



NEW HAVEN PLANNING COMMISSION MEETING AGENDA

March 03, 2026 at 7:00 PM
Municipal Council Room – 57775 Main Street

In accordance with the Americans with Disabilities Act, reasonable accommodations can be made with advance notice by calling the Village Offices at (586) 749-5301

The New Haven Planning Commission will hold its Regular Meeting at 7:00 pm, at the New Haven Municipal Offices at 57775 Main Street.

- 1. Call to Order/Pledge/Roll Call**
- 2. Public Hearing**
- 3. Approval of Agenda**
- 4. Public Comments on Agenda**
- 5. Approval of the Minutes**
 - A.** Regular Meeting Minutes February 3, 2026
- 6. Communications/Correspondence/Workshop**
- 7. Old Business**
 - A.** AT&T Site Plan Review (Discussion & Action)
 - B.** Extra Credit Union Site Plan Review (Discussion & Action)
 - C.** GB Design Standards (Discussion & Action)
 - D.** GBD Design Standards (Discussion & Action)
- 8. New Business**
 - A.** Set Public Hearing for Administrative Standards
 - B.** Data Centers (Discussion Only)
 - C.** Warehouses (Discussion Only)
 - D.** Set public hearing for Lenox Township Library rezone
- 9. Planner's Report**

10. Public Comments on Non-Agenda Items

11. Call from the Table

12. Adjournment

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MEETING AGENDA

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The New Haven Planning Commission will hold its Regular Meeting at 7:00 pm, at the New Haven Municipal Offices at 57775 Main Street.

1. Call to Order/Pledge/Roll Call @ 7:00 pm

Please note Rachael was planned not to be here so she is excused.

Present: Robert Pannell, Genevieve Rodzik, Chris Dilbert, Craig Simms, Alynne Jones

Also Present: Planner David, Engineer Sermed

2. Public Hearing, There is no public hearing scheduled for this evening.

3. Approval of Agenda Motion by: Rodzik 2nd by: Simms Yea: 5 Na: 0

4. Public Comments on Agenda

Name: Mr. M Benoit Address: 58415 Pembroke

5. Approval of the Minutes

A. December 2, 2025 Public Hearing Lenox Township Library Lot Combination Minutes

Motion by: Rodzik 2nd by: Dilbert Yea: 5 Na: 0

B. December 2, 2025 Regular Meeting Minutes

Motion by: Rodzik 2nd by: Simms Yea: 5 Na: 0

6. Communications/Correspondence/Workshop

A. MSU Citizen Planner – Tuesdays Feb 10 – March 24, 6-9PM, Verkuilen Building in Auditorium Room

A/B 21885 Dunham Road, Clinton Township, MI 48036. Registration closes Feb 5, 2026

No response to attendance

B. American Planning Association Webinar: Data Center Know How for Planners and Officials February

12, 2026, 12:00PM - 2:00PM @ Village Hall as a group.

Pannell & Rodzik plan to attend, Simms will not be able to attend.

7. Old Business

A. Maritime Real Property - Parcel 26-06-33-326-009 (58359 Main Street) Preliminary Site Plan

Becky Klein for petitioner, 58105 Van Dyke, Washington Twp.

Motion: Rodzik, 2nd by Simnms, Approve L-1.1 & L-1.2 with 6' Shadow Box Fence, Allow existing vegetation away must bring up to current ordinance

Roll Call: **Robert Yea: X, Genevieve Rodzik Yea: X, Chris Dilbert Yea: X, Craig Simms Yea: X, Alynne Jones Yea: X**

Passed 5/0

B. Macomb Automotive - Parcels 26-06-33-276-035 & 26-06-33-276-038 (58025 Gratiot) Preliminary Site

Plan. This will continue to be postponed. Update from Dave. Do we want to send an opinion to Council on the wavers?

Motion: by Rodzik, 2nd by Simms to postpone to future meeting 5/0, motion passed

8. New Business

A. Set Public Hearing for Conditional Rezoning Request from Lenox Township Library

Part of NW 1/4 of Section 33, Town 4 North, Range 14 East, New Haven, Macomb County, Michigan,

being more particularly described as follows: The NORTHWESTERLY 22 feet of LOT 6, all of LOTS

7 and 8, and the NORTHWESTERLY 22 feet of LOT 9 of "A.A. Bennetts Addition to the Village of

New Haven," as being recorded in Liber 2 of Plats, on Page 90, Macomb County Records to be held on Tuesday March 3, 2026

Motion by: Rodzik, 2nd by: Simms, to set public hearing for 7PM on March 3, 2026 @ 7PM. 5/0 motion passed

B. Extra Credit Union

Appearing for Petitioner: Craig McDonald & Derek Riley, will meet with planner, engineer & fire department

Motion: Simms, 2nd by Dilbert to postpone for future meeting. 5 Yea 0 Na motion passed

C. AT&T Generator

Motion: by Simms, 2nd by Rodzik to postpone for future meeting if needed. 5 Yea 0 Na motion passed

D. GDB Amendments Presentation

No Motion: Planner made presentation, requested Commission to review materials for future meeting.

E. Data Centers Moratorium / Zoning Ordinance Discussion

No Motion: Thursday is a webinar to learn more about the issue to start development of an ordinance at future meeting.

F. New Commissioner, Council asked for a recommendation.

Motion: by Rodzik, 2nd by Simms to recommend James Shepherd to Village Council for appointment.

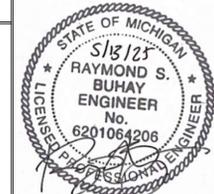
Roll Call: **Pannell Yea: X, Rodzik Yea: X, Dilbert Yea: X, Simms Yea: X, Jones Yea: X, motion passed 5/0**

Motion to adjourn the meeting by Rodzik, 2nd by Rodzik, 5/0 motion passed.



AT&T

GENERATOR REPLACEMENT NEW HAVEN CDO 59041 MAIN ST NEW HAVEN, MI 48048

PROJECT NAME: NEW HAVEN CDO - GENERATOR DESIGN	
DET-24002045-A4	

CONSULTANT STAMP	
exp U.S. Services Inc. 27777 Franklin Road Suite 1510 Southfield, MI 48034 U.S.A. www.exp.com	
• BUILDINGS • EARTH & ENVIRONMENT • ENERGY • • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •	

REVISIONS / AUTHORIZATIONS			
NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

PROPRIETARY AT&T INFORMATION
 NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T
 THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED
 PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION
 WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR
 BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.

 AT&T CORPORATE REAL ESTATE	DRAWINGS PREPARED FOR PROJECT_DRAWING
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59041 MAIN ST
 NEW HAVEN
 MI US
 NWHNMIMM 111436.01 M18255

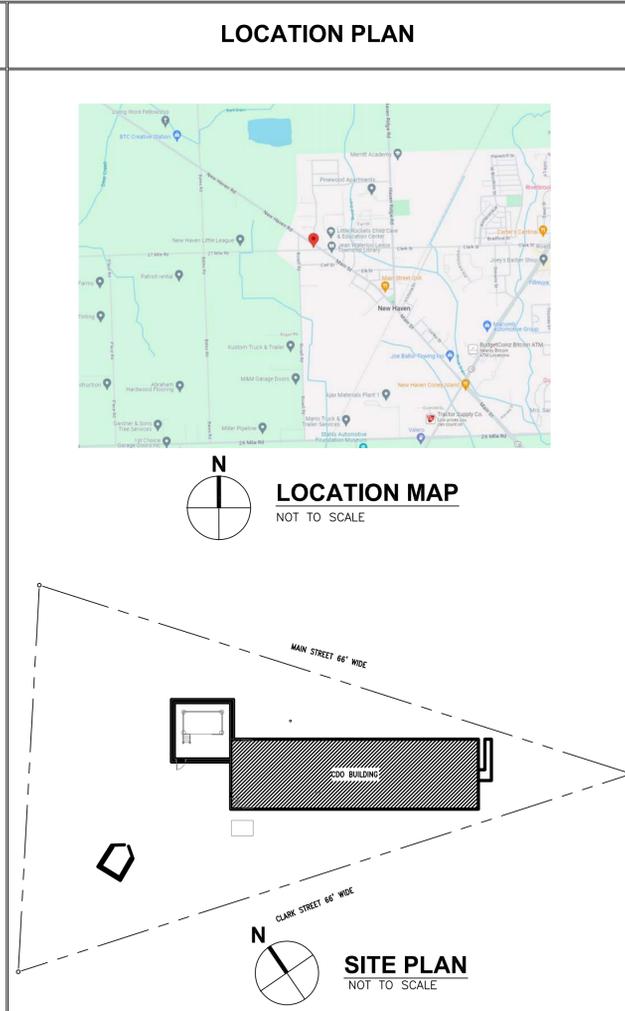
SHEET TITLE:
**COVER SHEET
 GENERAL**

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM	CHECKED BY: RB
	SHEET: -- OF: -- SHEETS	SHEET NO.
	AT&T DRAWING NO.: 2001272G00001	G00001

- ### GENERAL NOTES
- CONTRACTOR SHALL CLEAN AND DAMP MOP ALL WORK AREAS AND WORK TRAFFIC AREAS AT THE END OF EACH DAY.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
 - ALL PATCHING OF EXISTING CONSTRUCTION TO REMAIN SHALL BE DONE TO MATCH EXISTING MATERIALS AND FINISHES AND SO AS TO NOT VOID ANY EXISTING PRODUCT WARRANTIES.
 - THE OWNER'S CONSTRUCTION REPRESENTATIVE SHALL COORDINATE AND SUPERVISE THE WORK OF ALL TRADES AND FIELD VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION OF SUBCONTRACTORS' WORK. CONTRACTOR SHALL PAY FOR ALL COSTS ASSOCIATED WITH CHANGES DUE TO LACK OF COORDINATION.
 - THE CONTRACTOR SHALL CONFINE CONSTRUCTION TRAFFIC AND DEBRIS REMOVAL TO THE CONSTRUCTION AREA TO PREVENT DUST -RELATED DAMAGE TO THE TELECOMMUNICATIONS EQUIPMENT.
 - THE CONTRACTOR SHALL FURNISH SAMPLES AND SHOP DRAWINGS OF ALL EQUIPMENT AND FINISHES FOR REVIEW AND APPROVAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT AND SPECIFICATIONS.
 - ALL WORK SHALL CONFORM WITH THE MORE STRINGENT GUIDELINES FOR INSTALLATION AS ESTABLISHED BY THE PRODUCT MANUFACTURER OR THE RELEVANT STANDARDS ORGANIZATION.
 - PATCH, PAINT AND REPAIR ALL FLOORS, WALLS AND CEILINGS TO MATCH THE EXISTING CONSTRUCTION AND FINISHING OF THE BUILDING IN ALL LOCATIONS WHERE MECHANICAL AND ELECTRICAL DEMOLITION AND NEW WORK IS PERFORMED.
 - WHERE UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR MODIFIED, PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE TO OTHER PARTS OF THE BUILDING BEFORE PROCEEDING WITH THE WORK.
 - SEALANT REQUIRED FOR ALL EXTERIOR APPLICATIONS SHALL BE A TWO-PART POLYURETHANE MODIFIED SEALANT. SEALANT USED AT ALL DUCT, PIPE AND CONDUIT PENETRATIONS THROUGH WALLS AND FLOOR SLABS SHALL BE MANUFACTURED BY HILTI AND SHALL MEET UL REQUIREMENTS FOR THE FIRE RATED ASSEMBLIES BEING PENETRATED. PROVIDE CONTINUOUS HILTI FIRESAFING AT ALL DUCT, PIPE AND CONDUIT PENETRATIONS THROUGH WALLS AND FLOOR SLABS.
 - TEMPORARY DUST CONTAINMENT PARTITIONS ARE REQUIRED BEFORE ANY DEMOLITION OR ALTERATION WORK IS STARTED. FABRICATE WITH 2X4 FIRE RETARDANT STUDS AT 24" ON CENTER WITH TOP AND BOTTOM PLATES. PROVIDE AIR AND DUST TIGHT TEMPORARY WOOD DOOR. COVER FRAMING WITH FLEXIBLE GRIFFOLYN (1-800-231-6074) OR REBCO ANTI-STATIC FIRE SHEETS ON BOTH SIDES. PROVIDE LOCK AND WEATHER-STRIPPING AT DOOR. SEAL ALL EDGES OF ASSEMBLY DUST TIGHT.
 - THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE AND BUILDING CONDITIONS FROM DAMAGE DUE TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING EQUIPMENT, WALLS ETC FROM DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
 - SURVEY, INVENTORY AND RECORD THE CONDITION OF ITEMS TO BE REMOVED AND REINSTALLED WITH THE OWNER, SURVEY EXISTING CONDITIONS PRIOR TO THE START OF WORK.
 - WHEN EXISTING MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS CONFLICTING WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE THE NATURE AND EXTENT OF THE CONFLICT. PROMPTLY SUBMIT A WRITTEN REPORT TO THE ARCHITECT.
 - MAINTAIN UTILITIES EQUIPMENT IN SERVICE AND PROTECT AGAINST DAMAGE DURING CONSTRUCTION. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY THE BUILDING MANAGER AND AUTHORITIES HAVING JURISDICTION. IF REQUIRED BY THE OWNER, AT THE CONTRACTORS EXPENSE, PROVIDE TEMPORARY SERVICE DURING INTERRUPTIONS TO EXISTING UTILITIES. PROVIDE NOT LESS THAN 72 HOURS PRIOR NOTICE TO THE OWNER AND BUILDING MANAGER IF SHUTDOWN OF SERVICE IS REQUIRED.
 - THE CONTRACTOR SHALL PROTECT THE TELECOMMUNICATIONS EQUIPMENT PER THE LATEST AT&T STANDARDS, AND TO THE SATISFACTION OF THE AT&T BUILDING MANAGER. EQUIPMENT PROTECTION WHICH IS TO REMAIN IN PLACE FOR MORE THAN 24 HOURS SHALL BE CONSTRUCTED IN SUCH A WAY TO ALLOW ACCESS TO THE EQUIPMENT, AS WELL AS TO ACCOMMODATE EQUIPMENT VENTILATION REQUIREMENTS.
 - ASBESTOS CONTAINING MATERIALS (ACM) IS STRICTLY PROHIBITED FROM BEING INSTALLED ON ALL AT&T PROJECTS. SHOULD ACM BE INADVERTENTLY INSTALLED ON PROJECTS, PROPER REMOVAL, DISPOSAL AND REPLACEMENT WITH APPROVED PRODUCT SHALL BE THE SOLE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AT NO COST TO THE OWNER.
 - CONTACT JON NIXON, AT&T DAMAGE PREVENTION MANAGER AT OFFICE NUMBER: (616) 881-2268 OR EMAIL: JN3249@ATT.COM PRIOR TO ANY EXCAVATING, DRILLING OR DIGGING AT ANY AT&T LOCATION.

DRAWING INDEX

GENERAL	
G00001	COVER SHEET
G00002	RESPONSIBILITY MATRIX
CIVIL	
C10000	GENERAL NOTES
C10101D	EXISTING CONDITIONS AND DEMOLITION PLAN
C20000	NEW WORK PLAN
C40000	DETAILS
C40001	U.S.T. DETAILS
MECHANICAL	
M00001	ABBR., SYMBOLS & NOTES
M10101	FIRST FLOOR PLAN - DEMO & NW
M50001	DETAILS
ELECTRICAL	
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E10101	FIRST FLOOR PLAN - DEMO & NW
E40101	PART. FIRST FLOOR PLAN - PWR - NW
E40102	PART. FIRST FLOOR PLAN - GRD - NW
E50001	BOSCH PANEL DETAILS
E60001	GROUNDING RISER & DETAILS
E60002	GROUNDING DETAILS
E60003	CONTROL WIRING DIAGRAM
E60004	FUEL SYSTEM WIRING DIAGRAM
E60005	DETAILS
E60006	GCTP & NAMEPLATE SCHEDULE
ONE LINE DIAGRAM	
N60000D	ONE LINE DIAGRAM - DEMO
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FIRE ALARM	
D00001	LEGEND, NOTES & MATRIX
D10101D	FIRST FLOOR PLAN - DEMO
D10101	FIRST FLOOR PLAN - NEW WORK
D50001	RISER AND DETAILS
D50002	CALCULATIONS
D50003	NOTES & DETAILS



BUILDING CODE ANALYSIS

GENERAL PROJECT INFORMATION:
 OWNER: AT&T CORPORATE REAL ESTATE
 AUTHORITY HAVING JURISDICTION: NEW HAVEN, MI

CODE TYPE/YEAR:
 BUILDING: 2021 MBC
 STRUCTURAL: 2021 MBC
 PLUMBING: 2021 MPC
 FIRE/LIFE-SAFETY: MICHIGAN FIRE PREVENTION CODE
 ACCESSIBILITY: 2021 MBC
 MECHANICAL: 2021 MMC
 ELECTRICAL: THE ELECTRICAL CODE RULES PART 8, INCORPORATING THE 2023 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), AND ALL OTHER LOCAL CODES

OTHER PROJECT INFORMATION:
 OCCUPANCY CLASSIFICATION: GROUP B (TELECOMMUNICATIONS)
 CONSTRUCTION TYPE: IIB
 NON-SPRINKLERED
 Ss = 0.056
 St = 0.044
 RISK CATEGORY IV (PER MBC TABLE 1604.5)
 SITE CLASS D (ASSUMED)
 Sps = 0.092
 Sst = 0.071
 SDC = SEISMIC DESIGN CATEGORY = C (IBC)
 SHL = SEISMIC HAZARD LEVEL = D (SMACNA)

PROJECT DIRECTORY

OWNER REPRESENTATIVE: AIMEE BUTLER AT&T CORPORATE REAL ESTATE 248-761-8139 EMAIL: AP2953@ATT.COM	CONSTRUCTION MANAGER: ADAM MINGER GILBANE BUILDING COMPANY 517-420-7858 EMAIL: AMINGER@GILBANE.CO	ARCHITECT/ENGINEER: EXP U.S. SERVICES ARCHITECTURAL: ASHLEY ARMBRUSTMACHER: 248-351-8214 EMAIL: ASHLEY.ARMBRUSTMACHER@EXP.COM ELECTRICAL: PERRY NORRITO: 248-351-8225 EMAIL: PERRY.NORRITO@EXP.COM MECHANICAL: RAYMOND BUHAY: 248-351-8216 EMAIL: RAYMOND.BUHAY@EXP.COM CIVIL: NICHOLAS KARPATY EMAIL: NICHOLAS.KARPATY@EXP.COM
SITE SUPERINTENDENT: MIKE ZASADNY GILBANE BUILDING COMPANY 1365 CASS AVENUE RM. 1218 DETROIT, MI 48226 313-806-3914 EMAIL: MZASADNY@GILBANE.CO		

PROJECT SUMMARY

REPLACEMENT OF GENERATOR AND BELLY TANK AND INSTALLATION OF GENERATOR MODULE AND AST. MODULE AND AST TO BE SCREENED WITH VEGETATION.

C:\Users\jatejia\AppData\Local\Temp\AcPublish_8476\2001272G00001.dwg
 05-15-2025 17:24:34 (XREF) E:\DET\DET-24002045-A4\60 Execution\65 Drawings\Ar
 C:\Users\jatejia\AppData\Local\Temp\AcPublish_8476\2001272G00001.dwg (XREF) . . . 4\60 Execution\65 Drawings\Ar

GENERAL NOTES:

- EXISTING SITE TOPOGRAPHY, PROPERTY, RIGHT-OF-WAY, AND HORIZONTAL CONTROL DATA SHOWN ON THE DRAWINGS WERE OBTAINED FROM A TOPOGRAPHIC SURVEY PREPARED BY MUXLOW SURVEYING, PROJECT NUMBER 11033, DATED 06/20/2024, AND REVISED 07/03/2024.
- SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTOR TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH THE CURRENT CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT.
- ALL ELEVATIONS ON THE PLANS AND REFERENCED IN THE CONTRACT DOCUMENT ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 DATUM).
- EXISTING UNDERGROUND UTILITIES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING CONDITIONS, INCLUDING, BUT NOT LIMITED TO: THE PROPERTY BOUNDARY, BUILDINGS, STRUCTURES, PAVEMENT, AND UTILITY HORIZONTAL AND VERTICAL LOCATIONS BEFORE THE START OF CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL AND STARTING WORK.
- THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS EXP US SERVICES, INC., ITS SUBSIDIARIES AND ASSIGNS, THE AUTHORITY HAVING JURISDICTION (AHJ), THEIR EMPLOYEES AND AGENTS, AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION. ALL DEVIATIONS FROM THE PLANS ARE TO BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL CONSTRUCTION IN CONFORMANCE WITH ALL MUNICIPAL AND OWNER REQUIREMENTS FOR USE IN PREPARING AS-BUILT DRAWINGS.
- THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS OR TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL WORK PROPOSED HEREIN SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND THE FOLLOWING STANDARDS AND SPECIFICATIONS:
 - ORDINANCES OF THE VILLAGE OF NEW HAVEN, MICHIGAN AS PREPARED BY THE VILLAGE OF NEW HAVEN.
 - "MDO STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS PREPARED BY MICHIGAN DEPARTMENT OF TRANSPORTATION, LATEST EDITION
 - "MDO DRAINAGE MANUAL" AS PREPARED BY MDO, LATEST EDITION
 - SPECIFICATIONS AND ENVIRONMENTAL PROTECTION AGENCY.
 - THE NATIONAL ELECTRICAL CODE.
 - THE MICHIGAN ACCESSIBILITY CODE.
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) - LAWS AND REGULATIONS.
 - MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REGULATIONS.
 - TESTING OF SOILS BEING EXPORTED FROM THE SITE AND APPROPRIATE DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - ANY MATERIAL IMPORTED ONTO SITE SHALL BE CLEAN AND UNCONTAMINATED. PROOF OF MATERIAL QUALITY COMPLIANCE SHALL BE PRESENTED TO OWNER PRIOR TO IMPORT. OWNER SHALL HAVE THE RIGHT TO VERIFY RESULTS WITH THIRD PARTY TESTING PRIOR TO IMPORT.
- THE WORDS "NEW" "PROPOSED" "INSTALL" "PROVIDE" OR OTHER WORDS WITH A SIMILAR MEANING ON ANY PART OF THESE CONSTRUCTION DOCUMENTS SHALL BE INTERPRETED TO MEAN "FURNISHING AND INSTALL COMPLETE IN PLACE AND READY FOR SERVICE" UNLESS OTHERWISE NOTED IN WRITING BY THE ENGINEER.
- IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AGENCIES HAVING JURISDICTION OVER THE PROJECT AREA. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH ENGINEER AND OWNER TO MINIMIZE IMPACTS TO THE OPERATION OF THE SITE. CONTRACTOR SHALL ACCOMMODATE SITE OPERATION REQUIREMENTS VIA WORK SCHEDULES AND TEMPORARY MOT MEASURES INCLUDING BUT NOT LIMITED TO SIGNAGE, FLAGGERS, AND ROAD PLATING TO COVER

- EXPOSED EXCAVATIONS. SUBSURFACE EXPLORATION INFORMATION PROVIDED IS FOR THE CONTRACTOR'S INFORMATION. THE ENGINEER DOES NOT MAKE ANY REPRESENTATION REGARDING EXISTING SUBSOIL CONDITIONS ACROSS THE PROJECT AREA.
- SHOP DRAWINGS:
 - PRIOR TO CONSTRUCTION COMMENCEMENT, THE CONTRACTOR SHALL PROVIDE THE ENGINEER A SHOP DRAWING LOG AND SUBMITTAL SCHEDULE FOR REVIEW. SHOP DRAWINGS SHALL BE PROVIDED IN APPLICABLE PACKAGES FOR THE COMPLETE INSTALLATION/CONSTRUCTION OF PROJECT COMPONENTS (POTABLE WATER, SEWER, PAVING, ETC.) OR PHASES (IF APPLICABLE).
 - PRIOR TO INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO, REVIEWED BY, AND APPROVED BY THE ENGINEER AND REGULATORY AGENCIES (FOR PUBLIC DONATION PROJECT COMPONENTS).
 - PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. ENGINEER WILL CONDUCT UP TO TWO (2) SHOP DRAWING REVIEWS PER PACKAGE; ADDITIONAL ENGINEER REVIEWS RESULTING FROM DISAPPROVED DRAWINGS SHALL BE AT AN ADDITIONAL COST TO THE CONTRACTOR.

- CONTRACTOR PRECONSTRUCTION RESPONSIBILITIES:
- UPON RECEIPT OF NOTICE OF AWARD AND AFTER OBTAINING A CONSTRUCTION PERMIT FROM THE VILLAGE OF NEW HAVEN, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE THE OWNER AND ENGINEER.
 - CONTRACTOR SHALL SUBMIT A DETAILED PHASING AND MAINTENANCE TRAFFIC (MOT) PLAN FOR REVIEW AND APPROVAL BY ENGINEER AND OWNER PRIOR TO CONSTRUCTION COMMENCEMENT AND OBTAINING MOT PERMITS/APPROVALS FROM AGENCIES AS REQUIRED.
 - CONTRACTOR SHALL NOTIFY OWNER OF ALL PRIVATE ROADWAY INTERRUPTIONS/DISTURBANCES A MINIMUM OF 48 HOURS PRIOR TO WORK.
 - THE CONTRACTOR SHALL OBTAIN A MI MISS DIG 811 CERTIFICATION NUMBER FOR UTILITY LOCATE AND NOTIFY THE UTILITIES IDENTIFIED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
 - PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES PROPOSED TO BE GROSSED OR MODIFIED BY THE WORK PROPOSED IN THE CONTRACT DOCUMENTS.

- UTILITIES:
- EXISTING UTILITY LOCATIONS ON THESE PLANS ARE APPROXIMATE BASED ON THE MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN OR REFERENCED TO IN THE CONTRACT DOCUMENTS.
 - THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITIES (ABOVE AND BELOW GRADE) WHETHER SHOWN OR NOT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH FALLS TO REQUEST LOCATIONS FROM. THE CONTRACTOR IS ADDITIONALLY RESPONSIBLE FOR DAMAGE TO ANY UTILITIES WHICH ARE PROPERLY LOCATED.
 - IF UPON EXCAVATION AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK OR TO BE OF A SIZE OR MATERIAL DIFFERENT THAN WHAT IS SHOWN IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.
 - THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNER IN ADVANCE OF MARKING ANY CONNECTION TO AN ACTIVE PIPELINE OR UTILITY SYSTEM.
 - ALL EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING THE CONSTRUCTION WORK UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER AND UTILITY OWNER.
 - PERFORM CONNECTIONS TO EXISTING UTILITIES IN SUCH A MANNER THAT NO DAMAGE AND MINIMAL INTERRUPTION IS CAUSED TO EXISTING INSTALLATION. ANY DAMAGE CAUSED TO EXISTING INSTALLATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
 - COORDINATE CONNECTION OPERATIONS WITH THE OWNER, WHO SHALL BE NOTIFIED AT LEAST 7 DAYS IN ADVANCE OF ANY ACTIVITY WHICH MAY INTERFERE WITH THE EXISTING UTILITY SYSTEM.
 - CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING SANITARY SEWER LINES AT THE PROPOSED TIE-IN LOCATION. CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF ANY DEVIATIONS WITH THE EXISTING CONDITIONS PRIOR TO INSTALLING ANY SANITARY SEWER STRUCTURES OR PIPING.
 - CONTRACTOR TO PLACE A MINIMUM 3 FEET OF COVER OVER ALL PIPES DURING CONSTRUCTION TO PREVENT DAMAGE FROM CONSTRUCTION VEHICLES UNLESS OTHERWISE SPECIFIED IN THE PLANS.

- TEMPORARY FACILITIES:
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY UTILITIES INCLUDING BUT NOT LIMITED TO TEMPORARY POTABLE WATER, SANITARY FACILITIES, AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR

- USE DURING CONSTRUCTION.
- MAINTENANCE OF TRAFFIC (MOT):
 - CONTRACTOR SHALL COORDINATE WITH OWNER, ENGINEER, AND APPLICABLE AGENCIES PRIOR TO ANY WORK REQUIRING MOT AND PREPARE ANY REQUIRED MOT PLANS AND OBTAIN PERMITTING APPROVAL AS REQUIRED BY THE AGENCIES HAVING JURISDICTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.
 - MOT IN THE PUBLIC RIGHT-OF-WAY AND SITE ACCESS ROADS/PARKING LOT SHALL BE IN ACCORDANCE WITH THE MUTCD AND THE AGENCIES HAVING JURISDICTION OVER THE PROJECT.
 - CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR IN-USE FACILITIES WITHOUT PERMISSION FROM OWNER AGENCIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS AS REQUIRED BY GOVERNING REGULATIONS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MOT AND SAFETY OF THE PROJECT SITE DURING CONSTRUCTION UNTIL FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE OWNER.
 - CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF DETOURS, AS APPLICABLE TO ACTUAL CONSTRUCTION ZONES. CONTRACTOR SHALL ENSURE FIRE PROTECTION SERVICES ACCESS TO CONSTRUCTION FACILITIES AND ADJACENT BUILDINGS AS NECESSARY AT ALL TIMES.

- SOIL EROSION CONTROL AND STORMWATER POLLUTION PROTECTION:
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS DETAILED IN THE SOIL EROSION AND SEDIMENTATION CONTROL (SECC) AND/OR STORMWATER POLLUTION PREVENTION (SWPP) PLAN TO PREVENT TRANSMISSION OF SEDIMENT TO THE DRAINAGE FACILITIES.
 - EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST PART OF CONSTRUCTION. SEDIMENT CONTROL MEASURES MUST PROTECT ALL DRAINAGE FACILITIES FROM SEDIMENTATION.
 - EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED DAILY. REPAIRS TO BE MADE AS NECESSARY AND WITHIN 24 HOURS OF INSPECTION.
 - NO SEDIMENT FROM SITE CONSTRUCTION SHALL BE ALLOWED TO TRANSFER OUTSIDE PROPERTY.
 - EROSION CONTROL MEASURES SHALL BE INSTALLED AROUND ANY DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS.
 - ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL JURISDICTIONAL GOVERNMENTAL AGENCY REQUIREMENTS WITHIN THIRTY (30) DAYS OF FINAL STABILIZATION.
 - FILTER TRAPS AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED. AFTER COMPLETE VEGETATION ESTABLISHMENT, ALL SILT WITHIN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS SO THAT FINISHED GRADES ARE MET.

- EARTHWORK:
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE UNSUITABLE MATERIAL PRESENT ON-SITE AND INCLUDE THE REMOVAL AND REPLACEMENT OF SAME IN THE BID PRICE.
 - THE CONTRACTOR'S BID FOR EARTHWORK SHALL INCLUDE THE EXCAVATION, REMOVAL AND DISPOSAL OF ALL MATERIALS, OF WHATEVER CHARACTER, WITHIN THE LIMITS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL MAKE HIS OWN ESTIMATE ON THE VOLUME OF MATERIAL ACTUALLY REQUIRED TO OBTAIN THE CROSS SECTIONS OR GRADES AS SHOWN ON THE PLANS.
 - THE CONTRACTOR SHALL REMOVE ALL MUCK, YIELDING MATERIAL ROOTS, VEGETATION AND OTHER DEGRADABLE MATERIAL IN ITS ENTIRETY, WITHIN THE PAVEMENT UNITS AND BELOW ALL STRUCTURES AND UTILITIES TO FULL EXCAVATED TRENCH WIDTH. SAID MATERIAL SHALL BE REPLACED WITH CLEAN ORGANIC FREE MATERIAL WITH ROCKS SMALLER THAN ONE INCH IN DIAMETER COMPACTED TO NOT LESS THAN 98% MAXIMUM DENSITY AT OPTIMUM MOISTURE. AASHTO T-180 METHOD "D" WITH MAXIMUM LIFTS OF TWELVE INCHES COMPACTED THICKNESS.
 - ROCK EXCAVATION SHALL INCLUDE ANY ROCK ENCOUNTERED WHICH CANNOT BE REMOVED WITH A 3/4 YARD BACKHOE UNDER NORMAL OPERATING CONDITIONS. ROCK EXCAVATION SHALL BE INCIDENTAL TO CONSTRUCTION OF ALL PIPING SYSTEMS AND NO SEPARATE PAYMENT WILL BE MADE.
 - ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
 - TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE NOT TO BE LEFT OPEN OUTSIDE OF ACTIVE CONSTRUCTION ACTIVITIES IN THE SPECIFIC AREA. STEEL ROAD PLATING OF OPEN EXCAVATIONS MAY BE REQUIRED AS REQUESTED BY OWNER TO ENSURE OPERATION OF THE FACILITY DURING CONSTRUCTION.

- WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, CONTRACTOR TO BRACE OR SHORE THE SIDES OF THE TRENCH, SUCH BRACING OR SHORING SHALL BE CONSIDERED TO BE PART OF THE BID PRICE OF UTILITY PIPE FOR WHICH EXCAVATION AND BACKFILL IS REQUIRED.
- THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING, BRACING, AS MAY BE REQUIRED TO SUPPORT THE SIDE OF THE EXCAVATION, AND TO PREVENT ANY MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES.
- IF FIELD CONDITIONS, TYPE OF SHEETING OR CONSTRUCTION METHODS MAKE REMOVAL OF SHEETING IMPRACTICABLE, AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR MAY LEAVE ALL SHEETING IN PLACE. THE ENGINEER MAY REQUIRE SHEETING TO BE CUT OFF AT ANY SPECIFIED ELEVATION BUT IN NO CASE WILL ANY SHEETING BE LEFT CLOSER THAN TWO (2) FEET BELOW THE NATURAL SURFACE, NOR CUT OFF BELOW THE ELEVATION OF THE TOP OF THE PIPE.
- AFTER PIPES, STRUCTURES, AND OTHER APPURTENANCES HAVE BEEN INSTALLED, THE TRENCH OR OPENING SHALL BE BACKFILLED WITH MATERIAL IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- IF THE BOTTOM OF THE TRENCH IS ROCK, THE EXCAVATION SHALL BE CARRIED EIGHT INCHES BELOW THE INVERT OF THE PIPE AND BACKFILLED WITH THOROUGHLY COMPACTED SAND, GRAVEL, OR OTHER SUITABLE MATERIAL APPROVED BY THE ENGINEER.
- IN AREAS WHERE NO PAVEMENT IS TO BE CONSTRUCTED, THE BACKFILL ABOVE THE TWELVE INCH LINE ABOVE THE PIPE SHALL BE COMPACTED TO A FIRMNESS APPROXIMATELY EQUAL TO THAT OF THE SOIL ADJACENT TO THE PIPE TRENCH.
- CONSTRUCTION SAFETY - ALL CONSTRUCTION SHALL PERFORMED IN A SAFE MANNER. SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF MICHIGAN TRENCH SAFETY ACT.
- WATER SHALL NOT BE PERMITTED TO ACCUMULATE IN THE EXCAVATED AREA. IT SHALL BE REMOVED BY PUMPING OR OTHER MEANS AS APPROVED BY THE ENGINEER. THE REMOVAL OF WATER SHALL BE CONSIDERED TO BE A PART OF THE BID PRICE OF THE ITEM FOR WHICH EXCAVATION AND BACKFILL IS REQUIRED. CONTRACTOR TO OBTAIN DOWATERING 1 PERMITS FROM APPLICABLE JURISDICTIONAL AGENCIES IF REQUIRED.
- INSITU SOILS SHALL NOT BE REUSED ONSITE FOR BACKFILL.

