17-13-0303-C(1) Type 1 Narrative & Plans – 2036-38 West Armitage Avenue, Chicago, IL

Proposed Zoning: B3-2 Community Shopping District

Lot Area: 6,406 sq. ft.

Proposed Land Use: The Applicant is proposing to establish a gym/health club at the subject property. The height and footprint of the existing one-story masonry building will remain without change. Only interior renovations are required to establish the proposed use within the 6,312 sq. ft. space. The subject property is a Transit Served Location and will not provide off-street parking. Pursuant to Sec. 17-13-0303-D optional Administrative Adjustment and Variation and pursuant to Secs. 17-13-1003-EE of the Chicago Zoning Ordinance, the Applicant is seeking to reduce the off-street parking requirement for a Transit Served Location to zero and is seeking all relief necessary, as allowed by the code, for the attached plans.

(A) The Project's Floor Area Ratio: 6,312 square feet (0.99 FAR)

(B) The Project's Density (Minimum Lot Area Per D.U.); No dwelling units proposed

(C) *The amount of off-street parking: zero

*The subject property is a designated Transit Served Location (Armitage Bus Route). Pursuant to Sec. 17-13-1003-EE, the Applicant is seeking to reduce the off-street parking requirement to zero.

(D) Setbacks:

a. Front Setback: 0 feet (existing)
b. Side Setbacks:
West Side: 0 feet (existing)
East Side: 0 feet (existing)
c. Rear Setback: 0 feet (existing)

(E) Building Height: 19 feet-7.63 inches (existing)

BUCKTOWN ASSEMBLY

2036 W ARMITAGE AVE, CHICAGO, IL 60647 | PIN: 14-31-139-025-0000

ISSUE FOR INTERNAL REVIEW | OCTOBER 21, 2025 | APP #

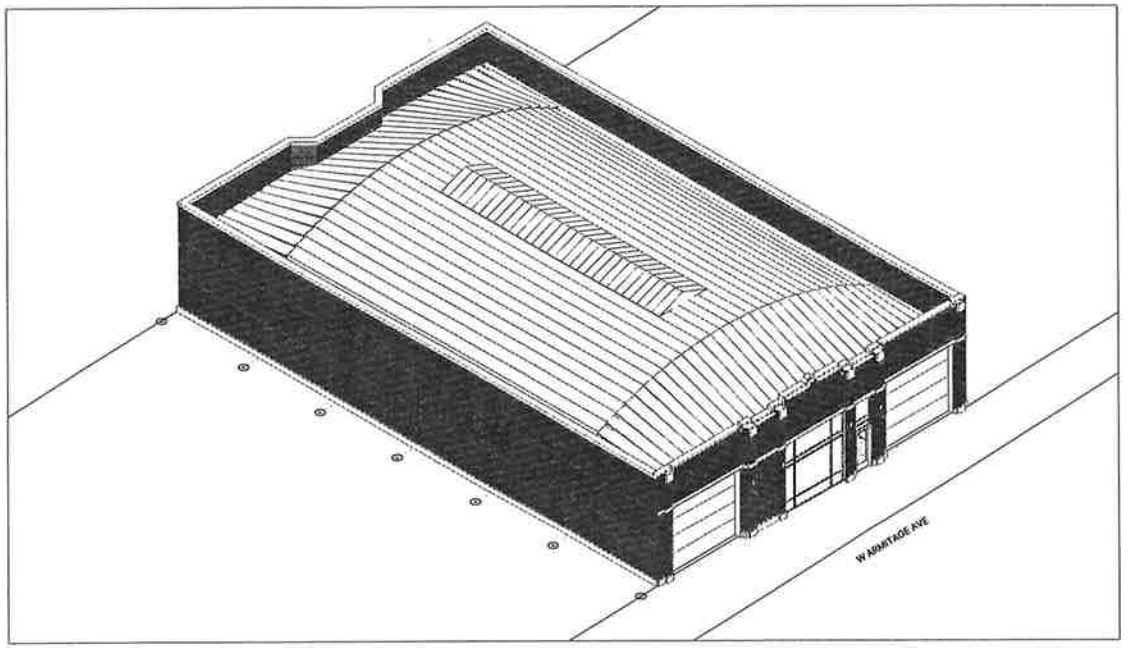
CLIENT
ERIK NELSON + ASHLEY DUNWELL
2038 W ARMITAGE AVE,
CHICAGO, IL 60647

ARCHITECT OF RECORD
LATENT DESIGN CORPORATION
1006 S. MICHIGAN AVE. SUITE 700
CHICAGO, IL 60605

PROJECT SCOPE
SC CPBC 2019
ZONING M1-1 | CONSTRUCTION TYPE III-B | OCCUPANCY B
INTERIOR RENOVATION FOR PERSONAL TRAINING BUSINESS. MEP SCOPE PER PLANS FOR THREE NEW BATHROOMS AND KITCHENETTE. NO EXTERIOR WORK. NO STRUCTURAL WORK.

PROJECT ADDRESS
2036 W ARMITAGE AVE, CHICAGO, IL 60647

PROJECT PIN
14-31-139-025-0000



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LATENT

NOT FOR CONSTRUCTION

BUCKTOWN ASSEMBLY

2036 W ARMITAGE AVE
CHICAGO, IL 60647

NO.	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	ED	ED

COVER SHEET

G-000

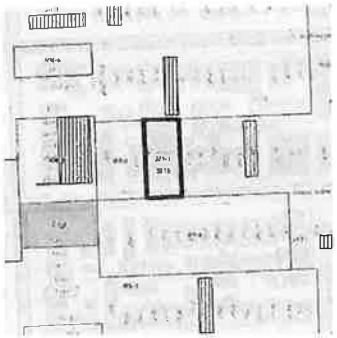
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SHEET LIST BY PHASE

	SHEET NAME	ISSUE FOR ZBA 10/	ISSUE FOR PERMIT	ISSUE FOR BID
		11/11/2025	11/11/2025	11/11/2025
COVER				
G-000	COVER SHEET	•		
GENERAL				
G-001	PROJECT INFO	•		
G-002	CODE REVIEW	•		
G-003	SITE PLAN AND SURVEY	•		
G-004	GENERAL NOTES	•		
G-005	SPECIFICATIONS	•		
G-010	ACCESSIBILITY	•		
DEMOLITION				
AD-100	FIRST FLOOR DEMOLITION PLAN	•		
AD-200	DEMOLITION ELEVATIONS	•		
ARCHITECTURAL				
A-100	FIRST FLOOR	•		
A-200	EXTERIOR ELEVATIONS	•		
A-300	BUILDING SECTIONS	•		
A-600	ENLARGED PLANS	•		
A-800	DETAILS	•		
A-901	SCHEDULES	•		
MECHANICAL				
M-100	MECHANICAL PLANS	•		
ELECTRICAL				
E-100	ELECTRICAL PLAN	•		
PLUMBING				
P-100	PLUMBING PLANS	•		
SHEET TOTAL: 18				



STREETVIEW
12" = 1'-0"



ZONING MAP
12" = 1'-0"



ALLEY VIEW
12" = 1'-0"



LOCATION MAP
12" = 1'-0"

GROSS BUILDING AREA

FLOOR	GROSS AREA
FIRST FLOOR	8,312 SF

SCOPE OF WORK:

SC CRBC 2019
ZONING M1-1 | CONSTRUCTION TYPE IB-B | OCCUPANCY B
INTERIOR RENOVATION FOR PERSONAL TRAINING BUSINESS. MEP SCOPE PER PLANS FOR THREE NEW BATHROOMS AND KITCHENETTE. NO EXTERIOR WORK. NO STRUCTURAL WORK.

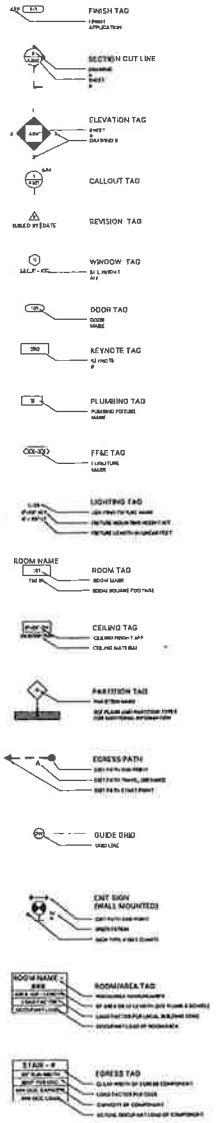
APPLICABLE CODE COMPLIANCE

- CURRENT CITY OF CHICAGO BUILDING CODE
- ASHRAE STANDARD 90.1-2010 (ENERGY)
- MUNICIPAL CODE OF CHICAGO
- CHICAGO ZONING ORDINANCE
- CHICAGO LAND USE ORDINANCE
- CURRENT ILLINOIS ACCESSIBILITY CODE*
- CURRENT ILLINOIS ENERGY CODE*
- CURRENT ILLINOIS ELECTRIC CODE*
- CURRENT 811NOIS PLUMBING CODE* (WITH LOCAL AMENDMENTS)*

ABBREVIATIONS

#	NUMBER
& / +	AND
@	AT
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AEC	ARCHITECTURE, ENGINEERING, CONSTRUCTION
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURE
AUTO	AUTOMATIC
AVG	AVERAGE
B/O	BY OTHERS
BO	BY OWNER
CAD	COMPUTER AIDED DRAFTING
CJ	CONTROL JOINT
CLG	CEILING
CLO(S)	CLOSET(S)
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONSLT	CONSULTANT
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COV	COVER
DD	DESIGN DEVELOPMENT
DEMO	DEMOLISH / DEMOLITION
DIV	DIVISION
DR	DOOR
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
EQP	EQUIPMENT
EQUIV	EQUIVALENT
EXIST	EXISTING
EXT	EXTERIOR
FBO	FURNISHED BY OTHERS
FF	FINISHED FLOOR / FINISHED FACE
FLR	FLOOR
FURN	FURNISH / FURNITURE
GC	GENERAL CONTRACTOR
GEN	GENERAL
GRD	GRADE / GRADING
GYP / GYP BD	GYPSUM BOARD
HDCP	HANDICAPPED / HANDICAP
HDR	HEADER
HDW	HARDWARE
HM	HOLLOW METAL
IAW	IN ACCORDANCE WITH
ILO	IN LIEU OF
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
JBOX	JUNCTION BOX
KD	KATHERINE DARNSTADT
LAUN	LAUNDRY
LDO	LIMITED DIMENSION DRAWING
LOM	LIST OF MATERIALS
MFD	MANUFACTURING
MFR	MANUFACTURER
MISC	MISCELLANEOUS
MLWK	MILLWORK
MTL	METAL
MULL	MULLION
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED / OWNER INSTALLED
OPT	OPTIONAL
PART	PARTITION
PLAM	PLASTIC LAMINATE
PLST	PLASTER
PLY	PLYWOOD
PROP	PROPERTY
PT	PAINT(ED)
PVC	POLYVINYL CHLORIDE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR / REFRIGERATION
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING / RELIEF OPENING
S	SOUTH
SBC	SUB-CONTRACTOR
SCHED	SCHEDULE
SDD	SCHEMATIC DESIGN DEVELOPMENT
SECT	SECTION
SHWR	SHOWER
SKL	SKYLIGHT
SPEC(S)	SPECIFICATION / SPECIFIED
STD(S)	STANDARD(S)
STL	STEEL
STOR	STORAGE
SW	SHEAR WALL
SYST	SYSTEM
TMATCH	TO MATCH EXISTING
TYP	TYPICAL
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITHOUT
WD	WOOD
WIC	WALK IN CLOSET

DRAWING TAGS



LATENT

NOT FOR CONSTRUCTION

BUCKTOWN ASSEMBLY

2038 W ARMITAGE AVE
CHICAGO, IL 60647

NO	DATE	DESCRIPTION

JOB NO	DRAWN BY	CHECKED BY
2516	ED	KD

PROJECT INFO

G-001

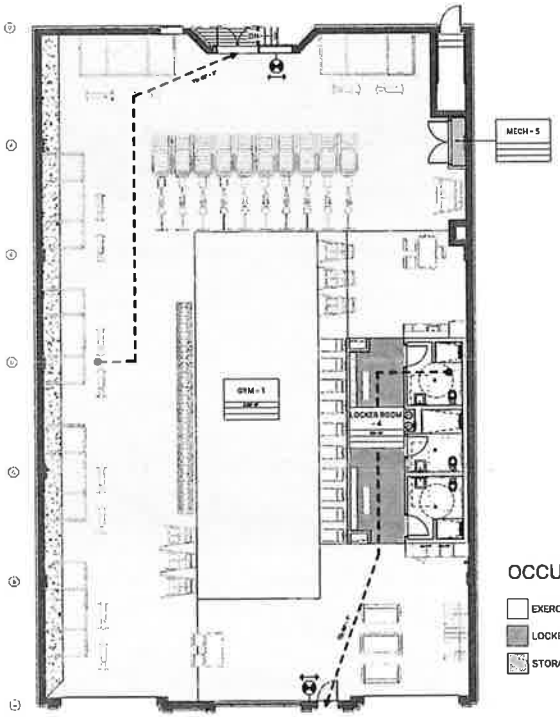
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CHICAGO ZONING ORDINANCE (CZO) REQUIREMENTS

ITEM	ISSUE	CHAPTER/ARTICLE	ORDINANCE REQUIREMENT	ACTUAL	REMARKS
PART 1 - ZONING REQUIREMENTS					
1.01	ZONING DISTRICT	CZO TITLE 17	M3-1		
1.02	LOT AREA			7,887.2 SF	
1.03	MAXIMUM FLOOR AREA RATIO		1.2	0.8	
1.04	TOTAL BUILDING AREA			6,313 SF	
1.05	BUILDING HEIGHT - # OF FLOORS			1 STORY	
1.06	MINIMUM YARDS		SEE BELOW:	SEE BELOW:	
	a) FRONT		0' - 0"	0' - 0"	
	b) SIDE		0' - 0"	0' - 0"	
	c) REAR		0' - 0"	0' - 0"	
1.07	GRADE ELEVATION (C.C.D.)				
1.08	OFF STREET LOADING		0	0	
1.09	OFF STREET PARKING		0	0	

