗ | EXIT LIGHT |
| FE | FIRE EXTINGUISHER IV WALL MTD BRACKET |
| ----- | COMMON PATH OF TRAVEL |
| | TRAVEL DISTANCE |
| ● | DECISION POINT |

PROJECT DESCRIPTION

THIS IS A 2250 SQ. FT. REAR ADDITION TO AN EXISTING OFFICE/WAREHOUSE FOR A TOTAL SQ. FT. OF 10,250 SQ. FT. AND A 2375 SQ. FT. ADDITIONAL WAREHOUSE TO ALLOW WORKERS TO INSTALL VINYL WRAP TO LARGE VEHICLES IN A DRY AREA.

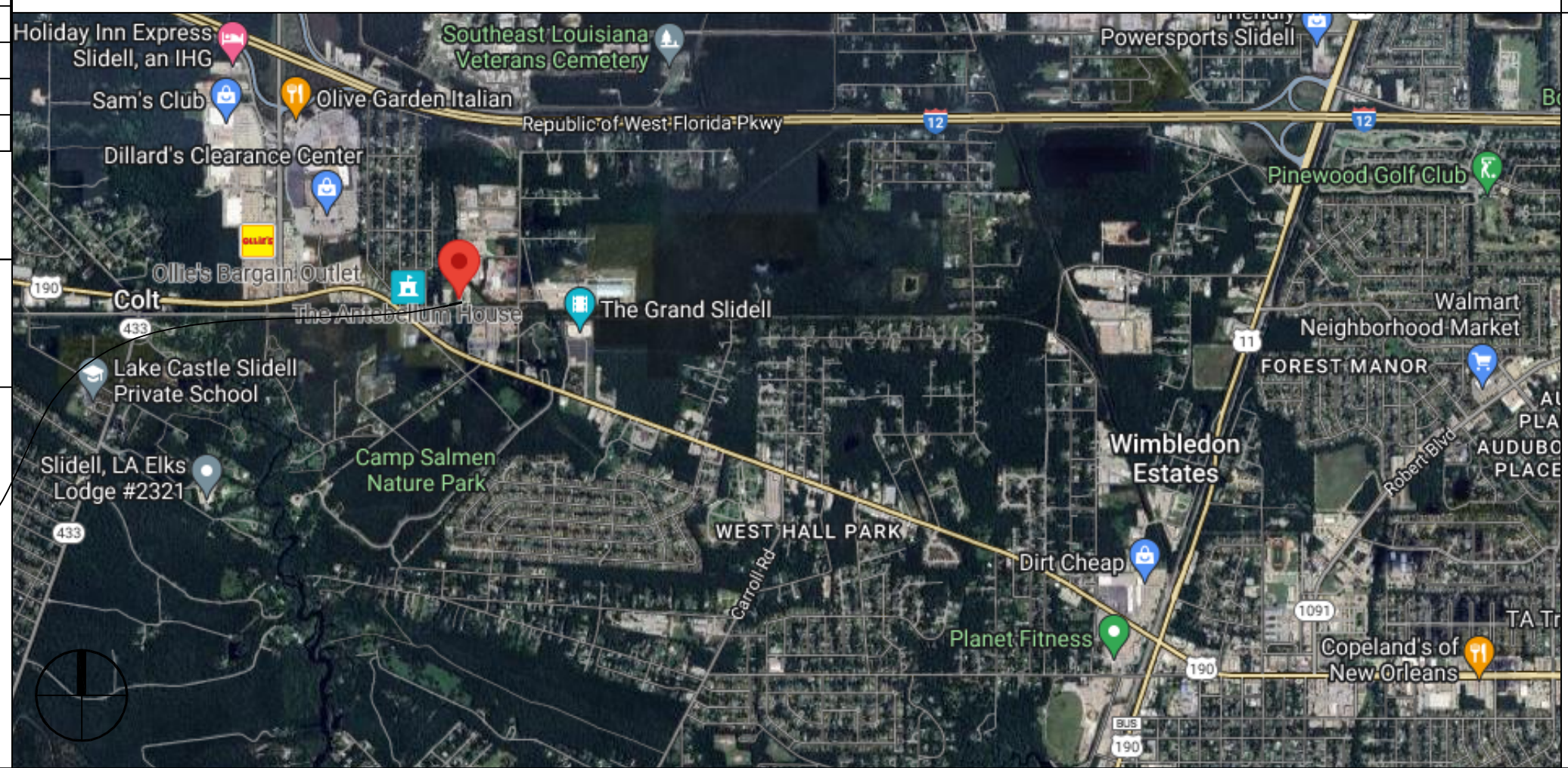


LIFE-SAFETY PLAN (WAREHOUSE ADDITION)
 SCALE: 1/16" = 1'-0"



LIFE-SAFETY PLAN (NEW WAREHOUSE)
 SCALE: 1/8" = 1'-0"

VICINITY MAP



SHEET INDEX

| SHEET # | SHEET TITLE |
|---------|--|
| G101 | GENERAL INFORMATION SHEET |
| C101 | PROPOSED SITE PLAN |
| C102 | EROSION CONTROL AND DETAILS |
| S101 | WAREHOUSE ADDITION FOUNDATION PLAN |
| S102 | NEW WAREHOUSE FOUNDATION PLAN |
| A101 | WAREHOUSE ADDITION AND NEW WAREHOUSE FLOOR PLAN |
| A102 | WAREHOUSE ADDITION EXTERIOR ELEVATIONS |
| A103 | NEW WAREHOUSE EXTERIOR ELEVATIONS |
| A104 | WAREHOUSE ROOF/SECTION ADDITION AND NEW WAREHOUSE ROOF/SECTION |
| M101 | MECHANICAL PLAN & PLUMBING RISER DIAGRAM |
| E101 | ELECTRICAL SITE UTILITY |
| E102 | NEW WAREHOUSE ADDITION LIGHTING & POWER PLAN |
| E103 | NEW WAREHOUSE LIGHTING & POWER PLAN |
| E104 | SCHEDULES |
| E105 | ONE LINE DIAGRAM |
| E106 | SERVICE ENTRANCE DIAGRAM & LOAD SUMMARIES |

GENERAL NOTES

- ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
- CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
- THE DRAWINGS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS. CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
- TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
- THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
- ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURERS RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

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 LOUISIANA & MISSISSIPPI
 Chief Engineer: Brian Alstich, PE
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 Slidell, LA 70458
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| DATE | REVISIONS |
|------|---------------|
| | # DESCRIPTION |

SEAL:

