ISSUED FOR BID AND PERMIT
AUGUST 21, 2020

OWNER
WEST BLOOMFIELD TOWNSHIP
4550 WALNUT LAKE ROAD
WEST BLOOMFIELD, MI 48323

PROJECT LOCATION
4550 WALNUT LAKE ROAD
WEST BLOOMFIELD, MI 48323

ARCHITECT
DLZ MICHIGAN, INC.
4494 ELIZABETH LAKE RD.
WATERFORD TOWNSHIP MI, 48328

BUILDING CODE SUMMARY

1. SMALL RESTROOM RENOVATION OF 968 SQ. FT. TO UPDATE FINISHES AND BRING SPACES UP TO ADA COMPLIANT STANDARDS.
2. BASEMENT, 1 STORY W/ MEZZANINE.

PLUMBING

1. WATER CLOSETS PROVIDED MEET THE MINIMUM NUMBER REQUIRED.
2. FOR EACH URINAL PROVIDED, A WATER CLOSET CAN BE DELETED AS LONG AS THE MINIMUM NUMBER OF WATER CLOSETS IS NOT LESS THAN 67 PERCENT OF THE ORIGINAL NUMBER REQUIRED IN ASSEMBLY SPACES AND 50 PERCENT IN OTHER OCCUPANCIES.
3. SHOWER COUNT BASED ON 1 FIXTURE PER 10 OCCUPANTS.

Energy Code

1. 2015 MICHIGAN PLUMBING CODE
2. 2015 MICHIGAN MECHANICAL CODE
3. 2017 NATIONAL ELECTRICAL CODE
4. 2015 MICHIGAN ENERGY CODE

Fire Code

1. 2015 INTERNATIONAL FIRE CODE
2. 2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
3. 2015 MICHIGAN PLUMBING CODE
4. 2015 MICHIGAN MECHANICAL CODE
5. 2015 MICHIGAN ENERGY CODE

Electrical

1. 2015 INTERNATIONAL FIRE CODE
2. 2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
3. 2015 MICHIGAN PLUMBING CODE
4. 2015 MICHIGAN MECHANICAL CODE
5. 2017 NATIONAL ELECTRICAL CODE
GENERAL NOTES:

A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.
B. REFER TO DRAWINGS OF ALL OTHER DISCIPLINES FOR ADDITIONAL REMOVALS AND SELECTIVE DEMOLITION ACTIVITIES.
C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SELECTIVE DEMOLITION ACTIVITIES.
D. EXISTING TO REMAIN ITEMS SHALL BE PROTECTED THROUGHOUT.
E. THE DURATION OF THE PROJECT. IF ANY EXISTING ITEM IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPLACED OR RESTORED TO ITS ORIGINAL CONDITION.
F. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL TEMPORARY SHORING AND BRACING REQUIRED TO COMPLETE THE WORK.
G. CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING, INCLUDING ASSOCIATED REPAIR AND FINISHING TO MATCH ADJACENT SURFACES.
H. REMOVE ALL ABANDONED EQUIPMENT, DUCTWORK, PLUMBING, ELECTRICAL, DATA, AND COMMUNICATIONS LINES, DEVICES, AND EQUIPMENT. EXPOSED UTILITIES SHALL BE IDENTIFIED, CAPPED, AND LABELED.
I. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY ENVIRONMENTAL CONTROL MEASURES INCLUDING APPLICABLE AIR QUALITY CONTROL MEASURES, DUST CONTROL, EROSION CONTROL, AND OTHER MEASURES REQUIRED FOR PROTECTION OF OCCUPANTS AND PROPERTY DURING SELECTIVE DEMOLITION AND CONSTRUCTION ACTIVITIES.
J. CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATING CONTRACT DOCUMENTS WITH FIELD CONDITIONS AND WITH WORK REQUIRED FOR EACH TRADE.
K. BUILDING TO REMAIN OCCUPIED DURING CONSTRUCTION. SEQUENCE ALL DEMOLITION ACTIVITIES ACCORDINGLY TO MINIMIZE DISRUPTION OF BUILDING OCCUPANTS.
L. CONTRACTOR SHALL COORDINATE DEMOLITION ACTIVITIES WITH NEW WORK TO VERIFY DIMENSIONS AND EXTENT OF REMOVALS PRIOR TO BEGINNING WORK.
M. IN CASES WHERE A PORTION OF AN EXISTING WALL IS BEING REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE CONTRACTOR MAY REMOVE ADDITIONAL ADJACENT WALL CONSTRUCTION AND RECONSTRUCT THE BALANCE OF THE WALL IF IT IS BENEFICIAL TO THE WORK, AT THE CONTRACTOR'S OPTION AND EXPENSE. OBTAIN APPROVAL FROM ARCHITECT PRIOR TO REMOVING MORE THAN WHAT IS INDICATED.