CHICAGO BUILDING CODE (CBC) REQUIREMENTS

ITEM	ISSUE	CHAPTER/ARTICLE	ORDINANCE REQUIREMENT	ACTUAL	REMARKS
PART 2 - BUILDING REQUIREMENTS					
2.01	OCCUPANCY CLASSIFICATION(S)	3 (13-56) PAGE 113	OCCUPANCY M	OCCUPANCY B	
2.02	HEIGHT AREA LIMITATIONS	5 (13-48) PAGE 323	30' - 0"	24' - 0"	
	a) EXCEPTIONS TO AREA LIMITATIONS	5 (13-48-090) PAGE 325	45' - 0"	-	BLDG EQUIPPED WITH AUTOMATIC SPRINKLERS
	b) MIXED OCCUPANCY BUILDINGS	5 (13-48-100) PAGE 326	-	-	
2.03	TYPES OF CONSTRUCTION	6 (13-60) PAGE 328	CONSTRUCTION TYPE II-B	CONSTRUCTION TYPE II-B	
2.04	MIXED OCCUPANCY SEPARATIONS	3 (13-56-260) PAGE 118	-	-	
2.05	REQUIRED HOURS OF FIRE RESISTANCE	6 (13-60-100) PAGE 330	SEE BELOW:	SEE BELOW:	
	a) EXTERIOR BEARING WALLS	TABLE 6 (13-60-100)	2HR	2HR	
	b) EXTERIOR NON-BEARING WALLS	TABLE 6 (13-60-100)	1HR	1HR	
	c) INTERIOR BEARING WALLS	TABLE 6 (13-60-100)	2HRS	1HR	
	d) INTERIOR NON-BEARING WALLS	TABLE 6 (13-60-100)	SEE 2.10 BELOW	SEE 2.10 BELOW	
	e) EXTERIOR COLUMNS	TABLE 6 (13-60-100)	-	-	TYPE II-B CONSTRUCTION
	f) INTERIOR COLUMNS SUPPORTING ROOF ONLY	TABLE 6 (13-60-100)	-	-	TYPE II-B CONSTRUCTION
	g) INTERIOR COLUMNS	TABLE 6 (13-60-100)	-	-	TYPE II-B CONSTRUCTION
	h) BEAMS, GIRDERS, OR TRUSSES	TABLE 6 (13-60-100)	1HR		
	i) BEAMS SUPPORTING ROOF ONLY	TABLE 6 (13-60-100)	1HR		
	j) FLOOR CONSTRUCTION	TABLE 6 (13-60-100)	1HR		
	k) ROOF CONSTRUCTION	TABLE 6 (13-60-100)	2HRS		
2.06	ELEVATOR FRAMING	8 (13-60-130) PAGE 331	-	-	
2.07	MEZZANINE FLOORS	8 (13-60-190) PAGE 333	-	-	
2.08	BASEMENT CONSTRUCTION	5 (13-60-170) PAGE 332	-	-	NOT IN SCOPE
2.09	DRIVEWAYS AND LOADING SPACES	6 (13-60-210) PAGE 332	-	-	
2.10	FIRE-RESISTIVE REQUIREMENTS	7 (13-6) PAGE 335	SEE BELOW:	SEE BELOW:	
	a) FIRE WALLS - CONSTRUCTION	7 (13-6-070) PAGE 335			
	b) PARAPETS	7 (13-6-150) PAGE 335 & 336			
	c) STAIRWAY ENCLOSURES	7 (13-6-140) PAGE 337	-	-	
	d) ELEVATOR ENCLOSURES	7 (13-6-150) PAGE 337	-	-	
	e) ENCLOSURE OF HEATING ROOMS	7 (13-6-180) PAGE 338	-	-	
	f) ENCLOSURE OF WELLS AND CHUTES	7 (13-6-170) PAGE 338	-	-	
	g) OTHER ENCLOSURES	7 (13-6-240) PAGE 338	-	-	
	ENCLOSURES OF PIPE SHAFTS	7 (13-6-190) PAGE 338			
	h) INTERIOR WALL AND CEILING FINISHES	7 (13-6-430) PAGE 347			
	i) STORAGE ROOMS OVER 100SF	7 (13-6-380)(B) PAGE 339	-	-	
2.11	FIRE-RESISTIVE MATERIALS AND CONSTRUCTION	3 (13-13) PAGE 348	HEAVY TIMBER CONSTRUCTION		TYPE III CONSTRUCTION DECKS
2.12	ACCEPTED ENGINEERING PRACTICE - RECOGNIZED AGENCIES	3 (13-13-030)	ASA, ASTM, NBFU, NBS, NFPA, UL	ASA, ASTM, NBFU, NBS, NFPA, UL	
2.13	FIRE PROTECTION EQUIPMENT	8 (13-16) PAGE 361	SEE BELOW:	SEE BELOW:	
	a) SPRINKLER SYSTEMS	8 (13-16-151) PAGE 362	-	NO SPRINKLER SYSTEM	
	b) SPECIAL REQUIREMENT	8 (13-16-152) PAGE 363	-	-	
PART 3 - EXIT REQUIREMENTS					
3.01	TYPES OF EXITS	10 (13-160-040) PAGE 388	PATH OF TRAVEL	PATH OF TRAVEL	
3.02	MINIMUM NUMBER OF EXITS	10 (13-160-050) PAGE 388	2	2	
3.03	TRAVEL DISTANCE TO EXITS	10 (13-160-110) PAGE 389	75 FT	SEE EXITING / OCCUPANCY PLANS	
	a) INCREASES PERMITTED	10 (13-160-150) PAGE 390	115 FT		BLDG EQUIPPED WITH AUTOMATIC SPRINKLERS
	b) DEAD END CORRIDOR	10 (13-160-160) PAGE 390	10 FT	SEE EXITING / OCCUPANCY PLANS	
3.04	CAPACITY OF EXITS	10 (13-160-210) PAGE 390	STAIRS: 60 PER UNIT; DOORS: 60 PER UNIT		
3.05	MINIMUM WIDTH OF EXITS	10 (13-160-220) PAGE 391	3'-0" DOORS, 3'-6" STAIR OR CORRIDORS	3'-0" DOORS, 3'-6" STAIR OR CORRIDORS	
3.06	SWING OF EXIT DOORS	10 (13-160-230) PAGE 391	DIRECTION OF TRAVEL	DIRECTION OF TRAVEL	
3.07	HARDWARE	10 (13-160-250) PAGE 393	NOT KEYED IN DIRECTION OF TRAVEL	NOT KEYED IN DIRECTION OF TRAVEL	
3.08	REVOLVING DOORS	10 (13-160-270) PAGE 393	-	-	N/A TO PROJECT
3.09	LANDINGS	10 (13-160-310) PAGE 394	LENGTH EQUAL TO STAIR WIDTH, MIN. 44"	SEE PLANS	LENGTH NOT REQUIRED TO BE MORE THAN 48"
3.10	HANDRAILS	10 (13-160-320) PAGE 394	BOTH SIDES, UNLESS STAIR <44" WIDTH	BOTH SIDES	2'-10" TO 3'-2" ABOVE FLOOR, RETURN TO WALL
3.11	CONSTRUCTION (STAIRS)	10 (13-160-330) PAGE 394	NON-COMBUSTIBLE	NON-COMBUSTIBLE	
3.12	ENCLOSURE (EXIT CORRIDOR)	7 (13-6-140) PAGE 337			
3.13	HEAD ROOM	10 (13-160-350) PAGE 394	7'-0" CLEAR MINIMUM	7'-0" CLEAR MINIMUM	



OCCUPANCY LEGEND

- EXERCISE W/ EQUIPMENT
- LOCKER ROOM
- STORAGE, ACCESSORY

FIRST FLOOR OCCUPANCY + EGRESS 1/8" = 1'-0" 1

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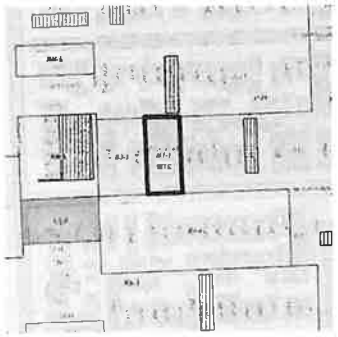
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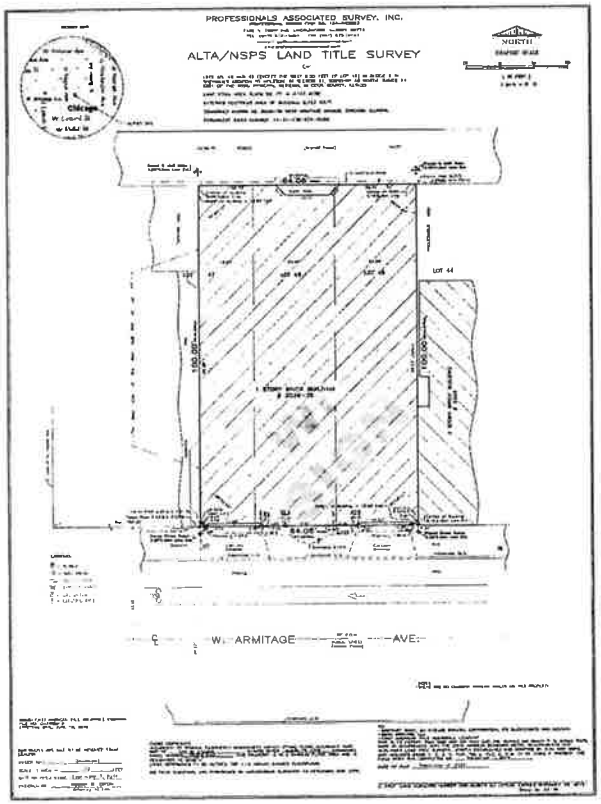
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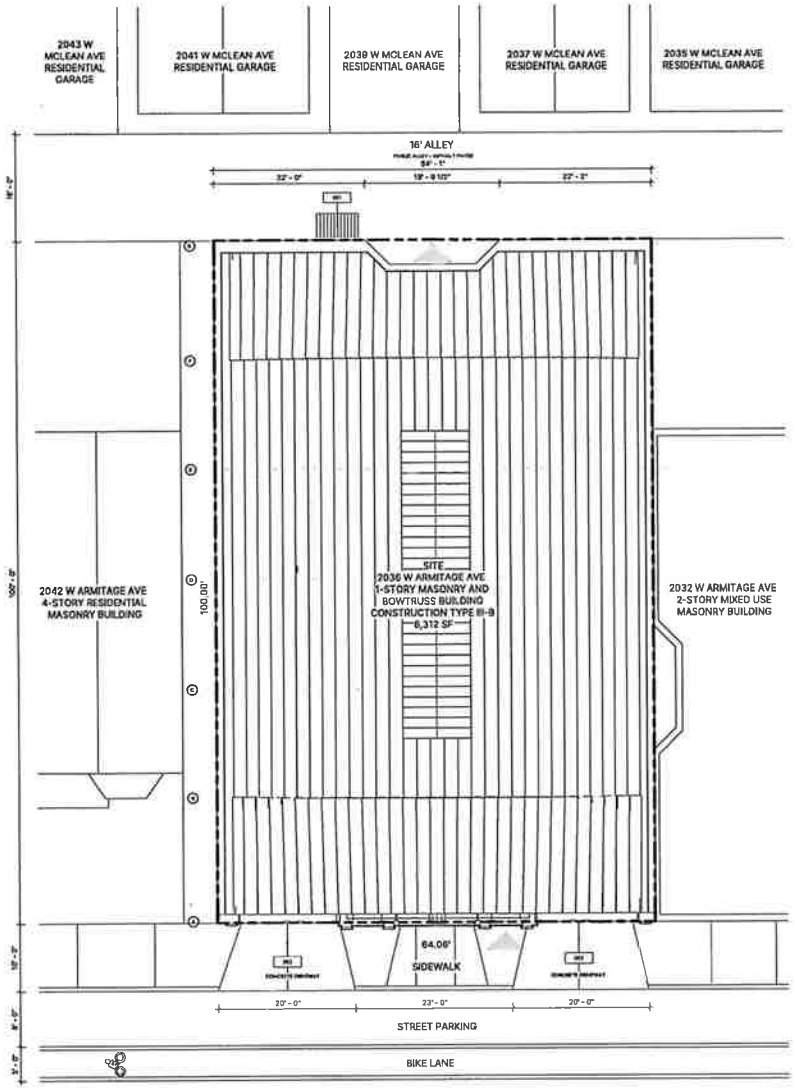
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ZONING MAP
12" = 1'-0"





SITE PLAN
1/8" = 1'-0"

SITE PLAN NOTES

BUILDING ORIENTATION AND SETBACKS:
1. 0' - 0" FRONT SETBACK
2. 0' - 0" REAR SETBACK
3. 0' - 0" SIDE SETBACK

BUILDING BULK AND SCALE:
1. EXISTING 1-STORY MASONRY + BOWTRUSS BUILDING
2. AVAILABLE FAR: 1.2 / 7,587.2 SF
3. ACTUAL FAR: 0.9 / 6,312 SF

CURB CUTS:
1. TWO (2) 20' - 0" WIDE EXISTING CURB CUTS

SIDEWALKS:
1. 10' - 0" SIDEWALK WIDTH, PEDESTRIAN STREET

PARKING AND LOADING AREAS:
1. NO ONSITE PARKING SPACES
2. NO ONSITE LOADING SPACES

USEABLE ONSITE OPEN SPACE:
1. NO ONSITE OPEN SPACE AVAILABLE OR REQUIRED

GARBAGE STORAGE FACILITIES:
1. GARBAGE TOTE CONTAINERS PROVIDED IN ALLEY

KEYNOTES

001 EXISTING GARBAGE RECEPTACLE LOCATION
002 EXISTING VEHICLE ENTRANCE

SITE PLAN LEGEND

EGRESS ENTRY/EXIT

KEYNOTE TAG
KEYNOTE #

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SITE PLAN AND SURVEY

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GENERAL REQUIREMENTS

INTENT
1. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE BASIS FOR THE PROPER COMPLETION OF THE PROJECT SUITABLE FOR THE INTENDED USE OF THE OWNER.
2. ITEMS NOT EXPRESSLY SET FORTH BUT WHICH ARE REASONABLY IMPLIED OR NECESSARY FOR THE PROPER PERFORMANCE OF THIS WORK SHALL BE INCLUDED.

CUTTING AND PATCHING
1. PROVIDING CUTTING AND PATCHING WORK TO PROPERLY COMPLETE THE PROJECT.
2. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT WRITTEN APPROVAL.
3. CUT WITH TOOLS APPROPRIATE FOR MATERIALS TO BE CUT.
4. PATCH WITH MATERIALS AND METHODS TO PRODUCE PATCH WHICH IS NOT VISIBLE FROM A DISTANCE OF (5) FEET.
5. DO NOT CUT AND PATCH IN A MANNER THAT WOULD RESULT IN A FAILURE OF THE WORK TO PERFORM AS INTENDED, DECREASE FIRE PERFORMANCE, DECREASE ACOUSTICAL PERFORMANCE, DECREASE ENERGY PERFORMANCE, DECREASE OPERATIONAL LIFE OR DECREASE SAFETY FACTORS.