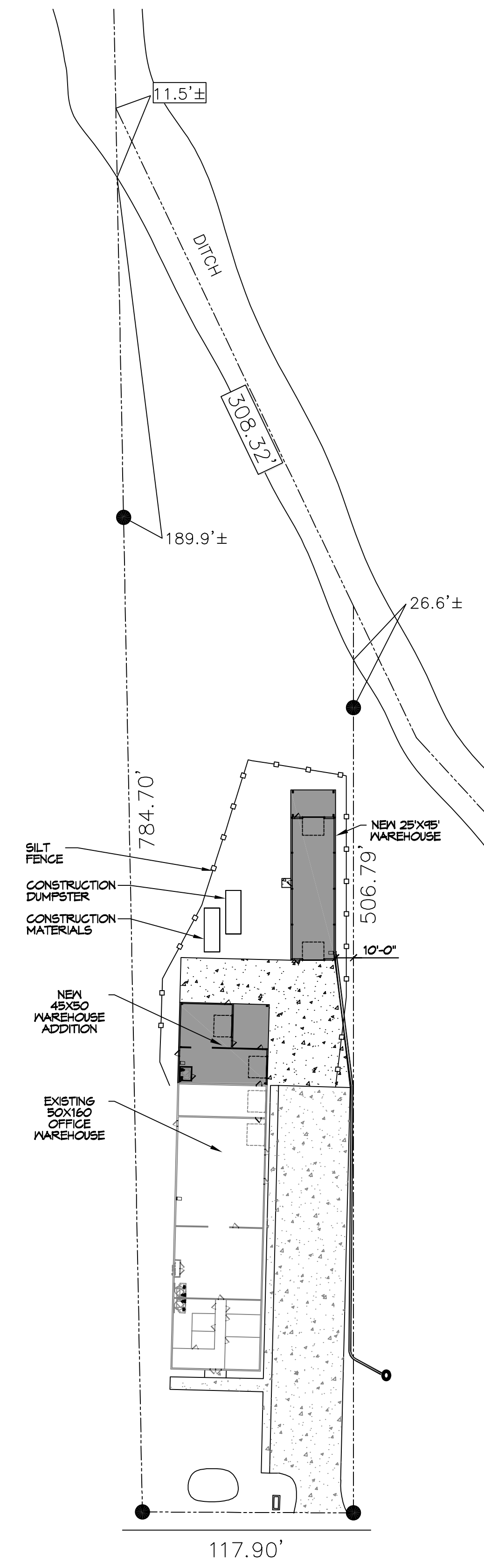
NEW WAREHOUSES
 SEC-SPECIALTY
 ENHANCED
 IMAGING

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 GENERAL INFORMATION SHEET

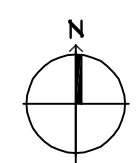
DRAWING NUMBER:

G101

D.L. MUELLER, P.E., 11111 Old Highway 1018 - P.O. Box 1018 - Slidell, Louisiana 70458 - Phone: 985-649-5332 - Fax: 985-649-5333 - Email: dammon@dammonengineering.com

