DISCLAIMER LANGUAGE

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Finished dimensions shown

Not for Construction
ATTIC & ROOF PLANS

WALL TYPES - refer to Sheet A6.0 for details

Wall Type 1: Exterior Walls
Wall Type 2: Interior Partition Walls
Wall Type 3: Interior Rated Walls
Wall Type 4: Foundation Walls

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Michigan Municipal League

NOT FOR CONSTRUCTION

MML Review Set
22 AUG 2022
Stucco or similar exterior finish with smooth or sand texture
Horizontal fiber cement siding with 5" exposure and nominal 6" corners boards and nominal 4" window casing
Pressure treated post column furred out to 8" square and clad with 1x2 finish trim at top/capital
Asphalt three tab shingle over building felt and exterior grade sheathing

NOT FOR CONSTRUCTION

THE GROVE
Michigan Municipal League

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Stucco or similar exterior finish with smooth or sand texture
Horizontal fiber cement siding with 5" exposure and nominal 6" corners boards and nominal 4" window casing
Pressure treated post column furred out to 8" square and clad with 1x2 finish trim at top/capital
Asphalt three tab shingle over building felt and exterior grade sheathing
Maintain continuity of required one-hour rated wall.

5/8" Type-X drywall on one-hour rated wall.

1/2" painted drywall on interior partition walls.

Concrete wall thickness:

Wall Type #1: Exterior Framed Wall
2x6 wood framing with 1" rigid insulation sheathing and insulation within cavity.
Interior finished with vapor diffusion retarder paint over 1/2" drywall.

Wall Type #2: Interior Partition Wall
2x4 wood framing spaced 16" o.c. finished on each side with painted 1/2" drywall.

Wall Type #3: Interior Rated Wall
UL U305: one-hour fire rating. STC 36
2x4 wood studs spaced 16" o.c. with 3-1/2" glass fiber batt insulation and 5/8" thick Type-X gypsum boards on either side.

Wall Type #4: Exterior Foundation Wall
Reinforced concrete with exterior dampproofing and interior rigid insulation.

Upper Floor Assembly
ASTM E 119 one-hour fire test standard.
Finish flooring on 3/4" T&G plywood subfloor over 11 - 7/8" TJI wood joist spaced at 16" o.c.
Underside of TJI wood joist finished with 5/8" Type-X gypsum wall board, painted with 35 mils of Firefree 88 coating.

Main Floor Assembly
Finish flooring on 3/4" T&G plywood subfloor over 11 - 11/16" 2x wood joist spaced at 16" o.c.
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CABLE/CONDUIT SCHEDULE

EMPTY 4" CONDUIT WITH PULL ROPE

METER STACK 'MS' WITH TENANT OCPD 400A, 240/120V-1PH-3W

NOTE:

I S.C. (L-L): 25853 AMPS

AVAILABLE FAULT CURRENT CALCULATIONS ARE BASED ON AN ASSUMPTION OF 100KVA TRANSFORMER WITH AN INFINITE PRIMARY AND A 2.5% IMPEDENCE. CONTRACTOR TO CONFIRM WITH THE UTILITY COMPANY THE AVAILABLE FAULT CURRENT AND ADJUST AIC RATINGS FOR ALL ELECTRICAL EQUIPMENT PRIOR TO ORDERING.

PNL Q3
125A MLO QO SERIES 30-CKT

PNL Q1
125A MLO QO SERIES 30-CKT

#1/0 AWG GND, GEC

2#1, #6 GND, 1 1/2"C TO UTILITY CO. TRANSFORMER

CONDUIT TO 3'-4' AWAY FROM POLE OR PADMOUNT TRANSFORMER

125A MAIN DISC. SW. 400/350/2 3R NEMA

PNL Q4
125A MLO QO SERIES 30-CKT

PNL Q2
125A MLO QO SERIES 30-CKT

100A MLO QO SERIES 30-CKT

3#1, #8 GND, 1 1/2"C

SERVICE EQUIPMENT NEUTRAL CONNECTIONS MADE WITHIN 5FT OF PIPE ENTRANCE

GROUND BUS MAKE CONNECTIONS TO GROUND BUS

BONDING JUMPER #1/0 AWG

BUILDING STEEL #6 AWG MIN. #1/0 AWG

CONCRETE-ENCASED ELECTRODE 3/4" X 8'-0"

GROUND RODS, 10' O.C.

UNDERGROUND METAL WATER PIPE #4 AWG CU MIN.

SERIAL BOARD #6 AWG MIN.

OCCUPANCY SENSORS (TYPICAL) QUANTITY AS SHOWN ON PLANS.

LIGHTING LOAD (TYPICAL)

POWER PACK CAT 5e CABLE (TYP.)

BASE OF DESIGN:

1. ACUITY nLIGHT.

APPROVED ALTERNATES:

1. ALL CONTROLS TO BE COMPLIANT WITH ASHRAE 90.1, 2013 WITHOUT MICHIGAN EXCEPTIONS FOR LEED COMPLIANCE.

2. MANUAL "ON", LOCAL ON/OFF OVERRIDE, AUTO "OFF".

3. SEE PLANS FOR SPECIFIC QUANTITY AND LOCATION OF SWITCH TYPES.
## LIGHT FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>ID</th>
<th>MANUFACTURER</th>
<th>MODEL NO.</th>
<th>VOLTAGE</th>
<th>AMPS</th>
<th>LAMPS</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
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<tr>
<td>1</td>
<td>F</td>
<td>WL4-40L-EZ1-LP835-MSD7</td>
<td>MVOLT 1</td>
<td>40</td>
<td>W</td>
<td>LED, 3500K, 4000LM, 82CRI, L90@60,000</td>
<td>1X4 SURFACE LED</td>
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<tr>
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<td>WL4-40L-EZ1-LP835-MSD7-EL14L</td>
<td>MVOLT 1</td>
<td>40</td>
<td>W</td>
<td>LED, 3500K, 4000LM, 82CRI, L90@60,000</td>
<td>1X4 SURFACE LED WITH EMERG BATTERY</td>
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<td>3</td>
<td>H</td>
<td>OLVTCCM 120-277V</td>
<td>1</td>
<td>15</td>
<td>W</td>
<td>LED, 4000K, 600LM</td>
<td>LED VAPORTITE SURFACE  CEILING MOUNT</td>
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<td>J</td>
<td>JSF-11IN-35K-90CRI-MVOLTZT-WH</td>
<td>120V</td>
<td>10</td>
<td>W</td>
<td>LED, 5000K, 600LM, 90CRI</td>
<td>MOTION SENSOR CEILING LIGHT</td>
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### Panel: H
- Location: BE09073/100
- Voltage: 120/277V
- A.I.C. Rating: 10kAIC
- Mounting: RECESSED
- Mains Type: MLO
- Mains Rating: 100 A
- Neutral Buss: Yes
- Ground Buss: Yes
- Enclosure: TYPE 1
- Series: 3
- Bus Rating: 20 A
- Supply From: Phases: 3
- Notes:
  - * PROVIDE GFCI CIRCUIT BREAKER.
  - * PROVIDE AFCI CIRCUIT BREAKERS AS REQUIRED BY THE NEC.

### Panel: Q1
- Location: BE09071/105
- Voltage: 208/240 Single
- A.I.C. Rating: 10kAIC
- Mounting: RECESSED
- Mains Type: MLO
- Mains Rating: 125 A
- Neutral Buss: Yes
- Ground Buss: Yes
- Enclosure: TYPE 1
- Series: 3
- Bus Rating: 125 A
- Supply From: Phases: 3

### Panel: Q2
- Location: BE09077/105
- Voltage: 208/240 Single
- A.I.C. Rating: 10kAIC
- Mounting: RECESSED
- Mains Type: MLO
- Mains Rating: 125 A
- Neutral Buss: Yes
- Ground Buss: Yes
- Enclosure: TYPE 1
- Series: 3
- Bus Rating: 125 A
- Supply From: Phases: 3

### Panel: Q3
- Location: BE09068/105
- Voltage: 208/240 Single
- A.I.C. Rating: 10kAIC
- Mounting: RECESSED
- Mains Type: MLO
- Mains Rating: 125 A
- Neutral Buss: Yes
- Ground Buss: Yes
- Enclosure: TYPE 1
- Series: 3
- Bus Rating: 125 A
- Supply From: Phases: 3

### Panel: Q4
- Location: BE09066/105
- Voltage: 208/240 Single
- A.I.C. Rating: 10kAIC
- Mounting: RECESSED
- Mains Type: MLO
- Mains Rating: 125 A
- Neutral Buss: Yes
- Ground Buss: Yes
- Enclosure: TYPE 1
- Series: 3
- Bus Rating: 125 A
- Supply From: Phases: 3

### ELECTRICAL SCHEDULES
- THE GROVE
- Michigan Municipal League
- E7.1
- 9/2/2022 1:55:52 PM
The text on the page includes various plumbing abbreviations and symbols, along with notes and instructions. The content is detailed and refers to standards such as the 2013 International Mechanical Code (IMC) and the 2015 International Plumbing Code (IPC). The text emphasizes the importance of using figured dimensions only and provides guidance on the coordination of plumbing work with building structure and equipment, architectural drawings, and electrical gear. It also outlines requirements for insulation of piping and the importance of verifying values with codes in effect at the time of construction.

The general plumbing notes and pipe insulation schedule are included, with specific references to insulation thicknesses and temperatures for different types of piping and materials. The schedule provides data for different temperatures and operating conditions, including the NOMINAL PIPE OR TUBE SIZE, INCHES, and the insulation thickness in inches. The notes also mention the use ofTypical abbreviations and symbols are shown on this sheet may not be used on this project.
BUILDING SANITARY PIPING LAYOUT ASSUMES CONNECTION TO SITE SANITARY SEWER IS TO THE BOTTOM OF THE PAGE. ADJUST PIPING LAYOUT AS REQUIRED TO MATCH SITE CONNECTION AND VERIFY PIPE SIZES WITH MICHIGAN PLUMBING CODE.

WHERE CRAWLSPACE IS OPEN TO AMBIENT TEMPERATURES, INSTALL ELECTRIC HEAT TRACE ON PIPING AND COVER WITH INSULATION. VERIFY HEAT TRACE SELECTION AND INSULATION THICKNESS WITH ENGINEER AND LOCAL CODES AND CONDITIONS.

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EXHAUST FAN SCHEDULE

<table>
<thead>
<tr>
<th>TAG</th>
<th>BASIS OF DESIGN</th>
<th>DESCRIPTION</th>
<th>SUPPLY AIR DATA</th>
<th>COOLING COIL DATA</th>
<th>HEATING DATA</th>
<th>ELECTRICAL DATA</th>
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<th>COMMENTS</th>
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FURNACE SCHEDULE

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<th>TOTAL</th>
<th>COOL</th>
<th>TOTAL</th>
<th>HEAT</th>
<th>TOTAL</th>
<th>VOLTAGE</th>
<th>M.T.C.</th>
<th>E.T.C.</th>
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<tr>
<td>F-1</td>
<td>Daikin DC96VC</td>
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<td>700 CFM</td>
<td>45 CFM</td>
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<td>17</td>
<td>40</td>
<td>38</td>
<td>1/2</td>
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<tr>
<td>F-2</td>
<td>Daikin DM96VC</td>
<td>UPFLOW, GAS-FIRED FURNACE</td>
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<td>15</td>
<td>120V / 1Ø X 1, 2, 3, 4, 5, 6, 7</td>
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</tbody>
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COMMENTS:
1. PROVIDE WITH ELECTRONICALLY COMMUTATED MOTOR WITH CONSTANT CFM ADAPTIVE, VARIABLE SPEED TECHNOLOGY PROGRAMMED TO OVERCOME THE STATIC PRESSURE ASSOCIATED WITH COMMON RESIDENTIAL INSTALLATION SCENARIOS.
2. PROVIDE WITH WALL CAP INCLUDING BIRDSCREEN AND BACKDRAFT DAMPER.

CONDENSING UNIT SCHEDULE

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<tr>
<th>TAG</th>
<th>BASIS OF DESIGN</th>
<th>DESCRIPTION</th>
<th>COOLING</th>
<th>HEATING</th>
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