PROJECT MEETINGS
1. ARRANGE FOR A PRE-CONSTRUCTION CONFERENCE PRIOR TO START OF CONSTRUCTION. MEETING SHALL BE ATTENDED BY THE OWNER, ARCHITECT, CONTRACTOR, AND MAJOR SUBCONTRACTORS.
2. ARRANGE FOR PROGRESS MEETINGS ONCE A MONTH DURING CONSTRUCTION PRIOR TO APPLICATION FOR PAYMENT, RECORD MINUTES, AND DISTRIBUTE PROMPTLY.

SUBMITTALS
1. SUBMIT FOR REVIEW ALL SUBMITTALS LISTED IN INDIVIDUAL SECTIONS WITH THE FOLLOWING NUMBER OF COPIES:
   A. SHOP DRAWINGS, REVIEWED AND ANNOTATED BUT CONTRACTOR (2) COPIES PLUS REPRODUCIBLE
   B. PRODUCT DATA (3) COPIES
   C. SAMPLES (3) SETS PLUS RANGE SAMPLES WHERE APPLICABLE
   D. TEST REPORTS (3) COPIES
   E. WARRANTIES (3) COPIES
   F. OTHER SUBMITTALS (3) COPIES
2. INCLUDE DETAILS OF CONSTRUCTION AND ADJACENT CONSTRUCTION IN SHOP DRAWINGS, CLEARLY INDICATE ANY DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. FABRICATE MATERIALS FROM REVIEWED SHOP DRAWINGS ONLY.
4. ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLE SUBMITTALS SHALL CONTAIN THE FOLLOWING INFORMATION: SEQUENTIALLY NUMBER THE TRANSMITTAL FORMS. RE-SUBMITTALS TO HAVE ORIGINAL NUMBER WITH AN ALPHABETIC SUFFIX.
5. IDENTIFY PROJECT, CONTRACTOR, SUBCONTRACTOR OR SUPPLIER, PERTINENT DRAWING SHEET AND DETAIL NUMBER(S) AND SPECIFICATION SECTION AS APPROPRIATE.
6. APPLY CONTRACTORS STAMP, SIGNED OR INITIALED CERTIFYING THAT REVIEW, VERIFICATION OR PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION WORK, AND COORDINATION OF INFORMATION, IS IN ACCORDANCE WITH CONSTRUCTION WORK, AND COORDINATION OF INFORMATION, IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK AND CONTRACT DOCUMENTS. CONTRACTORS REVIEW MUST OCCUR PRIOR TO SUBMITTAL TO ARCHITECT.
7. PROVIDE (1) SET OF REPRODUCIBLE DIGITAL DRAWINGS AND (2) SETS OF HARD COPIES TO THE ARCHITECT FOR REVIEW PRIOR TO THE FABRICATION. FAXED COPIES WILL NOT BE ACCEPTABLE UNDER ANY CONDITION AND WILL BE RETURNED WITHOUT REVIEW.

QUALITY ASSURANCE
1. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY US IN SIMILAR SERVICE FOR (3) YEARS.
2. USE EXPERIENCED INSTALLERS WITH PROOF OF (3) SIMILAR PROJECTS SUCCESSFULLY COMPLETED. FURNISH EVIDENCE OF EXPERIENCE IF REQUESTED.
3. DELIVER, HANDLE AND STORE MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS.
4. USE OF ANY SUPPLIER OR SUBCONTRACTOR IS SUBJECT TO OWNERS APPROVAL.
5. ENGAGE AND PAY FOR TESTING AGENCIES AS REQUIRED. REFER TO INDIVIDUAL SECTIONS FOR ADDITIONAL REQUIREMENTS.

TEMPORARY FACILITIES
1. PROVIDE TEMPORARY FACILITIES AND CONNECTIONS AS REQUIRED FOR THE PROPER COMPLETION OF THE PROJECT.
2. PROVIDE AND MAINTAIN TEMPORARY UTILITY SERVICE
3. METER AND PAY FOR UTILITY SERVICE. DO NOT WASTE
4. PROVIDE TEMPORARY PROTECTION FOR ADJACENT AREAS TO PREVENT CONTAMINATION BY CONSTRUCTION DUST AND DEBRIS.
5. PROVIDE TEMPORARY BARRICADES AS NECESSARY TO ENSURE PROTECTION OF THE PUBLIC.
6. PROVIDE SUITABLE WASTE DISPOSAL UNITS AND EMPTY REGULARLY. DO NOT PERMIT ACCUMULATION OF WASTE MATERIALS.
7. WHENEVER POSSIBLE RECYCLE CONSTRUCTION DEBRIS TO DIVERT FROM LANDFILL.
8. PROVIDE TEMPORARY SANITARY FACILITES AS NEEDED.
9. USE OF DESIGNATED SANITARY FACILITIES IN THE BUILDING IS ACCEPTABLE WITH APPROVAL BY OWNER.
10. MAINTAIN EGRESS WITHIN AND AROUND CONSTRUCTION AREAS.
11. MAINTAIN FIRE ALARM SYSTEMS IN OPERATION DURING CONSTRUCTION.
12. PROVIDE FORE EXTINGUISHERS IN WORK AREAS DURING CONSTRUCTION.
13. PROVIDE TEMPORARY PROTECTION FRO ADJACENT CONSTRUCTION. PROMPTLY REPAIR ANY DAMAGE AT NO ADDITIONAL COST TO THE OWNER.

PRODUCT AND SUBSTITUTIONS
1. PROVIDE PRODUCTS AND MATERIALS SPECIFIED. REQUEST ARCHITECTS SELECTION OF COLORS AND ACCESSORIES IN SUFFICIENT TIME TO AVOID DELAYING PROGRESS OF THE WORK.
2. SUBMIT REQUESTS FOR SUBSTITUTIONS SHALL BE IN WRITING, INCLUDING REASONS, AND SUBMIT SUFFICIENT INFORMATION FOR ARCHITECT TO EVALUATE PROPOSED SUBSTITUTIONS.
3. REMOVE AND REPLACE WORK WHICH DOES NOT CONFORM TO THE CONTRACT DOCUMENTS AT NO ADDITIONAL EXPENSE TO THE OWNER.

INSTALLATIONS
1. INSPECT SUBSTRATES AND REPORT UNSATISFACTORY CONDITIONS IN WRITING.
2. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
3. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATIONS WHERE PRACTICAL. FORM TO REQUIRE SHAPES AND SIZES WITH THEIR EDGES, LINES AND ANGLES. PROVIDE INSERTS AND TEMPLATES AS NEEDED FOR WORK OF OTHER TRADES.
4. INSTALL MATERIALS IN EXACT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND REVIEWED SUBMITTALS.
5. INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH PROPER APPEARANCE.
6. RESTORE UNITS DAMAGED DURING INSTALLATION. REPLACE UNITS WHICH CANNOT BE STORED AT NO ADDITIONAL EXPENSE TO THE OWNER.
7. REFER TO ADDITIONAL INSTALLATION REQUIREMENTS AND TOLERANCES SPECIFIED UNDER INDIVIDUAL SPECIFICATION SECTIONS.

CLOSEOUT
1. PREPARE PUNCH LIST FOR REMAINING WORK FOR REVIEW BY THE ARCHITECT.
2. COMPLETE PUNCH LIST ITEMS PROMPTLY AT NO ADDITIONAL COST TO THE OWNER.
3. SUBMIT ACCURATE RECORD DOCUMENTS OF BUILDING AND SITE.
4. SUBMIT OPERATING MANUALS, MAINTENANCE MANUALS, AND WARRANTY INFORMATION.
5. OBTAIN AND SUBMIT COPY OF OCCUPANT PERMITS.
6. TRAIN OWNER IN USE OF BUILDING SYSTEMS.
7. REMOVE TEMPORARY FACILITIES AND PROVIDE FINAL CLEANING AND TOUCH UP.
8. RESTORE PORTIONS OF BUILDING, SITE IMPROVEMENTS LANDSCAPING AND OTHER ITEMS DAMAGED BY CONSTRUCTION OPERATIONS TO THE SATISFACTION OF THE ARCHITECT AT NO ADDITIONAL EXPENSE ON THE OWNER.

GENERAL NOTES

GENERAL NOTES
1. GENERAL CONTRACTORS AND SUB-CONTRACTORS SHALL COMPLY WITH ALL CITY OF CHICAGO, STATE AND NATIONAL CODES AND ORDINANCES.
2. MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD, A CERTIFICATE OF INSURANCE FOR ALL LIABILITIES, WITH A HOLD HARMLESS CLAUSE, PROTECTING THE OWNER AND ARCHITECT.
3. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS, POLICIES AND PROCEDURES OF THE OWNER.
4. ALL WORK SHALL BE OF THE HIGHEST QUALITY FOLLOWING THE CONTRACT DOCUMENTS, PROJECT SPECIFICATIONS AND RECOMMENDATIONS, AND THE BEST ACCEPTED TRADE PRACTICES AND STANDARDS.
5. THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL DESIGN CONCEPT, DIMENSIONS, MAJOR ELEMENTS AND MATERIALS. THESE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL COMPLETION OF THE PROJECT. THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL FURNISH ALL OF THOSE ITEMS AND LABOR REQUIRED FOR THE FULL COMPLETION OF THIS PROJECT. ACCEPTANCE BY THE OWNER SHALL BE CONDITIONS OF THE CONTRACT.
6. THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL REQUIREMENTS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.
7. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE ELEMENTS FROM DAMAGE DUE TO THE CONSTRUCTION OPERATION, AND REPAIR OR REPLACE ANY ELEMENTS DAMAGED DURING THE PROJECT.
8. DRAWINGS AND SPECIFICATIONS ARE TO BE ISSUED SUB-CONTRACTORS IN COMPLETE SETS SO THAT THE FULL EXTENT OF THE WORK IS SHOWN AND COORDINATION OF WORK IS MADE POSSIBLE.
9. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL INCOMING UTILITIES.

DIMENSIONS
1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN. THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SIZE DIFFERENT THAN ORIGINALLY DRAWN. DO NOT SCALE DRAWINGS.
2. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CREATE LAYOUT PRIOR TO ERECTING ANY WALLS. ANY DIMENSIONAL DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO WALL CONSTRUCTION.
3. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND CONDITIONS BEFORE EXECUTION OF ANY WORK, AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING.
4. ALL DIMENSIONS OF WALLS ARE GIVEN TO THE CENTER OF THE WALL ASSEMBLY, UNO
5. ALL DIMENSIONS ARE TO CENTER LINE OF COLUMN, UNO
6. GENERAL CONTRACTOR TO COORDINATE WALL BACKING REQUIREMENTS WITH INTERIOR ELEVATIONS
7. ALL VERTICAL DIMENSIONS ARE NOTED FROM TOP OF FINISHED FLOOR (AFF)
8. CENTERLINE OF NEW WALL PARTITIONS SHALL ALIGN W/ CENTERLINE OF PERIMETER COLUMNS AND WINDOW MULLIONS, TYPICAL, UNLESS NOTED OTHERWISE, OR ALIGNED WITH AN EXISTING ELEMENT TO REMAIN
9. THE CONTRACTOR SHALL PROVIDE AND COORDINATE A "CHALK LINE" PARTITION LAYOUT FOR THE ARCHITECT AND OWNER TO APPROVE PRIOR TO THE INSTALLATION OF PARTITION FRAMING

COORDINATION
1. REFER TO ALL DRAWINGS AND SPECIFICATIONS FOR FULL COORDINATION OF WORK.
2. REFER TO SITE SURVEY FOR SITE INFORMATION. CONTRACTOR TO VERIFY ALL INFORMATION.
3. SEE STRUCTURAL DRAWINGS FOR RECESSED SLAB LOCATIONS
4. GENERAL CONTRACTOR TO COORDINATE WITH ALL MEP DRAWINGS
5. COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR EXACT SIZE AND LOCATION OF 4" HIGH CONCRETE HOUSEKEEPING PADS

[illegible]

8. REFER TO MEP / FP DRAWINGS FOR EXTENT OF CONCRETE EQUIPMENT PADS. THE CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF THE CONCRETE PADS WITH THE EQUIPMENT INSTALLER.
9. THE GENERAL CONTRACTOR'S SUB-CONTRACTORS SHALL COMPLETELY HOOK-UP AND CONNECT ALL EQUIPMENT AND FURNISH ALL NECESSARY APPENDAGES. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL.

[illegible]

CODES AND STANDARDS

[illegible]

GENERAL CONDITIONS

1. THE AIA DOCUMENT A201-2007, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, SHALL PROVIDE THE GUIDING TERMS AND CONDITIONS FOR THE CONSTRUCTION PHASE OF THIS PROJECT, UNLESS OTHERWISE INDICATED, MODIFIED OR EXPOUNDED UPON IN THE CONTRACT DOCUMENTS FOR THIS PROJECT. CAPITALIZED WORDS (OTHER THAN STATED CODES) ARE DEFINED OR SPECIFICALLY REFERRED TO IN THE A201-2007 AND RELATED FAMILY OF DOCUMENTS

II. CONTRACTOR RESPONSIBILITIES

[illegible]