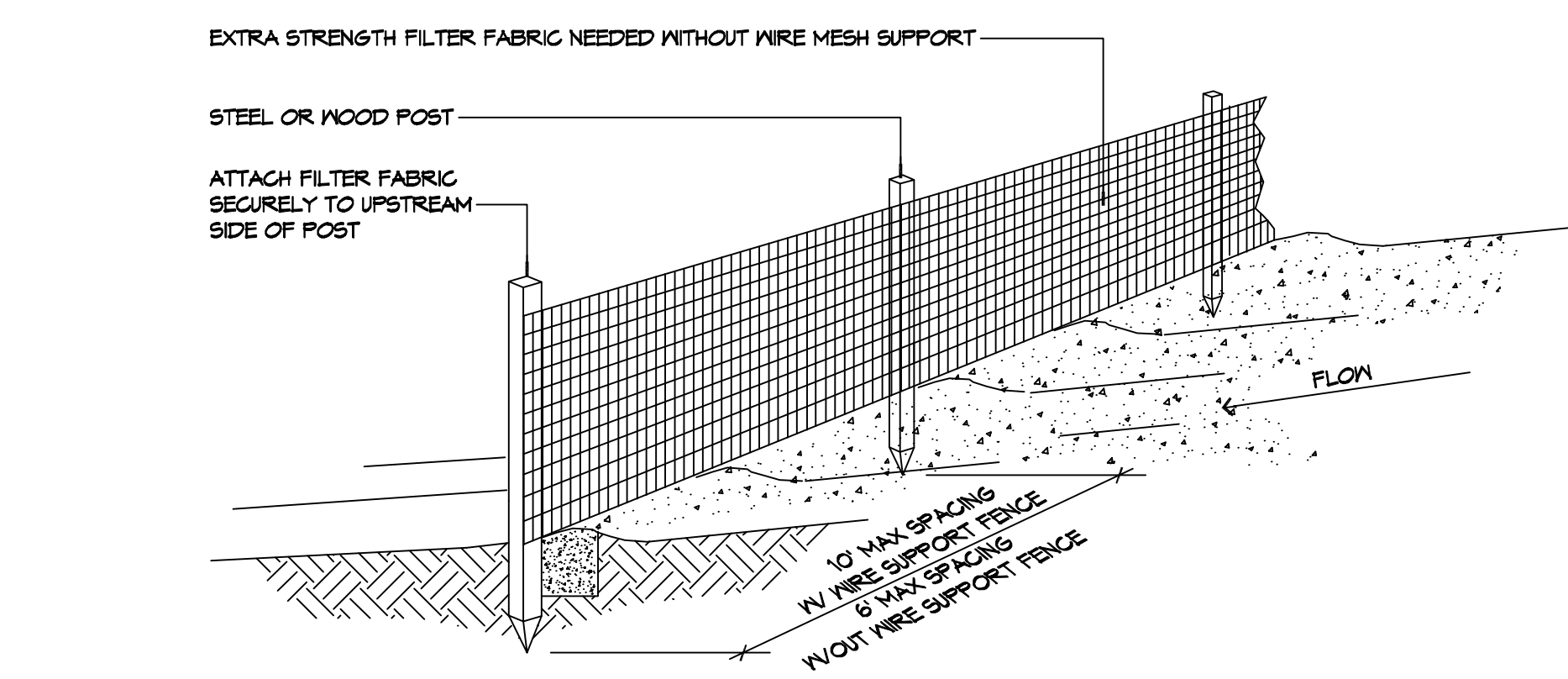


SOUTH STREET

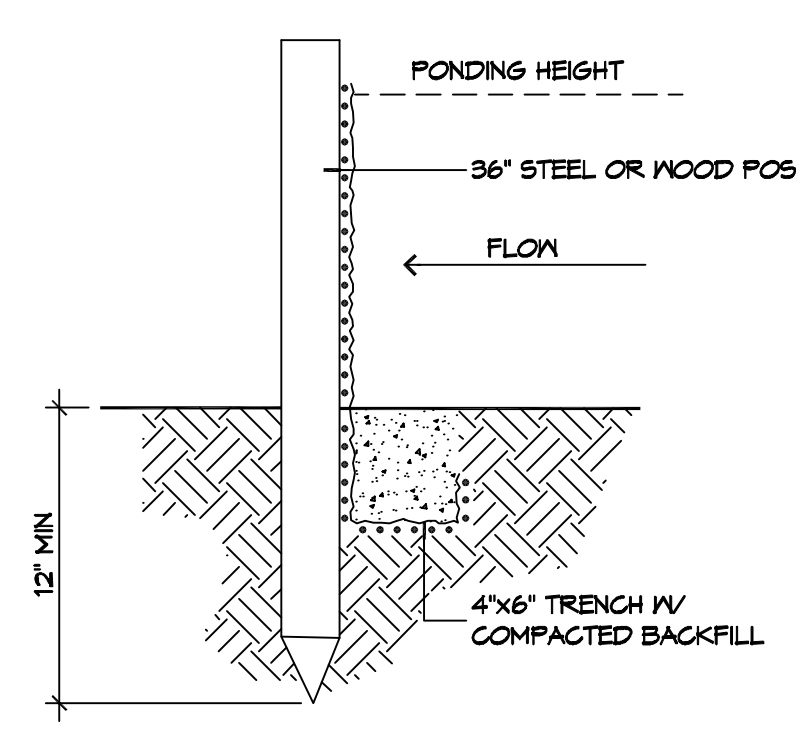


EROSION CONTROL PLAN

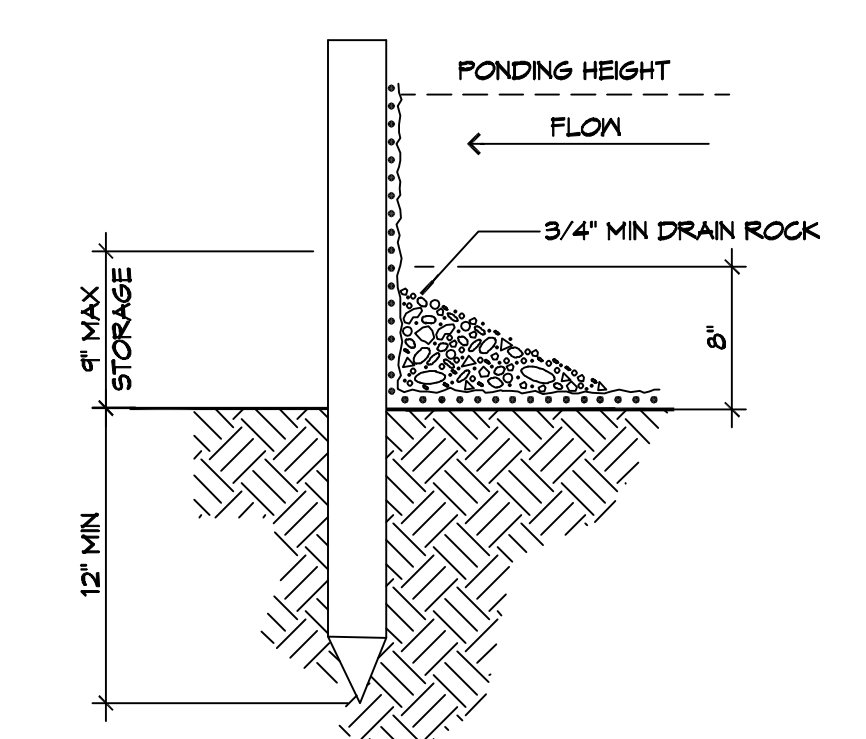
SCALE: 1" = 50'-0"



A SILT FENCE



B SILT FENCE



C FENCE WITH FENCE

3 DETAILS

SCALE: NTS

EROSION CONTROL FENCE AT PROPERTY LINE OR LIMITS OF CONSTRUCTION

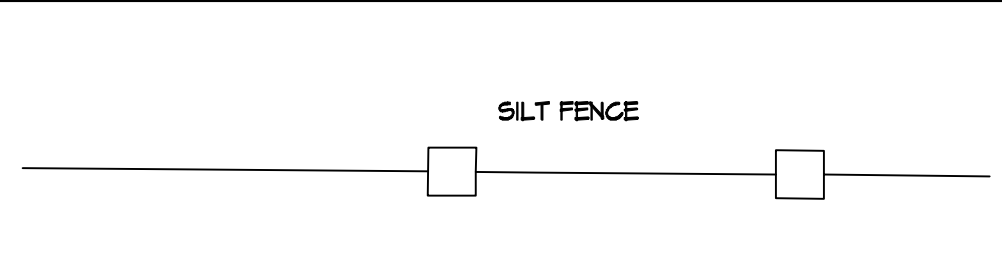
GENERAL EROSION CONTROL NOTES

- ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
- SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS OF THE AUTHORITY HAVING JURISDICTION.
- APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
- THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS, AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL THE SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
- ANY DISTURBED AREA THAT IS TO BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION'S STANDARDS.
- THE SITE SHALL BE AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL CATCH BASIN INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THESE PLANS.
- EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENT AND EROSION CONTROL FENCE. THE LIMITS OF ALL GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMIT OF CONTRACT SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE.
- ANY AREA OUTSIDE THE PROJECT LIMIT THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
- ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.
- ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC/Private ROADS.

SILT FENCE INSTALLATION NOTES

- THE BASE OF BOTH END POSTS MUST BE AT LEAST 2'-4" ABOVE THE TOP OF THE SILT FENCE FABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY. USE A HAND LEVEL OR STRING LEVEL. IF NECESSARY, TO MARK BASE POINTS BEFORE INSTALLATION.
- INSTALL POSTS 3 - 4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6 - 7 FEET APART ON STANDARD APPLICATIONS.
- INSTALL POSTS 24" DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
- INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
- ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45° THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. ADDITIONALLY, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
- WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
- NO MORE THAN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.
- THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPLETION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
- COMPACTING IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 PSI OF PRESSURE. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. NINE INCH MAXIMUM RECOMMENDED STORAGE HEIGHT.
- REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

EROSION CONTROL LEGEND



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| REVISIONS | # | DESCRIPTION | DATE |
|-----------|---|----------------|----------|
| | 1 | ADDED DUMPSTER | 06-26-21 |

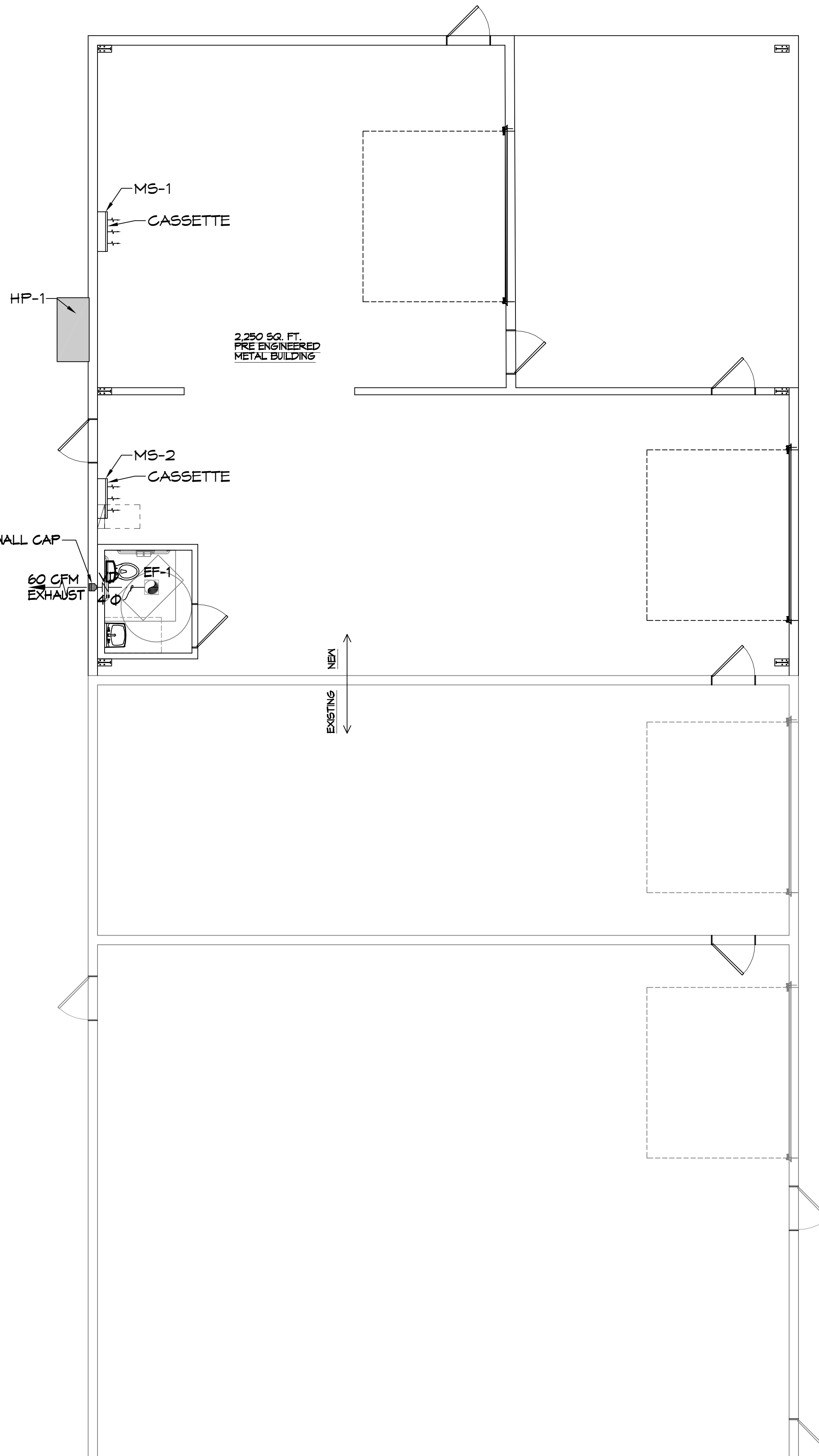


NEW WAREHOUSES SPECIALITY SECTORS SHANGHAI ENGINEERING
 424 SOUTH STREET
 SLIDELL, LA 70460
 JOB No: 2448
 DATE: 06-21-2025
 DRAWN BY: CKD
 CHECKED BY: BAY

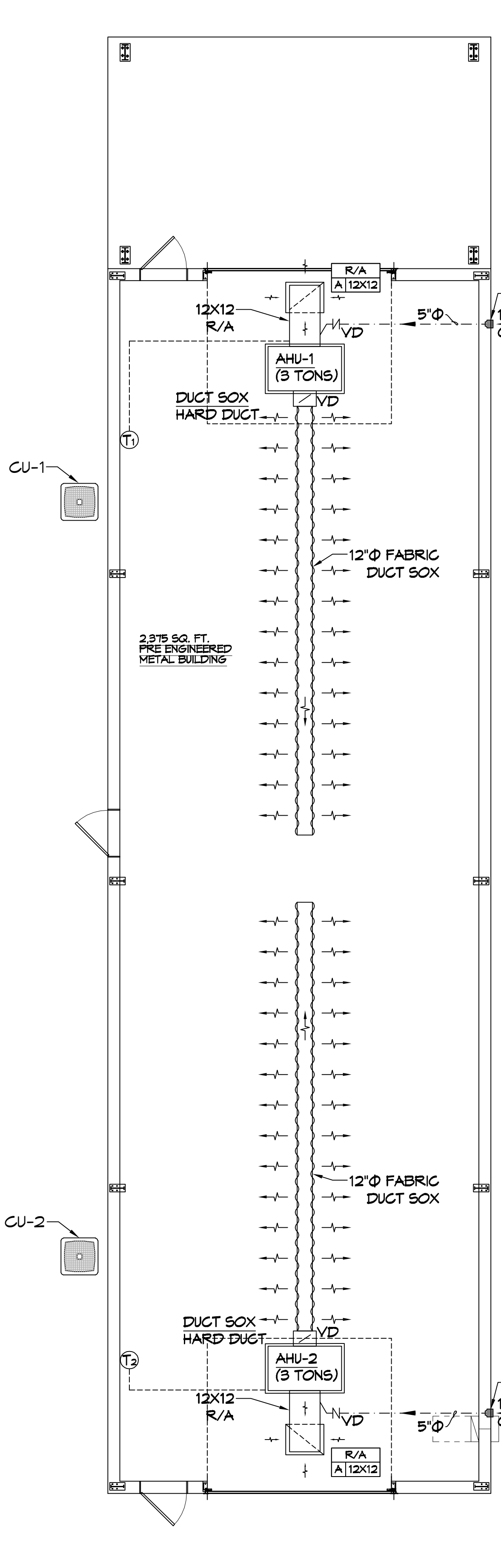
SHEET TITLE:
EROSION CONTROL AND DETAILS

DRAWING NUMBER:

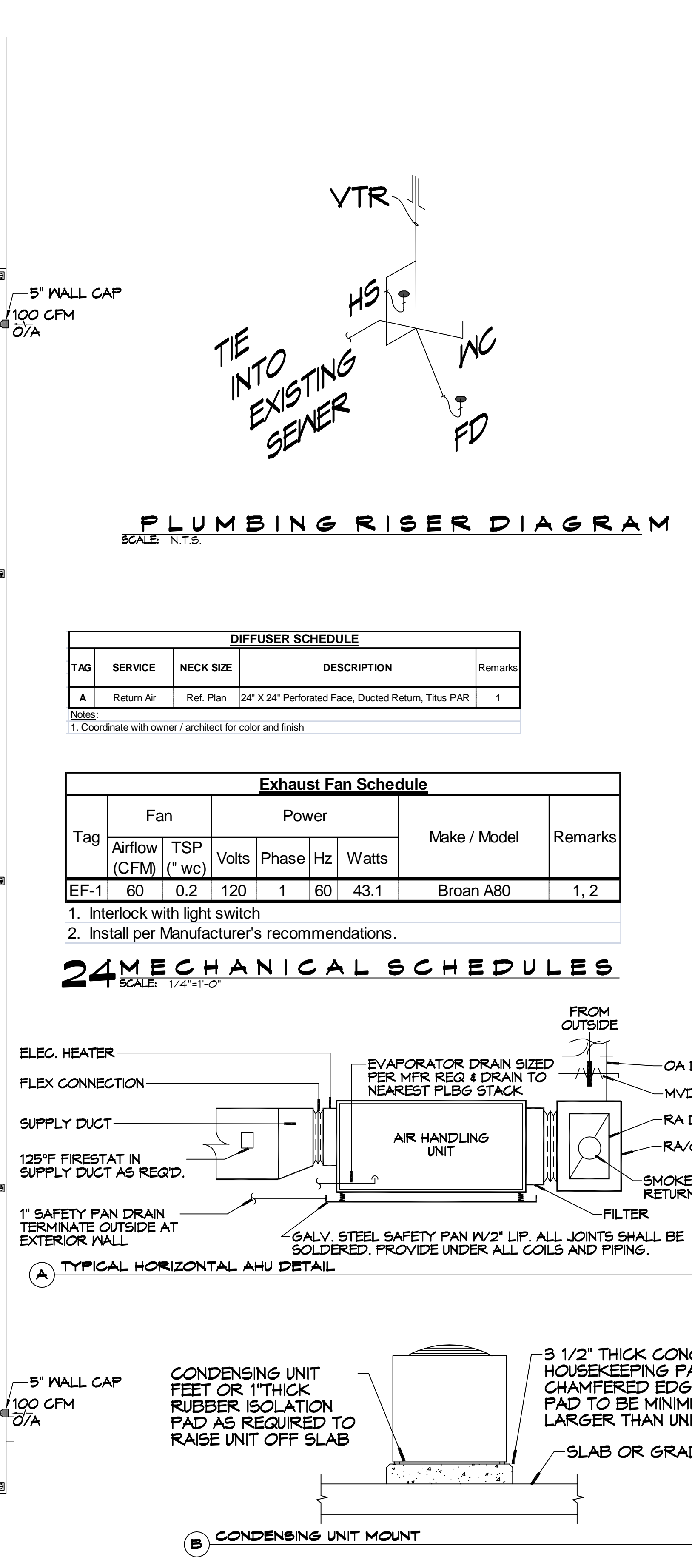
C102



22 WAREHOUSE ADDITION
SCALE: 3/16"=1'-0"



23 NEW WAREHOUSE
SCALE: 3/16"=1'-0"



PLUMBING RISER DIAGRAM
SCALE: N.T.S.

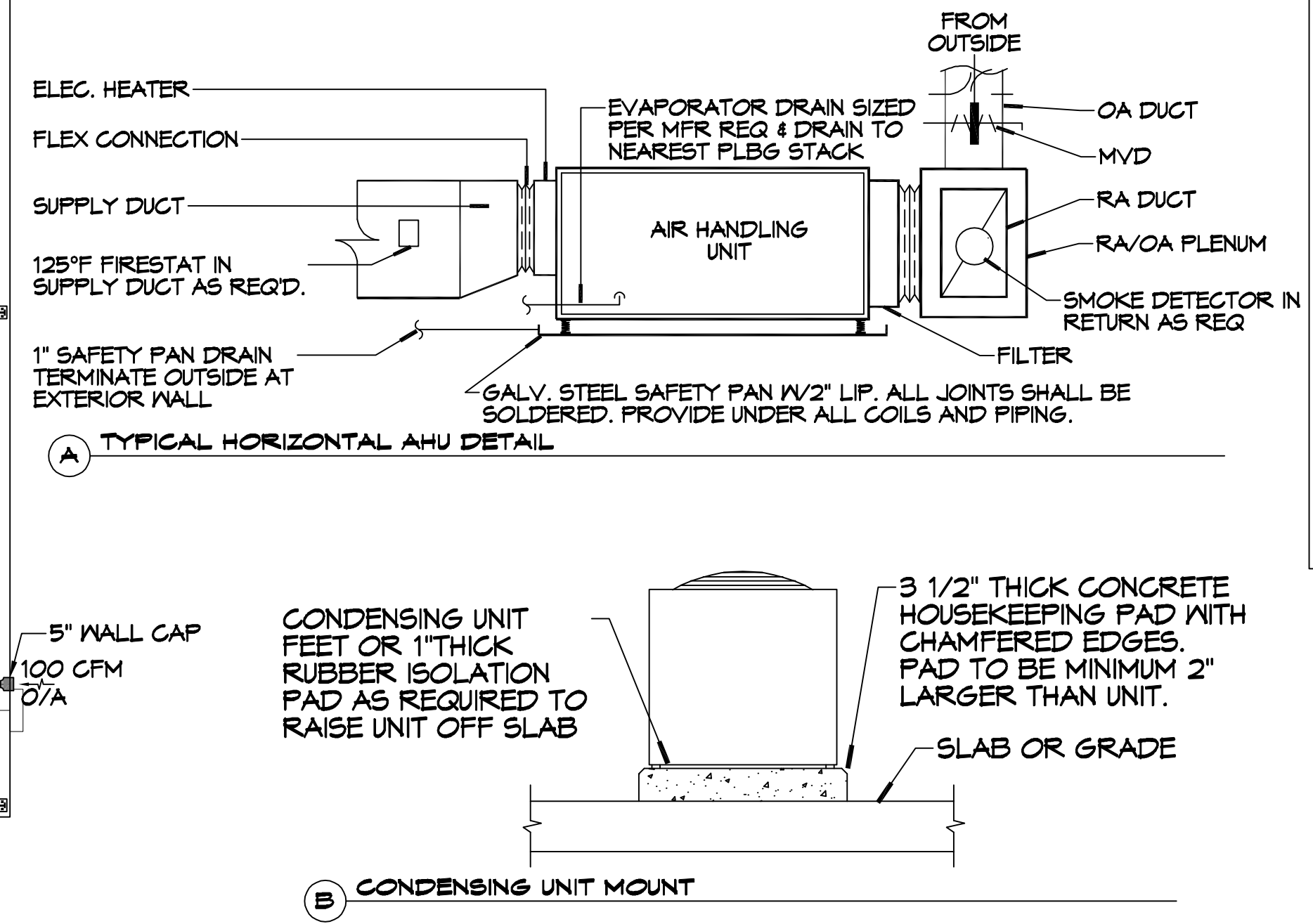
| DIFFUSER SCHEDULE | | | | |
|-------------------|------------|-----------|---|---------|
| TAG | SERVICE | NECK SIZE | DESCRIPTION | Remarks |
| A | Return Air | Ref. Plan | 24" X 24" Perforated Face, Ducted Return, Titus PAR | 1 |

Notes:
1. Coordinate with owner / architect for color and finish.

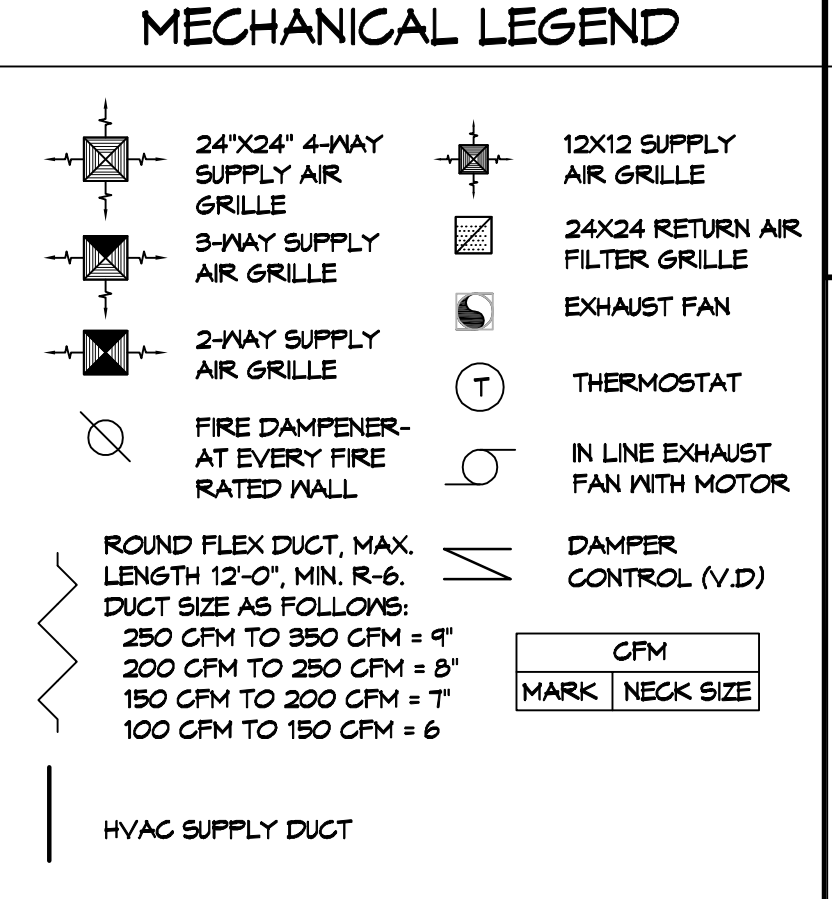
| Exhaust Fan Schedule | | | | | | | | |
|----------------------|---------------|-----------|-------|-------|-------|--------------|-----------|------|
| Tag | Fan | | Power | | | Make / Model | Remarks | |
| | Airflow (CFM) | TSP ("wc) | Volts | Phase | Hertz | | | |
| EF-1 | 60 | 0.2 | 120 | 1 | 60 | 43.1 | Broan A80 | 1, 2 |

1. Interlock with light switch
2. Install per Manufacturer's recommendations.

24 MECHANICAL SCHEDULES
SCALE: 1/4"=1'-0"



- GENERAL HVAC NOTES**
- CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPPED WITH FIBROUS GLASS DUCT WRAP WITH FSK VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
 - EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
 - ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
 - DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
 - IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 12E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
 - PROVIDE UL LISTED 125°F FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
 - PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
 - CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
 - ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
 - ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
 - EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
 - PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
 - ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
 - LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
 - REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 - FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT CONTROL DAMPER.
 - ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).
 - ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
 - FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0". SUPPORT FLEX DUCT TO PREVENT SAGGING.
 - REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
 - FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
 - PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL A.H.J.S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
 - FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
 - PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
 - COORDINATE WALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER FURNISHED ITEMS EITHER WALL MOUNTED OR FLOOR MOUNTED AGAINST PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.
 - SEE ROOF PLAN FOR ALL ROOF PENETRATIONS.
 - PROVIDE MIN 18 GA GALVANIZED SHEET METAL TO BLANK-OFF GABLE VENTS WHERE INTAKE/EXHAUST DUCTS OCCUR.



