

# **SYSTEMS NOTES:**

DRAFTSTOPPING NOTE: DRAFT STOPPING SHALL BE PROVIDED AT FLOOR-CEILING AREAS AND ATTICS (ROOF-CEILING AREAS) PER MBC-2015, SECTION 718.3 AND SECTION 718.4 RESPECTFULLY.

F1 FIRST FLOOR: CONCRETE SLAB ON GRADE FLOOR, REFER TO STRUCTURAL DRAWINGS FOR DETAILS. PROVIDE R-10 RIGID INSULATION ACROSS PERIMETER + UNDER ENTIRE SLAB.

- F2 SECOND FLOOR (RESIDENTIAL UNITS AND CORRIDORS): 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, RÈFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # G229.
- F3 SECOND FLOOR (RESIDENTIAL BALCONIES): \$\frac{1}{2}"\$ COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 2" PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS
- F4 THIRD FLOOR (RESIDENTIAL UNITS): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR DECK GLUED AND SCREWED ON PRE-ENGINEERED WOOD FLOOR TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH 32 UNFACED BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., §" GYPSUM BOARD. MINIMUM ½ HOUR FIRE RATED REQUIRED, UL DESIGN # L574.
- F5 THIRD FLOOR (CORRIDOR): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR DECK GLUED AND SCREWED ON 2x10 WOOD FLOOR JOISTS (REFER TO STRUCTURAL DRAWINGS FOR SPACING), 2x WOOD FRAMING AS NEEDED WITH 32" UNFACED BATT INSULATION, 8" GYPSUM BOARD MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # L593.
- F6 THIRD FLOOR (RESIDENTIAL BALCONIES): \$\frac{x}{2}\text{" COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 1" PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2X8 WOOD JOISTS @ 16" O.C (REFER TO STRUCTURAL DRAWINGS) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD.

# R1 STANDING-SEAM METAL ROOF PANELS ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND

- SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C.. §" GYPSUM BOARD.
- R2 STANDING—SEAM METAL ROOF PANELS ON ₹ THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND
- R3 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON PRE ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING), WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24 O.C., F GYPSUM BOARD.
- R4 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS), 2x WOOD FRAMING AS NEEDED WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., 🖁
- R5 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED TO 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS).



# FIRST FLOOR PLAN 1/8" = 1'-0"

**EXTERIOR WALLS:** 

- EW1 # GYPSUM BOARD ON 38 METAL STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON 1½ CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8 CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).
- EW2 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # U905.
- EW3 = 8" GYPSUM BOARD ON EITHER 38" METAL STUDS @ 16" O.C. WITH R-20 BATT INSULATION ON 12" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 12" CMU AT FIRST FLOOR, OR 2x4 TREATED WOOD STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON 8" CMU AT SECOND & THIRD FLOOR.
- 12" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).
- SCREEN WALL 8'-0" HIGH: 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). PROVIDE A STONE CAP ON TOP OF THE WALL.
- EW6 \_\_\_\_\_ §" GYPSUM BOARD ON 2x6 WOOD STUDS @ 16" O.C. WITH R-21 BATT INSULATION. 2" PLYWOOD SHEATHING, 1" AIR SPACE, 4" BRICK VENEER.
- EW7 = § GYPSUM BOARD ON 2x6 WOOD STUDS @ 16 O.C. WITH R-21 BATT INSULATION. PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.
- EW8 \_\_\_\_\_\_ BALCONY SIDE WALL: WEATHER RESISTIVE BARRIER COMPOSITE PANELS, ½" PLYWOOD SHEATHING, 2x4 WOOD STUDS @ 16" O.C., 2" PLYWOOD SHEATHING, WEATHER RESISTIVE EW9 To ground Board on 4" Metal Studs @ 16" O.C., ±2" AIR SPACE, 4" METAL STUDS
- O.C., PROVIDE MINIMUM R-29 BATT INSULATION, 2" PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS. EW10 # GYPSUM BOARD ON 38 METAL STUDS @ 16" O.C. WITH R-20 BATT INSULATION ON 11/2" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU,

WEATHER RESISTIVE BARRIER COMPOSITE PANELS.

# **INTERIOR WALLS:**

MINIMUM ALLOWABLE FIRE-RESISTANCE RATING OF THE DWELLING UNIT SEPARATION AND CORRIDOR WALLS IS 1/2 HOUR PER MBC-2015, SECTION 708.3 EXCEPTION 2 AND TABLE 1020.1 RESPECTIVELY.

- IW1 2000 8" CMU, MINIMUM ONE HOUR FIRE RATED REQUIRED, UL DESIGN # U905. IW2 \$ GYPSUM BOARD ON 38 METAL STUDS @ 16 O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS @ 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), ON 8" CMU. MINIMUM ONE HOUR FIRE RATED EQUIRED, UL DESIGN #
- IW3 F" GYPSUM BOARD ON 38" METAL STUDS @ 16" O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS @ 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), 8" CMU., F" GYPSUM BOARD ON 3F" METAL STUDS @ 16" O.C.
- IW4 ZZZZZZZ CONDOMINIUM SEPARATION WALL (GA WP 3370): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., 8" TYPE "X" GYPSUM BOARD, WITH  $3\frac{1}{2}$ " SOUND BATT INSULATION ON ONE SIDE. MINIMUM  $\frac{1}{2}$  HOUR FIRE RATED REQUIRED, GA (GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL) DESIGN # WP 3370 REFERENCED UL DESIGN # U305.
- IW5 BEARING WALL: CONDOMINIUM SEPARATION WALL (GA WP 3370): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., } TYPE "X" GYPSUM BOARD, WITH  $3\frac{1}{2}$ " SOUND BATT INSULATION ON ONE SIDE. MINIMUM HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3370 REFERENCED UL DESIGN # U305.
- IW6 BEARING WALL: CORRIDOR SEPARATION WALL (GA WP 3243): 18 TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C. WITH GLASS FIBÉR SOUND ATTENUATION INSULATION, 1/2" RESILIENT CHANNELS @ 16" O.C. ON CORRIDOR SIDE, 1/2" TYPE "X" GYPSUM BOARD. MINIMUM  $\frac{1}{2}$  HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3240 REFERENCED LU DESIGN # U311.
- IW7 = §" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., §" GYPSUM BOARD.
- IW8 TENANT SEPARATION WALL AT FIRST FLOOR: §" TYPE "X" GYPSUM BOARD BOTH SIDES ON 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF METAL DECK ABOVE, CAULKED AND SEALED AIR TIGHT TO ACHIEVE ONE-HOUR FIRE RATING PER UL DESIGN NUMBER U465.

## **GENERAL NOTES:**

- 1. PROPOSED FINISH FIRST FLOOR ELEVATION ON PAVING & GRADING PLAN DRAWING (GP-01) IS 711.50. ASSUMED FINISH FIRST FLOOR ELEVATION ON THE ARCHITECTURAL DRAWINGS IS
- 2. ALL FLOORS SHALL BE EQUIPPED THROUGHOUT WITH AN NFPA 13 AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.1.1, MBC-2015 (MICHIGAN BUILDING
- 3. GENERAL CONTRACTOR (G.C.) TO VERIFY ALL INTERIOR SPACES DIMENSIONS IN THE RESIDENTIAL UNITS, BEFORE AND DURING CONSTRUCTION TO VERIFY THAT ALL RESIDENTIAL UNITS ARE IN COMPLIANCE WITH TYPE B ACCESSIBLE UNITS PER SECTION 1107, MBC-2015, AND SECTION 1004, ICC/ANSI A117.1.2009. G.C. SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. REFER TO SHEETS A-05.1, A-06.1, A-07.1, A-08.1, AND A-09.1.

### **DRAWING NOTES:**

- 1. 

  STEEL COLUMN (TYPICAL). SEE STRUCTURAL DRAWINGS.
- 2. ( ) STEEL COLUMN, SEE STRUCTURAL DRAWINGS, COVERED WITH 18" DIAMETER ROUND COMPOSITE PANEL COLUMN COVER (TYPICAL).
- ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (TYPICAL). SEE WINDOW SCHEDULE.
- 4. LINE OF SECOND FLOOR EDGE ABOVE.
- 5. 8'-4" x 6'-4" ELEVATOR SHAFT. SEE ELEVATOR DETAIL DRAWINGS.
- OPTIONAL FUTURE LOCATION OF 1 HOUR RATED TENANT SEPARATION WALL
- OPTIONAL FUTURE LOCATION OF ACCESSIBLE RESTROOM (SIX LOCATIONS). CONTRACTOR TO PROVIDE ONLY ROUGH UNDERGROUND PLUMBING WORK. DETAIL RESTROOM DESIGN SHALL BE PROVIDED AT THE TIME OF FUTURE TENANT INTERIOR LAYOUT DESIGN, AND SHALL BE IN COMPLIANCE WITH "ICC A117.1-2009.
- 8. ELECTRICAL TRANSFORMER LOCATION.
- 9. FIRE DEPARTMENT CONNECTION.

#### FIRST FLOOR (BUSINESS USE) VESTIBULE EXCEPTION NOTE:

- TOTAL AREA OF FIRST FLOOR BUSINESS USE IS 7,552 SQUARE FEET. THIS ARE HAS BEEN DIVIDED INTO 3 SPACES BY WALL SYSTEM (IW8), SEE INTERIOR WALLS IN SYSTEM NOTES. EACH SPACE IS 2,350 SQUARE FEET OR LESS. VESTIBULES ARE NOT REQUIRED AT DOORS THAT OPEN DIRECTLY FROM A SPACE LESS THAN 3,000 SQUARE FEET IN AREA PER ASHRAE 90.1,2013 SECTION "5.4.3.4 VESTIBULES" EXCEPTION "3":
- 5.4.3.4 Vestibules
- Building entrances that separate conditioned space from the exterior shall be protected with an enclosed vestibule, with all doors opening into and out of the vestibule equipped with self-closing devices. Vestibules shall be designed so that in passing through the vestibule it is not necessary for the interior and exterior doors to open at the same time. Interior and exterior doors shall have a minimum distance between them of not less than 7 feet when in the closed position. The floor area of each vestibule shall not exceed the greater of 50 feet2 or 2% of the gross conditioned floor area for that level of the building. The exterior envelope of conditioned vestibules shall comply with the requirements for a conditioned space. The interior and exterior envelope of unconditioned vestibules shall comply with the requirements for a semiheated space.
- 1. Doors not intended to be used by the public, such as doors to storage, mechanical, electrical, or equipment rooms.
- 2. Doors opening directly from a sleeping unit or dwelling unit. 3. Doors that open directly from a space less than 3,000 feet2 (298 m2) in area
- 4. Revolving doors.
- 5. Doors used primarily to facilitate shipping, receiving, or material handling.
- 6. Doors with no exterior entrance hardware. 7. Doors leading solely to outdoor eating areas.
- 8. Overhead doors.

SITE PLAN REVIEW	02/19/2024
ISSUED EOD	DATE

FIRST FLOOR PLAN	
ISSUED FOR	DATE
SITE PLAN REVIEW	02/19/2024

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Turk Architects

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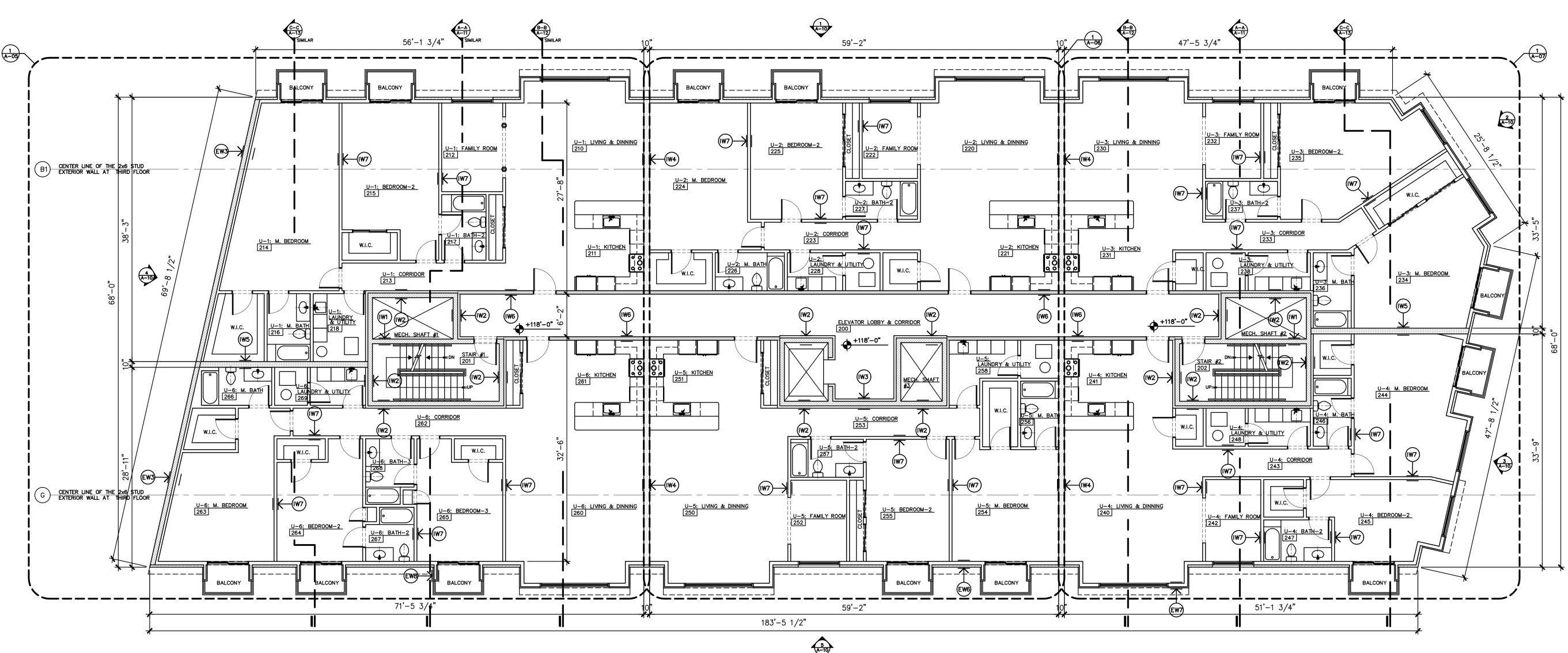
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# **SECOND FLOOR PLAN** 1/8" = 1'-0"

# **SYSTEMS NOTES:**

DRAFT STOPPING SHALL BE PROVIDED AT FLOOR-CEILING AREAS AND ATTICS (ROOF-CEILING AREAS) PER MBC-2015, SECTION 718.3 AND SECTION 718.4 RESPECTFULLY.

F1 FIRST FLOOR: CONCRETE SLAB ON GRADE FLOOR, REFER TO STRUCTURAL DRAWINGS FOR DETAILS. PROVIDE R-10 RIGID INSULATION ACROSS PERIMETER + UNDER ENTIRE SLAB.

- F2 SECOND FLOOR (RESIDENTIAL UNITS AND CORRIDORS): 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # G229.
- F3 SECOND FLOOR (RESIDENTIAL BALCONIES): \$\frac{1}{2}\text{"} COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 1 PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS.

F4 THIRD FLOOR (RESIDENTIAL UNITS): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR

- DECK GLUED AND SCREWED ON PRE-ENGINEERED WOOD FLOOR TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH 31/2" UNFACED BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # L574. F5 THIRD FLOOR (CORRIDOR): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR DECK GLUED
- AND SCREWED ON 2x10 WOOD FLOOR JOISTS (REFER TO STRUCTURAL DRAWINGS FOR SPACING), 2x WOOD FRAMING AS NEEDED WITH 32 UNFACED BATT INSULATION, 8 GYPSUM BOARD. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # L593.
- F6 THIRD FLOOR (RESIDENTIAL BALCONIES): \( \frac{1}{2} \) COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 1" PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2X8 WOOD JOISTS @ 16" O.C. (REFER TO STRUCTURAL DRAWINGS) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD.

R1 STANDING-SEAM METAL ROOF PANELS ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C.. F GYPSUM BOARD.

- R2 STANDING-SEAM METAL ROOF PANELS ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND
- R3 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON PRE ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING), WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD.
- R4 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS), 2x WOOD FRAMING AS NEEDED WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., §"
- R5 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED TO 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS).

# WALLS:

**EXTERIOR WALLS:** 

EW1 # §" GYPSUM BOARD ON 3§" METAL STUDS @ 16" O.C. WITH R-20 BATT INSULATION ON 1/3" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU, 1" AÏR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).

EW2 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # U905.

EW3 F GYPSUM BOARD ON EITHER 38 METAL STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON 13" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 12" CMU AT FIRST FLOOR, OR 2x4 TREATED WOOD STUDS © 16 O.C. WITH R-20

BATT INSULATION ON 8" CMU AT SECOND & THIRD FLOOR. EW4 22 12" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).

EW5 SCREEN WALL 8'-0" HIGH: 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). PROVIDE A STONE CAP ON TOP OF THE WALL.

EW6 \_\_\_\_\_ §" GYPSUM BOARD ON 2x6 WOOD STUDS @ 16" O.C. WITH R-21 BATT INSULATION. 1" PLYWOOD SHEATHING, 1" AIR SPACE, 4" BRICK VENEER. EW7  $\longrightarrow$  §" GYPSUM BOARD ON 2x6 WOOD STUDS @ 16" O.C. WITH R-21 BATT INSULATION.  $\frac{1}{2}$ " PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.

EW8 BALCONY SIDE WALL: WEATHER RESISTIVE BARRIER COMPOSITE PANELS, 1 PLYWOOD SHEATHING, 2x4 WOOD STUDS @ 16" O.C., 2" PLYWOOD SHEATHING, WEATHER RESISTIVE

EW9 TO GYPSUM BOARD ON 4" METAL STUDS @ 16" O.C., ±2" AIR SPACE, 4" METAL STUDS 16" O.C., PROVIDE MINIMUM R-29 BATT INSULATION, 1" PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.

EW10 \$ GYPSUM BOARD ON 38 METAL STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON 2" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.

# **INTERIOR WALLS:**

FIRE-RESISTANCE RATING NOTE: MINIMUM ALLOWABLE FIRE-RESISTANCE RATING OF THE DWELLING UNIT SEPARATION AND CORRIDOR WALLS IS 1/2 HOUR PER MBC-2015, SECTION 708.3 EXCEPTION 2 AND TABLE 1020.1 RESPECTIVELY.

IW1 8" CMU, MINIMUM ONE HOUR FIRE RATED REQUIRED, UL DESIGN # U905.

IW2 TO GYPSUM BOARD ON 38 METAL STUDS @ 16" O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS @ 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), ON 8" CMU. MINIMUM ONE HOUR FIRE RATED EQUIRED, UL DESIGN #

IW3 8" GYPSUM BOARD ON 35" METAL STUDS @ 16" O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS @ 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), 8" CMU., §" GYPSUM BOARD ON 3\( \) METAL STUDS @ 16" O.C.

IW4 ZZZZZZ CONDOMINIUM SEPARATION WALL (GA WP 3370): § TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., §" TYPE "X" GYPSUM BOARD, WITH 33" SOUND BATT INSULATION ON ONE SIDE. MINIMUM 1 HOUR FIRE RATED REQUIRED, GA (GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL) DESIGN # WP 3370 REFERENCED UL DESIGN # U305.

IW5 BEARING WALL: CONDOMINIUM SEPARATION WALL (GA WP 3370): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., §" TYPE "X" GYPSUM BOARD, WITH 31 SOUND BATT INSULATION ON ONE SIDE. MINIMUM HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3370 REFERENCED UL DESIGN # U305.

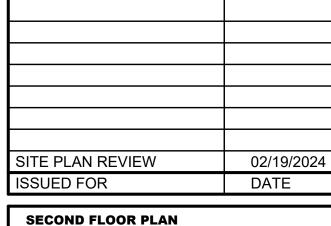
IW6 BEARING WALL: CORRIDOR SEPARATION WALL (GA WP 3243): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C. WITH GLASS FIBER SOUND ATTENUATION INSULATION, 1 RESILIENT CHANNELS 9 16" O.C. ON CORRIDOR SIDE, 5" TYPE "X" GYPSUM BOARD. MINIMUM  $\frac{1}{2}$  HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3240 REFERENCED LU DESIGN # U311.

IW7 = §" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., §" GYPSUM BOARD.

IW8 TENANT SEPARATION WALL AT FIRST FLOOR: §" TYPE "X" GYPSUM BOARD BOTH SIDES ON 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF METAL DECK ABOVE, CAULKED AND SEALED AIR TIGHT TO ACHIEVE ONE-HOUR FIRE RATING PER UL DESIGN NUMBER U465.

# **GENERAL NOTES:**

- 1. PROPOSED FINISH FIRST FLOOR ELEVATION ON PAVING & GRADING PLAN DRAWING (GP-01) IS 711.50. ASSUMED FINISH FIRST FLOOR ELEVATION ON THE ARCHITECTURAL DRAWINGS IS
- 2. ALL FLOORS SHALL BE EQUIPPED THROUGHOUT WITH AN NFPA 13 AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.1.1, MBC-2015 (MICHIGAN BUILDING
- 3. GENERAL CONTRACTOR (G.C.) TO VERIFY ALL INTERIOR SPACES DIMENSIONS IN THE RESIDENTIAL UNITS, BEFORE AND DURING CONSTRUCTION TO VERIFY THAT ALL RESIDENTIAL UNITS ARE IN COMPLIANCE WITH TYPE B ACCESSIBLE UNITS PER SECTION 1107, MBC-2015, AND SECTION 1004, ICC/ANSI A117.1.2009. G.C. SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. REFER TO SHEETS A-05.1, A-06.1, A-07.1, A-08.1, AND A-09.1.



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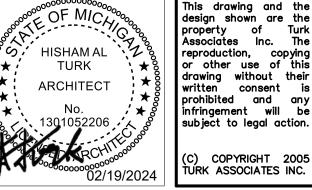
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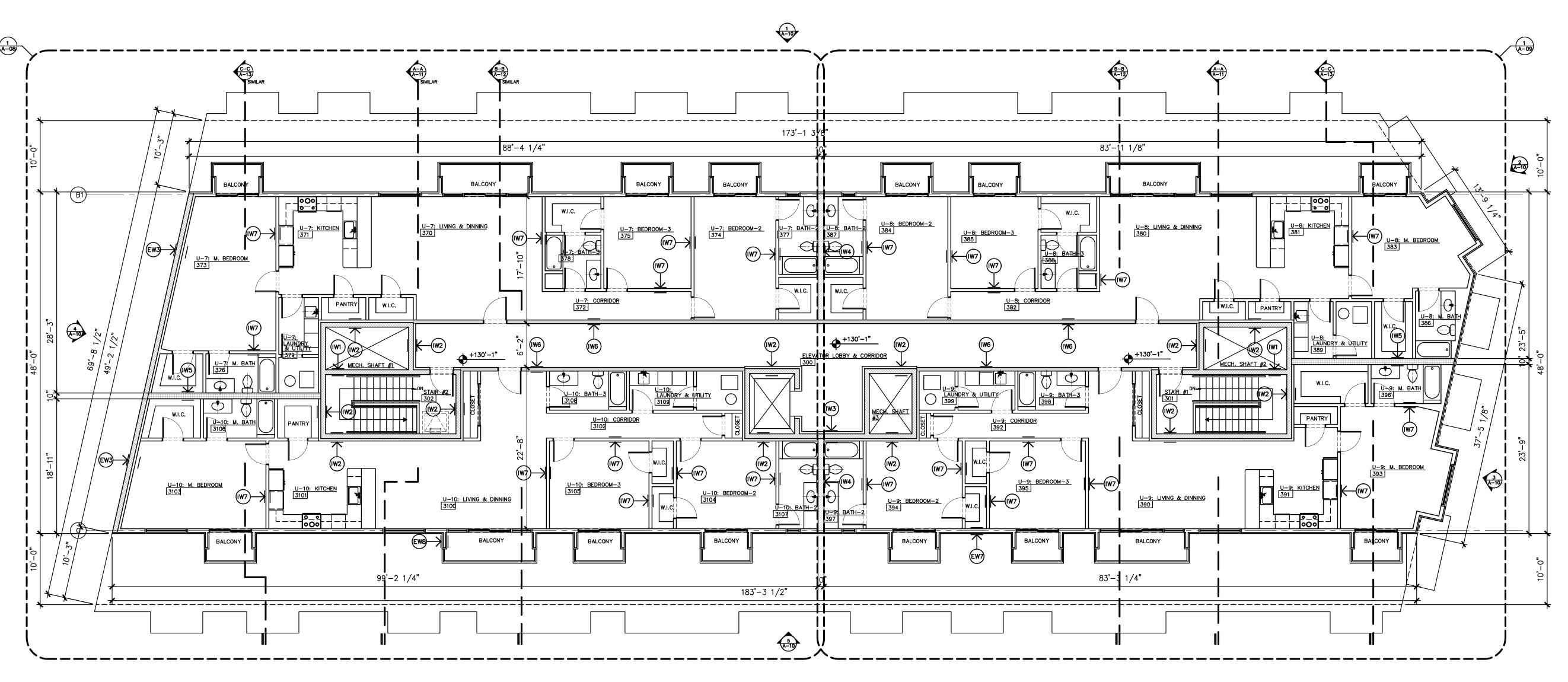
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# THIRD FLOOR PLAN

# **SYSTEMS NOTES:**

DRAFTSTOPPING NOTE: DRAFT STOPPING SHALL BE PROVIDED AT FLOOR-CEILING AREAS AND ATTICS (ROOF-CEILING AREAS) PER MBC-2015, SECTION 718.3 AND SECTION 718.4 RESPECTFULLY.

- F1 FIRST FLOOR: CONCRETE SLAB ON GRADE FLOOR, REFER TO STRUCTURAL DRAWINGS FOR DETAILS. PROVIDE R-10 RIGID INSULATION ACROSS PERIMETER + UNDER ENTIRE SLAB.
- F2 SECOND FLOOR (RESIDENTIAL UNITS AND CORRIDORS): 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # G229.
- F3 SECOND FLOOR (RESIDENTIAL BALCONIES): \$\frac{x}{2}\tau COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 1" PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS.
- F4 THIRD FLOOR (RESIDENTIAL UNITS): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR DECK GLUED AND SCREWED ON PRE-ENGINEERED WOOD FLOOR TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH 31 UNFACED BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., F" GYPSUM BOARD. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # L574.
- F5 THIRD FLOOR (CORRIDOR): ¾" GYPCRETE WITH ACOUSTIMAT ON ¾" T&G SUB-FLOOR DECK GLUED AND SCREWED ON 2x10 WOOD FLOOR JOISTS (REFER TO STRUCTURAL DRAWINGS FOR SPACING), 2x WOOD FRAMING AS NEEDED WITH 31" UNFACED BATT INSULATION, 8" GYPSUM BOARD. MINIMUM ½ HOUR FIRE RATED REQUIRED, UL DESIGN # L593.
- F6 THIRD FLOOR (RESIDENTIAL BALCONIES): \$\frac{1}{2}\text{"} COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 1 PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2X8 WOOD JOISTS 9 16 O.C. (REFER TO STRUCTURAL DRAWINGS) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD.

- R1 STANDING-SEAM METAL ROOF PANELS ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C.. F" GYPSUM BOARD.
- R2 STANDING—SEAM METAL ROOF PANELS ON THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING), METAL SOFFIT. R3 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON 3" THICK MINIMUM ROOF
- SHEATHING GLUED AND SCREWED, ON PRE ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING), WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24"
- R4 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS), 2x WOOD FRAMING AS NEEDED WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., §
- R5 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED TO 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS).

- EW1 \$\frac{1}{2}\text{" GYPSUM BOARD ON 3\}\text{8" METAL STUDS @ 16" O.C. WITH R-20 BATT INSULATION ON 1\frac{1}{2}\text{" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).
- 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # U905.
- EW3 FOR GYPSUM BOARD ON EITHER 38 METAL STUDS © 16 O.C. WITH R-20 BATT INSULATION ON 12" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 12" CMU AT FIRST FLOOR, OR 2x4 TREATED WOOD STUDS @ 16 O.C. WITH R-20
- BATT INSULATION ON 8" CMU AT SECOND & THIRD FLOOR. EW4 TIZ" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).
- EW5 SCREEN WALL 8'-0" HIGH: 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK
- VENEER). PROVIDE A STONE CAP ON TOP OF THE WALL. EW6 \_\_\_\_\_ §" GYPSUM BOARD ON 2x6 WOOD STUDS @ 16" O.C. WITH R-21 BATT INSULATION. ½ PLYWOOD SHEATHING, 1" AIR SPACE, 4" BRICK VENEER.
- EW7 = § GYPSUM BOARD ON 2x6 WOOD STUDS @ 16 O.C. WITH R-21 BATT INSULATION. 2
- PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.
- EW8 BALCONY SIDE WALL: WEATHER RESISTIVE BARRIER COMPOSITE PANELS, 1 PLYWOOD SHEATHING, 2x4 WOOD STUDS @ 16" O.C., 1" PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.
- EW9 = §" GYPSUM BOARD ON 4" METAL STUDS @ 16" O.C.,  $\pm$ 2" AIR SPACE, 4" METAL STUDS @ 16" O.C., PROVIDE MINIMUM R-29 BATT INSULATION,  $\frac{1}{2}$ " PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.
- EW10 5 GYPSUM BOARD ON 38 METAL STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON 1½" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.

# INTERIOR WALLS:

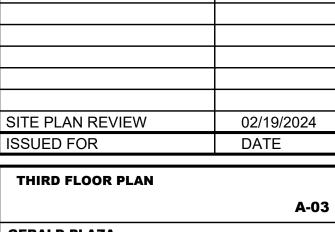
FIRE-RESISTANCE RATING NOTE: MINIMUM ALLOWABLE FIRE-RESISTANCE RATING OF THE DWELLING UNIT SEPARATION AND CORRIDOR WALLS IS 1/2 HOUR PER MBC-2015, SECTION 708.3 EXCEPTION 2 AND TABLE 1020.1 RESPECTIVELY.

IW1 2000 8" CMU, MINIMUM ONE HOUR FIRE RATED REQUIRED, UL DESIGN # U905. IW2 # GYPSUM BOARD ON 38 METAL STUDS @ 16 O.C. AT FIRST FLOOR WITH R-20 BATT

- INSULATION (2x4 WOOD STUDS @ 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), ON 8" CMU. MINIMUM ONE HOUR FIRE RATED EQUIRED, UL DESIGN #
- IW3 F" GYPSUM BOARD ON 35 METAL STUDS © 16" O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS © 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), 8" CMU., §" GYPSUM BOARD ON 38" METAL STUDS @ 16" O.C.
- IW4 ZZZZZZ CONDOMINIUM SEPARATION WALL (GA WP 3370): 8" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., 1" TYPE "X" GYPSUM BOARD, WITH  $3\frac{1}{2}$ " SOUND BATT INSULATION ON ONE SIDE. MINIMUM  $\frac{1}{2}$  HOUR FIRE RATED REQUIRED, GA (GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL) DESIGN # WP 3370 REFERENCED UL DESIGN # U305.
- IW5 \_\_\_\_\_\_ BEARING WALL: CONDOMINIUM SEPARATION WALL (GA WP 3370): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., § TYPE "X" GYPSUM BOARD, WITH 31 SOUND BATT INSULATION ON ONE SIDE. MINIMUM 1 HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3370 REFERENCED UL DESIGN # U305.
- IW6 ==== BEARING WALL: CORRIDOR SEPARATION WALL (GA WP 3243): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C. WITH GLASS FIBER SOUND ATTENUATION INSULATION, ½" RESILIENT CHANNELS @ 16" O.C. ON CORRIDOR SIDE, §" TYPE "X" GYPSUM BOARD. MINIMUM 1 HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3240
- REFERENCED LU DESIGN # U311. IW7 = §" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., §" GYPSUM BOARD.
- IW8 TENANT SEPARATION WALL AT FIRST FLOOR: §" TYPE "X" GYPSUM BOARD BOTH SIDES ON 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF METAL DECK ABOVE, CAULKED AND SEALED AIR TIGHT TO ACHIEVE ONE-HOUR FIRE RATING PER UL DESIGN NUMBER U465.

## **GENERAL NOTES:**

- 1. PROPOSED FINISH FIRST FLOOR ELEVATION ON PAVING & GRADING PLAN DRAWING (GP-01) IS 711.50. ASSUMED FINISH FIRST FLOOR ELEVATION ON THE ARCHITECTURAL DRAWINGS IS
- 2. ALL FLOORS SHALL BE EQUIPPED THROUGHOUT WITH AN NFPA 13 AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.1.1, MBC-2015 (MICHIGAN BUILDING
- 3. GENERAL CONTRACTOR (G.C.) TO VERIFY ALL INTERIOR SPACES DIMENSIONS IN THE RESIDENTIAL UNITS. BEFORE AND DURING CONSTRUCTION TO VERIFY THAT ALL RESIDENTIAL UNITS ARE IN COMPLIANCE WITH TYPE B ACCESSIBLE UNITS PER SECTION 1107, MBC-2015, AND SECTION 1004, ICC/ANSI A117.1.2009. G.C. SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. REFER TO SHEETS A-05.1, A-06.1, A-07.1, A-08.1, AND A-09.1.









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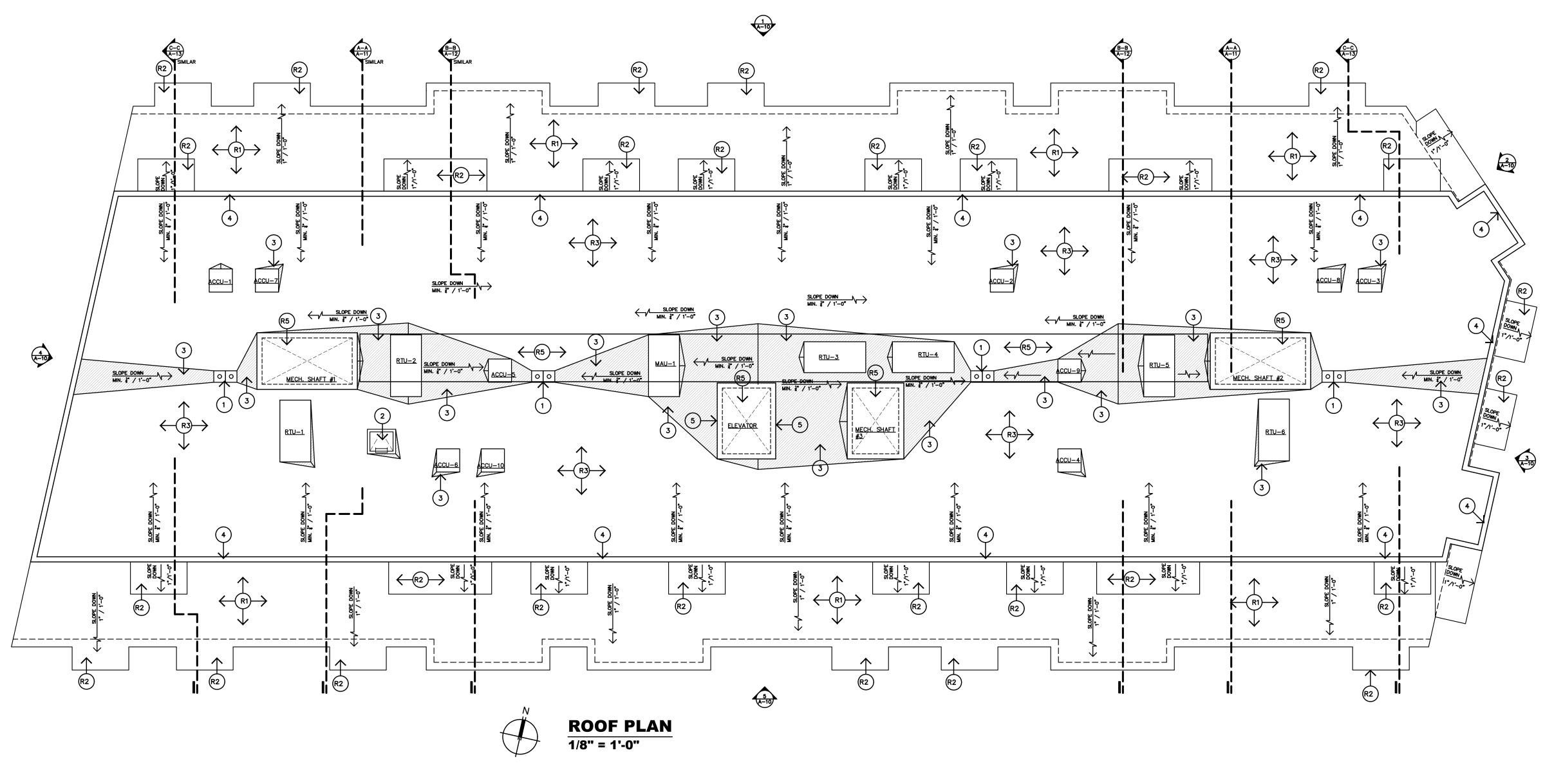
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# **SYSTEMS NOTES:**

RATED REQUIRED, UL DESIGN # G229.

DRAFT STOPPING SHALL BE PROVIDED AT FLOOR-CEILING AREAS AND ATTICS (ROOF-CEILING AREAS) PER MBC-2015, SECTION 718.3 AND SECTION 718.4 RESPECTFULLY.

F1 FIRST FLOOR: CONCRETE SLAB ON GRADE FLOOR, REFER TO STRUCTURAL DRAWINGS FOR DETAILS. PROVIDE R-10 RIGID INSULATION ACROSS PERIMETER + UNDER ENTIRE SLAB.

- F2 SECOND FLOOR (RESIDENTIAL UNITS AND CORRIDORS): 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS. MINIMUM 1 HOUR FIRE
- F3 SECOND FLOOR (RESIDENTIAL BALCONIES): \$\frac{1}{2}\text{" COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 1" PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2" CONCRETE ON 2" METAL DECK ON STEEL BEAMS, REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS.
- F4 THIRD FLOOR (RESIDENTIAL UNITS): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR DECK GLUED AND SCREWED ON PRE-ENGINEERED WOOD FLOOR TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH 32 UNFACED BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., F" GYPSUM BOARD. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # L574.
- F5 THIRD FLOOR (CORRIDOR): ₹ GYPCRETE WITH ACOUSTIMAT ON ₹ T&G SUB-FLOOR DECK GLUED AND SCREWED ON 2x10 WOOD FLOOR JOISTS (REFER TO STRUCTURAL DRAWINGS FOR SPACING), 2x WOOD FRAMING AS NEEDED WITH 3½" UNFACED BATT INSULATION, §" GYPSUM BOARD. MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # L593.
- F6 THIRD FLOOR (RESIDENTIAL BALCONIES): ₹" COMPOSITE DECKING, P.T. 2x SLEEPERS, SINGLE PLY MEMBRANE, 2" PLYWOOD SHEATHING, 2x BLOCKING CUT TO SLOPE, 2X8 WOOD JOISTS @ 16" O.C. (REFER TO STRUCTURAL DRAWINGS) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD.

- R1 STANDING-SEAM METAL ROOF PANELS ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING) WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C.. §" GYPSUM BOARD.
- R2 STANDING-SEAM METAL ROOF PANELS ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED ON PRE-ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND
- R3 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON PRE ENGINEERED WOOD TRUSSES (REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPACING), WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., § GYPSUM BOARD.
- R4 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON 3" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED, ON 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS), 2x WOOD FRAMING AS NEEDED WITH R-49 BATT INSULATION, RESILIENT CHANNELS @ 24" O.C., §
- R5 SINGLE PLY MEMBRANE ROOFING, ON 1" MINIMUM RIGID INSULATION, ON ₹" THICK MINIMUM ROOF SHEATHING GLUED AND SCREWED TO 2x10 WOOD JOISTS (REFER TO STRUCTURAL DRAWINGS).

# **EXTERIOR WALLS:**

- EW1 \$\frac{1}{2}\text{" GYPSUM BOARD ON 3\frac{1}{2}\text{" METAL STUDS @ 16" O.C. WITH R-20 BATT INSULATION ON 1\frac{1}{2}\text{" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU, 1" AÏR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).
- EW2 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). MINIMUM 1 HOUR FIRE RATED REQUIRED, UL DESIGN # U905.
- EW3 F" GYPSUM BOARD ON EITHER 38" METAL STUDS @ 16" O.C. WITH R-20 BATT INSULATION ON 1½" CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 12" CMU AT FIRST FLOOR, OR 2x4 TREATED WOOD STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON 8" CMU AT SECOND & THIRD FLOOR.
- EW4 2000 12" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER).
- EW5 SCREEN WALL 8'-0" HIGH: 8" CMU, 1" AIR SPACE, 4" MASONRY (STONE OR BRICK) VENEER (REFER TO BUILDING ELEVATION DRAWINGS FOR LOCATION OF STONE AND BRICK VENEER). PROVIDE A STONE CAP ON TOP OF THE WALL.
- EW6 \_\_\_\_\_ §" GYPSUM BOARD ON 2x6 WOOD STUDS @ 16" O.C. WITH R-21 BATT INSULATION. ½ PLYWOOD SHEATHING, 1" AIR SPACE, 4" BRICK VENEER.
- EW7 \$\frac{1}{2}\text{9} \frac{1}{2}\text{0} \text{GYPSUM BOARD ON 2x6 WOOD STUDS \$\frac{1}{2}\text{0} 16\text{0} 0.C. With R-21 batt insulation. \$\frac{1}{2}\text{0} \text{PLYWOOD SHEATHING, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.}
- EW8 BALCONY SIDE WALL: WEATHER RESISTIVE BARRIER COMPOSITE PANELS, 1 PLYWOOD SHEATHING, 2x4 WOOD STUDS @ 16" O.C., 1" PLYWOOD SHEATHING, WEATHER RESISTIVE
- WEATHER RESISTIVE BARRIER COMPOSITE PANELS.
- EW10 F" GYPSUM BOARD ON 38 METAL STUDS @ 16 O.C. WITH R-20 BATT INSULATION ON  $1\frac{1}{2}$ " CONTINUOUS FOIL FACED POLYISOCYANURATE BOARD INSULATION R-9, 8" CMU, WEATHER RESISTIVE BARRIER COMPOSITE PANELS.

# **INTERIOR WALLS:**

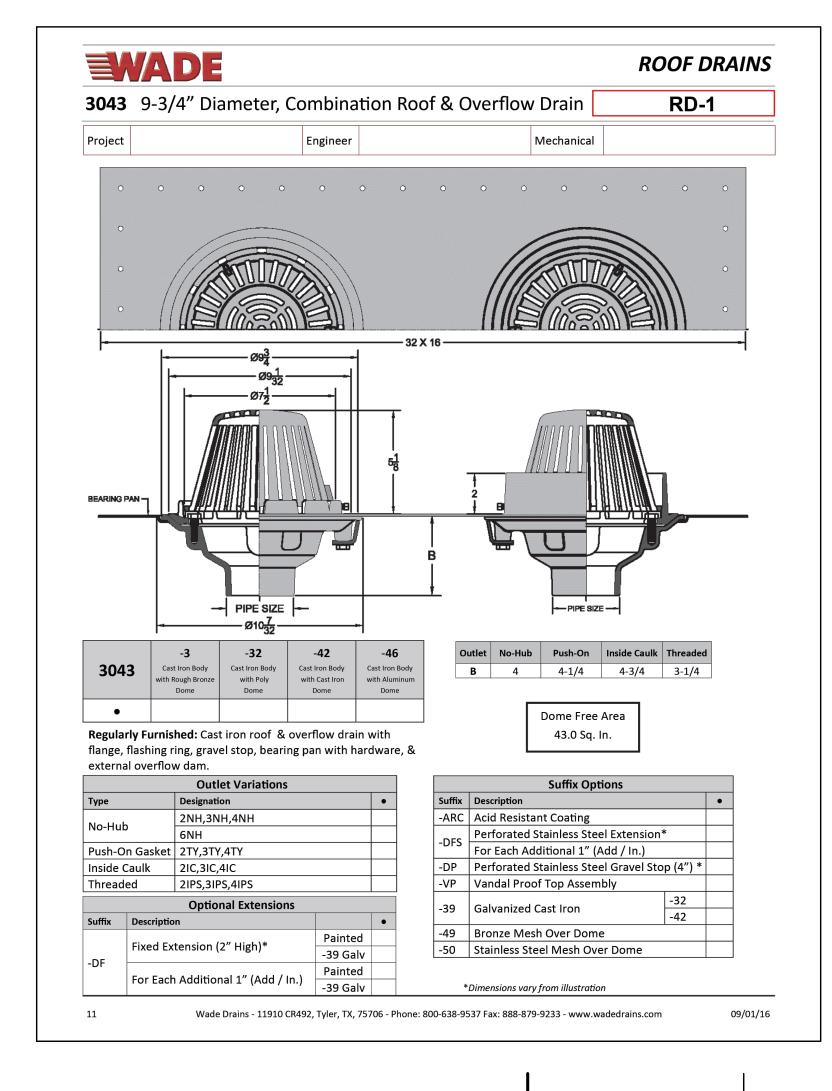
FIRE-RESISTANCE RATING NOTE:

MINIMUM ALLOWABLE FIRE-RESISTANCE RATING OF THE DWELLING UNIT SEPARATION AND CORRIDOR WALLS IS 1/2 HOUR PER MBC-2015, SECTION 708.3 EXCEPTION 2 AND TABLE 1020.1 RESPECTIVELY.

- IW1 8" CMU, MINIMUM ONE HOUR FIRE RATED REQUIRED, UL DESIGN # U905. IW2 F" GYPSUM BOARD ON 35 METAL STUDS © 16 O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS © 16 O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), ON 8" CMU. MINIMUM ONE HOUR FIRE RATED EQUIRED, UL DESIGN #
- IW3 \$\frac{8}{200} \text{ GYPSUM BOARD ON 3\frac{8}{2}} METAL STUDS @ 16" O.C. AT FIRST FLOOR WITH R-20 BATT INSULATION (2x4 WOOD STUDS @ 16" O.C. AT SECOND AND THIRD FLOOR WITH R-20 BATT INSULATION), 8" CMU., 8" GYPSUM BOARD ON 38" METAL STUDS @ 16" O.C.
- IW4 ZZZZZZZ CONDOMINIUM SEPARATION WALL (GA WP 3370): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., \$" TYPE "X" GYPSUM BOARD, WITH 31 SOUND BATT INSULATION ON ONE SIDE. MINIMUM 1 HOUR FIRE RATED REQUIRED, GA (GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL) DESIGN
- # WP 3370 REFERENCED UL DESIGN # U305. IW5 BEARING WALL: CONDOMINIUM SEPARATION WALL (GA WP 3370): 8" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., 1" AIR SPACE, 2x4 WOOD STUDS @ 16" O.C., §" TYPE "X" GYPSUM BOARD, WITH 31 SOUND BATT INSULATION ON ONE SIDE. MINIMUM HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3370 REFERENCED UL DESIGN # U305.
- IW6 BEARING WALL: CORRIDOR SEPARATION WALL (GA WP 3243): §" TYPE "X" GYPSUM BOARD, 2x4 WOOD STUDS © 16" O.C. WITH GLASS FIBER SOUND ATTENUATION INSULATION, 1/2" RESILIENT CHANNELS @ 16" O.C. ON CORRIDOR SIDE, 1/2" TYPE "X" GYPSUM BOARD. MINIMUM ½ HOUR FIRE RATED REQUIRED, GA DESIGN # WP 3240 REFERENCED LU DESIGN # U311.
- IW7 = §" GYPSUM BOARD, 2x4 WOOD STUDS @ 16" O.C., §" GYPSUM BOARD.
- IW8 TENANT SEPARATION WALL AT FIRST FLOOR: §" TYPE "X" GYPSUM BOARD BOTH SIDES ON 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF METAL DECK ABOVE, CAULKED AND SEALED AIR TIGHT TO ACHIEVE ONE-HOUR FIRE RATING PER UL DESIGN NUMBER U465.

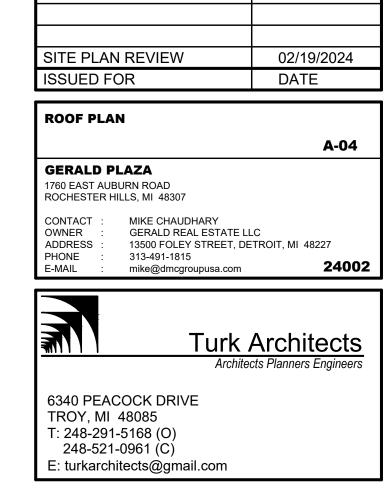
## **GENERAL NOTES:**

- 1. PROPOSED FINISH FIRST FLOOR ELEVATION ON PAVING & GRADING PLAN DRAWING (GP-01) IS 711.50. ASSUMED FINISH FIRST FLOOR ELEVATION ON THE ARCHITECTURAL DRAWINGS IS
- 2. ALL FLOORS SHALL BE EQUIPPED THROUGHOUT WITH AN NFPA 13 AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.1.1, MBC-2015 (MICHIGAN BUILDING
- 3. GENERAL CONTRACTOR (G.C.) TO VERIFY ALL INTERIOR SPACES DIMENSIONS IN THE RESIDENTIAL UNITS, BEFORE AND DURING CONSTRUCTION TO VERIFY THAT ALL RESIDENTIAL UNITS ARE IN COMPLIANCE WITH TYPE B ACCESSIBLE UNITS PER SECTION 1107, MBC-2015, AND SECTION 1004, ICC/ANSI A117.1.2009. G.C. SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. REFER TO SHEETS A-05.1, A-06.1, A-07.1, A-08.1, AND A-09.1.

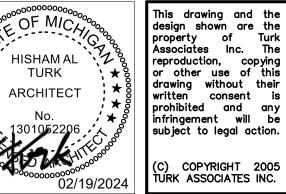


# **DRAWING NOTES:**

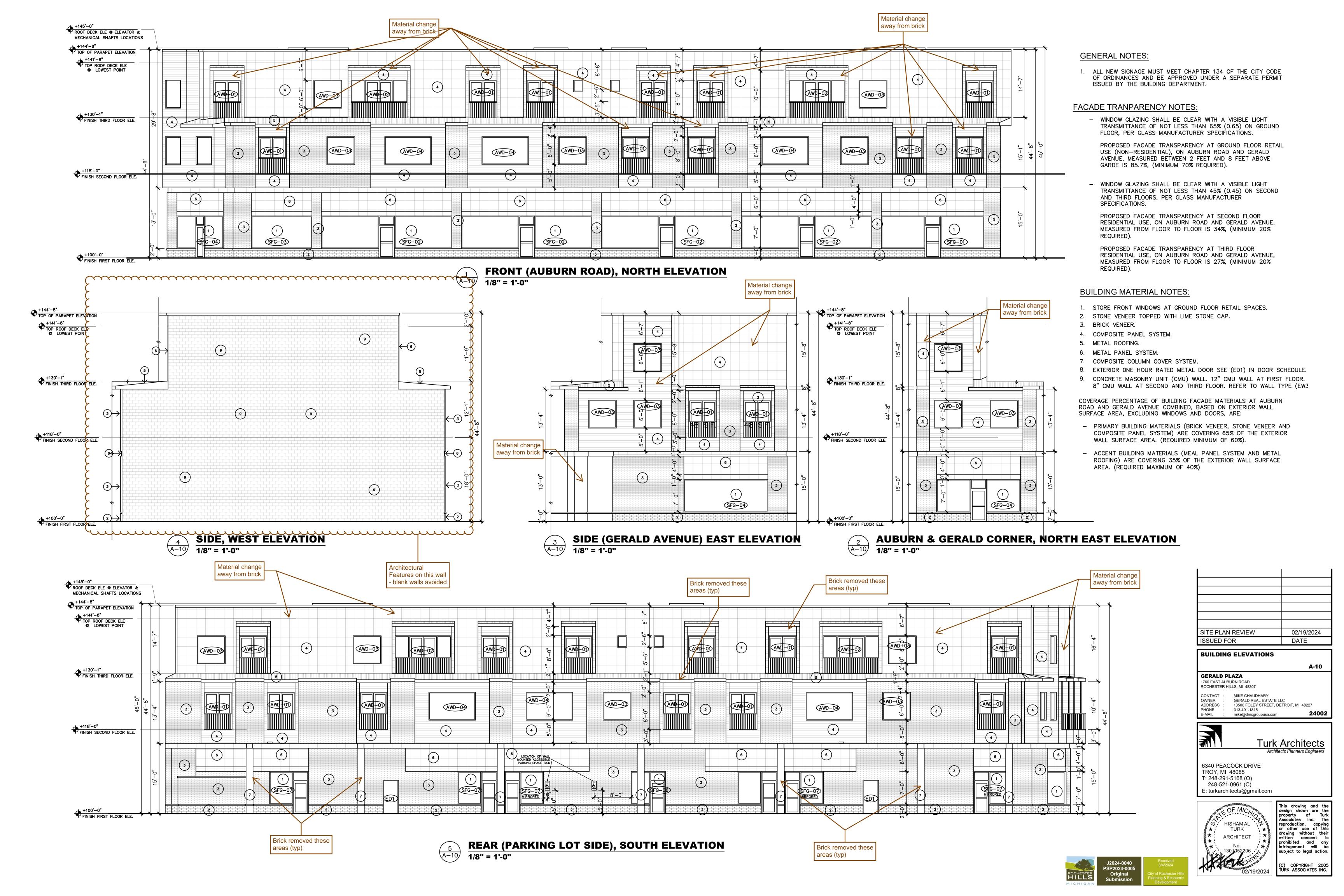
- 1. COMBINED PRIMARY ROOF DRAIN WITH SECONDARY OVERFLOW DRAIN (REFER TO MECHANICAL DRAWING FOR DRAIN PIPE SIZES), CONTRACTOR TO PROVIDE THE
- THE INVERT ELEVATION OF THE SECONDARY OVERFLOW DRAIN SHALL BE 2" HIGHER THEN THE INVERT OF THE PRIMARY DRAIN. THE INLET AND OUTLET FOR EACH DRAIN SHALL BE INDEPENDENT.
- SECONDARY OVERFLOW DRAIN SYSTEM SHALL HAVE THE END POINT OF DISCHARGE SEPARATE FROM THE PRIMARY DRAIN SYSTEM.
- SECONDARY OVERFLOW DRAIN DISCHARGE SHALL BE ABOVE GRADE, IN A LOCATION THAT WOULD NORMALLY BE OBSERVED BY THE BUILDING OCCUPANTS OR MAINTENANCE PERSONNEL.
- WADE 3043, 9¾ ø, COMBINATION ROOF & OVERFLOW DRAIN (SEE SUBMITTAL ON THIS SHEET), OR APPROVED EQUAL.
- 2. ROOF ACCESS HATCH
- 3. BUILD UP ROOF INSULATION (SLOP TO ROOF DRAIN).
- 4. PROVIDE PRE-FINISHED METAL STANDING SEAM CAP FLASHING AT PERIMETER
- 5. PROVIDE ELEVATOR SHAFT VENTILATION LOUVER AT THE SIDE WALL OF THE ELEVATOR SHAFT. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

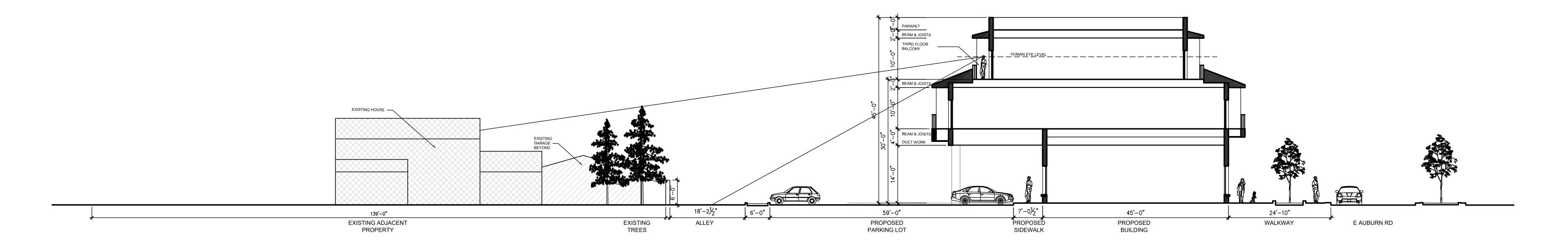












SITE SECTION 3/32" = 1'-0"







**VIEW FROM E AUBURN RD TOWARD GERALD AVE** 







6340 PEACOCK DRIVE TROY, MI 48085 T: 248-291-5168 (O) 248-521-0961 (C) E: turkarchitects@gmail.com

SITE PLAN REVIEW

GERALD PLAZA 1760 EAST AUBURN ROAD ROCHESTER HILLS, MI 48307

ISSUED FOR

SITE SECTION

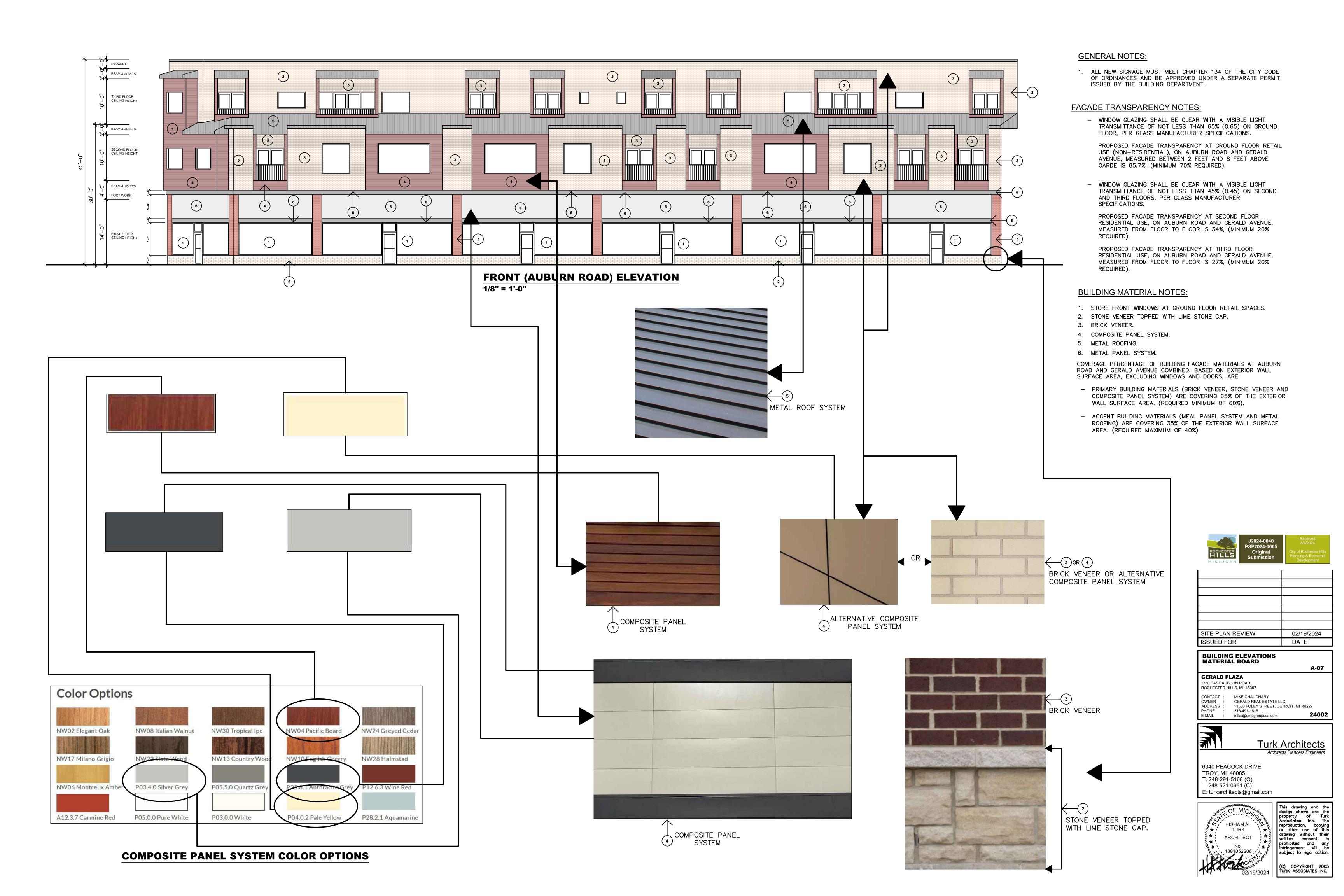
02/19/2024

DATE

MIKE CHAUDHARY
GERALD REAL ESTATE LLC
13500 FOLEY STREET, DETROIT, MI 48227
313-491-1815
mike@dmcgroupusa.com

Turk Architects

Architects Planners Engineers





March 15, 2024

Jennifer MacDonald City of Rochester Hills 1000 Rochester Hills Drive Rochester Hills, MI 48309

Reference: Gerald Plaza

CAMS #202400137

Part of the NE ¼ of Section 36, City of Rochester Hills

Dear Ms. MacDonald,

This office has received a set of plans for the Gerald Plaza Project to be developed in part of the Northeast ¼ of Section 36, City of Rochester Hills.

Our stormwater system review indicates that the proposed project may have an involvement with the Ireland Drain, which is a legally established County Drain under the jurisdiction of this office. Therefore, a storm drain permit may be required from this office. Please submit a set of plans through our online permitting portal at <a href="https://www.oakgov.com/government/water-resources-commissioner/projects/permitting">https://www.oakgov.com/government/water-resources-commissioner/projects/permitting</a>.

The water system is operated and maintained by the City of Rochester Hills and plans must be submitted to the City of Rochester Hills for review.

The sanitary sewer is within the Clinton Oakland Sewage Disposal System. Any proposed sewers of 8" or larger may require a permit through this office.

Any related earth disruption must conform to applicable requirements of Part 91, Soil Erosion and Sedimentation Control of the Natural Resource and Environmental Protection Act, Act 451 of the Public Acts of 1994. Applications should be submitted to our office for the required soil erosion permit.

Please note that all applicable permits and approvals from federal, state or local authorities, public utilities and private property owners must be obtained.

If there are any questions regarding this matter, please contact Dan Butkus at 248-897-2744.

Sincerely,

Brian Bennett, P.E. Assistant Chief Engineer

## SITE PLAN.pdf Markup Summary

#### **Building Department (2)**

Subject: Building Department

Author: Mark Artinian Date: 3/21/2024 1:07:44 PM

Status:

Mark Artinian 248-841-2446 ArtinianM@RochesterHills.org

Yes

Subject: Building Department Author: Mark Artinian Date: 3/21/2024 1:08:25 PM

Status:

Yes

#### Cloud+ (1)



Subject: Cloud+ Author: Ann Echols Date: 3/6/2024 11:43:56 AM

Status:

A type VB building with 33,692 sq.ft. requires a fire flow of 5,000 GPM and a minimum of 5 on site hydrants, spaced no more than 300 feet apart. Prior approval provided for a 50% reduction in fire flow per ordinance. A 2,500 GPM fire flow requires 3 on site hydrants spaced no more than 400 feet apart.

Provide an additional hydrant on the north east corner of the site.

In order to gain site plan approval a flow test is required to evaluate the capabilities of the water supply. The previous flow test is more than a year old and will need to be redone.

Contact the Rochester Hills DPS Engineering Department at 248-56-4640 to schedule a new test.

#### Engineering Department (3)



Subject: Engineering Department Author: Jason Boughton

Date: 3/11/2024 11:47:38 AM

Status:

City File #20-022 Section #36 in the lower right

hand corner of each sheet

Subject: Engineering Department

Author: Jason Boughton Date: 3/11/2024 11:47:41 AM

Status:

The applicant needs to submit a Land Improvement Permit (LIP) application with engineer's estimate, fee and construction plans to proceed with the construction plan review process.

**Subject:** Engineering Department Author: Jason Boughton Date: 3/12/2024 9:15:36 AM

Status:

#### Engineering Legal Review (3)

ADDRESS:(COMMONLY KNOWN AS VAC-SIDWELL: 15-36-226-003, 15-36-2 Subject: Engineering Legal Review

Author: Jenny McGuckin Date: 3/20/2024 3:47:22 PM

Status:

Include current Parcel ID: 15-36-226-068



Subject: Engineering Legal Review

Author: Jenny McGuckin Date: 3/20/2024 4:14:13 PM

Status:

Show proposed 20' wide water main easement extending 10' past the hydrant on plan.

Subject: Engineering Legal Review

Author: Jenny McGuckin Date: 3/20/2024 4:09:36 PM

Status:

Storm sewer maintenance agreement and water main easement will be needed during construction

plan review.

#### Fire Department (1)

Subject: Fire Department Author: Ann Echols Date: 3/6/2024 11:38:13 AM

Status:

#### Group (18)

**Subject:** Group **Author:** macdonaldj

Date: 3/4/2024 2:28:29 PM

Status:

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 3/21/2024 4:48:43 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 3/21/2024 4:48:53 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 3/21/2024 4:48:57 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 3/21/2024 4:49:01 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 3/21/2024 4:49:05 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

Development



Subject: Group Author: C.McLeod

Date: 3/21/2024 4:49:11 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

Development

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Subject: Group Author: C.McLeod

Date: 3/21/2024 4:52:11 PM

Status:

Received 3/4/2024

City of Rochester Hills Planning & Economic

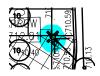
Development

#### Highlight (2)



Subject: Highlight Author: Ann Echols Date: 3/6/2024 11:42:17 AM

Status:



Subject: Highlight Author: Ann Echols Date: 3/6/2024 11:42:22 AM

Status:

#### Jenny McGuckin - YES (1)

Subject: Jenny McGuckin - YES Author: Jenny McGuckin Date: 3/21/2024 12:37:48 PM

Status:

Status:

UNVIED / VDE

#### Natural Resouces (1)

Subject: Natural Resouces Author: Matt Einheuser Date: 3/21/2024 12:11:33 PM

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Planning Department (16)



Subject: Planning Department

Author: C.McLeod

Date: 3/20/2024 4:41:27 PM

Status:

Architectural Features on this wall - blank walls

avoided



**Subject:** Planning Department

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Author: C.McLeod

Date: 3/20/2024 4:42:31 PM

Status:

Brick removed these areas (typ)



Subject: Planning Department

Author: C.McLeod

Date: 3/21/2024 4:35:43 PM

Status:

Material change away from brick



**Subject:** Planning Department

Author: C.McLeod

Date: 3/21/2024 4:36:14 PM

Status:

Material change away from brick



**Subject:** Planning Department

Author: C.McLeod

Date: 3/21/2024 4:46:33 PM

Status:

Subject to items noted on plans being addressed and Planning Commission review of building

materials.

Subject: Planning Department

Author: C.McLeod

Date: 3/21/2024 4:53:49 PM

Status:

Assessing

Yes

Traffic (1)

NER / APPLICANT:

IPANY : GERALD REAL ESTATE, LL

Subject: Traffic Author: Keith

OWNEI **Date:** 3/22/2024 8:44:39 AM

Status:

COMPAN CONTAC