Reinforced concrete foundation wall on reinforced concrete footing.
Concrete block column on reinforced concrete pad footing.
TJI wood joists
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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Staggered shingle fiber cement siding with 6" exposure & smooth nominal 6" corner boards & 4" window casing typ.

UPPER LEVEL
9'-1" Grade
-2'-6" Frost
8'-0" Ceiling Height

MAIN LEVEL
0'-0" Roof
20'-11 1/2" Roof Apex
29'-2"

Barge rafter extends 2'-0" beyond face of building. Support with extended ridge board & 2x lookouts. See Detail 5 Sheet A4.0.

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Roof: 20'-11 1/2"
Roof Apex: 29'-2"

UPPER LEVEL:
Grade: -2'-6"
Ceiling Height: 8'-0"

MAIN LEVEL:
Grade: 0'-0"

Detail Rear Elevation:
- Asphalt shingles over building felt
- Exterior grade sheathing fastened to top of blocking
- 1x Rake projects below boxing to form drip
- 2x blocking @ 24" o.c.
- 1x or 1x8 Board screwed to blocking & to end truss

Detail Barge Rafter:
- Barge rafter
- Asphalt shingles over building felt
- Exterior grade sheathing install ice & shield at eave
- Gutter

Detail 1" = 1'-0"

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Maintain continuity of required one-hour rated wall 5/8" Type-X drywall on one-hour rated wall

Maintain continuity of required one-hour rated wall 5/8" Type-X drywall on one-hour rated wall

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.

Wall Type #5: Interior Foundation Wall
Reinforced concrete

Wall Details

A6.0
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CABLE/CONDUIT SCHEDULE

EMPTY 4" CONDUIT WITH PULL ROPE

METER STACK 'MS' WITH TENANT OCPD 200A, 240/120V-1PH-3W

NOTE:

I.S.C. (L-L): 13495 AMPS AT METERING EQUIPMENT.

AVAILABLE FAULT CURRENT CALCULATIONS ARE BASED ON AN ASSUMPTION OF 50KVA TRANSFORMER WITH AN INFINITE PRIMARY AND A 2.5% IMPEDANCE. CONTRACTOR TO CONFIRM WITH THE UTILITY COMPANY THE AVAILABLE FAULT CURRENT AND ADJUST AIC RATINGS FOR ALL ELECTRICAL EQUIPMENT PRIOR TO ORDERING.

PNL D1

125A MLO QO SERIES 30-CKT

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

PNL D2

125A MLO QO SERIES 30-CKT

2#1, #6 GND, GEC

CONDUIT STUBBED AND CAPPED 5'-0" FROM BUILDING MAIN DISC. SW.

NEMA 3R

PNL H

100A MLO QO SERIES 20-CKT

60A #6 AWG GND, #6 AWG

BUILDING STEEL #6 AWG MIN. #6 AWG #6 AWG (3)5/8" X 8'-0" GROUND RODS, 10' O.C.

UNDERGROUND METAL WATER PIPE #4 AWG CU MIN. CONCRETE-ENCASED ELECTRODE BONDING JUMPER #6 AWG SERVICE NEUTRAL CONNECTIONS MADE WITHIN 5FT OF PIPE ENTRANCE GROUND BUS MAKE CONNECTIONS TO GROUND BUS POWER CIRCUIT OCCUPANCY SENSORS (TYPICAL) QUANTITY AS SHOWN ON PLANS.

LIGHTING LOAD (TYPICAL)

POWER PACK CAT 5e CABLE (TYP.)

BASIS OF DESIGN:

SEQUENCE OF OPERATION:

APPROVED ALTERNATES:

1. EATON

2. LEVITON

3. HUBBELL NX

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.