GENERAL CONDITIONS

III. GENERAL NOTES
1. REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
2. DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION NOT SHOWN. CONSULT WITH THE ARCHITECT.
3. ALL HORIZONTAL DIMENSIONS TO BE TAKEN FROM FINAL FINISHED FACE OF WALL AND ARE INTENDED AS CLEAR OR TOTAL OUT TO OUT, UNLESS NOTED OTHERWISE.
4. ALL VERTICAL DIMENSIONS TO BE TAKEN RELATIVE TO TOP OF FINISHED FLOOR, 0'-0" UNLESS NOTED OTHERWISE.
5. FINISH FLOOR ELEVATIONS ARE TO TOP OF FINAL FINISH, UNLESS NOTED OTHERWISE.
6. FIELD MEASURE AND CONFIRM EXISTING DIMENSIONS TO THOSE PROVIDED ON PLANS. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND WAIT FOR DIRECTION BEFORE CONTINUING WORK ASSOCIATED WITH DISCREPANCY.
7. ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
8. PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A PARTITION ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
9. OPENINGS IN RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH UL RATED PENETRATION SEALANT SYSTEMS MEETING OR EXCEEDING THE REQUIRED FIRE RESISTIVE RATINGS.
10. PROVIDE CONTINUOUS PERIMETER FIRE BARRIER SYSTEM BETWEEN FLOORS AND COORDINATE THE INSTALLATION WITH THE EXTERIOR WALL. FIRE RATING OF FIRE BARRIER SYSTEM SHALL MATCH FIRE RATING OF FLOOR CONSTRUCTION.
11. MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.
12. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND BLOCKING REQUIRED FOR, INCLUDING BUT NOT LIMITED TO: SECURE INSTALLATION OF DOOR HARDWARE INCLUDING WALL-MOUNTED DOOR STOPS, WALL-MOUNTED SHELVES AND OTHER MILLWORK, TOILET ROOM ACCESSORIES, MISCELLANEOUS EQUIPMENT, AND SUSPENDED MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
13. CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED WALL / CEILING / FLOOR ACCESS PANELS FOR ALL MEP SYSTEMS WITHIN BID. ACCESS PANELS TO MATCH WALL FINISH OR BE METALLIC, PENDING OWNER'S APPROVAL. NO CHANGE IN CONTRACT AMOUNT WILL BE ACCEPTED FOR REQUIRED ACCESS PANELS AND THEIR INSTALLATION.
14. COORDINATE INSTALLATION OF DIFFUSERS, SPEAKERS, SPRINKLER HEADS, AND ACCESS PANELS WITH LIGHTING LAYOUT. REPORT ANY CONFLICTS TO THE ARCHITECT PRIOR TO INSTALLATION.
15. EXIT SIGNS AND SMOKE DETECTORS LOCATED IN HARD CEILINGS SHALL BE POSITIONED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND SHALL BE CENTERED IN CORRIDORS AND LOCATED A DISTANCE OF 1'-0" MINIMUM FROM THE WALL TO THE CENTER OF THE FIXTURE UNLESS NOTED OTHERWISE.
16. FULLY LAY OUT GRID, WALL, AND OPENING PLACEMENT IN AN AREA PRIOR TO START OF PARTITION CONSTRUCTION. VERIFY THAT DIMENSIONS ARE CONSISTENT WITH REQUIREMENTS INDICATED IN THE DOCUMENTS. REFER ANY DIMENSIONAL INCONSISTENCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO THE START OF PARTITION CONSTRUCTION.
17. LEVEL FLOORS THAT EXCEED 1/8" VARIANCE IN A 10'-0" RADIUS.
18. GANG MULTIPLE SWITCHES TOGETHER INTO ONE BOX WITH A SINGLE COVER PLATE WHENEVER POSSIBLE. MULTIPLE SWITCHES, WHICH CANNOT BE GANGED TOGETHER IN THE SAME BOX, SHALL BE LOCATED AS CLOSE TOGETHER AS POSSIBLE AND MOUNTED AT THE SAME HEIGHT.
19. WALL OUTLETS SHALL BE INSTALLED AT 20" AFF TO CENTER OF BOX UNLESS NOTED OTHERWISE. INSTALL SWITCH PLATES AT 42" AFF UNLESS NOTED OTHERWISE. REFER TO OTHER TYPICAL MOUNTING HEIGHTS PROVIDED ON G-004.
20. DO NOT INSTALL OUTLET OR J-BOXES BACK-TO-BACK ON OPPOSITE SIDES OF THE WALL. A STUD MUST SEPARATE BOXES.
21. CAULK FLOOR AND WALL OUTLETS WITH AN ACOUSTIC SEALANT.
22. PROVIDE 3/4" MOVEMENT AT THE TOP OF PARTITIONS THAT GO TO THE UNDERSIDE OF DECK OR STRUCTURE.

SHOP DRAWINGS

ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLE SUBMITTALS SHALL CONTAIN THE FOLLOWING INFORMATION:
1. SEQUENTIALLY NUMBER THE TRANSMITTAL FORMS. RE-SUBMITTALS TO HAVE ORIGINAL NUMBER WITH AN ALPHABETIC SUFFIX.
2. IDENTIFY PROJECT, CONTRACTOR, SUBCONTRACTOR OR SUPPLIER, PERTINENT DRAWING SHEET AND DETAIL NUMBER(S) AND SPECIFICATION SECTION AS APPROPRIATE.
3. APPLY CONTRACTORS STAMP, SIGNED OR INITIALED CERTIFYING THAT REVIEW, VERIFICATION OR PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION WORK, AND COORDINATION OF INFORMATION, IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK AND CONTRACT DOCUMENTS. CONTRACTORS REVIEW MUST OCCUR PRIOR TO SUBMITTAL TO ARCHITECT.
4. SCHEDULE SUBMITTALS TO EXPEDITE THE PROJECT, AND DELIVER TO GENERAL CONTRACTOR AT BUSINESS ADDRESS, COORDINATE SUBMISSION OF RELATED ITEMS.
5. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT OR SYSTEM LIMITATIONS WHICH MY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF THE COMPLETED WORK.
6. PROVIDE SPACE FOR CONTRACTOR AND ARCHITECT / ENGINEER REVIEW STAMPS.
7. REVISE AND RESUBMIT SUBMITTALS TO CONCERNED PARTIES. INSTRUCT PARTIES TO PROMPTLY REPORT ANY INABILITY TO COMPLY WITH PROVISIONS.
8. PROVIDE (1) SET OF REPRODUCIBLE DIGITAL DRAWINGS AND (2) SETS OF HARD COPIES TO THE ARCHITECT FOR REVIEW PRIOR TO THE FABRICATION. FAXED COPIES WILL NOT BE ACCEPTABLE UNDER ANY CONDITION AND WILL BE RETURNED WITHOUT REVIEW.
9. SUBMIT THE NUMBER OF COPIES WHICH THE OWNER REQUIRES, PLUS (2) COPIES WHICH WILL BE RETAINED BY THE ARCHITECT / ENGINEER. MARK EACH COPY TO IDENTIFY APPLICABLE PRODUCTS, MODELS, OPTIONS, AND OTHER DATA. SUPPLEMENT MANUFACTURERS' STANDARD DATA TO PROVIDE INFORMATION UNIQUE TO THIS PROJECT.

INTERIOR MATERIAL COMPLIANCE

A. MATERIALS USED FOR INTERIOR WALL AND CEILING FINISHES AND INTERIOR TRIM CONFORM TO CHAPTERS 803.13 OF THE 2019 CHICAGO BUILDING CODE FOR CLASS A-3 ASSEMBLY:
   1. ALL MATERIALS IN INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT APSSAGEWAYS AND INTERIOR PORTIONS OF THE EXIT DISCHARGE DO NOT EXCEED CLASS A; WITH A FLAME SPREAD RATING NO GREATER THAN 25 AND SMOKE DEVELOPED NOT EXCEEDING 450.
   2. ALL MATERIALS IN CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS DO NOT EXCEED CLASS B; WITH A FLAME SPREAD RATING NO GREATER THAN 75 AND SMOKE DEVELOPED NOT EXCEEDING 450.
   3. ALL MATERIALS IN ROOMS AND ENCLOSED SPACES DO NOT EXCEED CLASS C; WITH A FLAME SPREAD RATING NO GREATER THAN 200 AND SMOKE DEVELOPED NOT EXCEEDING 450.
B. ALL GLAZING IN GYMNASIUM COMPLIES WITH 2019 CBC 2406 AND IMPACT LOAD COMPLIES WITH CATEGORY II OF CPSC 16 CFR PART 1201 OR CLASS A OF ANSI Z97.1
C. MATERIALS USED AS FLOOR COVERING IN GYMNASIUM CONFORM TO CHAPTERS 804.1 THROUGH 804.4.2 OF THE 2019 CBC. ALL MATERIALS CONFORM TO CLASS C INTERIOR FLOOR FINISH - CRITICAL RADIANT FLUX TO BE NOT LESS THAN CLASS II, BETWEEN 0.22 WATTS PER SQUARE CENTIMETER AND 0.45 WATTS PER SQUARE CENTIMETER.

LATENT

NOT FOR CONSTRUCTION

BUCKTOWN ASSEMBLY

2036 W ARMITAGE AVE
CHICAGO, IL 60647

NO.	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	XX	XX

GENERAL NOTES

G-004

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DIV 03 - CONCRETE

SECTION 03300 - CAST-IN-PLACE CONCRETE
1. SUBMITTALS: CONCRETE MIX DESIGN.
2. READY-MIXED CONCRETE PRODUCER QUALIFICATIONS: ASTM C 94 / C94M.
3. COMPLY WITH ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE", ACI 117, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", AND CRSI "MANUAL OF STANDARD PRACTICE".
4. REINFORCING BARS: ASTM A615 / A615M, GRADE 60 DEFORMED.
5. PLAIN-STEEL WELDED WIRE REINFORCEMENT: ASTM A 185, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS.
6. PORTLAND CEMENT: ASTM C150 TYPE I OR II.
7. FLY ASH: ASTM C618, TYPE C OR F.
8. AGGREGATES: ASTM C33 UNIFORMLY GRADED.
9. AIR-ENTRAINING ADMIXTURE: ASTM C260.
10. CHEMICAL ADMIXTURES: ASTM C494, DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.
11. VAPOR RETARDER: CLEAR 10-MIL-THICK POLYETHYLENE SHEET.
12. JOINT FILLER STRIPS: ASTM D1751, ASPHALT-SATURATED CELLULOSIC FIBER.
13. MOISTURE RETAINING COVER: ASTM C171, POLYETHYLENE FILM OR WHITE BURLAP-POLYETHYLENE SHEET.
14. CLEAR WATERBORNE, MEMBRANE-FORMING CURING COMPOUND: ASTM C309, TYPE I, CLASS B.
15. CLEAR SOLVENT-BORNE, MEMBRANE-FORMING CURING & SEALING COMPOUND: ASTM C1315, TYPE I, CLASS A.
16. COMPLY WITH ACI 301 REQUIREMENTS FOR CONCRETE MIXTURES.
17. NORMAL WEIGHT CONCRETE: PREPARE DESIGN MIXES, PROPORTIONED ACCORDING TO ACI 301, AS FOLLOWS:
   a. MAXIMUM COMPRESSIVE STRENGTH: 3,000 PSI AT 28 DAYS - FOUNDATIONS
   b. MAXIMUM COMPRESSIVE STRENGTH: 4,000 PSI AT 28 DAYS - SLABS ON GRADE
   c. MAXIMUM COMPRESSIVE STRENGTH: 4,000 PSI AT 28 DAYS - ALL OTHERS
   d. MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO: 0.50.
18. SLUMP LIMIT: 5 INCHES, PLUS OR MINUS 1 INCH.
19. AIR CONTENT: MAINTAIN WITHIN RANGE PERMITTED BY ACI 301. DO NOT ALLOW AIR CONTENT OF FLOOR SLABS TO RECEIVE TROWELED FINISHES TO EXCEED 3 PERCENT.
20. WHEN AIR TEMPERATURE IS ABOVE 90 DEGREES FAHRENHEIT, REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES.
21. CONSTRUCT FORMWORK ACCORDING TO ACI 301 AND MAINTAIN TOLERANCES AND SURFACE IRREGULARITIES WITHIN ACI 347R LIMITS OF CLASS A, 1/8 INCH FOR CONCRETE EXPOSED TO VIEW AND CLASS C, 1/4 INCH FOR OTHER CONCRETE SURFACES.
22. PLACE VAPOR RETARDER ON PREPARED SUBGRADE, WITH JOINTS LAPPED 6 INCHES AND SEALED.
23. COMPLY WITH CRSI "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING AND SUPPORTING REINFORCEMENT.
24. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON STRUCTURAL PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.
25. INSTALL CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS WHERE INDICATED. INSTALL FULL-DEPTH JOIN-FILLER STRIPS AT ISOLATIONS JOINTS.
26. PLACE CONCRETE IN A CONTINUOUS OPERATION AND CONSOLIDATE USING MECHANICAL VIBRATING EQUIPMENT.
27. PROTECT CONCRETE FROM PHYSICAL DAMAGE, PREMATURE DRYING, AND REDUCED STRENGTH DUE TO HOT OR COLD WEATHER DURING MIXING, PLACING, AND CURING.
28. COLD WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE TO ACI 306.
29. HOT WEATHER CONCRETING SHALL BE DONE IN ACCORDANCE TO ACI 305.
30. FORMED SURFACE FINISH: SMOOTH-FORMED FINISH FOR CONCRETE EXPOSED TO VIEW, ROUGH-FORMED FINISH ELSEWHERE.
31. SLAB FINISHES: COMPLY WITH ACI 302.1R FOR SCREEDING, RESTRAINING, AND FINISHING OPERATIONS FOR CONCRETE SURFACES. DO NOT WET CONCRETE SURFACES. PROVIDE THE FOLLOWING FINISHES:
   a. RETAIN REQUIRED FINISHES IN SUBPARAGRAPHS BELOW REVISING LOCATIONS AS NEEDED.
   b. SCRATCH FINISH FOR SURFACES TO RECEIVE MORTAR SETTING BEDS.
   c. FLOAT FINISH FOR INTERIOR STEPS AND RAMPS AND SURFACES TO RECEIVE WATERPROOFING, ROOFING, OR OTHER DIRECT-APPLIED MATERIAL.
   d. TROWELED FINISH FOR FLOOR SURFACES AND FLOORS TO RECEIVE FLOOR COVERINGS, PAINT, OR OTHER THIN FILM-FINISH COATINGS.
   e. TROWEL AND FINE BROOM FINISH FOR SURFACES TO RECEIVE THIND-SET TILE.
   f. NONSLIP-BROOM FINISH SURFACES BY MOIST CURING FOR AT LEAST SEVEN DAYS.
32. CURE FORMED SURFACES BY MOIST CURING FOR AT LEAST SEVEN DAYS.
33. BEGIN CURING CONCRETE SLABS AFTER FINISHING. APPLY MEMBRANE-FORMING CURING AND SEALING COMPOUND TO CONCRETE.
34. OWNER WILL ENGAGE A TESTING AGENCY TO PERFORM FIELD TESTS AND TO SUBMIT TEST REPORTS.
35. PROTECT CONCRETE FROM DAMAGE. REPAIR SURFACE DEFECTS IN FORMED CONCRETE AND SLABS.
36. WELDING OF REINFORCING BARS WILL ONLY BE ALLOWED WHEN SHOWN ON THE STRUCTURAL DRAWINGS.
37. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT STONE.
38. GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR PROPER PLACEMENT BEFORE PLACING CONCRETE.
39. ELECTRICAL CONDUIT MUST BE PLACED ABOVE BOTTOM REINFORCEMENT AND BELOW THE TO REINFORCEMENT. ELECTRICAL CONDUIT EMBEDDED IN SLABS SHALL NOT BE LARGER THAN 1/3 OF THE SLAB THICKNESS AND SHALL NOT BE SPACED CLOSER THAN THREE CONDUIT DIAMETERS.