| MIN-SPLIT SCHEDULE | | | | | | | | | | | | |
|--------------------|------------|---------------|-----------------------------|-----------------------------|-----------------------|------------------|--------------------------------|--------------------------------|------|------------|--------------|---------|
| Tag | Make | Model | AIR HANDLER | | | HEAT PUMP | | | Tag | Make | Model | Remarks |
| | | | Nom. Cooling Capacity (MBH) | Nom. Heating Capacity (MBH) | Maximum Airflow (CFM) | Power VAC PH MCA | Cooling Capacity (MBH) Max Min | Heating Capacity (MBH) Max Min | | | | |
| MS-1 | Mitsubishi | MSZ-GS24NA-U1 | 22.4 | 27.6 | 765 | 208 | 1 | 1 | HP-1 | Mitsubishi | MXZ-SM42NLHZ | 1, 2 |
| MS-2 | Mitsubishi | MSZ-GS24NA-U1 | 22.4 | 27.6 | 765 | 208 | 1 | 1 | | | | |

NOTES:
1. Install per Manufacturer's recommendations.
2. Furnish with wall mounted thermostat.

| DX SPLIT SYSTEM SCHEDULE | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|-------|------------|--------------|-----------|---------|---------------|------|----------|-----------|-----------|-------|----|-----|------|--------------|-------|------------|-------|----|-----|---------|
| TAG | MAKE | MODEL | NOMINAL TONS | TOTAL CFM | O/A CFM | REQ'D COOLING | | Motor HP | ESP ("WC) | HEAT (Kw) | POWER | | | TAG | NOMINAL TONS | MAKE | MODEL | POWER | | | REMARKS |
| | | | | | | TMBH | SBH | | | | VAC | PH | MCA | | | | | VAC | PH | MCA | |
| AHU-1 | Trane | A5AHV006A1 | 3 | 990 | 100 | 33.6 | 24.6 | 3/4 | 0.4 | 3.6 | 240 | 1 | 30 | CU-1 | 3 | Trane | A5AC3036A1 | 208 | 1 | 18 | 1, 2 |
| AHU-2 | Trane | A5AHV006A1 | 3 | 990 | 100 | 33.9 | 25.1 | 3/4 | 0.4 | 3.6 | 240 | 1 | 30 | CU-2 | 3 | Trane | A5AC3036A1 | 208 | 1 | 18 | 1, 2 |

NOTES:
1. Provide inlet filter box, single point power connection, time delay relay, condensate overflow switch & programmable 7/24 thermostat.
2. Cooling capacities to be rated in accordance with AHR1 standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.

DAMMON ENGINEERING, INC.
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| REVISIONS | DATE | DESCRIPTION |
|-----------|------|-------------|
| | | |



NEW WAREHOUSES SPECIALITY SENSING IMAGING

424 SOUTH STREET
SLIDELL, LA 70460

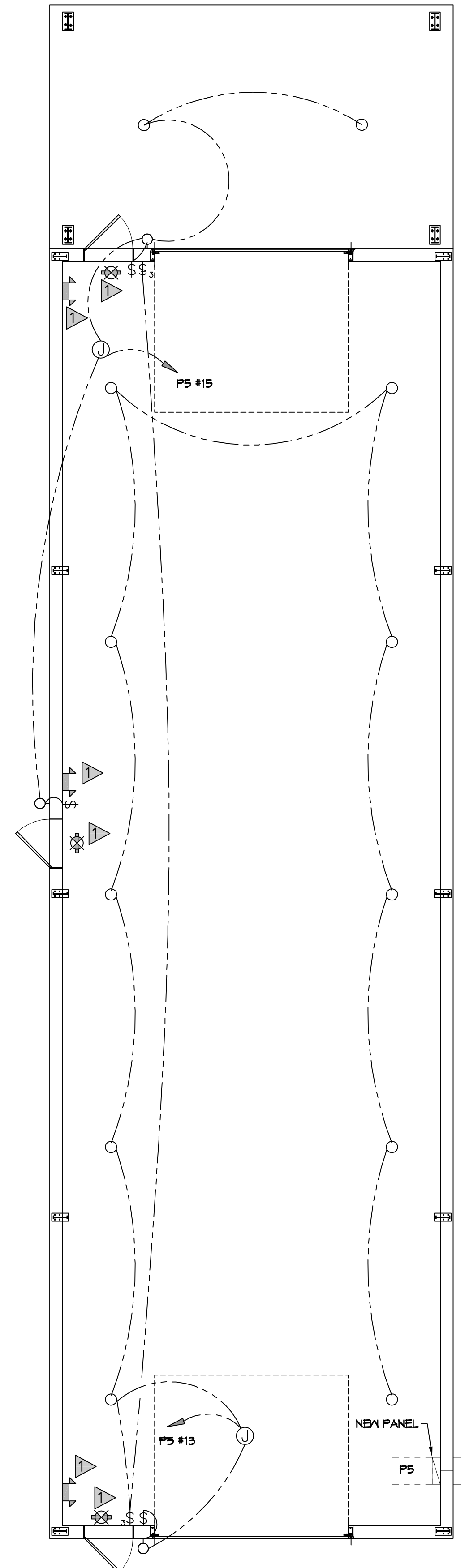
JOB No: 2448
DATE: 08-21-2025
DRAWN BY: GCP
CHECKED BY: GCP

SHEET TITLE:
MECHANICAL PLAN & PLUMBING RISER DIAGRAM

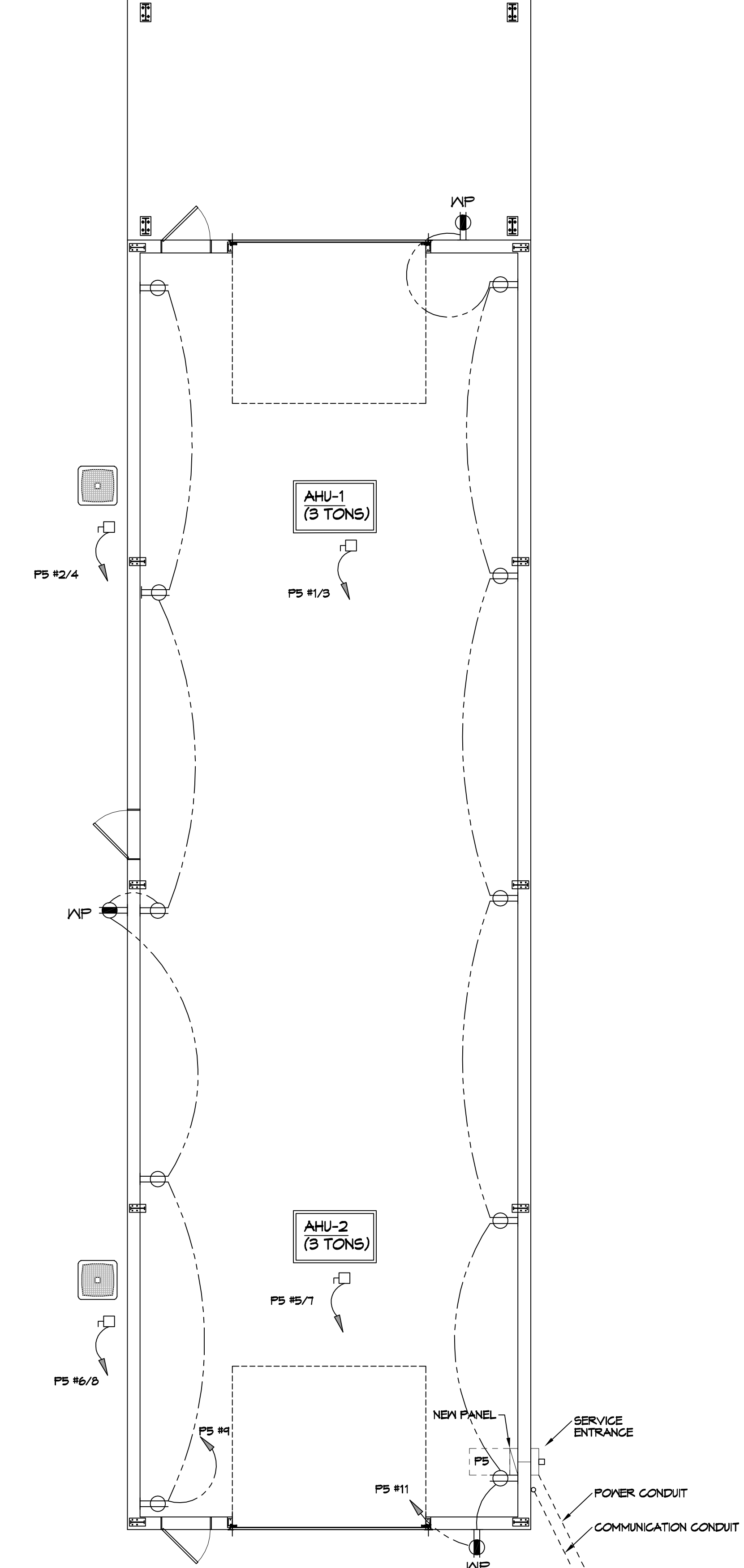
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M101