- DEMOLITION:
- REMOVAL, DEMOLITION, HAULING, AND DISPOSAL SHALL COMPLY WITH REGULATIONS BY THE STATE D.E.P., E.P.A., AND ANY OTHER AUTHORITY HAVING JURISDICTION.
 - CONTRACTOR SHALL DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT, AND DISPOSE OF CHEMICALS, GASES, EXPLOSIVES, ACIDS, FLAMMABLES, OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH DEMOLITION OPERATIONS.
 - CONTRACTOR SHALL CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
 - ALL EXCAVATED MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
 - FOR SELECTIVE DEMOLITION, CONTRACTOR SHALL USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION, TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING OR CHOPPING. TEMPORARILY COVER OPENINGS TO REMAIN.
 - CONTRACTOR SHALL DEMOLISH CONCRETE IN SMALL SECTIONS; CUT CONCRETE AT JUNCTURES WITH CONSTRUCTION TO REMAIN, USING POWER-DRIVEN MASONRY SAW OR HAND TOOLS; DO NOT USE POWER-DRIVEN IMPACT TOOLS.
 - TEMPORARY PATCH MATERIAL MUST BE ON THE PROJECT SITE WHENEVER PAVEMENT IS CUT, OR THE ENGINEER MAY SHUT THE JOB DOWN.
 - CONTRACTOR SHALL CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
 - ALL TREES TO REMAIN SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND SHALL BE PROTECTED (INCLUSIVE OF TRUNKS, BRANCHES, AND ROOTS) PER LOCAL AHJ STANDARDS.
 - CONTRACTOR SHALL ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, BARRIERS, RAILINGS, ETC. WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
 - CONTRACTOR SHALL PROTECT EXISTING SITE IMPROVEMENTS, APPURTENANCES, AND LANDSCAPING TO REMAIN.
 - ADJACENT IMPROVEMENTS SHALL BE CLEANED OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. ADJACENT AREAS SHALL BE REQUIRED TO BE RETURNED TO CONDITION EXISTING BEFORE START OF DEMOLITION AND NO ADDITIONAL COSTS.
 - ALL EXISTING STREET LIGHTING WILL REMAIN IN PLACE AND REMAIN IN SERVICE DURING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL USE CARE TO ENSURE EXISTING

- CONDUIT, PULLBOXES, AND CONTROL ARE NOT DAMAGED DURING DEMOLITION OPERATIONS.
- GRADING:
- PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS IN PAVED AREAS.
 - ALL EXISTING UTILITY MH COVERS, ELECTRICAL BOXES, METER BOXES, METERS, DRAINAGE STRUCTURES, ETC. WITHIN PROPOSED AREAS OF IMPROVEMENTS SHALL BE ADJUSTED TO MATCH FINISHED PAVED GRADE ELEVATION, UNLESS OTHERWISE NOTED.
 - PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.
 - ALL PROPOSED SPOT GRADES MARKED AS "ME" SHALL MATCH EXISTING ELEVATIONS.
 - CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ROADWAYS, ALONG CURB FLOW LINES, AWAY FROM BUILDINGS AND STRUCTURES, AND TOWARD STORM WATER MANAGEMENT SYSTEM. CONTRACTOR SHALL VERIFY FEASIBILITY OF POSITIVE DRAINAGE PRIOR TO FORMING OR INSTALLATION WORK AND IMMEDIATELY NOTIFY OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES.
 - MATCH EXISTING ELEVATIONS WHERE NEW CONSTRUCTION MEETS EXISTING. ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES TOWARDS STORM WATER MANAGEMENT SYSTEMS. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PAVEMENT, GRAVEL, OR TOPSOIL INSTALLATION.
 - WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO CONSTRUCTION, THE DRAINAGE ROUTE SHALL BE RE-ESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL EXERCISE CAUTION WHEN GRADING NEAR TREE ROOTS TO AVOID DAMAGE FROM UNPLANNED ROOT PRUNING OR PLACEMENT OF EXCESSIVE FILL OVER ROOTS.
 - ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED AND MATCH EXISTING ADJACENT GRADE UNLESS OTHERWISE SPECIFIED.
- PAVING:
- ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE PAVEMENT BASE IN THE AREA OF WORK.
 - CONTRACTOR SHALL PREPARE PAVEMENT AREAS IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT PRIOR TO INSTALLATION OF STABILIZED SUB-GRADE FILL.
 - STABILIZED SUB-GRADE FILL SHALL BE INSTALLED TO THE THICKNESS AND COMPACTION SHOWN IN THE CONTRACT DOCUMENTS. SUB-GRADE FILL MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. SUB-GRADE FILL MATERIAL GREATER THAN 6" SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS.
 - ROADWAY BASE MATERIAL SHALL BE INSTALLED TO THE THICKNESS AND COMPACTION SHOWN IN THE CONTRACT DOCUMENTS. ROADWAY BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS.
 - TESTING OF ALL SUB-GRADE, BASE, AND ASPHALTIC CONCRETE OR PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE TAKEN PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER/TESTING AGENCY (TO BE ENGAGED BY CONTRACTOR). IN THE ABSENCE OF ANYTHING STATING OTHERWISE, COMPACTION TESTS ARE TO BE PERFORMED ON EVERY 6" LIFT OF AGGREGATE BACKFILL AND ON EVERY LIFT OF NEW ASPHALT PAVEMENT. CONTRACTOR TO SUBMIT TESTING SCHEDULE TO OWNER/ENGINEER A MINIMUM OF 1 WEEK IN ADVANCE OF SUB-GRADE PROOF ROLL TEST.
 - ASPHALTIC CONCRETE PAVEMENT:
 - ASPHALTIC CONCRETE PAVEMENT THICKNESS AND COMPACTION SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - PRIME AND TACK COATS SHALL BE PLACED IN ACCORDANCE WITH MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
 - ALL ASPHALTIC CONCRETE SHALL HAVE A MAXIMUM OF 20% (BY WEIGHT) OF RECYCLED ASPHALT PRODUCTS (RAP).
 - PORTLAND CEMENT CONCRETE PAVEMENT:
 - CONTRACTOR SHALL PREPARE PAVEMENT AREAS IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND ACI-330 PRIOR TO INSTALLATION OF STABILIZED SUBGRADE FILL.
 - ALL CONCRETE USED SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AND THICKNESS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - LAY OUT CONTROL JOINTS BY STARTING WITH ANY DRAINAGE INLETS OR STRUCTURES WITHIN THE PAVEMENT SECTION AND WORK TOWARD EDGE OF PAVEMENT.
 - KEEP ALL JOINTS CONTINUOUS UNLESS TERMINATED BY AN ISOLATION JOINT.
 - CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 4 TO 12 HOURS FROM TIME OF PLACEMENT; MAXIMUM SPACING (IN FEET) SHALL BE TWO TIMES THICKNESS (IN INCHES).
 - KEEP JOINTS SQUARE. AVOID RECTANGULAR AND IRREGULARLY SHAPED PANELS. DO NOT EXCEED 1.25 LENGTH

- TO WIDTH RATIO. AVOID ACUTE JOINT ANGLES.
- ALL CONTRACTION AND ISOLATION JOINTS THAT ARE EXPECTED TO INCUR VEHICULAR TRAFFIC LOADING SHALL HAVE THICKENED EDGES.
 - CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: PONDED WATER, PIGMENTED WATER-BASED CURING COMPOUND, SATURATED BURLAP.
 - ALL ISOLATION TYPE JOINTS SHALL USE A SONNEBORN/SONNOLASTIC EXPANSION JOINT FILLER AND SEALANT OR EQUIVALENT. PREFORMED NEOPRENE RUBBER COMPRESSION SEALS MAY ALSO BE USED.
 - CONTRACTOR SHALL SUBMIT CONCRETE JOINTING PLAN TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - VEHICULAR TRAFFIC SHALL NOT BE ALLOWED ON CONCRETE PAVEMENTS UNTIL A MINIMUM TESTED COMPRESSIVE STRENGTH OF 3000 PSI HAS BEEN ACHIEVED UNLESS OWNER REQUIREMENTS DIFFER.
- PROJECT CLOSEOUT:
- CLEANING UP:
 - DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.
 - THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY ENGINEER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY ITS WORK, EQUIPMENT, EMPLOYEES, OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO OR BETTER THAN THE EXISTING CONDITION IMMEDIATELY PRIOR TO CONSTRUCTION. TO THIS END, THE CONTRACTOR SHALL DO ALL NECESSARY SITE WORK IN A NEAT AND CAREFUL MANNER WHEN TING INTO EXISTING/ADJACENT AREAS. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR ALL RESTORATION ACTIVITIES.
 - WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
 - PROJECT RECORD DOCUMENTS:
 - THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF THE WORK PERFORMED.
 - ALL REQUIRED DENSITY AND MATERIAL TEST RESULTS FOR SUB-GRADE AND BASE MATERIAL SHALL BE PROVIDED TO THE ENGINEER BEFORE PLACEMENT OF THE NEXT LAYER OF STABILIZATION/PAVEMENT.
 - ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR, AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS ACTUALLY CONSTRUCTED.
 - UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS. FINAL AS-BUILTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER IN THE STATE OF THE PROJECT AREA.
 - ALL AS-BUILT INFORMATION ON ELEVATIONS OF WATER, SEWER, DRAINAGE, AND PAVING SHALL BE CERTIFIED BY A PROFESSIONAL SURVEYOR AND MAPPER IN THE STATE OF THE PROJECT AREA.
 - AS-BUILT INFORMATION SHALL DUPLICATE OR IMPROVE UPON THE LEVEL OF DETAIL SHOWN IN THE PLANS.

- STORMWATER DRAINAGE:
- CONTRACTOR SHALL INSPECT AND CLEAN ALL EXISTING STRUCTURES AND PIPES WITHIN THE PROJECT LIMITS. IF EXISTING STRUCTURES AND PIPES ARE DAMAGED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONNECTION WITH THE NEW PIPE OR STRUCTURE. CONTRACTOR TO ENSURE ALL STORM WATER PIPING AND STRUCTURES ARE CLEANED PRIOR TO PROJECT CLOSEOUT.
 - PROTECT COMPLETED DRAINAGE STRUCTURES FROM CONTAMINATION BY SILT AND CONSTRUCTION DEBRIS. PLACE FILTER FABRIC BETWEEN THE FRAME AND INLET GRATE UNTIL SITE CONSTRUCTION OPERATIONS ARE FINISHED.

EXISTING LEGEND

- -- -- -- -- PROPERTY BOUNDARY
- EASEMENT
- ROAD CENTERLINE
- -- -- -- -- EX. CM EXISTING UNDERGROUND COMMUNICATIONS
- -- -- -- -- EX. GAS EXISTING GAS LINE
- -- -- -- -- EX. WM EXISTING WATER MAIN
- -- -- -- -- EX. W EXISTING WATER SERVICE
- -- -- -- -- EX. SS EXISTING SANITARY SYSTEM
- -- -- -- -- EX. DR EXISTING DRAINAGE
- -- -- -- -- EX. OE EXISTING OVERHEAD UTILITY LINE
- -- -- -- -- EX. BE EXISTING BURIED ELECTRIC LINE
- -- -- -- -- EXISTING UNKNOWN UNDERGROUND UTILITY
- -- -- -- -- EXISTING FENCE
- -- -- -- -- EXISTING GRAVEL
- -- -- -- -- EXISTING CONCRETE
- -- -- -- -- EXISTING ASPHALT
- -- -- -- -- WATER MANHOLE
- -- -- -- -- SANITARY SEWER MANHOLE
- -- -- -- -- CLEANOUT
- -- -- -- -- DOWNSPOUT
- -- -- -- -- INLET
- -- -- -- -- GAS METER
- -- -- -- -- AIR CONDITIONING UNIT
- -- -- -- -- UTILITY POLE
- -- -- -- -- GUY ANCHOR
- -- -- -- -- POST
- -- -- -- -- DETECTABLE WARNING PLATE
- -- -- -- -- MISCELLANEOUS STRUCTURE
- -- -- -- -- CONTOUR ELEVATION
- -- -- -- -- CONIFEROUS TREE
- -- -- -- -- BUSH
- -- -- -- -- DECIDUOUS TREE

PROJECT NAME:	
NEW HAVEN CDO - GENERATOR DESIGN	
DET-24002045-A4	
CONSULTANT STAMP	

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REVISIONS / AUTHORIZATIONS			
NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

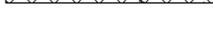
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DRAWINGS PREPARED FOR	
	CORPORATE REAL ESTATE
PROJECT DRAWING	
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59041 MAIN ST NEW HAVEN MICHIGAN US	
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SHEET TITLE:	
GENERAL NOTES CIVIL	
AT&T PROJECT NUMBER: 2001269	DATE: 5/15/25
AT&T AUTHORIZATION:	DRAWN BY: REE SHEET: 1 OF: 4 SHEETS
AT&T PM: AIMEE BUTLER	CHECKED BY: NSK SHEET NO.
AT&T DRAWING NO.: 2001269C10000	
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KEY NOTES - DEMOLITION

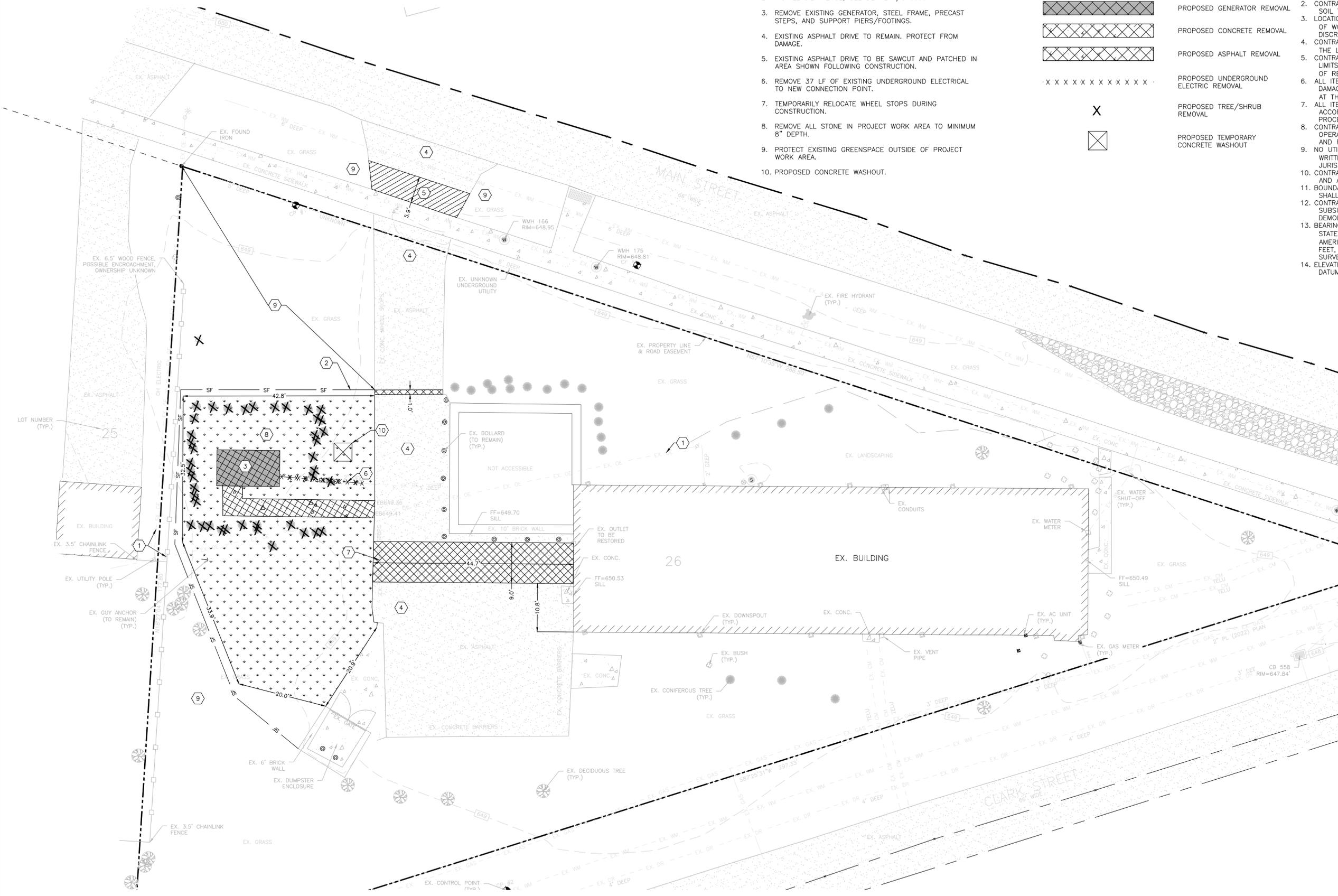
- EXISTING OVERHEAD ELECTRICAL LINES TO BE PROTECTED.
- INSTALL SILT FENCE, SEE DETAIL 1/C40000.
- REMOVE EXISTING GENERATOR, STEEL FRAME, PRECAST STEPS, AND SUPPORT PIERS/FOOTINGS.
- EXISTING ASPHALT DRIVE TO REMAIN. PROTECT FROM DAMAGE.
- EXISTING ASPHALT DRIVE TO BE SAWCUT AND PATCHED IN AREA SHOWN FOLLOWING CONSTRUCTION.
- REMOVE 37 LF OF EXISTING UNDERGROUND ELECTRICAL TO NEW CONNECTION POINT.
- TEMPORARILY RELOCATE WHEEL STOPS DURING CONSTRUCTION.
- REMOVE ALL STONE IN PROJECT WORK AREA TO MINIMUM 8" DEPTH.
- PROTECT EXISTING GREENSPACE OUTSIDE OF PROJECT WORK AREA.
- PROPOSED CONCRETE WASHOUT.

EXISTING LEGEND

-  PROPOSED CLEARING/GRUBBING
-  PROPOSED GENERATOR REMOVAL
-  PROPOSED CONCRETE REMOVAL
-  PROPOSED ASPHALT REMOVAL
-  PROPOSED UNDERGROUND ELECTRIC REMOVAL
-  PROPOSED TREE/SHRUB REMOVAL
-  PROPOSED TEMPORARY CONCRETE WASHOUT

GENERAL NOTES

- CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS AND EXCAVATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTOR SHALL REPAIR AND REPLANT ANY EXISTING GRASS OR SOIL THAT IS DISTURBED BY CONSTRUCTION ACTIVITY.
- LOCATIONS OF ALL UTILITY LINES TO BE FIELD VERIFIED WITHIN AREA OF WORK. CONTRACTOR TO NOTIFY OWNER/ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR SHALL CONDUCT DEMOLITION AND SITE CLEARING WITHIN THE LIMITS DESIGNATED ON THE PLANS/DRAWINGS.
- CONTRACTOR SHALL NOT DEMOLISH ANY ITEM OUTSIDE OF THE LIMITS DESIGNATED UNLESS OTHERWISE AUTHORIZED BY ENGINEER OF RECORD (EOR), APPLICABLE JURISDICTIONS OR OWNER.
- ALL ITEMS DESIGNATED TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE OR LOSS. ANY DAMAGES INCURRED SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
- ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE REMOVED IN ACCORDANCE WITH PREVAILING JURISDICTIONAL REQUIREMENTS AND PROCEDURES.
- CONTRACTOR SHALL SCHEDULE AND MAINTAIN DEMOLITION OPERATIONS TO MINIMIZE INCONVENIENCE TO ADJACENT PROPERTIES AND ROADWAY USE.
- NO UTILITIES SHALL BE DEMOLISHED, REMOVED OR ALTERED WITHOUT WRITTEN APPROVAL OF UTILITY OWNER, AGENCY/AGENCIES OR JURISDICTIONS.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY JURISDICTIONAL PERMITS AND APPROVALS PRIOR TO CONSTRUCTION BEGINNING.
- BOUNDARIES OF ASPHALT, CONCRETE AND CURBING DEMOLITION SHALL BE SAW CUT IN A STRAIGHT LINE.
- CONTRACTOR SHALL COORDINATE & SEQUENCE THE DEMOLITION OF SUBSURFACE UTILITIES AND INFRASTRUCTURE WITH ABOVE GROUND DEMOLITION TO ENSURE NO ADVERSE IMPACTS TO CONSTRUCTION.
- BEARINGS DESCRIBED HEREON ARE REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), INTERNATIONAL FEET, GEOID18, AS ESTABLISHED BY THE SURVEY FROM MUXLOW SURVEYING.
- ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.



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NEW HAVEN CDO - GENERATOR DESIGN

DET-24002045-A4

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REVISIONS / AUTHORIZATIONS

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DRAWINGS PREPARED FOR

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 NWHNMIMM 2001272 M18255

SHEET TITLE:
EX. CONDITIONS AND DEMO PLAN CIVIL

AT&T PROJECT NUMBER: 2001269	DATE: 5/15/25	SCALE: AS SHOWN
AT&T AUTHORIZATION:	DRAWN BY: REE	CHECKED BY: NSK
AT&T PM: AIMEE BUTLER	SHEET: 2 OF: 4 SHEETS	SHEET NO.
AT&T DRAWING NO.: 2001269C10101D	C10101D	

1 EXISTING CONDITIONS AND DEMOLITION PLAN
 SCALE: 1" = 10'

north

PROPOSED WORK LEGEND

-  PROPOSED ASPHALT
-  PROPOSED CONCRETE GENERATOR/UTILITY PAD
-  PROPOSED ASPHALT RESTORATION
-  PROPOSED CONCRETE SIDEWALK
-  PROPOSED GREENSPACE RESTORATION (MATCH EXISTING)
-  PROPOSED NEW UNDERGROUND ELECTRICAL CONNECTION
-  PROPOSED TEMPORARY CONTRACTOR STAGING AREA
-  PROPOSED FLOW ARROW

ABBREVIATIONS:

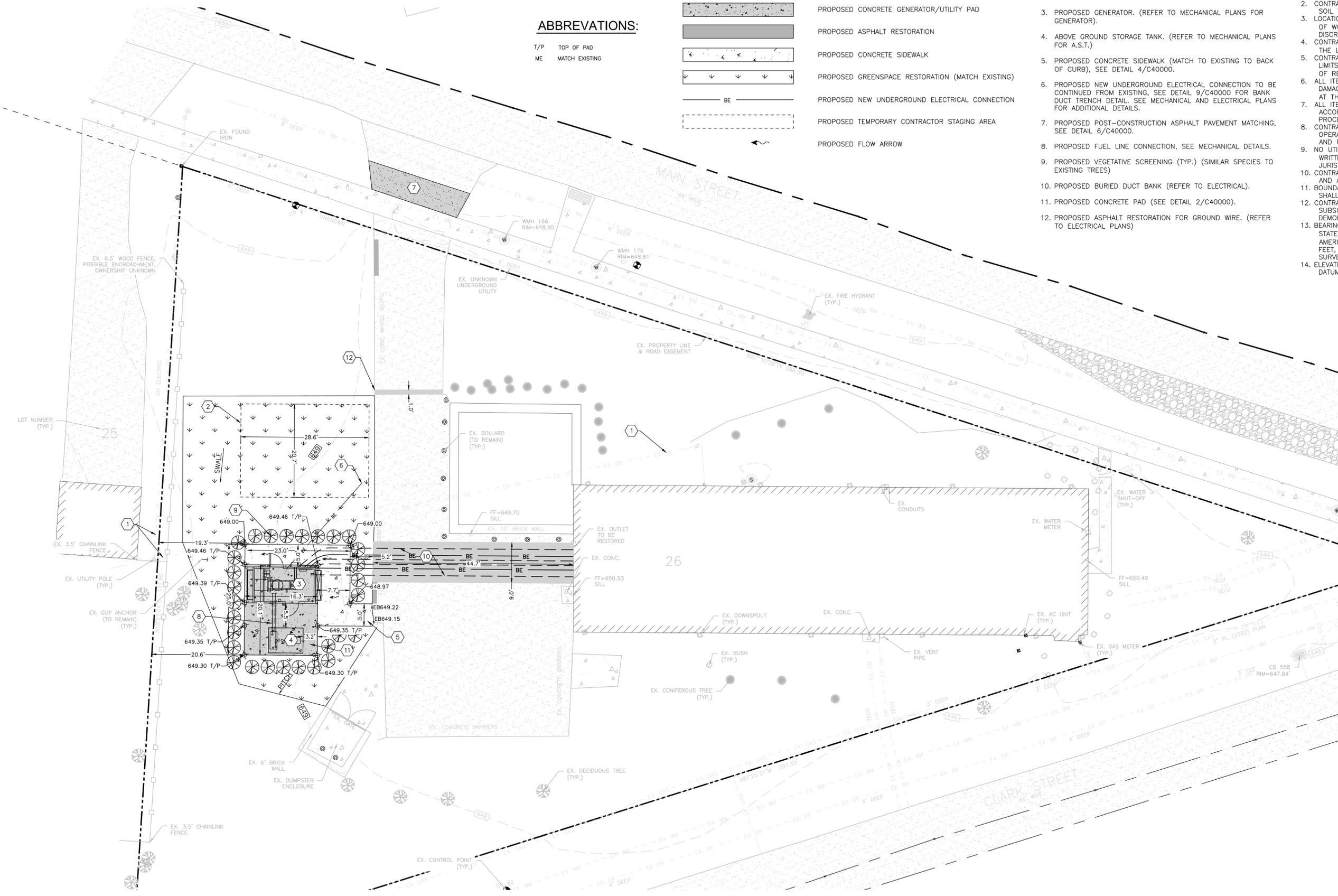
- T/P TOP OF PAD
- ME MATCH EXISTING

KEY NOTES - NEW WORK

1. EXISTING OVERHEAD ELECTRICAL LINES TO BE PROTECTED.
2. CONTRACTOR STAGING AREA.
3. PROPOSED GENERATOR. (REFER TO MECHANICAL PLANS FOR GENERATOR).
4. ABOVE GROUND STORAGE TANK. (REFER TO MECHANICAL PLANS FOR A.S.T.)
5. PROPOSED CONCRETE SIDEWALK (MATCH TO EXISTING TO BACK OF CURB), SEE DETAIL 4/C40000.
6. PROPOSED NEW UNDERGROUND ELECTRICAL CONNECTION TO BE CONTINUED FROM EXISTING. SEE DETAIL 9/C40000 FOR BANK DUCT TRENCH DETAIL. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL DETAILS.
7. PROPOSED POST-CONSTRUCTION ASPHALT PAVEMENT MATCHING. SEE DETAIL 6/C40000.
8. PROPOSED FUEL LINE CONNECTION, SEE MECHANICAL DETAILS.
9. PROPOSED VEGETATIVE SCREENING (TYP.) (SIMILAR SPECIES TO EXISTING TREES)
10. PROPOSED BURIED DUCT BANK (REFER TO ELECTRICAL).
11. PROPOSED CONCRETE PAD (SEE DETAIL 2/C40000).
12. PROPOSED ASPHALT RESTORATION FOR GROUND WIRE. (REFER TO ELECTRICAL PLANS)

GENERAL NOTES

1. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS AND EXCAVATIONS BEFORE CONSTRUCTION BEGINS.
2. CONTRACTOR SHALL REPAIR AND REPLANT ANY EXISTING GRASS OR SOIL THAT IS DISTURBED BY CONSTRUCTION ACTIVITY.
3. LOCATIONS OF ALL UTILITY LINES TO BE FIELD VERIFIED WITHIN AREA OF WORK. CONTRACTOR TO NOTIFY OWNER/ENGINEER OF ANY DISCREPANCIES.
4. CONTRACTOR SHALL CONDUCT DEMOLITION AND SITE CLEARING WITHIN THE LIMITS DESIGNATED ON THE PLANS/DRAWINGS.
5. CONTRACTOR SHALL NOT DEMOLISH ANY ITEM OUTSIDE OF THE LIMITS DESIGNATED UNLESS OTHERWISE AUTHORIZED BY ENGINEER OF RECORD (EOR). APPLICABLE JURISDICTIONS OR OWNER.
6. ALL ITEMS DESIGNATED TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE OR LOSS. ANY DAMAGES INCURRED SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
7. ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE REMOVED IN ACCORDANCE WITH PREVAILING JURISDICTIONAL REQUIREMENTS AND PROCEDURES.
8. CONTRACTOR SHALL SCHEDULE AND MAINTAIN DEMOLITION OPERATIONS TO MINIMIZE INCONVENIENCE TO ADJACENT PROPERTIES AND ROADWAY USE.
9. NO UTILITIES SHALL BE DEMOLISHED, REMOVED OR ALTERED WITHOUT WRITTEN APPROVAL OF UTILITY OWNER, AGENCY/AGENCIES OR JURISDICTIONS.
10. CONTRACTOR SHALL OBTAIN ALL NECESSARY JURISDICTIONAL PERMITS AND APPROVALS PRIOR TO CONSTRUCTION BEGINNING.
11. BOUNDARIES OF ASPHALT, CONCRETE AND CURBING DEMOLITION SHALL BE SAW CUT IN A STRAIGHT LINE.
12. CONTRACTOR SHALL COORDINATE & SEQUENCE THE DEMOLITION OF SUBSURFACE UTILITIES AND INFRASTRUCTURE WITH ABOVE GROUND DEMOLITION TO ENSURE NO ADVERSE IMPACTS TO CONSTRUCTION.
13. BEARINGS DESCRIBED HEREON ARE REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), INTERNATIONAL FEET, GEOID18, AS ESTABLISHED BY THE SURVEY FROM MUXLOW SURVEYING.
14. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.



PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN

DET-24002045-A4

CONSULTANT STAMP

exp U.S. Services Inc.
E-1,248,351,8200 | F-1,248,351,8250
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REVISIONS / AUTHORIZATIONS

NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

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DRAWINGS PREPARED FOR

AT&T CORPORATE REAL ESTATE

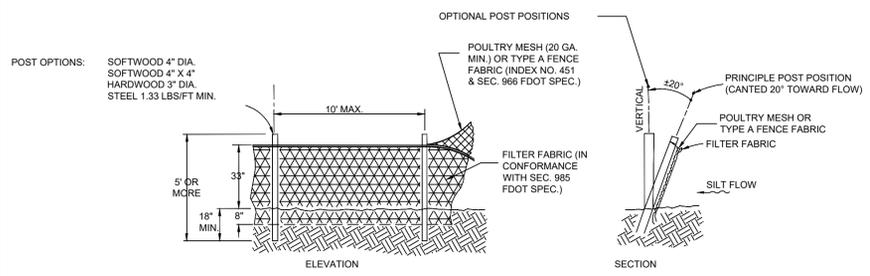
PROJECT_DRAWING
01
59041 MAIN ST
NEW HAVEN
MICHIGAN US
NWHNMIMN 2001272 M18255

1 NEW WORK PLAN
SCALE: 1" = 10'

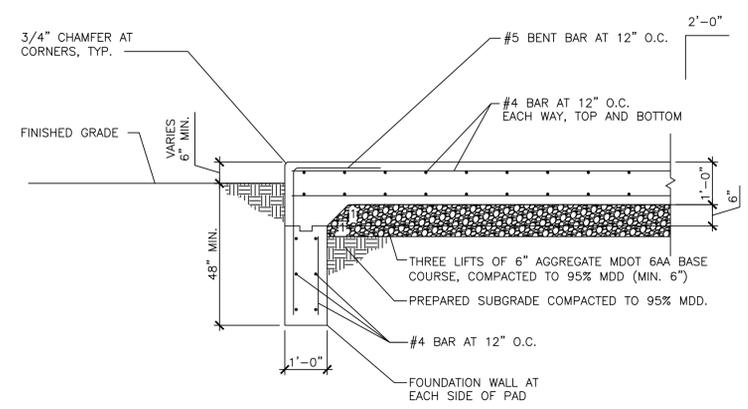
north

SHEET TITLE:
NEW WORK PLAN CIVIL

AT&T PROJECT NUMBER: 2001269	DATE: 5/15/2025	SCALE: AS SHOWN
AT&T AUTHORIZATION:	DRAWN BY: REE	CHECKED BY: NSK
AT&T PM: AIMEE BUTLER	SHEET: 3 OF 4 SHEETS	SHEET NO. C20000

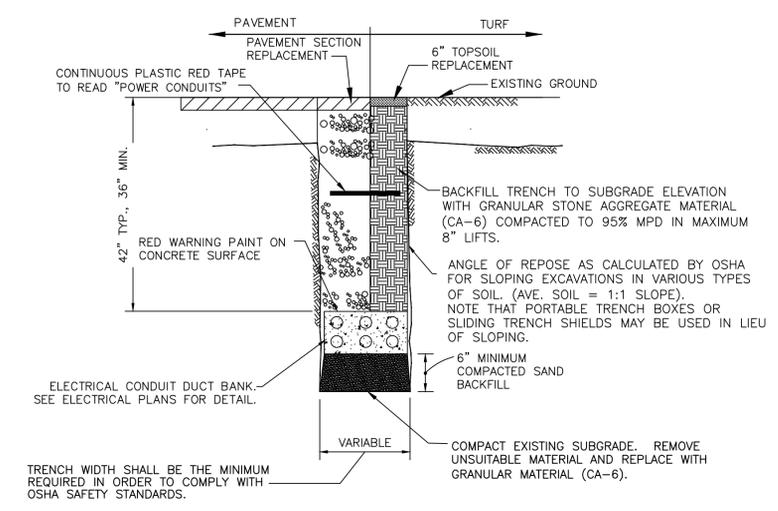


1 SILT FENCE
N.T.S.

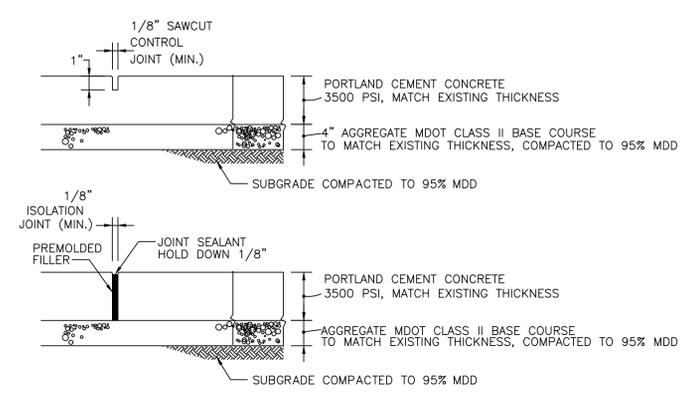


2 GENERATOR PAD DETAIL
1/2" = 1'-0"

- NOTES:
- COORDINATE OVERALL PAD DIMENSIONS WITH FINAL APPROVED GENERATOR SUBMITTAL PRIOR TO CONSTRUCTION. PROVIDE MINIMUM 6" FROM EACH EDGE OF PAD TO NEAREST FACE OF FUEL TANK OR ACCESS PLATFORM BEARING ON THE PAD.
 - REFER TO CIVIL SITE PLANS FOR PAD LOCATION, ORIENTATION, AND ELEVATION.
 - ANCHOR GENERATOR TO CONCRETE PAD IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5,000 PSI.
 - REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.



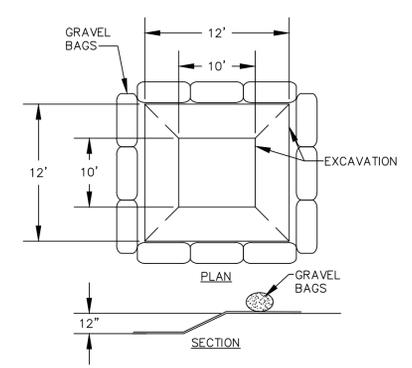
3 DUCT BANK TRENCH
N.T.S.



SIDEWALK NOTES:

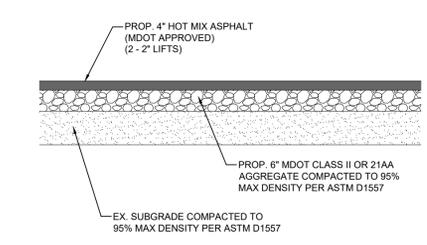
- WIDTH PER PLAN.
- MAXIMUM TRAVEL SLOPE SHALL NOT EXCEED 5% (20:1).
- MAXIMUM CROSS SLOPE & AT LANDINGS SHALL BE 2% (50:1).
- AGGREGATE BASE COURSE SHALL BE MECHANICALLY COMPACTED.
- SIDEWALK SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.
- SIDEWALK SHALL HAVE A BROOM FINISH.
- UNLESS OTHERWISE NOTED, CONTROL JOINTS TO BE 5' O.C.
- UNLESS OTHERWISE NOTED, ISOLATION JOINTS TO BE 50' O.C., ABUTTING CURB, OTHER WALKS OR STRUCTURES, AND CHANGES OF DIRECTION.

4 CONCRETE SIDEWALK
N.T.S.

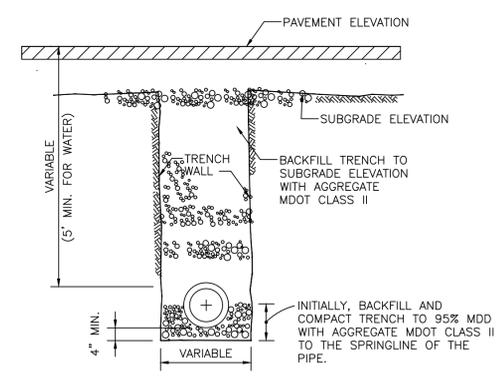


- GENERAL NOTES:**
- SECURE POLYETHYLENE LINING WITH UV-STABILIZED GEOTEXTILE FABRIC SANDBAGS.
 - POLYETHYLENE LINING SHALL BE 10MM MIN. AND FREE OF HOLES, TEARS, OR OTHER DEFECTS. THE SHEET SHALL BE APPROPRIATELY SIZED TO FIT THE ENTIRE WASHOUT SYSTEM WITHOUT SEAMS OR OVERLAPS. REPLACE LINER AS NECESSARY.
 - EXCAVATION SHALL BE A 8'x8' MIN. AND SIZED TO CONTAIN ALL LIQUID AND WASTE EXPECTED TO BE GENERATED.

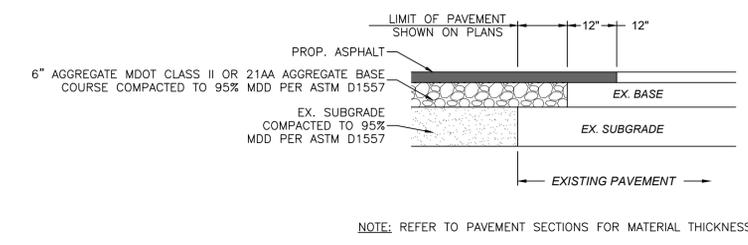
5 CONCRETE WASHOUT
N.T.S.



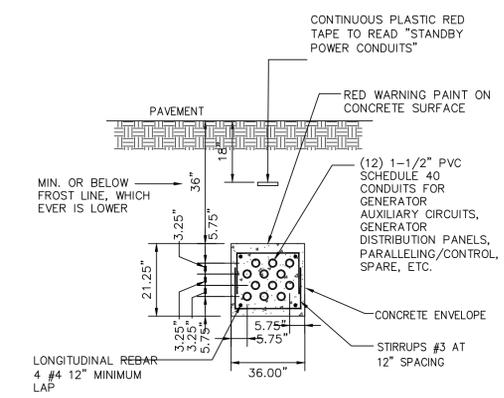
7 ASPHALT PAVEMENT SECTION
N.T.S.