DIV 04 - MASONRY

SECTION 04410 - CUT STONE
1. SUBMIT CUTTING AND SETTING DRAWINGS INDICATING SIZES, DIMENSIONS, SECTIONS, AND PROFILES OF STONES; ARRANGEMENT AND PROVISIONS FOR JOINTING, SUPPORTING, ANCHORING, AND BONDING STONEWORK, AND DETAILS SHOWING RELATIONSHIP WITH, ATTACHMENT TO, AND RECEPTION OF, RELATED WORK.
2. STORE AND HANDLE STONE PER MANUFACTURER'S INSTRUCTIONS.
3. CUT STONE TO BE INDIAN LIMESTONE.
   a. COLOR TO MATCH EXISTING STONE ON THE PROJECT.
   b. SMOOTH FINISH
4. MORTAR MIX TO BE:
   a. PORTLAND CEMENT, ASTM C150, TYPE I, EXCEPT TYPE III MAY BE USED FOR COLD WEATHER CONSTRUCTION
   b. HYDRATED LIME, ASTM C207, TYPE N.
   c. AGGREGATE: ASTM C144, FOR JOINTS NARROWER THAN 1/4" USE AGGREGATE GRADED WITH 100 PERCENT PASSING THE NO. 8 SIEVE AND 95 PERCENT THE NO. 16 SIEVE.
   d. WATER: CLEAN, NON-ALKALINE AND POTABLE.
5. ANCHORS AND DOWELS TO BE STAINLESS STEEL.
6. FABRICATE STONEWORK IN SIZES AND SHAPES REQUIRED TO COMPLY WITH REQUIREMENTS INDICATED, INCLUDING DETAILS ON DRAWINGS AND FINAL SHOP DRAWINGS.
7. CUT AND DRILL SINKAGES AND HOLES IN STONES FOR ANCHORS, FASTENERS, SUPPORTS AND LIFTING DEVICES AS INDICATED.
8. CUT STONES TO PRODUCE PIECES OF THICKNESS, SIZE AND SHAPE INDICATED OR REQUIRED AND WITHIN FABRICATION TOLERANCES RECOMMENDED BY THE BUILDING STONE INSTITUTE (BSI).
9. FINISH EXPOSED FACES AND EDGES OF STONE TO COMPLY WITH THE REQUIREMENTS INDICATED FOR FINISH UNDER EACH TYPE AND APPLICATION OF STONE REQUIRED AND TO MATCH APPROVED SAMPLES.
10. PRIOR TO INSTALLATION, STONE SHALL BE BRUSHED FREE OF DUST AND FOREIGN MATTER AND WET STONE SUFFICIENTLY TO TAKE UP SURFACE ABSORPTION.
11. EXECUTE DIMENSION STONEWORK BY SKILLED MECHANICS, AND EMPLOY SKILLED STONE FITTERS AT SITE TO DO NECESSARY FIELD CUTTING AS STONES ARE SET.
12. SET STONES TO COMPLY WITH REQUIREMENTS INDICATED ON DRAWINGS AND FINAL SHOP DRAWINGS. INSTALL ANCHORS, SUPPORTS, FASTENERS, AND OTHER ATTACHMENTS INDICATED OR NECESSARY TO SECURE STONEWORK IN PLACE. SHIM AND ADJUST AS NECESSARY.
13. KEEP STONEWORK AS CLEAN AS POSSIBLE AS WORK PROGRESSES. UPON COMPLETION CLEAN STONE THOROUGHLY WITH WATER OR SOAP AND WATER AND FIBER BRUSHES. THOROUGHLY RINSE WHEN COMPLETE. DO NOT USE ACIDS OR WIRE BRUSHES.

DIV 05 - METALS

SECTION 05400 - COLD FORMED METAL FRAMING
1. SUBMITTALS: PRODUCT DATA AND SHOP DRAWINGS
2. COMPLY WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" FOR CALCULATING STRUCTURAL CHARACTERISTICS OF COLD-FORMED METAL FRAMING".
3. COMPLY WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
4. PROTECT COLD-FORMED METAL FRAMING FROM CORROSION, DEFORMATION, AND OTHER DAMAGE DURING DELIVERY, STORAGE, AND HANDLING.
5. GALVANIZED STEEL SHEET: ASTM A653 / A653M, G60 ZINC COATED; STRUCTURAL STEEL (SS); GRADE 33 CLASS L
6. STEEL STUDS: C-SHAPED, WITH FLANGE WIDTH OF NOT LESS THAN 2 INCHES, GAUGE AS INDICATED, AND OF DEPTHS INDICATED.
7. STEEL TRACK: U-SHAPED, MINIMUM UNCOATED METAL, THICKNESS SAME OR GREATER AS STUDS USED WITH TRACK, WITH FLANGE WIDTHS OF 1-1/4 INCHES FOR STUDS.
8. ACCESSORIES: FABRICATE FROM THE SAME MATERIAL AND FINISH USED FOR FRAMING MEMBERS, OF MANUFACTURERS STANDARD THICKNESS AND CONFIGURATION, UNLESS OTHERWISE INDICATED.
9. CAST IN PLACE ANCHOR BOLTS: ASTM F1554, GRADE 36, THREADED CARBON-STEEL HEX-HEAD BOLTS AND CARBON STEEL NUTS; AND FLAT, HARDENED-STEEL WASHERS; ZINC COATED BY HOT-DIP PROCESS ACCORDING TO ASTM A153 / A153M, CLASS C.
10. MECHANICAL FASTENERS; CORROSION-RESISTANT COATED, SELF-DRILLING, SELF-THREADING STEEL DRILL SCREWS
11. WALL SHEATHING:
   a. GLASS MAT GYPSUM: ASTM C1177 / C1177M
   b. PRODUCT: DENS-GLAS-GLASS GOLD BY G-P GYPSUM CORP. TYPE X. THICKNESS AS INDICATED
12. INSULATION: ASTM C578, TYPE IV, CLOSED CELL PRODUCT EXTRUDED WITH AN INTEGRAL SKIN, UNLESS OTHERWISE NOTED. PROVIDE R-VALUE AS INDICATED.
13. INSULATION ANCHORS: TYPE RECOMMENDED BY INSULATION BOARD MANUFACTURER FOR APPLICATION INDICATED.
14. GALVANIZING REPAIR PAINT: SSPC-PAINT 20 OR DOD-P-21035.
15. INSTALL FRAMING AND ACCESSORIES LEVEL, PLUMB, SQUARE, AND TRUE TO LINE, AND SECURELY FASTENED, ACCORDING TO ASTM C1007. TEMPORARILY BRACE FRAMING UNITS, ENTIRE INTEGRATED SUPPORTING STRUCTURE HAS BEEN COMPLETED AND PERMANENT CONNECTIONS ARE SECURED.
   a. CUT FRAMING MEMBERS BY SAWING OR SHEARING; DO NOT TORCH CUT.
   b. FASTEN FRAMING MEMBERS BY WELDING OR SCREW FASTENING.
   c. INSTALL INSULATION IN BUILT-UP EXTERIOR FRAMING MEMBERS.
   d. FASTEN REINFORCING PLATES OVER WEB PENETRATIONS LARGER THAN STANDARD PUNCHED OPENINGS.
16. ERECTION TOLERANCES: INSTALL COLD-FORMED METAL FRAMING WITH A MAXIMUM VARIATION OF 1/8 INCH FROM PLAN LOCATION. CUMULATIVE ERROR SHALL NOT EXCEED MINIMUM FASTENING REQUIREMENTS OF SHEATHING OR OTHER FINISHING MATERIALS.
17. STUDS: INSTALL CONTINUOUS TOP AND BOTTOM TRACKS SECURELY ANCHORED AT CORNERS AND ENDS. SQUARELY SEAT STUDS AGAINST WEBS OF TOP AND BOTTOM TRACKS.
   a. INSTALL AND FASTEN HORIZONTAL BRIDGING IN STUD SYSTEM, SPACED IN ROWS NOT MORE THAN 48 INCHES APART.
   b. INSTALL STEEL-SHEET DIAGONAL BRACING STRAPS TO BOTH STUD FLANGES, TERMINATE AT AND FASTEN TO REINFORCED TOP AND BOTTOM TRACK AND ANCHOR TO STRUCTURE. INSTALL MISCELLANEOUS FRAMING AND CONNECTIONS TO PROVIDE A COMPLETE AND STABLE WALL-FRAMING SYSTEM.

SECTION 05500 - METAL FABRICATIONS
1. STEEL PLATES, SHAPES AND BARS: ASTM A36 / A36M
2. STEEL TUBING: COLD-FORMED STEEL TUBING COMPLYING WITH ASTM A500
3. NON-SHRINK, NON-METALLIC GROUT: ASTM C1107, RECOMMENDED BY MANUFACTURER FOR EXTERIOR APPLICATIONS.
4. GENERAL: SHEAR AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS AND EASE EXPOSED EDGES. FORM BENT-METAL CORNERS TO SMALLEST RADIUS POSSIBLE WITHOUT IMPAIRING WORK.
5. WELDING: WELD CORNERS AND SEAMS CONTINUOUSLY. USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS. AT EXPOSED CONNECTIONS, FINISH WELDS AND SURFACES SMOOTH WITH CONTOUR OF WELDED SURFACE MATCHING THOSE ADJACENT.
6. ON UNITS AS INDICATED TO BE CAST INTO CONCRETE OR BUILT INTO MASONRY, PROVIDE WELDED STEEL STRAP ANCHORS, 1/8 C 1-1/2 INCHES, WITH A MINIMUM 6-INCH EMBEDMENT AND 2-INCH HOOK, NOT LESS THAN 8 INCHES FROM ENDS AND CORNERS OF UNITS AND 24 INCHES O.C.
7. FABRICATE LOOSE LINTELS FROM STEEL ANGLES AND SHAPES. SIZE TO PROVIDE BEARING LENGTH AT EACH SIDE OF OPENING EQUAL TO ONE - TWELFTH OF CLEAR SPAN, BUT NOT LESS THAN 8 INCHES.
8. HOT-DIP GALVANIZED STEEL FABRICATIONS AT EXTERIOR LOCATIONS.
9. PREPARE UNCOATED FERROUS METAL SURFACES TO COMPLY WITH SSPC-SP3, "POWER TOOL CLEANING."
10. PRIMER: FAST CURING, LEAD AND CHROMATE-FREE, UNIVERSAL MODIFIED-ALKYD, RUST INHIBITING PRIMER COMPLYING WITH MPI 79. PRIMER TO BE APPLIED WITH A MINIMUM DRY FILM THICKNESS OF AT LEAST 1.5 MILS. DO NOT PRIME SURFACES TO BE EMBEDDED IN CONCRETE OR MORTAR OR TO BE FIELD WELDED.
11. PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLING MISCELLANEOUS METAL FABRICATIONS. SET METAL FABRICATION ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION, WITH EDGES AND SURFACES LEVEL, PLUMB, TRUE AND FREE OF RACK.
12. FIX EXPOSED CONNECTIONS ACCURATELY TOGETHER TO FORM HAIRLINE JOINTS.
13. ALL EXPOSED STEEL TO BE PAINTED. COLOR AND FINISH AS INDICATED ON DRAWINGS.
14. ANCHOR RODS, BOLTS, NUTS: ASTM 325, HEADED BOLTS, TYPE I HEAVY HEX STEEL STRUCTURAL BOLTS.
15. BOLTS, NUTS AND WASHERS, ASTM A325, TYPE I, HIGH STRENGTH HEAVY HEX STEEL STRUCTURAL BOLTS, HEAVY HEX CARBON-STEEL NUTS, AND HARDENED CARBON STEEL WASHERS UNCOATED.
16. FABRICATE STRUCTURAL STEEL ACCORDING TO AISC SPECIFICATIONS AND TOLERANCE LIMITS OF AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES" FOR STRUCTURAL STEEL.
17. ERECT STRUCTURAL STEEL ACCORDING TO AISC SPECIFICATIONS AND WITHIN ERECTION TOLERANCES FOR "CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES".
18. SET BASE AND BEARING PLATES ON WEDGES, SHIMS, OR SETTING NUTS. TIGHTEN ANCHOR BOLTS, CUT OFF WEDGES OR SHIMS FLUSH WITH EDGE OF PLATE, AND PACK GROUT SOLIDLY BETWEEN BEARINGS SURFACES AND PLATES.
19. BOLTED CONNECTIONS: INSTALL AND TIGHTEN NON HIGH-STRENGTH BOLTS, UNLESS HIGH-STRENGTH BOLTS ARE INDICATED. SNUG TIGHTEN HIGH-STRENGTH BOLTS ACCORDING TO RCSC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A 490 BOLTS. WELD CONNECTIONS: COMPLY AS AWS D1.1.

DIV 06 - WOOD, PLASTICS, COMP.

SECTION 06100 - ROUGH CARPENTRY
1. LUMBER: PROVIDE DRESSED LUMBER S4S, 19% MAXIMUM MOISTURE CONTENT FOR 2 INCH NOMINAL THICKNESS OR LESS, MARKED WITH GRADE STAMP OF INSPECTION AGENCY.
2. PRESERVATIVE-TREATED MATERIALS; AWPA C2 LUMBER AND AWPA C9 PLYWOOD, LABELED BY AN INSPECTION AGENCY APPROVED BY ALSC'S BOARD OR REVIEW. AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO 19% AND 15% MOISTURE CONTENT RESPECTIVELY. TREAT INDICATED ITEMS AND THE FOLLOWING:
   a. WOOD MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND WATERPROOFING
   b. CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE
   c. WOOD FRAMING MEMBERS LESS THAN 18" ABOVE GRADE
   d. WOOD FLOOR PLATES INSTALLED OVER CONCRETE SLABS DIRECTLY IN CONTACT WITH EARTH.
3. DIMENSION LUMBER: THE FOLLOWING GRADES ARE PER INSPECTION AGENCY INDICATED: SELECT ONE GRADE REQUIREMENT AND ONE OR MORE SPECIES GROUP IN SUBPARAGRAPHS BELOW FOR EACH APPLICATION DEPENDING ON AVAILABILITY AND SUITABILITY FOR PROJECT. DESIGNATE LOAD-BEARING WALLS ON DRAWINGS.
   a. NON-LOAD-BEARING INTERIOR PARTITIONS: CONSTRUCTION, STUD, OR NO.3
   b. FRAMING OTHER THAN NON-LOAD-BEARING PARTITIONS: DOUGLAS FIR-LARCH: NLGA, WCLB OR WWPA.
   c. EXPOSED FRAMING: SELECT STRUCTURAL NO. 1

SECTION 06200 - FINISH CARPENTRY
1. LUMBER: DOC PS 20 AND GRADING RULES OF INSPECTION AGENCIES VERIFIED BY AMERICAN LUMBER STANDARDS COMMITTEE BOARD OF REVIEW.
2. SOFTWOOD PLYWOOD DOC "PS" 1.
3. INTERIOR SOFTWOOD LUMBER TRIM: FINGER JOINTED PRIMED PINE
4. WOOD MOLDING PATTERNS: MADE TO PATTERNS IN WMMPA "WM"7 FROM KILN-DRIED STOCK GRADED UNDER WMMPA "WM" 4.
   a. MOLDINGS FOR PAINTED FINISH: P-GRADE PRIMED MEDIUM-DENSITY FIBERBOARD.
   b. BASE: 4-1/4" SWS BASE
   c. SHOE MOLD: WM 126, 3/4 x 3/4 INCH QUARTER ROUND SHOE.
   d. CASING: 2-1/1" S4S CASING.
   e. STOP: 1-1/4" S4S STOP.
5. FASTENERS FOR EXTERIOR FINISH CARPENTRY: HOT-DIP GALVANIZED STEEL
6. CONDITION FINISH CARPENTRY IN INSTALLATION AREAS FOR 24 HOURS BEFORE INSTALLING.
7. PRIME AND BACK PRIME LUMBER FOR PAINTED FINISH EXPOSED ON THE EXTERIOR.
8. INSTALL FINISH CARPENTRY LEVEL, PLUMB, TRUE AND ALIGNED WITH ADJACENT MATERIALS. SCRIBE CUT TO FIT ADJOINING WORK. REFINISH AND SEAL CUTS.
9. INSTALL STANDING AND RUNNING TRIM WITH MINIMUM NUMBER OF JOINTS PRACTICAL, USING FULL-LENGTH PIECES FROM MAXIMUM LENGTHS OF LUMBER AVAILABLE. STAGGER JOINTS IN ADJACENT AND RELATED TRIM. COPE AT RETURNS AND MITER CORNERS.