PHASING NOTES:

1. PHASE 1 - CONSTRUCTION COMPLETE AND OPERATIONAL BEFORE CONSTRUCTION ON PHASE 2 COMMENCES.
2. PHASE 2 - TO REMAIN AS IS AND FUNCTIONAL UNTIL COMPLETION OF PHASE 1.

KEYNOTES

020801 REMOVE EXISTING MIRROR
020802 REMOVE EXISTING DOOR, FRAME, AND HARDWARE
020803 REMOVE EXISTING FLOOR TILES
020901 REMOVE EXISTING WALL TILES
020902 REMOVE EXISTING FLOOR TILES
020903 REMOVE EXISTING STUD AND GYPSUM BOARD PARTITION
021001 REMOVE EXISTING TOILET PARTITIONS
021002 REMOVE EXISTING TOILET ACCESSORIES
021201 REMOVE EXISTING COUNTERTOP
021202 REMOVE EXISTING DRINKING FOUNTAIN
022201 REMOVE EXISTING TOILET FIXTURE
022202 REMOVE EXISTING LAVATORY
022203 REMOVE EXISTING URINAL

LEGEND:

EXISTING TO BE REMOVED
EXISTING TO REMAIN
EXISTING TO BE SAWCUT AND REMOVED,
ADDITIONAL REMOVALS AND SELECTIVE DEMOLITION ACTIVITIES REFER TO PG21
**GENERAL NOTES:**

- Refer to CTA for additional General Notes and Specifications.
- Glazed tiles to the finish line at the intersection of the toilet walls and ceilings.
- Refer to finishes on toilets and walls.
- All wall to be Type 'A' unless otherwise noted.
- Refer to reflected ceiling plans for ceiling information on construction materials.
- Refer to G1.1 for additional general notes and specifications.
- Refer to A9.2 and specifications for additional information.

**KEYNOTES:**

- CTW-1, Refer to Material Selection Schedule.
- CTW-2, Refer to Material Selection Schedule.
- CTW-3, Refer to Material Selection Schedule.
- Wall-mounted Urinal Screen.
- Tank-Mounted Urinal Screen.
- Wall-Mounted Soap Dispenser.
- Surface-Mounted Paper Towel Dispenser.
- Surface-Mounted Sanitary Napkin Disposal Unit.
- Surface-Mounted Jumbo Roll Toilet Tissue Dispenser.
- Wall-Mounted Baby Changing Station.
- 18"x72" Mirror.
- 18"x36" Mirror Unit.
- 36" Grab Bar.
- 42" Grab Bar.
- 18" Grab Bar.
- Solid Surface Countertop.
- Trowel Finish Before Start of New Floor Finish.
- Adjacent Ceiling Finish.
- Ceiling Access Panels Are to be Painted to Match the Adjacent Wall Finish.
- Wall Diffuses, Grilles, Access Panel, Electrical Frames.
- Refer to Door Schedule for finishes on doors and finishes and heights.
- Refer to reflected ceiling plans for ceiling information.

**SCALE:** 3/8" = 1'-0"
GENERAL NOTES:
A. REFER TO G1.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

B. GYPSUM BOARD CEILINGS LOCATED IN TOILET ROOMS AND LOCKER ROOMS SHALL BE MOLD AND MOISTURE RESISTANT TYPE.

C. EXPOSED STRUCTURAL STEEL, METAL DECK, AND PRE-CAST CONCRETE SHALL BE PAINTED.

D. EXPOSED ELECTRICAL, PIPING, AND CONDUIT SHALL BE PAINTED.

E. FIRE PROTECTION SPRINKLER HEADS SHALL BE LOCATED WITHIN 2" OF THE CENTER OF ACOUSTICAL CEILING PANELS. COORDINATE WITH F.P. SYSTEM.

REFLECTED CEILING PLAN LEGEND:
- 24"x24" SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- SUSPENDED GYPSUM BOARD CEILING (PAINTED)
- RETURN AIR GRILLE, SEE MECHANICAL
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- EXHAUST GRILLE, SEE MECHANICAL
- METAL SOFFIT PANEL (PRE-FINISHED)
- ACCESS PANEL
### PLUMBING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>TAG</th>
<th>FIXTURE</th>
<th>DESCRIPTION</th>
<th>ACCEPTABLE MANUFACTURER</th>
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<tr>
<td>A</td>
<td>WC-1</td>
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<td>ZURN, KOBOLD, KOHLER, FLORESTA</td>
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<td>3/4&quot; DHW</td>
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### GENERAL NOTES

1. INSTALLATION OF PLUMBING FIXTURES AND ACCESSORIES, INCLUDING FLOOR DRains, SHALE, GAS AND VENT, SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND MICHIGAN AMENDMENTS, MUNICIPAL OR CITY CODES, AND THE AUTHORITY HAVING JURISDICTION.
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10. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
11. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
12. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
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17. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
18. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
19. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
20. CONTRACTOR TO FIELD VERIFY EXISTING PIPE LOCATIONS AND CONDITIONS.
Saws cut and patch concrete floor slab hatched area as required for new sanitary piping work. Patch concrete floor slab with 4000 psi concrete and trowel smooth. At the joint between concrete slabs, embed 3/4" dowel 8" long @48" O.C. into existing concrete with epoxy.