SHEET No: 10 of 16

FILE NAME: J:_Drawings\Warehouse - 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37 - 38 - 39 - 40 - 41 - 42 - 43 - 44 - 45 - 46 - 47 - 48 - 49 - 50 - 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 - 59 - 60 - 61 - 62 - 63 - 64 - 65 - 66 - 67 - 68 - 69 - 70 - 71 - 72 - 73 - 74 - 75 - 76 - 77 - 78 - 79 - 80 - 81 - 82 - 83 - 84 - 85 - 86 - 87 - 88 - 89 - 90 - 91 - 92 - 93 - 94 - 95 - 96 - 97 - 98 - 99 - 100 - 101 - 102 - 103 - 104 - 105 - 106 - 107 - 108 - 109 - 110 - 111 - 112 - 113 - 114 - 115 - 116 - 117 - 118 - 119 - 120 - 121 - 122 - 123 - 124 - 125 - 126 - 127 - 128 - 129 - 130 - 131 - 132 - 133 - 134 - 135 - 136 - 137 - 138 - 139 - 140 - 141 - 142 - 143 - 144 - 145 - 146 - 147 - 148 - 149 - 150 - 151 - 152 - 153 - 154 - 155 - 156 - 157 - 158 - 159 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 - 168 - 169 - 170 - 171 - 172 - 173 - 174 - 175 - 176 - 177 - 178 - 179 - 180 - 181 - 182 - 183 - 184 - 185 - 186 - 187 - 188 - 189 - 190 - 191 - 192 - 193 - 194 - 195 - 196 - 197 - 198 - 199 - 200 - 201 - 202 - 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30 NEW WAREHOUSE LIGHTING
SCALE: 3/16"=1'-0"



31 NEW WAREHOUSE POWER
SCALE: 3/16"=1'-0"

GENERAL POWER NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
- ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
- PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
- ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
- PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
- MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, 3/2" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC, BURIED A MINIMUM OF 18" FOR NON-VEHICULAR TRAFFIC AREAS, FOR CONDUITS BELOW GRADE. EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
- DROP/SUSPENDED CEILINGS - ALL WIRING ABOVE DROP/SUSPENDED CEILINGS SHALL BE PROTECTED FROM PHYSICAL DAMAGE WITH EMT, IN METAL STUD CONSTRUCTION, OR SCHEDULE 40 PVC, IN WOOD FRAME CONSTRUCTION. 6 FT LENGTH OF MC CABLE FOR EQUIPMENT WHIP(S) IS ALLOWED ABOVE DROPPED CEILING FROM A J-BOX TO LIGHT FIXTURES.
- CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
- ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
- INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN A KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
- BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 70:250-23, 250-71 & 250-72.
- GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
- FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
- PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
- EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
- VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

GENERAL LIGHTING NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
- GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
- WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
- ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE.
- ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
- ALL CONDUCTORS SHALL BE COPPER.
- WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
- MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
- WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
- EACH DIMMER SWITCH SHALL HAVE A WATTAGE RATING 25% HIGHER THAN THE TOTAL WATTAGE OF ALL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS, LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS SHALL BE LUTRON NOVA T-STAR.
- ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
- ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73G.
- TYPES NM AND NMC CABLES SHALL NOT BE PERMITTED TO BE EXPOSED IN DROPPED OR SUSPENDED CEILINGS.

LEGEND

- 8' LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EMERGENCY LIGHT
- SINGLE POLE LIGHT SWITCH
- 3-WAY LIGHT SWITCH
- JUNCTION BOX
- DUPLEX RECEPTACLE
- GFCI WEATHER PROOF DUPLEX RECEPTACLE

LIGHTING KEY NOTES

- PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP

DAMMON ENGINEERING, INC.
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www.dammonengineering.com
554 Old Spanish Trail
Slidell, LA 70458
Chief Engineer: Brian Mistich, PE
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| REVISIONS | DATE | # | DESCRIPTION |
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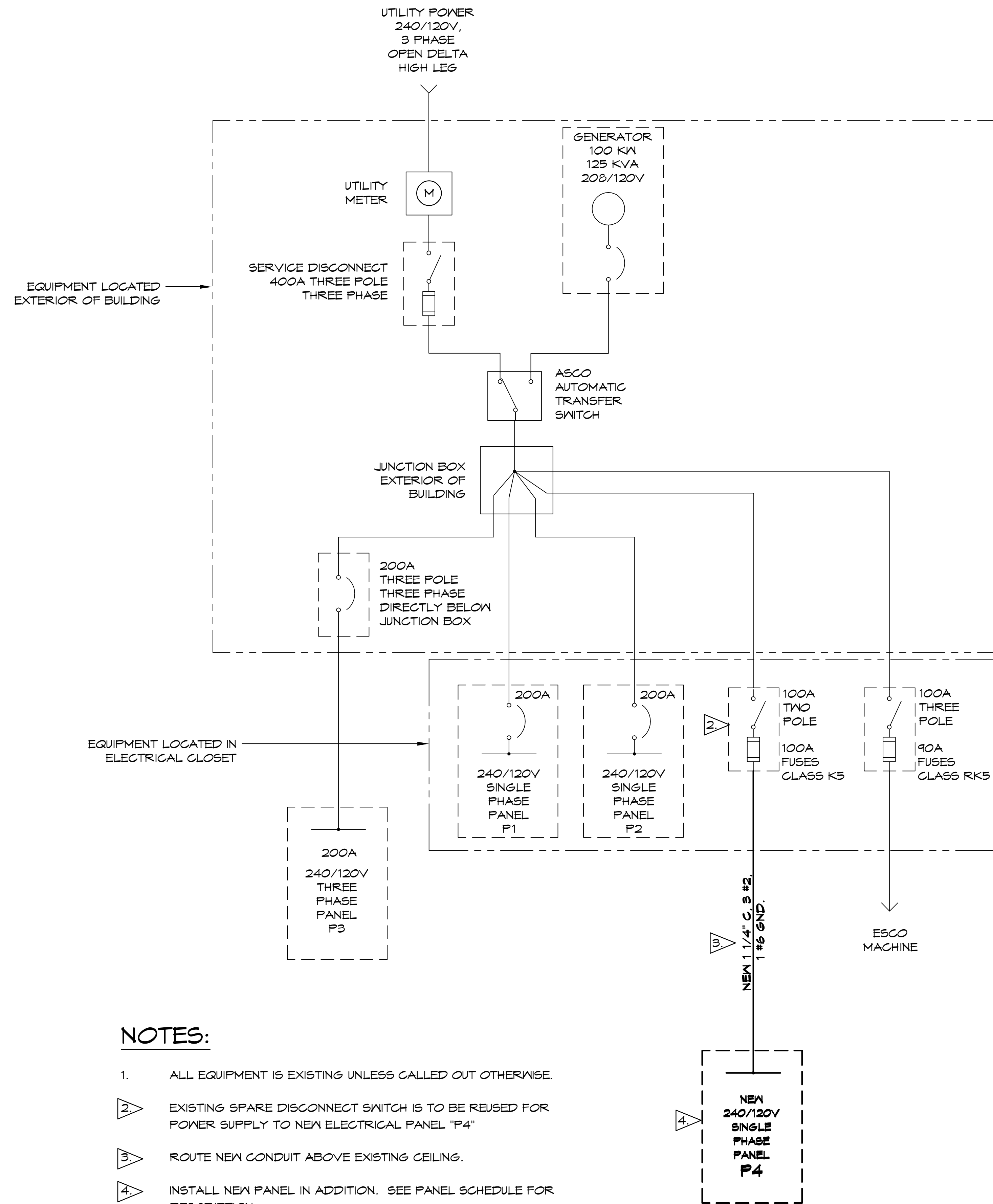


NEW WAREHOUSES SPECIALTY SECT-SPCIALITY SECT-SPCIALITY SECT-SPCIALITY
424 SOUTH STREET
SLIDELL, LA 70460
JOB No: 2449 | DATE: 08-21-2025
DRAWN BY: TMT | CHECKED BY: GPCP

SHEET TITLE:
NEW WAREHOUSE LIGHTING & POWER PLAN

DRAWING NUMBER:
E103
SHEET No: 13 of 16

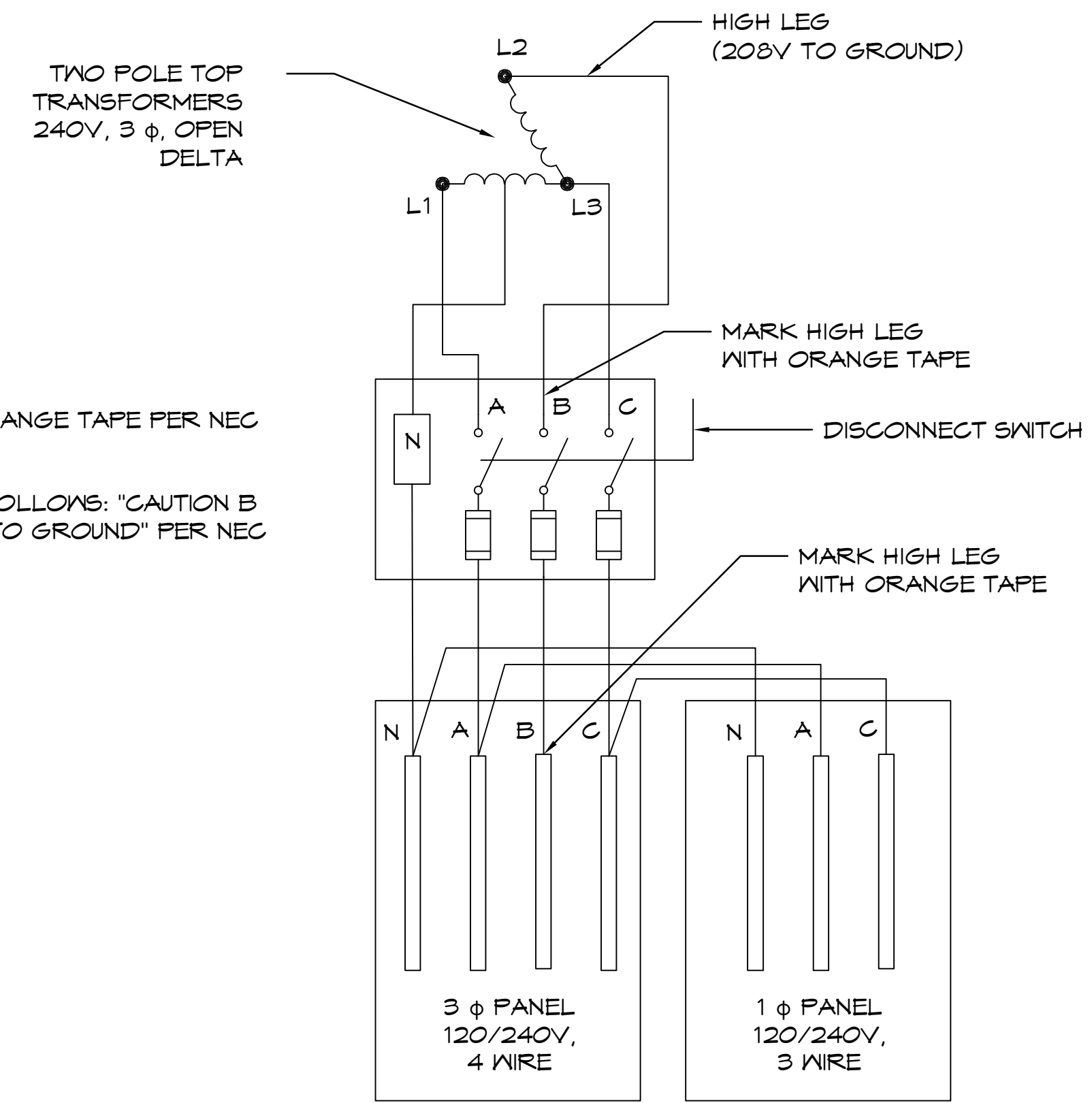
ELEC. DRAWING - 31 - OFFICE: MEMPHIS/308 - 50 South 429 South Street Slidell/Louisiana/70460
 Project: 1105141 - 02/08/2025 August 21, 2025 11:32:41 AM



NOTES:

1. ALL EQUIPMENT IS EXISTING UNLESS CALLED OUT OTHERWISE.
2. EXISTING SPARE DISCONNECT SWITCH IS TO BE REUSED FOR POWER SUPPLY TO NEW ELECTRICAL PANEL "P4"
3. ROUTE NEW CONDUIT ABOVE EXISTING CEILING.
4. INSTALL NEW PANEL IN ADDITION. SEE PANEL SCHEDULE FOR DESCRIPTION.

33 ONE LINE DIAGRAM (EXISTING BUILDING)
SCALE:



NOTES:

1. MARK HIGH LEG WITH ORANGE TAPE PER NEC ART 230.56.
2. FIELD MARK PANEL AS FOLLOWS: "CAUTION B PHASE HAS 208 VOLTS TO GROUND" PER NEC ART 408.3 (F)

34 DELTA HIGH LEG DIAGRAM
SCALE:

| REVISIONS | DATE |
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| # | DESCRIPTION |



NEW WAREHOUSES
 SEC-SPECIALTY
 SENSANG
 IMAGING
 424 SOUTH STREET
 SLIDELL, LA 70460
 JOB No: 2448 DATE: 06-21-2025
 DRAWN BY: DD/JTL CHECKED BY: BAM

SHEET TITLE:
ELECTRICAL ONE LINE
DIAGRAM

DRAWING NUMBER:

E105