SECTION 06402 - INTERIOR ARCHITECTURAL WOODWORK
1. QUALITY STANDARD: ARCHITECTURAL WOODWORK INSTITUTE'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS."
2. ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETED, AND HVAC SYSTEM IS OPERATING.
3. MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE.
4. HARDWARE STANDARDS: COMPLY WITH BHMA A156 SERIES STANDARDS.
5. EXPOSED HARDWARE FINISHES: COMPLY WITH BHMA A156.18 FOR BHMA CODE NUMBER INDICATED.
   a. FINISH: AS INDICATED.
6. BACK OUT OR GROOVE BACKS OF FLAT TRIM MEMBERS, KERF BACKS OF OTHER WIDE, FLAT MEMBERS, EXCEPT FOR MEMBERS WITH ENDS EXPOSED TO FINISH WORK.
7. FINISHES: SAME GRADES AS ITEMS TO BE FINISHED.
8. FINISH ARCHITECTURAL WOODWORK AT THE FABRICATIONS SHOP; DEFER ONLY FINAL TOUCH UP UNTIL AFTER INSTALLATION.
9. CONDITION WOODWORK TO PREVAILING CONDITIONS BEFORE INSTALLING.
10. INSTALL WOODWORK TO COMPLY WITH REFERENCED QUALITY STANDARDS FOR GRADE SPECIFIED.
11. INSTALL WOODWORK LEVEL, PLUMB, TRUE, AND STRAIGHT. SHIM AS REQUIRED WITH CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8" IN 96" FOR LEVEL AND PLUMB.
12. SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, SEAL CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.
13. INSTALL TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL-LENGTH PIECES TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED MEMBERS.
14. ANCHOR COUNTERTOPS SECURELY TO BASE UNITS. SEAL SPACE BETWEEN BACKSPLASH AND WALL.
15. STAIR WORK AND RAILS: CUT CARRIAGES TO ACCURATELY FIT TREADS AND RISERS AND SECURELY ANCHOR TO SUPPORTING SUBSTRATES. GLUE TREADS AND RISERS, AND GLUE AND NAIL TREADS AND RISERS TO CARRIAGES. GLUE AND WEDGE TREADS AND RISERS TO HOUSED STRINGERS. GLUE AND DOWEL OR PIN BALUSTERS TO TREADS AND RAILING, AND RAILINGS TO NEWEL POSTS.
16. PER CBC 7(15-8-430) INTERIOR TRIM, MATERIALS USED FOR INTERIOR TRIM SHALL NOT BE LESS RESISTANT TO FLAME SPREAD THAN THE CLASS OF MATERIALS SPECIFIED IN THE SECTION FOR THE FOLLOWING ROOMS OR SPACES:
   a. REQUIRED STAIRWAY ENCLOSURES AND ENCLOSED CONNECTIONS FROM STAIRWAYS TO OUTSIDE EXITS...CLASS I
   b. MATERIALS USED FOR INTERIOR TRIM IN ALL OTHER ROOMS AND SPACES SHALL BE NOT LESS RESISTANT TO FLAME SPREAD THAN CLASS 3 MATERIALS.

DIV 07 - THERMAL, MOISTURE

SECTION 07210 - BUILDING INSULATION
1. SURFACE-BURNING CHARACTERISTICS: ASTM E84, AND AS FOLLOWS:
   a. FLAME-SPREAD INDEX: 25 OR LESS WHERE EXPOSED; OTHERWISE, AS INDICATED IN PART 2 "INSULATION PRODUCTS" ARTICLE.
   b. SMOKED-DEVELOPED INDEX: 450 OR LESS.
2. EXTRUDED-POLYISOCYANURATE BOARD INSULATION: ASTM C578, TYPE IV, WITH FLAME-SPREAD INDEX OF 75 OR LESS.
3. GLASS-FIBER BLANKET INSULATION: ASTM C665, TYPE I, UNFACED WITH FIBERS MANUFACTURED FROM FLASS, WITH FLAME-SPREAD INDEX OF 25 OR LESS.
4. SOUND ATTENUATION BLANKETS: ASTM C 665, TYPE I, UNFACED, PRODUCED BY COMBINING THERMOSETTING RESINS WITH MINERAL FIBERS MANUFACTURED FROM GLASS, SLAG WOOD, OR ROCK WOOL.
5. VAPOR RETARDER: POYETHYLENE, ASTM D4397, 6 MILS THICK WITH A MAXIMUM PERMEANCE RATING OF 0.13 PERM.
6. INSTALL INSULATION IN AREAS AND IN THICKNESSES INDICATED OR REQUIRED TO PRODUCE R-VALUES INDICATED. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS AND FILL VOIDS WITH INSULATION. EXTEND VAPOR RETARDER TO EXTREMITIES OF AREAS TO BE PROTECTED FROM VAPOR TRANSMITION. SECURE IN PLACE WITH ADHESIVES OR TOHER ANCHORAGE. LOCATE SEAMS AT FRAMING MEMBERS, OVERLAP, AND SEAL WITH TAPE.

SECTION 07920 - JOINT SEALANTS
1. ENVIRONMENTAL LIMITATIONS: DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE LIMITS PERMITTED BY JOINT SEALANT MANUFACTURER OR ARE BELOW 40 DEG F (4.4 DEG C).
2. COMPATIBILITY: PROVIDE JOINT SEALANTS, JOINT FILLERS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER SERVICE AND APPLICATION CONDITIONS.
3. GENERAL: PROVIDE SEALANT BACKINGS OF MATERIAL AND TYPE THAT ARE NONSTAINING, ARE COMPATIBLE WITH JOINT SUBSTRATES, SEALANT PRIMEERS, AND OTHER JOINT FIULLERS AND ARE APPROVED FOR APPPLICATIONS INDICATED BY SEALANT MANUFACTURERS.
4. CYLINDRICAL SEALANT BACKINGS: ASTM C 1330, OF SIZE AND DENSITY TO CONTRAL SEALANT DEPTH AND OTHERWISE CONTRIBUTE TO PRODUCING OPTIMUM SEALANT PERFORMANCE.
5. BOND-BREAKING TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MANUFACTURER FOR PREVENTING SEALANT FROM ADHERING TO RIGID, INFLEXIBLE JOINT FILLER MATERIALS OR JOINT SURFACES AT BACK OF JOINT.
6. COMPLY WITH ASTM C 1193.
7. COMPLY WITH ASTM C 919 FOR USE OF JOINT SEALANTS IN ACOUSTICAL APPLICATIONS.

DIV 08 - OPENINGS

SECTION 08211 - FLUSH WOOD DOORS
1. SUBMITTALS: SAMPLES FOR FACTORY-FINISHED DOORS.
2. QUALITY STANDARD: WDMA I.S.1-A.
3. FIRE-RATED WOOD DOORS: LABELED BY A TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION BASED ON TESTING PER NFPA 252 AT ATMOSPHERIC PRESSURE.
4. DOORS FOR PAINTED FINISH: ECONOMY GRADE.
   a. FACES: OAK/BIRCH, PLAIN SLICED
   b. VENEER MATCHING: BOOK AND BALANCE MATCH.
5. INTERIOR VENEER-FACED SOLID CORE DOORS: FIVE PLY, STRUCTURAL COMPOSITE LUMBER CORES.
6. FIRE-RATED SOLID-CORE DOORS: CORE CONSTRUCTION TO PROVIDE FIRE RATING INDICATED, FACES AND GRADE TO MATCH NON-FIRE-RATED DOORS.
7. HOLLOW-CORE DOORS WITH HARDBOARD FACES. THREE-PLY, STANDARD HOLLOW CORES WITH LOCK BLOCKS BOTH SIDES.
8. FACTORY FIT DOORS TO SUITE FRAME-OPENING SIZES INDICATED AND TO COMPLY WITH REFERENCED QUALITY STANDARD
9. FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED.
10. CUT AND TRIM OPENINGS TO COMPLY WITH REFERENCED STANDARDS.
11. FACTORY FINISH DOORS INDICATED FOR TRANSPARENT FINISH WITH MANUFACTURER'S STANDARD FINISH COMPARABLE TO AWI SYSTEM TR-6, CATALYZED POLYURETHANE.
12. COMPLY WITH WDMA'S "HOW TO STORE, HAND FINISH, INSTALL, & MAINTAIN WOOD DOORS".
   a. INSTALL FIRE-RATED DOORS TO COMPLY WITH NFPA 80.
13. ALIGN AND FIT DOORS IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS. MACHINE DOORS FOR HARDWARE. SEAL CUT SURFACES AFTER FITTING AND MACHINING.
14. REPAIR, REFINISH, OR REPLACE FACTORY-FINISHED DOORS DAMAGED DURING INSTALLATION, AS DIRECTED BY ARCHITECT.

DIV 09 - FINISHES

SECTION 09910 - PAINTING
1. SUMMARY: PAINT EXPOSED SURFACES, UNLESS OTHERWISE INDICATED.
   a. DO NOT PAINT PREFINISHED ITEMS, ITEMS WITH AN INTEGRAL FINISH, OPERATING PARTS, AND LABELS, UNLESS OTHERWISE INDICATED.
2. OBTAIN BLOCK FILLERS AND PRIMERS FOR EACH COATING SYSTEM FROM SAME MANUFACTURER AS FINISH COATS.
3. MATERIAL COMPATIBILITY: PROVIDE MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH SUBSTRATES.
4. MATERIAL QUALITY: MANUFACTURER'S BEST-QUALITY PAINT MATERIAL OF COATING TYPES SPECIFIED THAT ARE FORMULATED AND RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED.
5. REMOVE HARDWARE, LIGHTING FIXTURES AND SIMILAR ITEMS THAT ARE NOT TO BE PAINTED. MASK ITEMS THAT CANNOT BE REMOVED. REINSTALL ITEMS IN EACH AREA AFTER PAINT IS COMPLETE.
6. CLEAN AND PREPARE ALL SURFACES IN AN AREA BEFORE BEGINNING PAINTING IN THAT AREA. SCHEDULE PAINTING SO CLEANING OPERATIONS WILL NOT DAMAGE NEWLY PAINTED SURFACES.
7. APPLY COATINGS BY BRUSH, ROLLER, SPRAY OR OTHER APPLICATORS ACCORDING TO COATING MANUFACTURER'S WRITTEN INSTRUCTIONS.
   a. USE BRUSHES ONLY FOR EXTERIOR PAINTING AND WHERE THE USE OF OTHER APPLICATORS IS NOT PRACTICAL.
   b. USE ROLLERS FOR FINISH COAT ON INTERIOR WALLS AND CEILINGS.
8. PIGMENTED (OPAQUE) FINISHES: COMPLETELY COVER SURFACES TO PROVIDE A SMOOTH, OPAQUE UNIFORM SURFACE OF UNIFORM APPEARANCE. PROVIDE A FINISH FREE OF CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, OR OTHER SURFACE IMPERFECTIONS.
9. TRANSPARENT (CLEAR) FINISHES: USE MULTIPLE COATS TO PRODUCE A GLASS-SMOOTH, SURFACE FILM OF EVEN LUSTER. PROVIDE A FINISH FREE OF CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, OR OTHER SURFACE IMPERFECTIONS.

SECTION 09260 - GYPSUM BOARD ASSEMBLIES
1. SUBMITTALS: PRODUCT DATA
2. PARTITION AND SOFFIT FRAMING:
   a. STUDS AND RUNNERS: 2X4 WOOD
   b. RIGID HAT-SHAPED FURRING CHANNELS: IN DEPTH AND THICKNESS AS INDICATED.
   c. RESILIENT CHANNELS: IN DEPTH AND THICKNESS AS INDICATED.
3. PROVIDE IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END-BUTT JOINTS.
4. GYPSUM WALLBOARD: ASTM "C"36 IN THICKNESS INDICATED, WITH MANUFACTURER'S STANDARD EDGES. TYPE AS REQUIRED FOR SPECIFIC FIRE RESISTANCE RATED ASSEMBLIES.
5. EXTERIOR GLASS-MAT, WATER-RESISTANT GYPSUM BOARD: ASTM "C"1178, OF THICKNESS INDICATED. TYPE "X" WHERE REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLIES WHERE INDICATED.
   a. PRODUCT: "DENS-GLASS GOLD" MANUFACTURED BY GEORGIA PACIFIC CORP.
   b. LOCATION: ALL EXTERIOR WALLS
6. EXTERIOR GYPSUM SOFFIT BOARD: ASTM "C"931, IN THICKNESS INDICATED, WITH MANUFACTURER'S STANDARD EDGES. TYPE "X" WHERE REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLIES WHERE INDICATED.
7. GLASS-MAT, WATER-RESISTANT GYPSUM BOARD: ASTM "C"1178, OF THICKNESS INDICATED. TYPE "X" WHERE REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLIES WHERE INDICATED.
   a. PRODUCT: "DENSARMOR PLUS FIREGUARD INTERIOR GUARD" MANUFACTURED BY GEORGIA PACIFIC CORP.
   b. LOCATION: ALL BATHROOM WALLS AND WET WALLS

DIV 11 - EQUIPMENT

SECTION 11460 - UNIT KITCHENS
1. VERIFY ALL WALL DIMENSIONS BEFORE INSTALLING OWNER FURNISHED KITCHEN.
2. OWNER TO SELECT ALL KITCHEN COOKING EQUIPMENT AND CABINETRY. CONTRACTOR TO INSTALL AND HANDLE DELIVERY.
3. BASIS OF DESIGN: THE DESIGN IS BASED ON INDUSTRY STANDARDS FOR SIZES AND CONFIGURATIONS. COMPARABLE PRODUCTS, AS DETERMINED BY ARCHITECT, MAY BE INSTALLED.
4. SECURELY ANCHOR COMPONENTS TO SUPPORTING CABINETS OR COUNTERTOPS WITH CONCEALED FASTENERS.
5. SECURELY ANCHOR UNIT KITCHENS TO ADJACENT WALLS AND FLOOR WITH CONCEALED DEVICES.
6. CONNECT UNIT KITCHENS TO PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS.
7. TEST, ADJUST AND VERIFY OPERATION OF EACH APPLIANCE, PLUMBING FIXTURE, AND COMPONENT OF UNIT KITCHENS.
8. VERIFY THAT ACCESSORIES REQUIRED HAVE BEEN FURNISHED AND INSTALLED.

DIV 12 - FURNISHINGS

1. OWNER TO SELECT, PURCHASE AND INSTALL FURNITURE

LATENT

NOT FOR CONSTRUCTION

BUCKTOWN ASSEMBLY

2038 W ARMITAGE AVE
CHICAGO, IL 60647

NO.	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	XX	XX

SPECIFICATIONS

G-005

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GENERAL ACCESSIBILITY NOTES

ACCESSIBLE ROUTE
1. ALL COMMON USE AND PUBLIC SPACES WITHIN THE BUILDING SHALL BE ACCESSIBLE.
2. A MINIMUM OF ONE ACCESSIBLE ROUTE SHALL CONNECT ALL ACCESSIBLE ENTRANCES WITH PORTIONS OF THE BUILDING THAT ARE ACCESSIBLE.
3. A MINIMUM OF ONE ACCESSIBLE ROUTE SHALL BE PROVIDED FROM THE PUBLIC SIDEWALK, PARKING AND PUBLIC TRANSPORTATION FACILITIES TO AND THROUGH THE ACCESSIBLE SPACES WITHIN THE BUILDING.
4. ALL ACCESSIBLE ROUTES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
5. THERE SHALL BE OPENINGS NO GREATER THAN ¼" GRATES OR LINEAR OPENINGS SHALL BE LOCATED SO THAT THE LONG DIMENSION OF THE OPENING IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
6. SIDEWALKS ALONG THE ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM SLOPE OF 1:20 AND A MAXIMUM CROSS SLOPE OF 1:48.
7. CHANGES IN LEVEL ALONG THE ACCESSIBLE ROUTE SHALL BE ¼" OR ½" MAXIMUM WITH A 1:2 BEVEL.
8. AN ACCESSIBLE ROUTE SHALL BE 36" WIDE OR 32" WIDE FOR A MAXIMUM OF 24" SHALL BE PROVIDED TO CONNECT ALL ACCESSIBLE SPACES.
9. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH OF LESS THAT 60" MUST PROVIDE FOR PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM.
10. OBJECTS PROTRUDING FROM THE WALL CANNOT BE GREATER THAN 4" FROM THE WALL AND MUST BE MOUNTED 27"- 80" A.F.F. IF AN OBJECT PROTRUDES MORE THAN 4" IT MUST BE MOUNTED ABOVE 80" A.F.F.
11. OBJECTS MOUNTED TO A POST MAY OVERHANG THE ACCESSIBLE ROUTE 12" AND MUST BE MOUNTED BETWEEN 27"-80" A.F.F.

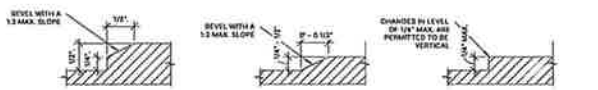
ACCESSIBLE PARKING
1. PARKING SPACES AND ACCESS AISLES SHALL HAVE A MAXIMUM SLOPE OF 1:48. IF GOVERNMENT FUNDING IS PROVIDED, THE SLOPE SHALL BE A MAXIMUM OF 1:50.
2. ACCESSIBLE PARKING SPACES SHALL HAVE A SIGN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY INDICATING A "$200.00 FINE". IT SHALL BE MOUNTED ON A POST OR WALL WITH THE BOTTOM EDGE 60" A.F.F. WITHIN 60" OF THE FRONT OF THE PARKING SPACE AND CENTERED WITHIN THE PARKING SPACE.

AUDIO VISUAL ALARMS & INTERCOM SYSTEMS
1. WHERE EMERGENCY WARNING SYSTEMS ARE REQUIRED IN ALL COMMON SPACES, THEN THEY MUST BE BOTH VISUAL AND AUDIBLE.
2. ALL VISUAL ALARMS THROUGHOUT THE PUBLIC AND COMMON SPACES ARE TO BE SYNCHRONIZED; THE FIRE ALARM SYSTEM IS TO COMPLY WITH ICC/ANSI A117.1 – 2003 CHAPTER 702.1
3. ALL VISUAL ALARMS AND CONDUIT SHALL BE INSTALLED IN UNITS AS INDICATED ON THE PLANS.
4. THE INTERCOM SYSTEM IS REQUIRED TO HAVE BRAILLE LETTERING AND BE ABLE TO PROVIDE A VISUAL SIGNAL IN THE ACCESSIBLE UNITS.
5. CONDUIT FOR THE VISUAL ALARMS SHALL BE INSTALLED AS FOLLOWS: - 25% OF THE 2BR SHALL BE INSTALLED IN TYPE "A" UNITS, AND THE REMAINING SHALL BE INSTALLED IN THE TYPE "B" UNITS – SEE SHEET A11
6. VISUAL ALARMS ARE TO BE VISIBLE WITHIN THE UNITS IN ALL ROOMS AND SPACES EXCEPT UTILITY ROOMS AND CLOSETS.

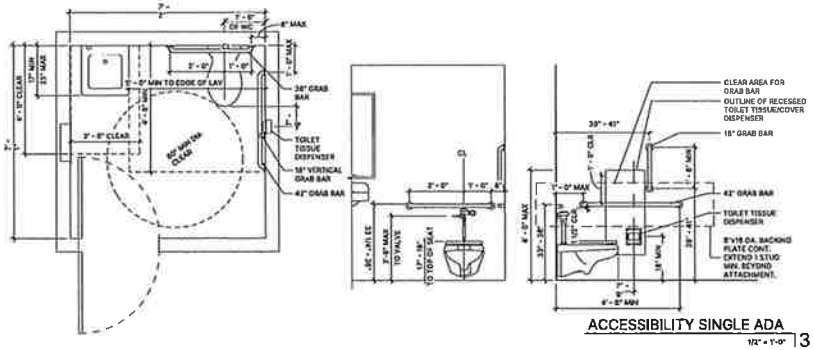
HANDRAILS
1. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS OR RAMPS.
2. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN, INCLUDING THE INSIDE BAL OF A SWITCHBACK OR DOGLEG STAIR OR RAMP
3. HANDRAILS NOT LOCATED AT THE INSIDE OF A RAMP SHALL EXTEND 12" PAST BOTH THE TOP AND BOTTOM RUNS; EXTENSIONS SHALL RETURN TO THE WALL.
4. HANDRAILS NOT LOCATED AT THE INSIDE FACE OF THE STAIR SHALL EXTEND 12" BEYOND THE LANDING NOSING AT THE TOP RUN AND 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE LAST STAIR NOSING AT THE BOTTOM RUN
5. HANDRAILS SHALL BE LOCATED 34" ABOVE THE STAIR NOSING OR RAMP SURFACE.
6. CLEARANCE BETWEEN THE HANDRAIL AND THE ADJACENT SURFACE SHALL BE 1-1/2" MINIMUM.
7. HANDRAILS SHALL NOT PROJECT MORE THAN 4" INTO THE RAMP OR STAIR WIDTH
8. THE GRIPPING SURFACE OF THE HANDRAIL SHALL HAVE A WIDTH OR DIAMETER OF 1-1/4" - 1-1/2".

SIGNAGE
1. REQUIRED SIGNAGE FOR PARKING SPACES RESERVED FOR INDIVIDUALS WITH DISABILITIES, ACCESSIBLE PASSENGER LOADING ZONES, ACCESSIBLE ENTRANCES WHEN ALL ARE NOT ACCESSIBLE, NON-ACCESSIBLE ENTRANCES THAT HAVE DIRECTIONAL SIGNAGE TO INDICATE THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE, ACCESSIBLE TOILET ROOMS WHEN NOT ALL ARE ACCESSIBLE, NON-ACCESSIBLE TOILET ROOMS THAT HAVE DIRECTIONAL SIGNAGE TO INDICATE THE ROUTE TO THE NEAREST ACCESSIBLE FACILITY, DIRECTIONAL OR INFORMATIONAL SIGNAGE AND PERMANENT ROOM SIGNAGE SHALL COMPLY WITH THE PROVISIONS OF THE ILLINOIS ACCESSIBILITY CODE, ICC/ANSI A117.1-2003.
   a. LETTERS AND NUMBERS SHALL BE RAISED 1/32" (0.8MM) UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE, AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" (16MM) HIGH, BUT NO HIGHER THAN 2" (50MM). PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MIN (152MM) IN HEIGHT.
   b. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND; EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON LIGHT BACKGROUNDS.
   c. WHERE PERMANENT IDENTIFICATION IS PROVIDED, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 0" A.F.F. TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL ALLOW A PERSON TO APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.
2. FACILITIES WITH ELEMENTS REQUIRED TO BE ACCESSIBLE SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

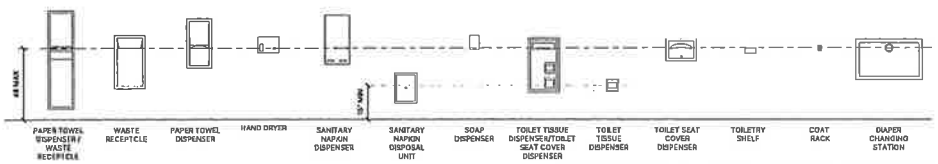
EMERGENCY EVACUATION SIGNAGE
1. AREA OF RESCUE ASSISTANCE SIGN LOCATED ON THE CORRIDOR SIDE NEXT TO THE LATCH SIDE OF THE DOOR
   a. RAISED LETTERS, BRAILLE, CONTRASTING COLOR, 60" A.F.F.
2. TO BE LOCATED ADJACENT TO SIGN #1; WILL IDENTIFY THE NEXT EXIT DISCHARGE FLOOR FROM THE FLOOR YOU ARE EXITING.
   a. RAISED LETTERS, BRAILLE, CONTRASTING COLOR.
3. IF 1ST FLOOR NUMBER DESIGNATIONS LOCATED INSIDE OF STAIRWELL, ADJACENT TO THE LATCH SIDE OF FLOOR
   a. RAISED LETTERS, BRAILLE, CONTRASTING COLOR.
1. PROVIDE SPOTLIGHT IN CEILING BEAM TO BE DIRECTED TO ARE OF RESCUE ASSISTANCE SIGN (#1); LIGHT TO BE ON EMERGENCY BACK UP SYSTEM.



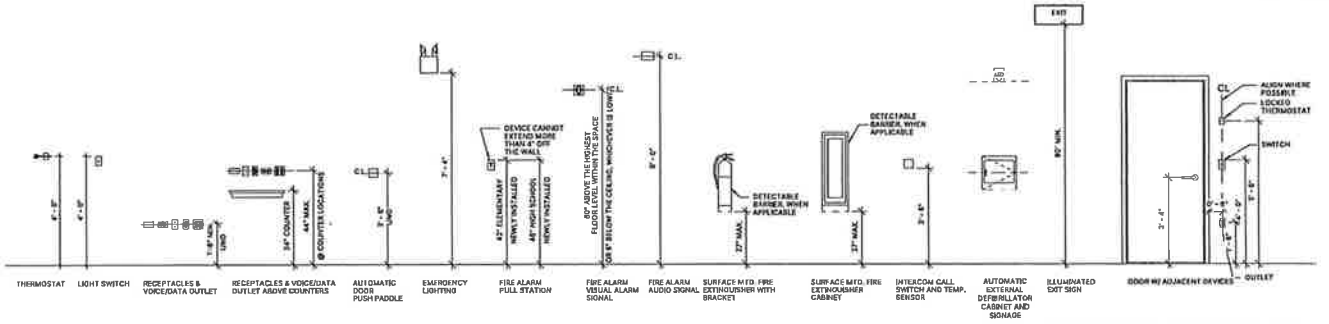
ACCESSIBILITY LEVEL CHANGES
1/2" = 1'-0" | 4



ACCESSIBILITY SINGLE ADA
1/2" = 1'-0" | 3



ACCESSIBILITY TYP. RESTROOM MOUNTING HEIGHTS
1/2" = 1'-0" | 2



ACCESSIBILITY TYP. MOUNTING HEIGHT
1/2" = 1'-0" | 1

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ACCESSIBILITY

G-010



OFFICE PHOTO 6



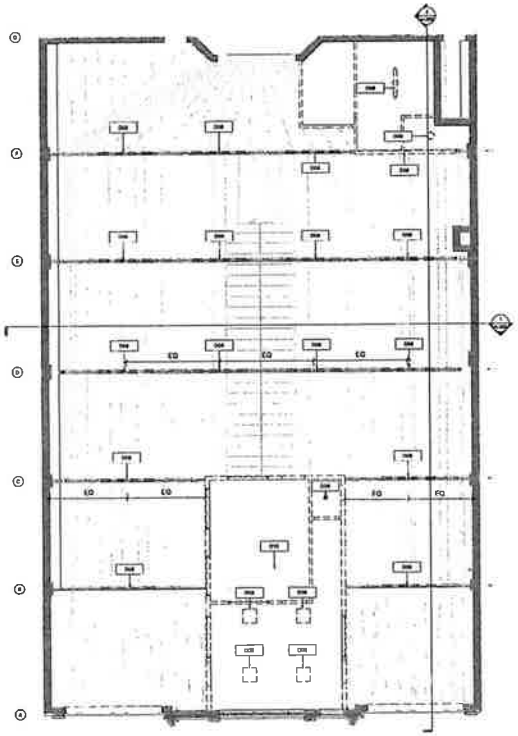
OFFICE PHOTO 5



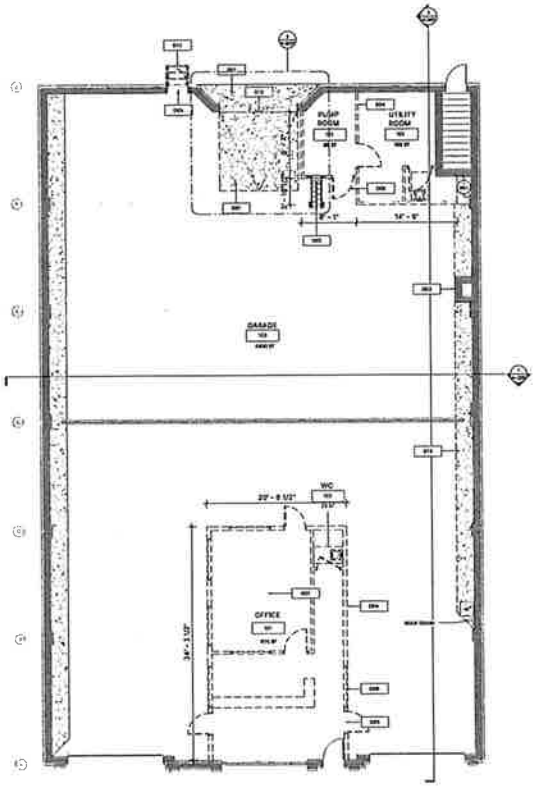
REAR INTERIOR PHOTO 4



FRONT INTERIOR PHOTO 3



FIRST FLOOR DEMO REFLECTED CEILING PLAN 2



FIRST FLOOR DEMOLITION PLAN 1

DEMOLITION NOTES

REFERENCE
1. SEE DEMOLITION REFLECTED CEILING PLANS FOR EXTENT OF DEMOLITION TO CEILINGS
2. SEE DEMOLITION ELEVATIONS FOR ADDITIONAL INFORMATION