Remove existing humidifier, including water, steam and condensate piping. Patch duct work as required.

Remove existing plumbing fixture.
GENERAL NOTES
A. REFER TO SHEETS G1.1 AND P0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

KEYNOTES
1. CAP EXISTING DOMESTIC WATER PIPING.
GENERAL NOTES

1. All mechanical work shall be in accordance with Michigan Mechanical Code, latest applicable edition; the authority having jurisdiction and as specified elsewhere (includes, but is not limited to):

2. If non-Dampers Equipment is selected, the Contractor shall mark any additional issues to the mechanical schedule to identify the problems that occur. The problems that may occur include, but are not limited to:

3. Do not scale drawings for dimensions. Refer to Dimensional Drawings. It is the Contractor's responsibility to coordinate all details with other trades and to ensure that the final product will fit into the complete project. The Contractor shall be responsible for the final product.

4. The Contractor shall provide a shop drawing submittal indicating that all trades have signed off on the shop drawing submittal not noting all penetrations and trade contractor shall coordinate locations of all penetrations with the Division 26 contractor for power wiring. The Contractor shall provide access doors in all walls and ceilings as specifically noted.

5. All hanger systems for piping and equipment shall be secured to any structural supports for openings with structural trades. All structural, expansion and contraction joints shall be coordinated among the structural drawing, coordinate any structural supports for openings with the structural trades.

6. All structural, expansion and contraction joints shall be coordinated with the structural drawings, coordinate any structural supports for openings with structural trades.

7. All hanger systems for piping and equipment shall be secured to building structural supports.

8. Coordination of work with existing work to permit access and service clearance to all systems (coordinate duct with electrical systems to prevent obstructions).

9. Coordination of equipment shall conform to manufacturer's specifications.

10. All fire control systems shall be provided by Division 26 contractor. Unless otherwise specified, all fire control systems shall be provided by the Contractor. The Contractor shall be responsible for coordinating all fire control systems with other systems and for the final product. Components, coordinated with all other systems shall be designed for room ways.

11. Refer to detail sheets for additional information on installation methods.

12. The Contractor shall be responsible for any coordination of all penetrations with other structural, electrical, and mechanical systems. Access to the contractor's systems shall be provided by the Division 26 contractor. The Contractor shall be responsible for coordinating any penetrations with other systems. The Contractor shall be responsible for coordination with any structural, electrical, and mechanical systems. It is the responsibility of the Contractor to coordinate all penetrations with the Division 26 contractor.

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GENERAL NOTES

A. REFER TO SHEETS G1.1 AND M0.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

KEYNOTES

C. CAP EXISTING DUCT OPENING.
D. MODIFY DUCT AND REPLACE EXISTING TRANSFER GRILL - TYPICAL OF 2.

DIFFUSER SCHEDULE

EG-1: 12"x12"
MANUF: PRICE INDUSTRIES
MODEL: 80
FINISH: WHITE

TG-1: 22"x10"
MANUF: PRICE INDUSTRIES
MODEL: 80
FINISH: WHITE

EXISTING 18"x18" UP TO EXISTING REF-1 (1875 CFM)

EX-18"x10"  EA

EX-8"x4"  EA

EX-16"x8"  EA

EX-10"x8"  EA

EXISTING TRANSFER GRILL - 390 CFM - TYP. 4

EXISTING EXHAUST GRILL - 340 CFM - TYP. 4

REMOVE EXISTING STEAM HUMIDIFIER - COMPLETE

EXISTING SPRINKLER HEADS TO REMAIN.

SCALE:  1/4" = 1'-0"
EL_LIGHTING_FIXTURE_SCHEDULE

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<td>40 00K</td>
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**GENERAL NOTES**

A. REFER TO SHEETS E1.1 AND E2.1 FOR ADDITIONAL GENERAL NOTES AND INFORMATION.

**KEYNOTES - REMOVAL**

1. REMOVE EXISTING LIGHT FIXTURE, CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. EXISTING LIGHT CIRCUIT TO BE REUSED.
2. EXISTING FIRE ALARM DEVICE TO BE SALVAGED FOR REUSE.

**KEYNOTES - INSTALLATION**

1. TO EXISTING LIGHTING CIRCUIT.
2. EXISTING FIRE ALARM DEVICE TO BE REINSTALLED.
3. TO EXISTING 120V POWER CIRCUIT.

**PROJECT NUMBER**

2045-7060-00

**DATE:** AUGUST 21, 2020

**APPRV'D:** CEK

**DESIGNED:** ETB

**DRAWN:** CHK'D: