



MKC | ARCHITECTS

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ARCHITECT OF RECORD  
MATTHEW T. TESMANN - 1816826  
EXPIRATION DATE: 12-31-2026

ISSUED: 02.16.2026  
MKC PROJECT: 24-011A

# Mt. Vernon Municipal Center / COTC Renovation

## 236 S Main St, Mt Vernon, OH 43050

### City of Mount Vernon

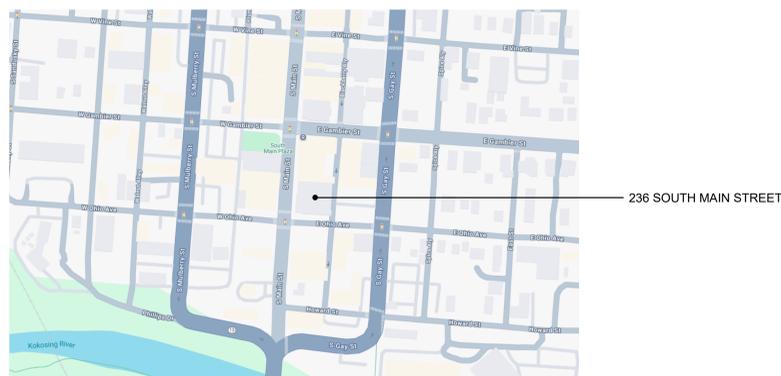
40 Public Square, Mt Vernon, OH 43050

Mt. Vernon Municipal Center / COTC Renovation

236 S Main St, Mt Vernon, OH 43050

City of Mount Vernon

#### SITE LOCATION



#### CONSULTANTS



MEP  
KRAMER ENGINEERS  
394 OAK STREET  
COLUMBUS, OH 43215  
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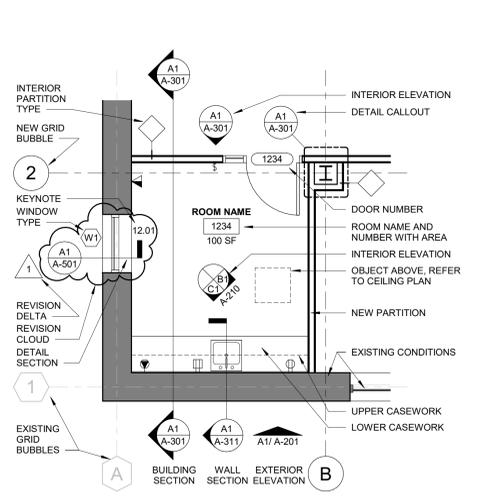
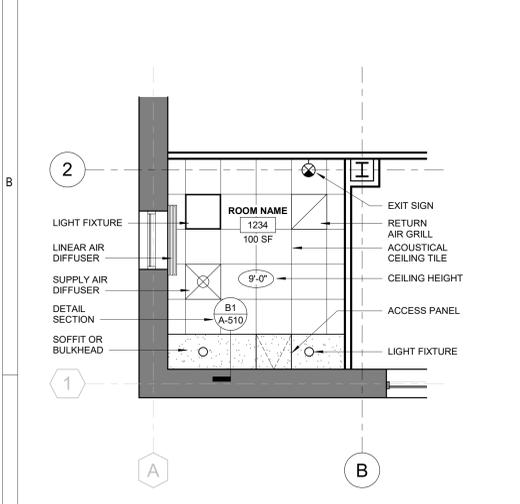
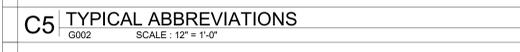
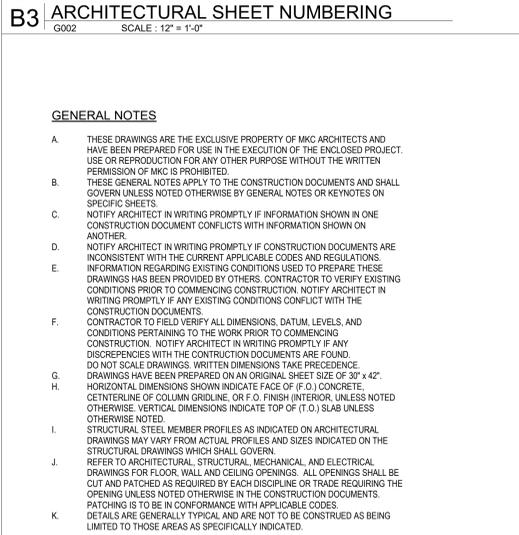
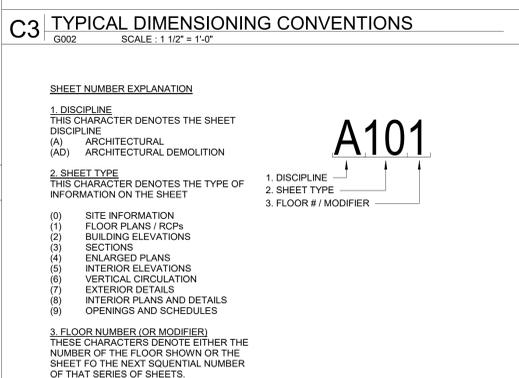
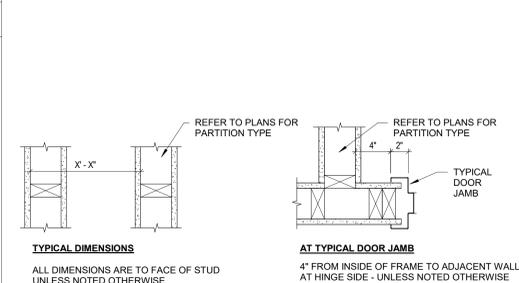
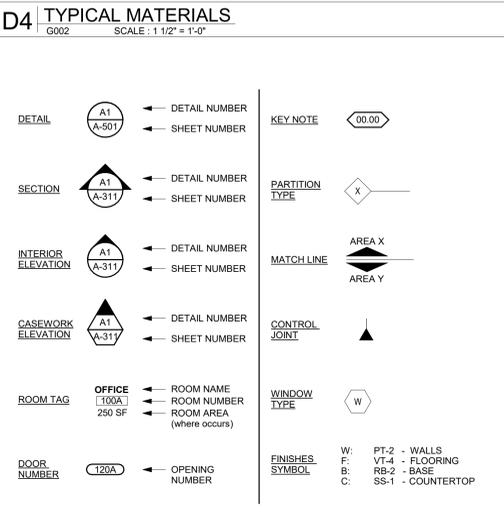
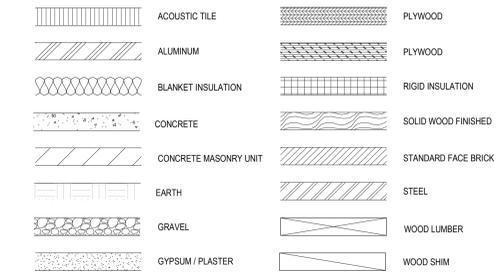
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PHASE: BID & PERMIT SET

<b>G.C.</b> GENERAL TRADES CONTRACTOR	<b>H</b>
<b>P.C.</b> PLUMBING CONTRACTOR	<b>HVAC</b> HEATING, VENT, AIR CONDITIONING
<b>M.C.</b> MECHANICAL (HVAC) CONTRACTOR	<b>HM</b> HOLLOW METAL
<b>F.P.C.</b> FIRE PROTECTION CONTRACTOR	<b>HORIZ</b> HORIZONTAL
<b>E.C.</b> ELECTRICAL CONTRACTOR	
<b>K.E.C.</b> KITCHEN EQUIPMENT CONTRACTOR	
<b>S.C.</b> SITE CONTRACTOR	
<b>A</b>	<b>ID</b> INSIDE DIAMETER
<b>AB</b> ANCHOR BOLT	<b>INT</b> INTERIOR
<b>ABV</b> ABOVE	
<b>ACT</b> ACOUSTICAL TILE	
<b>ADJ</b> ADJUSTABLE	
<b>AF</b> ABOVE FINISHED FLOOR	
<b>AGG</b> AGGREGATE	
<b>AHJ</b> AUTHORITY HAVING JURISDICTION	
<b>ALUM</b> ALUMINUM	
<b>ALT</b> ALTERNATE	
<b>APPROX</b> APPROXIMATE	
<b>ARCH</b> ARCHITECTURAL	
<b>B</b>	
<b>BD</b> BOARD	
<b>BLK</b> BLOCK	
<b>BLKG</b> BLOCKING	
<b>BLW</b> BELOW	
<b>BOT</b> BOTTOM	
<b>BRG</b> BEARING	
<b>BTWN</b> BETWEEN	
<b>C</b>	
<b>C/C</b> CENTER TO CENTER	
<b>C/L</b> CENTER LINE	
<b>CIP</b> CAST IN PLACE	
<b>CJ</b> CONTROL JOINT	
<b>CLG</b> CEILING	
<b>CLR</b> CLEARANCE	
<b>CMU</b> CONCRETE MASONRY UNIT	
<b>COL</b> COLUMN	
<b>CONC</b> CONCRETE	
<b>CONT</b> CONTINUOUS	
<b>CPT</b> CARPET	
<b>CL</b> CENTER LINE	
<b>D</b>	
<b>DEMO</b> DEMOLITION	
<b>DIM</b> DIMENSION	
<b>DI</b> DIAMETER	
<b>E</b>	
<b>EF</b> EACH FACE	
<b>EQ</b> EQUAL	
<b>EQUIP</b> EQUIPMENT	
<b>ETR</b> EXISTING TO REMAIN	
<b>EW</b> EACH WAY	
<b>EXIST</b> EXISTING	
<b>EXP</b> EXPANSION	
<b>EXT</b> EXTERIOR	
<b>F</b>	
<b>FH</b> FULL HEIGHT	
<b>FL</b> FULL LENGTH	
<b>FOC</b> FACE OF CONCRETE	
<b>FOF</b> FACE OF FINISH	
<b>FOM</b> FACE OF MASONRY	
<b>FOS</b> FACE OF STUD	
<b>FIN</b> FINISHED	
<b>FF</b> FINISHED FLOOR	
<b>FTG</b> FOOTING	
<b>FND</b> FOUNDATION	
<b>G</b>	
<b>GA</b> GAGE (GAUGE)	
<b>GALV</b> GALVANIZED	
<b>GEN</b> GENERAL	
<b>GL</b> GLASS (GLAZING)	
<b>GYP. BD.</b> GYPSUM BOARD	
<b>LAB</b> LABORATORY	
<b>LL</b> LIVE LOAD	
<b>LLH</b> LONG LEG HORIZONTAL	
<b>LLV</b> LONG LEG VERTICAL	
<b>M</b>	
<b>MAS</b> MASONRY	
<b>MECH</b> MECHANICAL	
<b>MIN</b> MINIMUM	
<b>MISC</b> MISCELLANEOUS	
<b>N</b>	
<b>N/A</b> NOT APPLICABLE	
<b>N.I.C.</b> NOT IN CONTRACT	
<b>NTS</b> NOT TO SCALE	
<b>O</b>	
<b>OC</b> ON CENTER	
<b>OPP</b> OPPOSITE	
<b>P</b>	
<b>PL</b> PLATE	
<b>PLBG.</b> PLUMBING	
<b>PREFAB</b> PREFABRICATED	
<b>R</b>	
<b>RAD</b> RADIUS	
<b>RB</b> RUBBER BASE	
<b>RCP</b> REFLECTED CEILING PLAN	
<b>REF</b> REFERENCE	
<b>REINF.</b> REINFORCE(D)ING	
<b>REQ(S)</b> REQUIREMENT(S)	
<b>REV</b> REVISED, REVISION	
<b>RH</b> RIGHT HAND	
<b>RD</b> ROOF DRAIN	
<b>R.O.</b> ROUGH OPENING	
<b>S</b>	
<b>SIM</b> SIMILAR	
<b>SPEC</b> SPECIFICATION(S)	
<b>SF</b> SQUARE FEET	
<b>SS</b> STAINLESS STEEL	
<b>STD</b> STANDARD	
<b>STRUCT</b> STRUCTURAL	
<b>T</b>	
<b>T.O.F.</b> TOP OF FOOTING	
<b>T.O.M.</b> TOP OF MASONRY	
<b>T.O.S.</b> TOP OF STEEL	
<b>T.O.W.</b> TOP OF WALL	
<b>TYP</b> TYPICAL	
<b>U</b>	
<b>U.N.O.</b> UNLESS NOTED OTHERWISE	
<b>V</b>	
<b>VERT</b> VERTICAL	
<b>W</b>	
<b>W/O</b> WITHOUT	
<b>WD</b> WOOD	



<b>OTHER CEILING PLAN SYMBOL DESIGNATIONS</b>	<b>TV</b> TV CONNECTION (SEE ELECTRICAL DRAWINGS)
<b>○</b> RECESSED CAN DOWNLIGHT	<b>H</b> HORN (SEE ELECTRICAL DRAWINGS)
<b>⊖</b> RECESSED CAN WALL WASHER	<b>—</b> TRACK LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
<b>○</b> PENDANT MOUNTED LIGHT FIXTURE	<b>—</b> EQUIPMENT MOUNTING TRACKS
<b>⊙</b> CEILING-MOUNTED EXIT LIGHTS (SEE ELECTRICAL DRAWINGS)	<b>•</b> SPRINKLER HEAD
<b>⊙</b> WALL-MOUNTED EXIT LIGHTS (SEE ELECTRICAL DRAWINGS)	<b>S</b> SMOKE DETECTOR (SEE ELECTRICAL DRAWINGS)
<b>⊙</b> SMOKE DETECTOR (SEE ELECTRICAL DRAWINGS)	<b>S</b> SPEAKER (SEE ELECTRICAL DRAWINGS)

<b>OTHER FLOOR PLAN SYMBOL DESIGNATIONS</b>	<b>---</b> EXISTING DOOR TO DEMO
<b>---</b> EXISTING DOOR TO REMAIN	<b>---</b> EXISTING WALL TO DEMO
<b>---</b> EXISTING WALL TO REMAIN	<b>---</b> EXISTING WALL TO DEMO

**A5** SYMBOL DESIGNATIONS - CEILING PLAN  
G002 SCALE: 1/4" = 1'-0"

**A4** SYMBOL DESIGNATIONS - FLOOR PLAN  
G002 SCALE: 1/4" = 1'-0"

General Notes - Overall



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SUBMITTED: 02.16.2026

**G002**  
GENERAL INFORMATION

MKC PROJECT: 24-011A

### CHAPTER 9 FIRE PROTECTION SYSTEMS

FIRE PROTECTION SYSTEM	REQ'D?	COMMENTS
AUTOMATIC SPRINKLER SYSTEM	[903.1.1] NO	
ALTERNATE AUTOMATIC FIRE SYSTEM	[904] NO	
STAND PIPE SYSTEM	[905] NO	
PORTABLE FIRE EXTINGUISHERS	[906] YES	INSTALL PER INTERNATIONAL FIRE CODE AND LOCAL FIRE AUTHORITY [MAX 75' DISTANCE]
FIRE ALARM DETECTION SYSTEM	[907] YES	
EMERGENCY ALARM SYSTEMS	[908] YES	
SMOKE CONTROL SYSTEMS	[909] NO	
SMOKE + HEAT VENTS	[910] NO	

### CHAPTER 10 MEANS OF EGRESS

EGRESS COMPONENTS	REQUIREMENT	COMMENTS
EGRESS WIDTH - STAIRWAYS	[1005.3.1]	2" PER PERSON [EXCEPTION 1]
EGRESS WIDTH - OTHER COMPONENTS	[1005.3.2]	15" PER PERSON [EXCEPTION 1]
COMMON PATH OF TRAVEL	[1006.2.1]	[B] 100 FT
EGRESS LIGHTING	[1008]	EMERGENCY EGRESS LIGHTING SHALL BE PROVIDED
AREA OF REFUGE	[1009.3.3]	NOT REQUIRED [EXCEPTION 2]
EXIT SIGNS	[1013]	EXIT SIGNS SHALL BE PROVIDED
EXIT TRAVEL DISTANCE	[1017.2]	300 FT
CORRIDOR FIRE RESISTANCE RATING	[1020.2]	0 HRS
DEAD END LIMIT	[1020.5]	50 FT [EXCEPTION 2]

### CHAPTER 11 ACCESSIBILITY

SECTION 1104 - ACCESSIBLE ROUTE

PARKING, ROUTE, AND ENTRANCE IS DESIGNED TO MEET REQUIREMENTS OF CHAPTER 11 AND ICC A117.1

### CHAPTER 29 PLUMBING SYSTEMS

TABLE 2902.1 - PLUMBING FIXTURES

	WATER CLOSETS					LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	SERVICE SINKS
	UNISEX	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE			
REQ'D	3	3	3	3	3	3	3	0	2	1
PROVD	3	3	4	3	3	0	2	2	1	1

### CHAPTER 5 BUILDING HEIGHTS and AREAS

TABLE 504.3 - ALLOWABLE HEIGHT

OCCUPANCY CLASS	S or NS	ALLOW. HEIGHT IN FEET ABOVE GRADE	ACTUAL	COMMENTS
B	S	75'-0"	27'-0"	

TABLE 504.4 - ALLOWABLE STORIES

OCCUPANCY CLASS	S or NS	ALLOW. STORIES ABOVE GRADE	ACTUAL	COMMENTS
B	S	4	2	

TABLE 506.2 - ALLOWABLE AREA

OCCUPANCY CLASS	SPRKL	TAB AREA [A]	NS TAB AREA [NS]	FRONT INCREASE	ALLOW. AREA [A]	ACTUAL	COMMENTS
B	SM	69000	23000	0	69000	13254	

### CHAPTER 6 TYPE of CONSTRUCTION

TABLE 601 - FIRE RESISTANCE RATING

CONSTRUCTION TYPE	II-B	COMMENTS
STRUCTURAL FRAME	0	
BEARING WALLS		
INTERIOR	0	
EXTERIOR	0	
NON-BEARING WALLS / PARTITIONS		
INTERIOR	0	
EXTERIOR	0	
FLOOR CONSTRUCTION	0	
ROOF CONSTRUCTION	0	

### CHAPTER 8 INTERIOR FINISHES

TABLE 803.13 - INTERIOR WALL and CEILING FINISHES

	SPRINKLERED			UNSPRINKLERED			COMMENTS
	INTERIOR EXIT STAIRWAYS and RAMP and EXIT PASSAGE-WAYS	CORRIDORS and ENCLOSURE for EXIT ACCESS STAIRWAYS and RAMP	ROOMS and ENCLOSED SPACES	INTERIOR EXIT STAIRWAYS and RAMP and EXIT PASSAGE-WAYS	CORRIDORS and ENCLOSURE for EXIT ACCESS STAIRWAYS and RAMP	ROOMS and ENCLOSED SPACES	
B	B	C	C	A	B	C	

### PROJECT SUMMARY

THIS PROJECT CONSISTS OF A 7,887 SF INTERIOR RENOVATION BETWEEN THE LOWER LEVEL AND ENTRANCE LEVEL. THE CITY OF MOUNT VERNON'S MUNICIPAL DEPARTMENTS WILL HAVE EXCLUSIVE OCCUPANCY ON THESE TWO LEVELS. THE SECOND LEVEL WILL REMAIN OCCUPIED BY COTC DURING CONSTRUCTION. MINOR DEMOLITION AND CONSTRUCTION IS INTENDED TO OCCUR WITH MINIMAL STRUCTURAL IMPLICATIONS.

GROSS BUILDING AREA	7,887 sf
TYPE OF CONSTRUCTION:	II-B
FIRE SPRINKLERED THROUGHOUT:	YES
BASEMENT:	YES
HAZARDOUS MATERIALS:	NONE
FLOOD HAZARD AREA:	NONE
CLIMATE ZONE:	5B
OCCUPANCY CLASSIFICATION:	NON-SEPARATED

### AUTHORITIES HAVING JURISDICTION

**OHIO DIVISION OF INDUSTRIAL COMPLIANCE: BUREAU OF BUILDING CODE COMPLIANCE**

PLANS EXAMINER: TBD  
EMAIL: TBD

**MOUNT VERNON BOARD OF ZONING APPEALS**

DEVELOPMENT SERVICES MANAGER: LACIE BLANKENHORN  
ADDRESS: 40 PUBLIC SQUARE, MOUNT VERNON, OH 43050, 740.393.2033, DSM@MOUNTVERNONOHIO.ORG

**MOUNT VERNON CITY ENGINEER**

CITY ENGINEER: BRIAN BALL  
ADDRESS: 40 PUBLIC SQUARE, MOUNT VERNON, OH 43050, 740.393.9528, ENGINEER@MOUNTVERNONOHIO.ORG

**KNOX COUNTY HEALTH DEPARTMENT**

HEALTH COMMISSIONER: ZACH GREEN  
ADDRESS: 11660 UPPER GILCHRIST RD., MOUNT VERNON, OH 43050, 740.392.2200

**OHIO DEPARTMENT OF HEALTH**

PLANS EXAMINER: VICTOR NDUAGUBA  
ADDRESS: 246 N HIGH ST., COLUMBUS, OH 43215, 614.466.3543, VICTOR.NDUAGUBA@ODH.OHIO.GOV

**RICHLAND COUNTY ENVIRONMENTAL HEALTH DIVISION (PLUMBING REVIEW)**

CHIEF PLUMBING INSPECTOR: FRANK BRYKALSKI  
ADDRESS: 555 LEXINGTON AVE., MANSFIELD, OH 44907, 419.774.4536, FBRYKALSKI@RICHLANDHEALTH.ORG

### APPLICABLE CODES and AMENDMENTS

BUILDING CODE	2024 Ohio Building Code (Based on 2021 IBC)
PLUMBING CODE	2024 Ohio Plumbing Code (Based on 2021 IPC)
MECHANICAL CODE	2024 Ohio Mechanical Code (Based on 2021 IMC)
ELECTRICAL CODE	2023 National Electrical Code (NEC)
ACCESSIBILITY CODES	2017 ICC / ANSI A117.1 - Accessible and Useable Buildings and Facilities Fair Housing Act (FHA) 2010 Americans with Disabilities Act (ADA)
ENERGY CODE	2021 International Energy Conservation Code (IECC)
FIRE CODE	ASHRAE 90.1 - 2019 2017 Ohio Fire Code NFPA 101 Life Safety Code

### CHAPTER 3 USE + OCCUPANCY CLASSIFICATION

OCCUPANCY CLASSIFICATION	FLOOR LEVEL(S)
B BUSINESS	3



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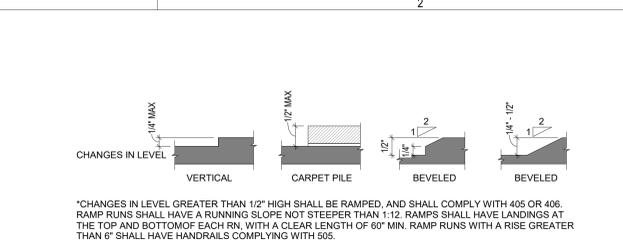
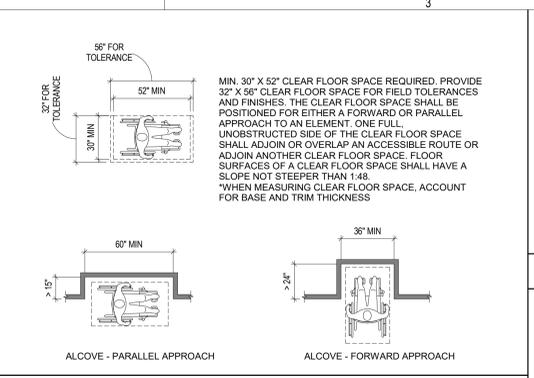
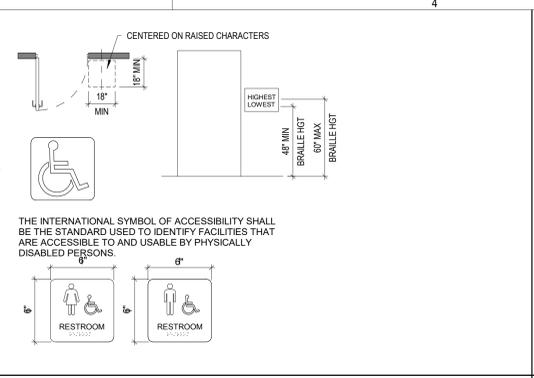
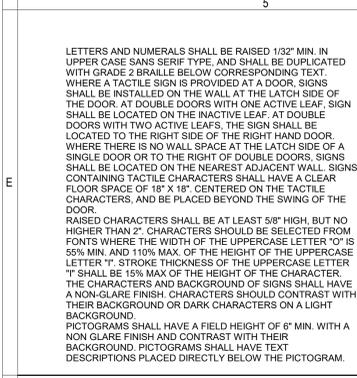
SUBMITTED: 02.16.2026

# G100

CODE SUMMARY

MKC PROJECT: 24-011A





**1 MEANS OF EGRESS.** THE MEANS OF EGRESS SHALL COMPLY WITH THE IBC AS MODIFIED BY ICC A117-1-2017, SEC. 1009, WHERE APPLICABLE. EXCEPTION: WHERE PERMITTED BY THE BUILDING OR LIFE SAFETY CODE, ACCESSIBLE MEANS OF EGRESS MAY SHARE A COMMON PATH OF TRAVEL.

**2 SITE ACCESSIBILITY.** (REF. TO ADA 2010 SEC. 208, ICC A117-1-2017 SEC. 302) AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES, PUBLIC STREETS AND SIDEWALKS, AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING ENTRANCE. THEY SHALL BE AT LEAST 80% OF ALL PUBLIC ENTRANCES SHALL COMPLY WITH ICC A117-1-2017 SEC. 404 (DOORS, DOORWAYS, AND GATES).

**3 ACCESSIBLE ROUTE.** (REF. TO ICC A117-1-2017 SEC. 402 AND DETAIL 1 ON THIS SHEET) ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20. DOORWAYS, RAMPS, CURB RAMPS, ELEVATORS, AND PLATFORM LIFTS. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36".

EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" MIN. FOR A LENGTH OF 24" MAX. PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" MIN. LONG AND 36" MIN. WIDE. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60" SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAX. PASSING SPACES SHALL BE EITHER A SPACE 60" MIN. BY 60" MIN. OR AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A "T-SHAPED" SPACE AS SHOWN IN DETAIL 1 ON THIS SHEET. ON AN ACCESSIBLE ROUTE, CHANGES IN LEVEL GREATER THAN 1:20 SHALL BE RAMPED AND COMPLY WITH SEC. 405 (RAMPS) OR SEC. 406 (CURB RAMPS).

**4 PROTRUDING OBJECTS.** (REF. TO ICC A117-1-2017 SEC. 307 AND DETAIL 3 ON THIS SHEET) OBJECTS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" A.F.F. SHALL PROTRUDE NO MORE THAN 4" MAX. INTO THE CIRCULATION PATH. ELEMENTS LOCATED ON CIRCULATION PATHS, INCLUDING OPERABLE ELEMENTS, MUST COMPLY WITH REQUIREMENTS FOR PROTRUDING OBJECTS. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG CIRCULATION PATHS 12" MAX. WHEN LOCATED BELOW 27" OR ABOVE 80" A.F.F. VERTICAL CLEARANCE SHALL BE 80" HIGH MIN. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27" MAX. A.F.F.

**5 GROUND AND FLOOR SURFACES.** (REF. TO ICC A117-1-2017 SEC. 302 - 303 AND DETAIL 7 ON THIS SHEET)

- GROUND AND FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP-RESISTANT.
- VERTICAL CHANGES IN LEVEL OF 1/4" MAX. IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL.
- BEVELED CHANGES IN LEVEL BETWEEN 1/4" HIGH MIN. AND 1/2" HIGH MAX. SHALL BE PROVIDED WITH A SLOPE NOT STEEPER THAN 1:2. CHANGES IN LEVEL EXCEEDING 1/2" HEIGHT MUST COMPLY WITH 405 (RAMPS) OR 406 (CURB RAMPS).
- CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO THE SUBSTRATE. CARPET SHALL BE FASTENED TO THE SUBSTRATE SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. EDGE TRIM SHALL COMPLY WITH SEC. 303 (CHANGES IN LEVEL).

**6 MANEUVERING CLEARANCES AT DOORS.** (REF. TO ICC A117-1-2017 SEC. 404 AND DETAIL 3 ON THIS SHEET)

- MANUAL DOORS AND DOORWAYS AND MANUAL GATES INTENDED FOR USER PASSAGE SHALL COMPLY WITH SEC. 404.2.
- MANEUVERING CLEARANCES SHALL BE PROVIDED FOR THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.
- THRESHOLDS AT DOORWAYS SHALL BE 1/2" HIGH MAX. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SEC. 303 (FLOOR AND FLOOR SURFACES) AND SEC. 303 (CHANGES IN LEVEL).
- HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS SHALL COMPLY WITH SEC. 308.4 (OPERATION).
- OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MIN. AND 48" MAX. A.F.F. PER SEC. 308.4. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
- THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
  - (a) FREE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
  - (b) OTHER DOORS: INTERIOR HINGED, SLIDING OR FOLDING DOORS - 5 LBS. MAX.
- THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RELEASE LATCHES OR TO DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR A CLOSED POSITION.
- DOOR SURFACES WITHIN 10" OF THE FLOOR MEASURED VERTICALLY SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR EXCEPT SLIDING DOORS.

**7 DRINKING FOUNTAINS AND WATER COOLERS.** (REF. TO ICC A117-1-2017 SEC. 402 AND DETAIL 4 ON THIS SHEET)

- FOUNTAINS SHALL HAVE CLEAR FLOOR SPACE POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 (KNEE AND TOE CLEARANCE) SHALL BE PROVIDED.
- OPERABLE PARTS SHALL COMPLY WITH 309 (OPERABLE PARTS).
- TWO DRINKING FOUNTAINS SHALL BE PROVIDED, ONE COMPLYING WITH SEC. 602.1 - 602.6 AND ONE COMPLYING WITH SECTION 602.7 (REF. SEC. 211.2).

**8 CONTROLS AND OPERATING MECHANISMS.** (REF. TO ICC A117-1-2017 SEC. 309)

- A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SEC. 303 (CLEAR FLOOR OR GROUND SPACE) SHALL BE PROVIDED.
- OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SEC. 308 (REACH RANGES).
- OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

**10 GRAB BARS.** (REF. TO ICC A117-1-2017 SEC. 609 AND DETAIL 6 AND 13 ON THIS SHEET)

- GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/2" MIN AND 2" MAX.
- THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.
- GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33" MIN AND 38" MAX. A.F.F. MEASURED TO THE TOP OF THE GRIPPING SURFACE.
- GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
- ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE OR SUPPORTING STRUCTURE.

**11 WATER CLOSETS.** (REF. TO ICC A117-1-2017 SEC. 604 AND DETAIL 6 AND 13 ON THIS SHEET)

- CLEAR FLOOR SPACE FOR WATER CLOSETS ARE SHOWN IN DETAIL 13 ON THIS SHEET. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET. ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPENSERS, CONT. HOOKS, SHARPENERS, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE, NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.
- THE SEAT HEIGHT SHALL BE 17" MIN. AND 19" MAX. MEASURED TO THE TOP OF SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.
- GRAB BARS FOR WATER CLOSETS ARE SHOWN IN DETAIL 6 ON THIS SHEET.
- FLUSH CONTROLS SHALL COMPLY WITH 309 (OPERABLE PARTS).

**12 URINALS.** (REF. TO ICC A117-1-2017 SEC. 605 AND DETAIL 12 ON THIS SHEET)

- URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17" MAX. A.F.F. URINALS SHALL BE 13 1/2" DEEP MIN. MEASURED FROM THE OUTER FACE OF THE URINAL, RIM TO THE BACK OF THE FIXTURE.
- A C.F.S. POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED. EXCEPTION: A PARALLEL APPROACH SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOKTOP OR RANGE IS NOT PROVIDED.

**13 LAVATORIES AND SINKS.** (REF. TO ICC A117-1-2017 SEC. 606 AND DETAIL 8 ON THIS SHEET)

- A C.F.S. POSITIONED FOR A FORWARD APPROACH AND KNEE AND TOE CLEARANCE SHALL BE PROVIDED. EXCEPTION: A PARALLEL APPROACH SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOKTOP OR RANGE IS NOT PROVIDED.
- LAVATORIES/SINKS SHALL BE INSTALLED SO THAT THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE SHALL BE 34" MAX. A.F.F.
- HAND OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.
- WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
- IF SOAP AND TOWEL DISPENSERS ARE PROVIDED, THEY MUST BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN SECTION 308.
- MIRRORS SHALL BE MOUNTED WITH THE BOTTOM OF THE EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40" A.F.F.

**16 STORAGE.** (REF. TO ICC A117-1-2017 SEC. 308 AND SEC. 811)

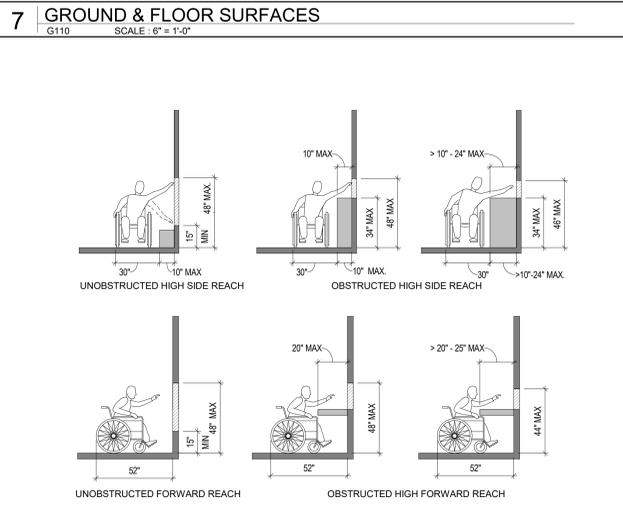
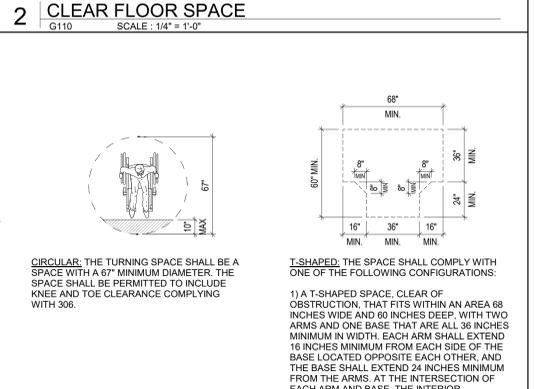
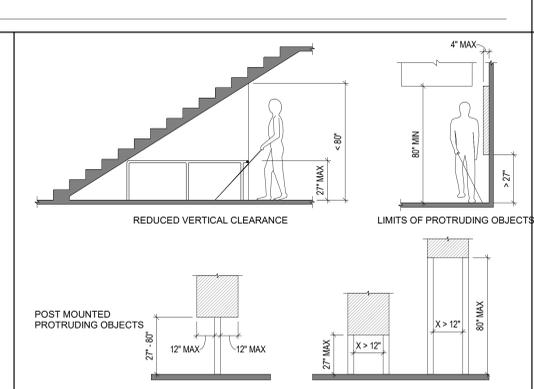
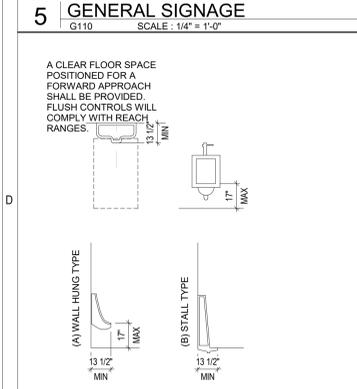
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- IF SOAP AND TOWEL DISPENSERS ARE PROVIDED, THEY MUST BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN SECTION 308.
- WHERE LOCKERS ARE PROVIDED, AT LEAST 5% BUT NO FEWER THAN ONE OF EACH TYPE, SHALL COMPLY WITH SEC. 811.

**17 REACH RANGES.** (REF. TO ICC A117-1-2017 SEC. 308 AND DETAIL 10 ON THIS SHEET)

- REACH RANGES ARE GRAPHICALLY SHOWN IN DETAIL 10.
- A CLEAR FLOOR SPACE IS REQUIRED PER SEC. 303 FOR EACH REACH RANGE, EITHER SIDE OR FORWARD REACHING.
  - (a) UNOBSTRUCTED FORWARD REACH TO BE 15" MINIMUM AND 48" MAXIMUM A.F.F.
  - (b) OBSTRUCTED SIDE REACH TO BE LESS THAN OR EQUAL TO 24" IN DEPTH WITH CONTROLS MOUNTED 48" MAXIMUM A.F.F.
- OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SEC. 308.

**17 SIGNAGE.** (REF. TO ICC A117-1-2017 SEC. 703 AND DETAIL 5 ON THIS SHEET)

- WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS OR TWO SEPARATE SIGNS, ONE WITH VISUAL AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.
- TACTILE SIGNS SHALL BE INSTALLED MINIMUM 48" AND MAXIMUM 60" A.F.F. TO BASELINE OF CHARACTERS.



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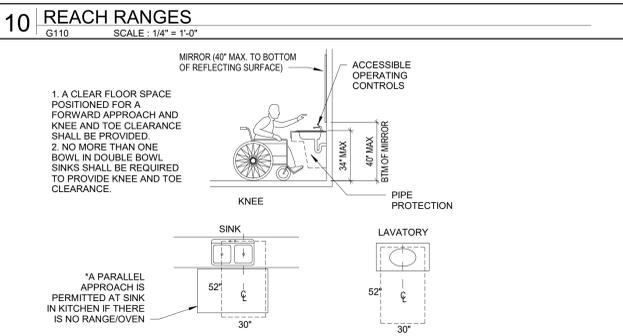
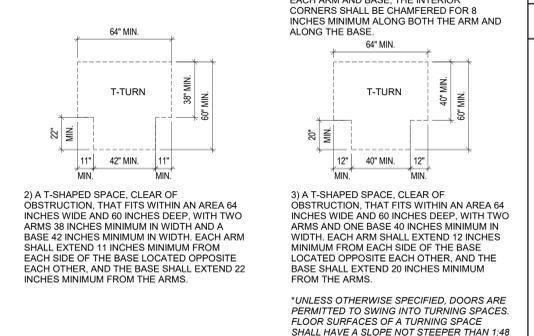
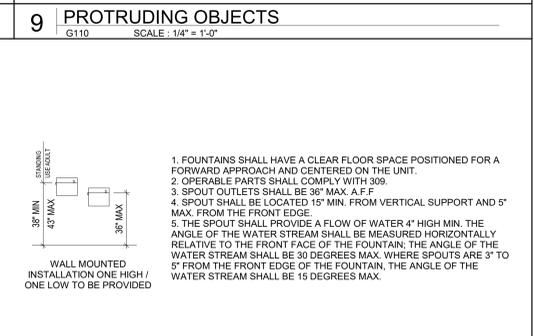
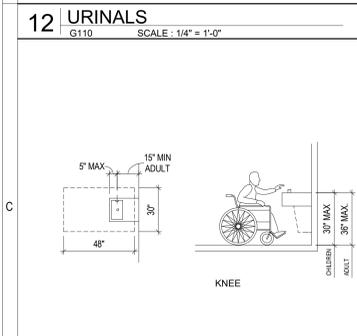
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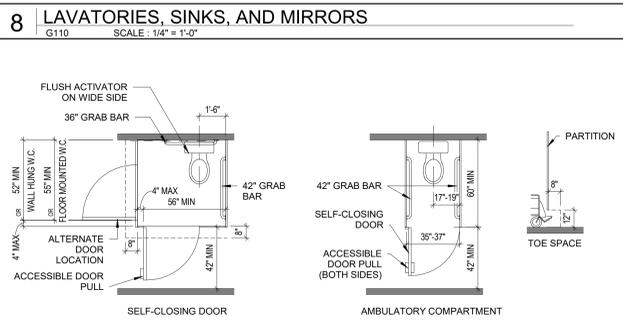
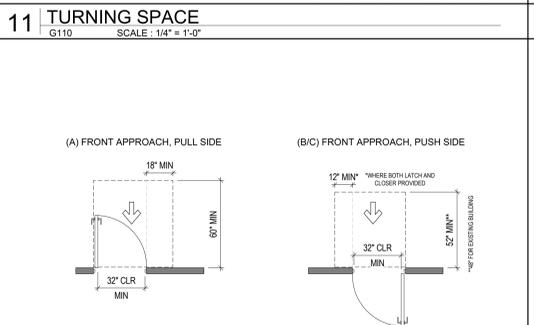
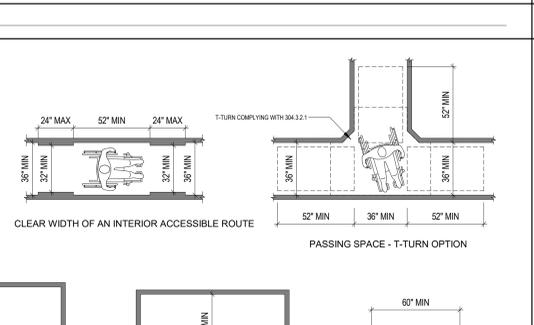
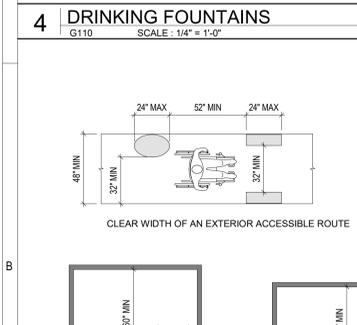
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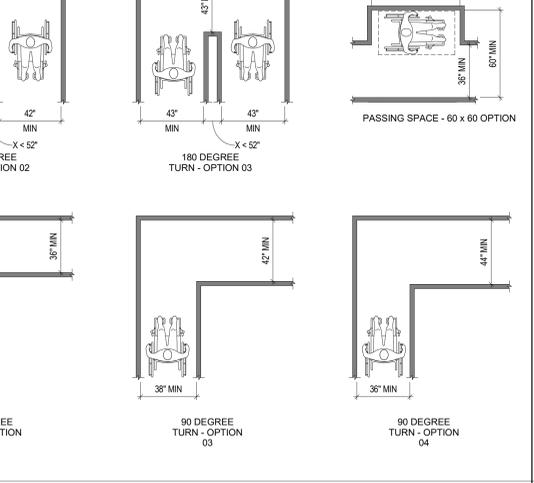
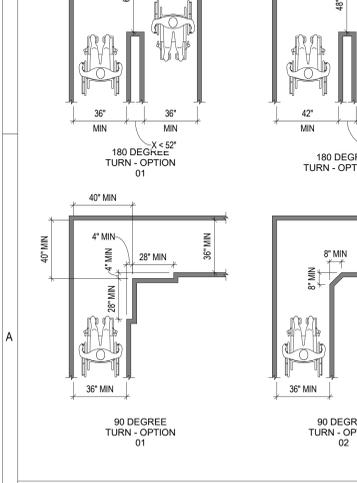
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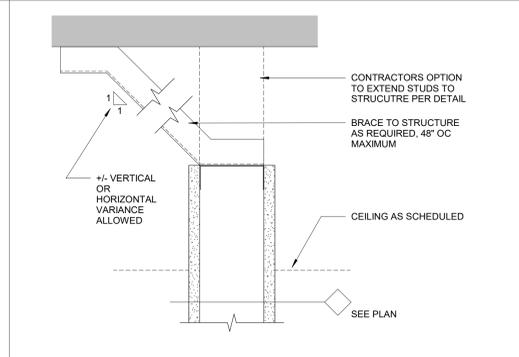
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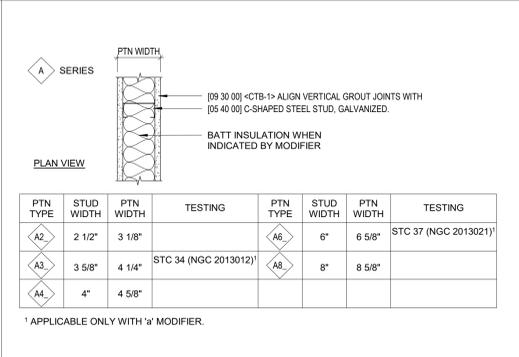
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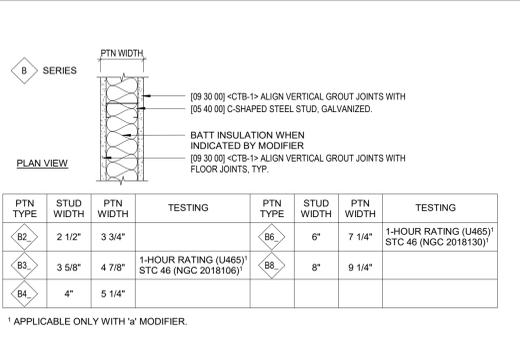




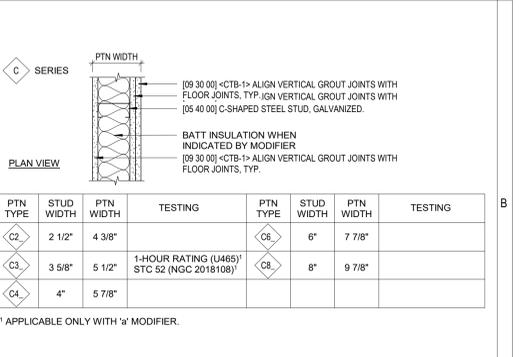
**B4** GYP BD PARTITION HEAD DETAILS - NON RATED (e/f)  
G120 SCALE: 3" = 1'-0"



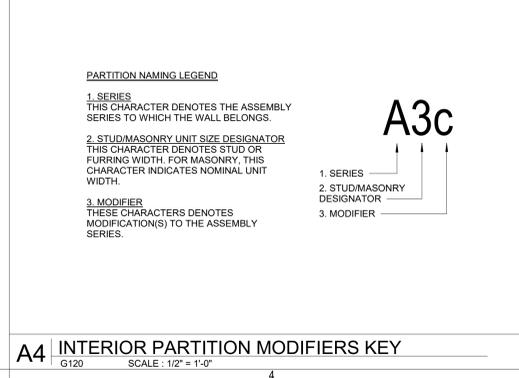
**A** INTERIOR PARTITION - TYPE A  
G120 SCALE: 1 1/2" = 1'-0"



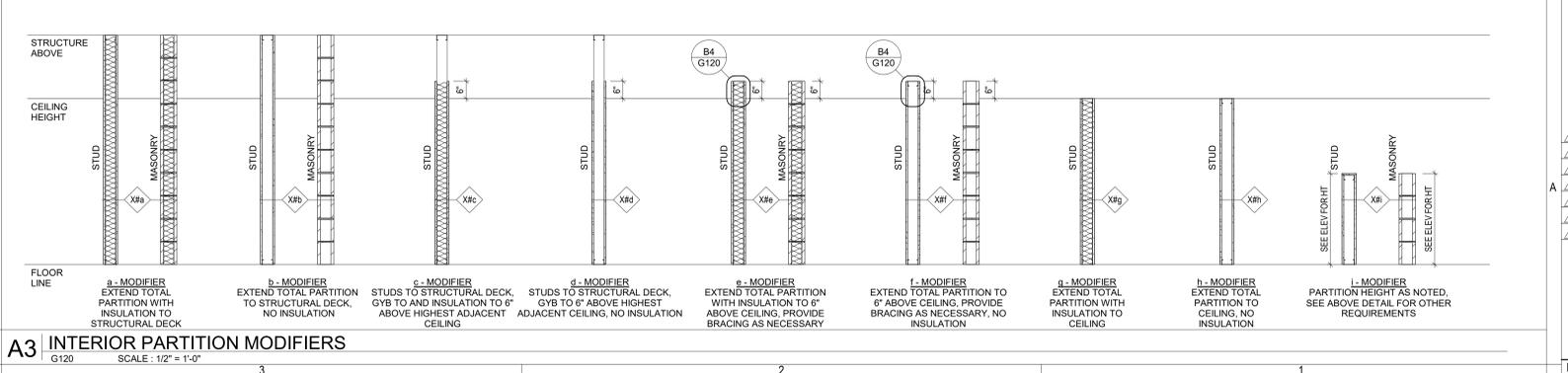
**B** INTERIOR PARTITION - TYPE B  
G120 SCALE: 1 1/2" = 1'-0"



**C** INTERIOR PARTITION - TYPE C  
G120 SCALE: 1 1/2" = 1'-0"



**A4** INTERIOR PARTITION MODIFIERS KEY  
G120 SCALE: 1/2" = 1'-0"



**A3** INTERIOR PARTITION MODIFIERS  
G120 SCALE: 1/2" = 1'-0"



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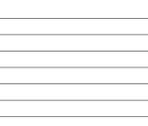
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City of Mount Vernon  
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ARCHITECT OF RECORD  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026



**G120**  
WALL AND ROOF TYPES

MKC PROJECT: 24-011A

# DIVISION 1 GENERAL CONDITIONS

THE GENERAL CONDITIONS OF THE CONTRACT FOR THE CONSTRUCTION OF BUILDING AS PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, A.I.A. DOCUMENT NO. A-201, LATEST EDITION, A COPY OF WHICH IS ON FILE AT THE OFFICE OF THE ARCHITECT, SHALL APPLY TO THE GENERAL CONTRACT AS WELL AS TO ALL SUBCONTRACTS, AND IT SHALL BE UNDERSTOOD THAT IT HAS BEEN CAREFULLY READ AND CONSIDERED PART OF THE CONTRACT DOCUMENTS.

## SUPPLEMENTARY CONDITIONS

THE FOLLOWING "SUPPLEMENTARY GENERAL CONDITIONS" SHALL BE SUBJECT TO ALL OF THE REQUIREMENTS OF THE "GENERAL CONDITIONS".

- SHOP DRAWINGS FOR FIXTURES, FINISHES, EQUIPMENT MATERIALS AND FABRICATED WORK SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW BEFORE STARTING THE WORK INVOLVED. SUBMIT (5) COPIES OF EACH SHOP DRAWING TO ARCHITECT. ALLOW 15 BUSINESS DAYS FOR SHOP DRAWING REVIEW. REQUIRED SHOP DRAWINGS AND SUBMITTALS SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING (REFER TO THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS):
  - DIVISION 3
    - SEE STRUCTURAL DRAWINGS FOR CAST IN PLACE CONCRETE
    - SEE STRUCTURAL DRAWINGS FOR STRUCTURAL STEEL, STEEL DECK, COLD FORMED METAL FRAMING, AND TRUSS ASSEMBLIES.
    - STEEL STAIRS
    - RAILINGS
  - DIVISION 6
    - ROUGH CARPENTRY
    - ARCHITECTURAL MILLWORK
    - FIBER CEMENT PANELS AND TRIM
  - DIVISION 7
    - METAL ROOF PANELS
    - ROOF ACCESSORIES
    - SHEET METAL FLASHING AND TRIM
    - THERMAL INSULATION
  - DIVISION 8
    - ALUMINUM STOREFRONT AND ENTRANCES
    - GLAZING
    - WOOD DOORS
    - HOLLOW METAL FRAMES
    - DOOR HARDWARE
    - ACCESS DOORS AND FRAMES
  - DIVISION 9
    - PAINTING
    - ACOUSTICAL TILE CEILINGS
    - NON STRUCTURAL METAL FRAMING
    - CYSULUM BOARD
    - RESILIENT BASE AND ACCESSORIES
    - CERAMIC TILE
  - DIVISION 10
    - FIRE EXTINGUISHERS
    - TOILET ACCESSORIES
  - DIVISION 12
    - SOLID SURFACE
    - WINDOW TREATMENTS
    - FURNITURE

2. THE WORK HEREIN DESCRIBED SHALL BE COMPLETED IN EVERY DETAIL, EVEN THOUGH EVERY ITEM INVOLVED IS NOT MENTIONED. THE CONTRACTOR SHALL NOT AVAIL HIMSELF OF ANY MANIFESTLY UNINTENTIONAL ERROR OR OMISSION SHOULD SUCH EXIST. THE CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES, MATERIALS, OPERATIONS OR METHODS INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED FOR A COMPLETE JOB.

3. TRADE SELECTION. THESE SPECIFICATIONS ARE ARRANGED IN SEVERAL TRADE SECTIONS, BUT SUCH TRADE SEGREGATION SHALL NOT BE CONSIDERED AS LIMITING THE WORK REQUIRED BY ANY TRADE. EXCEPT AS OTHERWISE PROVIDED HEREIN, THE DIVISION OF WORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

4. ARCHITECT REFERS TO PLAN IT BAHAMAS, 35 SEARS ROAD, TOP OF THE HILL NASSAU, THE BAHAMAS.

\*OWNER\* ON THIS PROJECT REFERS TO NORWEGIAN CRUISE LINES 7665 CORPORATE CENTER DRIVE MIAMI FL 33126

5. CONTRACTORS SHALL GUARANTEE MATERIALS AND WORKMANSHIP FOR A MINIMUM PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBstantial COMPLETION, AND SHALL REPLACE WITHOUT COST TO THE OWNER OR INTERFERENCE WITH THE OWNER'S OPERATIONS, ANY DEFECTIVE WORKMANSHIP OR MATERIALS. THERE MAY BE ADDITIONAL WARRANTY AND GUARANTEES REQUIRED BEYOND (1) YEAR; REFER TO ADDITIONAL SPECIFICATION SECTIONS FOR THESE REQUIREMENTS.

6. CONTRACTORS ARE REQUIRED TO OBTAIN ALL PERMITS

## GENERAL NOTES AND REQUIREMENTS

- THESE DRAWINGS ARE PART OF A COMPLETE SET OF DOCUMENTS INCLUDING SPECIFICATIONS WHICH PERTAIN TO THIS SPECIFIC PROJECT. DEVIATION FROM DESIGN INTENT AND MATERIALS REPRESENTED IN THESE DOCUMENTS ARE PROHIBITED UNLESS SPECIFIC WRITTEN CONSENT IS GRANTED BY THE ARCHITECT OF RECORD.
- EACH CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND SHALL BE RESPONSIBLE FOR THESE CONDITIONS AS THEY PERTAIN TO THE ACCEPTABLE COMPLETION OF THEIR WORK.
- CONTRACTORS SHALL REVIEW JOB CONDITIONS WITH RELATED TRADES TO ASCERTAIN THEIR PORTION OF WORK PRIOR TO SUBMITTING BIDS.
- THE DESIGN, DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT. ALL RIGHTS ARE RESERVED. DIMENSIONS ON PLANS ARE FROM FACE OF MASONRY TO FINISH FACE OF GYPSUM BOARD, OR CENTERLINE OF COLUMN, DOOR AND CASING OPENINGS WITHOUT LOCATION DIMENSIONS ARE TO BE FOUR INCHES FROM FACE OF INTERSECTING PARTITION OR CENTERED BETWEEN PARTITIONS. VERIFY DIMENSION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. CONTRACTOR SHALL VERIFY EXACT CLEARANCES FOR CABINetry, DOORS AND EQUIPMENT WHEN LAYING OUT INTERIOR WALLS.
- DO NOT SCALE DRAWINGS. CONTRACTORS SHALL USE DIMENSIONS ON DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE FOUND. DRAWINGS AND SPECIFICATIONS. THESE DRAWINGS COVER THE FURNISHING AND INSTALLATION OF MATERIALS AND WORK AS CALLED FOR ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS TO CHECK THE DRAWINGS AND SPECIFICATIONS FOR CONFLICTS WITH THE DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BY WRITTEN REQUEST FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICTS WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- FINISHES: THERE SHALL BE NO EXPOSED PIPE, CONDUIT, DUCTS, VENTS AND THE LIKE. ALL SUCH LINES SHALL BE CONCEALED OR FINISHED AND FINISHED UNLESS NOTED AS 'EXPOSED CONSTRUCTION' IN DRAWINGS. OFFSET STUDS WHERE REQUIRED SO THAT FINISH WALL SURFACES WILL BE FLUSH EXISTING CORNER BEADS SHALL BE REMOVED AND PATCHED WHERE NEW GYPSUM BOARD SURFACES MEET EXISTING GYPSUM BOARD SURFACES.
- INSTALLATION: COMPLY WITH MANUFACTURER'S INSTRUCTIONS/RECOMMENDATIONS IF THEY ARE MORE DETAILED OR STRINGENT THAN REQUIREMENTS IN CONTRACT DOCUMENTS. ANCHOR WORK SECURELY IN PLACE. PROPERLY LOCATED BY MEASURED LINE AND LEVEL. ORGANIZED FOR BEST POSSIBLE UNIFORMITY, VISUAL EFFECT, OPERATIONAL EFFICIENCY, DURABILITY AND SIMILAR BENEFIT TO OWNERS USE. ISOLATE NON-COMPATIBLE MATERIALS FROM CONTACT SUFFICIENTLY TO PREVENT DETERIORATION. MOUNT INDIVIDUAL UNITS OF WORK AND DEVICES AT INDUSTRY RECOGNIZED MOUNTING HEIGHTS IF NOT OTHERWISE INDICATED; REFER UNCERTAINTIES TO ARCHITECT BEFORE PROCEEDING.
- TIMING: INSTALL WORK DURING TIME AND UNDER CONDITIONS WHICH WILL ENSURE BEST POSSIBLE RESULTS, COORDINATE WITH REQUIRED INSPECTIONS AND TESTING.
- CLEANING AND PROTECTION: CLEAN EACH ELEMENT OF WORK AT TIME OF INSTALLATION. PROVIDE SUFFICIENT MAINTENANCE AND PROTECTION DURING CONSTRUCTION TO ENSURE FREEDOM FROM DAMAGE AND DETERIORATION AT TIME OF SUBstantial COMPLETION.

- DEVIATION FROM DESIGN INTENT AND MATERIALS REPRESENTED IN THESE DOCUMENTS ARE PROHIBITED UNLESS SPECIFIC WRITTEN CONSENT IS GRANTED BY THE ARCHITECT OF RECORD. IF ANY DISCREPANCIES OR CONFLICTS CONCERNING CODE INFORMATION, DIMENSIONS, SPECIFICATIONS OR COORDINATION ARE FOUND, NOTIFY THE ARCHITECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF DEMO MATERIALS AND CONSTRUCTION DEBRIS FROM SITE.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR SECURITY FOR DURATION OF CONSTRUCTION.
- WHERE REQUIRE TO MATCH EXISTING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD.
- WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.
- THIS BUILDING SHALL COMPLY WITH REQUIREMENTS OF THE ADA ACCESSIBILITY GUIDELINES. ITEMS WITHIN THIS SET OF DOCUMENTS WHICH CONFLICT WITH THE ADA GUIDELINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER.
- PROVIDE FIRE BLOCKING/SEALANT AT ELECTRICAL, PLUMBING AND MECHANICAL PENETRATIONS OF RATED CONSTRUCTION. ELECTRICAL WORK SHALL CONFORM TO APPROPRIATE SECTIONS OF THE BAHAMAS BUILDING CODE (BBC) AND THE NATIONAL ELECTRIC CODE.
- PLUMBING WORK SHALL CONFORM TO APPROPRIATE SECTION OF THE BBC AND REFERENCED STANDARDS.
- HEATING, VENTILATION AND AIR CONDITIONING WORK SHALL CONFORM TO APPROPRIATE SECTIONS OF THE BBC AND REFERENCED STANDARDS.
- WHERE NOTED TO "DRILL AND GROUT" INTO MASONRY OR CONCRETE, USE "HILT-HIT HY 20 OR HILT-HI HIT HY 150".
- REFERENCE FINISH FLOOR ELEVATION SHALL BE 100'0" AT FIRST FLOOR TOP OF SLAB.

## TEMPORARY STRUCTURE/PREP WORK

- GENERAL CONTRACTOR TO PROVIDE TEMPORARY FENCES, BARRICADES, COVERINGS OR OTHER PROTECTIONS TO PREVENT INJURY OR DAMAGE TO PERSONS OR PROPERTY, INCLUDING ADJACENT PROPERTIES AS REQUIRED.

## CUTTING AND PATCHING

- EACH CONTRACTOR SHALL BE RESPONSIBLE ALL CUTTING, PATCHING, FITTINGS, EXCAVATION, AND BACKFILL REQUIRED TO COMPLETE THE WORK, INCLUDING UNCOVERING PORTIONS OF THE WORK, TO PROVIDE FOR INSTALLATION OF ILL-TIMED WORK, REMOVING AND REPLACING DEFECTIVE WORK, REMOVING AND REPLACING WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND REMOVING SAMPLES OF INSTALLED WORK AS SPECIFIED FOR TESTING.
- OPENINGS FOR PASSAGE OF PIPING, DUCTWORK, CONDUIT, AND OTHER MECHANICAL AND ELECTRICAL EQUIPMENT THROUGH WALLS, FLOORS, ROOFS, CHASES, ETC., IN NEW CONSTRUCTION SHALL BE PROVIDED AS REQUIRED. OPENINGS REQUIRED AND NOT INDICATED ON THE DRAWINGS SHALL BE VERIFIED AND APPROVED BY THE AFFECTED CONTRACTOR. ALL CONTRACTORS SHALL GIVE AFFECTED CONTRACTOR COMPLETE INFORMATION AS TO EXACT SIZE AND LOCATION OF ALL SUCH OPENINGS AT PROPER TIME TO ENABLE OPENINGS TO BE LEFT IN CONSTRUCTION WORK AS REQUIRED. IF CONTRACTORS FAIL TO COMPLY WITH THESE REQUIREMENTS, NECESSARY CUTTING AND PATCHING WILL BE DONE BY THE CONTRACTOR WHO FIRST INSTALLED THE WORK AT THE EXPENSE OF THE OTHER CONTRACTORS CREATING THE WORK. CUTTING AND PATCHING OF EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHOSE WORK IS TO BE ACCOMMODATED. ALL WORK MUST BE DONE BY QUALIFIED PERSONNEL.
- REFER TO OTHER SPECIFICATIONS FOR SPECIFIC REQUIREMENTS AND LIMITATIONS APPLICABLE TO CUTTING AND PATCHING INDIVIDUAL PARTS OF THE WORK. REFER TO MECHANICAL AND ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND LIMITATIONS APPLICABLE TO CUTTING AND PATCHING MECHANICAL AND ELECTRICAL INSTALLATIONS.
- DEFINITIONS:
  - CUTTING: REMOVAL OF EXISTING CONSTRUCTION NECESSARY TO PERMIT INSTALLATION OR PERFORMANCE OF OTHER WORK.
  - PATCHING: FITTING AND REPAIR WORK REQUIRED TO RESTORE SURFACES TO ORIGINAL CONDITIONS AFTER INSTALLATION OF OTHER WORK.
- DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY OR LOAD-DEFLECTION RATIO.
- DO NOT CUT AND PATCH OPERATING ELEMENTS AND RELATED COMPONENTS IN A MANNER THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY INCLUDING, BUT NOT LIMITED TO: PRIMARY OPERATIONAL SYSTEMS AND EQUIPMENT; AIR OR SMOKE PREVENTERS; FIRE PROTECTION SYSTEMS; CONTROL SYSTEMS; COMMUNICATION SYSTEMS; CONVEYING SYSTEMS; AND ELECTRICAL WIRING SYSTEMS.
- DO NOT CUT AND PATCH THE FOLLOWING ELEMENTS OR RELATED COMPONENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY, THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY INCLUDING, BUT NOT LIMITED TO: WATER, MOISTURE, VAPOR BARRIERS, MEMBRANES AND FLASHINGS; EQUIPMENT SUPPORTS; PIPING, DUCTWORK, VESSELS, AND EQUIPMENT; AND NOISE- AND VIBRATION-CONTROL ELEMENTS AND SYSTEMS.
- DO NOT CUT AND PATCH CONSTRUCTION IN A MANNER THAT RESULTS IN VISUAL EVIDENCE OF CUTTING AND PATCHING. DO NOT CUT AND PATCH CONSTRUCTION EXPOSED ON THE EXTERIOR OR IN OCCUPIED SPACES IN A MANNER THAT WOULD, IN THE ARCHITECT'S OPINION, REDUCE THE BUILDING'S AESTHETIC QUALITIES. REMOVE AND REPLACE CONSTRUCTION THAT HAS BEEN CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.
- USE MATERIALS IDENTICAL TO EXISTING MATERIALS FOR EXPOSED SURFACES. USE MATERIALS THAT VISUALLY MATCH EXISTING ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE. IF IDENTICAL MATERIALS ARE UNAVAILABLE OR CANNOT BE USED, USE MATERIALS THAT, WHEN INSTALLED, WILL MATCH THE VISUAL AND FUNCTIONAL PERFORMANCE OF EXISTING MATERIALS.
- EXAMINE SURFACES TO BE CUT AND PATCHED AND CONDITIONS UNDER WHICH CUTTING AND PATCHING ARE TO BE PERFORMED. BEFORE PATCHING, VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH EXISTING FINISHES OR PRIMERS.
- PROCEED WITH INSTALLATION ONLY AFTER UNSAFE OR UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROTECT EXISTING CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.
- AVOID INTERFERENCE WITH USE OF ADJOINING AREAS OR INTERRUPTION OF FREE PASSAGE TO ADJOINING AREAS. CUT EXISTING CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER, COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS.
- IN GENERAL, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING AND GRINDING, NOT HAMMERS AND CHIPPING. CUT HOLES AND SLOTS AS SMALL AS POSSIBLE, NEATLY TO SIZE REQUIRED, AND WITH MINIMAL DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE.
- EXISTING FINISHED SURFACES: CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES. CUT CONCRETE AND MASONRY USING A CUTTING MACHINE, SUCH AS AN ABRASIVE SAW OR A DIAMOND-CORE DRILL.
- EXCAVATING AND BACKFILLING: COMPLY WITH REQUIREMENTS IN APPLICABLE DIVISION 2 SECTIONS WHERE REQUIRED BY CUTTING AND PATCHING OPERATIONS.
- CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP VALVE, OR PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT TO PREVENT ENTRANCE OF MOISTURE OR OTHER FOREIGN MATTER AFTER CUTTING.
- PROCEED WITH PATCHING AFTER CONSTRUCTION OPERATIONS REQUIRING CUTTING ARE COMPLETE.
- PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS OF THESE SPECIFICATIONS.
- WHERE FEASIBLE, TEST AND INSPECT PATCHED AREAS AFTER COMPLETION TO DEMONSTRATE INTEGRITY OF INSTALLATION.

- RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO RETAINED ADJOINING CONSTRUCTION IN A MANNER THAT WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.
- FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR CONTRACTOR BE RESPONSIBLE FOR THE SURFACE. PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE, AND APPEARANCE. REMOVE EXISTING FLOOR AND WALL COVERINGS AND REPLACE WITH NEW MATERIALS, IF NECESSARY, TO ACHIEVE UNIFORM COLOR AND APPEARANCE. FLOORS AND WALLS SHALL BE REMOVED AND REPLACED AS REQUIRED FOR INSTALLATION OF MECHANICAL, ELECTRICAL, AND PLUMBING. AFFECTED AREAS SHALL MATCH ADJACENT MATERIALS, PARTITION TYPES, AND RATING REQUIREMENTS.
- WHERE PATCHING OCCURS IN A PAINTED SURFACE, APPLY PRIMER AND INTERMEDIATE PAINT COATS OVER THE PATCH AND APPLY FINAL PAINT COAT OVER ENTIRE UNBROKEN SURFACE CONTAINING THE PATCH. PROVIDE ADDITIONAL COATS UNTIL PATCH BLENDS WITH ADJACENT SURFACES.
- PATCH, REPAIR, OR REHANG EXISTING CEILINGS AS NECESSARY TO PROVIDE AN EVEN-PLANE SURFACE OF UNIFORM APPEARANCE. CEILINGS SHALL BE REMOVED AND REPLACED AS REQUIRED FOR INSTALLATION OF MECHANICAL, ELECTRICAL, AND PLUMBING. AFFECTED AREAS SHALL MATCH ADJACENT MATERIALS.
- EXTENDING THROUGH ROOF PATCH COMPONENTS IN A MANNER THAT RESTORES ENCLOSURE TO A WEATHERTIGHT CONDITION.

## CLEANING

- ALL INTERIOR SURFACES (NEW AND EXISTING) SHALL BE CLEANED BY CONTRACTOR INCLUDING, BUT NOT LIMITED TO, FLOOR AND CEILING DIFFUSERS, WINDOWS, AND FIXTURES INCLUDED IN SCOPE OF WORK.

## DIVISION 6 ROUGH CARPENTRY

- Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Lumber Standards and Grade Stamps: DOC PS 20, American Softwood Lumber Standard; and inspection agency grade stamps.
- Construction Panel Standards: DOC PS 1, U.S. Product Standard for Construction and Industrial Plywood; APA PRP-108.
- Fire-Retardant Treatment: AWPA C20 for lumber and AWPA C27 for plywood, noncorrosive type. Provide at building interior where required by code.
- Rough Carpentry Applications:
  - Interior Building Enclosure: Walls, ceilings, and blocking.
  - Backing panels.
  - Forming with dimension lumber.
  - Wood grounds, nailers, and blocking.
  - Backing panels.
  - Openings for passage of piping, ductwork, conduit, and other mechanical and electrical equipment through walls, floors, roofs, chases, etc., in new construction shall be provided as required. Openings required and not indicated on the drawings shall be verified and approved by the affected contractor. All contractors shall give affected contractor complete information as to exact size and location of all such openings at proper time to enable openings to be left in construction work as required. If contractors fail to comply with these requirements, necessary cutting and patching will be done by the contractor who first installed the work at the expense of the other contractors creating the work. Cutting and patching of existing work shall be the responsibility of the contractor whose work is to be accommodated. All work must be done by qualified personnel.
  - Refer to other specifications for specific requirements and limitations applicable to cutting and patching individual parts of the work. Refer to mechanical and electrical specifications for additional requirements and limitations applicable to cutting and patching mechanical and electrical installations.
- DEFINITIONS:
  - CUTTING: REMOVAL OF EXISTING CONSTRUCTION NECESSARY TO PERMIT INSTALLATION OR PERFORMANCE OF OTHER WORK.
  - PATCHING: FITTING AND REPAIR WORK REQUIRED TO RESTORE SURFACES TO ORIGINAL CONDITIONS AFTER INSTALLATION OF OTHER WORK.
- DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY OR LOAD-DEFLECTION RATIO.
- DO NOT CUT AND PATCH OPERATING ELEMENTS AND RELATED COMPONENTS IN A MANNER THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY INCLUDING, BUT NOT LIMITED TO: PRIMARY OPERATIONAL SYSTEMS AND EQUIPMENT; AIR OR SMOKE PREVENTERS; FIRE PROTECTION SYSTEMS; CONTROL SYSTEMS; COMMUNICATION SYSTEMS; CONVEYING SYSTEMS; AND ELECTRICAL WIRING SYSTEMS.
- DO NOT CUT AND PATCH THE FOLLOWING ELEMENTS OR RELATED COMPONENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY, THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY INCLUDING, BUT NOT LIMITED TO: WATER, MOISTURE, VAPOR BARRIERS, MEMBRANES AND FLASHINGS; EQUIPMENT SUPPORTS; PIPING, DUCTWORK, VESSELS, AND EQUIPMENT; AND NOISE- AND VIBRATION-CONTROL ELEMENTS AND SYSTEMS.
- DO NOT CUT AND PATCH CONSTRUCTION IN A MANNER THAT RESULTS IN VISUAL EVIDENCE OF CUTTING AND PATCHING. DO NOT CUT AND PATCH CONSTRUCTION EXPOSED ON THE EXTERIOR OR IN OCCUPIED SPACES IN A MANNER THAT WOULD, IN THE ARCHITECT'S OPINION, REDUCE THE BUILDING'S AESTHETIC QUALITIES. REMOVE AND REPLACE CONSTRUCTION THAT HAS BEEN CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER.
- USE MATERIALS IDENTICAL TO EXISTING MATERIALS FOR EXPOSED SURFACES. USE MATERIALS THAT VISUALLY MATCH EXISTING ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE. IF IDENTICAL MATERIALS ARE UNAVAILABLE OR CANNOT BE USED, USE MATERIALS THAT, WHEN INSTALLED, WILL MATCH THE VISUAL AND FUNCTIONAL PERFORMANCE OF EXISTING MATERIALS.
- EXAMINE SURFACES TO BE CUT AND PATCHED AND CONDITIONS UNDER WHICH CUTTING AND PATCHING ARE TO BE PERFORMED. BEFORE PATCHING, VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH EXISTING FINISHES OR PRIMERS.
- PROCEED WITH INSTALLATION ONLY AFTER UNSAFE OR UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROTECT EXISTING CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.
- AVOID INTERFERENCE WITH USE OF ADJOINING AREAS OR INTERRUPTION OF FREE PASSAGE TO ADJOINING AREAS. CUT EXISTING CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER, COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS.
- IN GENERAL, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING AND GRINDING, NOT HAMMERS AND CHIPPING. CUT HOLES AND SLOTS AS SMALL AS POSSIBLE, NEATLY TO SIZE REQUIRED, AND WITH MINIMAL DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE.
- EXISTING FINISHED SURFACES: CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES. CUT CONCRETE AND MASONRY USING A CUTTING MACHINE, SUCH AS AN ABRASIVE SAW OR A DIAMOND-CORE DRILL.
- EXCAVATING AND BACKFILLING: COMPLY WITH REQUIREMENTS IN APPLICABLE DIVISION 2 SECTIONS WHERE REQUIRED BY CUTTING AND PATCHING OPERATIONS.
- CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP VALVE, OR PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT TO PREVENT ENTRANCE OF MOISTURE OR OTHER FOREIGN MATTER AFTER CUTTING.
- PROCEED WITH PATCHING AFTER CONSTRUCTION OPERATIONS REQUIRING CUTTING ARE COMPLETE.
- PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS OF THESE SPECIFICATIONS.
- WHERE FEASIBLE, TEST AND INSPECT PATCHED AREAS AFTER COMPLETION TO DEMONSTRATE INTEGRITY OF INSTALLATION.

## MILLWORK

- Provide interior finish carpentry, architectural woodwork and countertops. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Standards: Architectural Woodwork Institute (AWI) Architectural Woodwork Standards.
- Finish: Nonpressure method, exterior type, AWPA N1
- Fire-Retardant Treatment:
  - Lumber: AWPA C20, non-corrosive type.
  - Plywood: AWPA C27, non-corrosive type.
  - Particleboard: ASTM E 84, flame spread 20 or less.
- Wood Products: Comply with the following:
  - Hardboard: AIA A133.4.
  - Medium-Density Fiberboard: ANSI A208.2, Grade MD-Exterior Glue.
  - Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.
  - Softwood Plywood: DOC PS 1, Medium Density Overlay.
  - Hardwood Plywood and Face Veneers: HPVA HP-1.
- Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship of each type of finish carpentry.
- Interior Shelving and Closet Specialties:
  - Shelving: Plywood or MDF with HPL on all exposed surfaces.
  - Closets: Chrome plated steel.

## DIVISION 7

### SEALANTS

- Exterior Joints in Vertical Surfaces, Urethane:
  - Manufacturers: 3M, DAP, Sika, Tremco
  - Materials: Two-component polyurethane sealant.
- Interior Joints, Limited Movement, Acrylic:
  - Manufacturers: DAP, Tremco
  - Materials: Acrylic-emulsion type, ASTM C 834.
- Interior Joints, Sanitary Silicone:
  - Manufacturers: DAP, GE, Sika
  - Materials: One-part mildew-resistant silicone sealant, ASTM C 920.

## DIVISION 8

### METAL DOORS AND FRAMES

- Standards: ANSISD1-100, Recommended Specifications for Standard Steel Doors and Frames.
- Performance Standards:
  - Fire-Rated Assemblies: NFPA 80, and acceptable testing agency listing.
  - Thermal-Rated Assemblies at Exterior: ASTM C 236 or ASTM C 976.
  - Sound-Rated Assemblies at Mechanical Rooms: ASTM E 1408, and ASTM E 413.
- Interior Steel Doors:
  - Manufacturers: Curries; Steelcraft
  - Material: Minimum 18 gauge steel sheet.
  - Thickness: 1-3/4 inches.
  - Finish: Factory primed and field painted.
- Accessories:
  - Sightproof stationary louvers.
  - Glazing stops.
  - Slamers.
- Interior Steel Frames:
  - Manufacturers: Curries; Steelcraft
  - Material: Minimum 16 gauge steel sheet.
  - Finish: Millered or prepainted.
  - Type: Knockdown.
  - Finish: Factory primed and field painted.

### FUSH WOOD DOORS

- Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Quality Standards: AWI's Architectural Woodwork Standards.
- Fire-Rated Assemblies: NFPA 80 requirements.
- Interior Flush Wood Doors:
  - Manufacturers: Algoma Wood Products; Masonite; VT Industries
  - Material: Minimum 18 gauge steel sheet.
  - Thickness: 1-3/4 inches thick.
  - Grade: Economy.
  - Face: Plastic laminate.
  - Auxiliary Materials:
    - Glazed panels.
    - Louvered panels.

## ACCESS DOORS AND FRAMES

- Access Doors:
  - Manufacturers: Babcock Davis; Acudor Products Inc.; FAKRO AMERICA, LLC/MIFAB, Inc.
  - Frames: 16-gauge (0.058 inch) sheet steel with flange.
  - Doors: 14-gauge (0.053 inch) sheet steel.
  - Door Type: Flush panel.
  - Locking Devices: Cylinder locks.
  - Fire Rating: NFPA 80.

## STOREFRONT AND ENTRANCES

- Aluminum Entrances and Storefront:
  - Manufacturers: Kawneer; Oldcastle; Tubelle; YKK-AP
  - Aluminum Members: ASTM B 209, ASTM B 221, ASTM B 429
  - Steel Reinforcement: ASTM A 36, ASTM A 1008, and ASTM A 1011.
  - Door Style: Medium stile and rail doors.
  - Storefront Style: Aluminum framed.
  - Glass and Glazing: Insulating glazing, tempered.
  - Glazing Color: Clear glass.
  - Door Hanging Devices: Ball bearing butts.
  - Closers: Surface mounted.
  - Glazing Operation: Double acting closers.
  - Aluminum Finish: Fluoropolymer, 2-coat.
  - Auxiliary Materials:
    - Aluminum extrill panels.
    - Push/pulls, doorstops, overhead holders, and deadlocks.
    - Weatherstripping and thresholds.
    - Exit devices.

## DOOR HARDWARE

- Hardware for Fire-Rated Openings: NFPA 80, and local requirements.
- Materials and Application: ANSI A156 series standards.
- Door Hardware:
  - Quality Level: Heavy duty commercial.
  - Locksets and Latchsets: Bored cylindrical type.
  - Lock Cylinders: Integral.
  - Keying: Match existing keying and key control system.
  - Hinges and Butts: Full-mortise type at interior, with nonremovable pins at exterior doors.
  - Closers, Door Control, and Exit Devices: High frequency.
  - Pivots: Offset or center-hung type.
  - Push/Units: Through-bolted type.
  - Hardware Finishes: Satin chrome finish on exposed surfaces.
  - Auxiliary Materials:
    - Door Trim Units: Kickplates, edge trim, viewers, knockers, and mail drops, and related trim.
    - Stops and overhead door holders.
    - Fire-Retardant Treatment: AWPA C20 for lumber and AWPA C27 for plywood, noncorrosive type. Provide at building interior where required by code.
    - Interior pocket door hardware.
    - Card-operated openings.
    - Weatherstripping and thresholds.
    - Electromagnetic hold-open devices.
    - Card-operated openings.
    - Knock box for fire emergency keys.

## GLAZING

- Glazing for Fire-Rated Assemblies: Glazing for assemblies that comply with NFPA 80.
- Safety Glazing Products: Comply with testing requirements in 16 CFR 1201 and, for wired glass, ANSI Z97.1.
- Glazing Publications:
  - IGMA Publications: IGMA's 'Glazing Manual' and 'Laminated Glass Design Guide'.
  - AAMA Publications: AAMA GD53-1 'Glass Design for Sloped Glazing' and AAMA TIR-A7 'Sloped Glazing Guidelines'.
  - IGMA Publication for Sloped Glazing: IGMA TB-3001, 'Sloped Glazing Guidelines'.
  - IGMA Publication for Insulating Glass: SIGMA TM-3000, 'Glazing Guidelines for Sealed Insulating Glass Units'.
  - Manufacturers/Guardian Glass; Pilkington; Vitro Architectural Glass; (Formerly PPG Glass).
- Glazing Publications:
  - Insulating glass units, tempered at locations as required by Code.
  - Auxiliary Materials:
    - Compression gaskets.
    - Elastomeric glazing sealants.
    - Preformed glazing tapes.
    - Glazing spacers, and compressible filler rods.
    - Mirror adhesive, top and bottom angles and clips.

## DIVISION 9

### GYPSUM BOARD ASSEMBLIES

- Provide gypsum board assemblies.
- Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Tolerances: Not more than 1/16-inch difference in true plane at joints between adjacent boards before finishing; joints shall be not be visible. Not more than 1/8 inch in 10 feet deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work.
- Fire Resistance for Fire-Rated Assemblies: ASTM E 119
- Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship and level of finish.
- Performance: Fire, structural, and seismic performance meeting requirements of building code and local authorities.
- Gypsum Board:
  - Application: Interior walls, partitions, and ceilings with tape and joint compound finish.
  - Application: Abuse-resistant board at corridors.
  - Application: Cementitious backer units for application of tile.
  - Application: Installation of access panels in gypsum board assemblies.
  - Material Standard: ASTM C1396.
  - Type: Board for tape and joint compound finish.
  - Type: Regular, moisture-resistant and fire-rated types as required.
  - Typical Thickness: 5/8 inch.
  - Joint Treatment: ASTM C474 and ASTM C840, 3-coat system, paper or fiberglass tape.
  - Auxiliary Materials:
    - Cornerbead, edge trim and control joints.
    - Extruded aluminum reveals and channels.
    - Gypsum board screws, ASTM C 1002.
    - Gypsum board nails, ASTM C 514.
    - Fastening adhesive.
    - Concealed acoustical sealant.
    - Mineral fiber sound attenuation blankets.
    - Mineral fiber thermal insulation.
    - Polyethylene vapor retarder, 6 mils.
    - Polyethylene aggregated finish for ceilings.
    - Acoustical finish.
- Cementitious Backer Units:
  - Material Standard: ANSI A118.9.
  - Type: Cement-coated Portland cement panels.
  - Thickness: 1/2 inch nominal.

## WINDOW TREATMENTS

- Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Roller Shades:
  - Manufacturers: Legrand; Walstopper-Mecho-Somfy Systems, Inc.; SIVFContract; VERTILUX LTD.
  - Shadecloth: Transparent.
  - Operation: Chain-operated.
- Horizontal Louver Blinds:
  - Manufacturers: Somfy Systems, Inc.
  - Material Standard: ASTM C645.
  - Slat Thickness: 25 gauge (0.179 inch).
  - Slat: Vinyl.
  - Slat Width: 1 inch.

## NON STRUCTURAL METAL FRAMING

- Provide non-structural metal framing for gypsum board assemblies.
- Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Tolerances: Not more than 1/8 inch in 10 feet deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work.
- Fire Resistance for Fire-Rated Assemblies: ASTM E 119.
- Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship and level of finish.
- Performance: Fire, structural, and seismic performance meeting requirements of building code and local authorities.
- Steel Framing for Walls and Partitions:
  - Material Standard: ASTM C645.
  - Slat Thickness: 25 gauge (0.179 inch).
  - Stud Depth, Typical: 3-5/8 inches.
  - Furring Channel Thickness: 25 gauge (0.179 inch).
  - Type: Solid core.
  - Auxiliary Framing Components: Furring brackets, resilient furring channels, furring members, and non-corrosive fasteners.
- Steel Framing for Suspended and Furred Ceilings:
  - Material Standard: ASTM C645.
  - Attachment: Standard.
  - Stud Thickness: 25 gauge (0.179 inch).
  - Accessories: Furring channels, hangers and inserts.

## RESILIENT BASE AND ACCESSORIES

- Resilient Wall Base:
  - Manufacturers: Armstrong; Manning; Roppe; Shaw Contract
  - Standard: ASTM F 1861.
  - Type: TV Vinyl.
  - Group: I (solid, homogeneous)
  - Style: Cove.
  - Thickness: 0.125 inch.
  - Height: 4 inches.

## TILING

- Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- Tile: ANSI A 137.1.
- Tile Setting Materials: ANSI A 118 series standard specifications.
- Tile Installation: ANSI 108 series standard specifications and Tile Council of America, Handbook for Ceramic Tile Installation.
- Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship.
- Tile:
  - Manufacturers: PROFLEX Products, Inc.; Schluter Systems LP.
  - Application: Interior wall tile over tile backer board at wet areas.
  - Application: Interior floor tile over concrete slab.
  - Type: Porcelain tile.
  - Type: Quarry tile.
- Setting Materials:
  - Manufacturers: Custom Building Products; Futura Transitions; LATICRETE International, Inc.; PROFLEX Products, Inc.; Schluter Systems LP.
  - Mortar setting bed:
    - Latex additive.
    - Thin-set mortar.
    - Dry-set Portland cement mortar.
    - Latex-Portland cement mortar.
    - Conductive dry-set mortar.
    - Chemical-resistant epoxy adhesive.
    - Chemical-resistant furan mortar.
    - Modified epoxy

Table with 2 columns: Item Number, Description. Row 1: 5, GENERAL.

- GENERAL
1. THESE NOTES ARE GENERAL REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREINAFTER FOR USE ON THIS PROJECT.
3. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE CONTRACTOR SHALL CONTACT THE ARCHITECT/ENGINEER FOR CLARIFICATION.
4. TYPICAL DETAILS MAY NOT NECESSARILY BE SUB ON THE PLANS, BUT APPLY UNLESS NOTED OTHERWISE.
5. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION TO THE ENGINEER/ARCHITECT.
6. SHOP DRAWINGS PREPARED BY THE CONTRACTORS, SUPPLIERS, ETC., WILL BE REVIEWED BY THE ENGINEER/ARCHITECT ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. NO WORK AFFECTED BY THE SHOP DRAWINGS SHALL BE STARTED WITHOUT SUCH REVIEW.
7. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REVISIONS, CORRECTIONS, AND COMMENTS INDICATED ON THE SHOP DRAWINGS BY THE ARCHITECT/ENGINEER.
8. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, SUB-CONTRACTOR AND/OR SUPPLIER PRIOR TO DETAILING, FABRICATION, ERECTION OR CONSTRUCTION OF ANY ELEMENT. ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL FIELD CONDITIONS MUST BE REPORTED IMMEDIATELY TO THE ENGINEER/ARCHITECT.
9. SUPPORT, BRACE, AND SECURE EXISTING STRUCTURES AS REQUIRED TO PREVENT DAMAGE AND MOVEMENT. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF EXISTING STRUCTURES DURING CONSTRUCTION.
10. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.
11. THE STRUCTURAL CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
12. ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER ARE SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. THEY DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
13. ALL STRUCTURES ARE DESIGNED TO BE STABLE AND SELF-SUPPORTING AT THE COMPLETION OF CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE STABILITY AND SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS. AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR THE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL IS NOT INDICATED ON THE DRAWINGS AND, IF PROVIDED, SHALL BE REMOVED, AS CONDITIONS PERMIT AND REMAIN THE PROPERTY OF THE CONTRACTOR.
14. ALL MATERIALS AND EQUIPMENT FURNISHED WILL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
16. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LINTELS, METAL PAN STAIRS, SIZE AND LOCATION OF FLOOR SLOPES, DERESSED AREAS, FINISH FILLS, CHAMFERS, GROOVES, RAILING SLEEVES, ROOF DRAINS, INSERTS, ETC.
17. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR PIPE SLEEVES, FLOOR DRAINS, ROOF DRAINS, INSERTS, HANGERS, TRENCHES, PITS, WALL AND SLAB OPENINGS, CONDUIT RUNS IN WALLS AND SLABS, SIZE AND LOCATION OF EQUIPMENT SUPPORTS, BASE AND ANCHOR BOLTS, RAILING, ETC.

GOVERNING CODES AND SPECIFICATIONS

- IBC - MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, 2022 EDITION WITH SUPPLEMENT 1
ASCE 7 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2019 EDITION
ACI 318 - SPECIFICATIONS FOR CONCRETE CONSTRUCTION, 2009 EDITION
ACI 308.1 - SPECIFICATIONS FOR HOT WEATHER CONCRETING, 2014 EDITION
ACI 308R - COLD WEATHER CONCRETING, 2010 EDITION
ACI 308.3R - ACI DETAILING MANUAL, 2020
AISC 360 - SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, 2016 EDITION
AISC 360M - ACI DETAILING MANUAL, 2020
AWS D1.1 - STRUCTURAL WELDING CODE - STEEL, 2020 EDITION
AWS D1.3 - STRUCTURAL WELDING CODE - SHEET PILE, 2010 EDITION
SD-NIC - STANDARD FOR NON-COMPOSITE STEEL FLOOR DECK, 2017 EDITION

DESIGN LOADS

Table with 4 columns: Item, Description, Uniform (PSF), Concentrated (LBS). Rows include Live Loads, Snow Loads, Wind Loads, Earthquake Design Data, and Seismic Design Category.

FOUNDATIONS

- 1. FOUNDATIONS ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS OR PROPERLY COMPACTED ENGINEERED FILL WITH A NET ALLOWABLE BEARING CAPACITY OF 1,500 PSF.
2. TOPSOIL, FILL, AND/OR OTHER DELETERIOUS MATERIALS ENCOUNTERED DURING THE SITE PREPARATION MUST BE REMOVED AND REPLACED WITH SELECT ENGINEERED FILL COMPACTED TO 98% PER ASTM D698 AND MEETING THE SPECIFIED DESIGN BEARING CAPACITY.
3. REMOVE ALL EXISTING STRUCTURES AND FOUNDATIONS, AND TOPSOIL, UNSUITABLE FILLS AND ORGANIC SOILS ENCOUNTERED WITHIN AND BELOW THE AREA TO BE OCCUPIED BY SLABS ON GRADE AND FOUNDATIONS. THESE MATERIALS SHALL NOT BE USED FOR FILL WITHIN OR ADJACENT TO THE BUILDING.
4. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE TEMPORARY SHORING, BRACING, UNDERPINNING, AND OTHER MEASURES NECESSARY TO INSURE STABILITY AND SAFETY DURING ERECTION AND CONSTRUCTION AND TO PREVENT MOVEMENT OF SOIL THAT COULD DAMAGE EXISTING STRUCTURES, PAVEMENT, UTILITIES, ETC.
5. AFTER EXCAVATING FOR SLABS ON GRADE, THE EXPOSED NATURAL SOIL SHALL BE THOROUGHLY COMPACTED PRIOR TO PLACING THE GRANULAR MATERIAL.
6. CENTER FOOTINGS UNDER COLUMNS OR WALLS UNLESS NOTED.

CAST-IN-PLACE CONCRETE AND REINFORCEMENT

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318.
2. CONCRETE SHALL HAVE THE FOLLOWING 28-DAY COMPRESSIVE STRENGTHS:
a. FOOTINGS ..... 3,000 PSI
b. INTERIOR SLABS-ON-GRADE ..... 3,000 PSI
c. ELEVATED SLABS ..... 3,000 PSI
d. FILL CONCRETE ..... 1,500 PSI
3. WATER CEMENT RATIO SHALL BE AS FOLLOWS:
ALL INTERIOR SLABS-ON-GRADE ..... 0.45 (MAX)
CONCRETE WITH ENTRAINED AIR ..... 0.45 (MAX)
CONCRETE WITHOUT ENTRAINED AIR ..... 0.48 (MAX)
4. FIBER REINFORCING SHALL CONFORM TO ASTM C1116. FIBER REINFORCEMENT SHALL BE MACRO FIBER UNIFORMLY DISPERSED IN THE CONCRETE MIXTURE PER THE MANUFACTURER'S RECOMMENDATION, BUT NOT LESS THAN A RATE OF 4.0 LB/CY YD AND 1.5 INCHES LONG.
5. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
6. ADMIXTURES SHALL CONTAIN NO MORE THAN 0.05% CHLORIDE IONS BY WEIGHT OF CEMENT WHEN TESTED IN ACCORDANCE WITH AASTM T260.
7. ALL REINFORCING DETAILS SHALL CONFORM TO 'DETAILS AND DETAILING OF CONCRETE REINFORCEMENT' ACI 315, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
8. THE OWNER SHALL EMPLOY A TESTING LABORATORY APPROVED BY THE ENGINEER/ARCHITECT TO PERFORM THE TESTING SPECIFIED PER PARAGRAPH 1.8.4 OF ACI 301. THE TESTING LABORATORY SHALL MEET THE REQUIREMENTS OF ASTM E203. TESTING SHALL BE MADE BY AN ACI CONCRETE FIELD TESTING TECHNICIAN GRADE 1 OR APPROVED EQUIVALENT. A TECHNICIAN GRADE 1 SHALL BE PRESENT DURING ALL CONCRETE PLACEMENT.
9. SUBMIT SHOP DRAWINGS FOR REVIEW. THESE DRAWINGS SHALL SHOW ALL CONCRETE MEMBER DIMENSIONS.
10. PROVIDE 3/4-INCH CHAMFER ON ALL EXPOSED CORNERS OF SLABS AND WALLS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS. MINIMUM CLEARANCES FOR REINFORCING STEEL SHALL BE MAINTAINED.
11. CURE ALL CONCRETE FOR A MINIMUM 7-DAYS. APPLY CURING COMPOUND AT THE MAXIMUM COVERAGE RATE OF 300 SQUARE FEET PER GALLON. USE PRODUCT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPLICATION PROCEDURES.
12. ALL CONCRETE JOINTS SHALL BE KEPT. PROVIDE KEYS AT A MEMBER CENTERLINE WITH A DEPTH OF 1 1/2 INCH AND HEIGHT EQUAL TO ONE-THIRD OF THE MEMBER'S DEPTH/THICKNESS.
13. ALL ALUMINUM IN CONTACT WITH CONCRETE OR DISSIMILAR METALS SHALL BE COATED WITH GRAY EPOXY PRIMER, APPROVED BY THE ENGINEER.
14. FORMWORK FOR ALL CONCRETE THAT WILL BE EXPOSED IN THE COMPLETED STRUCTURE, SHALL BE CONSTRUCTED FROM A METAL OR SUITABLE SURFACE PLYWOOD THAT WILL PRODUCE AN ACCEPTABLY SMOOTH SURFACE. SEE SPECIFICATIONS.
15. CONCRETE PROTECTION (CLEAR COVER) FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
a. FOOTINGS, BOTTOM AND UNFORMED EDGES
• 3 INCHES, BOTTOM AND UNFORMED EDGES
• 2 INCHES, FORMED EDGES
b. 2 INCHES, EXPOSED TO EARTH, WATER OR WEATHER
c. SLABS, WALLS:
• 2 INCHES TO REINFORCEMENT
17. ALL HOOKS SHALL BE ACI STANDARD HOOKS UNLESS DIMENSIONED OTHERWISE.

STEEL DECK

- 1. DESIGN, FABRICATION AND INSTALLATION OF STEEL DECK UNITS SHALL CONFORM TO THE STEEL DECK INSTITUTE 'DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS AND AISI NAS, AISI 5210.
2. FLOOR DECK: (WHERE NOTED ON PLAN)
a. 9/16 INCH DEEP GALVANIZED FORM DECK
24 GAUGE: IMIN = 0.019 IN/4 SPT(MIN) = 0.055 KSI/3 SNA(MIN) = 0.055 KSI/3
3. STEEL DECKING SHALL BE ATTACHED TO SUPPORTING STRUCTURAL FRAMING AS INDICATED IN TYPICAL DECK ATTACHMENT DETAIL. ATTACHMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE MORE STRINGENT REQUIREMENTS FROM BOTH SDI OR THE DECK MANUFACTURER'S SPECIFICATIONS.
7. GALVANIZED COMPOSITE STEEL FLOOR DECK SHALL CONFORM TO ASTM A653 (STRUCTURAL QUALITY) WITH A MINIMUM YIELD STRENGTH OF 33 KSI WITH A MINIMUM G60 GALVANIZING FINISH.
8. STEEL DECK SHALL BE CONTINUOUS OVER THREE SPANS. USE HEAVIER GAGE DECK WHEN DECK IS NOT CONTINUOUS OVER THREE SPANS TO PROVIDE SIMILAR ALLOWABLE LOAD CAPACITIES.
9. DUE ALLOWANCE SHALL BE MADE FOR DEFLECTION OF UNSHORED SLABS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXTRA CONCRETE USED TO FINISH SURFACES TO REQUIRED ELEVATIONS.
10. DECK REINFORCEMENT SHALL BE PROVIDED AT OPENINGS IN THE METAL DECK. SEE TYPICAL DECK REINFORCEMENT DETAIL.
11. CONTRACTOR SHALL PROVIDE STANDARD POUR-STOPS AND CLOSURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, UNLESS NOTED OTHERWISE.
12. PROVIDE ANGLE SUPPORTS FOR METAL DECK AT COLUMNS PER TYPICAL DETAILS.

POST-INSTALLED FASTENERS

- 1. POST-INSTALLED FASTENERS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
2. INSTALL BOLTS AND ANCHORS TO MISS REINFORCING.
3. PRIOR TO DRILLING FOR THE ANCHOR CONCRETE REINFORCING STEEL SHALL BE LOCATED WITH A MAGNETIC BAR LOCATOR.
4. FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND AS GIVEN BELOW. NOTIFY THE ENGINEER IF CONFLICTS EXIST BETWEEN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND THE BELOW REQUIREMENTS.
5. FASTENERS SHALL BE INSTALLED AT NOT LESS THAN THE MANUFACTURER'S MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE, UNLESS INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER OF RECORD.
6. DRILL HOLES USING ROTARY PERCUSSION DRILL WITH A DEPTH GAGE. DO NOT DRILL THROUGH FULL THICKNESS ANCHORS. CLEAN DRILLING BY VIGOROUSLY BRUSHING AND THEN BLOW OUT LOOSE MATERIAL USING OIL-FREE COMPRESSED AIR. THE BRUSH SHALL HAVE THE STIFF NON-METALLIC BRISTLES OF TYPE AND DIAMETER RECOMMENDED BY THE ADHESIVE MANUFACTURER. IF CONCRETE IS DAMP BLOW DRY HOLES WITH OIL-FREE COMPRESSED AIR. CLEAN WITH WATER ONLY IF RECOMMENDED BY MANUFACTURER. ADHESIVE ANCHORS MAY NOT BE SET IF WATER IS SEEPING INTO HOLE; NOTIFY THE ENGINEER.
7. FOR EXPANSION ANCHORS: DRILL HOLE TO NOMINAL DIAMETER OF ANCHOR. IF METRIC ANCHORS ARE USED, METRIC BITS MUST BE USED. INSTALL ANCHOR AND TIGHTEN TO RECOMMENDED TORQUE.
8. EXPANSION BOLTS IN CONCRETE SHALL BE 'KWIK BOLT 3' BY HILTI, 'WEDGE-ALL' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
9. ADHESIVE DOWELS AND ANCHORS IN CONCRETE SHALL BE OF THE TYPE SHOWN AND INSTALLED USING 'HT HY-200' BY HILTI, 'SET' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
10. ADHESIVE ANCHOR IN HOLLOW MASONRY SHALL HAVE A SCREEN TO RETAIN CARTRIDGE INJECTED ADHESIVE AND 'HT HY-270 SYSTEM' BY HILTI, 'SET' W/SCREEN TUBE BY SIMPSON STRONG TIE OR APPROVED EQUAL.
11. CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE FOR THE ANCHOR SYSTEM TO BE USED. THIS LITERATURE SHALL INCLUDE ANCHOR MATERIAL, STRENGTH DATA, EMBEDMENT LENGTH, DRILL BIT SIZE AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. FOR ADHESIVE ANCHORS INCLUDE ADHESIVE CHEMISTRY.

SPECIAL INSPECTIONS

- PER THE IBC SECTION 1704, SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING ITEMS:
1. STRUCTURAL STEEL:
a. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS. (PERIODIC)
b. INSPECTION DURING THE TIGHTENING OF HIGH STRENGTH BOLTS IN:
• BEARING-TYPE CONNECTIONS (PERIODIC)
c. MATERIAL VERIFICATION OF STRUCTURAL STEEL.
d. STEEL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
e. VISUAL INSPECTION OF FIELD WELDS:
• COMPLETE AND PARTIAL PENETRATION GROOVE WELDS (CONTINUOUS)
• SINGLE-PASS FILLET WELDS 'S' (PERIODIC)
• FLOOR DECK WELDS (PERIODIC)
2. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.
3. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK DONE ON THE PREMISES OF AN APPROVED FABRICATOR.
2. CONCRETE:
f. INSPECTION OF REINFORCING STEEL AND PLACEMENT. (PERIODIC)
g. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE (CONTINUOUS)
h. VERIFYING USE OF REQUIRED MIX DESIGN. (PERIODIC)
i. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. (CONTINUOUS)
j. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
k. INSPECTION OF SPECIFIED CURING AND TEMPERATURE AND TECHNIQUES. (PERIODIC)
l. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. (PERIODIC)
m. NO INSPECTION IS REQUIRED FOR SLABS ON GRADE.
3. GEOTECHNICAL:
a. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. (PERIODIC)
b. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. (PERIODIC)
c. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS. (PERIODIC)
d. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL. (CONTINUOUS)
e. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PROPERLY PREPARED. (PERIODIC)
4. EXPANSION AND EPOXY ADHESIVE ANCHORS:
a. RECORD PRODUCT DESCRIPTION INCLUDING THE ADHESIVE PRODUCT NAME AND EXPIRATION DATE, ADHESIVE MIXING PROCEDURE AND USE OF PROPER NOZZLES FOR ALL CARTRIDGES. (PERIODIC)
b. VERIFY ANCHOR OR REINFORCEMENT BAR MATERIAL, GRADE, DIAMETER, LENGTH, AND CLEANLINESS. (PERIODIC)
c. VERIFY DRILL BIT DIAMETER, INCLUDING VERIFICATION OF DIAMOND-CORE AND CARBIDE-TIPPED DRILL BIT COMPLIANCE WITH ANSI B312.15. (PERIODIC)
d. VERIFY DEPTH AND CLEANLINESS OF HOLES. (PERIODIC)
e. VERIFY CONCRETE COMPRESSIVE STRENGTH BY ASTM C42 METHODS. (PERIODIC)
f. VERIFY PHYSICAL PROPERTIES OF THE CONCRETE MASONRY WALL CONSTRUCTION COMPONENTS. (PERIODIC)
g. VERIFY SUBSTRATE TEMPERATURE AT TIME OF ANCHOR INSTALLATION. (PERIODIC)
h. VERIFY ACTUAL GEL TIME WHEN INSTALLED ANCHORS ARE NOT DISTURBED. (PERIODIC)
i. VERIFY THAT THE ANCHOR INSTALLATION AND LOCATION, INCLUDING SPACING AND EDGE DISTANCE, ARE IN COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS. (PERIODIC)
5. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
a. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE.
b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE.
c. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
d. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
e. PRIOR TO START OF CONSTRUCTION CONTRACTOR SHALL PROVIDE STATEMENT OF SPECIAL INSPECTIONS ACKNOWLEDGING THE REQUIREMENTS OF IBC SECTION 1710.

METAL DECK

- 1. DESIGN, FABRICATION AND INSTALLATION OF STEEL DECK UNITS SHALL CONFORM TO THE STEEL DECK INSTITUTE 'DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS AND AISI NAS, AISI 5210.
2. FLOOR DECK: (WHERE NOTED ON PLAN)
a. 9/16 INCH DEEP GALVANIZED FORM DECK
24 GAUGE: IMIN = 0.019 IN/4 SPT(MIN) = 0.055 KSI/3 SNA(MIN) = 0.055 KSI/3
3. STEEL DECKING SHALL BE ATTACHED TO SUPPORTING STRUCTURAL FRAMING AS INDICATED IN TYPICAL DECK ATTACHMENT DETAIL. ATTACHMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE MORE STRINGENT REQUIREMENTS FROM BOTH SDI OR THE DECK MANUFACTURER'S SPECIFICATIONS.
7. GALVANIZED COMPOSITE STEEL FLOOR DECK SHALL CONFORM TO ASTM A653 (STRUCTURAL QUALITY) WITH A MINIMUM YIELD STRENGTH OF 33 KSI WITH A MINIMUM G60 GALVANIZING FINISH.
8. STEEL DECK SHALL BE CONTINUOUS OVER THREE SPANS. USE HEAVIER GAGE DECK WHEN DECK IS NOT CONTINUOUS OVER THREE SPANS TO PROVIDE SIMILAR ALLOWABLE LOAD CAPACITIES.
9. DUE ALLOWANCE SHALL BE MADE FOR DEFLECTION OF UNSHORED SLABS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXTRA CONCRETE USED TO FINISH SURFACES TO REQUIRED ELEVATIONS.
10. DECK REINFORCEMENT SHALL BE PROVIDED AT OPENINGS IN THE METAL DECK. SEE TYPICAL DECK REINFORCEMENT DETAIL.
11. CONTRACTOR SHALL PROVIDE STANDARD POUR-STOPS AND CLOSURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, UNLESS NOTED OTHERWISE.
12. PROVIDE ANGLE SUPPORTS FOR METAL DECK AT COLUMNS PER TYPICAL DETAILS.

POST-INSTALLED FASTENERS

- 1. POST-INSTALLED FASTENERS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
2. INSTALL BOLTS AND ANCHORS TO MISS REINFORCING.
3. PRIOR TO DRILLING FOR THE ANCHOR CONCRETE REINFORCING STEEL SHALL BE LOCATED WITH A MAGNETIC BAR LOCATOR.
4. FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND AS GIVEN BELOW. NOTIFY THE ENGINEER IF CONFLICTS EXIST BETWEEN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND THE BELOW REQUIREMENTS.
5. FASTENERS SHALL BE INSTALLED AT NOT LESS THAN THE MANUFACTURER'S MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE, UNLESS INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER OF RECORD.
6. DRILL HOLES USING ROTARY PERCUSSION DRILL WITH A DEPTH GAGE. DO NOT DRILL THROUGH FULL THICKNESS ANCHORS. CLEAN DRILLING BY VIGOROUSLY BRUSHING AND THEN BLOW OUT LOOSE MATERIAL USING OIL-FREE COMPRESSED AIR. THE BRUSH SHALL HAVE THE STIFF NON-METALLIC BRISTLES OF TYPE AND DIAMETER RECOMMENDED BY THE ADHESIVE MANUFACTURER. IF CONCRETE IS DAMP BLOW DRY HOLES WITH OIL-FREE COMPRESSED AIR. CLEAN WITH WATER ONLY IF RECOMMENDED BY MANUFACTURER. ADHESIVE ANCHORS MAY NOT BE SET IF WATER IS SEEPING INTO HOLE; NOTIFY THE ENGINEER.
7. FOR EXPANSION ANCHORS: DRILL HOLE TO NOMINAL DIAMETER OF ANCHOR. IF METRIC ANCHORS ARE USED, METRIC BITS MUST BE USED. INSTALL ANCHOR AND TIGHTEN TO RECOMMENDED TORQUE.
8. EXPANSION BOLTS IN CONCRETE SHALL BE 'KWIK BOLT 3' BY HILTI, 'WEDGE-ALL' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
9. ADHESIVE DOWELS AND ANCHORS IN CONCRETE SHALL BE OF THE TYPE SHOWN AND INSTALLED USING 'HT HY-200' BY HILTI, 'SET' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
10. ADHESIVE ANCHOR IN HOLLOW MASONRY SHALL HAVE A SCREEN TO RETAIN CARTRIDGE INJECTED ADHESIVE AND 'HT HY-270 SYSTEM' BY HILTI, 'SET' W/SCREEN TUBE BY SIMPSON STRONG TIE OR APPROVED EQUAL.
11. CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE FOR THE ANCHOR SYSTEM TO BE USED. THIS LITERATURE SHALL INCLUDE ANCHOR MATERIAL, STRENGTH DATA, EMBEDMENT LENGTH, DRILL BIT SIZE AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. FOR ADHESIVE ANCHORS INCLUDE ADHESIVE CHEMISTRY.

SPECIAL INSPECTIONS

- PER THE IBC SECTION 1704, SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING ITEMS:
1. STRUCTURAL STEEL:
a. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS. (PERIODIC)
b. INSPECTION DURING THE TIGHTENING OF HIGH STRENGTH BOLTS IN:
• BEARING-TYPE CONNECTIONS (PERIODIC)
c. MATERIAL VERIFICATION OF STRUCTURAL STEEL.
d. STEEL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
e. VISUAL INSPECTION OF FIELD WELDS:
• COMPLETE AND PARTIAL PENETRATION GROOVE WELDS (CONTINUOUS)
• SINGLE-PASS FILLET WELDS 'S' (PERIODIC)
• FLOOR DECK WELDS (PERIODIC)
2. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.
3. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK DONE ON THE PREMISES OF AN APPROVED FABRICATOR.
2. CONCRETE:
f. INSPECTION OF REINFORCING STEEL AND PLACEMENT. (PERIODIC)
g. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE (CONTINUOUS)
h. VERIFYING USE OF REQUIRED MIX DESIGN. (PERIODIC)
i. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. (CONTINUOUS)
j. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
k. INSPECTION OF SPECIFIED CURING AND TEMPERATURE AND TECHNIQUES. (PERIODIC)
l. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. (PERIODIC)
m. NO INSPECTION IS REQUIRED FOR SLABS ON GRADE.
3. GEOTECHNICAL:
a. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. (PERIODIC)
b. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. (PERIODIC)
c. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS. (PERIODIC)
d. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL. (CONTINUOUS)
e. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PROPERLY PREPARED. (PERIODIC)
4. EXPANSION AND EPOXY ADHESIVE ANCHORS:
a. RECORD PRODUCT DESCRIPTION INCLUDING THE ADHESIVE PRODUCT NAME AND EXPIRATION DATE, ADHESIVE MIXING PROCEDURE AND USE OF PROPER NOZZLES FOR ALL CARTRIDGES. (PERIODIC)
b. VERIFY ANCHOR OR REINFORCEMENT BAR MATERIAL, GRADE, DIAMETER, LENGTH, AND CLEANLINESS. (PERIODIC)
c. VERIFY DRILL BIT DIAMETER, INCLUDING VERIFICATION OF DIAMOND-CORE AND CARBIDE-TIPPED DRILL BIT COMPLIANCE WITH ANSI B312.15. (PERIODIC)
d. VERIFY DEPTH AND CLEANLINESS OF HOLES. (PERIODIC)
e. VERIFY CONCRETE COMPRESSIVE STRENGTH BY ASTM C42 METHODS. (PERIODIC)
f. VERIFY PHYSICAL PROPERTIES OF THE CONCRETE MASONRY WALL CONSTRUCTION COMPONENTS. (PERIODIC)
g. VERIFY SUBSTRATE TEMPERATURE AT TIME OF ANCHOR INSTALLATION. (PERIODIC)
h. VERIFY ACTUAL GEL TIME WHEN INSTALLED ANCHORS ARE NOT DISTURBED. (PERIODIC)
i. VERIFY THAT THE ANCHOR INSTALLATION AND LOCATION, INCLUDING SPACING AND EDGE DISTANCE, ARE IN COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS. (PERIODIC)
5. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
a. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE.
b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE.
c. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
d. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
e. PRIOR TO START OF CONSTRUCTION CONTRACTOR SHALL PROVIDE STATEMENT OF SPECIAL INSPECTIONS ACKNOWLEDGING THE REQUIREMENTS OF IBC SECTION 1710.

METAL DECK

- 1. DESIGN, FABRICATION AND INSTALLATION OF STEEL DECK UNITS SHALL CONFORM TO THE STEEL DECK INSTITUTE 'DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS AND AISI NAS, AISI 5210.
2. FLOOR DECK: (WHERE NOTED ON PLAN)
a. 9/16 INCH DEEP GALVANIZED FORM DECK
24 GAUGE: IMIN = 0.019 IN/4 SPT(MIN) = 0.055 KSI/3 SNA(MIN) = 0.055 KSI/3
3. STEEL DECKING SHALL BE ATTACHED TO SUPPORTING STRUCTURAL FRAMING AS INDICATED IN TYPICAL DECK ATTACHMENT DETAIL. ATTACHMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE MORE STRINGENT REQUIREMENTS FROM BOTH SDI OR THE DECK MANUFACTURER'S SPECIFICATIONS.
7. GALVANIZED COMPOSITE STEEL FLOOR DECK SHALL CONFORM TO ASTM A653 (STRUCTURAL QUALITY) WITH A MINIMUM YIELD STRENGTH OF 33 KSI WITH A MINIMUM G60 GALVANIZING FINISH.
8. STEEL DECK SHALL BE CONTINUOUS OVER THREE SPANS. USE HEAVIER GAGE DECK WHEN DECK IS NOT CONTINUOUS OVER THREE SPANS TO PROVIDE SIMILAR ALLOWABLE LOAD CAPACITIES.
9. DUE ALLOWANCE SHALL BE MADE FOR DEFLECTION OF UNSHORED SLABS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXTRA CONCRETE USED TO FINISH SURFACES TO REQUIRED ELEVATIONS.
10. DECK REINFORCEMENT SHALL BE PROVIDED AT OPENINGS IN THE METAL DECK. SEE TYPICAL DECK REINFORCEMENT DETAIL.
11. CONTRACTOR SHALL PROVIDE STANDARD POUR-STOPS AND CLOSURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, UNLESS NOTED OTHERWISE.
12. PROVIDE ANGLE SUPPORTS FOR METAL DECK AT COLUMNS PER TYPICAL DETAILS.

POST-INSTALLED FASTENERS

- 1. POST-INSTALLED FASTENERS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
2. INSTALL BOLTS AND ANCHORS TO MISS REINFORCING.
3. PRIOR TO DRILLING FOR THE ANCHOR CONCRETE REINFORCING STEEL SHALL BE LOCATED WITH A MAGNETIC BAR LOCATOR.
4. FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND AS GIVEN BELOW. NOTIFY THE ENGINEER IF CONFLICTS EXIST BETWEEN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND THE BELOW REQUIREMENTS.
5. FASTENERS SHALL BE INSTALLED AT NOT LESS THAN THE MANUFACTURER'S MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE, UNLESS INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER OF RECORD.
6. DRILL HOLES USING ROTARY PERCUSSION DRILL WITH A DEPTH GAGE. DO NOT DRILL THROUGH FULL THICKNESS ANCHORS. CLEAN DRILLING BY VIGOROUSLY BRUSHING AND THEN BLOW OUT LOOSE MATERIAL USING OIL-FREE COMPRESSED AIR. THE BRUSH SHALL HAVE THE STIFF NON-METALLIC BRISTLES OF TYPE AND DIAMETER RECOMMENDED BY THE ADHESIVE MANUFACTURER. IF CONCRETE IS DAMP BLOW DRY HOLES WITH OIL-FREE COMPRESSED AIR. CLEAN WITH WATER ONLY IF RECOMMENDED BY MANUFACTURER. ADHESIVE ANCHORS MAY NOT BE SET IF WATER IS SEEPING INTO HOLE; NOTIFY THE ENGINEER.
7. FOR EXPANSION ANCHORS: DRILL HOLE TO NOMINAL DIAMETER OF ANCHOR. IF METRIC ANCHORS ARE USED, METRIC BITS MUST BE USED. INSTALL ANCHOR AND TIGHTEN TO RECOMMENDED TORQUE.
8. EXPANSION BOLTS IN CONCRETE SHALL BE 'KWIK BOLT 3' BY HILTI, 'WEDGE-ALL' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
9. ADHESIVE DOWELS AND ANCHORS IN CONCRETE SHALL BE OF THE TYPE SHOWN AND INSTALLED USING 'HT HY-200' BY HILTI, 'SET' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
10. ADHESIVE ANCHOR IN HOLLOW MASONRY SHALL HAVE A SCREEN TO RETAIN CARTRIDGE INJECTED ADHESIVE AND 'HT HY-270 SYSTEM' BY HILTI, 'SET' W/SCREEN TUBE BY SIMPSON STRONG TIE OR APPROVED EQUAL.
11. CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE FOR THE ANCHOR SYSTEM TO BE USED. THIS LITERATURE SHALL INCLUDE ANCHOR MATERIAL, STRENGTH DATA, EMBEDMENT LENGTH, DRILL BIT SIZE AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. FOR ADHESIVE ANCHORS INCLUDE ADHESIVE CHEMISTRY.

SPECIAL INSPECTIONS

- PER THE IBC SECTION 1704, SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING ITEMS:
1. STRUCTURAL STEEL:
a. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS. (PERIODIC)
b. INSPECTION DURING THE TIGHTENING OF HIGH STRENGTH BOLTS IN:
• BEARING-TYPE CONNECTIONS (PERIODIC)
c. MATERIAL VERIFICATION OF STRUCTURAL STEEL.
d. STEEL MEMBERS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
e. VISUAL INSPECTION OF FIELD WELDS:
• COMPLETE AND PARTIAL PENETRATION GROOVE WELDS (CONTINUOUS)
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2. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.
3. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK DONE ON THE PREMISES OF AN APPROVED FABRICATOR.
2. CONCRETE:
f. INSPECTION OF REINFORCING STEEL AND PLACEMENT. (PERIODIC)
g. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE (CONTINUOUS)
h. VERIFYING USE OF REQUIRED MIX DESIGN. (PERIODIC)
i. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. (CONTINUOUS)
j. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
k. INSPECTION OF SPECIFIED CURING AND TEMPERATURE AND TECHNIQUES. (PERIODIC)
l. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. (PERIODIC)
m. NO INSPECTION IS REQUIRED FOR SLABS ON GRADE.
3. GEOTECHNICAL:
a. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. (PERIODIC)
b. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. (PERIODIC)
c. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS. (PERIODIC)
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5. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
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b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE.
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d. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
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3. STEEL DECKING SHALL BE ATTACHED TO SUPPORTING STRUCTURAL FRAMING AS INDICATED IN TYPICAL DECK ATTACHMENT DETAIL. ATTACHMENT SHALL BE PERFORMED IN ACCORDANCE WITH THE MORE STRINGENT REQUIREMENTS FROM BOTH SDI OR THE DECK MANUFACTURER'S SPECIFICATIONS.
7. GALVANIZED COMPOSITE STEEL FLOOR DECK SHALL CONFORM TO ASTM A653 (STRUCTURAL QUALITY) WITH A MINIMUM YIELD STRENGTH OF 33 KSI WITH A MINIMUM G60 GALVANIZING FINISH.
8. STEEL DECK SHALL BE CONTINUOUS OVER THREE SPANS. USE HEAVIER GAGE DECK WHEN DECK IS NOT CONTINUOUS OVER THREE SPANS TO PROVIDE SIMILAR ALLOWABLE LOAD CAPACITIES.
9. DUE ALLOWANCE SHALL BE MADE FOR DEFLECTION OF UNSHORED SLABS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR EXTRA CONCRETE USED TO FINISH SURFACES TO REQUIRED ELEVATIONS.
10. DECK REINFORCEMENT SHALL BE PROVIDED AT OPENINGS IN THE METAL DECK. SEE TYPICAL DECK REINFORCEMENT DETAIL.
11. CONTRACTOR SHALL PROVIDE STANDARD POUR-STOPS AND CLOSURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, UNLESS NOTED OTHERWISE.
12. PROVIDE ANGLE SUPPORTS FOR METAL DECK AT COLUMNS PER TYPICAL DETAILS.