9 PIPE TRENCH DETAIL
N.T.S.



6 ASPHALT PAVEMENT MATCHING
N.T.S.



10 GENERATOR CONTROLS DUCT BANK
NOT TO SCALE

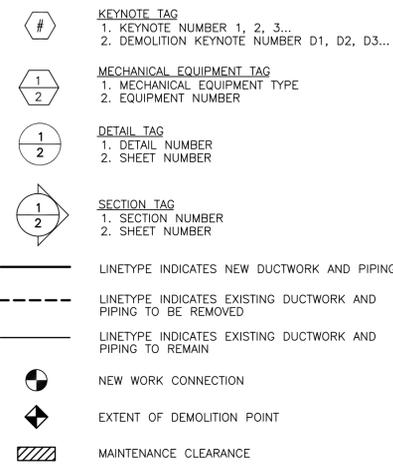
PROJECT NAME:		
NEW HAVEN CDO - GENERATOR DESIGN		
DET-24002045-A4		CONSULTANT STAMP
<p>exp U.S. Services Inc. P: +1.248.351.8200 F: +1.248.351.8250 27777 Franklin Road Suite 1510 Southfield, MI 48034 U.S.A. www.exp.com</p>		
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REVISIONS / AUTHORIZATIONS		
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DRAWINGS PREPARED FOR		
		CORPORATE REAL ESTATE
PROJECT DRAWING		
01		
59041 MAIN ST		
NEW HAVEN		
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NWHNMIMN	2001272	M18255
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2001269	DRAWN BY: REE	CHECKED BY: NSK
AT&T AUTHORIZATION:	SHEET: 4 OF: 4 SHEETS	CHECKED BY: NSK
AT&T PM: AIMEE BUTLER	AT&T DRAWING NO.:	SHEET NO.
	2001269C40000	C40000

MECHANICAL ABBREVIATIONS

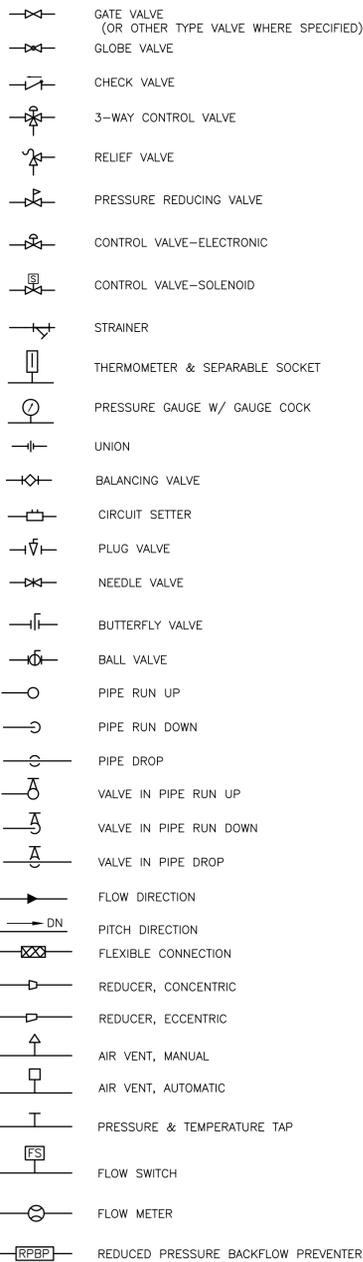
Table of mechanical abbreviations including ACC (AIR-COOLED CONDENSER), ACWC (AIR-COOLED CONDENSING UNIT), AFF (ABOVE FINISHED FLOOR), AHU (AIR HANDLING UNIT), APD (AIR PRESSURE DROP), AS (AIR SEPARATOR), AUTO (AUTOMATIC), BDD (BACK DRAFT DAMPER), BOD (BOTTOM OF DUCT), BOP (BOTTOM OF PIPE), BTU (BRITISH THERMAL UNITS), BTUH (BRITISH THERMAL UNITS PER HOUR), CAP (CAPACITY), CFM (CUBIC FEET PER MINUTE), CH (CHILLER), CHWP (CHILLED WATER PUMP), CHWS (CHILLED WATER SUPPLY), CHWR (CHILLED WATER RETURN), CO (CLEAN OUT), COL (COLUMN), CRAC (COMPUTER ROOM AIR CONDITIONER), CS (CIRCUIT SETTER), CT (COOLING TOWER), CTG (CEILING TRANSFER GRILLE), CUH (CABINET UNIT HEATER), CV (CONSTANT VOLUME), CW (COLD WATER), CWP (CONDENSER WATER PUMP), CWR (CONDENSER WATER RETURN), CWS (CONDENSER WATER SUPPLY), DB (DRY BULB), DC (DRY COOLER), DD (DUCT DETECTOR), DIA (DIAMETER), DISC (DISCONNECT), DX (DIRECT EXPANSION), EA (EACH), EAT (ENTER AIR TEMPERATURE), EF (EXHAUST FAN), ESP (EXTERNAL STATIC PRESSURE), ET (EXPANSION TANK), EBH (ELECTRIC BASEBOARD HEATER), ECUH (ELECTRIC CABINET UNIT HEATER), EUH (ELECTRIC UNIT HEATER), EWT (ENTERING WATER TEMPERATURE), EXH (EXHAUST), EXIST (EXISTING), EXP (EXPANSION), FA (FIRE ALARM), FCO (FLOOR CLEAN OUT), FCU (FAN COIL UNIT), FD (FIRE DAMPER), FE (FIRE EXTINGUISHER), FLA (FULL LOAD AMPS), F.O.R. (FUEL OIL RETURN), F.O.S. (FUEL OIL SUPPLY), FPM (FEET PER MINUTE), FPS (FEET PER SECOND), FS (FLOW SWITCH), FST (FREEZE STAT), FT (FEET), GA (GAUGE), GC (GENERAL CONTRACTOR), GPH (GALLON PER HOUR), GPM (GALLON PER MINUTE), G.V. (GENERATOR VENDOR), HD (HEAD), HWR (DOMESTIC HOT WATER RETURN), HWS (DOMESTIC HOT WATER SUPPLY), HHWR (HEATING HOT WATER RETURN), HHWS (HEATING HOT WATER SUPPLY), HT (HEIGHT), HVAC (HEATING VENTILATION & AIR CONDITION), HZ (HERTZ), IAW (IN ACCORDANCE WITH), ID (INSIDE DIAMETER), IN (INCHES), KW (KILOWATTS), LAT (LEAVING AIR TEMPERATURE), LBS (POUNDS), LF (LINEAR FEET), LVR (LOUVER), LWT (LEAVING WATER TEMPERATURE), MA (MIXED AIR TEMPERATURE), MAX (MAXIMUM), MBH (BRITISH THERMAL UNITS (THOUSANDS)), MBMS (MECHANIZED BUILDING MANAGEMENT SYSTEM), MCA (MECHANICAL CONTRACTOR), M.C. (MINIMUM CIRCUIT AMPACITY), MCC (MOTOR CONTROL CENTER), MD (MOTORIZED DAMPER), N/A (NOT APPLICABLE), NC (NORMALLY CLOSED, NOISE CRITERIA), NIC (NOT IN CONTRACT), OA (OUTSIDE AIR), OBD (OPPOSED BLADE DAMPER), PBD (PARALLEL BLADE DAMPER), PC (PUMPED CONDENSATE), PD (PRESSURE DROP), PH (PHASE), PRESS (PRESSURE), PRV (PRESSURE REDUCING VALVE), PSI (POUND PER SQUARE INCH), PSIG (POUND PER SQUARE INCH GAUGE), RA (RETURN AIR), RM (REFRIGERATION MACHINE), REG (REGISTER), RET (RETURN), RH (RELATIVE HUMIDITY), RPM (REVOLUTIONS PER MINUTE), RTU (ROOF TOP UNIT), SA (SUPPLY AIR), SD (SMOKE DETECTOR, STORM DRAIN), SF (SQUARE FEET), SP (STATIC PRESSURE, SUMP PUMP), STD (STANDARD), SYS (SYSTEM), T (THERMOSTAT), TCC (TEMPERATURE CONTROL CONTRACTOR), TOV (TRIPLE DUTY VALVE), THK (THICK), TR (TRANSFER), TSP (TOTAL STATIC PRESSURE), TYP (TYPICAL), UH (UNIT HEATER), V (VENT, VOLTS), VAV (VARIABLE AIR VOLUME), VD (MANUAL VOLUME DAMPER), VEL (VELOCITY), VLV (VALVE), VIF/V.I.F (VERIFY IN FIELD), W/ (WITH), W/O (WITHOUT), WB (WET BULB), WC (WATER COLUMN), (E) (EXISTING), (N) (NEW), NW (NEW WORK), (T) (TEMPORARY)

MECHANICAL SYMBOLS

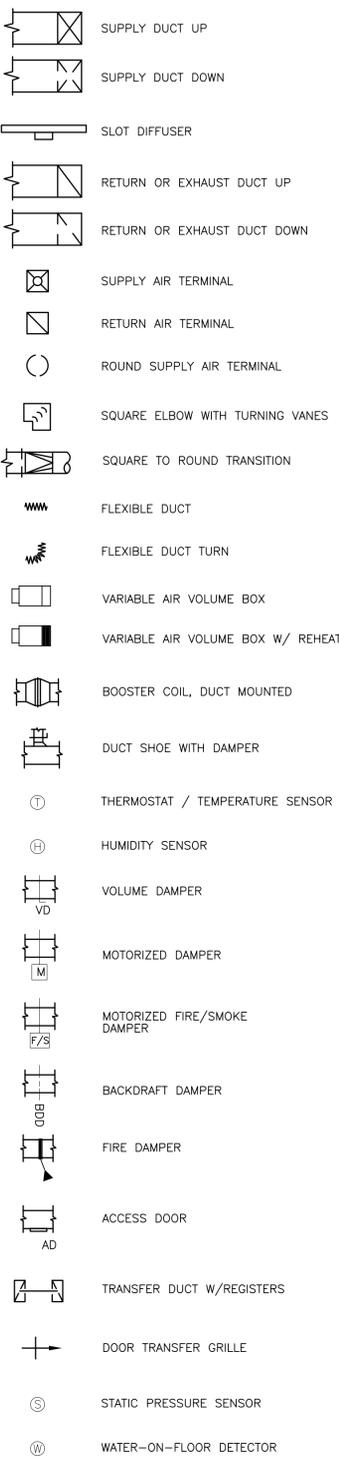
GENERAL MECHANICAL SYMBOLS



HVAC PIPING SYMBOLS



VENTILATION SYMBOLS



PUMP SYMBOLS



MECHANICAL GENERAL NOTES

- 1. THE SCOPE OF THIS WORK CONSISTS OF FURNISHING AND INSTALLING COMPLETE MECHANICAL SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEM. IT IS THE INTENT OF THESE PLANS AND DOCUMENTS TO PROVIDE COMPLETELY FINISHED, TESTED, AND OPERATIONAL SYSTEMS. ALL APPARATUS, APPLIANCES, MATERIALS, AND INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. THE TERM "PROVIDE," WHERE USED IN THESE SPECIFICATIONS AND ON THE DRAWINGS, SHALL BE DEFINED AS PURCHASE, FABRICATE, INSTALL AND CONNECT TO THE SYSTEMS AS STATED ABOVE.
2. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED AS REQUIRED. ALL EQUIPMENT SHALL BE NEW AND U.L. LISTED.
3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND PAY ALL FEES NECESSARY FOR THE EXECUTION AND COMPLETION OF THIS WORK.
4. THE CONTRACTOR SHALL PROVIDE ACCESS DOORS FOR ALL MECHANICAL EQUIPMENT WHICH IS INSTALLED IN INACCESSIBLE LOCATIONS. BUILDING COMPONENTS REQUIRING ACCESS DOORS SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL NON LAY-IN TYPE CEILINGS, CONCEALED SPLINE CEILINGS, CHASES, CRAWL SPACES, ATTICS, FLOORS, AND WALLS. ACCESS DOORS SHALL BE MINIMUM 24" X 24" FOR HAND ACCESS AND LARGER IF HUMAN ACCESS IS REQUIRED. COORDINATE THE INSTALLATION OF THE MECHANICAL, PLUMBING, AND FIRE PROTECTION SYSTEM WITH THE ARCHITECTURAL PLANS. PROVIDE THE GENERAL CONTRACTOR A SCHEDULE OF THE QUANTITY AND SIZE FOR ALL ACCESS DOORS REQUIRED FOR THIS PROJECT.
5. THE CONTRACTOR SHALL COOPERATE WITH OTHERS DOING WORK ON THE BUILDING AS MAY BE NECESSARY FOR THE PROPER EXECUTION OF THE WORK OF THE VARIOUS TRADES EMPLOYED IN THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR SHALL OBTAIN A COMPLETE AND CURRENT SET OF PLANS AND SPECIFICATIONS FOR THIS PROJECT. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, STRUCTURAL, CIVIL AND ELECTRICAL DRAWINGS TO THE END THAT UNNECESSARY DELAYS MAY BE AVOIDED. NO EXTRAS WILL BE ALLOWED BECAUSE OF CONFLICTS CAUSED BY THE USE OF INCOMPLETE OR OUTDATED PLANS AND SPECIFICATIONS.
6. THE DATA GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS CAN BE SECURED, BUT THE ABSOLUTE ACCURACY IS NOT GUARANTEED. THE SPECIFICATIONS AND DRAWINGS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATION, DISTANCES, AND LEVELS WILL BE GOVERNED BY THE BUILDINGS. THE CONTRACTOR SHALL USE THE DATA CONTAINED WITH THIS UNDERSTANDING. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER CONTRACTOR WILL PERMIT. ALL DEVIATIONS FROM DRAWINGS REQUIRED TO MAKE THE MECHANICAL, PLUMBING, AND FIRE PROTECTION WORK CONFORM TO THE BUILDING AS CONSTRUCTED AND TO THE WORK OF OTHERS SHALL BE MADE BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDINGS AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF DIFFERENCES BETWEEN WORK SHOWN ON THE DRAWINGS AND MEASUREMENTS AT THE BUILDING.
8. ALL WORK AND MATERIALS COVERED BY THE SPECIFICATIONS SHALL BE SUBJECT TO INSPECTION AND, AT ALL TIMES, BY REPRESENTATIVES OF THE ARCHITECT, ENGINEER, OR THE OWNER. IF THE ARCHITECT'S, ENGINEER'S, OR OWNER'S INSPECTOR FIND THAT ANY MATERIAL DOES NOT CONFORM TO THESE SPECIFICATIONS, THE CONTRACTOR SHALL, WITHIN 3 DAYS AFTER BEING NOTIFIED BY THE ARCHITECT, ENGINEER, OR OWNER, REMOVE THE MATERIAL FROM THE PREMISES. IF SAID MATERIAL HAS BEEN INSTALLED, THE ENTIRE EXPENSE OF REMOVING AND REPLACING SAME, INCLUDING ALL CUTTING AND PATCHING THAT MAY BE NECESSARY, SHALL BE BORNE BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL REMOVE ALL MATERIALS NOT INSTALLED IN HIS WORK WHICH WOULD INTERFERE WITH THE WORK OF OTHER CONTRACTOR, IF SO DIRECTED BY THE ARCHITECT, ENGINEER, OR THE OWNER. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE PREMISES ALL DEBRIS AND MATERIALS NOT INSTALLED SO THAT THE PREMISES WILL BE LEFT CLEAN.
10. UPON COMPLETION OF THE WORK AND ADJUSTMENT OF ALL EQUIPMENT, ALL SYSTEMS SHALL BE TESTED IN THE PRESENCE OF THE ARCHITECT AND ENGINEER TO DEMONSTRATE THAT ALL EQUIPMENT FURNISHED AND INSTALLED UNDER THE PROVISIONS OF THESE SPECIFICATIONS FUNCTIONS IN THE MANNER REQUIRED.
11. THE CONTRACTOR SHALL PROVIDE ENGRAVED PLASTIC NAMEPLATES FOR ALL MECHANICAL EQUIPMENT FOR THIS PROJECT. PROVIDE FLOW DIRECTION ARROWS AND SYSTEM IDENTIFIERS EVERY 25 FEET FOR ALL MECHANICAL, PLUMBING, AND FIRE PROTECTION PIPING SYSTEMS.
12. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 8 MANHOURS OF OWNER TRAINING BY THE MANUFACTURER'S REPRESENTATIVES FOR THE MECHANICAL SYSTEM(S) FOR THIS PROJECT. THIS WORK SHALL BE INCLUDED IN THE BASE BID AND SCHEDULED WITH THE OWNER'S REPRESENTATIVE AFTER SUBMISSION OF THE O/M MANUALS. THE CONTRACTOR SHALL REQUIRE THE MANUFACTURER'S REPRESENTATIVES TO CONDUCT THE OWNER TRAINING SESSION(S).
13. THE WORD "PROVIDE" MEANS TO FURNISH AND INSTALL.
14. THE CONTRACTOR SHALL DEMOLISH, DISASSEMBLE, AND REMOVE FROM THE PREMISES ALL EXISTING EQUIPMENT AND MATERIAL AS INDICATED THAT IS NOT BEING REUSED AND BECOMING PROPERTY OF THE OWNER. THE CONTRACTOR SHALL LEGALLY DISPOSE OF SUCH EQUIPMENT AND MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
15. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE EXISTING CONDITIONS OF THE PREMISES. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING SYSTEMS AND WITH THE NEW WORK THAT IS REQUIRED. NO CONSIDERATION WILL BE GRANTED FOR ALLEGED MISUNDERSTANDING OF THE WORK THAT IS TO BE DONE. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS OR SPECIFICATIONS, OR QUESTIONS OF CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE BIDDING.
16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, WITH THE SUBMISSION OF THEIR BID, OF ALL MATERIALS AND APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, AND RULES, AND OF ANY NECESSARY ITEMS OF WORK OMITTED. IN THE ABSENCE OF SUCH WRITTEN NOTICE, IT IS MUTUALLY AGREED THAT THE CONTRACTOR HAVE INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS PROPOSAL, AND THAT HE SHALL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.
17. PROVIDE ALL PENETRATIONS TO THE BUILDINGS AS REQUIRED FOR THE INSTALLATION OF ALL MECHANICAL EQUIPMENT AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL PENETRATIONS TO THE EXTERIOR OF THE BUILDING AS A RESULT OF THE WORK. PROVIDE TEMPORARY AND/OR PERMANENT CLOSURE OF BUILDING OPENINGS AS A RESULT OF DEMOLITION WORK. PROVIDE SLEEVES AND INSERTS AS REQUIRED. ADHERE TO ALL APPLICABLE PORTIONS OF THE ARCHITECTURAL SPECIFICATIONS FOR ROOF, WALL AND FLOOR PENETRATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE ROOFING CONTRACTOR AND OTHER TRADES AS REQUIRED.
18. WHERE THE DRAWINGS INDICATE CONNECTIONS AND COORDINATION WITH EXISTING UTILITIES, ABOVE AND BELOW THE FLOOR OR GRADE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATION, TYPE, SIZE, INVERTS, CAPACITY, AND COMPATIBILITY OF EXISTING UTILITIES THROUGH ACTUAL FIELD MEASUREMENTS AND INVESTIGATIONS AT THE JOB SITE PRIOR TO FABRICATION OR INSTALLATION OF ANY PIPING AND EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF SIGNIFICANT DEVIATION FROM THE PLANS ARE DISCOVERED. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE NOTIFICATION LAWS PRIOR TO ALL DIGGING OPERATIONS.
19. PROVIDE ALL OPERATING AND SAFETY CONTROLS FOR ALL MECHANICAL EQUIPMENT. PROVIDE AND INSTALL ALL CONTROL WIRING, CONDUIT, RELAYS, THERMOSTATS, SENSORS, CONTROL VALVES, CONTROLLERS, AND OTHER ITEMS REQUIRED TO DEVELOP THE WRITTEN "SEQUENCE OF CONTROL" AND CONTROL DIAGRAMS (WHERE SHOWN). ADHERE TO THE MANUFACTURER'S INSTRUCTION WHERE APPLICABLE. PROVIDE SHOP DRAWINGS, WIRING DIAGRAMS, PNEUMATIC AND ELECTRIC SCHEMATIC CONTROL DIAGRAMS, AND EQUIPMENT CUT SHEETS TO DESCRIBE THE METHOD OF IMPLEMENTATION.
20. THE CONTRACTOR SHALL OBTAIN AND ADHERE TO THE OWNER'S "RULES AND REGULATIONS FOR CONSTRUCTION". THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL OWNER REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, ALLOWABLE WORKING HOURS, PARKING, CORE DRILLING, NOISE, SECURITY, DUST CONTROL, TRASH REMOVAL, STAGING AREAS, STORAGE OF MATERIALS, CLEANUP, TOILET AVAILABILITY, ALL TEMPORARY UTILITIES, AND ALL UTILITY SERVICE INTERRUPTION. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER'S DESIGNATED REPRESENTATIVE.
21. REFER TO THE ELECTRICAL DRAWINGS FOR THE VOLTAGE AND PHASE REQUIREMENTS FOR ALL ELECTRICALLY POWERED MECHANICAL/PLUMBING EQUIPMENT.
22. DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE SYSTEM, LOCATING ALL DUCTWORK, PIPING AND EQUIPMENT PRECISELY BY DIMENSION. UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLUE-LINE PRINTS OF THE ORIGINAL DRAWINGS.
23. ASBESTOS CONTAINING MATERIALS (ACM) IS STRICTLY PROHIBITED FROM BEING INSTALLED ON ALL AT&T PROJECTS. SHOULD ACM BE INADVERTENTLY INSTALLED ON PROJECTS, PROPER REMOVAL, DISPOSAL AND REPLACEMENT WITH APPROVED PRODUCT SHALL BE THE SOLE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AT NO COST TO THE OWNER.

PROJECT NAME: NEW HAVEN CDO - GENERATOR DESIGN
DET-24002045-A4
CONSULTANT STAMP
exp U.S. Services Inc.
1-1 248 351 8200 | 1-1 248 351 8250
27777 Franklin Road
Suite 1510
Southfield, MI 48034
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www.exp.com

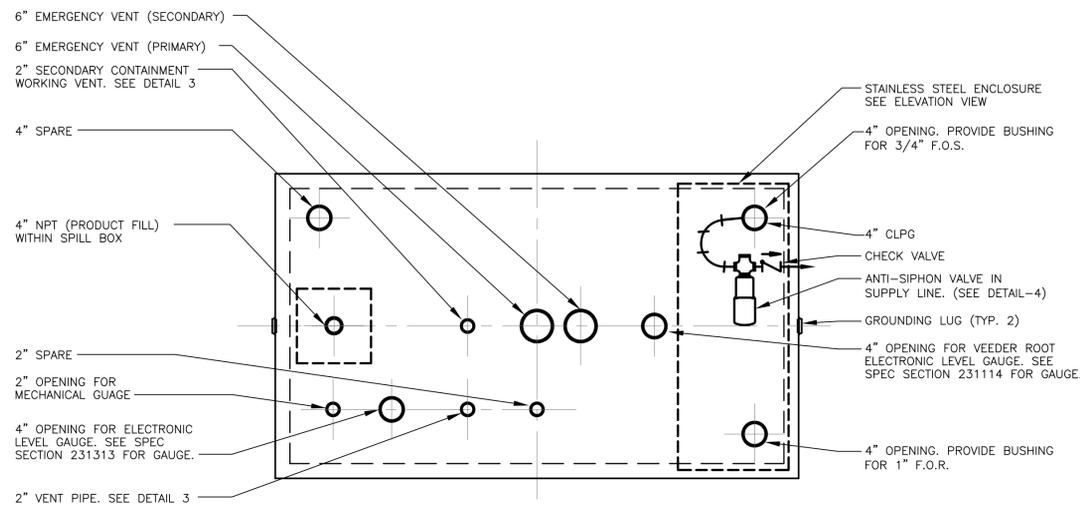
REVISIONS / AUTHORIZATIONS

NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

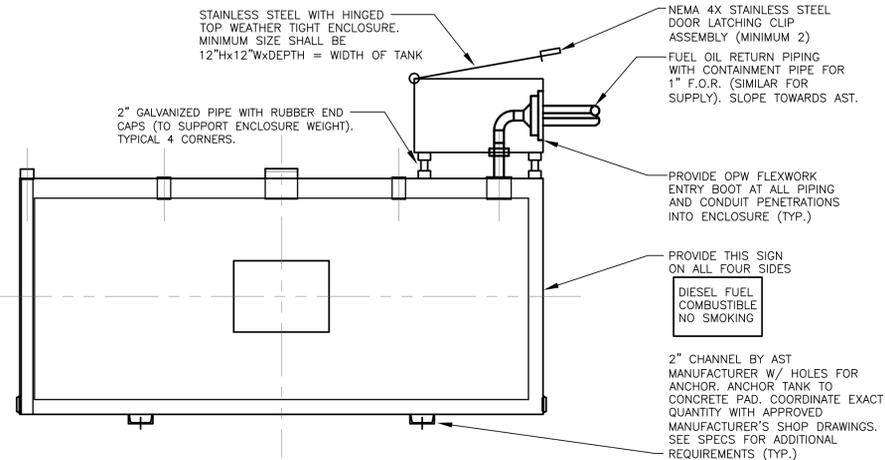
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AT&T CORPORATE REAL ESTATE
PROJECT_DRAWING
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMM 111436.01 M18255
SHEET TITLE:
ABBR., SYMBOLS & NOTES
MECHANICAL

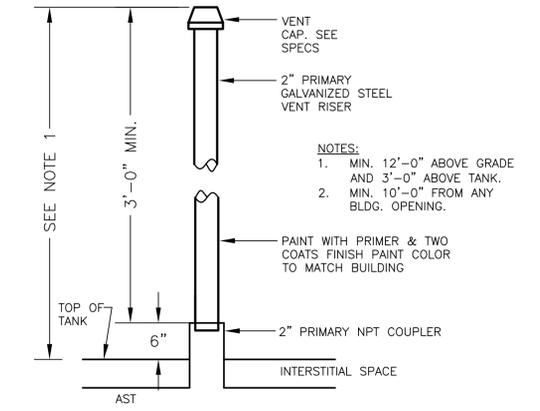
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DATE: [blank] SCALE: N/A
DRAWN BY: SM CHECKED BY: RB
SHEET: - OF: - SHEETS SHEET NO.
AT&T AUTHORIZATION: AIMEE BUTLER
AT&T DRAWING NO.: 2001272M00001
M00001



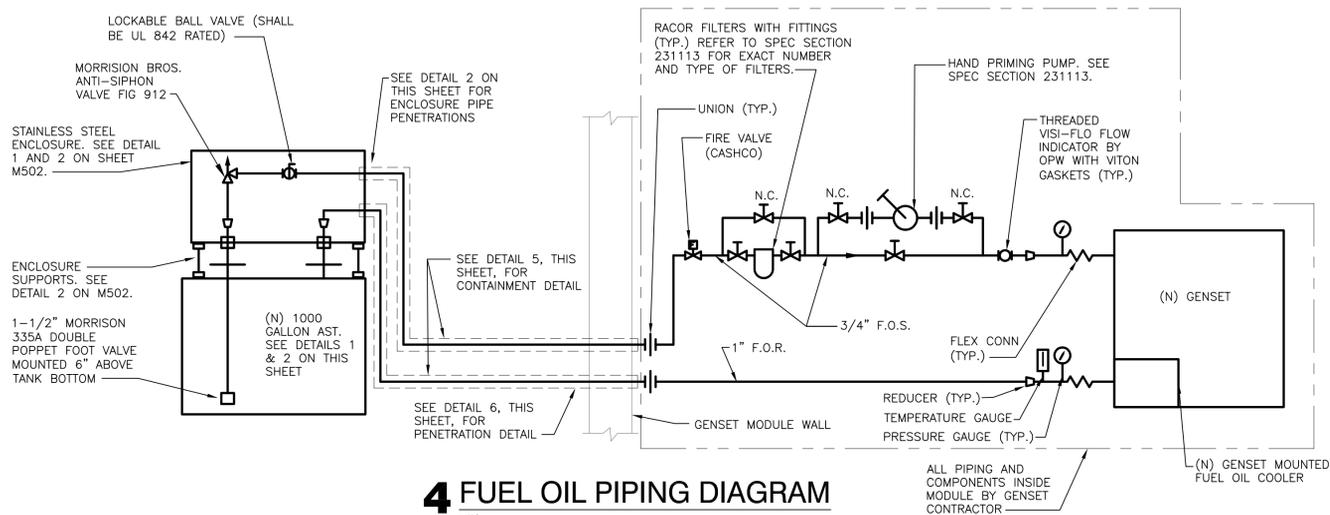
1 ABOVEGROUND STORAGE TANK - PLAN
NTS



2 ABOVEGROUND STORAGE TANK - ELEVATION
NTS

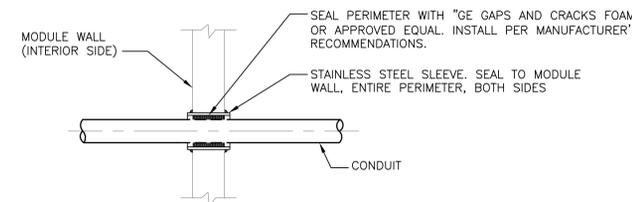


3 AST VENT PIPE RISER DETAIL
NTS

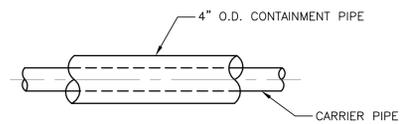


4 FUEL OIL PIPING DIAGRAM
NTS

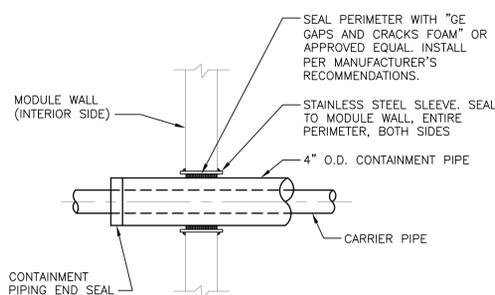
- DETAIL-4 NOTES:
- REFER TO SPEC SECTION 231113 FOR ADDITIONAL REQUIREMENTS.
 - ALL ITEMS ARE PROVIDED AND INSTALLED UNDER CONSTRUCTION CONTRACT, UNLESS NOTED OTHERWISE.



7 CONDUIT DETAIL AT MODULE WALL
NTS



5 DOUBLE WALL CONTAINMENT DETAIL
NTS

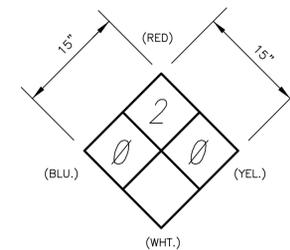


6 FUEL OIL PIPING DETAIL AT MODULE WALL
NTS

AST SCHEDULE (OWNER FURNISHED)

NO.	MAKE	MODEL	CAPACITY (GALLONS)	ACCESSORIES	REMARKS
AST	CONTAINMENT SOLUTIONS	SAC002	1000	15-GAL SPILL BOX	DOUBLE WALL UL-2085 LISTED TANK.

COORDINATE EXACT PAD MOUNTING REQUIREMENTS WITH TANK MANUFACTURER.



XX,XXX #
WEIGHT (empty)

FILL

MAIN TANK VENT

MAIN TANK EMERGENCY VENT

INTERSTITIAL EMERGENCY VENT

LEAK DETECTION TUBE

INTERSTITIAL SENSOR

X,XXX GALLON
CAPACITY

CAUTION: THIS TANK TO CONTAIN
PETROLEUM PRODUCTS ONLY

NO SMOKING

COMBUSTIBLE

DIESEL FUEL

PER NFPA 704 CHAPTER 6.
(INSTALL ON ALL VISIBLE SIDES)

1 1/2" BLACK LETTERS
ON WHITE BACKGROUND
(INSTALL ON ONE VISIBLE SIDE)

1" BLACK LETTERS
ON WHITE BACKGROUND

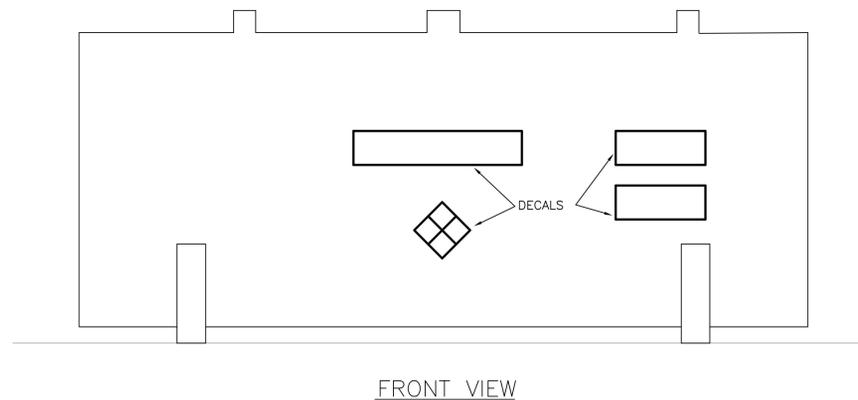
1 1/2" BLACK LETTERS
ON WHITE BACKGROUND
(INSTALL ON VISIBLE SIDE)

1" & 3/4" BLACK LETTERS
ON WHITE BACKGROUND
(one on each visible side)

3" RED LETTERS
ON WHITE BACKGROUND
(one on each visible side)

3" RED LETTERS
ON WHITE BACKGROUND
(one on each visible side)

3" RED LETTERS
ON WHITE BACKGROUND
(one on each visible side)



7 ABOVEGROUND STORAGE TANK LABELING REQUIREMENTS
NTS

REQUIRED TANK DECALS

PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN
DET-24002045-A4

CONSULTANT STAMP

STATE OF MICHIGAN
5/13/23
RAYMOND S. BUHAY
ENGINEER
No. 6201064206
LICENSED PROFESSIONAL ENGINEER

exp U.S. Services Inc.
1-1 248 351 8200 | 1-1 248 351 8250
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	PERMIT AND CONSTRUCTION	05/15/25	
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DRAWINGS PREPARED FOR
AT&T CORPORATE
REAL ESTATE

PROJECT_DRAWING

59041 MAIN ST
NEW HAVEN
MI US
NWHNMIM 111436.01 M18255

SHEET TITLE:

DETAILS
MECHANICAL

AT&T PROJECT NUMBER: 2001272	DATE: SM	SCALE: AS NOTED
AT&T AUTHORIZATION: AIMEE BUTLER	SHEET: - OF - SHEETS	CHECKED BY: RB
AT&T DRAWING NO.: 2001272M50001	SHEET NO. M50001	

DE-POWERING GENERAL NOTES:

- A. ALL BUILDING DE-POWERING STICKERS (ON FLOORS, WALLS, BUILDING DOORS, ETC.) SHALL BE REMOVED. DO NOT REMOVE STICKERS ON ELECTRICAL, MECHANICAL, OR TELECOMMUNICATIONS EQUIPMENT. COORDINATE THE EXACT SCOPE OF WORK WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE AND AT&T PROJECT MANAGER.

SITE PLAN GENERAL NOTES:

- A. REFER TO ARCHITECTURAL AND CIVIL SITE DRAWINGS FOR SITE INTERFERENCES, UTILITIES, ETC. HAND DIG IN AREAS WITH EXISTING UTILITIES TO AVOID INTERFERENCE. USE BELOW GRADE ELECTRONIC DETECTION METHODS WHERE NECESSARY TO LOCATE INTERFERENCES.
- B. COORDINATE EXACT TERMINATION LOCATION OF ELECTRIC SERVICE CONDUITS WITH RESPECTIVE UTILITY COMPANY PRIOR TO ANY INSTALLATION.
- C. USE EXTREME CAUTION WHEN WORKING IN AREAS WITH EXISTING UTILITIES. REVIEW SITE DRAWINGS INCLUDING CIVIL DRAWINGS AND THE OWNER'S RECORD DRAWINGS. HAND DIG WHERE UTILITY EXISTS.
- D. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- E. CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING UTILITIES (INCLUDING DEPTHS) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND UST FROM DAMAGE.
- F. ALL ITEMS SHOWN ON THE PLANS ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. THE ACTUAL LOCATION MAY VARY FROM THE PLANS, ESPECIALLY IN THE CASE OF UNDERGROUND UTILITIES. WHENEVER CONTRACTOR DISCOVERS A DISCREPANCY IN LOCATION, THEY SHALL CONTACT OWNER'S CONSTRUCTION REPRESENTATIVE, ARCHITECT/ENGINEER IMMEDIATELY.
- G. CONTRACTOR SHALL VERIFY THE LOCATION OF THE UTILITY POWER SOURCE WITH THAT SHOWN ON THE CONTRACT DOCUMENTS. IF ACTUAL LOCATION VARIES WITH THAT SHOWN ON DRAWINGS, THE CONTRACTOR SHALL CONTACT OWNER'S CONSTRUCTION REPRESENTATIVE.
- H. ALL CONDUITS INSTALLED BELOW GRADE SHALL BE A MINIMUM 42" BELOW GRADE TO TOP OF CONDUITS.
- I. REFER TO ONE LINE DIAGRAMS AND CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- J. ALL COST ASSOCIATED WITH UTILITY COMPANY EQUIPMENT, COORDINATION, INSTALLATION, ETC. SHALL BE INCLUDED IN THIS CONTRACTOR'S BID.
- K. COORDINATE ALL PHASING OF WORK WITH OWNER'S CONSTRUCTION REPRESENTATIVE AND OTHER TRADES. INCLUDE ALL COST IN BIDS.
- L. CONTACT JON NIXON, AT&T DAMAGE PREVENTION MANAGER AT OFFICE NUMBER: (616) 881-2268 OR EMAIL: JN3249@ATT.COM PRIOR TO ANY EXCAVATING, DRILLING, OR DIGGING AT ANY AT&T LOCATION. REFER TO GENERAL NOTES ON SHEET G00001 FOR ADDITIONAL INFORMATION.
- M. CONTRACTOR SHALL INCLUDE ALL DTE ENERGY COST IN BIDS.