ACUITY nLIGHT.
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**LIGHT FIXTURE SCHEDULE**

<table>
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<tr>
<th>ID</th>
<th>MANUFACTURER</th>
<th>MODEL NO</th>
<th>VOLTAGE</th>
<th>QTY</th>
<th>WATT TYPE</th>
<th>DESCRIPTION</th>
<th>NOTES</th>
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<td>JSF-11IN-13LM-35K-90CRI-MVOLTZT-WH</td>
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**Panel: H**

- **Location:** LTG HALL, BDRM, BATH
- **Volts:** 120/240 Single
- **A.I.C. Rating:** 10kAIC
- **Supply From:** Phases:
  - 1
- **Wires:** TYPE 3R
- **Enclosure:** LOAD CENTER
- **Neutral Buss:** Yes
- **Ground Buss:** Yes
- **Bus Rating:** 100 A

**Panel: D1**

- **Location:** LTG HALL, BDRM, BATH
- **Volts:** 120/240 Single
- **A.I.C. Rating:** 10kAIC
- **Supply From:** Phases:
  - 1
- **Wires:** TYPE 3R
- **Enclosure:** LOAD CENTER
- **Neutral Buss:** Yes
- **Ground Buss:** Yes
- **Bus Rating:** 125 A

**Panel: D2**

- **Location:** LTG HALL, BDRM, BATH
- **Volts:** 120/240 Single
- **A.I.C. Rating:** 10kAIC
- **Supply From:** Phases:
  - 1
- **Wires:** TYPE 3R
- **Enclosure:** LOAD CENTER
- **Neutral Buss:** Yes
- **Ground Buss:** Yes
- **Bus Rating:** 125 A

**CKT Circuit Description**

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</table>

**Total Load:** 1 kW

**Total Amps:** 8 A

**Notes:**

- PROVIDE GFCI CIRCUIT BREAKER.
- PROVIDE AFCI CIRCUIT BREAKER AS REQUIRED BY THE NEC.
BUILDING SANITARY PIPING LAYOUT ASSUMES CONNECTION TO SITE SANITARY SEWER IS TO THE RIGHT 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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Low Pressure
Neck Size
Low Pressure Gas
Medium Pressure
High Pressure

"Not for Construction," as it will be necessary for each site-specific development to employ

A. PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, and

regulations of federal, state, and local authorities having jurisdiction.

B. LABORATORIES, AMERICAN CODES, ASA, ASHRAE, NEC, STATE FIRE INSURANCE

regulation body, NFPA or others. THESE STANDARDS SHALL BE FOLLOWED

whether or not indicated on the drawing and specifications.

C. ALL WORK SHALL COMPLY WITH THE MICHIGAN MECHANICAL CODE AND ALL APPLICABLE

regulations.

D. PROVIDE TRAP FOR CONDENSATION DRAIN LINES.

E. OR DIFFUSER.

F. PROVIDE VIBRATION ISOLATION AT EACH CONNECTION TO A MOTORIZED PIECE OF

equipment by the HVAC contractor.

G. THE HVAC CONTRACTOR SHALL LOCATE AND DESIGN EXHAUST FAN LOCATION

depending on local codes and coordination with reflected ceiling and structural plans.

H. PROVIDE TRANSITION ECCENTRICs.

I. DEMOLITION END POINT

J. HIGH PRESSURE STEAM SUPPLY

K. HIGH PRESSURE STEAM RETURN

L. STEAM CONDENSATE PUMPED

M. LOW PRESSURE STEAM SUPPLY

N. LOW PRESSURE STEAM RETURN

O. CHILLED WATER SUPPLY

P. CHILLED WATER RETURN

Q. GAS

R. GAS EXPANSION JOINT

S. GAS - MECHANICAL TRADES CONTRACTOR

T. GAS - ELECTRICAL CONTRACTOR

U. GAS - MECHANICAL TRADES CONTRACTOR

V. GAS OUTLET

W. GAS OUTLET DUCT

X. GAS PRESSURIZED STEAM SUPPLY

Y. GAS NATIONAL FIRE PROTECTION ASSOCIATION

Z. GAS NATIONAL FIRE PROTECTION ASSOCIATION