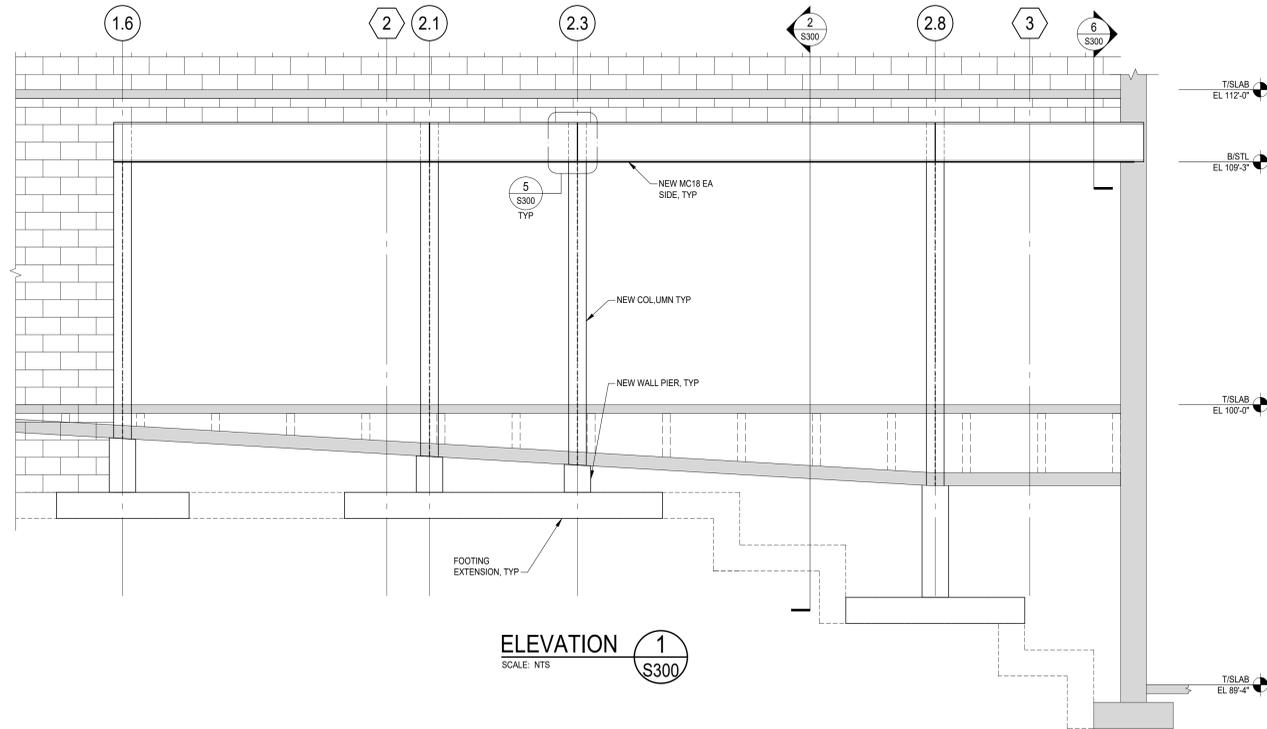
POST-INSTALLED FASTENERS

- 1. POST-INSTALLED FASTENERS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS.
2. INSTALL BOLTS AND ANCHORS TO MISS REINFORCING.
3. PRIOR TO DRILLING FOR THE ANCHOR CONCRETE REINFORCING STEEL SHALL BE LOCATED WITH A MAGNETIC BAR LOCATOR.
4. FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND AS GIVEN BELOW. NOTIFY THE ENGINEER IF CONFLICTS EXIST BETWEEN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND THE BELOW REQUIREMENTS.
5. FASTENERS SHALL BE INSTALLED AT NOT LESS THAN THE MANUFACTURER'S MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE, UNLESS INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER OF RECORD.
6. DRILL HOLES USING ROTARY PERCUSSION DRILL WITH A DEPTH GAGE. DO NOT DRILL THROUGH FULL THICKNESS ANCHORS. CLEAN DRILLING BY VIGOROUSLY BRUSHING AND THEN BLOW OUT LOOSE MATERIAL USING OIL-FREE COMPRESSED AIR. THE BRUSH SHALL HAVE THE STIFF NON-METALLIC BRISTLES OF TYPE AND DIAMETER RECOMMENDED BY THE ADHESIVE MANUFACTURER. IF CONCRETE IS DAMP BLOW DRY HOLES WITH OIL-FREE COMPRESSED AIR. CLEAN WITH WATER ONLY IF RECOMMENDED BY MANUFACTURER. ADHESIVE ANCHORS MAY NOT BE SET IF WATER IS SEEPING INTO HOLE; NOTIFY THE ENGINEER.
7. FOR EXPANSION ANCHORS: DRILL HOLE TO NOMINAL DIAMETER OF ANCHOR. IF METRIC ANCHORS ARE USED, METRIC BITS MUST BE USED. INSTALL ANCHOR AND TIGHTEN TO RECOMMENDED TORQUE.
8. EXPANSION BOLTS IN CONCRETE SHALL BE 'KWIK BOLT 3' BY HILTI, 'WEDGE-ALL' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
9. ADHESIVE DOWELS AND ANCHORS IN CONCRETE SHALL BE OF THE TYPE SHOWN AND INSTALLED USING 'HT HY-200' BY HILTI, 'SET' BY SIMPSON STRONG TIE OR APPROVED EQUAL.
10. ADHESIVE ANCHOR IN HOLLOW MASONRY SHALL HAVE A SCREEN TO RETAIN CARTRIDGE INJECTED ADHESIVE AND 'HT HY-270 SYSTEM' BY HILTI, 'SET' W/SCREEN TUBE BY SIMPSON STRONG TIE OR APPROVED EQUAL.
11. CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE FOR THE ANCHOR SYSTEM TO BE USED. THIS LITERATURE SHALL INCLUDE ANCHOR MATERIAL, STRENGTH DATA, EMBEDMENT LENGTH, DRILL BIT SIZE AND THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. FOR ADHESIVE ANCHORS INCLUDE ADHESIVE CHEMISTRY.

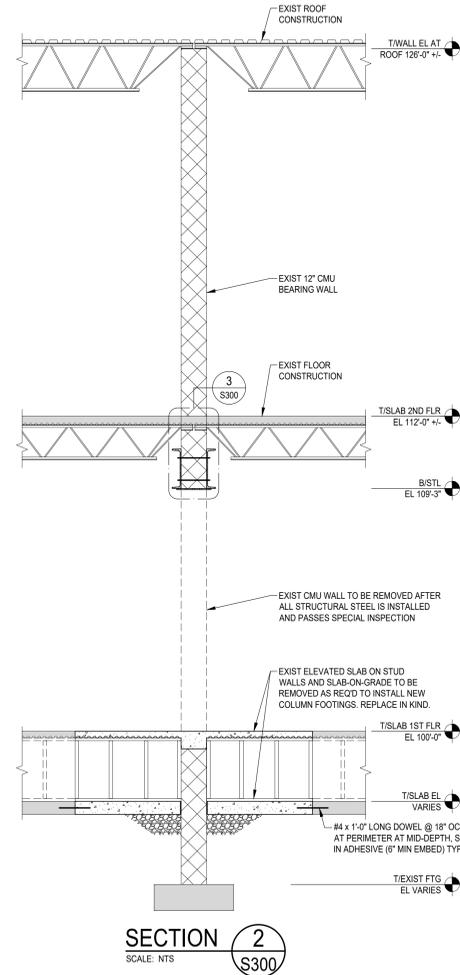




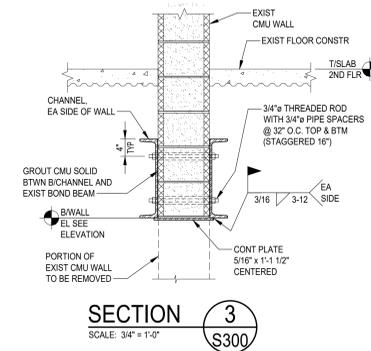




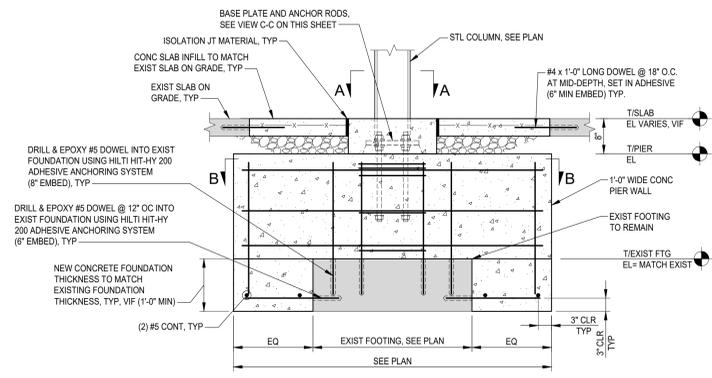
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S300



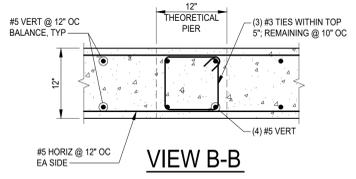
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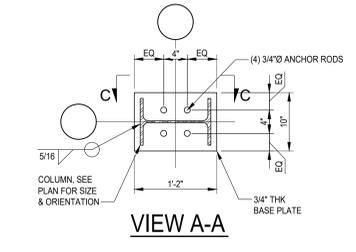
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S300



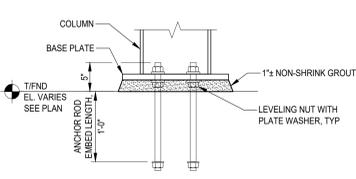
**TYPICAL WF COLUMN AT EXIST FOOTING**  
SCALE: 3/4" = 1'-0"  
S300



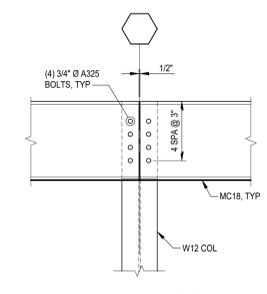
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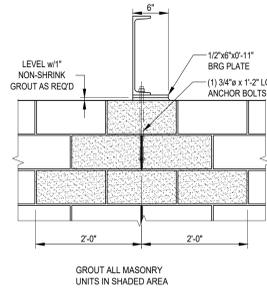
**VIEW A-A**



**VIEW C-C**



**DETAIL 5**  
SCALE: 3/4" = 1'-0"  
S300



**BEAM BEARING DETAIL**  
SCALE: NTS  
S300



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Mt. Vernon Municipal Center / COTC Renovation

City of Mount Vernon

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SUBMITTED: 02.16.2026


**S300**

ELEVATION AND SECTIONS

MKC PROJECT: 24-011A



KEYNOTES

- 02.01 REMOVE PORTION OF EXISTING WALL. PREPARE SURROUNDING SURFACES FOR NEW WORK.
02.02 REMOVE AND SALVAGE EXISTING DOOR, SIDE-LITE, AND FRAME. PATCH AND REPAIR WHERE REQUIRED TO PREPARE FOR NEW WORK.
02.22 SAWCUT AND REMOVE PORTION OF EXISTING SLAB-ON-GRADE AS REQUIRED TO INSTALL NEW IN-FLOOR CONDUIT AND FLOOR BOX.

GENERAL NOTES - DEMOLITION

- 1. UNLESS OTHERWISE NOTED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.
2. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
3. OWNER WILL OCCUPY PORTIONS OF BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREA. CONDUCT SELECTIVE DEMOLITION SO OWNERS OPERATIONS WILL NOT BE INTERRUPTED.
4. HAZARDOUS MATERIALS: IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK.
5. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
6. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
7. ARRANGE SELECTIVE DEMOLITION SCHEDULE SO AS NOT TO INTERFERE WITH OWNER'S OPERATIONS.
8. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING SELECTIVE DEMOLITION OPERATIONS.
9. EXISTING SERVICES/SYSTEMS TO REMAIN: MAINTAIN SERVICES/SYSTEMS INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE.
10. EXISTING SERVICES/SYSTEMS TO BE REMOVED, RELOCATED, OR ABANDONED: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
11. TEMPORARY PROTECTION: PROVIDE BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
12. TEMPORARY SHORING: DESIGN, PROVIDE, AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
13. REMOVED TEMPORARY BARRICADES AND PROTECTIONS WHERE HAZARDS NOT LONGER EXIST.
14. GENERAL DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATION AND AS FOLLOWS:
15. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT SELECTIVE DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
16. REMOVED AND REINSTALLED ITEMS:
17. EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION.
18. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF THEM IN AN EPA-APPROVED CONSTRUCTION AND DEMOLITION WASTE LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
19. REMOVE EXISTING BASE AT AREA OF WORK UNLESS OTHERWISE SPECIFIED. REFER TO FINISH PLANS AND ELEVATIONS FOR UPDATED FINISHES.
20. PATCH AND REPAIR ANY EXISTING WALLS TO REMAIN. MATCH FINISHES AS INDICATED ON FINISH PLANS.
21. WINDOWS TO BE REMOVED AS INDICATED ON DEMOLITION FLOOR PLANS. PROTECT AND STORE UNTIL REINSTALL. REFER TO PROPOSED PLAN FOR NEW WINDOW LOCATIONS.



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ARCHITECT OF RECORD
MATTHEW T. TEISMANN
#1616826
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026

AD100
LEVEL 00 DEMOLITION PLAN

MKC PROJECT: 24-011A

PHASE: BID & PERMIT SET

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1 LEVEL 00 DEMO FLOOR PLAN

AD100 SCALE: 3/16" = 1'-0"



- KEYNOTES**
- 02.01 REMOVE PORTION OF EXISTING WALL. PREPARE SURROUNDING SURFACES FOR NEW WORK.
  - 02.02 REMOVE AND SALVAGE EXISTING DOOR, SIDE-LITE, AND FRAME. PATCH AND REPAIR WHERE REQUIRED TO PREPARE FOR NEW WORK. COORDINATE WITH OWNER FOR RELOCATION. MATCH FINISHES ACCORDING TO FINISH SCHEDULE.
  - 02.03 REMOVE EXISTING STOREFRONT WINDOW. PREPARE SURROUNDING SURFACES FOR NEW WORK.
  - 02.04 REMOVE EXISTING SLIDING GLASS DOOR. PREPARE SURROUNDING SURFACES FOR NEW WORK.
  - 02.05 REMOVE EXISTING COLUMN WRAP AND SOFFIT ABOVE TO PREPARE FOR NEW WORK.
  - 02.06 REMOVE PORTION OF EXISTING LOAD-BEARING WALL. PROVIDE TEMPORARY SHORING AND BEARING CONDITIONS AS REQUIRED BY NEW WORK.
  - 02.07 REMOVE EXISTING FIREPLACE AND HEARTH ENTIRELY. CAP OFF AND SEAL EXISTING FLUTE AND CHIMNEY AT ROOF LEVEL TO PREVENT WATER INFILTRATION. VERIFY STRUCTURAL INTEGRITY OF REMAINING CHIMNEY PORTION AND PROVIDE SUPPORT AS REQUIRED.
  - 02.14 EXISTING HSS3X0.250 TO REMAIN. PROTECT AND VERIFY STRUCTURAL INTEGRITY.
  - 02.21 APPROXIMATE PORTION OF FLOOR SLAB TO DEMOLISHED AND REPLACED FOR NEW WORK AS INDICATED BY HATCHING. PROVIDE TEMPORARY SHORING AS REQUIRED; REFER TO STRUCTURAL DRAWINGS.

**GENERAL NOTES - DEMOLITION**

1. UNLESS OTHERWISE NOTED, DEMOLITION WASTE BECOMES PROPERTY OF CONTRACTOR.
2. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
3. OWNER WILL OCCUPY PORTIONS OF BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREA. CONDUCT SELECTIVE DEMOLITION SO OWNERS OPERATIONS WILL NOT BE DISRUPTED.
4. HAZARDOUS MATERIALS: IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK.
  - a. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.
5. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
6. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
7. ARRANGE SELECTIVE DEMOLITION SCHEDULE SO AS NOT TO INTERFERE WITH OWNER'S OPERATIONS.
8. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING SELECTIVE DEMOLITION OPERATIONS.
9. EXISTING SERVICES/SYSTEMS TO REMAIN: MAINTAIN SERVICES/SYSTEMS INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE.
10. EXISTING SERVICES/SYSTEMS TO BE REMOVED, RELOCATED, OR ABANDONED: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
  - a. OWNER WILL ARRANGE TO SHUT OFF INDICATED SERVICES/SYSTEMS WHEN REQUESTED BY CONTRACTOR.
  - b. ARRANGE TO SHUT OFF UTILITIES WITH UTILITY COMPANIES IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED. PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF THE BUILDING.
  - c. DISCONNECT, DEMOLISH, AND REMOVE FIRE SUPPRESSION SYSTEMS, PLUMBING, AND HVAC SYSTEMS, EQUIPMENT, AND COMPONENTS INDICATED ON DRAWINGS TO BE REMOVED.
    1. PIPING TO BE REMOVED: REMOVE PORTION OF PIPING INDICATED TO BE REMOVED AND CAP OR PLUG REMAINING PIPING WITH SAME OR COMPATIBLE PIPING MATERIAL.
    2. PIPING TO BE ABANDONED IN PLACE: DRAIN PIPING AND CAP OR PLUG PIPING WITH SAME OR COMPATIBLE PIPING MATERIAL AND LEAVE IN PLACE.
    3. EQUIPMENT TO BE REMOVED: DISCONNECT AND CAP SERVICES AND REMOVE EQUIPMENT.
    4. EQUIPMENT TO BE REMOVED AND REINSTALLED: DISCONNECT AND CAP SERVICES, CLEAN, AND STORE EQUIPMENT, WHEN APPROPRIATE. REINSTALL, RECONNECT, AND MAKE EQUIPMENT OPERATIONAL.
    5. EQUIPMENT TO BE REMOVED AND SALVAGED: DISCONNECT AND CAP SERVICES AND REMOVE EQUIPMENT AND DELIVER TO OWNER.
    6. DUCTS TO BE REMOVED: REMOVE PORTION OF DUCTS INDICATED TO BE REMOVED AND PLUG REMAINING DUCTS WITH SAME OR COMPATIBLE DUCTWORK MATERIAL.
    7. DUCTS TO BE ABANDONED IN PLACE: CAP OR PLUG DUCTS WITH SAME OR COMPATIBLE DUCTWORK MATERIAL AND LEAVE IN PLACE.
11. TEMPORARY PROTECTION: PROVIDE BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
12. TEMPORARY SHORING: DESIGN, PROVIDE, AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED. REMOVED TEMPORARY BARRICADES AND PROTECTIONS WHERE HAZARDS NOT LONGER EXIST.
14. GENERAL DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATION AND AS FOLLOWS:
  - a. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING. NOT HAMMERING AND CHIPPING. TEMPORARILY COVER OPENINGS TO REMAIN.
  - b. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID HARMING FINISHED SURFACES.
  - c. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN PORTABLE FIRE SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
  - d. MAINTAIN FIRE WATCH DURING AND FOR AT LEAST 2 HOURS AFTER FLAME-CUTTING OPERATIONS.
  - e. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.
  - f. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY.
15. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT SELECTIVE DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
16. REMOVED AND REINSTALLED ITEMS:
  - a. CLEAN AND REPAIR ITEMS TO FUNCTIONAL CONDITION ADEQUATE FOR INTENDED REUSE.
  - b. PACK OR CRATE ITEMS AFTER CLEANING AND REPAIRING. IDENTIFY CONTENTS OF CONTAINERS.
  - c. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
  - d. REINSTALL ITEMS IN LOCATIONS INDICATED. COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS NECESSARY TO MAKE ITEM FUNCTIONAL FOR USE INDICATED.
17. EXISTING ITEMS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE. IN EXISTING ITEMS TO REMAIN PARAGRAPH BELOW, OPTION ADDS COST. REVISE TO SUIT PROJECT.
18. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF THEM IN AN EPA-APPROVED CONSTRUCTION AND DEMOLITION WASTE LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
  - a. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
  - b. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREA.
  - c. REMOVE DEBRIS FROM ELEVATED PORTIONS OF BUILDING BY CHUTE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE IN A CONTROLLED DESCENT.
  - d. CLEAN ADJACENT SURFACES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE OPERATIONS BEGIN.
19. REMOVE EXISTING BASE AT AREA OF WORK UNLESS OTHERWISE SPECIFIED. REFER TO FINISH PLANS AND ELEVATIONS FOR UPDATED FINISHES.
20. PATCH AND REPAIR ANY EXISTING WALLS TO REMAIN. MATCH FINISHES AS INDICATED ON FINISH PLANS.
21. WINDOWS TO BE REMOVED AS INDICATED ON DEMOLITION FLOOR PLANS. PROTECT AND STORE UNTIL REINSTALL. REFER TO PROPOSED PLAN FOR NEW WINDOW LOCATIONS.



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ARCHITECT OF RECORD  
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EXPIRATION DATE: 12-31-2026

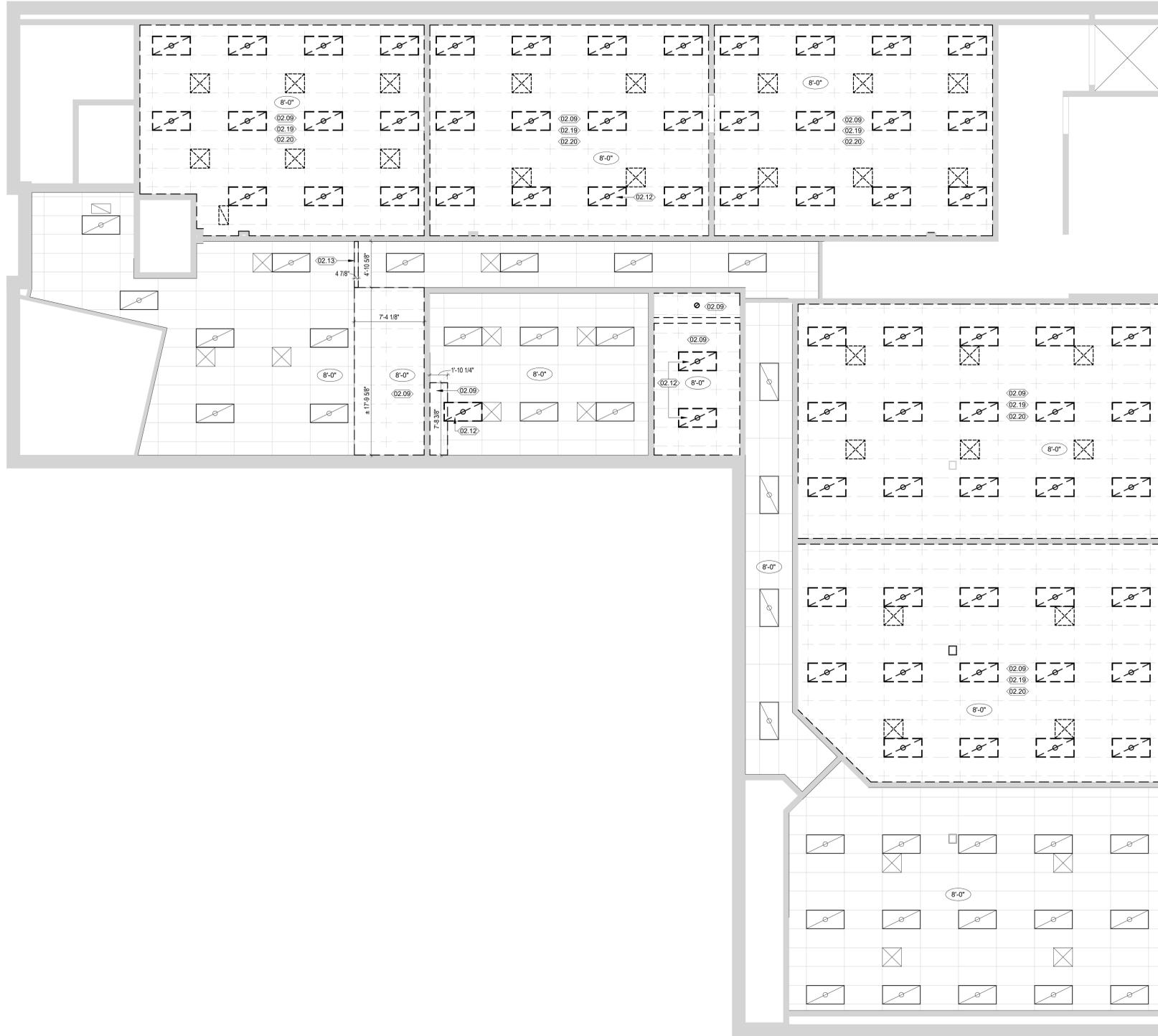
SUBMITTED: 02.16.2026

**AD101**  
LEVEL 01 DEMOLITION PLAN

MKC PROJECT: 24-011A

**1 LEVEL 01 DEMO FLOOR PLAN**  
AD101 SCALE: 3/16" = 1'-0"

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**GENERAL NOTES - CEILING PLAN**

- A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
- B. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
- C. CENTER RECESSED LIGHTS, ELECTRICAL, MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.
- D. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- E. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
- F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS. WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- G. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

**REFLECTED CEILING PLAN LEGEND:**

- # - #" CEILING HEIGHT
- ACOUSTICAL CEILING TILE - 2'x4', WHITE FINISH
- ACOUSTICAL CEILING TILE - 2'x4' DEMO
- GYPSUM BOARD - PAINTED
- VENTED ALUMINUM SOFFIT PANELS (EXISTING)
- WT-1 MANUAL ROLLER SHADE
- L1 2' x 4' LAY-IN TROFFER LIGHT
- L2 6" Ø RECESSED DOWNLIGHT (EXISTING)
- L3 4" Ø RECESSED DOWNLIGHT (NEW CONSTRUCTION)
- L4 2' x 2' LAY-IN TROFFER LIGHT
- R-1 HVAC RETURN GRILLE (REFER TO MEP DRAWINGS)
- S-1 HVAC SUPPLY DIFFUSER (REFER TO MEP DRAWINGS)

**KEYNOTES**

- 02.09 REMOVE CEILING ASSEMBLY AND ALL AFFECTED ACCESSORIES AND LIGHTING FIXTURES IN THIS AREA.
- 02.12 REMOVE AND SALVAGE 2X4 LAY-IN TROFFER LIGHT. COORDINATE RELOCATION WITH REFLECTED CEILING PLANS AND VERIFY WITH OWNER.
- 02.13 REMOVE PORTION OF 2x4 ACT CEILING ASSEMBLY TO PREPARE FOR NEW WORK.
- 02.19 REMOVE AND SALVAGE ALL 2X4 LAY-IN TROFFER LIGHTS IN THIS AREA. COORDINATE RELOCATION WITH REFLECTED CEILING PLANS AND VERIFY WITH OWNER.
- 02.20 REMOVE AND RELOCATE ALL HVAC RETURNS/SUPPLIES IN THIS AREA. REFER TO MEP DRAWINGS FOR RELOCATION.



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**ARCHITECT OF RECORD**  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026



**AD110**

LEVEL 00 DEMO RCP

MKC PROJECT: 24-011A



**GENERAL NOTES - CEILING PLAN**

- A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
- B. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
- C. CENTER RECESSED LIGHTS, ELECTRICAL MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.
- D. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- E. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
- F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS. WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- G. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

**REFLECTED CEILING PLAN LEGEND:**

- # - #" CEILING HEIGHT
- ACOUSTICAL CEILING TILE - 2'x4', WHITE FINISH
- ACOUSTICAL CEILING TILE - 2'x4' DEMO
- GYPSUM BOARD - PAINTED
- VENTED ALUMINUM SOFFIT PANELS (EXISTING)
- WT-1 MANUAL ROLLER SHADE
- L1 2' x 4' LAY-IN TROFFER LIGHT
- L2 6" Ø RECESSED DOWNLIGHT (EXISTING)
- L3 4" Ø RECESSED DOWNLIGHT (NEW CONSTRUCTION)
- L4 2' x 2' LAY-IN TROFFER LIGHT
- R-1 HVAC RETURN GRILLE (REFER TO MEP DRAWINGS)
- S-1 HVAC SUPPLY DIFFUSER (REFER TO MEP DRAWINGS)

**KEYNOTES**

- 02.09 REMOVE CEILING ASSEMBLY AND ALL AFFECTED ACCESSORIES AND LIGHTING FIXTURES IN THIS AREA.
- 02.10 REMOVE SOFFIT ABOVE TO PREPARE FOR NEW WORK.
- 02.12 REMOVE AND SALVAGE 2X4 LAY-IN TROFFER LIGHT. COORDINATE RELOCATION WITH REFLECTED CEILING PLANS AND VERIFY WITH OWNER.
- 02.19 REMOVE AND SALVAGE ALL 2X4 LAY-IN TROFFER LIGHTS IN THIS AREA. COORDINATE RELOCATION WITH REFLECTED CEILING PLANS AND VERIFY WITH OWNER.
- 02.20 REMOVE AND RELOCATE ALL HVAC RETURNS/SUPPLIES IN THIS AREA. REFER TO MEP DRAWINGS FOR RELOCATION.



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**Mt. Vernon Municipal Center / COTC Renovation**  
  
**City of Mount Vernon**  
  
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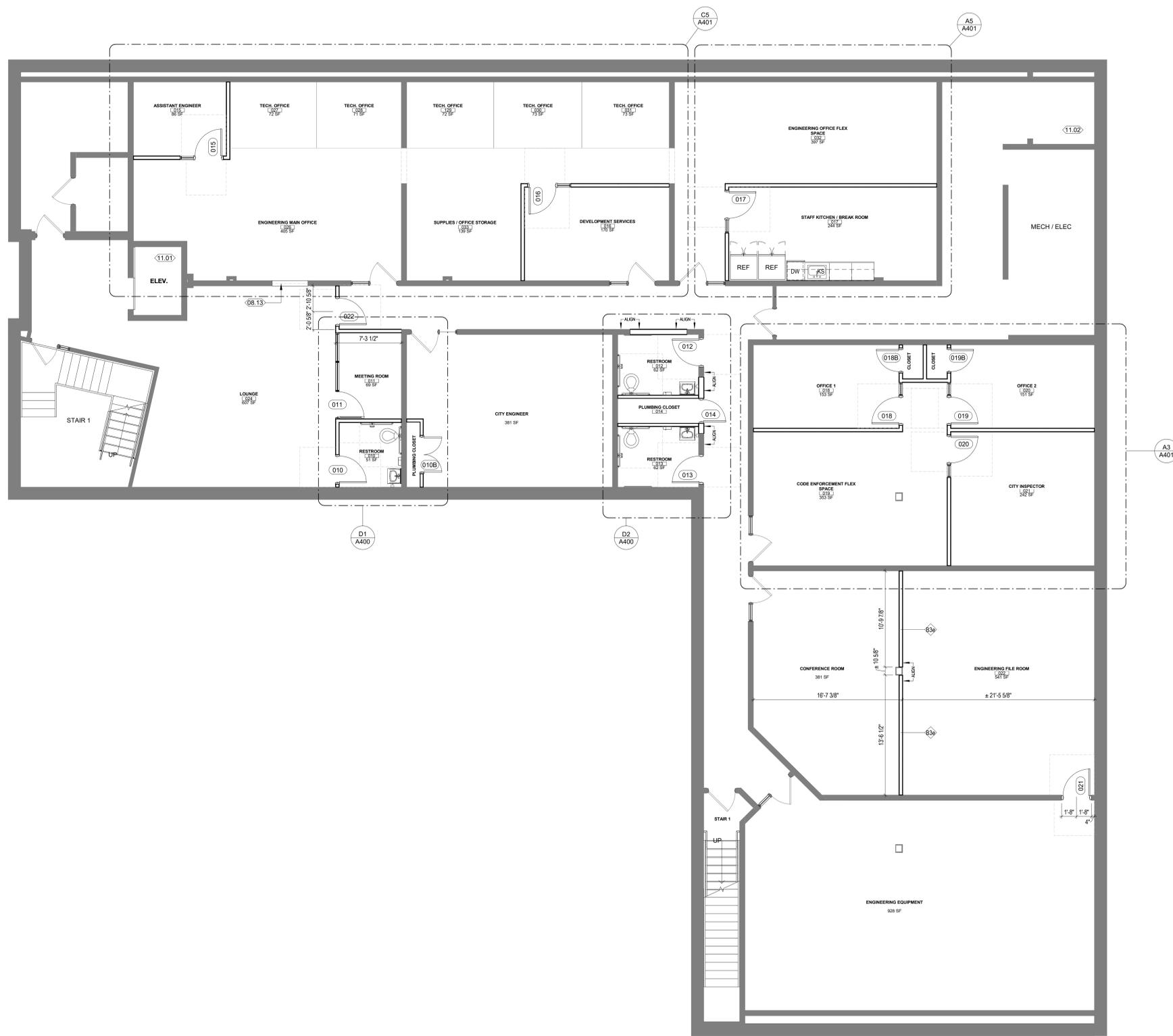
ARCHITECT OF RECORD  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026



**AD111**  
LEVEL 01 DEMO RCP

MKC PROJECT: 24-011A



GENERAL NOTES - FLOOR PLAN

- A. SEE 002 FOR TYPICAL ABBREVIATIONS, SYMBOLS AND ARCHITECTURAL DIMENSIONING CONVENTIONS.
- B. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
- C. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
- D. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES (OR WOOD BLOCKING) ACCURATELY POSITIONED AND FIRMLY SECURED TO STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
- E. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES (AND ROOF) INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
- F. AT SOUND-RATED PARTITION WALLS, PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
  1. AT OPENINGS AND CUT OUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
  2. SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

KEYNOTES

- 08.13. CRL SATIN ANODIZED SHARYN 48"x48" OX FRAMELESS PASS-THRU TRANSACTION WINDOW INSTALLED 36" A.F.F. PROVIDE 10"x48" LAMINATE SERVICE COUNTER MOUNTED 34" A.F.F.
- 11.01. NEW SUMP PUMP TO BE INSTALLED AT ELEVATOR PIT. COORDINATE EXACT LOCATION WITH OWNER. REFER TO PLUMBING AND ELECTRICAL DRAWINGS.
- 11.02. NEW RADON MITIGATION SYSTEM TO BE INSTALLED IN THIS AREA. COORDINATE EXACT LOCATION WITH OWNER. REFER TO ELECTRICAL DRAWINGS.



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ARCHITECT OF RECORD  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026



**A100**  
LEVEL 00 FLOOR PLAN

MKC PROJECT: 24-011A

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A5 LEVEL 00 FLOOR PLAN  
SCALE: 3/16" = 1'-0"



**GENERAL NOTES - FLOOR PLAN**

- A. SEE 002 FOR TYPICAL ABBREVIATIONS, SYMBOLS AND ARCHITECTURAL DIMENSIONING CONVENTIONS.
- B. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
- C. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
- D. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES (OR WOOD BLOCKING) ACCURATELY POSITIONED AND FIRMLY SECURED TO STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
- E. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES (AND ROOF) INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
- F. AT SOUND-RATED PARTITION WALLS, PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
  - 1. AT OPENINGS AND CUT OUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
  - 2. SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

**KEYNOTES**

- 02.15 EXISTING PLUMBING FIXTURES AND KITCHEN EQUIPMENT TO REMAIN.
- 08.12 CRL SATIN ANODIZED SHARYN 36"x48" OX FRAMELESS PASS-THRU TRANSACTION WINDOW INSTALLED 36" A.F.F. PROVIDE 10"x36" LAMINATE SERVICE COUNTER MOUNTED 34" A.F.F.
- 12.04 OFFICE FURNITURE TO BE PROVIDED BY OWNER. ARRANGEMENT FOR REFERENCE ONLY.



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**Mt. Vernon Municipal Center / COTC Renovation**

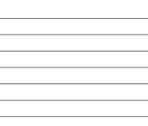
**City of Mount Vernon**

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**ARCHITECT OF RECORD**  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026



**A101**  
LEVEL 01 FLOOR PLAN

MKC PROJECT: 24-011A

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**A5 LEVEL 01 FLOOR PLAN**  
A101 SCALE: 3/16" = 1'-0"



**GENERAL NOTES - CEILING PLAN**

- A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
- B. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
- C. CENTER RECESSED LIGHTS, ELECTRICAL MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2'x4' SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2'x2' PORTION OF THE TILE.
- D. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- E. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
- F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS. WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- G. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

**REFLECTED CEILING PLAN LEGEND:**

- # - #" CEILING HEIGHT
- ACOUSTICAL CEILING TILE - 2'x4', WHITE FINISH
- ACOUSTICAL CEILING TILE - 2'x4' DEMO
- GYPSUM BOARD - PAINTED
- VENTED ALUMINUM SOFFIT PANELS (EXISTING)
- WT-1 MANUAL ROLLER SHADE
- L1 2' x 4' LAY-IN TROFFER LIGHT
- L2 6" Ø RECESSED DOWNLIGHT (EXISTING)
- L3 4" Ø RECESSED DOWNLIGHT (NEW CONSTRUCTION)
- L4 2' x 2' LAY-IN TROFFER LIGHT
- R-1 HVAC RETURN GRILLE (REFER TO MEP DRAWINGS)
- S-1 HVAC SUPPLY DIFFUSER (REFER TO MEP DRAWINGS)

**KEYNOTES**

- 09.04 [09 51 13] <ACT-1> 2'x4' ACOUSTICAL CEILING TILE SYSTEM. COORDINATE CEILING HEIGHTS WITH REFLECTED CEILING PLANS. REFER TO CEILING LEGEND FOR ASSEMBLY TYPE.
- 09.05 [09 29 00] GYPSUM BOARD CEILING. COORDINATE CEILING HEIGHTS WITH REFLECTED CEILING PLANS. REFER TO CEILING LEGEND FOR ASSEMBLY TYPE.



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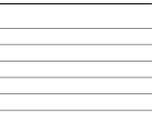
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**ARCHITECT OF RECORD**  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026



**A110**

LEVEL 00 REFLECTED CEILING PLAN

MKC PROJECT: 24-011A

PHASE: BID & PERMIT SET



GENERAL NOTES - CEILING PLAN

- A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
- B. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
- C. CENTER RECESSED LIGHTS, ELECTRICAL MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X4 PORTION OF THE TILE.
- D. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.
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- F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- G. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

REFLECTED CEILING PLAN LEGEND:

- # - #" CEILING HEIGHT
- ACOUSTICAL CEILING TILE - 2'x4', WHITE FINISH
- ACOUSTICAL CEILING TILE - 2'x4' DEMO
- GYPSUM BOARD - PAINTED
- VENTED ALUMINUM SOFFIT PANELS (EXISTING)
- WT-1 MANUAL ROLLER SHADE
- L1 2' x 4' LAY-IN TROFFER LIGHT
- L2 6" Ø RECESSED DOWNLIGHT (EXISTING)
- L3 4" Ø RECESSED DOWNLIGHT (NEW CONSTRUCTION)
- L4 2' x 2' LAY-IN TROFFER LIGHT
- R-1 HVAC RETURN GRILLE (REFER TO MEP DRAWINGS)
- S-1 HVAC SUPPLY DIFFUSER (REFER TO MEP DRAWINGS)

KEYNOTES

- 09.04 [09 51 13] <ACT-1> 2'x4' ACOUSTICAL CEILING TILE SYSTEM. COORDINATE CEILING HEIGHTS WITH REFLECTED CEILING PLANS. REFER TO CEILING LEGEND FOR ASSEMBLY TYPE.
- 09.05 [09 29 00] GYPSUM BOARD CEILING. COORDINATE CEILING HEIGHTS WITH REFLECTED CEILING PLANS. REFER TO CEILING LEGEND FOR ASSEMBLY TYPE.



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A111

LEVEL 01 REFLECTED CEILING PLAN

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A5 01 - LEVEL 01 REFLECTED CEILING PLAN  
SCALE: 3/16" = 1'-0"



**GENERAL NOTES - FLOOR PLAN**

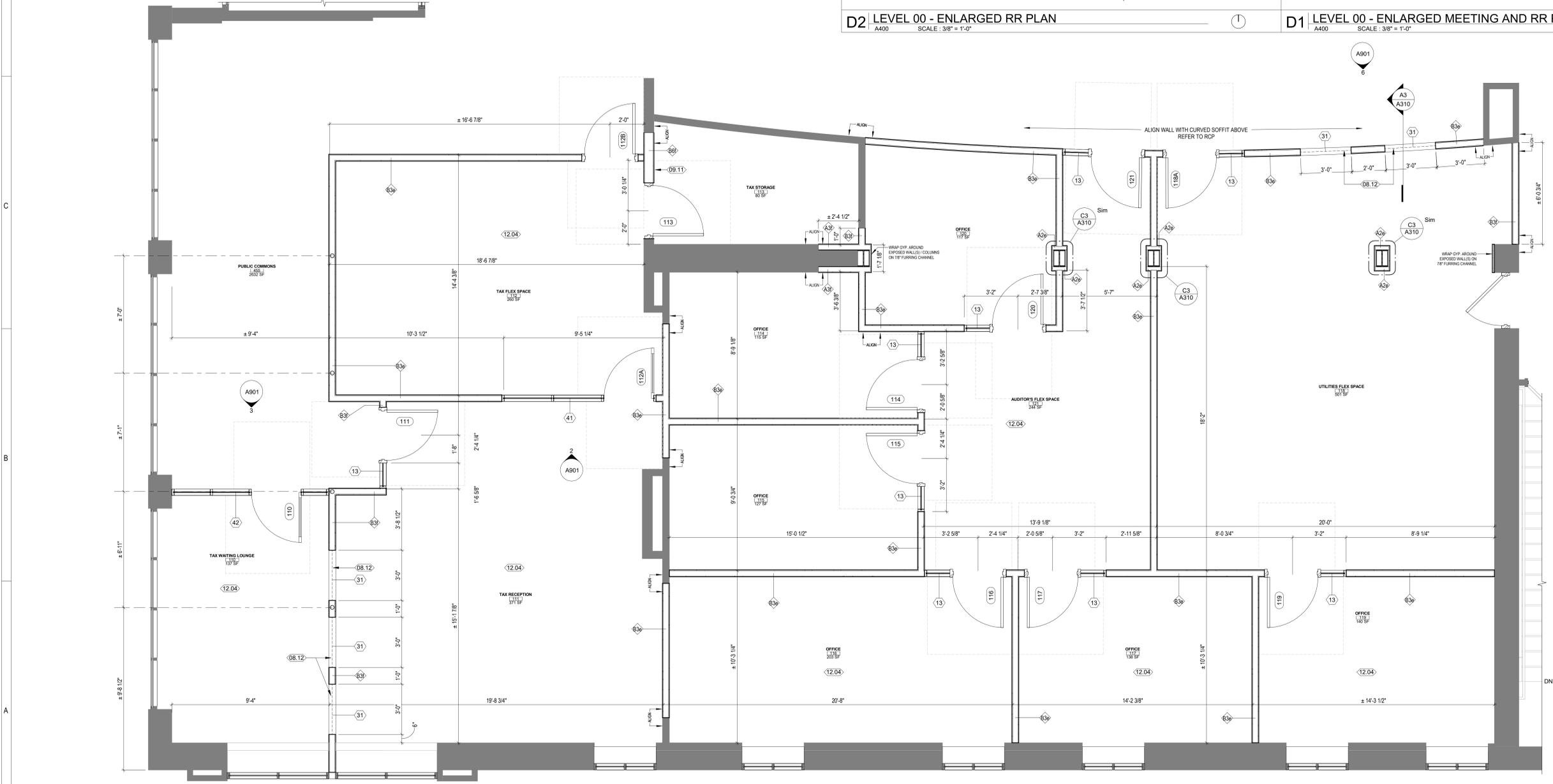
- A. SEE G002 FOR TYPICAL ABBREVIATIONS, SYMBOLS AND ARCHITECTURAL DIMENSIONING CONVENTIONS.
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- E. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES (AND ROOF) INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
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  - 1. AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
  - 2. SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

**KEYNOTES**

- 08.12 CRL SATIN ANODIZED SHARYN 36"x48" OX FRAMELESS PASS-THRU TRANSACTION WINDOW INSTALLED 36" A.F.F. PROVIDE 10"x36" LAMINATE SERVICE COUNTER MOUNTED 34" A.F.F.
- 09.11 PATCH AND REPAIR SURROUNDING GYP. BOARD AND BASE. MATCH FINISHES AND PAINT COLORS TO ADJACENT SURFACES.
- 12.04 OFFICE FURNITURE TO BE PROVIDED BY OWNER. ARRANGEMENT FOR REFERENCE ONLY.
- 22.03 PLUMBING FIXTURES, ACCESSORIES, AND FINISHES TO BE INSTALLED. REFER TO INTERIOR ELEVATIONS AND PME DRAWINGS.

**D2 LEVEL 00 - ENLARGED RR PLAN**  
A400 SCALE: 3/8" = 1'-0"

**D1 LEVEL 00 - ENLARGED MEETING AND RR PLAN**  
A400 SCALE: 3/8" = 1'-0"



**A5 LEVEL 01 OFFICES - ENLARGED PLAN**  
A400 SCALE: 3/8" = 1'-0"



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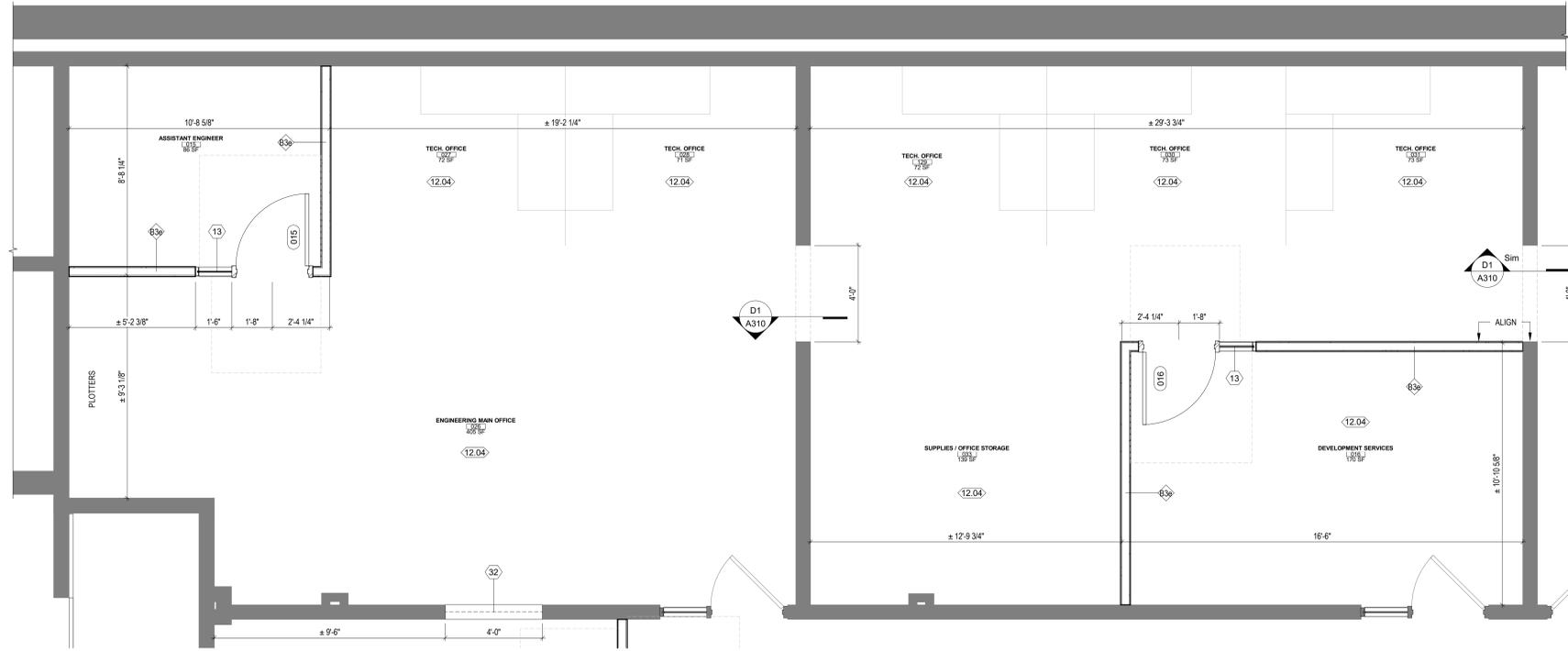
ARCHITECT OF RECORD  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026

**A400**  
ENLARGED PLANS

MKC PROJECT: 24-011A

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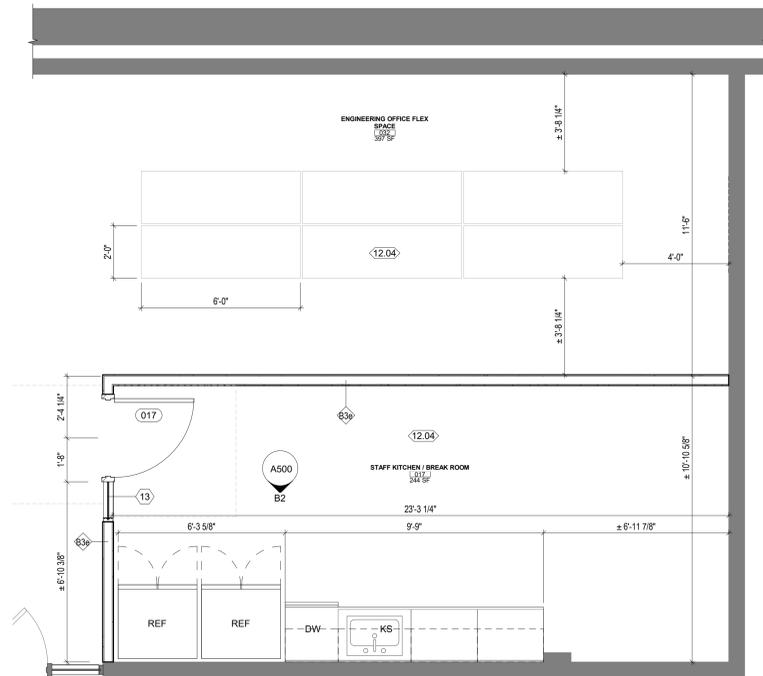
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- B. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
- C. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0\"/>
- D. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES (OR WOOD BLOCKING) ACCURATELY POSITIONED AND FIRMLY SECURED TO STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
- E. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES (AND ROOF) INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
- F. AT SOUND-RATED PARTITION WALLS, PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
  - 1. AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
  - 2. SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

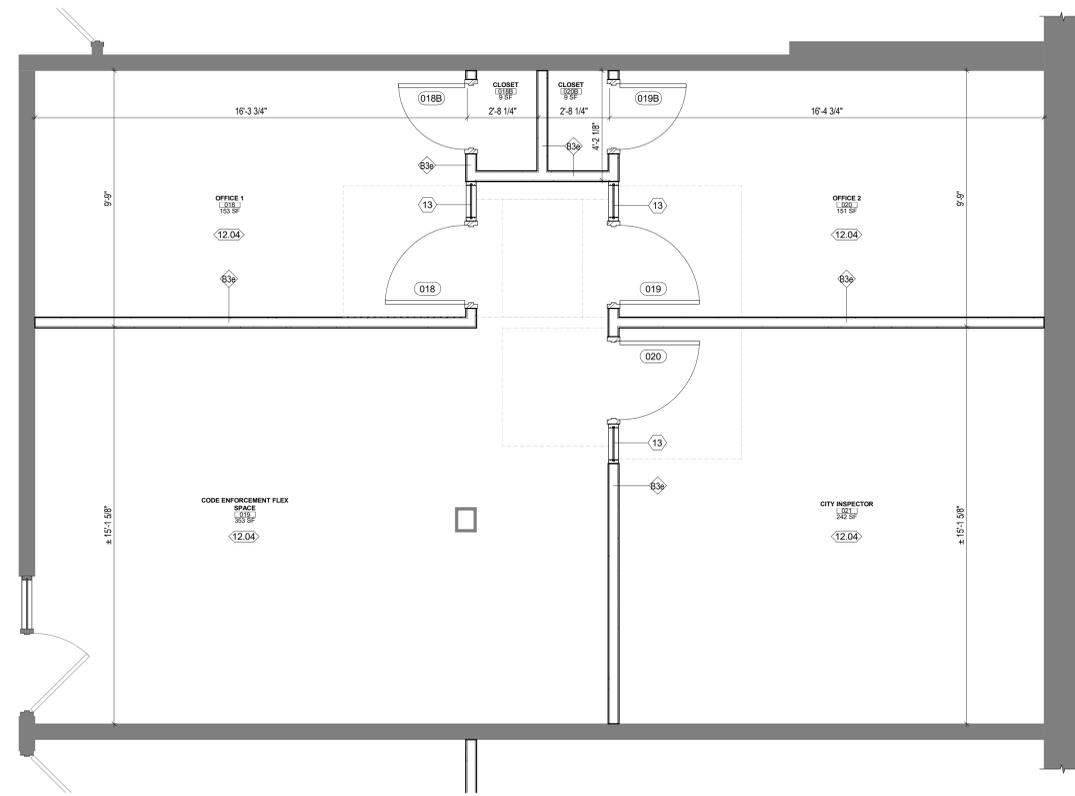
**KEYNOTES**

- 12.04 OFFICE FURNITURE TO BE PROVIDED BY OWNER. ARRANGEMENT FOR REFERENCE ONLY.

**C5 LEVEL 00 - ENLARGED ENGINEERING DEPARTMENT**  
A401 SCALE: 3/8\"/>



**A5 LEVEL 00 - ENLARGED STAFF KITCHEN / BREAKROOM**  
A401 SCALE: 3/8\"/>



**A3 LEVEL 00 OFFICES - ENLARGED PLAN**  
A401 SCALE: 3/8\"/>



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**Mt. Vernon Municipal Center / COTC Renovation**

**City of Mount Vernon**

236 S Main St, Mt Vernon, OH 43050



ARCHITECT OF RECORD  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026

**A401**

ENLARGED PLANS

MKC PROJECT: 24-011A

RESTROOM ACCESSORY SCHEDULE		
	MOUNTING HEIGHT	MODEL
A	GRAB BAR - 42"	34" TO CENTERLINE BOBRICK, B-5806.99x48
B	GRAB BAR - 36"	34" TO CENTERLINE BOBRICK, B-5806.99x36
C	GRAB BAR - 18"	34" TO CENTERLINE BOBRICK, B-5806.99x18
D	TOILET SEAT COVER DISPENSER	48" TO TOP BOBRICK, B-4221
E	TOILET TISSUE DISPENSER	18" TO BOTTOM BOBRICK, B-4288
F	SURFACE MOUNT HAND DRYER	40" TO BOTTOM BOBRICK, B-7128
G	MIRROR	40" TO BOTTOM BOBRICK, B-2906
H	SANITARY DISPOSAL	18" TO BOTTOM BOBRICK, B-270
J	CHANGING TABLE	27" TO BOTTOM KOALA KARE; KB310-SSWM
K	SOAP DISPENSER	40" TO BOTTOM BOBRICK, B-4112

**KEYNOTES**

09.10 DARK GRAY SOLID-SURFACE COUNTERTOP; MSI SURFACES SOAPSTONE METROPOLIS

22.04 31" SINGLE-BOWL KITCHEN SINK; JUST MANUFACTURING SL2131A-J, LUSTROUS SATIN; PULL-DOWN SINK FAUCET; KOHLER CRUE K-22972-VS, VIBRANT STAINLESS.



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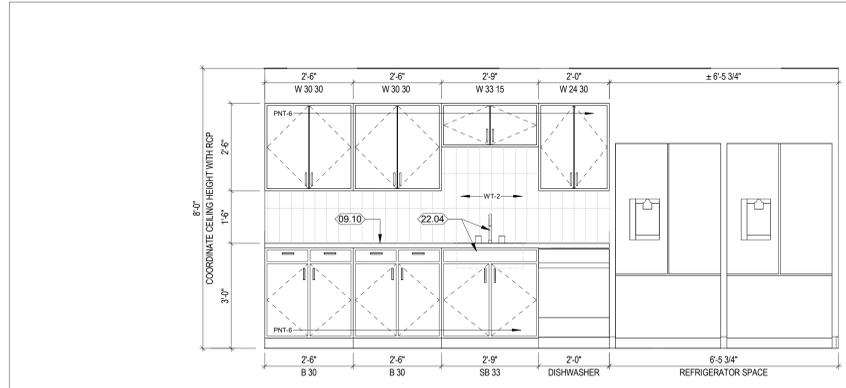
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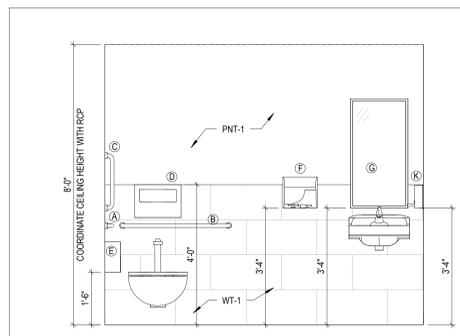
**A500**

INTERIOR ELEVATIONS

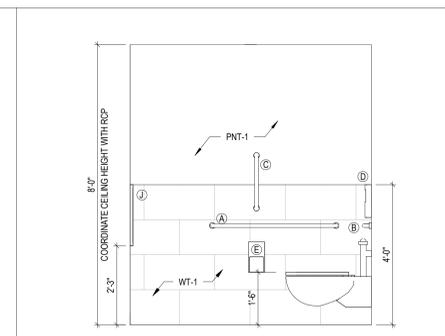
MKC PROJECT: 24-011A



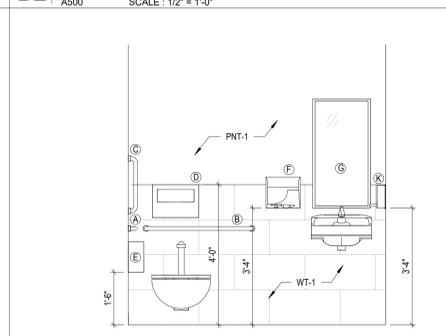
**B2 STAFF KITCHEN / BREAKROOM ELEVATION**  
A500 SCALE: 1/2" = 1'-0"



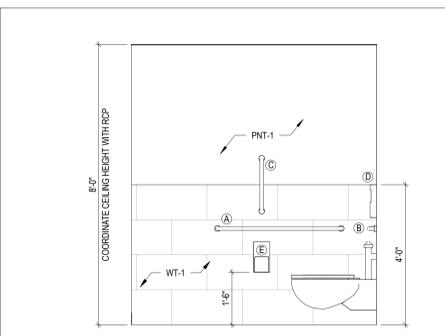
**A4 ROOM #014 RESTROOM ELEVATION - A**  
A500 SCALE: 1/2" = 1'-0"



**A3 ROOM #014 RESTROOM ELEVATION - B**  
A500 SCALE: 1/2" = 1'-0"



**A2 ROOM #010 RESTROOM ELEVATION - A**  
A500 SCALE: 1/2" = 1'-0"



**A1 ROOM #010 RESTROOM ELEVATION - B**  
A500 SCALE: 1/2" = 1'-0"



**GENERAL NOTES - FINISH PLAN**

- A. ALL GYP BD WALLS TO RECEIVE P-X, UNLESS NOTED OTHERWISE.
- B. ALL MISC. ACCESS PANELS, GRILLS, DIFFUSERS TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
- C. ALL FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR, UNO. REFER TO RCP FOR CEILING FINISHES AND HEIGHTS. ALL GYP BOARD CEILINGS TO BE PAINTED P-X UNO.
- D. CENTER CARPET TILE AND RESILIENT FLOOR TILE ABOUT ROOM AXES LEAVING EQUAL BORDER UNITS, UNLESS OTHERWISE INDICATED ON DRAWINGS. ADJUST SO THAT PERIMETER TILES ARE NOT LESS THAN ONE-HALF OF TILE WIDTH. DO NOT CUT FIELD TILES.
- E. INSTALL CARPET AND RESILIENT FLOOR TILE PATTERNS PARALLEL TO WALLS AND BORDERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
- F. PROVIDE FLOOR TRANSITIONS AND CHANGES IN LEVEL COMPLYING WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.
- G. PROTECT NEW WORK AND EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION PERIOD.

**INTERIOR FINISHES LEGEND:**

- CARPET TILE FLOORING [CPT-#] [AS INDICATED ON PLANS]
- PORCELAIN TILE [T-#] [AS INDICATED ON PLANS]
- LUXURY VINYL TILE [LVT-#] [AS INDICATED ON PLANS]

**WALLS:**

- [PNT-#] PAINT, FIELD COLOR [PNT-#] SEE FINISH SCHEDULE

**ROOM NAME**

- |     |   |                  |
|-----|---|------------------|
| #   |   |                  |
| X-X | • | WALL FINISH      |
| X-X | • | WALL BASE FINISH |
| X-X | • | FLOOR FINISH     |

**KEYNOTES**

- 02.17 REMOVE FINISH FLOORING AND PAST ADHESIVES DOWN TO SUBFLOOR TO PREPARE FOR POLISHED CONCRETE FINISH.



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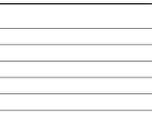
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**A800**

LEVEL 00 FINISH PLAN

MKC PROJECT: 24-011A

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**GENERAL NOTES - FINISH PLAN**

- A. ALL GYP BD WALLS TO RECEIVE P-X, UNLESS NOTED OTHERWISE.
- B. ALL MISC. ACCESS PANELS, GRILLS, DIFFUSERS TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
- C. ALL FLOORING TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR, UNO.
- D. REFER TO RCP FOR CEILING FINISHES AND HEIGHTS. ALL GYP BOARD CEILINGS TO BE PAINTED P-X UNO.
- E. CENTER CARPET TILE AND RESILIENT FLOOR TILE ABOUT ROOM AXES LEAVING EQUAL BORDER UNITS, UNLESS OTHERWISE INDICATED ON DRAWINGS. ADJUST SO THAT PERIMETER TILES ARE NOT LESS THAN ONE-HALF OF TILE WIDTH. DO NOT CUT FIELD TILES.
- F. INSTALL CARPET AND RESILIENT FLOOR TILE PATTERNS PARALLEL TO WALLS AND BORDERS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
- G. PROVIDE FLOOR TRANSITIONS AND CHANGES IN LEVEL COMPLYING WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.
- H. PROTECT NEW WORK AND EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION PERIOD.

**INTERIOR FINISHES LEGEND:**

- CARPET TILE FLOORING [CPT-#] [AS INDICATED ON PLANS]
- PORCELAIN TILE [T-#] [AS INDICATED ON PLANS]
- LUXURY VINYL TILE [LVT-#] [AS INDICATED ON PLANS]

**WALLS:**  
[PNT-#] PAINT, FIELD COLOR [PNT-#] SEE FINISH SCHEDULE

**ROOM NAME**  
[#]  
 X-X • WALL FINISH  
 X-X • WALL BASE FINISH  
 X-X • FLOOR FINISH

**KEYNOTES**

- 02.18 REMOVE EXISTING CARPET TILE AND SUPPLEMENT DESIGNATED AREA FOR NEW LAY-IN CARPET TILE. REFER TO FINISH SCHEDULE.



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**A801**

LEVEL 01 FINISH PLAN

MKC PROJECT: 24-011A

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**A5 LEVEL 01 FINISH FLOOR PLAN**

A801 SCALE: 3/16" = 1'-0"



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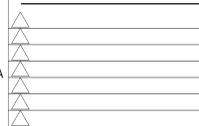
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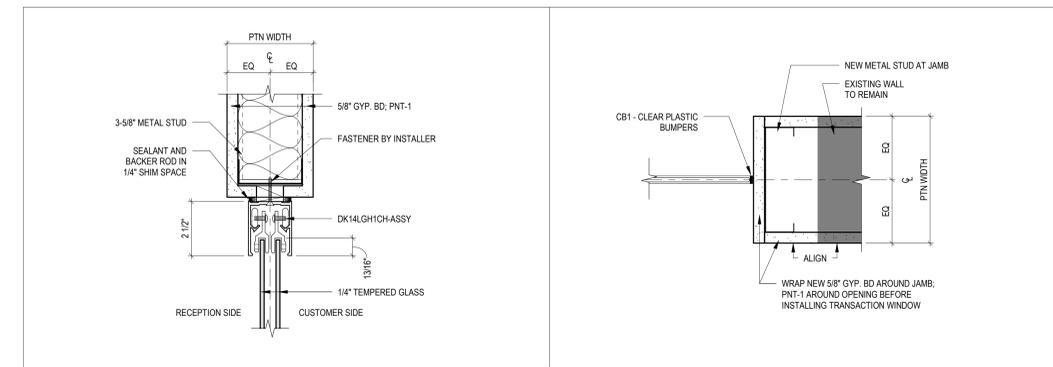
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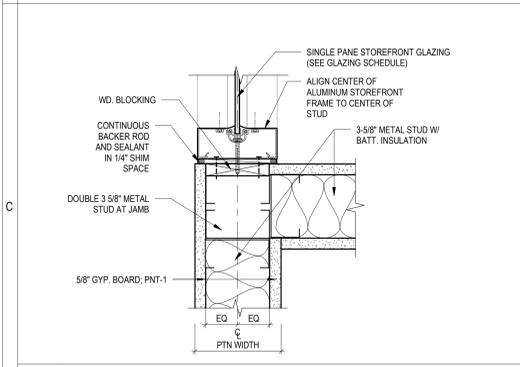
**A900**  
STOREFRONT & DOOR FRAME  
DETAILS

MKC PROJECT: 24-011A

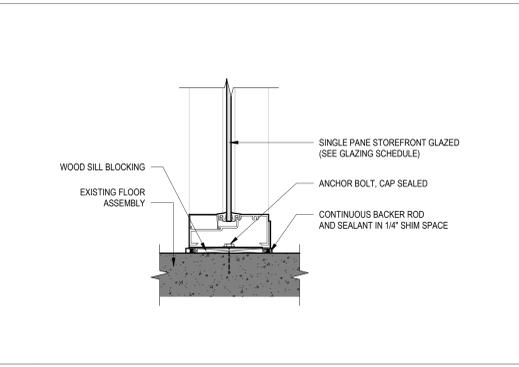


**D2** TRANSACTION WINDOW HEADER DETAIL  
A900 SCALE: 3" = 1'-0"

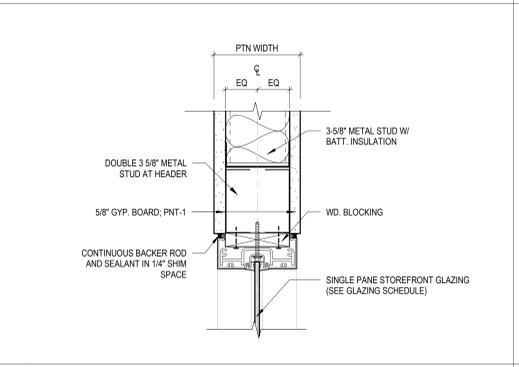
**D1** TRANSACTION WINDOW JAMB DETAIL  
A900 SCALE: 3" = 1'-0"



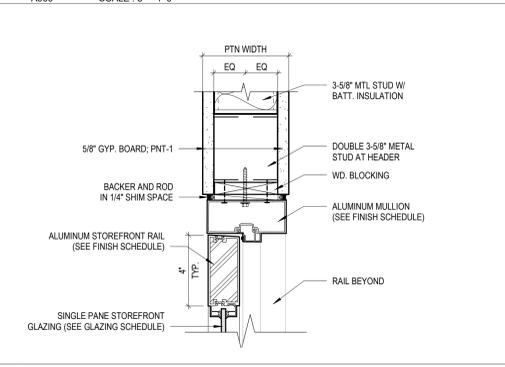
**C5** INTERIOR STOREFRONT WALL JAMB DETAIL  
A900 SCALE: 3" = 1'-0"



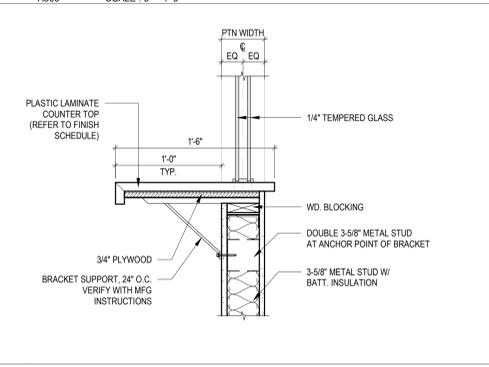
**C4** INTERIOR STOREFRONT FLOOR SILL DETAIL  
A900 SCALE: 3" = 1'-0"



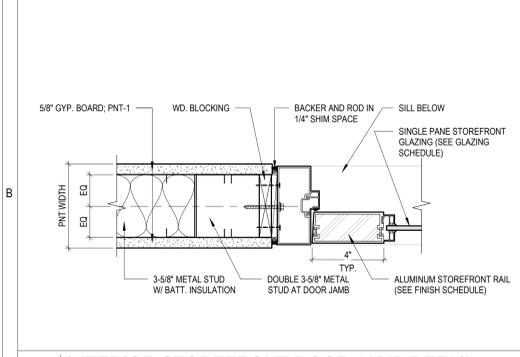
**C3** INTERIOR STOREFRONT HEADER DETAIL  
A900 SCALE: 3" = 1'-0"



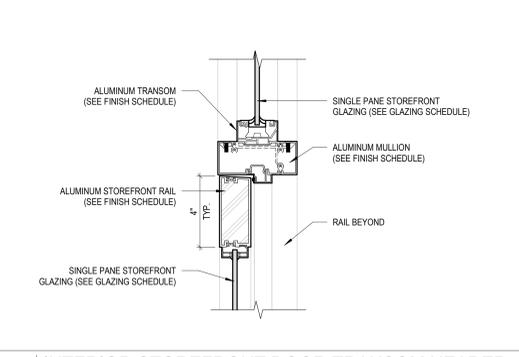
**C2** INTERIOR STOREFRONT DOOR HEADER  
A900 SCALE: 3" = 1'-0"



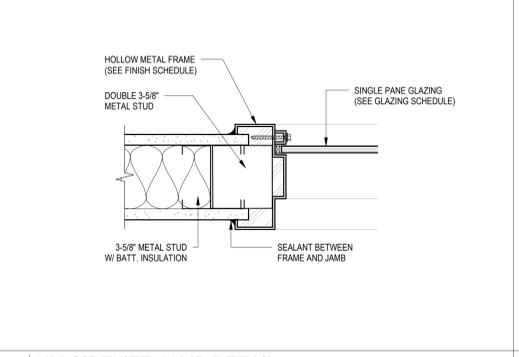
**C1** TRANSACTION WINDOW SILL DETAIL  
A900 SCALE: 1 1/2" = 1'-0"



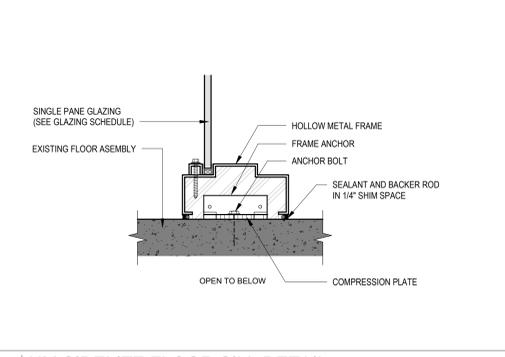
**B5** INTERIOR STOREFRONT DOOR JAMB DETAIL  
A900 SCALE: 3" = 1'-0"



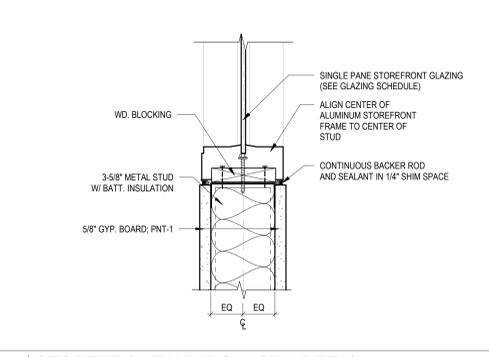
**B4** INTERIOR STOREFRONT DOOR TRANSOM HEADER  
A900 SCALE: 3" = 1'-0"



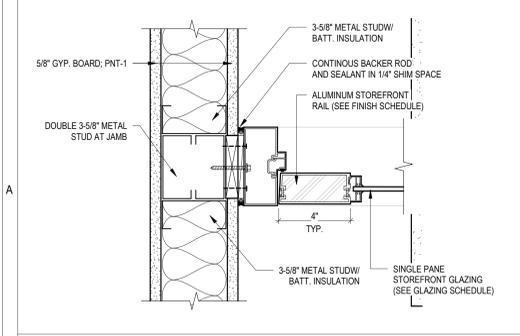
**B3** HM SIDELITE JAMB DETAIL  
A900 SCALE: 3" = 1'-0"



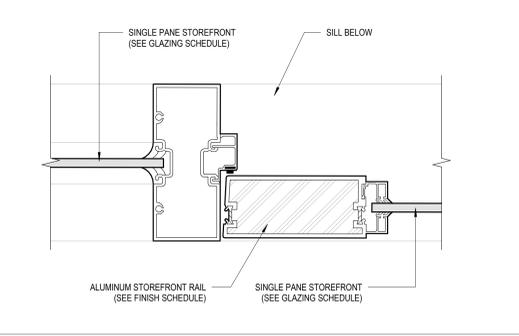
**B2** HM SIDELITE FLOOR SILL DETAIL  
A900 SCALE: 3" = 1'-0"



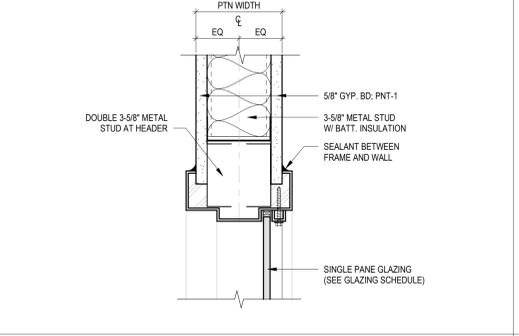
**B1** STOREFRONT WINDOW SILL DETAIL  
A900 SCALE: 3" = 1'-0"



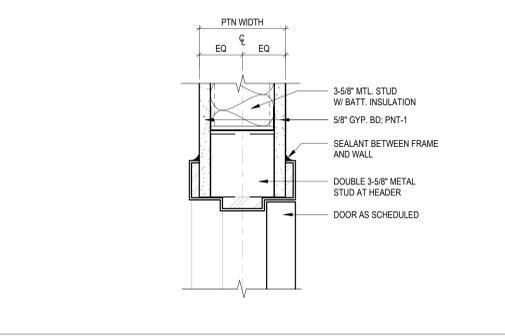
**A5** INTERIOR STOREFRONT DOOR JAMB DETAIL  
A900 SCALE: 3" = 1'-0"



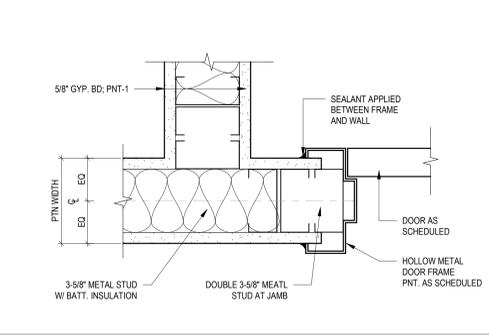
**A4** INTERIOR STOREFRONT DOOR JAMB  
A900 SCALE: 6" = 1'-0"



**A3** HM SIDELITE HEADER DETAIL  
A900 SCALE: 3" = 1'-0"



**A2** HM DOOR HEADER DETAIL  
A900 SCALE: 3" = 1'-0"



**A1** HM DOOR JAMB DETAIL  
A900 SCALE: 3" = 1'-0"

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DOOR AND FRAME SCHEDULE														
DOOR NUMBER	ROOM NAME	WIDTH	HEIGHT	DOOR				FRAME		HEAD DETAIL	JAMB DETAIL	FIRE RATING	HARDWARE	NOTES
				TYPE	MATERIAL	FINISH	GLAZING	TYPE	FINISH					
010	RESTROOM	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
010B	PLUMBING CLOSET	4'-0"	7'-0"	FD	HM	MATCH EXIST.	N/A	12	HM	MATCH EXIST.	A2/A900	A1/A900		
011	MEETING ROOM	3'-0"	7'-0"	FG	AL	MATCH EXIST.	GL-1	43	AL	MATCH EXIST.	C2/A900	B5/A900		
012	RESTROOM	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
013	RESTROOM	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
014	PLUMBING CLOSET	2'-6"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
015	ASSISTANT ENGINEER	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
016	DEVELOPMENT SERVICES	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
017	STAFF KITCHEN / BREAK ROOM	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
018	OFFICE 1	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
018B	CLOSET	2'-6"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
019	OFFICE 2	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
019B	CLOSET	2'-6"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
020	CITY INSPECTOR	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
021	ENGINEERING FILE ROOM	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
022	LOUNGE	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
110	TAX WAITING LOUNGE	3'-0"	7'-0"	FG	AL	MATCH EXIST.	GL-1	42	AL	MATCH EXIST.	B4/A900	A4/A900		
111	TAX RECEPTION	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
112A	TAX FLEX SPACE	3'-0"	7'-0"	FG	AL	MATCH EXIST.	GL-1	41	AL	MATCH EXIST.	C2/A900	B5/A900		
112B	TAX FLEX SPACE	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
113	TAX STORAGE	3'-0"	7'-0"	F	HM	MATCH EXIST.	N/A	11	HM	MATCH EXIST.	A2/A900	A1/A900		
114	AUDITOR'S FLEX SPACE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
115	OFFICE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
116	OFFICE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
117	OFFICE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
118A	UTILITIES FLEX SPACE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		SALVAGED
119	OFFICE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
120	OFFICE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		
121	AUDITOR'S FLEX SPACE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	13	HM	MATCH EXIST.	A2/A900	A1/A900		SALVAGED
125	LOUNGE	3'-0"	7'-0"	FV	HM	MATCH EXIST.	GL-1	11	HM	MATCH EXIST.	A2/A900	A1/A900		

NOTE: FIRE RATINGS, ACCESS CONTROL REQUIREMENTS, HARDWARE SETS, AND DOOR SALVAGE LOCATIONS SHALL BE PROVIDED BY OWNER'S CONSULTANTS. CONTRACTOR SHALL COORDINATE ACCORDINGLY.

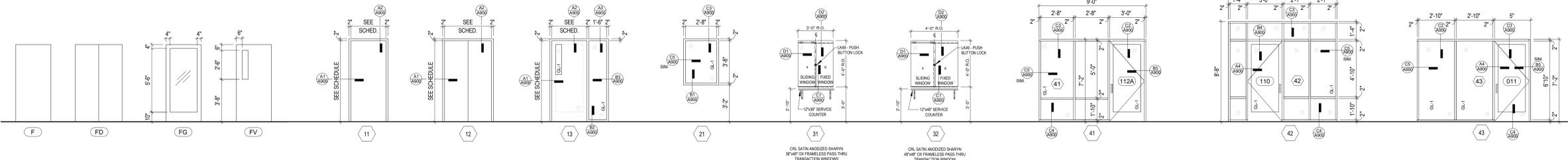
INTERIOR FINISH LEGEND								
CATEGORY	FINISH CODE	SPEC	DESCRIPTION	LOCATION	MANUFACTURER	STYLE	COLOR / PATTERN	COMMENTS
BASE	TB-1		SETT PORCELAIN TILE	BATHROOMS	SHAW CONTRACT	4" PORCELAIN TILE BASE	00100 ARTIC	INSTALL 4" PORCELAIN TILE BASE FOR WALL BASE ON NON-WET WALLS
BASE	WB-1		WOOD BASE	SEE FINISH PLANS	-	4" WOOD BASE	SW 7069 IRON ORE	
FLOORING	CPT-1		CROSS WEAVE TILE	SEE FINISH PLANS	SHAW CONTRACT	5T526; 18" X 36" CARPET TILE	25111 MAIZ	
FLOORING	CPT-2		COLOR FRAME TILE	SEE FINISH PLANS	SHAW CONTRACT	5T081; 24" X 24" CARPET TILE	81500 PARADOX	
FLOORING	LVT-1		COMPOUND AND CAST LVT	SEE FINISH PLANS	SHAW CONTRACT	COMPUND AND CAST 24" X 24" LVT	77100 PRIMER	
FLOORING	T-1		SETT PORCELAIN TILE	BATHROOMS	SHAW CONTRACT	SETT 12" X 24" MATTE	00100 ARTIC	GROUT W/ SHAW SILVER 00030
PAINT	PNT-1		INTERIOR PAINT	WALLS	SHERWIN WILLIAMS	ACRYLIC LATEX INTERIOR PAINT	SW 7005 PURE WHITE	SATIN SHEEN
PAINT	PNT-2		INTERIOR PAINT	CEILING	SHERWIN WILLIAMS	ACRYLIC LATEX INTERIOR PAINT	SW 7757 HIGH REFLECTIVE WHITE	FLAT SHEEN
PAINT	PNT-3		INTERIOR PAINT	WALL BASE	SHERWIN WILLIAMS	ACRYLIC LATEX INTERIOR PAINT	SW 7069 IRON ORE	SATIN SHEEN
PAINT	PNT-4		INTERIOR PAINT	ACCENT WALL 1	SHERWIN WILLIAMS	ACRYLIC LATEX INTERIOR PAINT	SW 7501 THRESHOLD TAUPE	SATIN SHEEN
PAINT	PNT-5		INTERIOR PAINT	ACCENT WALL 2	MATCH EXISTING	ACRYLIC LATEX INTERIOR PAINT	MATCH EXIST CREAM WALL / SOFFIT PAINT	MATCH EXISTING
PAINT	PNT-6		INTERIOR PAINT	MILLWORK	SHERWIN WILLIAMS	ACRYLIC LATEX INTERIOR PAINT	SW 7551 GREEK VILLA	SATIN SHEEN
WALL	WT-1		SETT PORCELAIN TILE	WALLS	SHAW CONTRACT	12" X 24" PORCELAIN TILE	00100 ARTIC	GROUT W/ SHAW SILVER 00030
WALL	WT-2		POLISHED CERAMIC WALL TILE	KITCHEN BACKSPLASH	TILEBAR	4" X 12" POLISHED CERAMIC SUBWAY WALL TILE	BASIC WHITE	GROUT W/ SHAW SILVER 00030 / SEE INTERIOR ELEVATOR FOR INSTALL PATTERN

GLAZING SCHEDULE	
GLAZING CODE	ASSEMBLY TYPE
GL-1	1/4" TEMPERED GLASS (SINGLE PANED)
GL-2	NOT USED
GL-3	NOT USED

RESTROOM ACCESSORY SCHEDULE		
	MOUNTING HEIGHT	MODEL
A GRAB BAR - 42"	34" TO CENTERLINE	BOBRICK; B-5806 99x48
B GRAB BAR - 36"	34" TO CENTERLINE	BOBRICK; B-5806 99x36
C GRAB BAR - 18"	34" TO CENTERLINE	BOBRICK; B-5806 99x18
D TOILET SEAT COVER DISPENSER	48" TO TOP	BOBRICK; B-4221
E TOILET TISSUE DISPENSER	18" TO BOTTOM	BOBRICK; B-4288
F SURFACE MOUNT HAND DRYER	40" TO BOTTOM	BOBRICK; B-7128
G MIRROR	40" TO BOTTOM	BOBRICK; B-2906
H SANITARY DISPOSAL	18" TO BOTTOM	BOBRICK; B-270
J CHANGING TABLE	27" TO BOTTOM	KOALA KARE; KB310-SSWM
K SOAP DISPENSER	40" TO BOTTOM	BOBRICK; B-4112

**DOOR TYPES**

**FRAME TYPES**



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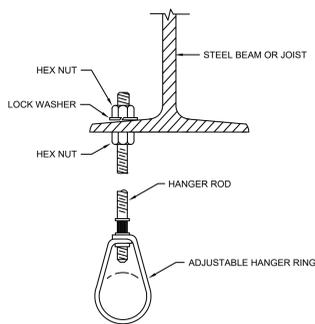
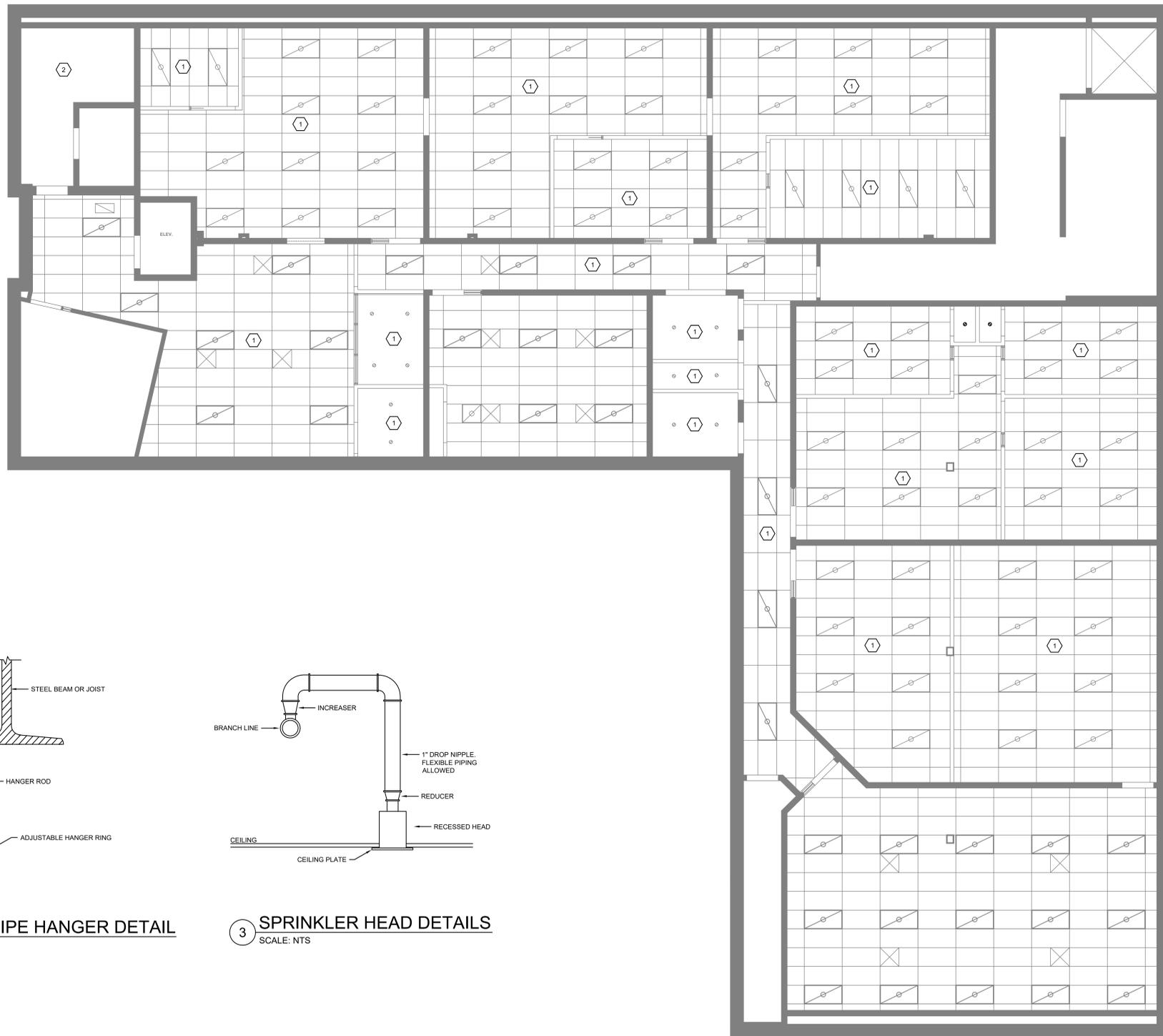
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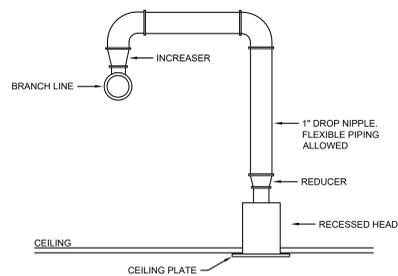
ARCHITECT OF RECORD  
MATTHEW T. TEISMANN - 1616826  
EXPIRATION DATE: 12-31-2026

SUBMITTED: 02.16.2026

**A901**  
SCHEDULES, DOOR TYPES, & FRAME ELEVATIONS  
MKC PROJECT: 24-011A



**2 BEAM / JOIST PIPE HANGER DETAIL**  
SCALE: NTS



**3 SPRINKLER HEAD DETAILS**  
SCALE: NTS

**1 LEVEL 00 FIRE PROTECTION PLAN**  
SCALE: 3/16" = 1'-0"

- CODED NOTES**
- REWORK EXISTING WET FIRE SUPPRESSION SYSTEM TO ACCOMMODATE NEW ROOM LAYOUT.
  - EXISTING FIRE SUPPRESSION SERVICE ENTRY AND RISER IN THIS ROOM.
- FIRE SUPPRESSION GENERAL NOTES**
- ALL FIRE PROTECTION WORK IS TO COMPLY WITH THE APPLICABLE NFPA STANDARDS, ALL STATE AND LOCAL CODES, AND THE LOCAL FIRE DEPARTMENT REQUIREMENTS.
  - THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE HYDRAULIC CALCULATIONS AND SHALL PROVIDE STAMPED SPRINKLER PLANS FOR PERMIT.
  - THE FIRE PROTECTION DRAWINGS ARE SCHEMATIC IN NATURE. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND LOCATING SPRINKLER MAINS, BRANCHES AND HEADS.
  - PROVIDE AIR VENTS, DRAIN VALVES AND PIPING TO ALLOW COMPLETE DRAINAGE OF THE FIRE PROTECTION SYSTEM.
  - THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE WORK WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ROOM FINISH SCHEDULES, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS AND ELECTRICAL DRAWINGS.
  - SPRINKLER HEADS IN ROOMS WITH DRYWALL AND LAY-IN CEILINGS SHALL BE CONCEALED TYPE, WHITE FINISH. SPRINKLER HEADS IN ROOMS WITHOUT CEILINGS EXPOSED TO ROOF DECK SHALL BE UPRIGHT TYPE. SPRINKLER HEADS SHALL BE INSTALLED CENTERED IN 2 FT DIMENSIONS OF CEILING TILES.
  - THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED PER NFPA 13.
  - HAZARD CLASSIFICATIONS:
    - LIGHT HAZARD:
      - OFFICES, COMMON AREAS.
      - WET PIPE DENSITY = 0.10 GPM PER SQUARE FOOT. MAXIMUM AREA OF SPRINKLER DEMAND IS 1500 SQUARE FEET. MAXIMUM OF 225 SQUARE FOOT SPRINKLER SPACING.
      - ORDINARY TEMPERATURE HEADS, 165°F, 100 GPM HOSE DEMAND.
    - ORDINARY HAZARD:
      - MECHANICAL ROOMS, ELECTRICAL ROOMS, STORAGE ROOMS.
      - WET PIPE DENSITY = 0.15 GPM PER SQUARE FOOT. MAXIMUM AREA OF SPRINKLER DEMAND IS 1500 SQUARE FEET. MAXIMUM OF 130 SQUARE FOOT SPRINKLER SPACING.
  - SPRINKLER PIPING SHALL BE SCHEDULE 40 THREADED STEEL FOR PIPE SIZES 2" AND SMALLER. SPRINKLER PIPING SHALL BE SCHEDULE 10 GROOVED-END STEEL FOR PIPE SIZES 2-1/2" AND LARGER.



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SUBMITTED: 02.16.2026



**FP101**  
LEVEL 00 FIRE PROTECTION PLAN  
MKC PROJECT: 24-011A

**CODED NOTES**  
1. REWORK EXISTING WET FIRE SUPPRESSION SYSTEM TO ACCOMMODATE NEW ROOM LAYOUT.



**1 LEVEL 01 FIRE PROTECTION PLAN**  
SCALE: 3/16" = 1'-0"



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**FP102**

LEVEL 01 FIRE PROTECTION PLAN

MKC PROJECT: 24-011A

PLUMBING SPECIFICATIONS

220000 - BASIC PLUMBING REQUIREMENTS

A. GENERAL NOTES

1. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW ALL DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTORS RESPONSIBILITY TO PROVIDE THEIR SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.
2. THIS CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS WORK TO COMPLY WITH THE SCHEDULE AND THE PROJECT COMPLETION DATE.

B. GENERAL REQUIREMENTS

1. THIS CONTRACTOR SHALL PROVIDE ALL INSURANCE, LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE PLUMBING SYSTEM AS INTENDED ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE CONSTRUCTION MANAGER AS REQUIRED.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.
3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.
4. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT. MAINTAIN ALL REQUIRED NEC SERVICE CLEARANCES AND DO NOT ROUTE PIPES ABOVE ELECTRIC PANELS.
5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER INCORPORATING GOOD ENGINEERING PRACTICES.
6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
7. ALL MATERIAL INSTALLED IN PLENUM CEILINGS SHALL BE PLENUM RATED INCLUDING BUT NOT LIMITED TO: PIPING, INSULATION.

C. CODES

1. ALL WORK SHALL CONFORM TO ALL STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED TO THE CONTRACTOR.

D. LICENSES, PERMITS, INSPECTIONS & FEES

1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO THEIR WORK. IF PERMITS ARE PROVIDED BY THE OWNER, DO NOT INCLUDE IN BID.
2. FURNISH TO THE CONSTRUCTION MANAGER OR BUILDING OWNER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

E. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY THE ENGINEER PRIOR TO THE SHOP DRAWING SUBMITTAL PROCESS, FOR ACCEPTANCE. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL SUBMIT SUBSTITUTION REQUESTS TO THE ENGINEER FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW SEVEN (7) WORKING DAYS FOR THE ENGINEER'S REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP OF THE CONTRACTOR AND THE SUB-CONTRACTOR SHOWING THAT HE HAS REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.
3. REQUIRED SUBMITTAL ITEMS
  - 3.1. EQUIPMENT AND FIXTURES.
  - 3.2. WATER AND SANITARY PIPING.
  - 3.3. INSULATION.
  - 3.4. HANGERS AND SUPPORTS.

F. GUARANTEE

1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER THEIR CONTRACT AND SHALL MAKE GOOD, REPAIR OR REPLACE AT THEIR OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE (IN WRITING) OF THE INSTALLATION. EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.

G. RECORD DRAWINGS

1. THIS CONTRACTOR SHALL MAINTAIN ONE COPY OF DRAWINGS ON THE JOB SITE TO RECORD DEVIATIONS FROM CONTRACT DRAWINGS.
2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THE CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. RECORD DRAWINGS SHALL BE SUBMITTED TO THE OWNER.

H. DISCREPANCIES IN DOCUMENTS

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE PLUMBING SYSTEMS. WHERE DRAWINGS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE CONSTRUCTION MANAGER IN WRITING, PRIOR TO SUBMITTAL OF BID. THE CONSTRUCTION MANAGER IS RESPONSIBLE TO ADVISE THE ARCHITECT/ENGINEER, IN WRITING, OF DISCREPANCIES IN THE CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, THE ARCHITECT'S/ENGINEER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

I. SLEEVES

1. THIS CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR MUST COORDINATE ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.
2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, 3M FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATING.
3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE 22 U.S.G. GALVANIZED STEEL MINIMUM.

J. HANGERS

1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
2. HANGERS SHALL BE FASTENED TO BUILDING STRUCTURE OR CONCRETE, BUT NOT TO ADJACENT PIPING, DUCTWORK, CONDUIT, ETC. HANGING FROM DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO UPPER CHORD OF JOIST. WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT.
3. HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 6" LONG SPLIT CIRCLE SADDLE BETWEEN THE HANGER

AND THE PIPE INSULATION.

4. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DI-ELECTRICALLY SEPARATED.

END OF SECTION 220000 - BASIC PLUMBING REQUIREMENTS

GENERAL EXECUTION

- A. ALL MATERIAL INSTALLED IN PLENUM CEILINGS SHALL BE PLENUM RATED INCLUDING BUT NOT LIMITED TO: WIRING, DEVICES, DOMESTIC AND SANITARY PIPING.

220010 - PLUMBING

A. SCOPE OF WORK

1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL WORK FOR THE PLUMBING SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
    - 1.1. COMPLETE SANITARY PIPING SYSTEMS OF WASTE, DRAINS, AND VENTS.
    - 1.2. COMPLETE HOT WATER SUPPLY, HOT WATER RETURN, AND COLD WATER PIPING SYSTEMS, AS SHOWN, AND ALL APPURTENANCES AND INSULATION.
    - 1.3. FIXTURES AND EQUIPMENT AS SCHEDULED.
    - 1.4. TESTS AND ADJUSTMENTS.
  2. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE PLUMBING SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.
- B. EQUIPMENT AND INSTALLATION
1. REFER TO PLANS FOR SCHEDULES OF EQUIPMENT AND FIXTURES. EQUALS ARE ALLOWED.
  2. SANITARY PIPING
    - 2.1. UNDER GROUND AND CONCEALED ABOVE GRADE WASTE, DRAIN AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH FUSED "GLUED" WELDED JOINTS.
    - 2.2. ABOVE GRADE EXPOSED WASTE, DRAIN AND VENT PIPING SHALL BE CAST IRON PIPE.
    - 2.3. WASTE, DRAIN AND VENT PIPING IN PLENUM CEILING SPACES SHALL BE CAST IRON PIPE.
    - 2.4. LABEL ALL ABOVE GRADE WASTE, DRAIN AND VENT PIPING. INDICATE DIRECTION OF FLOW ON WASTE AND DRAIN PIPING.
  3. POTABLE WATER PIPING SHALL BE AS FOLLOWS:
    - 3.1. DOMESTIC RATED COPPER TYPE "K" OR "L" WITH SOLDERED JOINTS, IN ACCORDANCE WITH OPC, CHAPTER 6, TABLE 606.4
    - 3.2. AT THIS CONTRACTORS OPTION: COPPER PIPING WITH PRO-PRESS SMART FITTINGS BY VIEGA CAN BE PROVIDED AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.
  4. PIPING OF DISSIMILAR METALS MUST BE DI-ELECTRICALLY SEPARATED.
  5. INSULATE ALL COLD WATER PIPING WITH A MINIMUM OF 1" THICK (K=0.23 @ 75 °F) PIPE INSULATION WITH AN ALL SERVICE JACKET TO MEET LOCAL CODES AND UL FLAME SPREAD AND SMOKE DEVELOPED RATINGS. THICKNESS SCHEDULE SHALL BE 1" FOR 2" PIPE & SMALLER AND 1 1/2" FOR 2 1/2" PIPE AND LARGER.
  6. PROVIDE WATER HAMMER ARRESTORS IN BRANCH LINES SERVING RESTROOM FLUSH VALVE FIXTURES.
  7. INSTALL ALL NECESSARY PIPE HANGERS, SADDLES, AND CARRIERS TO PROPERLY SUPPORT ALL PIPING AND FIXTURES. HANGERS SHALL SUIT TYPE OF PIPING PROVIDED AND BE SPACED AT A MAXIMUM SPAN AS REQUIRED BY STATE CODE. PROVIDE SWAY AND SERVIC BRACING WHERE REQUIRED BY CODES.
  8. INSULATE ALL HOT WATER SUPPLY AND RETURN PIPING WITH A MINIMUM 1" THICK (K=0.23 @ 75 °F) PIPE INSULATION WITH AN ALL SERVICE JACKET TO MEET LOCAL CODES AND UL FLAME SPREAD AND SMOKE DEVELOPED RATINGS. THICKNESS SCHEDULE SHALL BE 1" FOR 2" PIPE & SMALLER AND 1 1/2" FOR 2 1/2" PIPE AND LARGER.
  9. STERILIZE WATER SYSTEM IN ACCORDANCE WITH STATE AND LOCAL CODES.
  10. ESCUTCHEONS SHALL BE CHROME PLATED, SIZE AS REQUIRED AND PLACED AT ALL PIPE PENETRATIONS AT WALLS, FLOORS, AND CEILINGS IN FINISHED AREAS.
  11. LEAKAGE TESTS SHALL BE PER LOCAL CODES.
  12. FLASHING SHALL BE SEALED WATERTIGHT AND PERFORMED IN ACCORDANCE WITH THE ROOFING CONTRACTOR.

END OF SECTION 220010 - PLUMBING

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION
	CONNECT TO EXISTING

PLUMBING ABBREVIATIONS

SYMBOL	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
ETR	EXISTING TO REMAIN
SAN	SANITARY
V	VENT



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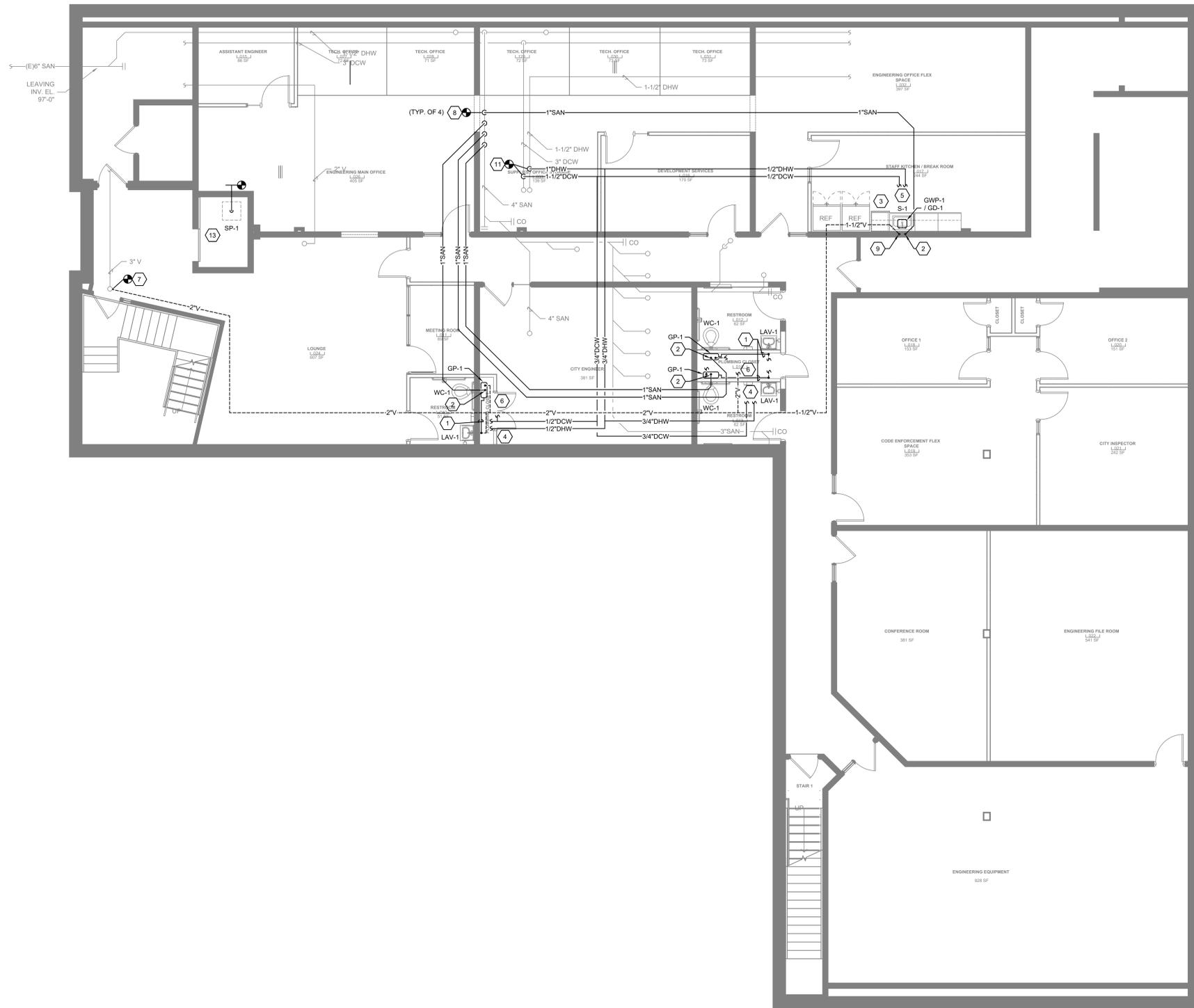
SUBMITTED: 02.16.2026



P001

PLUMBING SPECIFICATIONS,  
ABBREVIATIONS & SYMBOLS

MKC PROJECT: 24-011A



**1 LEVEL 00 PLUMBING PLAN**  
SCALE: 3/16" = 1'-0"

- | #   | CODED NOTES   |
|-----|---|
| 1.  | 1-1/2" SANITARY IN CHASE FROM LAV-1 TO GP-1.  |
| 2.  | ROUTE 1" PRESSURIZED SANITARY LINE UP IN CHASE TO EXISTING SANITARY LINE ABOVE CEILING.   |
| 3.  | ROUTE DISHWASHER INLET ON GARBAGE DISPOSAL THEN TO GWP-1.   |
| 4.  | EXTEND 3/4" DCW AND 3/4" DHW OVER TO CHASE ABOVE CEILING. ROUTE 1/2" DCW AND 1/2" DHW DOWN IN CHASE TO SERVE LAV-1 AND 1/2" DOWN IN CHASE TO SERVE WC-1.                    |
| 5.  | ROUTE 1/2" DCW AND 1/2" DHW TO SINK IN WALL. PROVIDE A HOT WATER CONNECTION W/ SHUTOFF VALVE FOR THE DISHWASHER.  |
| 6.  | ROUTE VENT DOWN IN CHASE TO SERVE FIXTURES INDICATED ON PLAN. REFER TO RISER DIAGRAM.   |
| 7.  | TIE INTO EXISTING 3" VENT MAIN ABOVE CEILING IN LOCATION INDICATED ON PLAN.   |
| 8.  | TIE INTO EXISTING 4" SANITARY MAIN ABOVE CEILING IN LOCATION INDICATED ON PLAN.   |
| 9.  | ROUTE 1-1/2" VENT DOWN IN WALL TO SERVE SINK AND DISHWASHER INDICATED ON PLAN.  |
| 10. | ROUTE 1" DCW AND 1" DHW DOWN IN WALL TO SERVE FIXTURES INDICATED ON PLAN.   |
| 11. | TIE INTO EXISTING 3" DCW AND 1-1/2" DHW MAIN ABOVE CEILING IN LOCATION INDICATED ON PLAN.   |
| 12. | TIE INTO EXISTING 3" VENT MAIN ABOVE CEILING IN LOCATION INDICATED ON PLAN.   |
| 13. | PROVIDE NEW ELEVATOR SLUMP PUMP IN EXISTING PIT. REMOVE EXISTING AND TURN OVER TO OWNER. CONNECT TO EXISTING DISCHARGE AND VENT PIPING. POWER FROM EXISTING GFI RECEPTACLE. |
- 
- | GENERAL NOTES  |
|--|
| 1. ALL NEW MATERIAL IN CEILING SPACE TO BE PLENUM RATED. SANITARY AND VENT LINES IN CEILING SPACE TO BE CAST IRON. |



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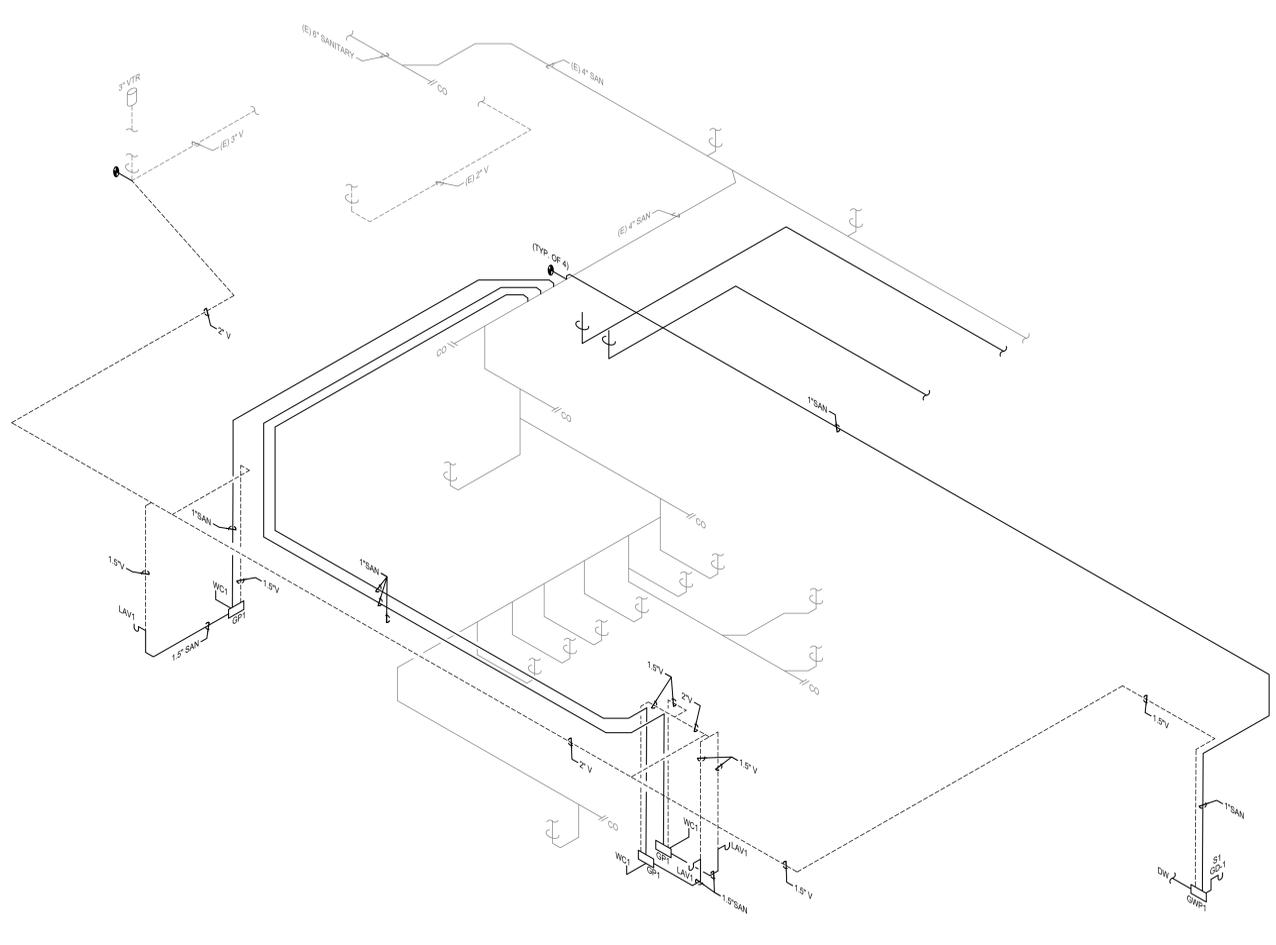
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**P101**

LEVEL 00 PLUMBING PLAN

MKC PROJECT: 24-011A



**1 SANITARY RISER DIAGRAM**  
SCALE: NTS

LABEL	DESCRIPTION	MFR. / MODEL / SPECS	PLUMBING					ELECTRICAL			REMARKS
			TRAP	VENT	DRAIN	DCW	DHW	POWER	VOLTS	PHASE	
GD-1	GARBAGE DISPOSAL	INSINKERATOR POWER 75HP	1-1/2"	-	1-1/2"	-	-	3/4 HP	120	1	PROVIDE WITH FACTORY CORD AND PLUG
GP-1	GRINDER PUMP	SANIFLO SANIBEST PRO, 1 HP MOTOR, GRINDER PUMP, 19 GPM @ 25' HD, MICRO SWITCH ACTIVATION, 28 LBS.	-	1-1/2"	1"	-	-	1,080	120	1	PROVIDE WITH SANIALARM HIGH WATER ALARM
GWP-1	GRAY WATER PUMP	SANIFLO SANISWIFT PRO, 0.3 HP MOTOR, 18 GPM @ 14' HD, PRESSURE SWITCH ACTIVATION, 16 LBS.	-	1-1/2"	1"	-	-	540	120	1	PROVIDE WITH SANIFLO EXTENSION PIPE AS NEEDED
SP-1	SUMP PUMP	ZOELLER 98, 50 GPM @ 14', INTEGRAL FLOAT, FACTORY CORD AND PLUG	-	1-1/2"	2"	-	-	1/2 HP	120	1	INSTALL IN EXISTING PIT

LABEL	DESCRIPTION	MFR. / MODEL / SPECS	TRAP	VENT	DRAIN	DCW	DHW	REMARKS
S-1	SINK	JUST, SL2131A3-J, DROP-IN, SINGLE BOWL, 304 STAINLESS STEEL, 18 GAUGE	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDE WITH GARBAGE DISPOSAL FLANGE, MOAN 8248 TWO-HANDLE CHROME FAUCET.
WC-1	WATER CLOSET	SANIFLOW, WHITE VITREOUS CHINA, ELONGATED, ADA HEIGHT, 1.28 GPF	-	-	3"	1/2"	-	PROVIDE WITH HEAVY DUTY OPEN FRONT SEAT



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**P601**  
PLUMBING DETAILS & SCHEDULES

MKC PROJECT: 24-011A

MECHANICAL SPECIFICATIONS

230000 - BASIC MECHANICAL REQUIREMENTS

A. GENERAL NOTES

1. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE THEIR SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.

2. THIS CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS WORK TO COMPLY WITH THE SCHEDULE AND THE PROJECT COMPLETION DATE.

B. GENERAL REQUIREMENTS

1. THIS CONTRACTOR SHALL PROVIDE ALL INSURANCE, LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE MECHANICAL SYSTEM AS INTENDED ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE CONSTRUCTION MANAGER AS REQUIRED.

2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, AND WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF CONTRACT.

3. WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS SPECIFICALLY NOTED OTHERWISE.

4. ALL MECHANICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT, INCLUDING NEC WORKING CLEARANCES.

5. ALL WORK SHALL BE PERFORMED IN A NEAT PROFESSIONAL MANNER INCORPORATING GOOD ENGINEERING PRACTICES.

6. UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW. UNLESS OTHERWISE LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.

7. ALL MATERIAL INSTALLED IN PLENUM CEILINGS SHALL BE PLENUM RATED INCLUDING BUT NOT LIMITED TO, DUCTWORK, INSULATION, CONDENSATE DRAINS, CONTROL WIRING.

C. CODES

1. ALL WORK SHALL CONFORM TO ALL STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED TO THE CONTRACTOR.

D. LICENSES, PERMITS, INSPECTIONS & FEES

1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS, AND FEES REQUIRED OR RELATED TO THEIR WORK. IF PERMITS ARE PROVIDED BY THE OWNER, DO NOT INCLUDE IN BID.

2. FURNISH TO THE CONSTRUCTION MANAGER OR BUILDING OWNER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

E. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY THE ENGINEER PRIOR TO THE SHOP DRAWING SUBMITTAL PROCESS. FOR ACCEPTANCE. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

2. CONTRACTOR SHALL SUBMIT SUBSTITUTION REQUESTS TO THE ENGINEER FOR APPROVAL. SUBMISSIONS SHALL BE MADE EARLY ENOUGH IN PROJECT TO ALLOW SEVEN (7) WORKING DAYS FOR THE ENGINEER'S REVIEW WITHOUT CAUSING DELAYS OR CONFLICTS TO THE JOB'S PROGRESS. SUBMITTALS SHALL BEAR THE STAMP OF THE CONTRACTOR AND THE SUB-CRITICAL SHOWING THAT THEY HAVE REVIEWED AND CONFIRMED THAT THE SUBMITTALS ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS OR INDICATE WHERE EXCEPTIONS HAVE BEEN TAKEN.

3. REQUIRED SUBMITTAL ITEMS

- 3.1. EQUIPMENT.
3.2. CONTROLS.
3.3. GRDs.
3.4. DUCTWORK.
3.5. INSULATION.
3.6. HANGERS AND SUPPORTS.

F. GUARANTEE

1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER THEIR CONTRACT AND SHALL MAKE GOOD, REPAIR OR REPLACE AT THEIR OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE (IN WRITING) OF THE INSTALLATION. EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.

G. RECORD DRAWINGS

1. THIS CONTRACTOR SHALL MAINTAIN ONE COPY OF DRAWINGS ON THE JOB SITE TO RECORD DEVIATIONS FROM CONTRACT DRAWINGS.

2. AT COMPLETION OF THE PROJECT AND BEFORE FINAL APPROVAL, THE CONTRACTOR SHALL MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. RECORD DRAWINGS SHALL BE SUBMITTED TO THE OWNER.

H. DISCREPANCIES IN DOCUMENTS

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE MECHANICAL SYSTEMS. WHERE DRAWINGS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE CONSTRUCTION MANAGER IN WRITING, PRIOR TO SUBMITTAL OF BID. THE CONSTRUCTION MANAGER IS RESPONSIBLE TO ADVISE THE ARCHITECT/ENGINEER, IN WRITING, OF DISCREPANCY IN THE CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, THE ARCHITECT'S/ENGINEER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

I. SLEEVES

1. THIS CONTRACTOR SHALL PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2" ABOVE THE FLOOR. CONTRACTOR MUST COORDINATE ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY FLOORS OR WALLS.

2. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND/OR FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, HILTI FIRE RATED SEALANTS OR EQUAL, SO AS TO RETAIN THEIR FIRE RATINGS. USE HILTI STANDARD INSTALLATION METHODS.

3. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS, AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE 22 U.S.G. GALVANIZED STEEL MINIMUM.

J. HANGERS

1. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, BANDS, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.

- 2. HANGERS SHALL BE FASTENED TO BUILDING STRUCTURE OR CONCRETE, BUT NOT TO PIPING. HANGING FROM DECK IS NOT PERMITTED. HANGERS MUST BE ATTACHED TO UPPER CHORD OF JOIST, WHERE INTERFERENCES OCCUR, AND IN ORDER TO SUPPORT DUCTWORK OR PIPING, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, AND OTHER EQUIPMENT.
3. HANGERS FOR ALL INSULATED PIPING SHALL BE SIZED AND INSTALLED FOR THE OUTER DIAMETER OF INSULATION. INSTALL 6" LONG SPLIT CIRCLE SADDLE BETWEEN THE HANGER AND THE PIPE INSULATION.
4. HANGERS AND PIPING OF DISSIMILAR METALS SHALL BE DI-ELECTRICALLY SEPARATED.

END OF SECTION 230000 - BASIC MECHANICAL REQUIREMENTS

GENERAL EXECUTION

A. ALL MATERIAL INSTALLED IN PLENUM CEILINGS SHALL BE PLENUM RATED.

MECHANICAL SPECIFICATIONS

230010 - HEATING, VENTING, AND AIR CONDITIONING

A. SCOPE OF WORK

1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- 1.1. HVAC UNITS, EQUIPMENT, AND APPURTENANCES.
1.2. DUCTWORK, FITTINGS, DAMPERS, INSULATION.
1.3. PIPING, FITTINGS AND INSULATION.
1.4. HANGERS AND STEEL FRAMING FOR SUPPORT.
1.5. THIRD PARTY TESTING, ADJUSTING, AND BALANCING.
1.6. CONTROLS.

2. BEFORE STARTING WORK, THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE HVAC SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.

B. HVAC EQUIPMENT

1. ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES, APPURTENANCES, AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.

2. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SEE DRAWINGS FOR ADDITIONAL DETAILS.

3. IF THE CONTRACT SELECTS EQUIPMENT THAT IS NOT BASIS OF DESIGN, THEY SHALL BE FULLY RESPONSIBLE FOR COORDINATING FIELD ADJUSTMENTS DUE TO VARYING DIMENSIONS, CLEARANCES, WEIGHTS, POWER REQUIREMENTS, ETC.

C. EQUIPMENT:

- 1. EXHAUST FANS SHALL BE GREENHECK OR COOK.
2. AIR DEVICES SHALL BE PRICE OR TITUS.
3. ELECTRIC HEATERS SHALL BE QMARK OR MARKEL.
4. VRF INDOOR UNITS SHALL BE TRANE / MITSUBISHI.

D. METAL DUCTWORK

1. NO DUCTWORK SHALL BE FABRICATED PRIOR TO JOB SITE VISIT AND APPROVAL BY THE CONSTRUCTION MANAGER. A SKETCH MUST BE SUBMITTED INDICATING SIGNIFICANT DEVIATIONS FROM DESIGN AND MUST BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION OR INSTALLATION.

2. EXCEPT AS OTHERWISE INDICATED, FABRICATE AND INSTALL RECTANGULAR, OVAL, AND ROUND DUCTWORK WITH GALVANIZED STEEL, IN ACCORDANCE WITH SMACNA "HAC DUCT CONSTRUCTION STANDARDS" OF THE LATEST EDITION WHERE OTHER CODES ARE ENFORCED, (IE. OMC, ETC.) USE THE MOST STRINGENT CODE FOR DUCT CONSTRUCTION STANDARDS.

3. EXCEPT WHERE OTHERWISE INDICATED, CONSTRUCT DUCT SYSTEMS TO THE FOLLOWING PRESSURE CLASSIFICATIONS WITH ALL SEAMS AND JOINTS TO SEALED: SUPPLY DUCTS: 2" W.G., POSITIVE; RETURN AND EXHAUST DUCTS: 2" W.G., NEGATIVE IN ACCORDANCE WITH THESE CONSTRUCTION AND SEALANT PRESSURE CLASSIFICATIONS. MAXIMUM DUCT AIR LEAKAGE WILL NOT EXCEED 3% AS REQUIRED FOR FINAL AIR BALANCE APPROVAL.

4. ROUND DUCTWORK SHALL BE LOCKSEAM CONSTRUCTION FOR ALL SIZES 8" DIAMETER AND LARGER. ROUND FITTINGS SHALL BE GALVANIZED STEEL WITH SPOT WELDED AND BONDED CONSTRUCTION. DUCTWORK SHALL BE AS MANUFACTURED BY UNITED MCGILL, SEMCO, OR APPROVED EQUAL.

5. AS A MINIMUM ON ALL RECTANGULAR, CROSS BREAK ALL FLAT SURFACES OR REINFORCE WITH A BEAD APPROXIMATELY 3/8" WIDE X 3/16" DEEP ON 12" CENTERS TO PREVENT VIBRATIONS, REGARDLESS OF DUCT GAUGE.

6. INSTALL SINGLE THICKNESS TURNING VANES IN ALL RIGHT ANGLE ELBOWS. LONG RADIUS ELBOWS MAY ALSO BE USED.

7. INSTALL RIGID ROUND AND RECTANGULAR METAL DUCT WITH SUPPORT SYSTEMS INDICATED IN SMACNA STANDARDS. SUPPORT HORIZONTAL DUCTS WITHIN 2 FEET OF EACH ELBOW AND WITHIN 4 FEET OF EACH BRANCH INTERSECTION USING DOUBLE STRAP HANGERS ON EACH SIDE OF FITTING. SUPPORT VERTICAL DUCTS AT A MAXIMUM INTERVAL OF 16 FEET AND AT EACH FLOOR. SUPPORT ALL DUCTED INDOOR VRF UNITS. INDEPENDENT FROM THE DUCTWORK, NO WOOD SHALL BE USED TO SUPPORT OR BRACE DUCTS.

8. WHERE DUCTS PASS THROUGH ROOFS, WALLS, AND FLOORS, PROVIDE AS A MINIMUM 20 GAUGE STEEL ANGLE FRAME AT EACH SIDE OF OPENING. THE ANNULAR SPACE BETWEEN DUCT AND ANGLE FRAMES SHALL BE CAULKED AIR AND WEATHER TIGHT WITH SILICONE SEALANT.

9. ALL JOINTS AND SEAMS SHALL BE SEALED WITH LIQUID SEALANT. JOINTS ALSO SHALL BE RIVETED OR CONNECTED WITH SHEET METAL SCREWS. LIQUID SEALANTS BY UNITED MCGILL CORP., DOW CORNING.

10. SOFT ELASTOMER BUTYL GASKET WITH ADHESIVE BACKING SHALL BE USED TO SEAL FLANGED JOINTS.

11. DUCT TRANSITIONS SHALL NOT EXCEED 30 DEGREES SLOPE EXCEPT AS SPECIFICALLY NOTED OTHERWISE.

12. PROVIDE ACCESS TO ALL BALANCE DAMPERS, CONTROLS, AND OTHER ITEMS IN DUCTWORK THAT REQUIRE SERVICE OR INSPECTION. IF THE ACCESS PANEL LOCATION IS EXPOSED IT MUST BE APPROVED BY THE ARCHITECT AND BUILDING OWNER PRIOR TO INSTALLATION. LAY-IN SUPPLY AND RETURN AIR DIFFUSERS, GRILLES AND REGISTERS WITH PLASTER FRAMES MAY BE USED AS ACCESS LOCATIONS WHEN WITHIN 3'-0" OF DEVICE.

13. ALL DUCTWORK SHALL BE INSTALLED WITH INSIDE CLEAR DIMENSIONS AS NOTED ON DRAWINGS. WHERE DUCTWORK SIZE IS LARGER THAN CONNECTED DEVICE (IE. DIFFUSER, REGISTER) SMOOTH DUCT TRANSITIONS ARE TO TAKE PLACE JUST PRIOR TO DEVICE CONNECTION.

14. WHERE DUCTS PASS THROUGH FIRE RATED WALLS PROVIDE UL RATED FIRE DAMPERS.

E. FLEXIBLE AIR DUCT

1. FLEXIBLE AIR DUCT SHALL BE 1" INSULATED CLASS 1 AND RATED FOR THE OPERATING PRESSURE OF THE SYSTEM. DUCT CONSTRUCTION MATERIAL (ALUMINUM) MUST ADHERE TO LOCAL CODES.

2. FLEXIBLE AIR DUCT SHALL BE ATTACHED PER LOCAL CODES.

3. FLEXIBLE DUCT SHALL NOT EXTEND OVER 5'-0" IN LENGTH AT ANY ONE LOCATION AND IS ONLY PERMITTED ON THE SUPPLY AIR DEVICES WHERE CONCEALED ABOVE A CEILING.

F. SUPPLY AIR TAKE-OFF FITTINGS

1. FURNISH AND INSTALL CONICAL OR "BELL-MOUTH" TAKE-OFFS FROM MAIN DUCTWORK TO ROUND BRANCHES. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

G. DAMPERS

- 1. FURNISH AND INSTALL MANUAL LOCKING QUADRANT VOLUME CONTROL DAMPERS WITH HANDLE OPERATORS TO FACILITATE AIR BALANCING.
2. OPERATING HANDLES ON ALL DAMPERS SHALL BE TAGGED WITH A MINIMUM 12" LONG ORANGE MARKER TAPE. COLLARS MUST BE INSTALLED OVER EXTERNAL INSULATION TO ALLOW FREE MOVEMENT.

H. DUCTWORK INSULATION

1. FURNISH AND INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES. INSULATION MUST COMPLY WITH NFPA 90A.

2. DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. ALL INTERIOR SUPPLY AIR RECTANGULAR DUCTWORK SHALL BE INSULATED WITH 1" THICK, 1-1/2 LB. DUCTWORK WRAP. ALL EXTERIOR SUPPLY AIR AND RETURN AIR RECTANGULAR DUCTWORK SHALL BE INSULATED WITH 2" THICK, 1-1/2 LB. DUCTWORK WRAP WITH WEATHER PROOF JACKETING. APPLY ADHESIVES AND MECHANICAL FASTENERS AS RECOMMENDED BY SMACNA OR THE MANUFACTURER RECOMMENDATIONS.

3. ALL INSULATION SHALL HAVE A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C 411, OR AS REQUIRED BY LOCAL CODES.

I. TESTING, ADJUSTING, AND BALANCING (BY THIRD PARTY TAB CONTRACTOR REQUIRED, HABC OR EQUAL BALANCING CONTRACTOR TO BE USED.)

1. TESTING, ADJUSTING AND BALANCING OF ALL WORK SHALL BE MADE BY AN INDEPENDENT CONTRACTOR WHO IS A CURRENTLY LICENSED NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) BALANCING CONTRACTOR, OR AN AABC LICENSED CONTRACTOR. NO OTHER BALANCE REPORTS WILL BE REVIEWED OR ACCEPTED. ALL BALANCING WORK MUST BE COMPLETE AND DONE IN ACCORDANCE WITH THE MOST RECENT STANDARDS OF THEIR SOCIETY AND AS A MINIMUM SHALL INCLUDE THE INFORMATION AS SHOWN IN THE AIR BALANCE REVIEW CHECKLIST. ALL COSTS FOR TESTING AND BALANCING SHALL BE INCLUDED IN BID.

2. FINAL TESTING, ADJUSTING AND BALANCING REPORT MUST BE COMPLETE AND TURNED OVER TO ARCHITECT, OWNER, AND THE G.C. PRIOR TO SUBSTANTIAL COMPLETION.

3. THE HVAC CONTRACTOR SHALL BE PRESENT FOR AIR BALANCE TO VERIFY ACCESSIBILITY TO ALL DEVICES, VERIFY ALL OPERATING SEQUENCES AND INSTALL NEW FILTERS IN ALL UNITS JUST PRIOR TO THE AIR BALANCE. THE COMPLETE AIR BALANCE SHALL TAKE PLACE WITH OUTSIDE AIR DAMPERS IN MINIMUM POSITION, EXCEPT AS NOTED OTHERWISE. HVAC CONTRACTOR SHALL ALSO INSTALL A NEW SET OF FILTERS ONE DAY PRIOR TO BUILDING TURN OVER.

4. BALANCE AIR QUANTITIES TO WITHIN +/-5% OF THAT INDICATED ON THE DRAWINGS. ANY REQUIRED CHANGES IN SHEAVES, BELTS OR PULLEYS NEEDED TO ACHIEVE SPECIFIED FLOW RATES SHALL BE PERFORMED BY THE HVAC CONTRACTOR WITH NO ADDITIONAL COST.

J. START-UP

- 1. THIS CONTRACTOR SHALL TIE NEW VRF HEADS INTO EXISTING CONTROL SYSTEM.
2. THIS CONTRACTOR SHALL INCLUDE START-UP AND OWNER TRAINING FOR NEW EQUIPMENT.

END OF SECTION 230010 - HVAC

MECHANICAL ABBREVIATIONS

Table with 2 columns: SYMBOL, DESCRIPTION. Rows include EA (EXHAUST AIR), EF (EXHAUST FAN), ETR (EXISTING TO REMAIN), OA (OUTSIDE AIR), RA (RETURN AIR), SA (SUPPLY AIR), TR (DUCT TRANSITION).

MECHANICAL SYMBOLS

Table with 2 columns: SYMBOL, DESCRIPTION. Rows include symbols for SUPPLY AIR DEVICE / DUCT, RETURN AIR DEVICE / DUCT, EXHAUST AIR DEVICE / DUCT, CONICAL TAP AND BALANCE DAMPER, VOLUME DAMPER, TURNING VANES, MOTOR OPERATED DAMPER, DUCT SMOKE DETECTOR, THERMOSTAT, CONNECT TO EXISTING.



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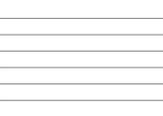


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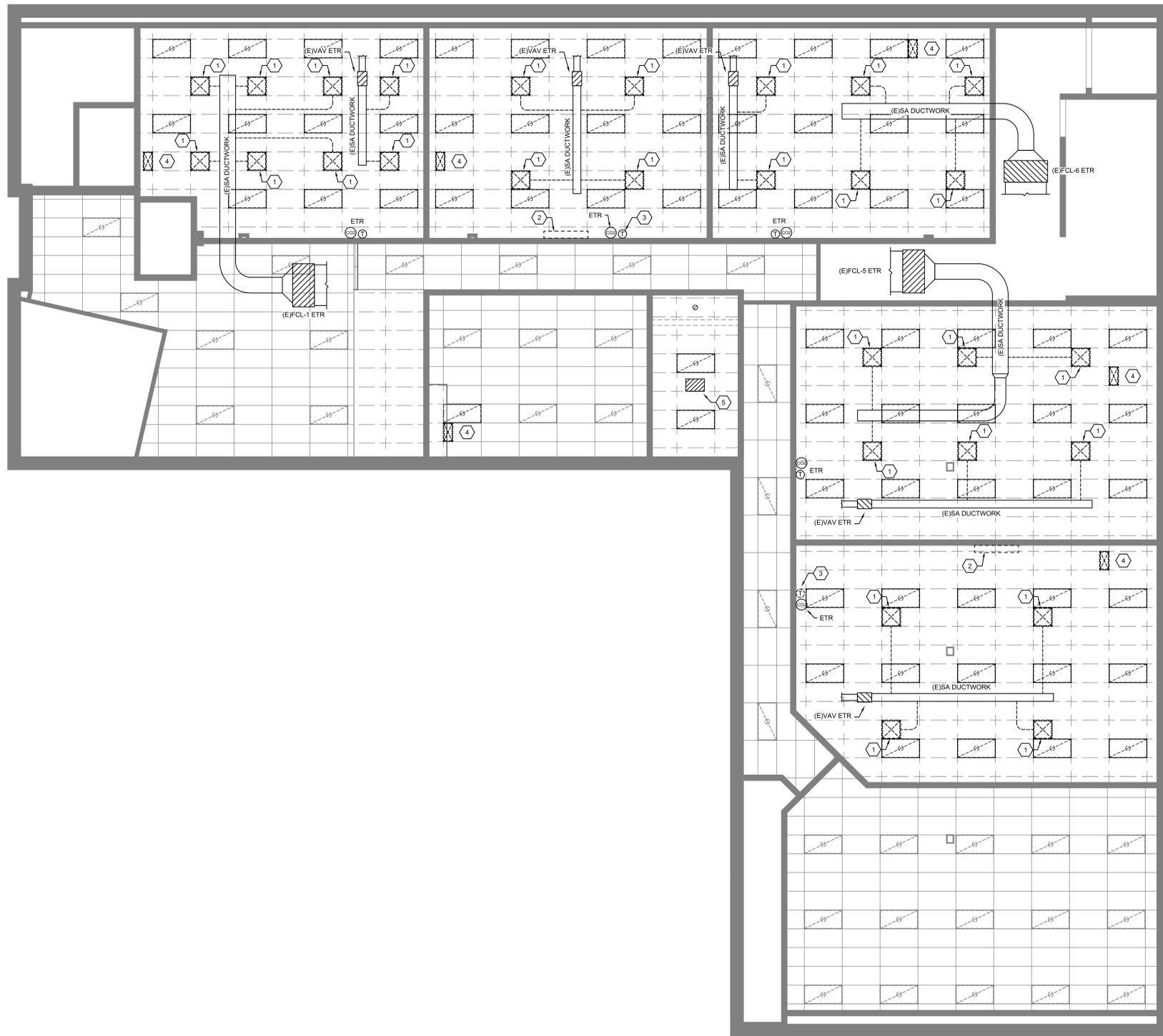
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M001
MECHANICAL SPECIFICATIONS, ABBREVIATIONS & SYMBOLS
MKC PROJECT: 24-011A



- CODED NOTES**
1. REMOVE EXISTING SA DIFFUSER. REMOVE BRANCH DUCTWORK BACK TO MAIN AND CAP.
  2. REMOVE EXISTING FLOOR STANDING VRF UNIT. REMOVE REFRIGERANT PIPING BACK TO BRANCH SELECTOR BOX.
  3. REMOVE EXISTING THERMOSTAT. MAINTAIN EXISTING CO2 DETECTOR. REMOVE THERMOSTAT WIRING BACK TO SOURCE.
  4. REMOVE AND RETAIN RETURN GRILLE AND LINED ELBOW FOR RELOCATION (TYP. 6). REFER TO NEW WORK PLANS FOR NEW LOCATION.
  5. REMOVE LINESETS OF FLOOR STANDING VRF UNITS BEING REMOVED BACK TO BRANCH CONTROLLER ABOVE UTILITY CLOSET. CAP UNUSED PORTS.

**1 LEVEL 00 MECHANICAL DEMO PLAN**  
SCALE: 3/16" = 1'-0"



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**M101**  
LEVEL 00 MECHANICAL DEMO PLAN

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1 LEVEL 01 MECANICAL DEMO PLAN  
SCALE: 3/16" = 1'-0"

- CODED NOTES**
1. REMOVE NATURAL GAS LINE TO FIRE PLACE AND CAP ABOVE CEILING.
  2. REMOVE FIRE PLACE FLUE PIPING AND COMBUSTION AIR. PATCH ROOF PENETRATION.
  3. REMOVE AND RETAIN DIFFUSER FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION. REMOVE BRANCH DUCT BACK TO MAIN.
  4. REMOVE AND RETAIN RETURN GRILLE FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  5. REMOVE DIFFUSER. REMOVE BRANCH DUCT BACK TO MAIN.
  6. REMOVE RETURN GRILLE.
  7. RELOCATE RETURN GRILLES TO CONCOURSE AREA.
  8. CEILING CASSETTE TO BE RELOCATED. REMOVE LINESETS AND FRESH AIR INLET DUCTING AND RETAIN FOR RELOCATION IN NEW WORK PLANS.
  9. REMOVE THERMOSTAT. RETAIN FOR RELOCATION IN NEW WORK PLANS.



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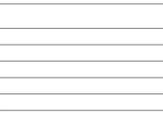
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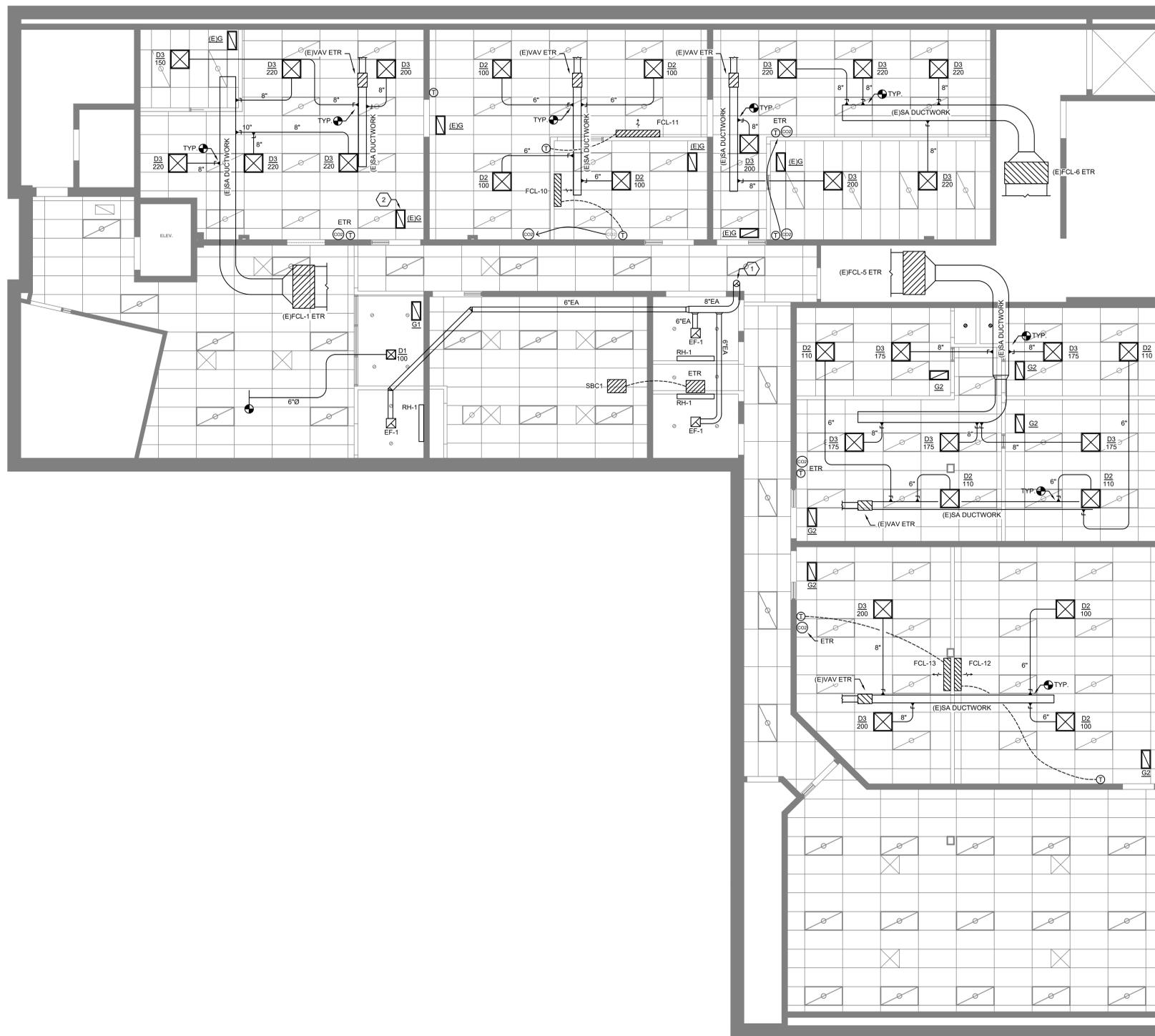
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**M102**

LEVEL 01 MECHANICAL DEMO PLAN

MKC PROJECT: 24-011A



- CODED NOTES**
- ROUTE 8" EXHAUST AIR UP THRU FLOOR OF FIRST FLOOR JANITOR'S CLOSET. REFER TO M104 FOR CONTINUATION.
  - RELOCATED RETURN GRILLE WITH LINED ELBOW (TYP. 6).
  - PROVIDE SUB BRANCH CONTROLLER AND LOCATE ABOVE DROP CEILING IN ADJACENT ROOM. USE (1) EMPTY PORT FROM DEMO WORK TO CONNECT SUB BRANCH CONTROLLER TO EXISTING MAIN BRANCH CONTROLLER. CONNECT NEW FLOOR STANDING VRF UNITS (FCL-10 - FCL-13) TO SUB BRANCH CONTROLLER. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND LINESET LENGTHS.

- GENERAL NOTES**
- ALL NEW MATERIAL IN CEILING SPACE TO BE PLENUM RATED.

**1 LEVEL 00 MECHANICAL NEW WORK PLAN**  
SCALE: 3/16" = 1'-0"



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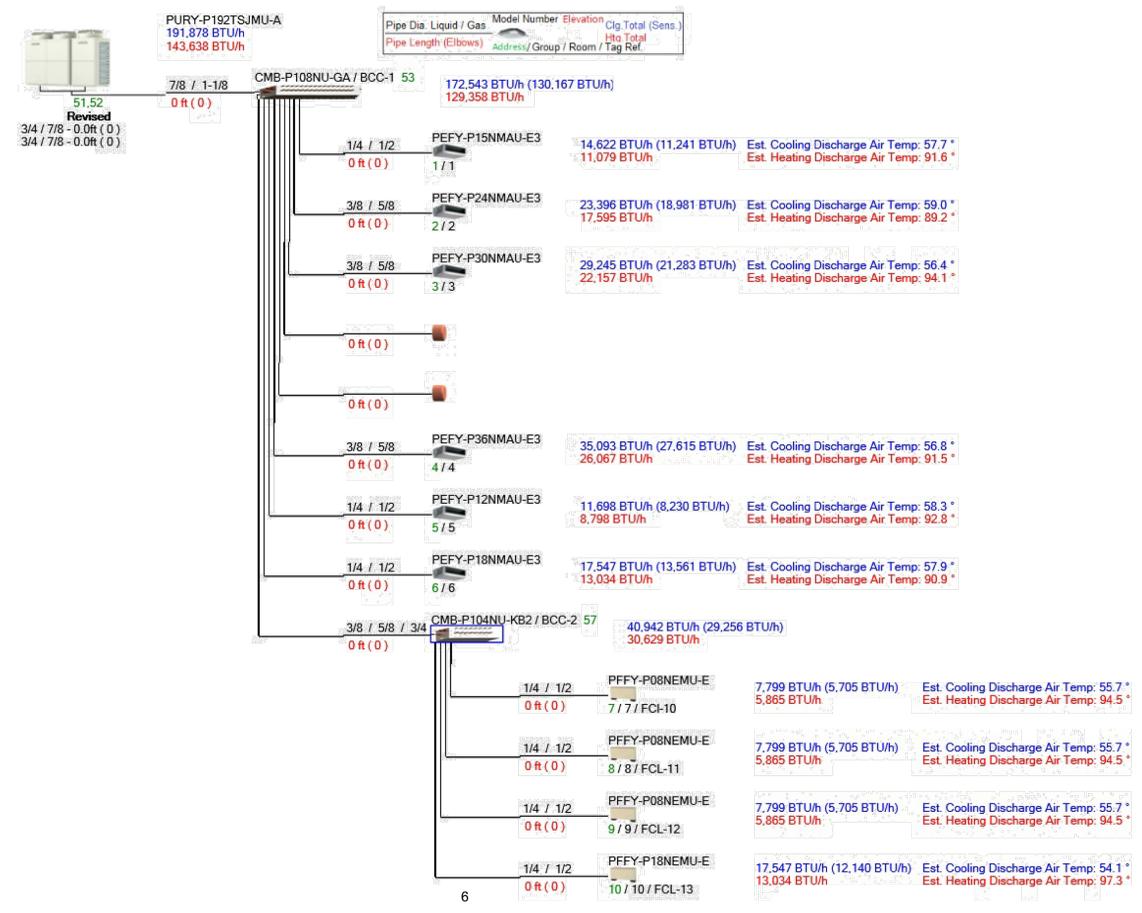
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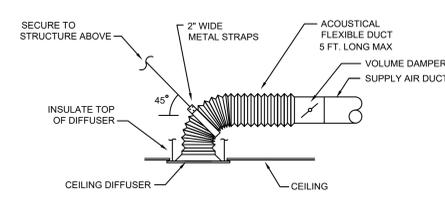
**M103**  
LEVEL 00 MECHANICAL NEW WORK PLAN  
MKC PROJECT: 24-011A



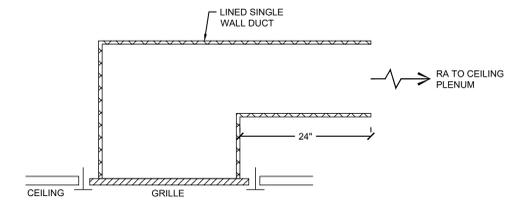
### Design View Piping Diagrams



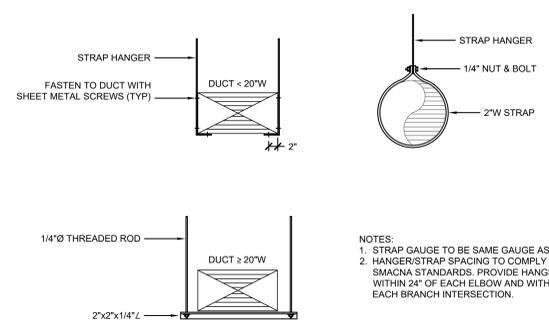
5 BASEMENT VRF PIPING DIAGRAM  
SCALE: NTS



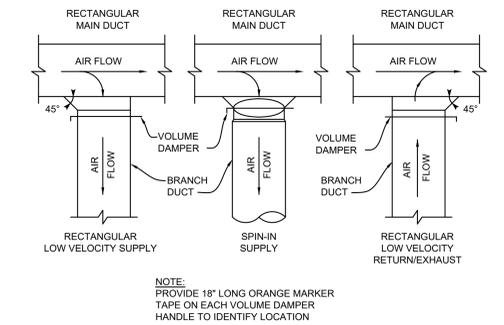
1 CEILING DIFFUSER DETAIL  
SCALE: NTS



2 CEILING GRILLE DETAIL  
SCALE: NTS



3 DUCTWORK SUPPORT DETAIL  
SCALE: NTS



4 DUCTWORK CONNECTION DETAILS  
SCALE: NTS

#### EXHAUST FAN SCHEDULE

LABEL	MANUFACTURER	MODEL	FUNCTION	INSTALL	CFM	SP (IN WG.)	RPM	CONTROL TYPE	DRIVE TYPE	MOTOR HP	FEI	WEIGHT (LB)	V-PH-HZ	WATTS	NOTES
EF-1	GREENHECK	SP-B150	EXHAUST	CEILING	70	0.5	758	SWITCH	DIRECT	-	-	11	115-1-60	128	1

1. PROVIDE WITH ROUND DUCT CONNECTOR, HANGING ISOLATION KIT, PLUG TYPE DISCONNECT, INTEGRAL BACKDRAFT DAMPER, AND WHITE GRILLE.

#### VARIABLE REFRIGERANT FLOW SYSTEM SCHEDULE

SYSTEM	LABEL	MANUFACTURER	UNIT			HEATING		SA FAN		ELECTRIC		NOTES
			MODEL	REFRIGERANT	WEIGHT (LB)	CAPACITY (MBH)	COP	CFM	SP (IN WG)	V-PH-HZ	MCA	
1	FCL-10	TRANE	TPEFY008CS140A	R-410A	67	9.0	-	229	-	208-1-60	0.32	15
	FCL-11	TRANE	TPEFY018CS140A	R-410A	84	20	-	450	-	208-1-60	0.48	15
	FCL-12	TRANE	TPEFY008CS140A	R-410A	67	9.0	-	229	-	208-1-60	0.32	15
	FCL-13	TRANE	TPEFY008CS140A	R-410A	67	9.0	-	229	-	208-1-60	0.32	15
	SBC1	TRANE	CMB-P104NU-KB2	R-410A	49	-	-	-	-	208-1-60	0.38	15

1. PROVIDE WITH PROGRAMMABLE THERMOSTAT, MATCH EXISTING IN SPACE.  
2. PROVIDE WITH BACnet AND MODBUS INTERFACE (PAC-UKPRC001-CN-1).

#### ELECTRIC HEATER SCHEDULE

LABEL	MANUFACTURER	MODEL	WEIGHT (LB)	INSTALLATION	CFM	FILTER	WATTS	V-PH-HZ	AMPS	NOTES
RH-1	QMARK	RC6012C	-	WALL	-	-	600	120-1-60	5	1

1. PROVIDE WITH INTEGRAL THERMOSTAT AND DISCONNECT.

#### DIFFUSERS, REGISTERS & GRILLES SCHEDULE

LABEL	SERVICE	MANUFACTURER	NECK SIZE	FACE SIZE	MODEL	FRAME TYPE	MATERIAL	FINISH	NOTES
D1	SUPPLY	PRICE	6"	12"x12"	SPD	SURFACE	STEEL	WHITE	-
D2	SUPPLY	PRICE	6"	24"x24"	SPD	LAY-IN	STEEL	WHITE	-
D3	SUPPLY	PRICE	8"	24"x24"	SPD	LAY-IN	STEEL	WHITE	-
D4	SUPPLY	PRICE	10"	24"x24"	SPD	LAY-IN	STEEL	WHITE	-
G1	RETURN	PRICE	22"x10"	-	530	SURFACE	STEEL	WHITE	-
G2	RETURN	PRICE	22"x10"	-	530	LAY-IN	STEEL	WHITE	-

#### VENTILATION TABLE

OA REQUIRED = (AzRa + PzRp) / Ez; Az = ZONE AREA (SQ FT); Ra = AREA OA RATE (CFM / SQ FT); Pz = ZONE POPULATION; Rp = PEOPLE OA RATE (CFM / PERSON); Ez = ZONE AIR DISTRIBUTION EFFECTIVENESS

UNIT	AREA SERVED	Az	Ra	Pz	Rp	Ez	REQUIRED OA CFM	DESIGN OA CFM
(E)FC1-8	OFFICE 114	115	0.06	1	5	0.8	15	-
	OFFICE 115	127	0.06	1	5	0.8	15	-
	OFFICE 117	138	0.06	1	5	0.8	16	80
	OFFICE 119	140	0.06	1	5	0.8	16	-
	OFFICE 120	116	0.06	1	5	0.8	15	-
(E)FC1-9	OFFICE 116	203	0.06	2	5	0.8	27	30
	FLEX 121	243	0.06	-	-	0.8	18	20
(E)JAV	ENGINEER 015	86	0.06	1	5	0.8	13	-
	ENG. 026,027,028	548	0.06	5	5	0.8	72	90
(E)JAV	DEV. 016	170	0.06	1	5	0.8	19	-
	TECH. 029,030,031	218	0.06	3	5	0.8	35	80
	STORAGE 033	139	0.06	-	10	0.8	22	-
(E)JAV	FLEX 032	397	0.06	4	5	0.8	54	-
	BREAK 017	244	0.06	4	5	0.8	43	100
	OFFICE 018	153	0.06	1	5	0.8	17	-
(E)JAV	FLEX 019	353	0.06	3	5	0.8	45	-
	OFFICE 020	151	0.06	1	5	0.8	17	-
	INSPECTOR 021	242	0.06	1	5	0.8	24	-
(E)JAV	BASE. CONF.	381	0.06	10	5	0.8	91	-
	FILE 022	541	0.06	-	-	0.8	40	135



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M601  
MECHANICAL DETAILS & SCHEDULES  
MKC PROJECT: 24-011A

ELECTRICAL SPECIFICATIONS

260000 - ELECTRICAL

A. GENERAL NOTES

- 1. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO READ THE SPECIFICATIONS AND REVIEW DRAWINGS FOR ALL DIVISIONS OF WORK AND IS RESPONSIBLE FOR THE COORDINATION OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS WITH ALL DIVISIONS OF WORK. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE THEIR SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.

B. GENERAL REQUIREMENTS

- 1. CONTRACTOR SHALL PROVIDE ALL INSURANCE, LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS, AND DETAILS NECESSARY TO PROVIDE A COMPLETE ELECTRICAL SYSTEM AS INTENDED ON THE DRAWINGS. CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH THE CONSTRUCTION MANAGER AS REQUIRED.

C. CODES

- 1. WORK SHALL CONFORM TO ALL STATE, COUNTY, CITY, AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, NEC, ENERGY CODES, AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED TO THE CONTRACTOR.

D. LICENSES, PERMITS, INSPECTIONS & FEES

- 1. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO THEIR WORK.

E. TRADE NAMES, MANUFACTURERS, AND SHOP DRAWINGS

- 1. WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED WILL BE SUBJECT TO APPROVAL IN WRITING BY THE ENGINEER PRIOR TO THE SHOP DRAWING SUBMITTAL PROCESS. FOR ACCEPTANCE, THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

F. GUARANTEE

- 1. THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORK PROVIDED UNDER THEIR CONTRACT AND SHALL MAKE GOOD, REPAIR, OR REPLACE AT THEIR OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE (IN WRITING) OF THE INSTALLATION. EXTENDED WARRANTIES ARE AS SPECIFIED WITH INDIVIDUAL EQUIPMENT.

G. RECORD DRAWINGS

- 1. THIS CONTRACTOR SHALL MAINTAIN ONE COPY OF DRAWINGS ON THE JOB SITE TO RECORD DEVIATIONS FROM CONTRACT DRAWINGS.

H. DISCREPANCIES IN DOCUMENTS

- 1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE ELECTRICAL SYSTEMS. WHERE DRAWINGS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE CONSTRUCTION MANAGER IN WRITING, PRIOR TO SUBMITTAL OF BID. THE CONSTRUCTION MANAGER IS RESPONSIBLE TO ADVISE THE OWNER, IN WRITING, OF DISCREPANCIES IN THE CONTRACT DOCUMENTS PRIOR TO SUBMISSION OF BID. OTHERWISE, THE ENGINEER'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.

GENERAL PRODUCTS

A. RACEWAYS

- 1. MINIMUM RACEWAY SIZE IS 3/4" UNLESS NOTED OTHERWISE.
- 2. CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METALLIC CONDUIT

(MC), OR GALVANIZED RIGID CONDUIT (GRC).

- 3. FLEXIBLE METAL CONDUIT MAY BE USED FOR FINAL CONNECTION TO LIGHT FIXTURES, FOR FINAL CONNECTION TO MOTORS, WHERE CONCEALED.
- 4. METAL CLAD CABLE (TYPE MC) MAY BE USED BETWEEN WIRING DEVICES WHERE ALLOWED BY CODE AND LOCAL AUTHORITY HAVING JURISDICTION AND INSTALLED PER NEC ARTICLE 334.
- 5. CONDUIT SUBJECT TO PHYSICAL DAMAGE SHALL BE GRC, UNLESS NOTED OTHERWISE.
- 6. UNDERGROUND OR IN-SLAB CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.

B. CONDUIT FITTINGS

- 1. IMC AND GRC: NON-SPLIT THREADED STEEL, ZINC DIE CAST IS NOT ACCEPTABLE.
- 2. EMT: COMPRESSION OR DOUBLE SET SCREW TYPE.
- 3. BUSHINGS SHALL BE METALLIC INSULATED TYPE.
- 4. FACTORY BENDS SHALL BE USED FOR ANY CONDUIT SIZE 2" OR LARGER. UNDERGROUND BENDS SHALL BE PVC COATED GRC.

C. OUTLET/JUNCTION /PULL BOXES

- 1. OUTLET BOXES SHALL BE PROVIDED AS SHOWN OR REQUIRED BY CODE.
- 2. OUTLET BOXES SHALL BE CODE GAUGE GALVANIZED STEEL, 4" SQUARE AND 2-1/8" DEEP WITH PLASTER RING.
- 3. PROVIDE RAISED COVERS AND FIXTURE STUDS FOR OUTLET BOXES WHERE REQUIRED.
- 4. PROVIDE BLANK COVERS FOR OUTLET BOXES WITHOUT DEVICES.
- 5. PROVIDE 6" SEPARATION BETWEEN BACK-TO-BACK OUTLET BOXES.
- 6. ALL BOXES SHALL BE SIZED PER NEC REQUIREMENTS FOR NUMBER AND SIZE OF CONDUCTORS AND CONDUIT ENTRIES TO SUIT INTENDED APPLICATION.
- 7. COVERS SHALL BE FULLY ENCLOSED AND SECURED AT ALL CORNERS.
- 8. FLOOR BOXES SHALL BE GALVANIZED CAST IRON TYPE WITH BRASS COVERS AND FLANGES SUITABLE FOR CONDUIT AND DEVICES INDICATED. FLOOR BOXES SHALL BE MANUFACTURED BY STEEL CITY OR APPROVED EQUAL.

D. WIRE AND CABLE

- 1. CONDUCTORS #10 AWG AND SMALLER MAY BE SOLID OR STRANDED, CONDUCTORS LARGER THAN #10 AWG SHALL BE STRANDED.
- 2. ALL CONDUCTORS SHALL BE MINIMUM 75 DEGREES C COPPER UNLESS NOTED OTHERWISE.
- 3. POWER AND LIGHTING CONDUCTOR SIZE SHALL BE MINIM #12 AWG UNLESS NOTED OTHERWISE.
- 4. CONDUCTOR INSULATION TYPE SHALL BE THHN/THWN UNLESS NOTED OTHERWISE.
- 5. ALL TERMINATIONS AND DEVICES SHALL BE LISTED FOR 75 DEGREES C UNLESS OTHERWISE NOTED.
- 6. ALL WIRING SHALL BE IDENTIFIED WITH MARKERS TO REFLECT CIRCUIT DESIGNATIONS AT ALL POINTS WHERE WIRING IS ACCESSIBLE.
- 7. NO ALUMINUM CONDUCTORS.
- 8. THE FOLLOWING CONDUCTOR SIZES SHALL BE PROVIDED FOR 20A, 1Ø BRANCH CIRCUITS (HOT, NEUTRAL AND GROUND, BASED ON ACTUAL CIRCUIT LENGTH, UPSIZE RACEWAYS ACCORDINGLY).

Table with columns: CONDUCTOR SIZE, 120V, 208V, 277V, 480V. Rows for #12 AWG, #10 AWG, #8 AWG, #6 AWG.

9. CONDUCTORS SHALL HAVE THE FOLLOWING COLOR UNLESS OTHERWISE REQUIRED PER LOCAL ORDINANCES OR REQUIREMENTS:

Table with columns: VOLTAGE SYSTEM, PHASE A, PHASE B, PHASE C, NEUTRAL, GROUND. Rows for 208/120V, 3Ø, 4W and 480/277V, 3Ø, 4W.

E. DEVICES

WIRING DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE AS FOLLOWS:

- 1. WALL SWITCHES: 20A RATED, 120/277V, SINGLE POLE, SILENT TYPE.
- 2. DIMMER SWITCHES: PER LIGHTING CONTROL SCHEDULE.
- 3. RECEPTACLES: 20A RATED, 125V DUPLEX GROUNDED TYPE.
- 4. GFI TYPE: 20A RATED GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE.
- 5. STANDARD RECEPTACLES SHALL BE WHITE W/ WHITE COVER PLATE.
- 6. MOUNTING HEIGHTS SHALL BE INDICATED ON THE DRAWINGS OR AS REQUIRED BY ADA OR AUTHORITY HAVING JURISDICTION.

F. CIRCUIT BREAKERS

- 1. CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AS THE SWITCHBOARD, DISTRIBUTION PANEL OR PANELBOARDS WITH THE RATING AND NUMBER OF POLES AS INDICATED OR SCHEDULED.
- 2. CIRCUIT BREAKERS SERVING HVAC TYPE EQUIPMENT SHALL BE HACR TYPE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- 3. SERIES RATED CIRCUIT BREAKERS AND EQUIPMENT IS NOT ACCEPTABLE.

G. PANELBOARDS

- 7. ACCEPTABLE EQUIPMENT MANUFACTURERS SHALL BE GENERAL ELECTRIC, SIEMENS, SQUARE D, EATON OR ABB.
- 8. DISTRIBUTION PANELS AND PANELBOARDS SHALL MEET THE SEISMIC QUALIFICATIONS OF THE ADOPTED BUILDING CODE.
- 9. GROUNDING CONNECTIONS SHALL BE MADE WITH APPROVED CONNECTORS AND METHODS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.

- 10. ALL PANELBOARDS SHALL BE BOLT-ON CIRCUIT BREAKER TYPE, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- 11. WIRE TERMINATIONS SHALL BE UL LISTED FOR 75 DEGREES.
- 12. DISTRIBUTION PANELS AND PANELBOARDS SHALL HAVE A SEPARATE GROUND BUS ISOLATED FROM THE NEUTRAL BUS.
- 13. ALL DISTRIBUTION PANELS AND PANELBOARDS SHALL BE UL LISTED AND FULLY RATED FOR THE AIC RATING INDICATED ON THE DRAWINGS. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.
- 14. CONTRACTOR IS RESPONSIBLE TO CONFIRM SUBMITTED EQUIPMENT WILL FIT WITHIN ALLOTTED SPACE SHOWN AND COMPLY WITH ALL NEC CLEARANCE REQUIREMENTS.
- 15. ALL BUSES SHALL BE COPPER.

H. LIGHTING FIXTURES

- 1. ALL LIGHTING FIXTURES SHALL BE UL LISTED AND SHALL BE PER THE LIGHT FIXTURE SCHEDULE. NO EQUALS ALLOWED UNLESS APPROVED IN WRITING BY ENGINEER.

GENERAL EXECUTION

- A. THOROUGHLY CLEAN ALL ITEMS BEFORE INSTALLATION.
- B. ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER.
- C. ALL EQUIPMENT SHALL BE FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.
- D. COORDINATE ELECTRICAL WORK WITH OTHER TRADES PRIOR TO SUBMITTING BID.
- E. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ELECTRICAL DEVICES, INCLUDING RECEPTACLES, SWITCHES, DATA AND TELEPHONE OUTLETS. IF LOCATIONS ARE NOT DEPICTED ON THE ARCHITECTURAL DRAWINGS, OBTAIN APPROVAL OF ARCHITECT PRIOR TO ROUGH-IN.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND COMPLETE REPAIR OF EXISTING BUILDING WALLS, CEILINGS ETC AS REQUIRED FOR INSTALLATION OF ELECTRICAL SYSTEMS.
- G. PROVIDE ENGRAVED NAME PLATES WITH SHEET METAL SCREWS FOR EACH PIECE OF EQUIPMENT INCLUDING, PANELBOARDS, DISCONNECTS, ETC. LABELED FOR AS-BUILT DRAWINGS.
- H. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE OF THE SAME MANUFACTURER, INCLUDING PANELBOARDS, ETC.
- I. ALL MATERIAL, INSTALLED IN PLENUM CEILINGS SHALL BE PLENUM RATED INCLUDING BUT NOT LIMITED TO: WIRING, DEVICES, LIGHT FIXTURES.

INSTALLATION

A. RACEWAYS

- 10. RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.
- 11. ALL RACEWAYS REQUIRED TO BE EXPOSED SHALL BE PAINTED TO MATCH THE ADJACENT BUILDING SURFACE.
- 12. SUPPORT RACEWAYS WITH TOGGLE BOLTS ON HOLLOW MASONRY, MACHINE SCREWS ON METAL SURFACES, BEAM CLAMPS ON FRAMEWORK, WOOD SCREWS ON WOOD.
- 13. RACEWAYS SHOULD BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING SURFACES AND AT RIGHT ANGLES.
- 14. PROVIDE 200LB PULL STRING IN ALL EMPTY RACEWAYS.
- 15. RACEWAYS PASSING THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED WITH UL LISTED FIRE RATED SEALANT, WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL REQUIRED LOCAL AUTHORITIES FOR INTENDED APPLICATION.
- 16. OBTAIN FINAL APPROVAL FROM ARCHITECT PRIOR TO THE INSTALLATION OF RACEWAYS THROUGH RATED WALLS OR FLOORS.
- 17. HOME RUNS MAY BE COMBINED IN CONDUIT PER NEC REQUIREMENTS FOR DERATING AND FILL.
- 18. INSTALL ALL RACEWAY SYSTEMS PER THE NEC. DEVIATIONS FROM THE WIRING INDICATED SHALL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL PRIOR TO PLACING BID AND INSTALLATION.
- 19. INCLUDE ALL COSTS FOR RACEWAYS SYSTEMS AS SPECIFIED UNLESS WRITTEN APPROVAL FOR ALTERNATE WIRING METHOD IS OBTAINED FROM THE ARCHITECT, ENGINEER AND OWNER PRIOR TO SUBMITTING BID.
- 20. PROVIDE EQUIPMENT GROUNDING CONDUCTOR PER NEC 250 IN RACEWAYS.
- 21. PROVIDE SEPARATE RACEWAYS FOR EMERGENCY SYSTEM WIRING AND NORMAL SYSTEM WIRING.
- 22. ALL RACEWAYS AND CONDUCTORS SIZES SHOWN ARE TO BE INSTALLED WITHIN THE BUILDING STRUCTURE NOT EXPOSED TO AMBIENT CONDITIONS. IF RACEWAYS AND CONDUCTORS ARE ROUTED EXPOSED TO AMBIENT CONDITIONS, CONTRACTOR SHALL DERATE CONDUCTORS AND UPSIZE RACEWAYS ACCORDINGLY.
- 23. ALL UNDERGROUND OR BELOW GRADE RACEWAYS SHALL INSTALLED IN COMPLIANCE WITH NEC TABLE 300.5.

B. FITTINGS AND ACCESSORIES

- 1. PROVIDE EXPANSION AND DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. PROVIDE BONDING JUMPERS FOR ALL EXPANSION FITTINGS.
- 2. FITTINGS SHALL BE SUITABLE FOR CONDITIONS OF INSTALLATION. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL.

C. OUTLET, JUNCTION AND PULL BOXES

- 1. OUTLET BOXES SHALL BE METALLIC WITH GROUND CONNECTION AND EQUIPMENT GROUNDING CONDUCTOR CONNECTION AND EQUIPMENT GROUNDING CONDUCTOR CONNECTION.
- 2. PROVIDE INSULATED SUPPORTS FOR CABLES.
- 3. PROVIDE SEPARATE BOXES FOR DIFFERENT VOLTAGE SYSTEMS.
- 4. PROVIDE SEPARATE BOXES FOR EMERGENCY SYSTEM WIRING AND FOR NORMAL SYSTEM WIRING.
- 5. COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, FURNITURE CONSULTANT AND INTERIOR DESIGNER PRIOR TO ROUGH-IN. SEE THOSE DRAWINGS FOR ADDITIONAL INFORMATION.

D. WIRE AND CABLE

- 1. HOME RUNS MAY BE COMBINED IN CONDUIT, PER REQUIREMENTS OF NEC FOR DERATING AND FILL.
- 2. PROVIDE INSULATION TESTING DOCUMENTATION OF ALL FEEDER AND DISTRIBUTION WIRING. REMOVE AND REPLACE WIRING NOT MEETING MANUFACTURER'S RECOMMENDED INSULATION RESISTANCE.

- 3. PROVIDE TESTING DOCUMENTATION SHOWING GROUNDING SYSTEM FOR THIS PROJECT WITH RESISTANCE OF LESS THAN 5 OHMS.

E. DEVICES

- 1. INSTALL SWITCHES @48" AFF TO CENTER OF SWITCH, UNLESS NOTED OTHERWISE.
- 2. INSTALL RECEPTACLES @18" AFF TO CENTER OF DEVICE, UNLESS NOTED OTHERWISE.
- 3. RECEPTACLES LOCATED FOR COUNTERTOP USE SHALL BE 6" TO THE CENTER OF DEVICE ABOVE THE COUNTERTOP.
- 4. PROVIDE LABELS ON RECEPTACLE COVERS INDICATING CIRCUIT. LABELS TO BE BLACK TEXT ON CLEAR BACKGROUND.

F. CIRCUIT BREAKERS

- 1. WHERE NEW OVERCURRENT DEVICES ARE ADDED TO EXISTING SWITCHBOARD, DISTRIBUTION PANELS AND PANELBOARDS, UTILIZE SPARES AND/OR PROVIDE ADDITIONAL BREAKERS OR SWITCHES AS REQUIRED TO EXISTING SPACES OR PROVIDE A NEW PANELBOARD OR SECTION SUBEDED FROM THE EXISTING SYSTEM. SHORT CIRCUIT INTERRUPTING RATING OF NEW OVERCURRENT DEVICES SHALL MATCH THE RATING OF THE EXISTING EQUIPMENT.

G. DISCONNECTS

- 1. INSTALL DISCONNECTS AS REQUIRED PER THE NEC.
- 2. WALL MOUNTED DISCONNECTS SHALL BE INSTALLED @54" TO BOTTOM OF DEVICE, UNLESS NOTED OTHERWISE.

H. PANELBOARDS

- 1. CONTRACTOR SHALL BALANCE THE LOADS IN ALL PANELBOARDS TO LESS THAN 10% IMBALANCE BETWEEN THE PHASES.
- 2. PROVIDE TYPEWRITTEN PANELBOARD SCHEDULES IN PANELBOARD DOORS DEPICTING THE FINAL AS-BUILT CONDITIONS AT PROJECT COMPLETION.
- 3. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 250.
- 4. ALL PANELBOARDS SHALL BE INSTALLED TO MEET THE NEC 110-26 CLEARANCE REQUIREMENTS.

J. LIGHTING FIXTURES

- 1. PROVIDE ALL NECESSARY SUPPORTS FOR LIGHTING FIXTURES REQUIRED.
- 2. ALL FIXTURES EQUALING OR EXCEEDING 4 LBS SHALL BE DIRECTLY SUPPORTED TO THE BUILDING STRUCTURE.
- 3. WHERE FIXTURES ARE INSTALLED ON OR IN SUSPENDED CEILING SYSTEMS, SECURE FIXTURES TO CEILING FRAME SYSTEM AND PROVIDE FIXTURE SUPPORTS INDEPENDENT OF CEILING SUSPENSION SYSTEM AS REQUIRED PER APPLICABLE CODE.
- 4. INCLUDE IN BASE BID ALL LABOR AND MATERIAL TO INSTALL FIXTURES, INCLUDING THOSE PROVIDED BY THE OWNER.
- 5. PROVIDE CEILING MOUNTED PENDANT FIXTURE WITH APPROVED SUPPORT FOR WEIGHT TO BE SUPPORTED AND FOR SEISMIC COMPLIANCE.
- 6. RECESSED FIXTURES IN FIRE RATED CEILINGS AND RETURN OR PLENUMS SHALL BE APPROVED FOR THE FIRE RATING OF THE CEILING OR SHALL BE FULLY ENCLOSED IN A FIRE RATED HOUSING ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- 7. SEAL ALL OPENINGS AS REQUIRED TO ELIMINATE AIR LEAKS.
- 8. VERIFY TYPE OF MOUNTING REQUIRED FOR ALL LIGHTING FIXTURES AND PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
- 9. ALL ADJUSTABLE FIXTURES SHALL BE LOCATED AND PROPERLY AIMED AS DIRECTED BY THE ARCHITECT OR LIGHTING DESIGNER. ALL AIMING OF BUILDING FACADE LIGHTING SHALL BE PERFORMED BY CONTRACTOR AT NIGHT.
- 10. WIRE ALL FIXTURES DESIGNATED AS NIGHT LIGHTS TO OPERATE 24/7.
- 11. WIRE ALL EXIT SIGNS ON LOCAL LIGHTING CIRCUIT AHEAD OF CONTROLS.

ELECTRICAL ABBREVIATIONS

Table with columns: SYMBOL, DESCRIPTION. Rows include A (AMP), AC (ABOVE COUNTER), BC (BELOW COUNTER), C (CONDUIT), ETR (EXISTING TO REMAIN), FB (FLOOR BOX), FLA (FULL LOAD AMPS), FMC (FLEXIBLE METAL CONDUIT), GFI (GROUND FAULT INTERRUPTER), G, GRD (GROUND), HP (HORSE POWER), HZ (HERTZ), JB (JUNCTION BOX), KV (KILOVOLTS), KVA (KILOVOLT AMPS), KW (KILOWATT), KWH (KILOWATT HOUR), LG (LIGHTING), LV (LOW VOLTAGE), N3R (NEMA 3R), NEC (NATIONAL ELECTRICAL CODE), RECEPT (RECEPTACLE), TYP (TYPICAL), VA (VOLT AMPS), W (WATTS).

ELECTRICAL SYMBOLS

Table with columns: SYMBOL, DESCRIPTION. Rows include Duplex Receptacle, Ceiling Duplex Receptacle, Double Duplex Receptacle, Floor Duplex Receptacle, Junction Box, Surface Electric Panel, Toggle Switch (SPST), Connect to Existing, and Circuiting Designations (Panel Name, Circuit Number).



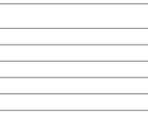
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E001  
ELECTRICAL SPECIFICATIONS,  
ABBREVIATIONS & SYMBOLS  
MKC PROJECT: 24-011A



- CODED NOTES**
1. REMOVE WALL RECEPTACLE / DATA PORT. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  2. REMOVE FIRE ALARM DEVICE LOCATED ON WALL. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  3. REMOVE HIGH WALL RECEPTACLE / DATA PORT. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  4. REMOVE WALL RECEPTACLE. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  5. REMOVE AUDIOVISUAL CONTROL PANEL ON WALL. REMOVE WIRING AND CONDUIT BACK TO SOURCE.
  6. REMOVE WALL RECEPTACLE. RETAIN BACK BOX FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  7. REMOVE DATA PORT. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  8. REMOVE CEILING RECEPTACLE.
  9. REMOVE CEILING RECEPTACLE. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  10. REMOVE JUNCTION BOX / DATA PORT. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  11. REMOVE RECEPTACLE / DATA PORT. RETAIN BACK BOX FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  12. REMOVE POWER FROM EXISTING FLOOR STANDING VRF UNIT. REMOVE WIRES AND CONDUIT BACK TO SOURCE.

**1 LEVEL 00 POWER DEMO PLAN**  
SCALE: 3/16" = 1'-0"



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**E101**  
LEVEL 00 POWER DEMO PLAN

MKC PROJECT: 24-011A





- CODED NOTES**
1. REMOVE POWER TO FIRE PLACE. REMOVE WIRING AND CONDUIT BACK TO SOURCE.
  2. REMOVE RECEPTACLES AND FURNITURE POWER / DATA FEEDS FROM COLUMNS BEING REMOVED.
  3. REMOVE FLOOR RECEPTACLES AND CAP CONDUIT FLUSH WITH FLOOR.
  4. REMOVE WALL RECEPTACLE / DATA PORT.
  5. REMOVE FIRE ALARM DEVICE LOCATED ON WALL. RETAIN FOR RELOCATION. REFER TO NEW WORK PLANS FOR NEW LOCATION.
  6. REMOVE HIGH WALL RECEPTACLE / DATA PORT.
  7. REMOVE WALL RECEPTACLE.
  8. REMOVE HIGH WALL RECEPTACLE.
  9. REMOVE DATA PORT.
  10. REMOVE CEILING RECEPTACLE.
  11. REMOVE AUDIO/VISUAL CONTROL PANEL ON WALL. REMOVE WIRING AND CONDUIT BACK TO SOURCE.

**1 LEVEL 01 POWER DEMO PLAN**  
SCALE: 3/16" = 1'-0"



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**E103**  
LEVEL 01 POWER DEMO PLAN

MKC PROJECT: 24-011A



- CODED NOTES**
1. REMOVE EXISTING LIGHTING FIXTURE. REMOVE WIRING AND CONDUIT BACK TO SOURCE.
  2. REMOVE SWITCH / SWITCH BANK. REMOVE WIRING AND CONDUIT BACK TO SOURCE.
  3. REMOVE POWER TO CEILING CASSETTE. RETAIN WIRING AND CONDUIT FOR RELOCATION, REFER TO NEW WORK PLANS.

**1 LEVEL 01 LIGHTING DEMO PLAN**  
SCALE: 3/16" = 1'-0"



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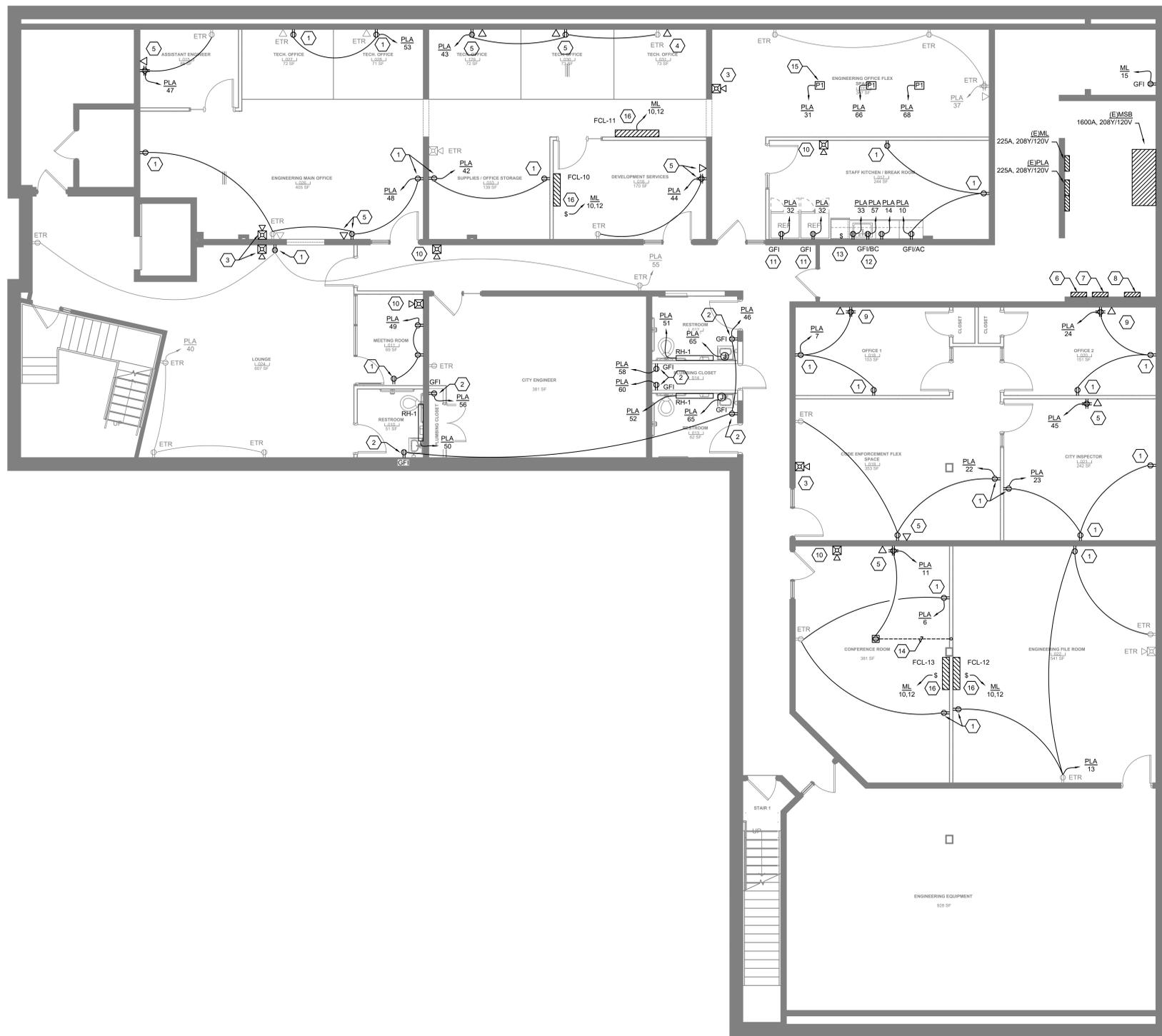
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**E104**

LEVEL 01 LIGHTING DEMO

MKC PROJECT: 24-011A



1 LEVEL 00 POWER PLAN  
SCALE: 3/16" = 1'-0"

- CODED NOTES**
1. RELOCATE RECEPTACLE TO NEW LOCATION. EXTEND CONDUIT AS NECESSARY.
  2. RELOCATE BACK BOX AND EXTEND CONDUIT TO NEW LOCATION. PROVIDE GFI RECEPTACLE.
  3. RELOCATE FIRE ALARM DEVICE TO NEW LOCATION. EXTEND CONDUIT AS NECESSARY.
  4. RELOCATE DATA PORT TO NEW LOCATION. EXTEND CONDUIT AS NECESSARY.
  5. RELOCATE RECEPTACLE AND DATA PORT TO NEW LOCATION. EXTEND CONDUIT AS NECESSARY.
  6. EXISTING FIRE ALARM PANEL LOCATION. PANEL IS HONEYWELL NFS-320.
  7. EXISTING VOICE EVACUATION SYSTEM BY HONEYWELL.
  8. EXISTING SECURITY PANEL LOCATION.
  9. INSTALL NEW RECEPTACLE AND RELOCATE DATA PORT TO NEW LOCATION. EXTEND CONDUIT AS NECESSARY.
  10. INSTALL NEW FIRE ALARM DEVICE.
  11. INSTALL NEW GFI RECEPTACLE WITH BACK BOX AND EXTEND CONDUIT TO NEW LOCATION.
  12. PROVIDE DISHWASHER, GARBAGE DISPOSAL AND GRAY WATER PUMP GFI RECEPTACLES IN ACCESSIBLE LOCATION IN SINK CABINET.
  13. PROVIDE WALL SWITCH FOR GARBAGE DISPOSAL ABOVE COUNTER.
  14. ROUTE POWER DOWN NEW WALL AND TRENCH OVER TO NEW FLOOR BOX LOCATION.
  15. PROVIDE (1) POWER POLE PER (2) CUBICLES IN ENGINEERING FLEX SPACE. PROVIDE KNOCKOUTS FOR POWER AND COMMUNICATION CONNECTION TO HARDWIRED MODULAR FURNITURE. COORDINATE TERMINATIONS WITH FURNITURE PROVIDER.
  16. PROVIDE DPST SWITCH ABOVE CEILING IN ACCESSIBLE LOCATION FOR VRF UNIT DISCONNECT.

- GENERAL NOTES**
1. ALL NEW MATERIAL IN CEILING SPACE TO BE PLENUM RATED.



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**E105**  
LEVEL 00 POWER PLAN

MKC PROJECT: 24-011A



1 LEVEL 00 LIGHTING PLAN  
SCALE: 3/16" = 1'-0"

- CODED NOTES**
- POWER NEW LIGHTING FIXTURES THROUGH EXISTING LOCAL LIGHTING CIRCUIT.
  - PROVIDE 3-WAY SWITCHING IN ROOM.
  - POWER NEW LIGHTING FIXTURE. MAINTAIN CURRENT LIGHTING SCHEME IN ROOM.
- GENERAL NOTES**
- ALL NEW MATERIAL IN CEILING SPACE TO BE PLENUM RATED.



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**E106**  
LEVEL 00 LIGHTING PLAN

MKC PROJECT: 24-011A





1 LEVEL 01 LIGHTING PLAN  
SCALE: 3/16" = 1'-0"

- CODED NOTES**
1. WIRE NEW LIGHTING FIXTURES TO EXISTING CORRIDOR LIGHTING CONTROLS.
  2. PROVIDE 3-WAY SWITCHING IN ROOM.
  3. PROVIDE DPST SWITCH ABOVE CEILING IN ACCESSIBLE LOCATION FOR VRF UNIT DISCONNECT.
- GENERAL NOTES**
1. ALL NEW MATERIAL IN CEILING SPACE TO BE PLENUM RATED.



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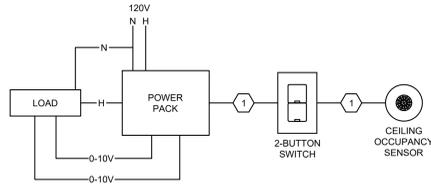
E108

LEVEL 01 LIGHTING PLAN

MKC PROJECT: 24-011A

### BRANCH PANEL: PLA (EXISTING)

LOCATION: BASE ELEC. VOLTS: 208Y/120V AIC RATING: --- LEGEND: \* = GFCI BREAKER NOTES: CONFIRM ALL ACTIVE LOADS  
FED FROM: (E)MSB PHASES: 3 MAINS TYPE: --- \*\* = LOCK-ON BREAKER PRIORITY TO NEW WORK  
MOUNTING: SURFACE WIRES: 4 MAINS RATING: 225A  
ENCLOSURE: TYPE 1 MCB RATING: MLO



### 1 LIGHTING CONTROL DIAGRAM

SCALE: NTS

NOTE: THIS IS A TYPICAL CONTROL LAYOUT FOR A ROOM WITH (1) CEILING OCCUPANCY SENSOR. REFER TO PLANS FOR EXACT NUMBER OF SWITCHES AND OCCUPANCY SENSORS.

CODED NOTES:  
1. CAT5e CABLE.

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT	
1	LIGHTING CLASSROOM 40	20 A	1	250	340			1	20 A	#12	LIGHTING CLASSROOM 32	2	
3	LIGHTING CLASSROOM 30	#12	20 A	1		455	540	1	20 A		POWER CLASSROOM 40	4	
5	POWER CLASSROOM 40	20 A	1				540	540	1	20 A	#12	CONFERENCE RECEPTACLES	6
7	OFFICE 010 RECEPTACLES	#12	20 A	1	720	540			1	20 A		TAX FLEX SPACE	8
9	POWER CLASSROOM 40	20 A	1			540	540	1	20 A	#12	BREAKROOM CONV. RECEPTS.	10	
11	CONFERENCE RECEPTACLES	#12	20 A	1			540	540	1	20 A		POWER CLASSROOM 32	12
13	ENG. FILE ROOM RECEPTACLES	#12	20 A	1	720	540			1	20 A	#12	GRAY WATER PUMP	14
15	POWER CLASSROOM 10	20 A	1			540	250	1	20 A		STAIR 2 LIGHTING	16	
17	BASEMENT RINC/CONF. LIGHTING	#12	20 A	1			155	250	1	20 A		CORRIDOR LIGHTING	18
19	LIGHTING RM 21, 23, 25	20 A	1	250	250				1	20 A		LIGHTING RM 02M, 02A, 24M	20
21	POWER CORRIDOR, RM 23	20 A	1			360	540	1	20 A	#12	CODE ENFORCEMENT RECEPTS.	22	
23	CITY INSPECTOR RECEPTACLES	#12	20 A	1			540	720	1	20 A	#12	OFFICE 020 RECEPTACLES	24
25	STAIR 1 LIGHTING	20 A	1	200	180				1	20 A		HVAC CONTROL PANEL	26
27	ELEVATOR CAB LIGHTING	20 A	1			150	180		1	20 A		HVAC CONTROL PANEL	28
29	POWER MICHELEC 24M	20 A	1				360	360	1	20 A		POWER MICHELEC 24M	30
31	ENG. FLEX POWER POLE 1	#12	20 A	1	720	500			1	20 A	#12	BREAKROOM FRIDGES	32
33	BREAKROOM DISHWASHER	#12	20 A	1		250	540	1	20 A		POWER CLASSROOM 21	34	
35	FIRE & VOICE ALARM PANEL	20 A	1			150	150	1	20 A		ELEVATOR PIT LIGHTING	36	
37	POWER CLASSROOM 22	20 A	1	720	540			1	20 A		POWER CLASSROOM 21	38	
39	POWER CLASSROOM 21	20 A	1			540	540	1	20 A		POWER RM X005C-25	40	
41	POWER CLASSROOM 21	20 A	1				540	360	1	20 A	#12	STORAGE RECEPTACLES	42
43	TECH OFFICES RECEPTACLES	#12	20 A	1	540	540			1	20 A	#12	DEVELOPMENT SERVICES RECEPTS.	44
45	CITY INSPECTOR QUAD RECEPT.	#12	20 A	1		360	540	1	20 A	#12	RESTROOM GFI	46	
47	ASSISTANT ENGINEER RECEPTS.	#12	20 A	1			360	720	1	20 A	#12	ENGINEERING MAIN OFFICE RECEPTS.	48
49	MEETING ROOM 001 RECEPTACLES	#12	20 A	1	540	600			1	20 A	#12	RADIANT HEATER	50
51	RADIANT HEATER	#12	20 A	1		600	600		1	20 A	#12	RADIANT HEATER	52
53	TECH OFFICES RECEPTACLES	#12	20 A	1			360	1150	1	20 A	#12	POWER PUMP PUMP RM 02M	54
55	POWER CORRIDOR	20 A	1	360	1080				1	20 A	#12	GRINDER PUMP 1	56
57	GARBAGE DISPOSAL	#12	20 A	1		1656	1080		1	20 A	#12	GRINDER PUMP 2	58
59	POWER ELEVATOR PIT	20 A	1			360	1080		1	20 A	#12	GRINDER PUMP 3	60
61	POWER ELEVATOR EQUIP. RM 02A	#12	20 A	1	360	270			1	20 A	#12	LIGHTING CLASSROOM 22	62
63	LIGHTING CLASSROOM 20	#12	20 A	1		270	270		1	20 A	#12	LIGHTING CLASSROOM 10	64
65	RESTROOM 012013 FAUCET	#12	20 A	1			20	720	1	20 A	#12	ENG. FLEX POWER POLE 2	66
67	SECURITY PANEL	20 A	1	150	720				1	20 A	#12	ENG. FLEX POWER POLE 3	68
69	CEILING RECPPTS. RM 040	20 A	1			360			1	20 A		SPARE	70
71	CEILING RECPPTS. RM 040	20 A	1				360	540	1	20 A		TABLES RM 10	72
73	CEILING RECPPTS. RM 040	20 A	1	360					1	20 A		SPARE	74
75	SPARE	20 A	1						1	20 A		SPARE	76
77	SPARE	20 A	1						1	20 A		SPARE	78
79	SPARE	20 A	1						1	20 A		SPARE	80
81	SPARE	20 A	1						1	20 A		SPARE	82
83	SPARE	20 A	1						1	20 A		SPARE	84
PHASE LOAD:					11900 VA	11701 VA	11395 VA						
PHASE AMPS:					99.9 A	97.5 A	95.0 A						
TOTAL LOAD:					35086 VA								
TOTAL AMPS:					97.4 A								

### POWER POLE SPECIFICATION

LEGRAND WIREMOLD 25DTP-4D, INDIVIDUAL POWER AND DATA COMPARTMENTS, KNOCKOUTS PROVIDED FOR MODULAR FURNITURE CONNECTIONS, WHITE FINISH. PROVIDE (1) POLE PER (2) CUBICLES. COORDINATE TERMINATION REQUIREMENTS WITH FURNITURE PROVIDER PRIOR TO ORDER.

### BRANCH PANEL: P1B (EXISTING)

LOCATION: 1ST ELEC. VOLTS: 208Y/120V AIC RATING: --- LEGEND: \* = GFCI BREAKER NOTES: CONFIRM ALL ACTIVE LOADS  
FED FROM: (E)MSB PHASES: 3 MAINS TYPE: --- \*\* = LOCK-ON BREAKER PRIORITY TO NEW WORK  
MOUNTING: SURFACE WIRES: 4 MAINS RATING: 225A  
ENCLOSURE: TYPE 1 MCB RATING: MLO

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT		
1	POWER VESTIBULE X100L	20 A	1	360	540			1	20 A		POWER RM 109, 115	2		
3	POWER RM X105C, 101	20 A	1			540	1500	1	20 A		MICROWAVE - CATERING RM 118A	4		
5	ADA POWER - VESTIBULE X100L	20 A	1				750	750	1	20 A	ADA POWER - VESTIBULE X100L	6		
7	TAX FLEX SPACE	#12	20 A	1	900	540			1	20 A	#12	TAX WAITING LOUNGE	8	
9	TAX RECEPTION	#12	20 A	1		720			1	20 A		SPARE	10	
11	PUBLIC COMMONS / TAX STORAGE	#12	20 A	1			900		1	20 A		SPARE	12	
13	POWER CORRIDOR X102C, X101L	20 A	1	540	750			1	20 A		ADA POWER - VESTIBULE X102L	14		
15	ADA POWER - VESTIBULE X102L	20 A	1			750	540	1	20 A		POWER COMMUNITY RM 120	16		
17	POWER COMMUNITY RM 120	20 A	1				540	540	1	20 A		POWER COMMUNITY RM 120	18	
19	POWER VENDING RM 118 / COFFEE	20 A	1	1000	540			1	20 A		POWER VENDING RM 118	20		
21	POWER VENDING RM 118	20 A	1			540	540	1	20 A		POWER CATERING RM 118A	22		
23	POWER CATERING RM 118A	20 A	1				540	720	1	20 A	#12	OFFICE RM 119	24	
25	SPARE	20 A	1		720				1	20 A	#12	OFFICE RM 114	26	
27	SPARE	20 A	1			360			1	20 A	#12	UTILITIES FLEX DESK 2	28	
29	UTILITIES FLEX DESK 4	#12	20 A	1				360	360	1	20 A	#12	UTILITIES FLEX DESK 1	30
31	OFFICE RM 117	#12	20 A	1	720	720			1	20 A	#12	OFFICE RM 116	32	
33	OFFICE 115	#12	20 A	1		720	540		1	20 A	#12	OFFICE RM 120	34	
35	AUDITORS / UTILITIES FLEX RECEPT.	#12	20 A	1			540		1	20 A		SPARE	36	
37	UTILITIES FLEX DESK 5	#12	20 A	1	360	1000			1	20 A		DISPOSAL - CATERING RM 118A	38	
39	UTILITIES FLEX DESK 3	#12	20 A	1		360	540		1	20 A		POWER RECEPTION DESK RM 101	40	
41	WATER COOLER - CORRIDOR X106C	20 A	1				750	150	1	20 A		SECURITY ACC. PANEL - VEST. X102L	42	
43	CHU - 1 - EAST VESTIBULE X102L	40 A	2	3000	625				2	20 A		HVAC UNITS	44	
45					3000	625							46	
47	CHU - 1 - STAIR 2 X142S	40 A	2			3000	625	2	20 A			HVAC UNITS	48	
49					3000	625							50	
51	HVAC UNITS	20 A	2		625	3000			2	40 A		CHU - 1 - WEST VESTIBULE X100L	52	
53							625	3000	1	20 A			54	
55	POWER VENDING RM 118	20 A	1	540					1	20 A		HVAC UNITS	56	
57	SPARE	20 A	1										58	
59	SPARE	20 A	1				150		1	20 A		FIRE ALARM PANEL RM 145M	60	
61	SPARE	20 A	1		250				1	20 A		LIGHTING CONTRACTOR RM 145M	62	
63	SPARE	20 A	1						1	20 A		SPARE	64	
65	SPARE	20 A	1						1	20 A		SPARE	66	
67	SPARE	20 A	1						1	20 A		SPARE	68	
69	SPARE	20 A	1						1	20 A		SPARE	70	
71	SPARE	20 A	1						1	20 A		SPARE	72	
73	SPARE	20 A	1						1	20 A		SPARE	74	
75	SPARE	20 A	1						1	20 A		SPARE	76	
77	SPARE	20 A	1						1	20 A		SPARE	78	
79	SPARE	20 A	1						1	20 A		SPARE	80	
81	SPARE	20 A	1						1	20 A		SPARE	82	
83	SPARE	20 A	1						1	20 A		SPARE	84	
PHASE LOAD:					16730 VA	14900 VA	14300 VA							
PHASE AMPS:					139 A	124 A	119 A							
TOTAL LOAD:					45930 VA									
TOTAL AMPS:					127 A									

### BRANCH PANEL: ML (EXISTING)

LOCATION: BASE ELEC. VOLTS: 208Y/120V AIC RATING: --- LEGEND: \* = GFCI BREAKER NOTES: CONFIRM ALL ACTIVE LOADS  
FED FROM: (E)MSB PHASES: 3 MAINS TYPE: --- \*\* = LOCK-ON BREAKER PRIORITY TO NEW WORK  
MOUNTING: SURFACE WIRES: 4 MAINS RATING: 225A  
ENCLOSURE: TYPE 1 MCB RATING: MLO

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT	
1	AIR DRYER	20 A	1	1500					1	20 A		SPARE	2
3	HOT WATER TANK	20 A	1		150	150			1	20 A		TRAP PRIMER	4
5	ELEVATOR PIT SUMP PUMP	20 A	1				1125		2	30 A		SPARE	6
7	HVAC UNIT - ELEVATOR RM 02A	20 A	2	600									8
9					600	415			2	20 A	#12	HVAC UNITS	10
11	SPARE	20 A	1				415		1	20 A		SPARE	12
13	SUMP PUMP CONTROLLER	#12	20 A	1	250				1	20 A		SPARE	14
15	RADON CIRCUIT	#12	20 A	1		150			1	20 A		SPARE	16
17	RADON CIRCUIT	#12	20 A	1			150		1	20 A		SPARE	18
19	SPARE	20 A	1						1	20 A		SPARE	20
21	SPARE	20 A	1						1	20 A		SPARE	22
23	SPARE	60 A	3						1	20 A		SPARE	24
25					1000		1000		2	15 A		VACUUM PUMP	26
27													28
29	AIR COMPRESSOR	25 A	2				2000		3	20 A		SPARE	30
31					2000								32
33	SPARE	30 A	2						1	20 A		SPARE	34
35									1	20 A		SPARE	36
37	CHU-1 - STAIR 1	40 A	2	3000					1	20 A		SPARE	38
39					3000				1	20 A		SPARE	40
41									1	20 A		SPARE	42
PHASE LOAD:					8350 VA	5465 VA	3690 VA						
PHASE AMPS:					69.6 A	45.5 A	30.8 A						
TOTAL LOAD:					17505 VA								
TOTAL AMPS:					48.6 A								

### LIGHT FIXTURE SCHEDULE

FIXTURE TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LIGHT SOURCE	LUMENS	CRI	COLOR TEMP	WATTS	VOLTS	NOTES
A	4" DOWNLIGHT	LITHONIA	LDN4 AL01 SWW1 L04 AR LSS MVOLT UGZ	LED	1000	80	3500K	13</		