KEY NOTES - DEMOLITION:

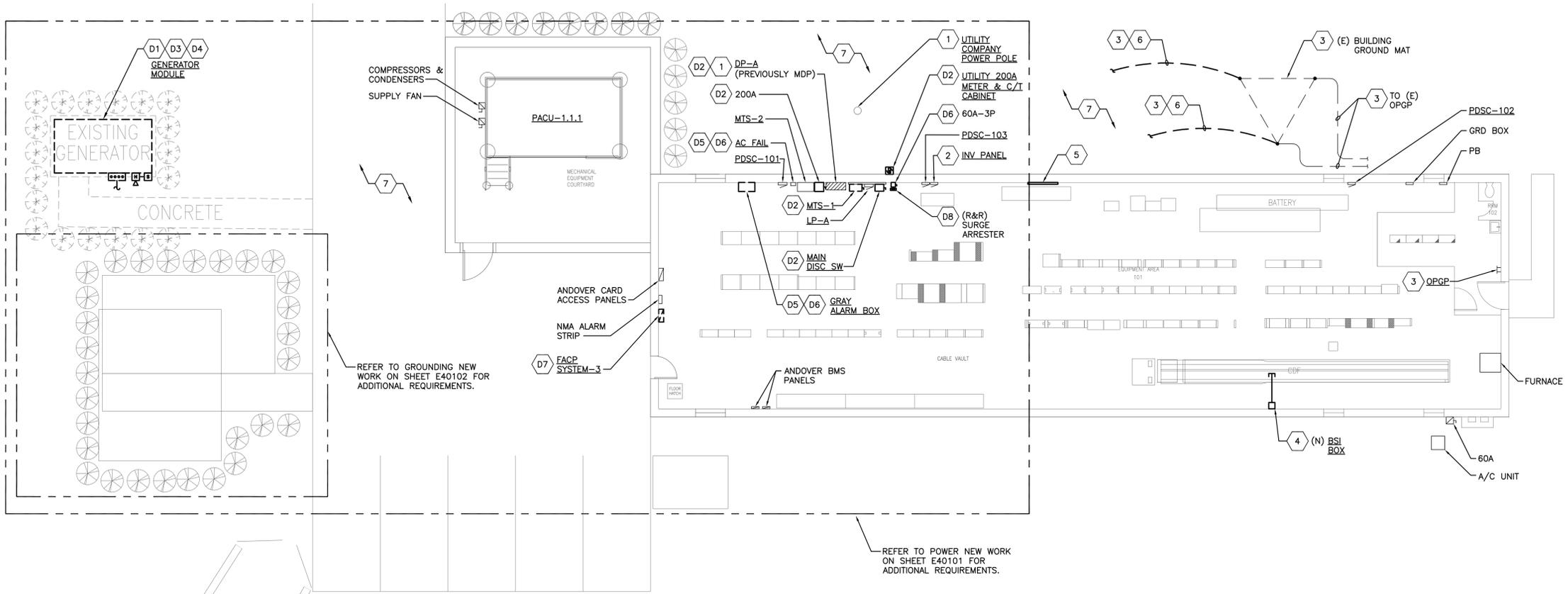
- 1. CONTRACTOR SHALL NOTIFY OWNERS CONSTRUCTION REPRESENTATIVE WHEN ALL EXISTING CONDUIT, WIRING, AND GROUNDING TO EXISTING GENSET EQUIPMENT HAS BEEN DE-ENERGIZED. AT&T POWER MAINTENANCE SHOP SHALL SALVAGE ANY EXISTING EQUIPMENT ASSOCIATED TO THE EXISTING GENERATOR AND MODULE. THE REMOVAL OF GENSET MODULE SHALL BE BY AT&T. REFER TO DEMOLITION ONE LINE DIAGRAM ON SHEET N60000D. FOR ADDITIONAL REQUIREMENTS.
- 2. DISCONNECT AND REMOVE. REFER TO DEMOLITION ONE LINE DIAGRAM ON SHEET N60000D FOR ADDITIONAL REQUIREMENTS.
- 3. DISCONNECT AND REMOVE EXISTING GENSET PULL BOX AND ALL CONDUCTORS BACK TO POWER SOURCE AND EXISTING CONTROL, ALARM, ETC. EQUIPMENT. REMOVE ALL CONDUCTORS, CUT CONDUIT 12" BELOW GRADE, AND ABANDON CONDUIT.
- 4. COORDINATE DEMOLITION OF EXISTING FIRE ALARM DEVICES IN GENSET MODULE AND DE-PROGRAMMING WITH SIEMENS REPRESENTATIVE PRIOR TO DEMOLITION OF MODULE. INCLUDE ALL COSTS IN BIDS AND COORDINATE WITH VANGUARD REPRESENTATIVE DAN WELLS (PHONE #616-490-3261).
- 5. TEMPORARILY RELOCATE GENSET ALARM BOX. COORDINATE RELOCATION AND REMOVAL WITH AT&T POWER MAINTENANCE SHOP. INCLUDE ALL COST IN BIDS.
- 6. DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT AND ASSOCIATED BOXES, SUPPORTS, DEVICES, CONDUIT, WIRING, ETC.
- 7. DISCONNECT, REMOVE, AND REPLACE EXISTING SYSTEM-3 FIRE ALARM PANEL. REFER TO 'D' SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 8. DISCONNECT, REMOVE, AND RELOCATE EXISTING SURGE ARRESTER. REFER TO DEMOLITION ONE LINE DIAGRAM ON SHEET N60000D.

KEY NOTES - NEW WORK:

- 1. REFER TO NEW WORK ONE LINE DIAGRAM ON SHEET N60001 FOR ADDITIONAL REQUIREMENTS.
- 2. PROVIDE NEW 20A-1P, 120V CIRCUIT BREAKERS FOR NEW 120V CIRCUITS. MATCH EXISTING 20A-1P CIRCUIT BREAKERS IN PANEL.
- 3. REFER TO PARTIAL GROUNDING RISER, NOTES, AND DETAILS ON SHEET E60001 AND E60002 FOR ADDITIONAL REQUIREMENTS.
- 4. REFER TO DETAILS AND WIRING DIAGRAM ON SHEET E60003 AND E60005 FOR ADDITIONAL REQUIREMENTS.
- 5. PROVIDE 24"x36" FRAME WITH PROJECT "AS-BUILT" ONE LINE DIAGRAM.
- 6. NEW GROUND CONDUCTOR TO NEW GENSET GROUND MAT.
- 7. REFER TO SITE PLAN GENERAL NOTES ON THIS SHEET.

GENERAL NOTES:

- A. ALL ELECTRICAL EQUIPMENT SHOWN ON THE FLOOR PLAN IS EXISTING UNLESS NOTED OTHERWISE.
- B. EXISTING EQUIPMENT SHOWN MAY NOT REFLECT EXISTING CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT NOMENCLATURE AND LOCATION PRIOR TO DOING ANY BIDDING OR MAKING ANY MODIFICATION TO THE SYSTEM. NOTE FINAL EQUIPMENT NOMENCLATURE ON AS-BUILTS.
- C. EXP ASSUMED THAT ALL EXISTING TO REMAIN EQUIPMENT AND ITS INSTALLATION ARE CODE COMPLIANT. CONTRACTOR SHALL NOTIFY IMMEDIATELY OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES FOUND DURING CONSTRUCTION.
- D. COORDINATE ALL DEMOLITION AND NEW WORK WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT A PROJECT PHASING SCHEDULE TO OWNER'S CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL.
- E. COORDINATE ALL PLANNED POWER SHUTDOWNS TO THE EXISTING POWER DISTRIBUTION SYSTEM WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT SHUTDOWN SCHEDULE TO OWNER'S CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL WITH MINIMUM (2) WEEKS IN ADVANCE.
- F. INCLUDE ALL COST OF ALL REQUIRED PLANNED POWER SHUTDOWNS AND COORDINATION WITH POWER UTILITY COMPANY, AS REQUIRED.
- G. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL EQUIPMENT AND EQUIPMENT INSTALLATION REQUIREMENTS.
- H. INSTALL EQUIPMENT PER MANUFACTURER RECOMMENDATIONS AND CODE REQUIREMENTS.
- I. CIRCUIT NUMBER INDICATED ON PLAN MAY NOT INDICATE ACTUAL CIRCUIT BREAKER POLE POSITION IN PANEL, BUT RATHER INDICATED ITEMS GROUPED ON THE SAME CIRCUIT.
- J. CONTRACTOR SHALL PATCH AND PAINT (TO MATCH EXISTING) ALL AREAS AFFECTED BY DEMOLITION AND NEW WORK. COORDINATE REQUIREMENTS WITH OWNER'S CONSTRUCTION REPRESENTATIVE AND ARCHITECTURAL TRADES.
- K. ALL CONDUITS SHALL BE MOUNTED AND INSTALLED TIGHT TO CEILING.
- L. ALL EMPTY CONDUITS SHALL HAVE A PULL WIRE AND TAGGED AT EACH END INDICATING SOURCE OR ITEM.
- M. ALL EXTERIOR CONDUITS BELOW AND ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL CONDUIT UNLESS NOTED OTHERWISE.
- N. PROVIDE P-TOUCH LABELS ON ALL WIRING DEVICES, JUNCTION BOXES, AND PULL BOXES INDICATING ITEM BEING SERVED AND WHERE ITS FED FROM.



1 FIRST FLOOR PLAN - DEMOLITION AND NEW WORK
1/8" = 1'-0"

CAUTION:
HAND DIG AND LOCATE ALL EXISTING UNDERGROUND INCOMING UTILITIES, GROUND MAT, POWER, GENSET, TELEPHONE, CONDUITS, ETC. PRIOR TO ANY WORK. REFER TO GENERAL SITE NOTES ON THIS SHEET AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

TAG	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	COMMENTS
"LA"	[Symbol]	WRAP AROUND LED LUMINAIRE PENDANT MOUNTED 10'-0" AFF TO BOTTOM OF LUMINAIRE	LITHONIA OR EQUAL BY COOPER LIGHTING	LBL4-LP840 -MVOLT	LED	MVOLT	HIGH-EFFICIENCY DRIVERS, LED 4000K, 50 WATT CAPACITY

NOTES:
CONTRACTOR SHALL FIELD VERIFY EXACT LUMINAIRE VOLTAGE REQUIREMENTS PRIOR TO ORDERING ANY LUMINAIRES.

PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN

DET-24002045-A4

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AT&T CORPORATE REAL ESTATE

PROJECT DRAWING
01
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIM 111436.01.01 M18255

SHEET TITLE:
FIRST FLOOR PLAN - DEMO & NW ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: 1/8" = 1'-0"
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM	CHECKED BY: PN/ND
	SHEET: - OF: - SHEETS	SHEET NO.
	AT&T DRAWING NO.: 2001272E10101	E10101

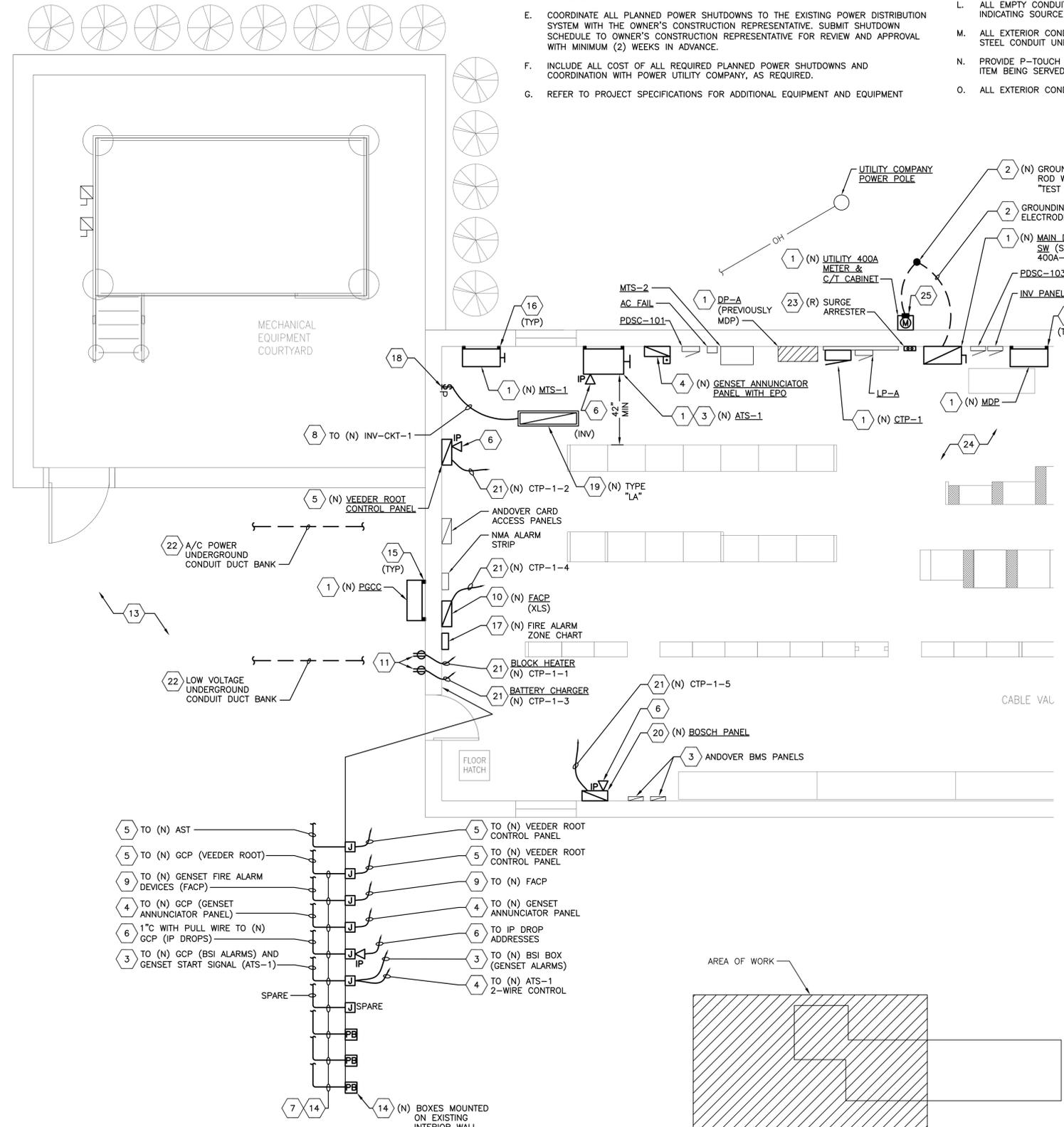
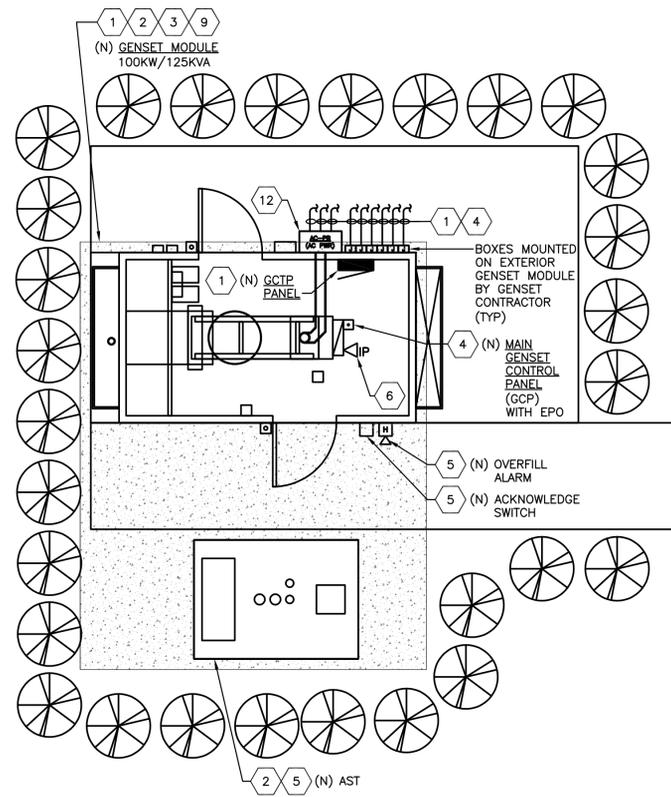
KEY NOTES - NEW WORK:

- REFER TO ONE-LINE DIAGRAM ON SHEET N60001 FOR ADDITIONAL REQUIREMENTS.
- REFER TO PARTIAL GROUNDING PLAN ON SHEET E40102, AND GROUNDING RISER AND DETAILS ON SHEETS E60001 AND E60002 FOR ADDITIONAL REQUIREMENTS.
- REFER TO SHEET E60003 AND E60005 FOR ADDITIONAL REQUIREMENTS.
- REFER TO SHEET E60003 FOR ADDITIONAL REQUIREMENTS.
- REFER TO SHEET E60003 AND E60004 FOR ADDITIONAL REQUIREMENTS.
- 1" C WITH PULL WIRE FOR IP DROP. COORDINATE CABLING WITH OWNER'S CONSTRUCTION REPRESENTATIVE AND AT&T POWER MAINTENANCE SHOP PRIOR TO ANY INSTALLATION.
- PROVIDE WATERPROOF "LINK SEAL" FOR ALL PENETRATIONS THROUGH EXTERIOR WALL. COORDINATE WITH ARCHITECTURAL TRADES.
- NEW 2#10, 1#10 GRD-1" C TO NEW DEDICATED 20A-1P CIRCUIT BREAKER IN EXISTING 120V INVERTER PANEL (INV PANEL). UPDATE CIRCUIT BREAKER DIRECTORY.
- REFER TO FIRE ALARM 'D' SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- REPLACE EXISTING SYSTEM-3 FIRE ALARM CONTROL PANEL WITH NEW XLS FIRE ALARM CONTROL PANEL. REFER TO 'D' SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- NEW 20A-1P, GFCI DUPLEX RECEPTACLE IN NEMA-3R ENCLOSURE WITH "IN-USE" METAL WEATHERPROOF COVER.
- ALL POWER CONDUCTORS IN AC-PB SHALL BE 600 VOLT RATED.
- HAND DIG AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO ANY WORK. REFER TO SITE PLAN GENERAL NOTES ON E10101 FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH ARCHITECTURAL TRADES.
- COORDINATE EXACT LOCATION, REQUIREMENTS AND ROUTING OF CONDUITS WITH ALL TRADES AND OWNER'S CONSTRUCTION REPRESENTATIVE. REMOVE, RELOCATE, AND EXTEND CONDUIT AND WIRING TO EXISTING EQUIPMENT ON WEST WALL OF THE BUILDING TO ACCOMMODATE INSTALLATION OF NEW PULL AND JUNCTION BOXES. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.
- PROVIDE GALVANIZED UNISTRUT SUPPORT STEEL AND STAINLESS STEEL HARDWARE FOR A SECURE INSTALLATION.
- PROVIDE UNISTRUT SUPPORT STEEL AND STAINLESS STEEL HARDWARE FOR A SECURE INSTALLATION.
- REPLACE FIRE ALARM ZONE CHART WITH NEW "AS-BUILT" ZONE CHART.
- NEW 20A-1P, 120V RATED LIGHTING SWITCH WITH RED LED PILOT LIGHT. PILOT LIGHT SHALL BE "ON" WHEN LIGHT FIXTURES ARE "OFF".
- REFER TO LUMINAIRE SCHEDULE ON SHEET E10101.
- REFER TO BOSCH PANEL DETAIL ON SHEET E50001 FOR ADDITIONAL REQUIREMENTS.
- NEW 2#10, 1#10 GRD.-1/2" CONDUIT TO NEW DEDICATED 20A-1P CIRCUIT BREAKER IN NEW CTP-1 PANEL. UPDATE CIRCUIT BREAKER DIRECTORY.
- NEW UNDERGROUND CONDUIT IN CONCRETE DUCT BANK 42" MINIMUM BELOW FINISH GRADE TO TOP OF CONDUIT. REFER TO DETAILS ON SHEET C40000 FOR ADDITIONAL REQUIREMENTS.
- RELOCATED SURGE ARRESTER. REFER TO ONE LINE DIAGRAM ON SHEET N60001 FOR ADDITIONAL REQUIREMENTS. CONDUCTOR LEAD LENGTH SHALL NOT EXCEED MANUFACTURER REQUIREMENTS.
- REMOVE AND RELOCATE TABLES, CHAIRS, ETC. IN FRONT OF NEW ELECTRICAL EQUIPMENT AND PANELS. COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
- NEW CONNECTION SHALL BE 2-HOLE CRIMP COMPRESSION TYPE STAINLESS STEEL BOLT TONGUE LONG BARREL CONNECTORS.

GENERAL NOTES:

- ALL ELECTRICAL EQUIPMENT SHOWN ON THE FLOOR PLAN IS EXISTING UNLESS NOTED OTHERWISE.
- EXISTING EQUIPMENT SHOWN MAY NOT REFLECT EXISTING CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT NOMENCLATURE AND LOCATION PRIOR TO DOING ANY BIDDING OR MAKING ANY MODIFICATION TO THE SYSTEM. NOTE FINAL EQUIPMENT NOMENCLATURE ON AS-BUILTS.
- EXP ASSUMED THAT ALL EXISTING TO REMAIN EQUIPMENT AND ITS INSTALLATION ARE CODE COMPLIANT. CONTRACTOR SHALL NOTIFY IMMEDIATELY OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES FOUND DURING CONSTRUCTION.
- COORDINATE ALL DEMOLITION AND NEW WORK WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL.
- COORDINATE ALL PLANNED POWER SHUTDOWNS TO THE EXISTING POWER DISTRIBUTION SYSTEM WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT SHUTDOWN SCHEDULE TO OWNER'S CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL WITH MINIMUM (2) WEEKS IN ADVANCE.
- INCLUDE ALL COST OF ALL REQUIRED PLANNED POWER SHUTDOWNS AND COORDINATION WITH POWER UTILITY COMPANY, AS REQUIRED.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL EQUIPMENT AND EQUIPMENT INSTALLATION REQUIREMENTS.
- INSTALL EQUIPMENT PER MANUFACTURER RECOMMENDATIONS AND CODE REQUIREMENTS.
- CIRCUIT NUMBER INDICATED ON PLAN MAY NOT INDICATE ACTUAL CIRCUIT BREAKER POLE POSITION IN PANEL, BUT RATHER INDICATED ITEMS GROUPED ON THE SAME CIRCUIT.
- CONTRACTOR SHALL PATCH AND PAINT (TO MATCH EXISTING) ALL AREAS AFFECTED BY DEMOLITION AND NEW WORK. COORDINATE REQUIREMENTS WITH OWNER'S CONSTRUCTION REPRESENTATIVE AND ARCHITECTURAL TRADES.
- ALL CONDUITS SHALL BE MOUNTED AND INSTALLED TIGHT TO CEILING.
- ALL EMPTY CONDUITS SHALL HAVE A PULL WIRE AND TAGGED AT EACH END INDICATING SOURCE OR ITEM.
- ALL EXTERIOR CONDUITS BELOW AND ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL CONDUIT UNLESS NOTED OTHERWISE.
- PROVIDE P-TOUCH LABELS ON ALL JUNCTION BOXES AND PULL BOXES INDICATING ITEM BEING SERVED.
- ALL EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL.

CAUTION:
HAND DIG AND LOCATE ALL EXISTING UNDERGROUND INCOMING UTILITIES, GROUND MAT, POWER, GENSET, TELEPHONE, CONDUITS, ETC. PRIOR TO ANY WORK. REFER TO GENERAL SITE NOTES ON THIS SHEET AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.



PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN

DET-24002045-A4

CONSULTANT STAMP

STATE OF MICHIGAN
5/13/23
RAYMOND S. BUHAY
ENGINEER
No. 6201064206
LICENSED PROFESSIONAL ENGINEER

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	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

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DRAWINGS PREPARED FOR

AT&T CORPORATE REAL ESTATE

PROJECT DRAWING
01
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMM 111436.01.01 M18255

SHEET TITLE:
PART. FIRST FLOOR PLAN - PWR - NW ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE: SM	SCALE: 1/4" = 1'-0"
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM	CHECKED BY: PN/ND
	SHEET: - OF: - SHEETS	SHEET NO.
	AT&T DRAWING NO.: 2001272E40101	E40101

1 PARTIAL FIRST FLOOR PLAN - POWER - NEW WORK
1/4" = 1'-0"

north

0 KEY PLAN
NTS

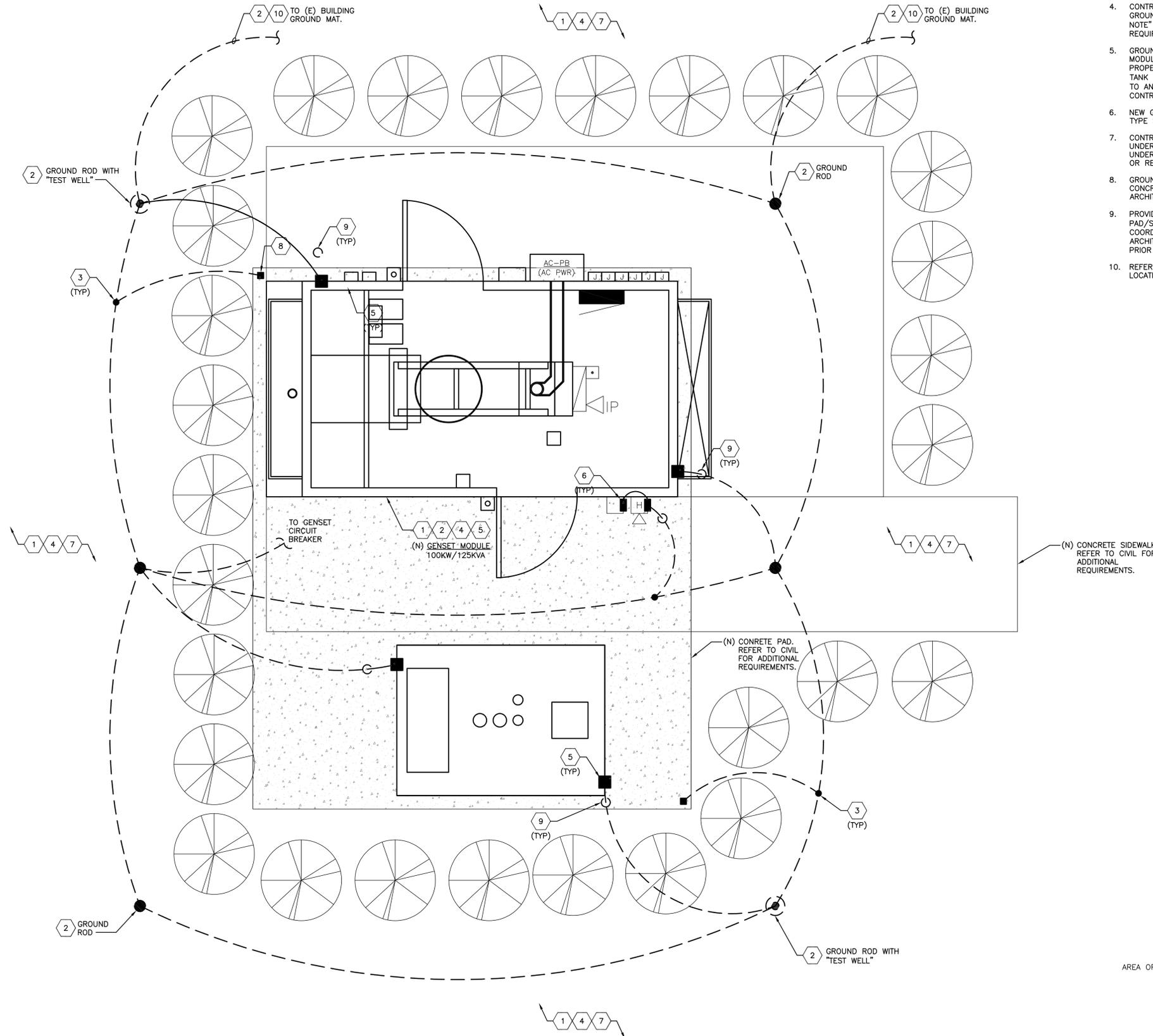
north

X KEY NOTES - NEW WORK:

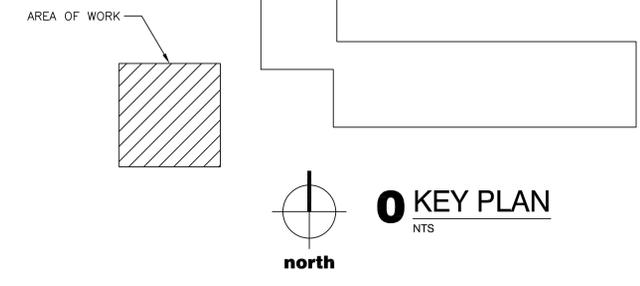
1. REFER TO GENERAL SITE PLAN NOTES ON SHEET E40102 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO PARTIAL GROUNDING RISER, NOTES, AND DETAILS ON SHEET E60001 AND E60002 FOR ADDITIONAL REQUIREMENTS.
3. NEW "T" EXOTHERMIC WELD CONNECTION.
4. CONTRACTOR SHALL FIELD LOCATE ALL UNDERGROUND CONDUITS, GROUNDING, ETC. PRIOR TO ANY WORK. REFER TO "CAUTION BOX-IN NOTE" AND "GENERAL SITE PLAN NOTES" ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.
5. GROUNDING CONNECTION SHALL BE EXOTHERMIC TYPE WELD TO GENSET MODULE AND AST SUPPORT STEEL. PREPARE EQUIPMENT SURFACE FOR PROPER GROUNDING CONNECTION. CAUTION: "DO NOT WELD" WITH FUEL IN TANK AND/OR ANY ENERGIZED (POWER) EQUIPMENT (DE-ENERGIZED PRIOR TO ANY WORK). COORDINATE EXACT REQUIREMENTS WITH GENSET CONTRACTOR AND FUEL CONTRACTOR PRIOR TO ANY WORK.
6. NEW GROUNDING CONNECTION SHALL BE 2-HOLE CRIMP COMPRESSION TYPE STAINLESS STEEL BOLT TONGUE LONG BARREL CONNECTORS.
7. CONTRACTOR SHALL FIELD TRACE AND LOCATE EXISTING INCOMING UNDERGROUND SERVICES, GROUNDING TEST WELLS, GROUND MAT, AND ALL UNDERGROUND GROUNDING CONDUCTORS PRIOR TO INSTALL OF ANY NEW OR RELOCATED EQUIPMENT.
8. GROUNDING CONNECTION SHALL BE EXOTHERMIC TYPE WELD TO NEW CONCRETE PAD REBAR. COORDINATE EXACT REQUIREMENTS WITH CIVIL AND ARCHITECTURAL TRADES.
9. PROVIDE 3/4" PVC SCHEDULE 40 SLEEVE STUB-UP THROUGH CONCRETE PAD/SIDEWALK FOR GROUNDING CONDUCTOR. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH CIVIL AND ARCHITECTURAL TRADES, AND OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO POURING CONCRETE.
10. REFER TO SHEET E10101 FOR APPROXIMATE BUILDING GROUND MAT LOCATION AND ADDITIONAL REQUIREMENTS.

GENERAL NOTES:

- A. ALL ELECTRICAL EQUIPMENT SHOWN ON THE FLOOR PLAN IS NEW UNLESS NOTED OTHERWISE.
- B. EXISTING EQUIPMENT SHOWN MAY NOT REFLECT EXISTING CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT NOMENCLATURE AND LOCATION PRIOR TO DOING ANY BIDDING OR MAKING ANY MODIFICATION TO THE SYSTEM. NOTE FINAL EQUIPMENT NOMENCLATURE ON AS-BUILTS.
- C. EXP ASSUMED THAT ALL EXISTING TO REMAIN EQUIPMENT AND ITS INSTALLATION ARE CODE COMPLIANT. CONTRACTOR SHALL NOTIFY IMMEDIATELY OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES FOUND DURING CONSTRUCTION.
- D. COORDINATE ALL DEMOLITION AND NEW WORK WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT A PROJECT PHASING SCHEDULE TO OWNER'S CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL.
- E. COORDINATE ALL PLANNED POWER SHUTDOWNS TO THE EXISTING POWER DISTRIBUTION SYSTEM WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT SHUTDOWN SCHEDULE TO OWNER'S CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL WITH MINIMUM (2) WEEKS IN ADVANCE.
- F. INCLUDE ALL COST OF ALL REQUIRED PLANNED POWER SHUTDOWNS AND COORDINATION WITH POWER UTILITY COMPANY, AS REQUIRED.
- G. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL AND EQUIPMENT INSTALLATION REQUIREMENTS.
- H. INSTALL EQUIPMENT PER MANUFACTURER RECOMMENDATIONS AND CODE REQUIREMENTS.
- I. CIRCUIT NUMBER INDICATED ON PLAN MAY NOT INDICATE ACTUAL CIRCUIT BREAKER POLE POSITION IN PANEL, BUT RATHER INDICATED ITEMS GROUPED ON THE SAME CIRCUIT.
- J. CONTRACTOR SHALL PATCH AND PAINT (TO MATCH EXISTING) ALL AREAS AFFECTED BY DEMOLITION AND NEW WORK. COORDINATE REQUIREMENTS WITH OWNER'S CONSTRUCTION REPRESENTATIVE AND ARCHITECTURAL TRADES.
- K. ALL CONDUITS SHALL BE MOUNTED AND INSTALLED TIGHT TO CEILING.
- L. ALL EMPTY CONDUITS SHALL HAVE A PULL WIRE AND TAGGED AT EACH END INDICATING SOURCE OR ITEM.
- M. ALL EXTERIOR CONDUITS BELOW AND ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL CONDUIT.
- N. PROVIDE P-TOUCH LABELS ON ALL JUNCTION BOXES AND PULL BOXES INDICATING ITEM BEING SERVED.



CAUTION:
HAND DIG AND LOCATE ALL EXISTING UNDERGROUND INCOMING UTILITIES, GROUND MAT, POWER, GENSET, TELEPHONE, CONDUITS, ETC. PRIOR TO ANY WORK. REFER TO GENERAL SITE NOTES ON THIS SHEET AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.



1 PARTIAL FIRST FLOOR PLAN - GROUNDING - NEW WORK
1/2" = 1'-0"



0 KEY PLAN
NTS

PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN

DET-24002045-A4

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	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

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AT&T CORPORATE REAL ESTATE

PROJECT_DRAWING
01
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMM 111436.01.01 M18255
SHEET TITLE:
PART. FIRST FLOOR PLAN - GRD - NW ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE: SM	SCALE: 1/2" = 1'-0"
AT&T AUTHORIZATION: AIMEE BUTLER	CHECKED BY: PN/ND	SHEET NO.
AT&T DRAWING NO.: 2001272E40102		E40102

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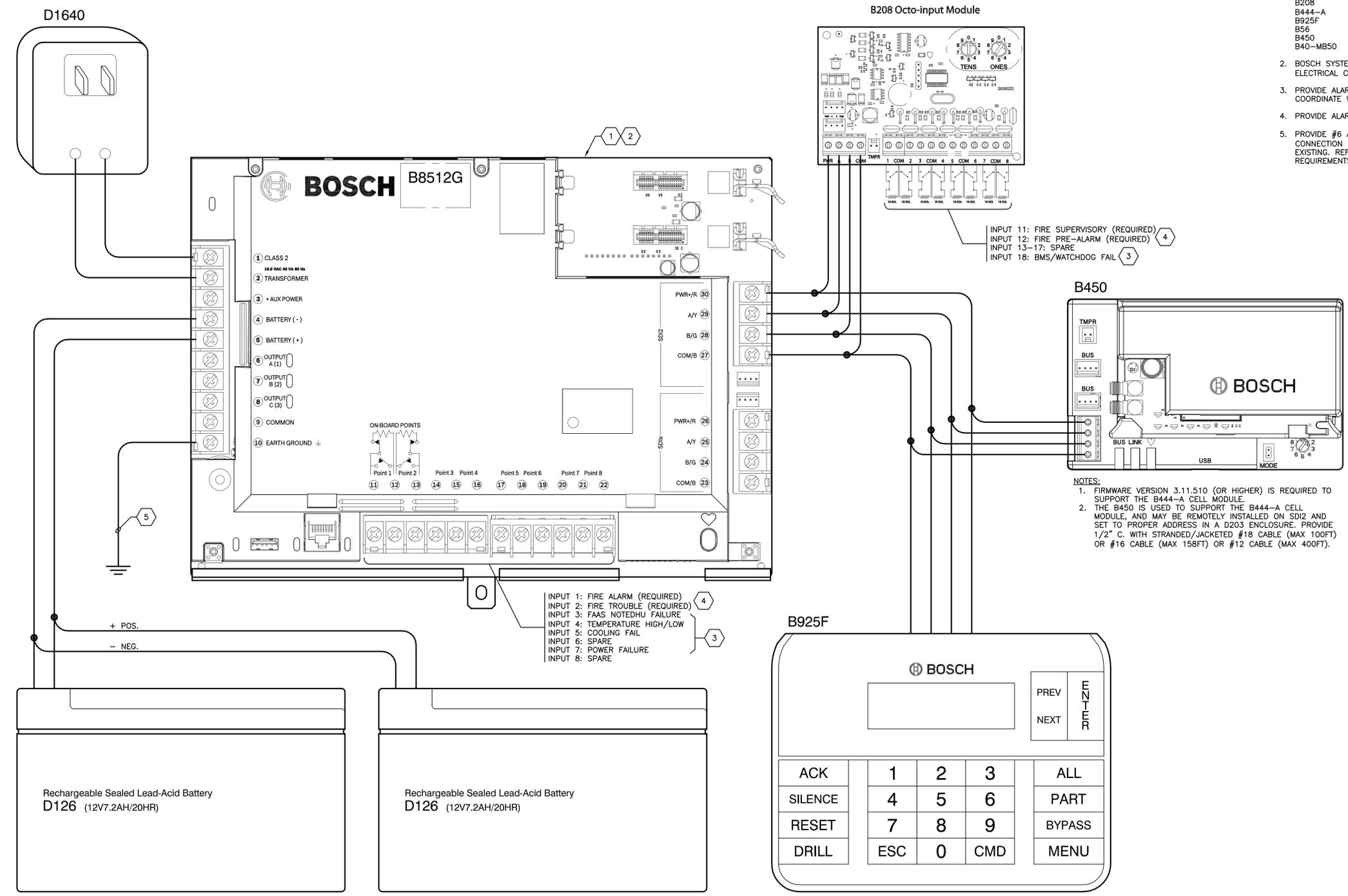
GENERAL NOTES:

- CONTACT TERRY FREDRICKSON FOR BOSCH SYSTEM ORDERING INFORMATION, TERRY.FREDRICKSON@US.BOSCH.COM

DETAIL-1 KEY NOTES:

- BOSCH SYSTEM AND ALL ACCESSORIES PROVIDED BY ELECTRICAL CONTRACTOR. PROVIDE THE FOLLOWING COMPONENTS FOR A COMPLETE BOSCH SYSTEM:

PART NO.	DESCRIPTION
B8512G	MAIN PANEL-B8512G
D8109	FIRE ENCLOSURE, RED (UL APPROVED)
D8004	TRANSFORMER ENCLOSURE KIT (UL APPROVED)
D1640	TRANSFORMER PLUG-IN, 16 VAC 40 VA
D122L	DUAL BATTERY HARNESS, 35", 12V
D126	BATTERY, 12V 7AH
ICP-1K22AWG-10	END OF LINE RESISTOR, 1K OHM 22AWG (10 PK)
D167	EARTH GROUND CLAMP
B208	8-INPUT EXPANSION MODULE
B444-A	PLUG-IN CELL MODULE, AMEC LTE (NO-SIM-CARD)
B925F	FIRE AND INTRUSION KEYPAD, SD12
B56	KEYPAD SURFACE MOUNT BOX
B450	PLUG-IN COMMUNICATOR INTERFACE
B40-MB50	OUTDOOR MULTIBAND ANTENNA, CELL, 50FT.
- BOSCH SYSTEM SHALL BE PROGRAMMED AT SITE BY BOSCH CERTIFIED INSTALLER. ELECTRICAL CONTRACTOR TO COORDINATE WITH EAMC/BASC ALARMING CENTER.
- PROVIDE ALARM AND EXTEND FROM TEMPERATURE CONTROL PANEL TO NEW BOSCH PANEL. COORDINATE WITH TEMPERATURE CONTROLS VENDOR.
- PROVIDE ALARM AND EXTEND FROM FACP PANEL TO NEW BOSCH PANEL.
- PROVIDE #6 AWG GREEN INSULATED, COPPER STRANDED, RHH-L3 GROUND CONDUCTOR CONNECTION FROM BOSCH PANEL TO "OPGP". TERMINATION AT GROUND BAR SHALL MATCH EXISTING. REFER TO GENERAL GROUNDING NOTES ON SHEET E60003 FOR ADDITIONAL REQUIREMENTS.



PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN

DET-24002045-A4

CONSULTANT STAMP

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5/13/23
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ENGINEER
No. 6201064206
LICENSED PROFESSIONAL ENGINEER

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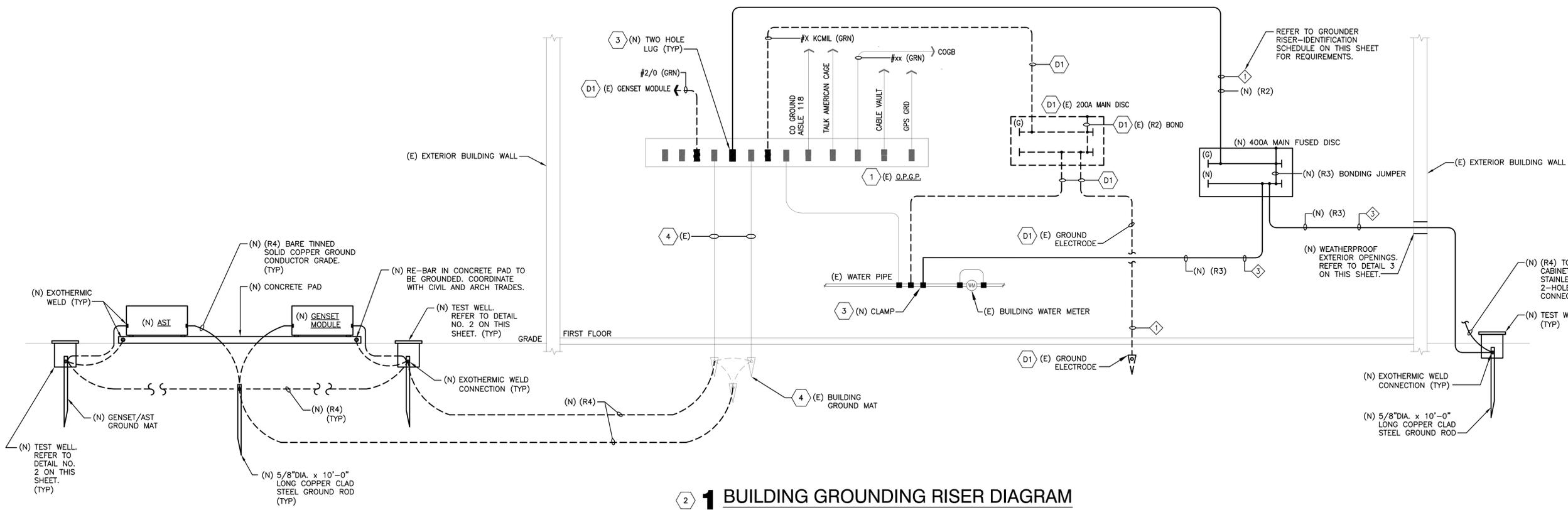
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMM 111436.01 M18255

SHEET TITLE:
BOSCH PANEL DETAILS ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE: SM	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	CHECKED BY: PN/ND	SHEET NO. E50001

1 BOSCH PANEL DETAIL
NOT TO SCALE

L:\01-15-2025-17:04:00 (WREF) E:\DET\DET-24002045-AA\60 Execution\65 Drawings\65 Common Content\M182551TB.dwg



1 BUILDING GROUNDING RISER DIAGRAM

NTS
 NOTES:
 1. ALL NEW GROUNDING CONDUCTORS ON THIS DIAGRAM SHALL BE STRANDED, GREEN INSULATED TYPE "RH-H-L3" UNLESS OTHERWISE NOTED.

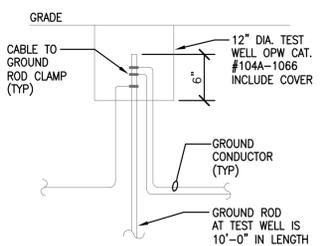
GROUND WIRE LEGEND

R1 - 500 KCMIL, CU. STRANDED, GREEN INSULATED
 R2 - #4/0 AWG, CU. STRANDED, GREEN INSULATED
 R3 - #1/0 AWG, CU. STRANDED, GREEN INSULATED
 R4 - #2 AWG, CU., SOLID, BARE, TIN PLATED
 R5 - #2 AWG, CU., STRANDED, GREEN INSULATED
 R6 - #750KCMIL, CU., STRANDED, GREEN INSULATED
 R7 - #6 AWG, CU, BARE STRANDED

TAG ID NO.	MATERIAL	TAG SIZE	LETTER SIZE	DESCRIPTION AT O.P.G.P.	DESCRIPTION AT TERMINATION
1	BRASS - 18 GAUGE	1 1/2" DIA	MIN 1/8"	MAIN DISC. SW	O.P.G.P.
2	BRASS - 18 GAUGE	1 1/2" DIA	MIN 1/8"	"WATER PIPE"	O.P.G.P.
3	BRASS - 18 GAUGE	1 1/2" DIA	MIN 1/8"	DES @ MAIN DISC. SW "GRD ROD"	MAIN DISC. SW
4	BRASS - 18 GAUGE	1 1/2" DIA	MIN 1/8"		
5	BRASS - 18 GAUGE	1 1/2" DIA	MIN 1/8"		
6	BRASS - 18 GAUGE	1 1/2" DIA	MIN 1/8"		
7					

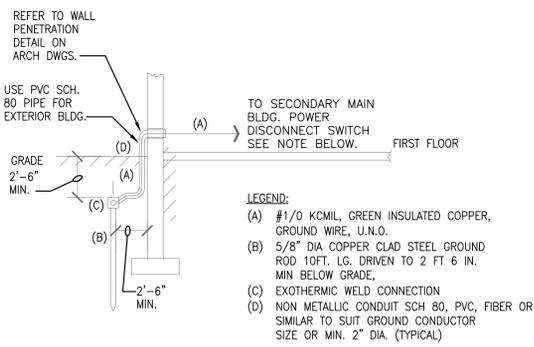
C.O. GROUND RISER-IDENTIFICATION SCHEDULE

NTS



2 NEW TEST WELL

NTS



3 GROUND CONDUCTOR ENTRANCE

NTS

NOTE:
 SIMILAR FOR NEW GROUND MAT GROUNDING EXCEPT LEGEND ITEM (A) SHALL BE #2 AWG, CU, SOLID BARE TINNED WHEN SHOWN (TYPICAL)

GENERAL NOTES:

- ALL GROUNDING EQUIPMENT AND CONDUCTORS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE.
- REFER TO GENERAL GROUNDING NOTES AND DETAILS ON SHEET E60002 FOR ADDITIONAL REQUIREMENTS.
- REFER TO GROUNDING SPECIFICATIONS SECTION 260526 FOR ADDITIONAL REQUIREMENTS. SUBMIT TEST REPORT FOR REVIEW.

KEY NOTES - DEMO WORK:

- DISCONNECT AND REMOVE AFTER NEW EQUIPMENT IS TESTED AND ENERGIZED.

KEY NOTES - NEW WORK:

- FIELD VERIFY EXACT LOCATION PRIOR TO BIDDING.
- REFER TO TYPICAL GROUNDING NOTES AND DETAILS ON THIS SHEET AND SHEET E60002.
- REFER TO DETAILS ON SHEET E60002.
- CONTRACTOR SHALL FIELD TRACE AND LOCATE EXISTING BUILDING GROUND MAT PRIOR TO BIDDING.

PROJECT NAME:
 NEW HAVEN CDO - GENERATOR DESIGN
 DET-24002045-A4

CONSULTANT STAMP
 STATE OF MICHIGAN
 5/13/23
 RAYMOND S. BUHAY
 LICENSED PROFESSIONAL ENGINEER
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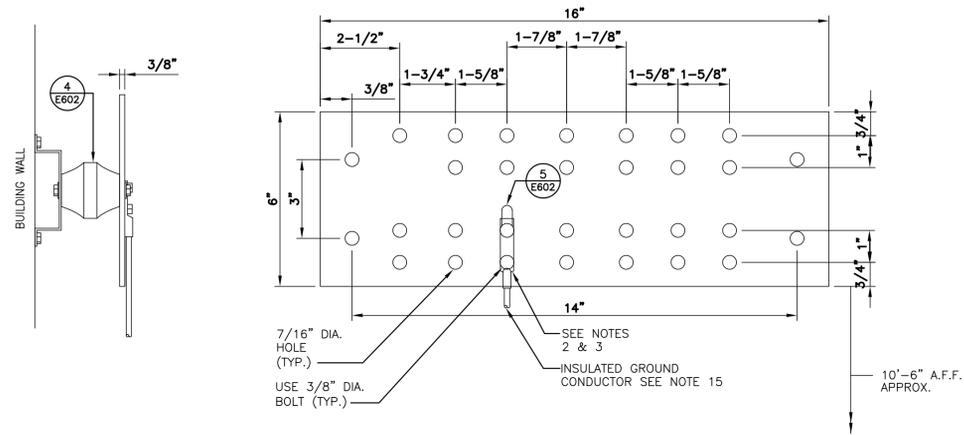
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AT&T CORPORATE REAL ESTATE
 DRAWINGS PREPARED FOR

PROJECT_DRAWING
 59041 MAIN ST
 NEW HAVEN
 MI US
 NWHNMIMM 111436.01 M18255

SHEET TITLE:
GROUNDING RISER & DETAILS ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM	CHECKED BY: PN/ND
	SHEET: - OF: - SHEETS	SHEET NO.
	AT&T DRAWING NO.: 2001272E60001	E60001



1 EXISTING O.P.G.P. GROUND BAR
NTS

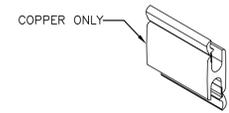
REQD	PART NO.	DESCRIPTION
1	XXX	GROUND BAR
2	2103890010	WALL MTG. BRKT.
2	3061-4	INSULATORS*
4	3012-1	5/8-11 X 1 HHCS
4	3015-8	LOCKWASHERS-5/8"

MANUFACTURER: NEWTON INSTRUMENTS COMPANY, INC. TEL: 919-575-6426 (PART NO. XXX)



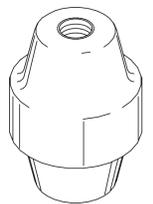
SEE NOTE 5 FOR ADDITIONAL REQUIREMENTS

2 STRAPS
NTS



T & B CAT. NO. CHT750350-2 FOR 750 MCM OR EQUAL BY "BURNDY" WITH CLEAR COVER.

3 COMPRESSION H-TAP
NTS



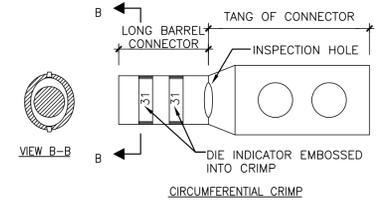
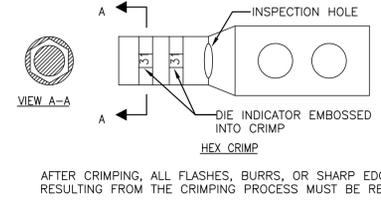
GLASTIC CAT. #1872-3E CENTER-POST INSULATORS
NOTE: CALL GLASTIC CORPORATION (216-486-0100) FOR LOCAL DISTRIBUTOR.

4 GROUND INSULATOR
NTS

SPECIFICATION - Verification of CO Earth 'Grounds' (TEST FORM)
Location: _____
Address: _____
Verification of O.P.G.P. ground bar connection to earth ground - choose one of items 1 through 4 listed below that is applicable for this location.

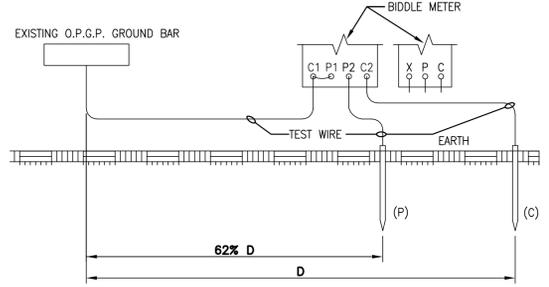
- WATER PIPE
 - Determine outer diameter _____ and composition _____
 - Water meter is jumpered _____ (y,n,nr), what size composition _____ of jumper.
 - Determine resistance using FALL OF POTENTIAL METHOD _____ OHMS.
 - Approximate horizontal length to water main or well head _____ number of feet.
- DRIVEN GROUND ROD SYSTEM, GROUND RING OR GROUND MAT.
 - Wire size _____, composition _____, solid wire _____
 - Determine resistance using FALL OF POTENTIAL METHOD _____ OHMS.
- PRIVATE WELL CASING (verify physically)
 - Determine water pipe outer diameter _____ and composition _____. NOTE: If water pipe is copper go on to 'b' below.
 - Determine resistance using FALL OF POTENTIAL METHOD _____ OHMS.
 - Approximate horizontal length of water pipe to well head. _____ number of feet.
- OTHER (comment in detail)

5. MAIL COMPLETED TEST FORM IN DUPLICATE FOR APPROVAL TO:
OWNER'S CONSTRUCTION REPRESENTATIVE (SEE SPECIFICATION COVER SHEET FOR NAME AND ADDRESS)



5 TWO HOLE CRIMP COPPER CONNECTION
NTS

NOTE: PROVIDE CLEAR SINK WRAP COVERS



LEGEND
(C) - CURRENT REFERENCE GROUND ROD
(P) - POTENTIAL REFERENCE GROUND ROD
(D) - RECOMMENDED DISTANCE OF CURRENT REFERENCE GROUND ROD FROM O.P.G.P.:
FOR SINGLE EARTH ELECTRODE/WATER PIPE
D = 50 TO 60 FEET

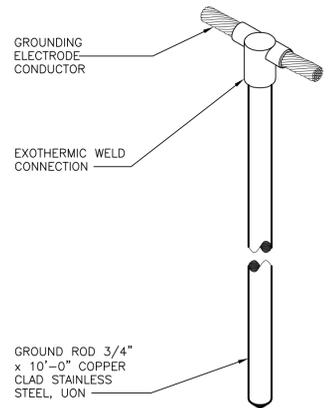
NOTES:
1. COORDINATE TESTING TWO WEEKS IN ADVANCE WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE.

6 FALL-OF-POTENTIAL
NTS

GENERAL GROUNDING NOTES:

- COORDINATE ALL WORK RELATED TO COPPER GROUND RISER WITH THE OWNER'S REPRESENTATIVE.
- NO COLDWELDING IS PERMITTED IN AREAS WITH EXISTING TELEPHONE EQUIPMENT, AND OTHER AREAS INSIDE THE BUILDING.
- TWO HOLE BARREL, BOLTED TYPE HYDRAULIC DOUBLE INDENT COPPER COMPRESSION POSSIBLE. CONNECTOR SHALL BE BURNDY OR EQUAL BY T&B. ALL COMPRESSION CONNECTORS (FOR CABLE SIZES NO. 1/0 AWG AND LARGER) SHALL EMPLOY HEX OR CIRCUMFERENTIAL - TYPE CRIMPS, AND THE CRIMPS SHALL EMBOSS AN INDICATOR OF THE DIE USED TO MAKE THE CRIMP. USE TWO-HOLE CRIMPED CONNECTORS FOR BONDING AND GROUNDING CONNECTIONS ON CONDUCTORS LARGER THAN # 8 AWG. ALL COMPRESSION CONNECTORS (FOR CABLE SIZES NO. 1/0 AWG AND LARGER) WILL HAVE AN INSPECTION HOLE BETWEEN THE TANG AND BARREL OF THE CONNECTOR BEFORE THE CRIMPS ARE MADE.
- ALL GROUNDING CONNECTIONS SHALL BE MADE IN THE PRESENCE OF OWNER'S CONSTRUCTION REPRESENTATIVE. REMOVE AFTER CRIMPING, ALL FLASHES, BURRS, OR SHARP EDGES RESULTING FROM THE CRIMPING PROCESS.
- PLASTIC OR METALLIC STRAPS SHALL BE USED TO SECURE GROUND CONDUCTOR EVERY 18" HORIZONTALLY AND 9" VERTICALLY TO THE BUILDING COLUMNS, CEILINGS OR WALLS. IF METALLIC STRAPS ARE USED THEY MUST BE OF THE TYPE WHICH DOES NOT COMPLETELY ENIRCLE THE CONDUCTOR. DO NOT USE EXISTING CONDUIT, CABLE TRAY OR ANY OTHER EXISTING MECHANICAL DUCT TO SECURE GROUND CONDUCTOR. REFER TO STRAP DETAILS ON THIS SHEET FOR EXACT REQUIREMENTS.
- ALL GROUNDING CONDUCTORS WITHIN THE BUILDING SHALL BE INSULATED GREEN COLOR, COPPER, RHH-L3 SIZE AS NOTED, UNLESS INDICATED OTHERWISE ON THE FLOOR PLAN DRAWING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. SUBMIT CUT SHEET FOR REVIEW.
- ALL CRIMP CONNECTIONS SHALL BE COATED WITH A CORROSION PREVENTATIVE COMPOUND "GREASE NON-OXIDE" AS MANUFACTURED BY: YJASA EXIDE, CALL 1-630-920-4440 FOR LOCAL DISTRIBUTOR.
- ALL GROUNDING CONDUCTORS SHALL BE RUN EXPOSED WITHIN THE BUILDING WHENEVER PRACTICAL. CONDUCTORS SHOULD NOT BE RUN CONCEALED IN SLABS, COLUMNS, OR WALLS. USE PVC SLEEVES WHERE GROUND CONDUCTOR PENETRATES WALLS OR FLOOR SLABS.
- PACK OPENINGS AROUND GROUND CONDUCTOR PENETRATIONS OF FLOOR SLABS OR WALLS WITH FIRE RETARDANT MATERIAL. REFER TO PENETRATION DETAILS ON ARCHITECTURAL DRAWINGS AND SPECIFICATION.
- PROVIDE NEW TELEDYNE PENN-UNION TYPE GPL BRONZE GROUND CLAMP OR EQUAL BY BURNDY FOR NEW GROUND CONDUCTOR FOR CONNECTIONS TO SUIT EXISTING WATER PIPE. NEW GROUND CONDUCTOR SHALL BE CONNECTED AHEAD OF WATER METER ON INCOMING MAIN CITY WATER PIPE, WHERE APPLICABLE. REFER TO DETAIL 6.
- ALL GROUND CONDUCTOR CONNECTIONS TO ELECTRICAL EQUIPMENT SHALL BE MADE IN ACCORDANCE WITH THE "NATIONAL ELECTRIC CODE" 2023 EDITION.
- PROVIDE GROUND CONDUCTOR AT MAIN WATER PIPE TERMINATION POINT, "DO NOT DISCONNECT" WITH BRASS TAG.
- FOR CABLE TO CABLE CONNECTION, USE HYDRAULIC COPPER COMPRESSION TYPE H-TAP CONNECTOR. T&B CATALOG #CHT750350-2 OR EQUAL BY BURNDY. REFER TO DETAIL 3.
- ALL BENDS ON GROUND CONDUCTOR SHALL HAVE A MINIMUM RADIUS OF 1 FOOT, UNLESS NOTED OTHERWISE.
- ALL GROUND CONDUCTORS FOR CO GROUND RISER AND RELATED INSTALLATION SHALL BE GREEN INSULATED AND PURCHASED FROM SOUTHWIRE RHH-L3 (800) 444-1700 OR (513) 228-1010, OR AMERICAN INSULATED WIRE COMPANY, UNLESS OTHERWISE NOTED.
- COORDINATE ANY REMOVAL OF GROUNDING CONDUCTORS WITH OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO ANY REMOVAL. ALL EXISTING GROUND CONNECTORS SHALL REMAIN UNTIL NEW GROUNDING AND THE RELATED NEW INSTALLATION WORK IS COMPLETED, TESTED, AND OPERATIONAL.
- PROVIDE TAGS ON ALL GROUNDING CONDUCTOR TERMINATION POINTS WITH "DO NOT DISCONNECT" LABELS. ALL TAGS AT GROUND BAR TERMINATIONS SHALL BE SECURED WITH CORD; TIE WRAPS SHALL NOT BE USED. SEE GROUND CONDUCTOR TERMINATION SCHEDULE ON SHEET E60001 FOR DETAILS.
- NEW GROUNDING CONNECTION SHALL BE WITH 2-HOLE CRIMP COMPRESSION TYPE BOLTED TONGUE LONG BARREL CONNECTOR, TIN PLATED COPPER AND SHALL BE LISTED FOR THEIR INTENDED USE BY AN NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). HARDWARE KIT SHALL BE WEATHER RESISTED SILICON BRONZE, 3/8" HEXAGON HEAD BOLTS AND NUTS WITH EXTERNAL TOOTH LOCKWASHERS PLACED BOTH ENDS, BETWEEN THE CONNECTOR AND BOLT HEAD AND BETWEEN THE LOCKING-NUT AND THE EQUIPMENT SURFACE TO WHICH IT IS SECURED TO ENDS. CRIMPING SHALL BE WITH DIES SPECIFIED BY THE MANUFACTURER OF THE CONNECTOR. IF A CONNECTOR IS TO BE SECURED DIRECTLY TO A PAINTED SURFACE, THE PAINT SHALL BE REMOVED TO REVEAL BARE METAL COMPLETELY AROUND AREA OF THE COMPLETED CONNECTION. A THIN LAYER OF A CORROSION PREVENTIVE COMPOUND SUCH AS NO-OX-ID "A" SHALL BE APPLIED TO THE BARE METAL SURFACE. USE ZINC SPRAY COATING FOR ANY DRILLED HOLES. REFER TO GROUNDING NOTES AND DETAILS ON SHEET E60001.
- GROUND TEMP FUEL TANK PER MANUFACTURER REQUIREMENTS. PREPARE EQUIPMENT SURFACE FOR PROPER GROUNDING CONNECTION. CAUTION: "DO NOT WELD" WITH FUEL IN TANK. COORDINATE EXACT REQUIREMENTS WITH FUEL CONTRACTOR PRIOR TO ANY WORK. "DO NOT" EXOTHERMIC WELD IF EQUIPMENT STEEL IS LESS THAN 0.040 THICK. USE 2-HOLE CRIMP COMPRESSION TYPE BOLT TONGUE LONG BARREL CONNECTORS. REFER TO NOTE-4 ABOVE.

7 GROUND ROD DETAIL
N.T.S



PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN

CONSULTANT STAMP
STATE OF MICHIGAN
5/13/23
RAYMOND S. BUHAY
ENGINEER
No. 6201064206
LICENSED PROFESSIONAL ENGINEER

DET-24002045-A4

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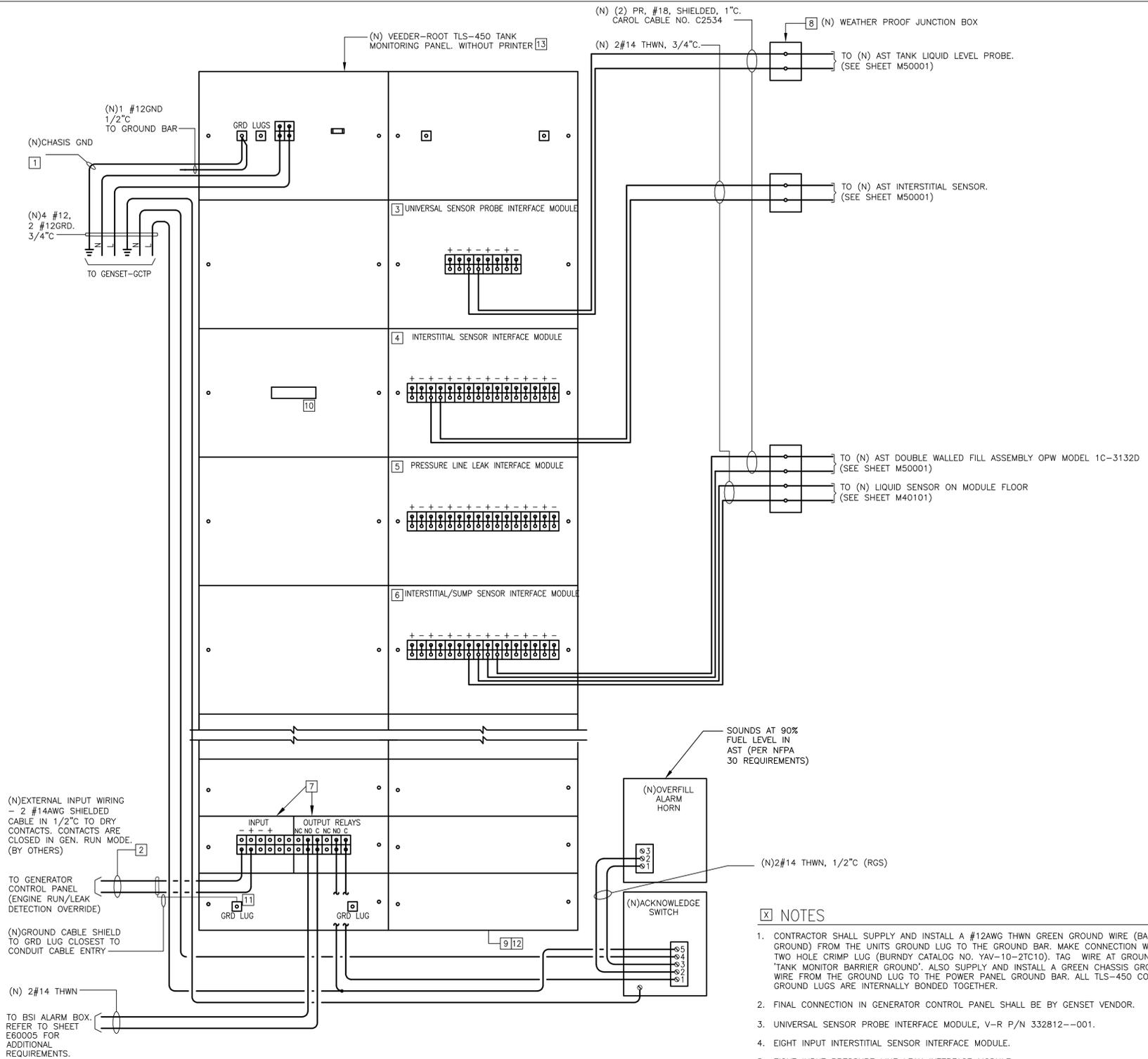
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PROJECT_DRAWING
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMM 111436.01 M18255

SHEET TITLE:
GROUNDING DETAILS ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM SHEET: - OF: - SHEETS	CHECKED BY: PN/ND SHEET NO.
	AT&T DRAWING NO.: 2001272E60002	E60002



NOTES

1. CONTRACTOR SHALL SUPPLY AND INSTALL A #12AWG THWN GREEN GROUND WIRE (BARRIER GROUND) FROM THE UNITS GROUND LUG TO THE GROUND BAR. MAKE CONNECTION WITH A TWO HOLE CRIMP LUG (BURNDY CATALOG NO. YAV-10-2TC10). TAG WIRE AT GROUND BAR "TANK MONITOR BARRIER GROUND". ALSO SUPPLY AND INSTALL A GREEN CHASSIS GROUND WIRE FROM THE GROUND LUG TO THE POWER PANEL GROUND BAR. ALL TLS-450 CONSOLE GROUND LUGS ARE INTERNALLY BONDED TOGETHER.
2. FINAL CONNECTION IN GENERATOR CONTROL PANEL SHALL BE BY GENSET VENDOR.
3. UNIVERSAL SENSOR PROBE INTERFACE MODULE, V-R P/N 332812--001.
4. EIGHT INPUT INTERSTITIAL SENSOR INTERFACE MODULE.
5. EIGHT INPUT PRESSURE LINE LEAK INTERFACE MODULE.
6. EIGHT INPUT INTERSTITIAL/SUMP LIQUID SENSOR INTERFACE MODULE.
7. TWO INPUT/TWO RELAY OUTPUT INTERFACE MODULE (3 REQUIRED).
8. (N) WEATHERPROOF JUNCTION BOX WITH CONDUIT & WIRING TO NEW VEEDER ROOT LOCATION.
9. INSTALL CONDUIT AND WIRING FOR THE VEEDERROOT TLS-450 TANK MONITOR. REFER TO VEEDERROOT TLS-450 MONITORING INSTALLATION MANUAL FOR PANEL CONFIGURATION AND CONDUIT ENTRY LOCATIONS.
10. SITE FAX/MODEM VEEDER-ROOT PART NO. 332818--001 WITH (2) RJ-11C SNAP-IN JACKS WIRE, CONDUIT, CONEXUS CABLING AND PROGRAMMING BY AT&T. CONTRACTOR SHALL COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
11. ALL SHIELDED CABLES IN THE VEEDER-ROOT PANEL SHALL BE COMBINED AND TERMINATED AT THE GROUND LUG. ALL SHIELDS AT THE END AWAY FROM THE VEEDER-ROOT PANEL SHALL BE CUT CLEAN AT THE OUTER SHEATH AND HEAT SHRINK TUBING APPLIED OVER CABLE END TO PREVENT GROUND AND RF DISTORTION.
12. ADHERE TO THE VEEDER-ROOT INSTALLATION MANUAL. ANY DEVIATIONS SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
13. PANEL SHALL BE FIELD PROGRAMMED FOR NEW GENSET RUN INPUT SIGNAL TO DISABLE LEAK DETECTION WHEN GENSET IS RUNNING.

1 FUEL TANK MONITORING SYSTEM FUEL ALARM WIRING

GENERAL NOTES:

1. ALL CONDUIT AND WIRING ON THIS WIRING DIAGRAM SHALL BE NEW.
2. ALL EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL CONDUIT (RGS).
3. REMOVE ALL CONDUITS AND WIRING FROM EXISTING VEEDER ROOT PANEL (IN BASEMENT) TO EXISTING UNDERGROUND UST. AFTER NEW VEEDER ROOT SYSTEM IS INSTALLED, TESTED, AND OPERATIONAL.
4. COORDINATE, INSTALL, CONNECTIONS AND TEST PER MANUFACTURER'S REQUIREMENTS.
5. LABEL ALL WIRING AT BOTH ENDS AND SUBMIT AS-BUILT DRAWINGS.
6. ALL TESTING SHALL BE IN FRONT OF AT&T TECHNICAL SUPPORT AND MANUFACTURER REPRESENTATIVES.
7. SUBMIT A WRITTEN APPROVAL OF SYSTEM COMPLIANCE FOR RECORDS.
8. ROUTE ALL CONDUIT TO NEW AST WITH FUEL PIPING. COORDINATE WITH FUEL CONTRACTOR AND OWNER'S CONSTRUCTION REPRESENTATIVE.

PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN
DET-24002045-A4

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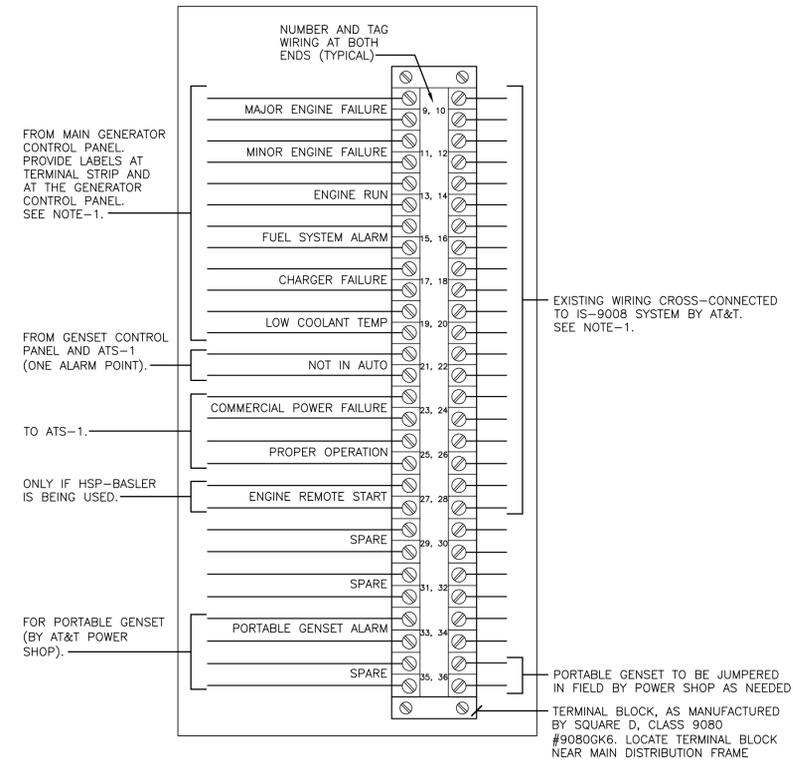
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SHEET TITLE:
FUEL SYSTEM WIRING DIAGRAM ELECTRICAL

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM SHEET: - OF: - SHEETS	CHECKED BY: PN/ND SHEET NO.
	AT&T DRAWING NO.: 2001272E60004	E60004

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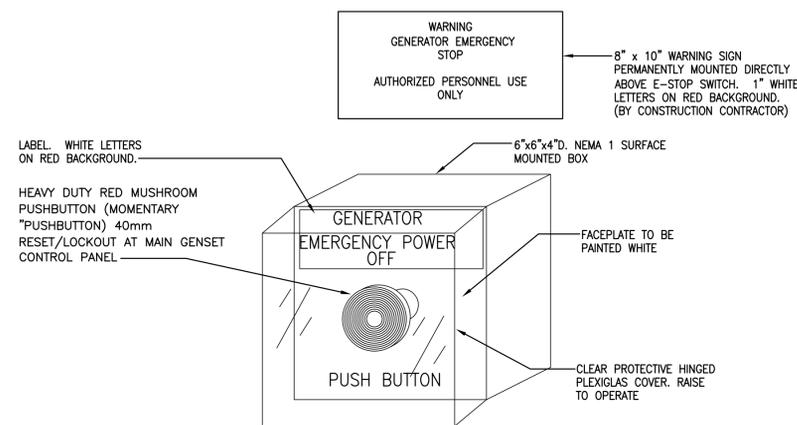


1 GENSET ALARM BSI TERMINAL CABINET DETAIL

NTS

NOTES:

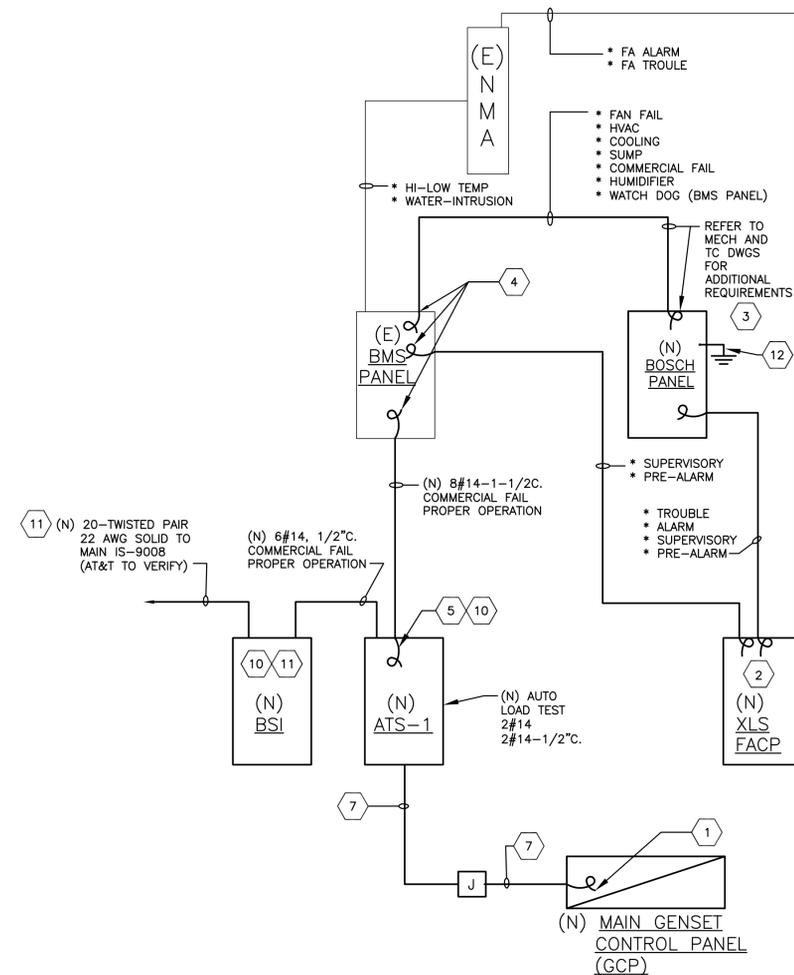
- COORDINATE INSTALLATION OF NEW ALARM WIRING AND TERMINATION WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE, AT&T PROJECT MANAGER AND CO MANAGER. REFER TO SHEET E10104 & E60003 FOR ADDITIONAL REQUIREMENTS.
- WIRING TERMINATION NUMBERS INDICATED ARE TO SHOW DESIGN INTENT ONLY, IF NECESSARY PROVIDE TERMINAL NUMBERS IN A CHRONOLOGICAL ORDER TO ACCOMMODATE NUMBERS ON THE EXISTING TERMINAL STRIP.
- INSTALL ALARM TERMINAL STRIP IN NEMA-1 ENCLOSURE WITH FULLY HINGED DOOR.



NOTE: EPO SWITCH SHALL BE MOMENTARY "PUSH-BUTTON" TYPE AND SURFACE MOUNTED AT 52" ABOVE FINISHED FLOOR. THIS EPO SWITCH SHALL BE WIRED SO THAT IT COMPLETELY SHUTS-DOWN THE RESPECTIVE GENERATOR. PROVIDE ALL REQUIRED WIRING IN 1/2" CONDUIT BETWEEN THIS EPO STATION AND RESPECTIVE GENERATOR SHUT-OFF SIGNAL TERMINAL BLOCK/RELAYS. EPO STATION SHALL BE MANUFACTURED BY PILLA OR APPROVED EQUAL ELECTRICAL PRODUCTS, INC. MODEL #ST120ES0N1-PILCLHCOV1, TEL. (904) 396-7371. SEE DRAWING G002 FOR ADDITIONAL REQUIREMENTS.

2 MOMENTARY EMERGENCY STOP PUSH-BUTTON DETAIL

NTS



3 LOW VOLTAGE ALARM WIRING DIAGRAM

NTS

DETAIL NOTES:

- COIL 10'-0". FINAL CONNECTION BY GENSET CONTRACTOR AT&T REPRESENTATIVE PAUL ANTKOWIAK, AND COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
- COIL 10'-0". FINAL CONNECTION BY SIEMENS REPRESENTATIVE. COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE. REFER TO 'D' SERIES DRAWINGS.
- COIL 10'-0". FINAL CONNECTION BY BOSCH CERTIFIED REPRESENTATIVE. COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
- COIL 10'-0". FINAL CONNECTION BY BMS CONTRACTOR. COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
- COIL 10'-0". FINAL CONNECTION BY RUSSELECTRIC REPRESENTATIVE. COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
- TAG ALL WIRING AT BOTH ENDS. SUBMIT AS-BUILT WIRING DIAGRAM WITH WIRE TAG INFORMATION.
- REFER TO CONTROL WIRING DIAGRAM ON SHEET E60003 FOR ADDITIONAL REQUIREMENTS.
- ALL CONDUIT SHALL BE MINIMUM 3/4" UNLESS NOTED OTHERWISE.
- REFER TO 'D' SERIES DRAWINGS FOR WIRING AND ADDITIONAL REQUIREMENTS.
- COIL 10'-0" FINAL CONNECTION BY AT&T REPRESENTATIVE PAUL ANTKOWIAK & AT&T 'GNFO'. COORDINATE WITH OWNER'S CONSTRUCTION REPRESENTATIVE.
- COORDINATE EXACT REQUIREMENTS WITH OWNER'S CONSTRUCTION REPRESENTATIVE AND AT&T BUILDING NETWORK REPRESENTATIVES.
- GROUNDING SHALL BE PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL TRACE, VERIFY CONNECTION AND MODIFY PER MANUFACTURER'S REQUIREMENTS.

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SHEET TITLE: DETAILS ELECTRICAL	
AT&T PROJECT NUMBER: 2001272	DATE: _____ SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM CHECKED BY: PN/ND
	SHEET: - OF: - SHEETS SHEET NO.
	AT&T DRAWING NO.: 2001272E60005 E60005

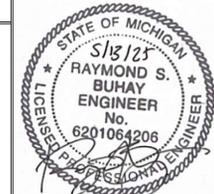
NEW CTP-1 PANEL SCHEDULE

VOLTAGE: 120/208V		MOUNTING: SURFACE			LOCATION: EQUIPMENT AREA 101			
AMPS: 100A MLO		PHASE: 3		WIRE: 4		AIC: 22K FULLY RATED		
#	LOAD DESCRIPTION	BKR/P	LOAD		LOAD	BKR/P	LOAD DESCRIPTION	#
1	PORT. BATTERY HEATER	20/1P	1500	A	1200	20/1P	VEEDER ROOT PANEL	2
3	PORT. BATTERY CHARGER	20/1P	1000	B	800	20/1P	FIRE ALARM PANEL (FACP)	4
5	BOSCH PANEL	20/1P	1000	C	-	20/1P	SPARE	6
7	SPARE	20/1P	-	A	-	20/1P	SPARE	8
9	SPARE	20/1P	-	B	-	20/1P	SPARE	10
11	SPARE	20/1P	-	C	-	20/1P	SPARE	12
A PHASE LOAD (KVA):		2.7		CONNECTED KVA:		5.5		
B PHASE LOAD (KVA):		1.8		DEMAND KVA:				
C PHASE LOAD (KVA):		1.0		CONNECTED AMPS:		15.3		

NAMEPLATE SCHEDULE (REFER TO SHEET N60001)

POS NO	FIRST LINE	SECOND LINE	THIRD LINE	REMARKS
1	UTILITY METER & CT CAB	SERVING	MAIN SWITCH	
2	MAIN SWITCH (350AF)	FED FROM C/T CAB	SERVING ATS-1	
3	BUILDING	SURGE ARRESTER (60AF)		
4	GENSET OUTPUT (350AT)	CKT BRKR	SERVING MTS-1/ATS-1	
5	PGCC	SERVING	MTS-1/ATS-1	
6	MTS-1	SERVING	ATS-1	
7	SOURCE#1	GENSET OUTPUT	CKT BRKR	
8	SOURCE#2	PGCC	-	
9	ATS-1	SERVING	MDP	
10	SOURCE#1	COMMERCIAL PWR	MAIN SWITCH	
11	SOURCE#2	MTS-1	GENSET/PGCC	
12	MDP	FED FROM	ATS-1	
13	MTS-2	(150AT)	-	
14	DP-A	(200AT)	-	
15	CTP-1	(60AT)	-	
16	GCTP	(100AT)	-	
17	SPARE	(100AT)	-	
18	-	-	-	
19	-	-	-	
20	-	-	-	
21	MTS-2	FED FROM	MDP	
22	DP-A	FED FROM	MDP	
23	CTP-1	FED FROM	MDP	
24	GCTP	FED FROM	MDP	
25	-	-	-	
26	-	-	-	
27	-	-	-	
28	-	-	-	
29	-	-	-	
30	PACU-1.1.1 COMP/COND	FED FROM	MTS-2/MDP	NOTE-7
31	PACU-1.1.1 SUPPLY FAN	FED FROM	DP-A	NOTE-7
32	PDSC-101	FED FROM	DP-A	NOTE-7
33	PDSC-102	FED FROM	DP-A	NOTE-7
34	AC UNIT	FED FROM	DP-A	NOTE-7
35	LP-A	FED FROM	DP-A	NOTE-7
36	PDSC-103	FED FROM	DP-A	NOTE-7
37	-	-	-	
38	-	-	-	
39	-	-	-	
40	-	-	-	
41	-	-	-	

- NOTES:
- NAMEPLATE SIZE UNLESS OTHERWISE SHOWN OR CALLED OUT IN SPECIFICATION, 3 1/2" WIDTH, 1 3/4" HEIGHT.
 - CHARACTER SIZE: TOP LINE LETTERS 3/8", BOTTOM TWO LINES LETTERS 3/16" IN HEIGHT.
 - USE ENGRAVED BAKELITE NAMEPLATES, WHITE LETTERS ON BLACK BACKGROUND. ATTACH NAMEPLATE TO ELEC. EQUIP. WITH SHEET METAL SCREWS.
 - SUBMIT A TYPED NAME PLATE SCHEDULE FOR REVIEW AND ACCEPTANCE BY AN ARCHITECT/ENGINEER.
 - COMPLY WITH SPECIFICATIONS FOR NAMEPLATES FOR SWGR., SUBSTATIONS, SWITCHBOARDS, AND MOTOR CONTROL CENTERS.
 - USE STAINLESS STEEL SCREWS FOR ALL NAMEPLATES.
 - REMOVE ANY EXISTING NAMEPLATES AND REPLACE WITH NEW WHERE NEW NAMEPLATE IS REQUIRED.
 - SIMILAR TO NOTE 3 EXCEPT, WHITE LETTERS ON RED BACKGROUND.
 - PROVIDE LABEL; CW OR CW. FIELD VERIFY PRIOR TO LABELING.
 - SIMILAR TO NOTE 3 EXCEPT, BLACK LETTERS ON YELLOW BACKGROUND.

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		CORPORATE REAL ESTATE
PROJECT_DRAWING		
59041 MAIN ST NEW HAVEN MI US NWHNMIM 111436.01 M18255		
SHEET TITLE: GCTP & NAMEPLATE SCHEDULES ELECTRICAL		
AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM	CHECKED BY: PN/ND
	SHEET: - OF: - SHEETS	SHEET NO.
	AT&T DRAWING NO.: 2001272E60006	E60006

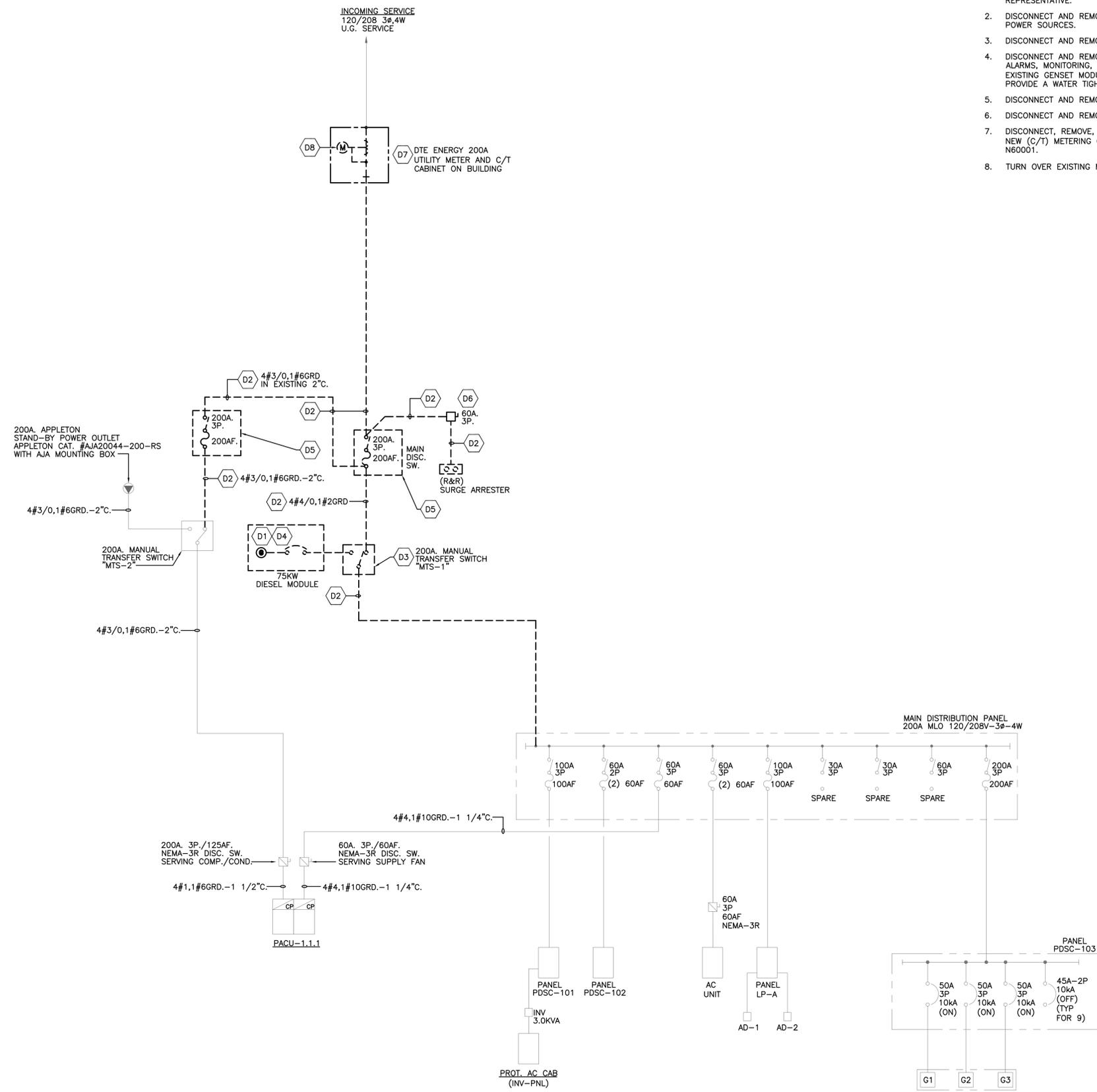
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KEY NOTES - DEMOLITION WORK:

1. REMOVAL OF THIS GENSET BY AT&T. THIS CONTRACTOR SHALL DISCONNECT (DE-ENERGIZE) AND COORDINATE POWER SHUTDOWNS WITH AT&T POWER MAINTENANCE SHOP, PROPERTY MANAGEMENT, AND OWNER'S CONSTRUCTION REPRESENTATIVE.
2. DISCONNECT AND REMOVE ALL EXISTING CONDUIT AND WIRING BACK TO POWER SOURCES.
3. DISCONNECT AND REMOVE EXISTING MTS.
4. DISCONNECT AND REMOVE ALL ASSOCIATED POWER, GROUNDING, CONTROLS, ALARMS, MONITORING, CONDUIT & WIRING BACK TO SOURCES FROM THE EXISTING GENSET MODULE. CUT ALL CONDUITS 0'-12" BELOW GRADE AND PROVIDE A WATER TIGHT CAP.
5. DISCONNECT AND REMOVE EXISTING FUSIBLE DISCONNECT SWITCH.
6. DISCONNECT AND REMOVE DISCONNECT SWITCH.
7. DISCONNECT, REMOVE, REPLACE AND RECONNECT EXISTING CONDUCTORS TO NEW (C/T) METERING CABINET. REFER TO NEW WORK ONE LINE DIAGRAM ON N60001.
8. TURN OVER EXISTING METER AND C/T'S TO DTE ENERGY REPRESENTATIVE.

GENERAL NOTES:

- A. ALL EQUIPMENT SHOWN ON THE ONE-LINE DIAGRAM IS EXISTING UNLESS NOTED OTHERWISE.
- B. EXISTING EQUIPMENT SHOWN MAY NOT REFLECT EXISTING CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING ELECTRICAL DISTRIBUTION SYSTEM AS APPLICABLE, PRIOR TO DOING ANY WORK OR MAKING ANY MODIFICATION TO THE SYSTEM.
- C. EXP ASSUMED THAT ALL EXISTING TO REMAIN EQUIPMENT AND ITS INSTALLATION ARE CODE COMPLIANT. CONTRACTOR SHALL NOTIFY IMMEDIATELY OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES FOUND DURING CONSTRUCTION.
- D. COORDINATE ALL DEMOLITION AND NEW WORK WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT A PROJECT PHASING SCHEDULE TO OWNERS CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL.
- E. COORDINATE ALL PLANNED POWER SHUTDOWNS TO THE EXISTING POWER DISTRIBUTION SYSTEM WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE. SUBMIT SHUT-DOWN SCHEDULE TO OWNERS CONSTRUCTION REPRESENTATIVE FOR REVIEW AND APPROVAL WITH MINIMUM (2) WEEKS IN ADVANCE.
- F. INCLUDE COST OF ALL REQUIRED PLANNED POWER SHUTDOWNS AND COORDINATION WITH PROPERTY MANAGEMENT, AT&T POWER MAINTENANCE SHOP AND UTILITY COMPANY, AS REQUIRED.
- G. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING.



1 ONE-LINE DIAGRAM - DEMOLITION WORK

NTS

THE EXISTING EQUIPMENT SHOWN ON ONE-LINE DIAGRAM MAY NOT REFLECT EXISTING CONDITIONS. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING ELECTRICAL DISTRIBUTION SYSTEM AS APPLICABLE PRIOR TO ANY POWER SHUT-DOWNS. ADDING NEW LOADS OR MAKING ANY MODIFICATIONS TO THE EXISTING POWER DISTRIBUTION SYSTEM.

PROJECT NAME:
NEW HAVEN CDO - GENERATOR DESIGN
DET-24002045-A4

CONSULTANT STAMP
STATE OF MICHIGAN
5/13/23
RAYMOND S. BUHAY
ENGINEER
No. 6201064206
LICENSED PROFESSIONAL ENGINEER

exp U.S. Services Inc.
1-1 248.351.8200 | 1-1 248.351.8250
27777 Franklin Road
Suite 1510
Southfield, MI 48034
U.S.A.
www.exp.com

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

REVISIONS / AUTHORIZATIONS

NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

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PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION
WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR
BUILDINGS, CONSTRUCTION, AND/ OR ZONING CHANGES.

AT&T CORPORATE REAL ESTATE
PROJECT_DRAWING

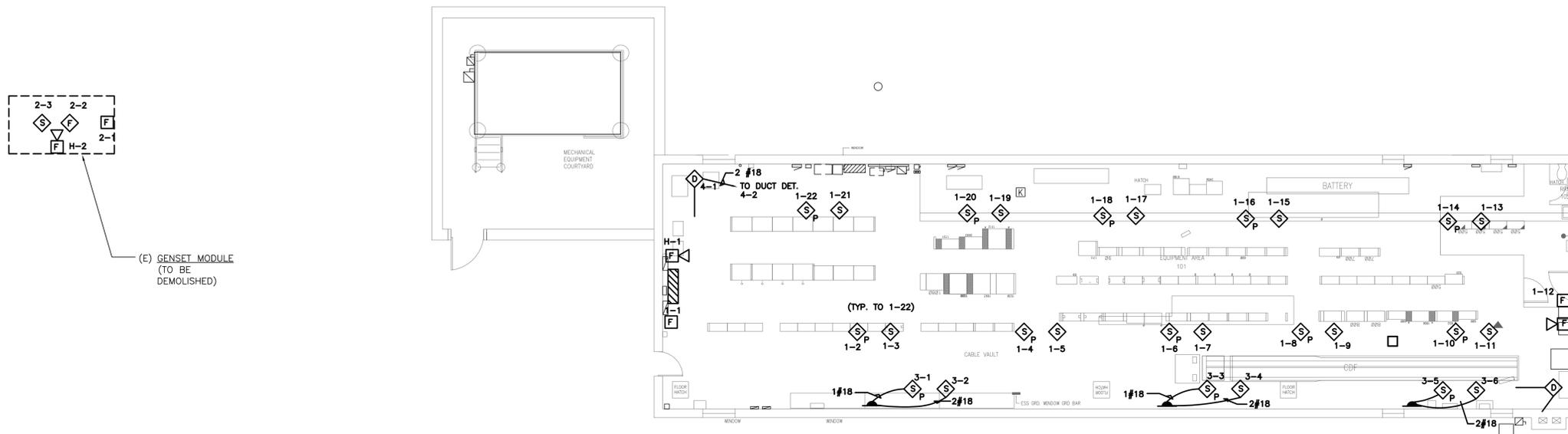
59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMM 111436.01 M18255

ONE LINE DIAGRAM - DEMO
ONE LINE DIAGRAM

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: N/A
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: SM CHECKED BY: PN/ND	SHEET: -- OF: -- SHEETS SHEET NO.
	AT&T DRAWING NO.: 2001272N60000D	N60000D

GENERAL NOTES:

- A. ALL FIRE ALARM DEVICES SHOWN LIGHT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. REFER TO KEY NOTES.
- B. ALL FIRE ALARM DEVICES OR CONDUIT SHOWN DARK IS NEW.
- C. CONTRACTOR SHALL COORDINATE ALL CORING, PATCH & PAINT (TO MATCH EXISTING) IN ALL AREAS AFFECTED BY DEMOLITION OR NEW WORK WITH ARCHITECTURAL TRADES.
- F. CONTRACTOR SHALL COORDINATE ALL ROUTING OF PIPING AND DEVICES WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL TRADES AND OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION.
- E. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND SCOPE OF WORK PRIOR TO BIDDING.
- F. FIRESTOP ALL FLOOR & WALL PENETRATIONS.
- G. CONTRACTOR SHALL REUSE EXISTING WIRING WHERE POSSIBLE AND ENSURE CONTINUITY ON REMOVED DEVICES.



EXP APPROVES THESE INSTALLATION DRAWINGS FOR CONSTRUCTION.

PROJECT NAME:	
NEW HAVEN CDO - GENERATOR DESIGN	
DET-24002045-A4	

CONSULTANT STAMP

FIRE ALARM CONTRACTOR



VANGUARD FIRE & SECURITY SYSTEMS, INC.
 28287 Beck Road, Suite D-16
 Wilkom, Michigan 48393
 PH: (800) 826-8577 FX: (248) 449-4863

REVISIONS / AUTHORIZATIONS

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	PERMIT AND CONSTRUCTION	05/15/25	
	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

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DRAWINGS PREPARED FOR



AT&T CORPORATE REAL ESTATE

PROJECT_DRAWING

59041 MAIN ST
 NEW HAVEN
 MI US
 NWHNMIMN 111436.01 M18255

SHEET TITLE:
**FIRST FLOOR PLAN - DEMO WORK
 FIRE ALARM**

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: 1/8" = 1'-0"
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: RO CHECKED BY: DW	SHEET: - OF: - SHEETS SHEET NO.
AT&T DRAWING NO.: 2001272D10101D		D10101D

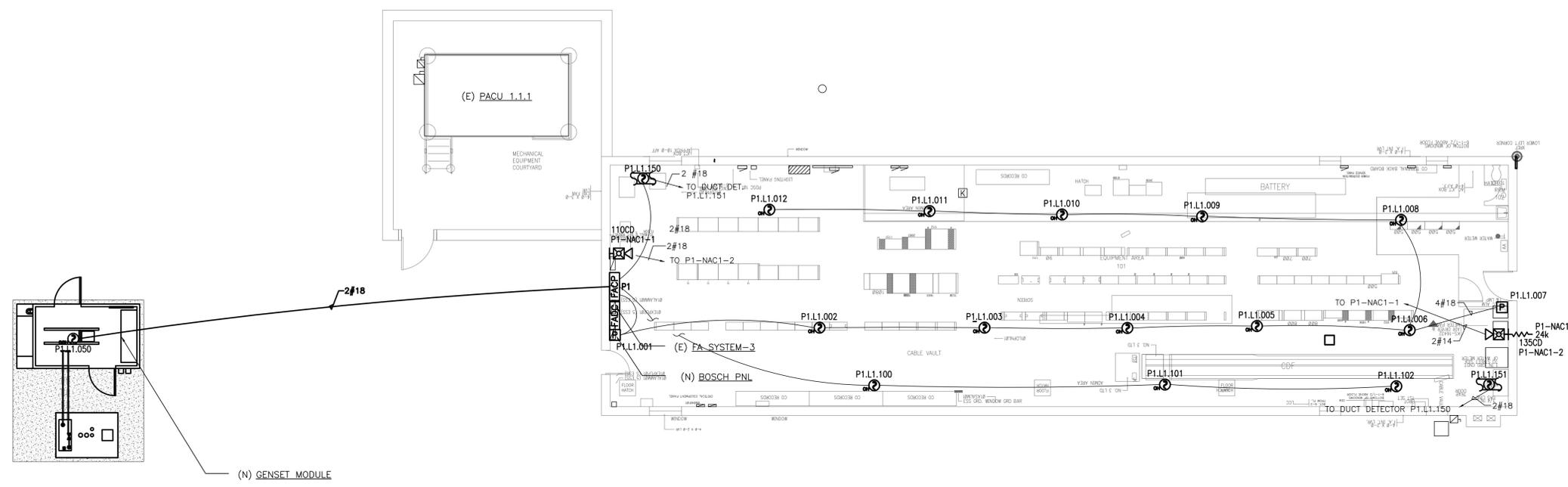
1 FIRST FLOOR PLAN - DEMO WORK
 1/8" = 1'-0"



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GENERAL NOTES:

- A. ALL FIRE ALARM DEVICES SHOWN LIGHT ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE. REFER TO KEY NOTES.
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- F. FIRESTOP ALL FLOOR & WALL PENETRATIONS.
- G. CONTRACTOR SHALL REUSE EXISTING WIRING WHERE POSSIBLE AND ENSURE CONTINUITY ON REMOVED DEVICES.



1 FIRST FLOOR PLAN - NEW WORK
1/8" = 1'-0"

EXP APPROVES THESE INSTALLATION DRAWINGS FOR CONSTRUCTION.

PROJECT NAME:	
NEW HAVEN CDO - GENERATOR DESIGN	
DET-24002045-A4	

CONSULTANT STAMP

FIRE ALARM CONTRACTOR



VANGUARD FIRE & SECURITY SYSTEMS, INC.
28287 Beck Road, Suite D-16
Wilkom, Michigan 48393
PH: (800) 826-8577 FX: (248) 449-4863

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	FINAL REVIEW #2	04/18/25	
	FINAL REVIEW	03/18/25	
	50% REVIEW	12/17/24	

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DRAWINGS PREPARED FOR



AT&T CORPORATE REAL ESTATE

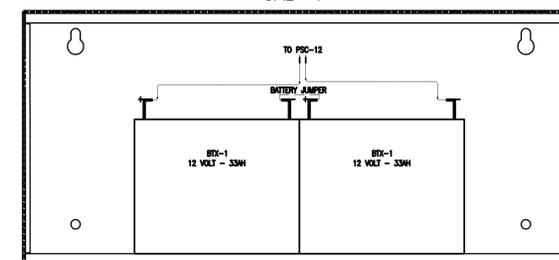
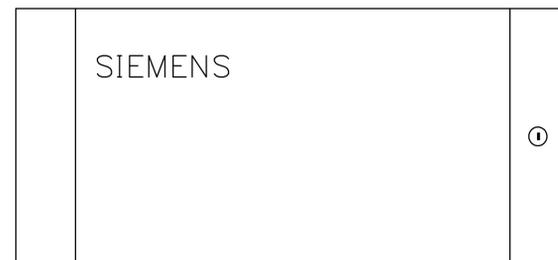
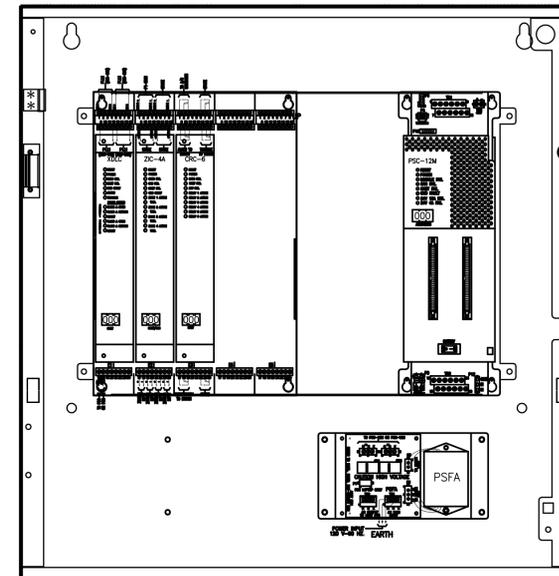
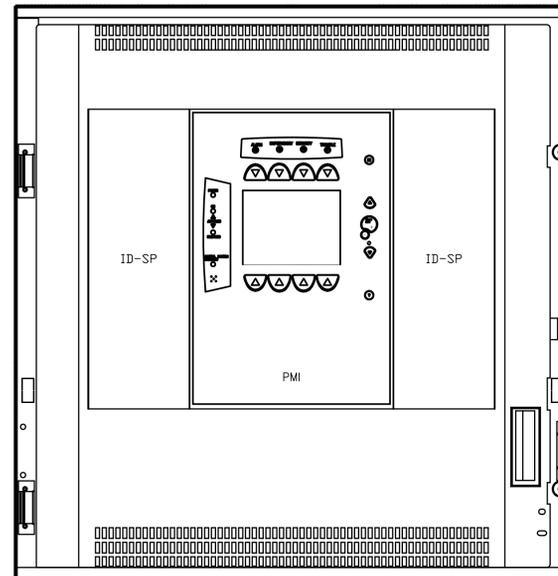
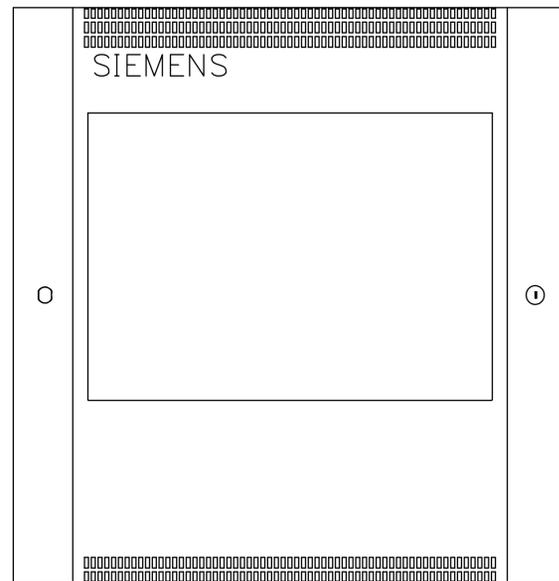
PROJECT_DRAWING

59041 MAIN ST
NEW HAVEN
MI US
NWHNMIMN 111436.01 M18255

SHEET TITLE:
**FIRST FLOOR PLAN - NEW WORK
FIRE ALARM**

AT&T PROJECT NUMBER: 2001272	DATE:	SCALE: 1/8" = 1'-0"
AT&T AUTHORIZATION: AIMEE BUTLER	DRAWN BY: RO	CHECKED BY: DW
	SHEET: - OF: - SHEETS	SHEET NO.
	AT&T DRAWING NO.: 2001272D10101	D10101

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05-15-2025 09:50:20 (XREF) E:\DET\DET-24002045-AA\60_Execution\65_Drawings\Common Content\M182551TB.dwg



1 FIRE ALARM CONTROL PANEL DETAIL

NOT TO SCALE

EXP APPROVES THESE INSTALLATION DRAWINGS FOR CONSTRUCTION.

PROJECT NAME:	
NEW HAVEN CDO - GENERATOR DESIGN	
DET-24002045-A4	
CONSULTANT STAMP	

FIRE ALARM CONTRACTOR

VANGUARD FIRE & SECURITY SYSTEMS, INC.
 28287 Beck Road, Suite D-16
 Wixom, Michigan 48393
 PH: (800) 826-8577 FX: (248) 449-4863

REVISIONS / AUTHORIZATIONS			
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DRAWINGS PREPARED FOR

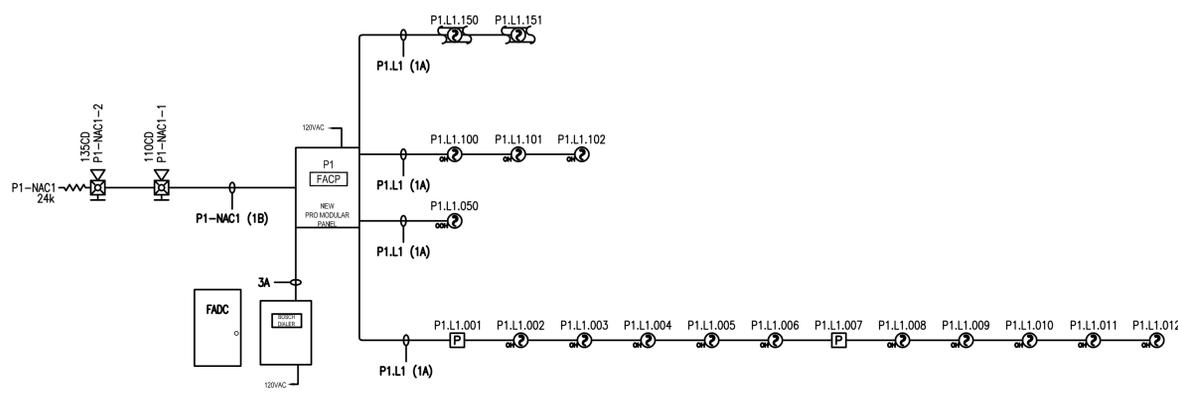
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PROJECT_DRAWING

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 MI US
 111436.01 M18255

RISER AND DETAILS FIRE ALARM

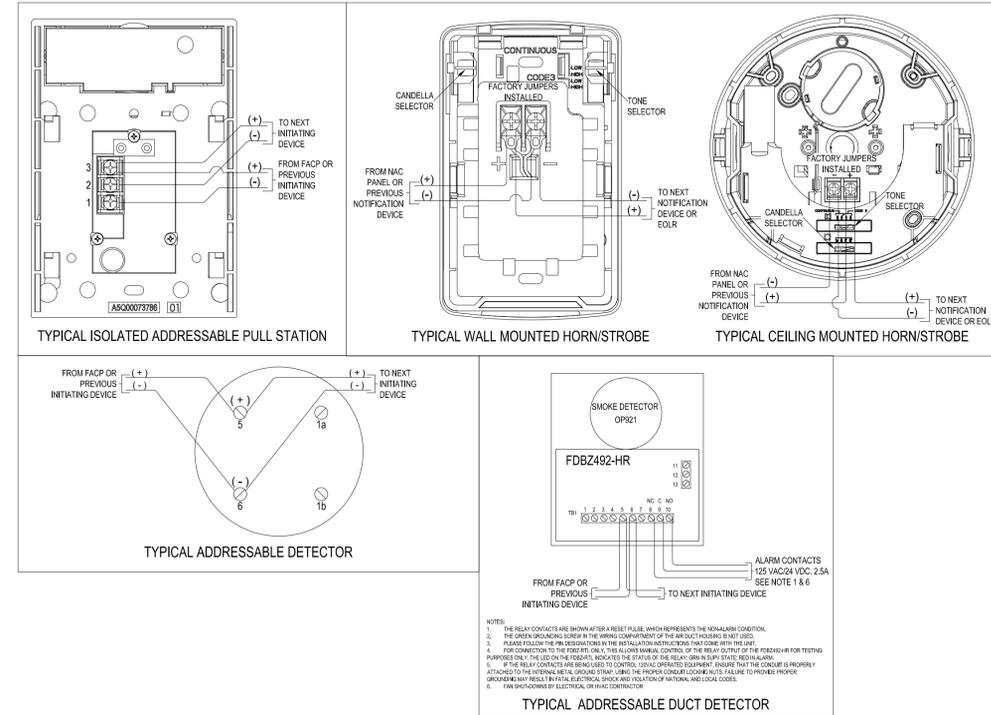
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AIMEE BUTLER	RO	DW
AT&T DRAWING NO.:	SHEET:	OF:
2001272D50001		
	SHEETS:	SHEET NO.:
		D50001



WIRE LEGEND	
A=	1PR. #18 AWC
B=	1PR. #14 AWC

2 FIRE ALARM RISER

NOT TO SCALE



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Proposed New Drive Thru Canopy Extension and Entry Alterations for: Extra Credit Union - New Haven, MI

59010 Gratiot Avenue New Haven, Michigan 48048

PREPARED FOR:

GJ Perelli Construction for:
Extra Credit Union
59010 Gratiot Avenue,
New Haven, MI 48048

PREPARED BY:

MACDONELL ASSOCIATES ARCHITECTS
312 E. LIBERTY ST.
MILFORD, MI 48381
(248) 302-0158

CRAIG MACDONELL AIA NCARB #1301035158 (ARCHITECT IN RESPONSIBLE CHARGE)

SURVEY / ENGINEERING PREPARED BY:

Urban Land Consultants, LLC
8800 23 Mile Road
Shelby Township, MI 48316
Phone: 586-731-8030

LANDSCAPING PREPARED BY:

NOT APPLICABLE AS NO EXISTING AREAS ARE BEING CHANGED.

RETAIL DESIGN PREPARED BY:

Steve Bacon DSA, RDI - CUMO Designs, LLC
36989 Fox Glen
Farmington Hills, MI 48331 USA
C: (248) 410 4485
sbacon@cumodesigns.com

PROPOSED USE:

THE PROPOSED PROJECT IS TO CONSTRUCT A NEW DRIVE THRU CANOPY EXTENSIONS AND ALTERATIONS TO UPDATE THE MAIN ENTRY FOR EXTRA CREDIT UNION

GOVERNING MUNICIPALITY:

VILLAGE OF NEW HAVEN
57775 Main Street
New Haven, Michigan 48048
Phone: (586) 749-5301
Fax: (586) 749-9055

GENERAL INFORMATION:

ANY POSSIBLE GENERATION OF DUST, ODOR, SMOKE, FUMES, NOISE, LIGHTS, ETC.

NO



LOCATION AERIAL

OUTDOOR STORAGE:
OUTDOOR STORAGE IS NOT PROPOSED ON THE SITE.

ALL SITE LIGHTING IS EXISTING AND IS AS ORIGINALLY APPROVED AND NOT ENROACH UPON ABUTING PROPERTIES OR RIGHT OF WAYS. ALL GLARE SHALL BE ELIMINATED FROM ALL LIGHT FIXTURES.

ALL LANDSCAPED AREAS ARE EXISTING AND SHALL REMAIN AUTOMATICALLY IRRIGATED.

ALL TRASH WILL BE REMOVED OFF SITE BY 3RD PARTY TRASH SERVICE FOR SECURITY REASONS.

MECHANICAL SYSTEM HVAC:
ALL HVAC FOR THE EXISTING CREDIT UNION IS EXISTING.
NO NEW ROOF TOP UNITS WILL BE PART OF THIS PROJECT.

Registered Design Professional in Responsible Charge:
Craig MacDonell AIA NCARB #1301035158

Deferred Submittals:
NO DEFERRED SUBMITTALS

LEGAL DESCRIPTION

PARCEL 1:
REFER TO SURVEY AND CIVIL ENGINEERING DOCUMENTS AS PREPARED BY URBAN LAND ASSOCIATES FOR LEGAL DESCRIPTION.

SPA SHEET INDEX:		
GENERAL:		PREPARED BY:
CS-001	COVER SHEET / SHEET INDEX	MACDONELL ASSOCIATES
CIVIL ENGINEERING AND LANDSCAPE:		
1	PLAN OF CIVIL ENGINEERING	URBAN LAND ASSOCIATES
2	FIRE TRUCK TURNING SIMULATION PLAN	
2	PLAN OF EXISTING CONDITIONS - SURVEY	
ARCHITECTURAL:		
AS-100	ARCHITECTS SITE PLAN W/ DETAILS	MACDONELL ASSOCIATES
LS-100	EXISTING LANDSCAPE PLAN - FORMER RITE AID	
A-210	EXISTING / PROPOSED 1ST FLOOR PLAN	
A-301	EXISTING / PROPOSED EXTERIOR ELEVATIONS	
A-302	EXISTING / PROPOSED EXTERIOR ELEVATIONS	
SITE PHOTOMETRIC STUDY:		
	SITE PHOTOMETRIC STUDY	CLARUS DEFERRED SUBMITTAL
CUMO DESIGNS RETAIL DESIGNER:		
1	PHOTOGRAPHIC OVERLAY RENDERING	CUMO DESIGNS

AUTHORIZED SIGNATURE _____ DATE _____

TITLE _____ COMPANY _____

BY SIGNING ABOVE, THE OWNER / AUTHORIZED REPRESENTATIVE ACKNOWLEDGES THAT THE DESIGN INFORMATION IN THIS DRAWING IS ACCEPTABLE AND REPRESENTS THE APPROVED DESIGN. ANY OWNER REQUESTED DESIGN CHANGES MADE AFTER THE ABOVE DATE MAY BE SUBJECT TO ADDITIONAL DESIGN FEES. NO CHANGES WILL BE MADE WITHOUT THE EXPRESS WRITTEN DIRECTION AND AUTHORIZATION OF THE OWNER / AUTHORIZED REPRESENTATIVE.



CONSULTANT:

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PROJECT: NEW BRANCH ALTERATIONS FOR: EXTRA CREDIT UNION, 59010 GRATIOT AVE, NEW HAVEN, MICHIGAN 48048 (586) 276-3000
OWNER: EXTRA CREDIT UNION, 59010 GRATIOT AVE, NEW HAVEN, MICHIGAN 48048 (248) 646-1717
CONTACT: GARY PERELLI CONTRACTOR

ISSUED FOR: OWNER REVIEW, SPA REVIEW, SUBMITTAL, PERMITS, CONSTRUCTION
DATE: 08/28/2008, 09/22/2008, 10/15/2008

SHEET CONTENT: SPA COVER SHEET DRIVE THRU CANOPY

FILE NO.: ECU-25-033
SHEET NO.: CS-001

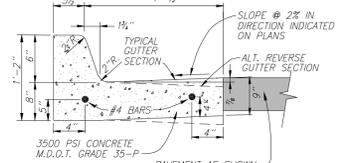
PRELIMINARY NOT FOR CONSTRUCTION



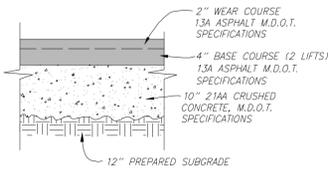
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.

Contractor Note:
The locations of existing underground utilities are shown in an approximate way only. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

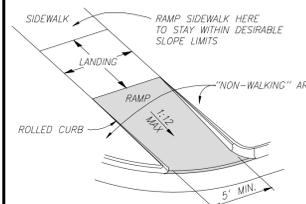
NOTE: ALTERNATE REVERSE GUTTER SECTION TO BE USED ONLY WHEN DRAINING AWAY FROM CURB. SEE GRADING PLAN.



6" ON-SITE CONCRETE CURB & GUTTER
M.D.O.T. R-30-G, F2
(NO SCALE)



ASPHALT PAVEMENT DETAIL
(NO SCALE)



ADA RAMP SIDEWALK DETAIL
(NO SCALE)

NOTES

- 1. "NO PARKING-FIRE LANE" SIGNS SHALL BE INSTALLED AND MAINTAINED AS DESIGNATED BY THE FIRE MARSHAL.
- 2. NO GRADING OR DRAINAGE IMPROVEMENTS ARE BEING MADE.
- 3. OFF-STREET PARKING NORTH OF THE SITE WILL NOT BE USED. IF PARKING IN THE AREA BECOMES NECESSARY, PARKING BLOCKS WILL BE ADDED ALONG THE NORTH SIDE OF THE PAVEMENT AS A VEHICLE BARRIER.
- 4. EXISTING PAVEMENT TO BE EVALUATED BY A GEOTECHNICAL ENGINEER TO CONFIRM THAT IT MEETS CURRENT USE STANDARDS.
- 5. DEFICIENCIES IN THE ASPHALT PARKING LOT WILL BE REPAIRED, AND THE ENTIRE LOT WILL BE SEAL COATED AND STRIPPED.
- 6. A TRAFFIC IMPACT STUDY MAY BE REQUIRED SUBJECT TO THE VILLAGE & MCDR REVIEW & APPROVAL.
- 7. THE VILLAGE SHALL BE HELD HARMLESS FOR LIABILITIES OR DAMAGES OF ANY STORM, DRAINAGE, AND FLOODING ISSUES AS A RESULT OF THE PROPOSED ACTIVITIES.

NOTE:

NO FLOODPLAIN PER FEMA MAP OR WETLANDS PER EGLE MHS MAP EXIST ON SITE.

NORTH



SCALE: 1"=30'

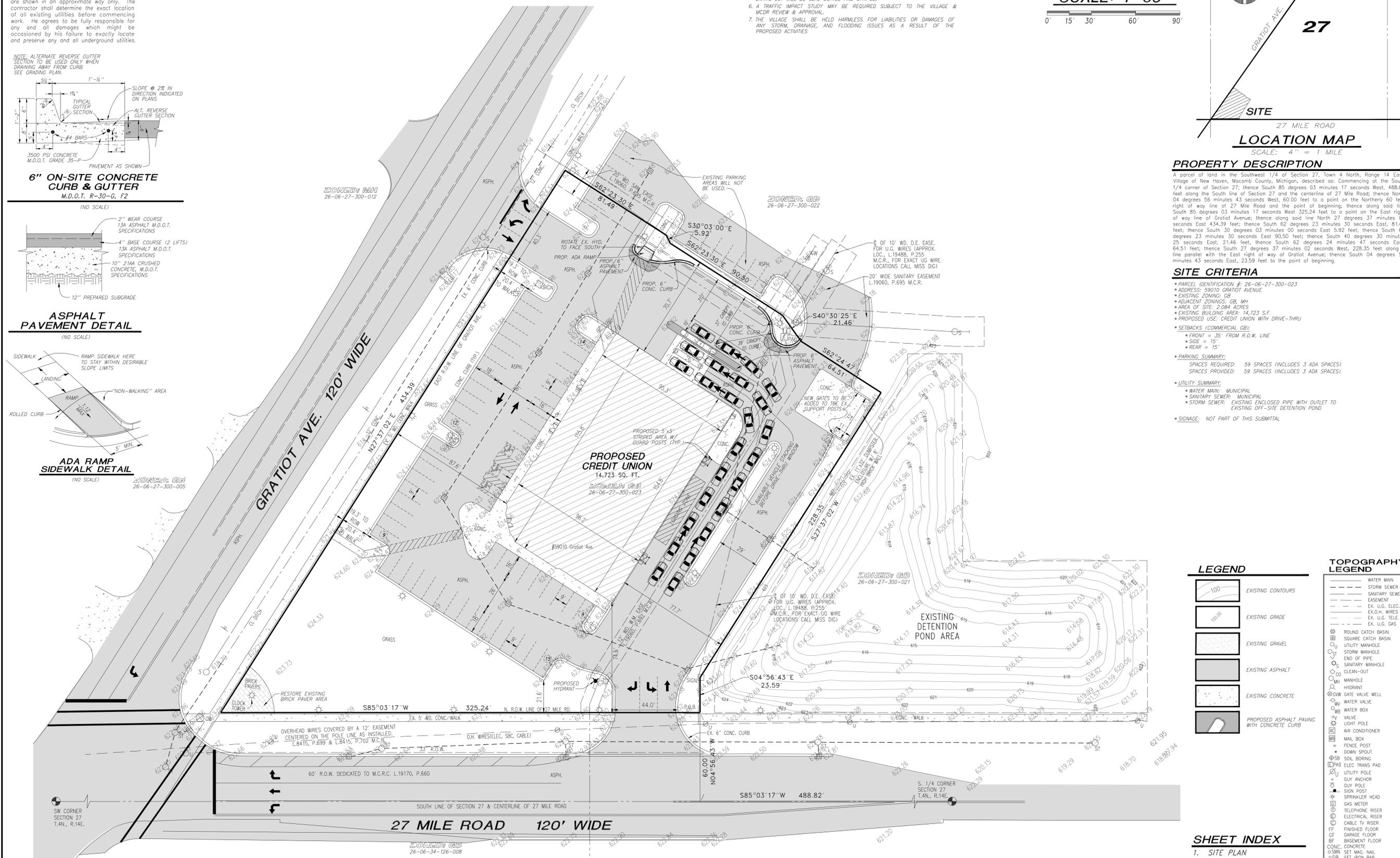


PROPERTY DESCRIPTION

A parcel of land in the Southwest 1/4 of Section 27, Town 4 North, Range 14 East, Village of New Haven, Macomb County, Michigan, described as: Commencing at the South 1/4 corner of Section 27; thence South 85 degrees 03 minutes 17 seconds West, 488.82 feet along the South line of Section 27 and the centerline of 27 Mile Road; thence North 04 degrees 56 minutes 43 seconds West, 60.00 feet to a point on the Northerly 60 foot right of way line of 27 Mile Road and the point of beginning; thence along said line South 85 degrees 03 minutes 17 seconds West 325.24 feet to a point on the East right of way line of Gratiot Avenue; thence along said line North 27 degrees 37 minutes 02 seconds East 434.39 feet; thence South 62 degrees 23 minutes 30 seconds East, 81.49 feet; thence South 30 degrees 03 minutes 00 seconds East 5.92 feet; thence South 62 degrees 23 minutes 30 seconds East 90.50 feet; thence South 40 degrees 30 minutes 25 seconds East, 21.46 feet, thence South 62 degrees 24 minutes 47 seconds East, 64.51 feet; thence South 27 degrees 37 minutes 02 seconds West, 228.95 feet along a line parallel with the East right of way of Gratiot Avenue; thence South 04 degrees 56 minutes 43 seconds East, 23.59 feet to the point of beginning.

SITE CRITERIA

- PARCEL IDENTIFICATION #: 26-06-27-300-023
- ADDRESS: 59010 GRATIOT AVENUE
- EXISTING ZONING: GB
- ADJACENT ZONINGS: GB, MH
- AREA OF SITE: 2.084 ACRES
- EXISTING BUILDING AREA: 14,723 S.F.
- PROPOSED USE: CREDIT UNION WITH DRIVE-THRU
- SETBACKS (COMMERCIAL GB):
 - FRONT = 35' FROM R.O.W. LINE
 - SIDE = 15'
 - REAR = 15'
- PARKING SUMMARY:
 - SPACES REQUIRED: 59 SPACES (INCLUDES 3 ADA SPACES)
 - SPACES PROVIDED: 59 SPACES (INCLUDES 3 ADA SPACES)
- UTILITY SUMMARY:
 - WATER MAIN: MUNICIPAL
 - SANITARY SEWER: MUNICIPAL
 - STORM SEWER: EXISTING ENCLOSED PIPE WITH OUTLET TO EXISTING OFF-SITE DETENTION POND
- SIGNAGE: NOT PART OF THIS SUBMITAL



LEGEND

- 100 EXISTING CONTOURS
- 10000 EXISTING GRADE
- EXISTING GRAVEL
- EXISTING ASPHALT
- EXISTING CONCRETE
- PROPOSED ASPHALT PAVING WITH CONCRETE CURB

TOPOGRAPHY LEGEND

- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- EASEMENT
- EX. U.G. ELEC.
- EX. O.H. WIRES
- EX. U.G. TELE.
- EX. U.G. GAS
- ROUND CATCH BASIN
- SQUARE CATCH BASIN
- UTILITY MANHOLE
- STORM MANHOLE
- END OF PIPE
- SANITARY MANHOLE
- CLEAN-OUT
- MANHOLE
- HYDRANT
- GWV GATE VALVE WELL
- WV WATER VALVE
- WB WATER BOX
- VALVE
- LIGHT POLE
- AIR CONDITIONER
- MAIL BOX
- FENCE POST
- DOWN SPOUT
- SOL. BORING
- ELEC TRANS PAD
- UTILITY POLE
- GUY ANCHOR
- GUY POLE
- SIGN POST
- SPRINKLER HEAD
- GAS METER
- TELEPHONE RISER
- ELECTRICAL RISER
- CABLE TV RISER
- FINISHED FLOOR
- BASEMENT FLOOR
- CONC. CONCRETE
- CF CONCRETE
- BF BASEMENT FLOOR
- SMN SET MAG. NAIL
- SIB SET IRON BAR
- FIB FOUND IRON BAR
- MON FOUND C. MONUMENT

SHEET INDEX

- 1. SITE PLAN
- 2. FIRE TRUCK TURNING MOVEMENT SIMULATION
- 3. EXISTING CONDITIONS

CIVIL ENGINEERING SITE PLAN

PART OF THE S.W. 1/4 OF SECTION 27
T.4N., R.14E., VILLAGE F NEW HAVEN
MACOMB COUNTY, MICHIGAN

DATE: 250830-11343
JOB NO.: 250830-11343
DATE: 12-17-2025
SCALE: 1"=30'
DRAWN BY: DKZ
CHECKED BY: P65
SHEET 1 OF 3
REVISED PER VILLAGE REVIEW: 2-9-26

PROPOSED CREDIT UNION

FOR: GARY PERELLI
PERELLI, LLC
521 BIRMINGHAM BLVD., SUITE 219
BIRMINGHAM, MI 48009
(248) 646-1717



PHONE: 586-371-8030
WWW.URBAN-LAND.COM
URBAN LAND CONSULTANTS
CIVIL ENGINEERS PLANNERS LAND SURVEYORS
8800 23 MILE ROAD SHELBY TWP., MI 48316-4516



KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.

Contractor Note:
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NOTES

1. ALL UTILITIES AND GRADING SHOWN ARE FOR PLANNING PURPOSES ONLY. EXACT UTILITY LOCATIONS AND GRADING TO BE DETERMINED DURING ENGINEERING.
2. "NO PARKING-FIRE LANE" SIGNS SHALL BE INSTALLED AND MAINTAINED AS DESIGNATED BY THE FIRE MARSHAL.
3. NO GRADING OR DRAINAGE IMPROVEMENTS ARE BEING MADE.

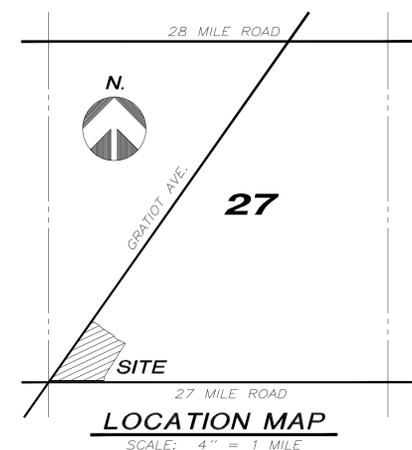
NOTE:

NO FLOODPLAIN PER FEMA MAP OR WETLANDS PER EOLE. MH/S MAP EXIST ONSITE.

NORTH



SCALE: 1"=30'



PROPERTY DESCRIPTION

A parcel of land in the Southwest 1/4 of Section 27, Town 4 North, Range 14 East, Village of New Haven, Macomb County, Michigan, described as: Commencing at the South 1/4 corner of Section 27; thence South 85 degrees 03 minutes 17 seconds West, 488.82 feet along the South line of Section 27 and the centerline of 27 Mile Road; thence North 04 degrees 56 minutes 43 seconds West, 60.00 feet to a point on the Northerly 60 foot right of way line of 27 Mile Road and the point of beginning; thence along said line South 85 degrees 03 minutes 17 seconds West 325.24 feet to a point on the East right of way line of Gratiot Avenue; thence along said line North 27 degrees 37 minutes 02 seconds East 434.39 feet; thence South 62 degrees 23 minutes 30 seconds East, 81.49 feet; thence South 30 degrees 03 minutes 00 seconds East 5.92 feet; thence South 62 degrees 23 minutes 30 seconds East 90.50 feet; thence South 40 degrees 30 minutes 25 seconds East, 21.46 feet; thence South 62 degrees 24 minutes 47 seconds East, 64.51 feet; thence South 27 degrees 37 minutes 02 seconds West, 228.95 feet along a line parallel with the East right of way of Gratiot Avenue; thence South 04 degrees 56 minutes 43 seconds East, 23.59 feet to the point of beginning.

SITE CRITERIA

- PARCEL IDENTIFICATION #: 26-06-27-300-023
- ADDRESS: 59010 GRATIOT AVENUE
- EXISTING ZONING: GB
- ADJACENT ZONINGS: GB, MH
- AREA OF SITE: 2.084 ACRES
- EXISTING BUILDING AREA: 14,723 S.F.
- PROPOSED USE: CREDIT UNION WITH DRIVE-THRU
- UTILITY SUMMARY:
 - WATER MAIN: MUNICIPAL
 - SANITARY SEWER: MUNICIPAL
 - STORM SEWER: EXISTING ENCLOSED PIPE WITH OUTLET TO EXISTING OFF-SITE DETENTION POND

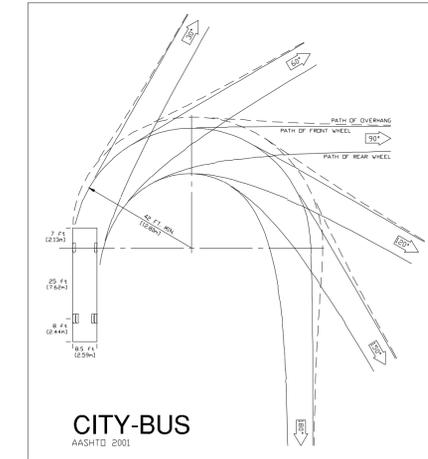
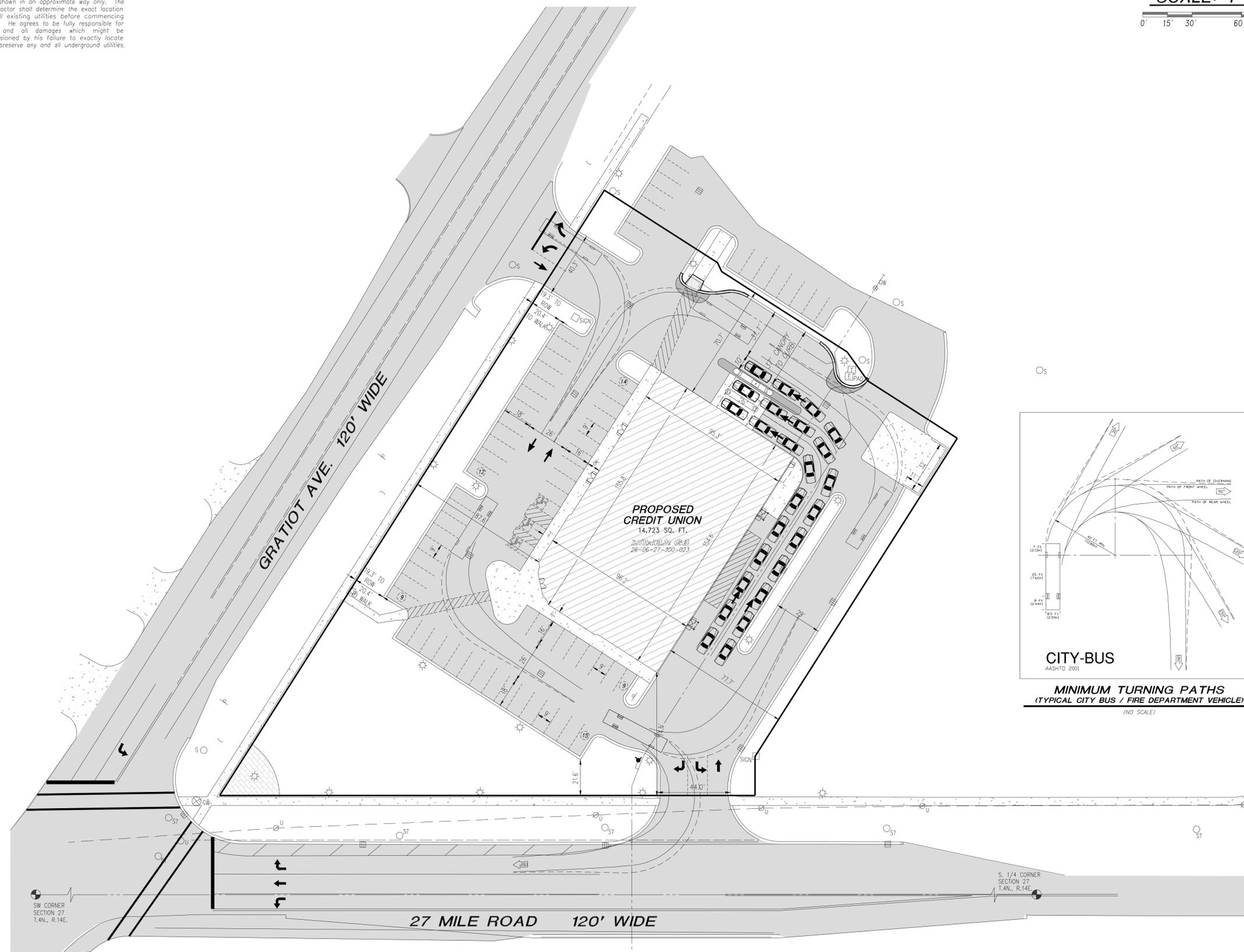
FIRE TRUCK TURNING MOVEMENT SIMULATION
PART OF THE S.W. 1/4 OF SECTION 27
T.4N., R.14E., VILLAGE F NEW HAVEN
MACOMB COUNTY, MICHIGAN

ADDITIONS AND/OR REVISIONS
DATE
250830-11343
Job No.
Date 12-17-2025
Scale 1"=30'
Drawn DKZ
Check P65
Sheet 2 OF 3
2-9-26
ADDED SHEET PER VILLAGE REVIEW
Fld. Bk.

PROPOSED CREDIT UNION
FOR: GARY PERELLI
PERELLI CONSULTING
521 BIRMINGHAM SUITE 219
BIRMINGHAM, MI 48009
(248) 646-1717



PHONE 586-371-8030
WWW.URBAN-LAND.COM
URBAN LAND CONSULTANTS
PLANNERS LAND SURVEYORS
8800 23 MILE ROAD
SHELBY TWP., MI 48316-4516



LEGEND

- EXISTING GRAVEL
- EXISTING ASPHALT
- EXISTING CONCRETE
- PROPOSED ASPHALT PAVING WITH CONCRETE CURB

TOPOGRAPHY LEGEND

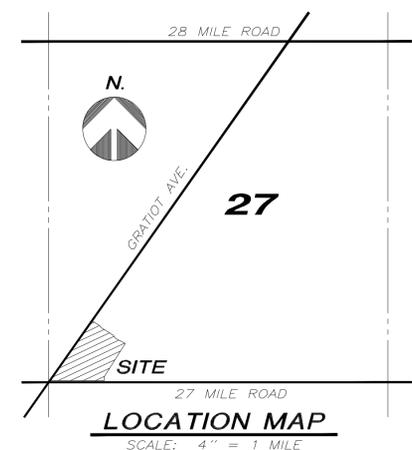
- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- EASEMENT
- EX. U.G. ELEC.
- EX. O.H. WIRES
- EX. U.G. TELE.
- EX. U.G. GAS
- ROUND CATCH BASIN
- SQUARE CATCH BASIN
- UTILITY MANHOLE
- STORM MANHOLE
- END OF PIPE
- SANITARY MANHOLE
- CLEAN-OUT
- MANHOLE
- HYDRANT
- GW GATE VALVE WELL
- WV WATER VALVE
- WB WATER BOX
- VALVE
- LIGHT POLE
- AIR CONDITIONER
- MAIL BOX
- FENCE POST
- DOWN SPOUT
- SOIL BORING
- ELEC TRANS PAD
- UTILITY POLE
- GUY ANCHOR
- GUY POLE
- SIGN POST
- SPRINKLER HEAD
- GAS METER
- TELEPHONE RISER
- ELECTRICAL RISER
- CABLE TV RISER
- FINISHED FLOOR
- GARAGE FLOOR
- BASINMENT FLOOR
- CONC. CONCRETE
- BF
- CF
- SMN SET MAG. NAIL
- SIB SET IRON BAR
- FIB FOUND IRON BAR
- F-MON FOUND C. MONUMENT



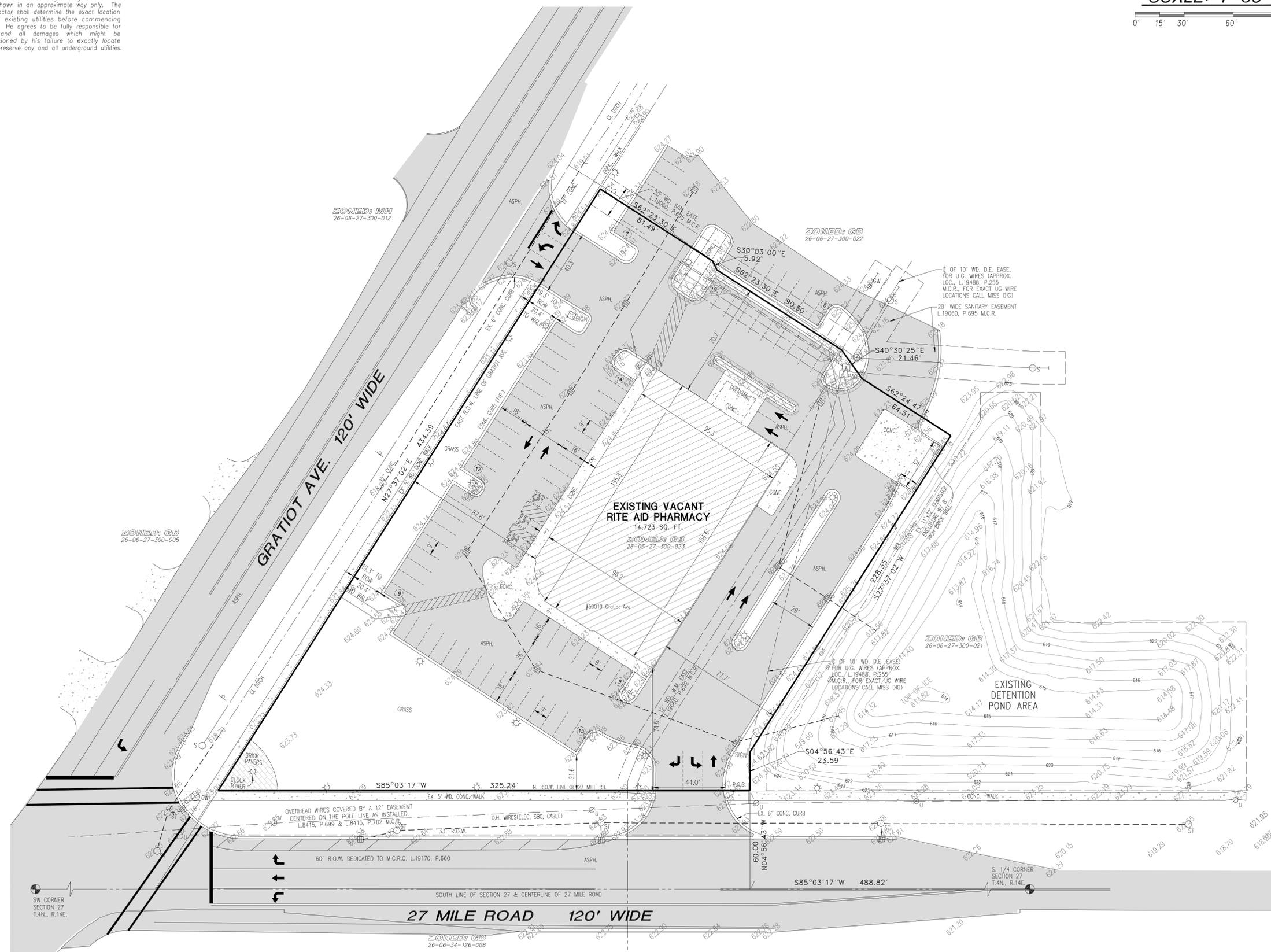
KNOW WHAT'S BELOW.
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Contractor Note:
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NOTE:
NO FLOODPLAIN PER FEMA
MAP OR WETLANDS PER EGLE
MHS MAP EXIST ONSITE



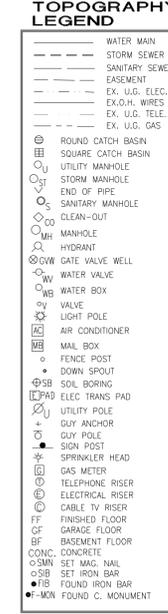
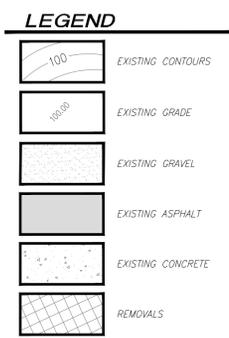
EXISTING CONDITIONS
PART OF THE S.W. 1/4 OF SECTION 27
T.4N., R.14E., VILLAGE F NEW HAVEN
MACOMB COUNTY, MICHIGAN



PROPERTY DESCRIPTION
A parcel of land in the Southwest 1/4 of Section 27, Town 4 North, Range 14 East, Village of New Haven, Macomb County, Michigan, described as: Commencing at the South 1/4 corner of Section 27; thence South 85 degrees 03 minutes 17 seconds West, 488.82 feet along the South line of Section 27 and the centerline of 27 Mile Road; thence North 04 degrees 56 minutes 43 seconds West, 60.00 feet to a point on the Northerly 60 feet right of way line of 27 Mile Road and the point of beginning; thence along said line South 85 degrees 03 minutes 17 seconds West 325.24 feet to a point on the East right of way line of Gratiot Avenue; thence along said line North 27 degrees 37 minutes 02 seconds East 434.39 feet; thence South 62 degrees 23 minutes 30 seconds East, 81.49 feet; thence South 30 degrees 03 minutes 00 seconds East 5.92 feet; thence South 62 degrees 23 minutes 30 seconds East 90.50 feet; thence South 40 degrees 30 minutes 25 seconds East, 21.46 feet, thence South 62 degrees 24 minutes 47 seconds East, 64.51 feet; thence South 27 degrees 37 minutes 02 seconds West, 228.35 feet along a line parallel with the East right of way of Gratiot Avenue; thence South 04 degrees 56 minutes 43 seconds East, 23.59 feet to the point of beginning.

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• ADDRESS: 59010 GRATIOT AVENUE
• EXISTING ZONING: GB
• ADJACENT ZONINGS: GB, MH
• AREA OF SITE: 2.084 ACRES
• EXISTING BUILDING AREA: 14,723 S.F.
• EXISTING USE: VACANT RITE AID
• SETBACKS (COMMERCIAL GB):
• FRONT = 35' FROM R.O.W. LINE
• SIDE = 15'
• REAR = 15'
• PARKING SUMMARY:
• SPACES PROVIDED: 84 SPACES (INCLUDES 3 ADA SPACES)
• UTILITY SUMMARY:
• WATER MAIN: MUNICIPAL
• SANITARY SEWER: MUNICIPAL
• STORM SEWER: EXISTING ENCLOSED PIPE WITH OUTLET TO EXISTING OFF-SITE DETENTION POND

SOILS (ENTIRE SITE IS NAPPANEE CLAY LOAM)
NCA NAPPANEE CLAY LOAM (0 TO 2% SLOPES)
0" - 7" DARK BROWN CLAY LOAM, 7" - 13" BROWN SILTY CLAY, 13" - 27" BROWN CLAY, 27" - 60" GRAYISH-BROWN SILTY CLAY. PERMEABILITY AND RUNOFF ARE SLOW.



ADDITIONS AND/OR REVISIONS
DATE
250830-11343
Job No.
Date 12-17-2025
Scale 1"=30'
Drawn DKZ
Check P65
Sheet 3 of 3
2-9-26
REVISED PER VILLAGE REVIEW
FILED

PROPOSED CREDIT UNION
FOR: GARY PERELLI
PERELLI CONSULTANTS
521 BIRMINGHAM SUITE 219
BIRMINGHAM, MI 48009
(248) 646-1717



PHONE 586-371-8030
WWW.URBAN-LAND.COM
URBAN LAND CONSULTANTS
PLANNERS LAND SURVEYORS
8800 23 MILE ROAD
SHELBY TWP., MI 48316-4516

PROPERTY DESCRIPTION

The Land referred to herein below is situated in the County of Macomb, State of Michigan and is described as follows:

Land in the Township of Lenox, Village of New Haven, County of Macomb, State of Michigan:

A parcel of land in the Southwest 1/4 of Section 27, Town 4 North, Range 14 East, Village of New Haven, Macomb County, Michigan, described as: Commencing at the South 1/4 corner of Section 27; thence South 85 degrees 03 minutes 17 seconds West, 488.82 feet along the South line of Section 27 and the centerline of 27 Mile Road; thence North 04 degrees 56 minutes 43 seconds West, 60.00 feet to a point on the Northerly 60 feet right of way line of 27 Mile Road and the point of beginning; thence along said line South 85 degrees 03 minutes 17 seconds West 325.24 feet to a point on the East right of way line of Gratiot Avenue; thence along said line North 27 degrees 37 minutes 02 seconds East 434.39 feet; thence South 62 degrees 23 minutes 30 seconds East, 81.49 feet; thence South 30 degrees 03 minutes 00 seconds East 5.92 feet; thence South 62 degrees 23 minutes 30 seconds East 90.50 feet; thence South 40 degrees 30 minutes 25 seconds East, 21.46 feet; thence South 62 degrees 24 minutes 47 seconds East, 64.51 feet; thence South 27 degrees 37 minutes 02 seconds West, 228.35 feet along a line parallel with the East right of way of Gratiot Avenue; thence South 04 degrees 56 minutes 43 seconds East, 23.59 feet to the point of beginning.

SITE INFORMATION:

PARCEL SIZE:
GROSS: 2.084 ACRES (90,780 SF)
NET: 2.084 ACRES (90,780 SF)

CURRENT ZONINGS:
GB: GENERAL BUSINESS DISTRICT

ADJACENT ZONING:
NORTH: GB: GENERAL BUSINESS DISTRICT
SOUTH: GB: GENERAL BUSINESS DISTRICT
WEST: GB: GENERAL BUSINESS DISTRICT
EAST: GB: GENERAL BUSINESS DISTRICT

BUILDING SETBACKS: REQUIRED: EXISTING:
FRONT: 35'-0" >35'-0"
SIDE: 15'-0" (X2 = 30) >15'-0"
REAR: 15'-0" >15'-0"

BUILDING HEIGHT: ALLOWED: EXISTING:
35'-0" 22'-0" HIGH POINT OF ROOF
(2 STORIES) (2 STORIES)

BUILDING AREA:
BUILDING 1: 14,723 S.F.
DRIVE THRU CANOPY: 640 S.F. OF ROOF AREA
TOTAL FLOOR AREA: 14,723 S.F.

LOT COVERAGE:
BUILDING LOT COVERAGE:
ALLOWABLE: 35%
PROPOSED: 14,723 / 90,780 = 16.2% OF GROSS ACRES
PARKING REQUIREMENTS:
515-101: 1 SPACE FOR EACH 250 SF USABLE FLOOR AREA
59 SPACES REQUIRED

TOTAL NUMBER OF SPACES REQUIRED: 59 SPACES
TOTAL NUMBER OF SPACES PROVIDED: 59 SPACES (3 H.C.)

LOADING REQUIREMENTS:
515-101: 1 SPACE FOR EACH 2,000 to 19,999 SF GFA
(14,723 GFA = 1 SPACE)

NOTE

THIS SURVEY IS BASED UPON A COMMITMENT FOR TITLE INSURANCE BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER: VT-2025-13837 Dated: AUGUST 8, 2025

BEARINGS IN RELATION TO DESCRIPTION OF RECORD.

THERE IS NO OBSERVABLE EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

THE LOCATION OF UTILITIES SHOWN ON THIS SURVEY, BOTH ABOVE AND BELOW GROUND, ARE SHOWN FROM INFORMATION OF RECORD SUPPLIED TO THE SURVEYOR AND A VISUAL INSPECTION OF THE PREMISES; NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF. EXACT LOCATION SHOULD BE VERIFIED IN THE FIELD WITH THE UTILITY COMPANY PRIOR TO ANY CONSTRUCTION WHICH MAY AFFECT THE UTILITY.

SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X BY THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT, ON FLOOD INSURANCE RATE MAP No. 26099C02566, WITH A DATE OF IDENTIFICATION OF SEPTEMBER 29, 2006, FOR COMMUNITY NUMBER 260446, IN MACOMB COUNTY, STATE OF MICHIGAN, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY OF WHICH SAID PROPERTY IS LOCATED.

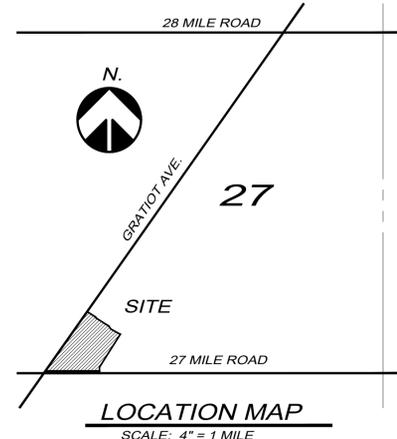
TITLE EXCEPTIONS

- Items 1-6 NOT SHOWN ON SURVEY, NOTHING TO PLOT
- Item 7 RIGHTS OF THE PUBLIC AND OF ANY GOVERNMENTAL UNIT IN ANY PART OF LAND TAKEN, USED OR DEEDED FOR HIGHWAY PURPOSES.
- Items 8-23 NOT SHOWN ON SURVEY, NOTHING TO PLOT
- Item 24 SUBJECT TO AN EASEMENT AND OPERATING AGREEMENT AS RECORDED IN L.19587, P.819 MACOMB COUNTY RECORDS, NOT SHOWN ON SURVEY, NOTHING TO PLOT

NORTH

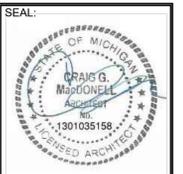


SCALE: 1"=30'



Section 7, Item B.

MACDONELL ASSOCIATES
ARCHITECTURE • PLANNING • INTERIORS
312 E. LIBERTY ST.
MILFORD, MICHIGAN 48381
(248) 685-1873
(248) 302-0158 CELL
ravensrock@msn.com



CONSULTANT:

THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF MACDONELL ASSOCIATES ARCHITECTS AND PLANNERS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS MATERIAL IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF MACDONELL ASSOCIATES ARCHITECTS AND PLANNERS. STRICTLY PROHIBITED BY LAW. UNDER THE FEDERAL COPYRIGHT ACT, TITLE 17.

PROJECT: **NEW BRANCH ALTERATIONS FOR: EXTRA CREDIT UNION**
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(566) 276-3000

OWNER: **EXTRA CREDIT UNION**
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(248) 646-1717 CONTACT: GARY PERELLI CONTRACTOR

ISSUED FOR:	OWNER REVIEW	DATE: 08-28-2025
BY:	TRAVIS G. MACDONELL	DATE: 08-28-2025
PROJECT NO.:	ECU-25-033	
SHEET NO.:	AS-100	

SHEET CONTENT:
ARCHITECTS SITE PLAN EXISTING CONDITIONS

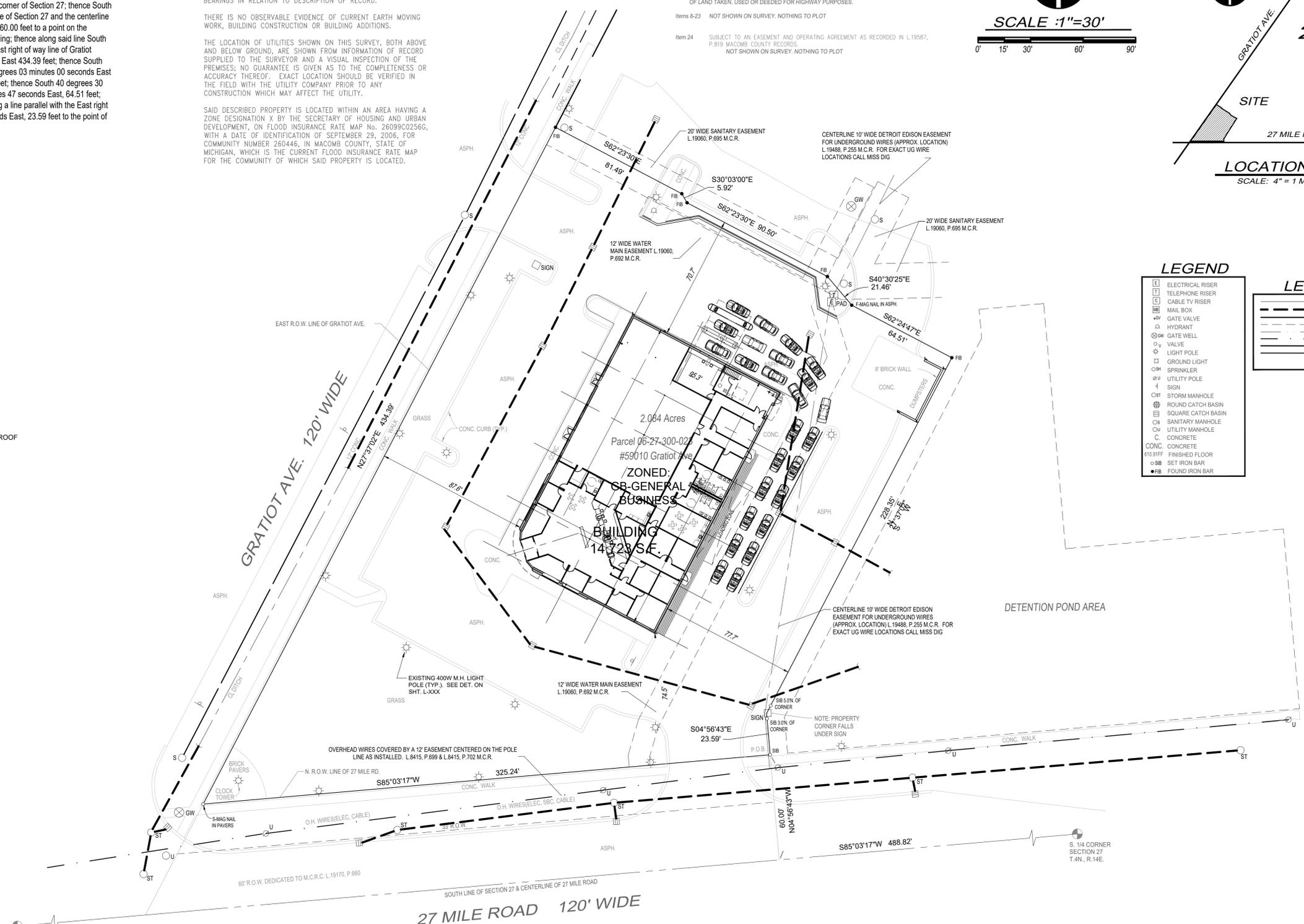
FILE NO.: **ECU-25-033**
SHEET NO.: **AS-100**

LEGEND

- ELECTRICAL RISER
- TELEPHONE RISER
- CABLE TV RISER
- MAIL BOX
- GATE VALVE
- HYDRANT
- GATE WELL
- VALVE
- LIGHT POLE
- GROUND LIGHT
- SPRINKLER
- UTILITY POLE
- SIGN
- STORM MANHOLE
- ROUND CATCH BASIN
- SQUARE CATCH BASIN
- SANITARY MANHOLE
- UTILITY MANHOLE
- CONCRETE
- CONC. CONCRETE
- 610.91FF FINISHED FLOOR
- SET IRON BAR
- FOUND IRON BAR

LEGEND

- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- EASEMENT
- EX. U.G. ELEC.
- EX. H. WIRES
- EX. U.G. TELE.
- EX. U.G. GAS



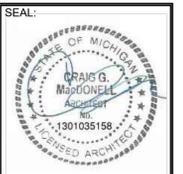
KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.

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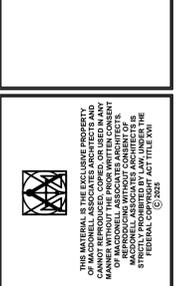
ARCHITECTURAL SITE PLAN
SCALE: 1" = 30'-0"



MACDONELL ASSOCIATES ARCHITECTURE & PLANNING INTERIORS 312 E. LIBERTY ST. MILFORD, MICHIGAN 48381 (248) 685-1873 (248) 302-0158 CELL ravensrock@msn.com



CONSULTANT:



PROJECT: NEW BRANCH ALTERATIONS FOR: EXTRA CREDIT UNION 59010 GRATIOT AVE NEW HAVEN, MICHIGAN 48048 (566) 276-3000

OWNER: EXTRA CREDIT UNION 59010 GRATIOT AVE NEW HAVEN, MICHIGAN 48048 (248) 646-1717 CONTACT: GARY PERELLI CONTRACTOR

ISSUED FOR: OWNER REVIEW 08/28/2025 3RD REVIEW SUBMITTAL 12/22/2025 22/2025 12/22/2025 SHEET CONTENT: EXISTING LANDSCAPE PLAN - FORMER RITE AID

FILE NO.: ECU-25-033 SHEET NO.: LS-100

PLANTING SCHEDULE

Table with columns: KEY, QUANT., SPECIES, SIZE, SPEC. Lists various tree and shrub species like Acer rubrum, Acer saccharum, and Malus 'Sno-drift'.

LANDSCAPE DATA

Table with columns: ROAD FRONTAGE (BUFFER D.), REQUIRED, PROVIDED. Lists tree and shrub counts for different areas.

LANDSCAPE NOTES

- 1. ALL PLANT MATERIAL SHALL BE NORTHERN NURSERY GROWN... 2. SIZES SPECIFIED ARE MINIMUM SIZES... 3. ALL LANDSCAPING SHALL BE INSTALLED AND MAINTAINED...

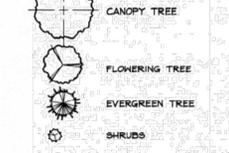
TOPSOIL AND SOD NOTES

- 1. ALL DISTURBED AREAS SHALL BE REPAIRED AND SOIL SHALL BE GROWN ON TOPSOIL... 2. SOD SHALL BE INSTALLED ON A MIN. OF 3" OF LIGHTLY COMPACTED APPROVED TOPSOIL...

IRRIGATION NOTES

- 1. ALL PLANTING AREAS, LAWN AREAS AND LANDSCAPE ISLANDS SHOWN ARE TO HAVE A COMPLETE IRRIGATION SYSTEM...

LEGEND



EXTRA CREDIT UNION WILL BE RESTORING EXISTING LANDSCAPING TO ORIGINAL LANDSCAPE REQUIREMENTS - BASED ON PLANNERS CALCULATIONS ALONG GRATIOT THE CURRENT DESIGN EXCEEDS THAT OF ORDINANCE REQUIREMENTS - EXISTING PLANTING CONDITION WILL BE EVALUATED IN THE SPRING AND ANY DEAD VEGETATION WILL BE REPLACED.

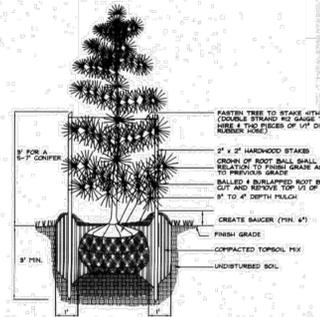
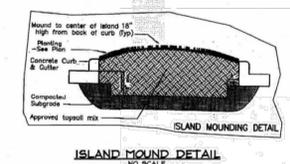
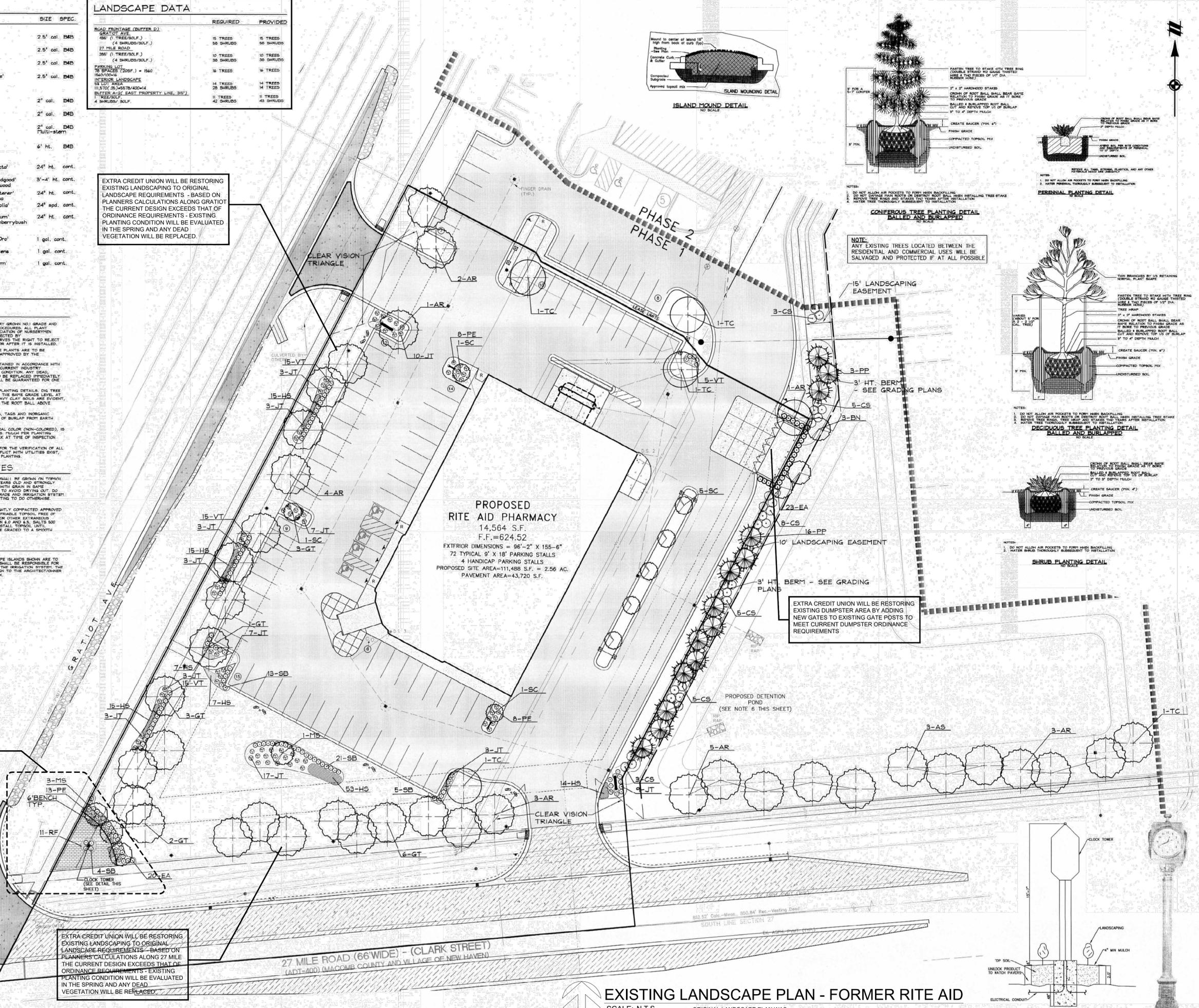
EXTRA CREDIT UNION WILL BE RESTORING EXISTING CLOCK ARE TO ORIGINAL LANDSCAPE REQUIREMENTS - INCLUDING BUT NOT LIMITED TO TUCK POINTING AT EXISTING PLANTER - RESTORATION OF PAVERS AND PLANTINGS AND RE-FINISHING OF EXTERIOR OF CLOCK IF REQUIRED.

EXTRA CREDIT UNION WILL BE RESTORING EXISTING LANDSCAPING TO ORIGINAL LANDSCAPE REQUIREMENTS - BASED ON PLANNERS CALCULATIONS ALONG 27 MILE THE CURRENT DESIGN EXCEEDS THAT OF ORDINANCE REQUIREMENTS - EXISTING PLANTING CONDITION WILL BE EVALUATED IN THE SPRING AND ANY DEAD VEGETATION WILL BE REPLACED.

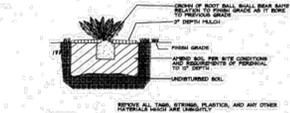


THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE...

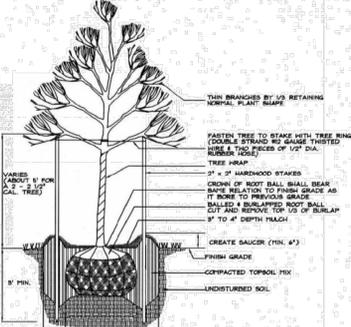
NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK...



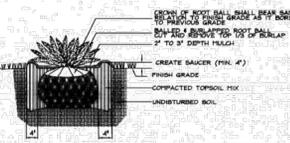
NOTES: 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING... 2. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE...



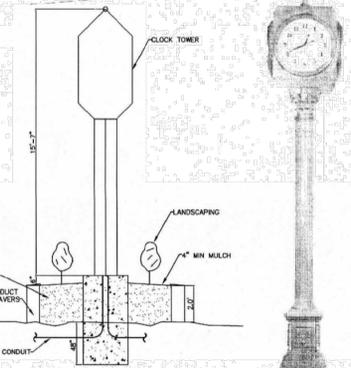
NOTES: 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING... 2. WATER PERMANENTLY SUBSEQUENT TO INSTALLATION.

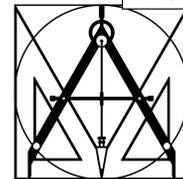


NOTES: 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING... 2. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE...



NOTES: 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING... 2. WATER PERMANENTLY SUBSEQUENT TO INSTALLATION.





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PROJECT: NEW BRANCH ALTERATIONS FOR :
EXTRA CREDIT UNION
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(566) 276-3000

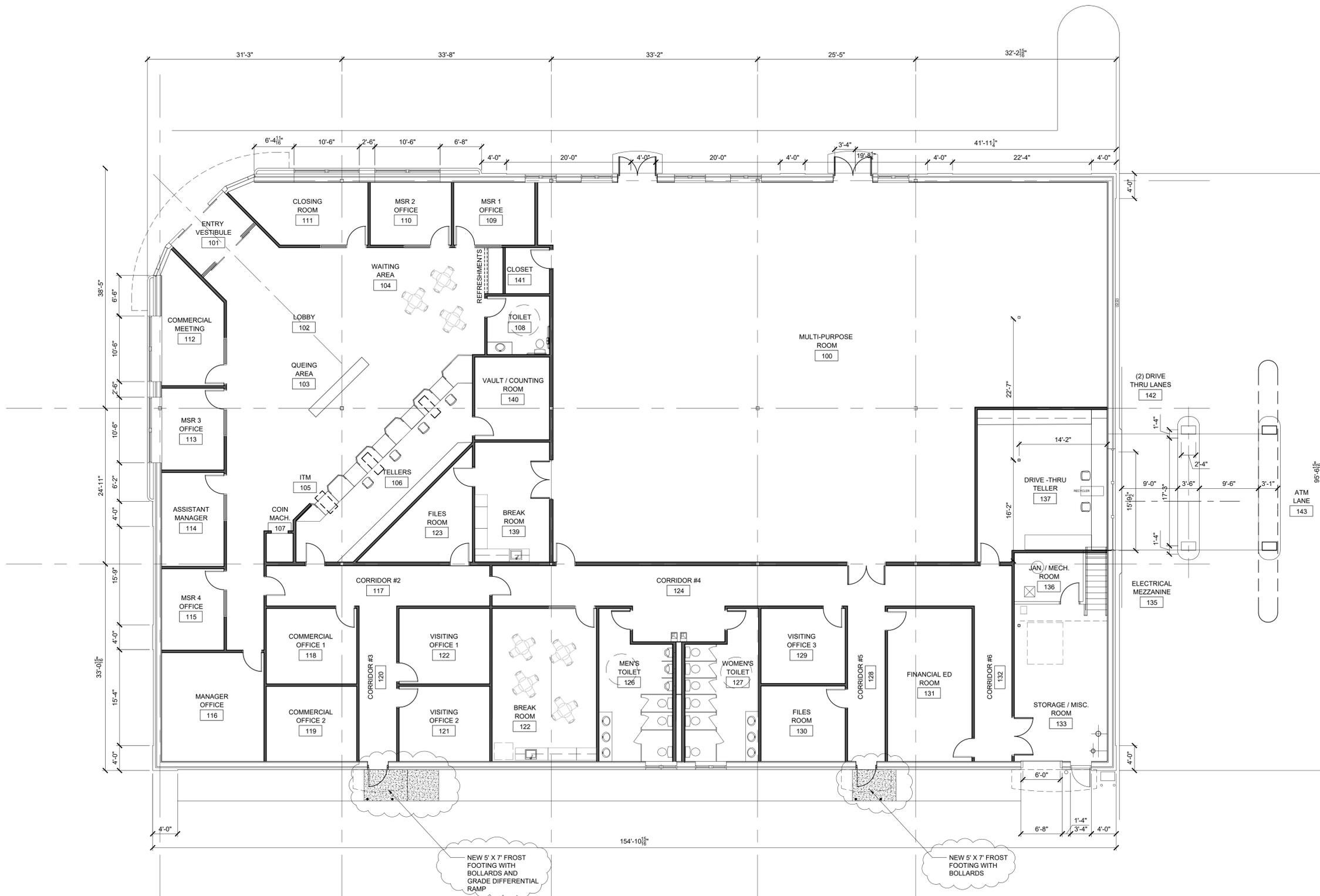
OWNER: EXTRA CREDIT UNION
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(248) 646-1717
CONTACT: GARY PERELLI CONTRACTOR

ISSUED FOR:
OWNER REVIEW
DATE: 08-28-2025
BY: TRAVIS G. MACDONELL
PROJECT NO. ECU-25-033

SHEET CONTENT:
EXISTING /
FLOOR PLAN
W/ PROPOSED
ALTERATION
NEW WORK

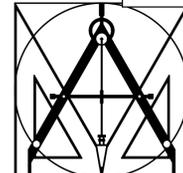
FILE NO.: ECU-25-033

SHEET NO.: A-210



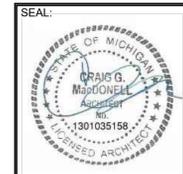
FIRST FLOOR PLAN - PROPOSED ALTERATIONS NEW WORK

SCALE: 1/8" = 1'-0"



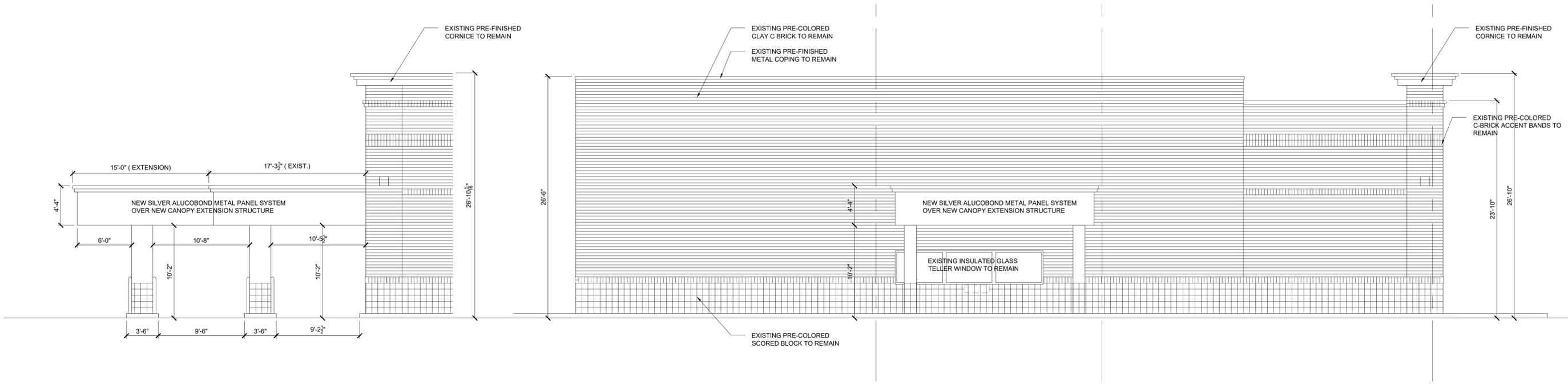
MACDONELL ASSOCIATES
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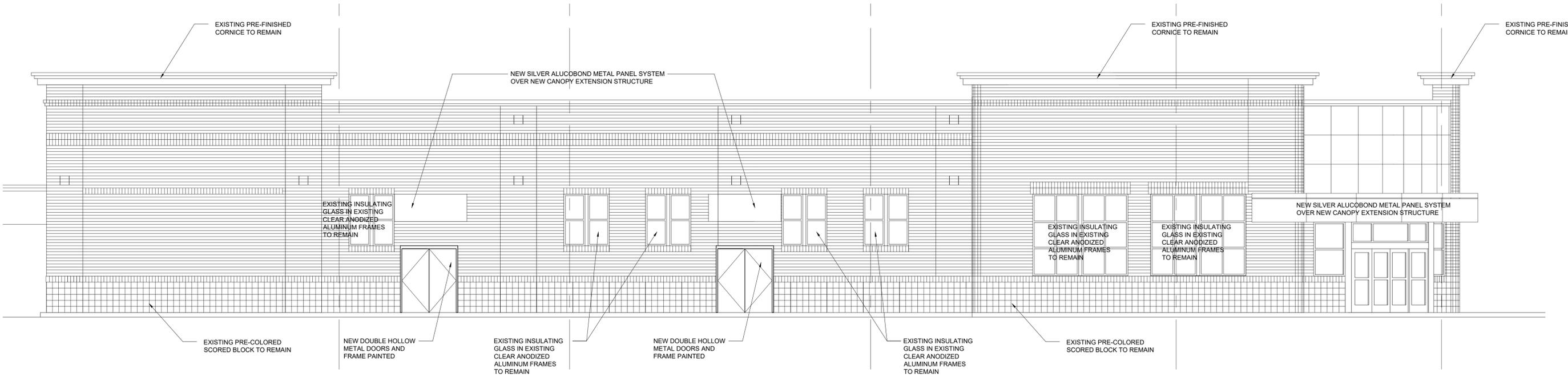


WEST ELEVATION - DRIVE THRU CANOPY EXPANSION

SCALE: 3/16" = 1'-0"

NORTH ELEVATION - EXISTING CONDITIONS / NEW ALTERATIONS

SCALE: 3/16" = 1'-0"



WEST ELEVATION - EXISTING CONDITIONS / NEW ALTERATIONS

SCALE: 3/16" = 1'-0"

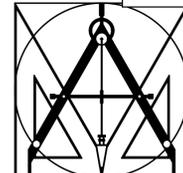
PROJECT: **NEW BRANCH ALTERATIONS FOR :**
EXTRA CREDIT UNION
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(566) 276-3000
OWNER: **EXTRA CREDIT UNION**
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(248) 646-1717
CONTACT: GARY PERELLI CONTRACTOR

ISSUED FOR:
OWNER REVIEW
DATE: 08/28/2025
BY: [Signature]
DATE: 08/28/2025
BY: [Signature]

SHEET CONTENT:
**EXISTING/
PROPOSED
EXTERIOR
ELEVATIONS**

FILE NO.:
ECU-25-033

SHEET NO.:
A-301



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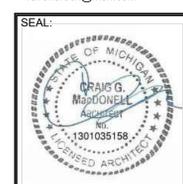
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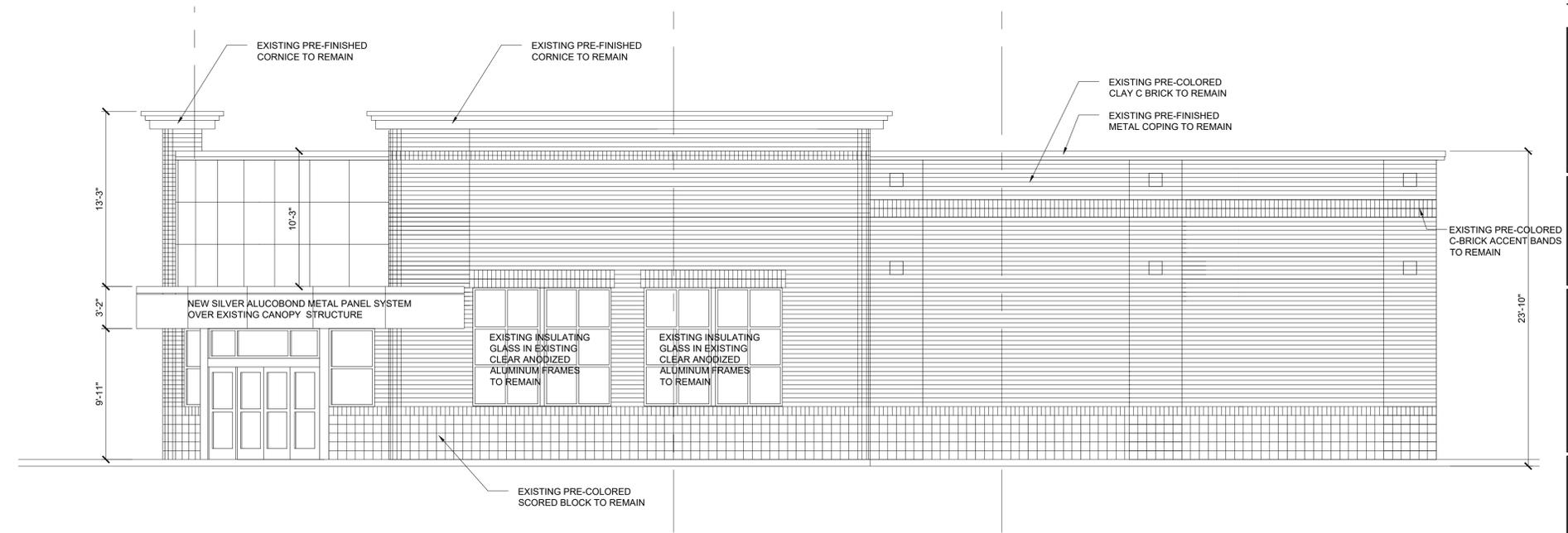
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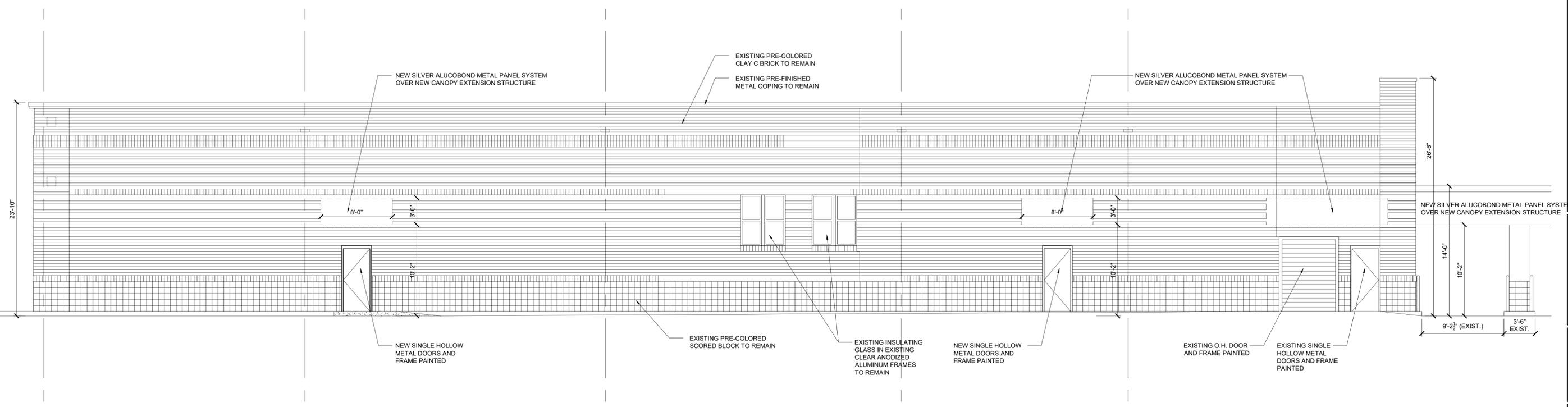


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SOUTH ELEVATION - EXISTING CONDITIONS / NEW ALTERATIONS
SCALE: 3/16" = 1'-0"



EAST ELEVATION - EXISTING CONDITIONS / NEW ALTERATIONS
SCALE: 3/16" = 1'-0"

PROJECT: **NEW BRANCH ALTERATIONS FOR :**
EXTRA CREDIT UNION
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(566) 276-3000
OWNER: **EXTRA CREDIT UNION**
59010 GRATIOT AVE
NEW HAVEN, MICHIGAN 48048
(248) 646-1717
CONTACT: GARY PERELLI CONTRACTOR

ISSUED FOR:
OWNER REVIEW
DATE: 08/23/2025
DATE: 02/20/2025
DATE: 01/21/2025

SHEET CONTENT:
**EXISTING/
PROPOSED
EXTERIOR
ELEVATIONS**

FILE NO.:
ECU-25-033

SHEET NO.:
A-302



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- preliminary
- presentation
- final/bid
- revision

client



location

NEW HAVEN, MI

project

CONCEPT

drawn

SB

date

22 Dec 2025

drawing number

I-404

title

EXTERIOR
CONCEPT
RENDERING

scale

NTS

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