DEMOLITION EXTENTS
1. G.C. TO VERIFY ALL MEASUREMENTS IN FIELD PRIOR TO START OF CONSTRUCTION
2. ALL EXTERIOR WALLS TO REMAIN & BE PROTECTED
3. ALL WINDOWS TO BE REMOVED UNLESS NOTED
4. EXISTING WINDOW TREATMENT TO REMAIN AND BE PROTECTION WRAPPED THEN CLEANED DURING POST-CONSTRUCTION; UNLESS OTHERWISE NOTED. REPAIR OR REPLACE ALL DAMAGED OR MISSING WINDOW
5. ALL INTERIOR DOORS TO BE SALVAGED FOR REUSE
6. ALL INTERIOR TRIM TO BE SALVAGED FOR REUSE WHEN APPLICABLE
7. COORDINATE SIZES OF NEW WALL OPENINGS IN EXISTING PARTITIONS WITH DIMENSIONS ON NEW PLAN LAYOUT, ELEVATIONS, DOOR SCHEDULE AND ANY DOOR ASSEMBLIES TO BE REUSED
8. EXISTING LIGHT FIXTURES, SPEAKERS, CEILING MOUNTED EQUIPMENT, EXIT SIGNS, AND LIFE SAFETY DEVICES TO REMAIN; UNLESS OTHERWISE NOTED. ALL ELECTRICAL TERMINATIONS TO BE PERFORMED BY ELECTRICAL CONTRACTOR
9. THE EXISTING SPRINKLER SYSTEM IS TO REMAIN IN SERVICE FOR THE DURATION OF DEMOLITION PHASE. EXISTING SPRINKLER HEADS MAY BE RELOCATED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT; SEE SPRINKLER DWGS BY OTHERS

KEYNOTES

D01	PREP RAMP FOR INFILL
D02	DEMO STAIR LADDER
D03	DEMO EXHAUST VENT
D04	DEMO FRAME WALL
D05	DEMO DOOR AND FRAME
D07	DEMO FINISHES
D08	DEMO LIGHT FIXTURES
D09	DEMO WINDOWS
D10	DEMO CEILING
D12	DEMO STAIR
D13	DEMO ROLLUP GARAGE DOOR AND FRAME
D14	DEMO CONCRETE PAD

DEMO PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- PARTITION TO BE REMOVED
- DOOR, FRAME, AND HARDWARE TO BE REMOVED
- KEYNOTE TAG
- ROOM NAME / ROOM TAG
- WATER METER
- WATER HEATER

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FIRST FLOOR DEMOLITION PLAN

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STREETVIEW 6



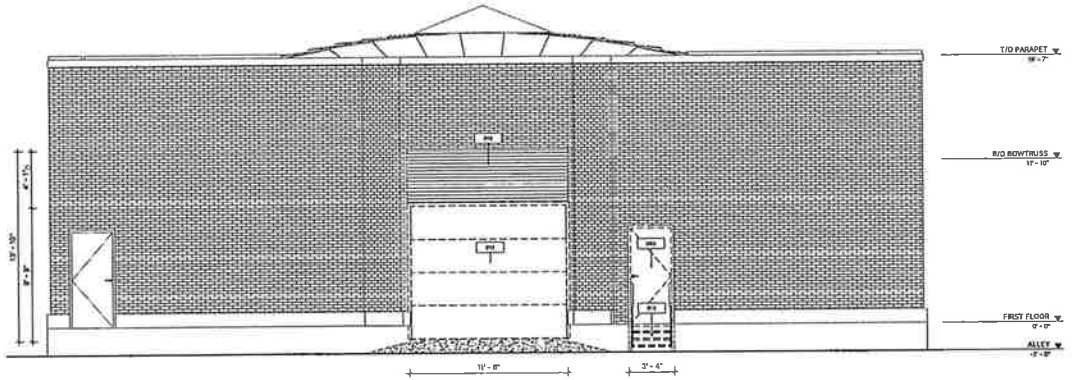
ALLEY GARAGE DOOR 5



REAR DOOR 4

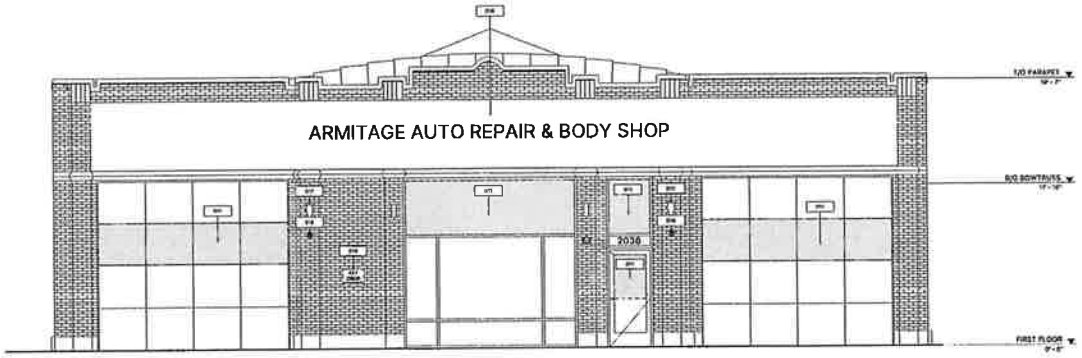


BASEMENT DOOR 3



NORTH DEMO ELEVATION 2

1/4" = 1'-0"



SOUTH DEMO ELEVATION 1

1/4" = 1'-0"

DEMOLITION NOTES

REFERENCE

1. SEE DEMOLITION REFLECTED CEILING PLANS FOR EXTENT OF DEMOLITION TO CEILING
2. SEE DEMOLITION ELEVATIONS FOR ADDITIONAL INFORMATION

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8. EXISTING LIGHT FIXTURES, SPEAKERS, CEILING MOUNTED EQUIPMENT, EXIT SIGNS, AND LIFE SAFETY DEVICES TO REMAIN UNLESS OTHERWISE NOTED. ALL ELECTRICAL TERMINATIONS TO BE PERFORMED BY ELECTRICAL CONTRACTOR
9. THE EXISTING SPRINKLER SYSTEM IS TO REMAIN IN SERVICE FOR THE DURATION OF DEMOLITION PHASE. EXISTING SPRINKLER HEADS MAY BE RELOCATED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT; SEE SPRINKLER DWGS BY OTHERS

KEYNOTES

D05	DEMO DOOR AND FRAME
D11	DEMO AUTO SHOP SIGNAGE
D12	DEMO STAIR
D13	DEMO ROLLUP GARAGE DOOR AND FRAME
D15	DEMO VINYL SIDING INFILL
D18	DEMO AWNING
D17	DEMO GARAGE STROBE LIGHTING
D18	SECURITY CAMERAS TO REMAIN
D18	DEMO KEY DROP SLOT

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DEMOLITION ELEVATIONS

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FITNESS EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MODEL	DIMENSIONS (W x L x H)	FINISH	REMARKS
FE1	WALL-MOUNTED BIKE RACK				
FE2	ADJUSTABLE WORKOUT BENCH				
FE3	SQUAT RACK	ROGUE MONO-LIFT	8' X 14' X 9'		
FE4	DUMBBELL RACK				
FE5	ROW-ERG MACHINE	ROGUE CONCEPT2 ROWERG ROWER	24" X 88" X 14"		
FE6	CURVE TREADMILL	ROGUE WOODWAY CURVE LTG TREADMILL	74" X 41" X 70"		
FE7	CABLE MACHINE				
FE8	GLUTE HAM DEVELOPER	ROGUE GH-1 GLUTE HAM DEVELOPER	45" X 88" X 49"		
FE9	SLED PAD MACHINE	ROGUE CONCEPT2 SKIERG	74" X 56" X 85"		

PLAN NOTES

PARTITIONS

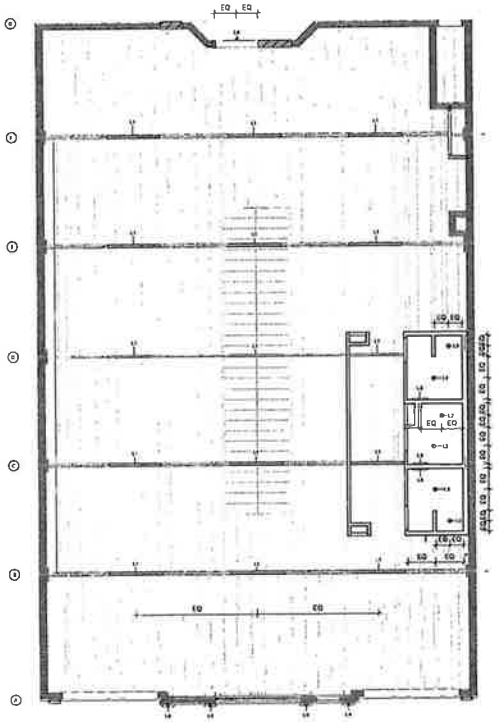
1. TYPE "A-2" UNLESS OTHERWISE NOTED. INFILL WALL PARTITIONS, BETWEEN EXISTING WALL PARTITIONS, SHALL MATCH THE ADJACENT WALL PARTITION FOR CONSTRUCTION, THICKNESS, ACOUSTICAL AND/OR FIRE RATING
2. PROVIDE BULLNOSE CMU AT ALL OUTSIDE CORNERS EXPOSED TO VIEW
3. ELECTRICAL, IDF AND LAN ROOMS TO RECEIVE FRT PLYWOOD BACKBOARD. REFER TO ELECTRICAL AND TELECOM DRAWINGS FOR LOCATIONS
4. ALL WALLS SHALL EXTEND TO FLOOR OR ROOF DECK ABOVE U.N.O. - SEE TYPICAL DETAILS
5. ALL DOOR OPENINGS ARE 4" FROM THE CLOSEST PERPENDICULAR PARTITION U.N.O.
6. PROVIDE FIRE TREATED WOOD BLOCKING OR 16 GAUGE SHEET METAL PANELS IN WALL CAVITY AS REQUIRED TO ANCHOR MILLWORK, FIXTURES, FURNITURE PRODUCTS, LIGHTING, COAT RODS, WALL-MOUNTED FLAT SCREEN TV'S, SHELVING PANEL STANDARDS, WALL MOUNTED CLOSERS, GRAB BARS, MARKER / TACK BOARDS, ETC

KEYNOTES

101	MERCHANDISE DISPLAY
102	TOWEL + TRASH DISPOSAL
103	NEW DECK + STEPS
104	EXISTING WATER HEATER
105	EXISTING WATER METER
106	EXISTING ROOF DRAIN

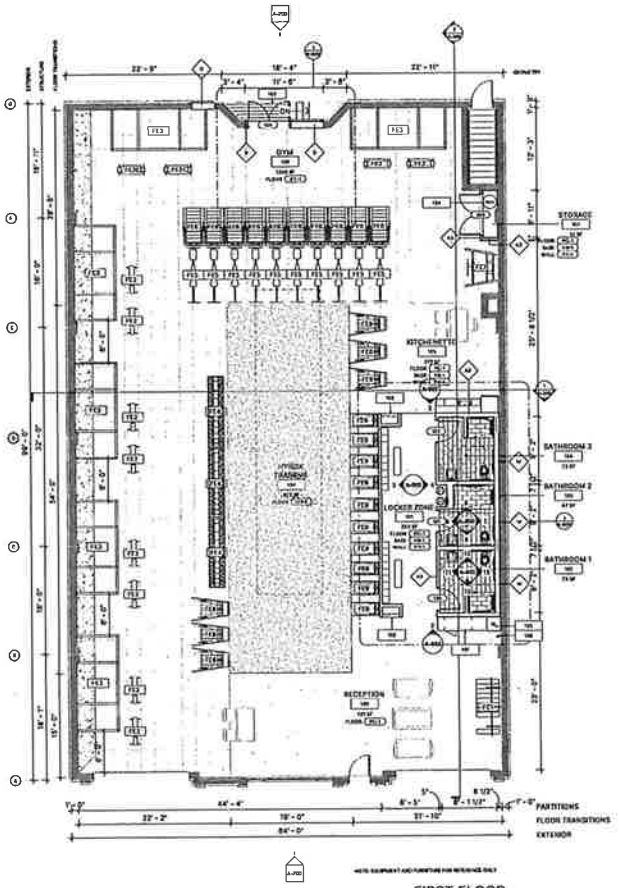
PLAN LEGEND

- EXISTING PARTITION
- NEW PARTITION
- NEW DOOR
- DOOR TAG
- PARTITION TAG (PARTITION MARK; SEE PLANS AND PARTITION TYPES FOR ADDITIONAL INFORMATION)
- EQUIPMENT TAG (SEE TYPICAL FIXTURE AND EQUIPMENT SHEET)
- KEYNOTE TAG (KEYNOTE #)
- ROOM TAG (ROOM NAME; ROOM NUMBER; FINISHES)
- WINDOW TAG
- REVISION TAG
- 24" x 24" INTERLOCKING RUBBER TILE FLOORING
- ARTIFICIAL TURF GRASS FLOORING
- SEALED EXISTING CONCRETE FLOOR
- CERAMIC TILE
- WATER METER
- WATER HEATER



FIRST FLOOR REFLECTED CEILING PLAN 12

1/8" = 1'-0"



FIRST FLOOR 11

1/8" = 1'-0"

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FIRST FLOOR

A-100

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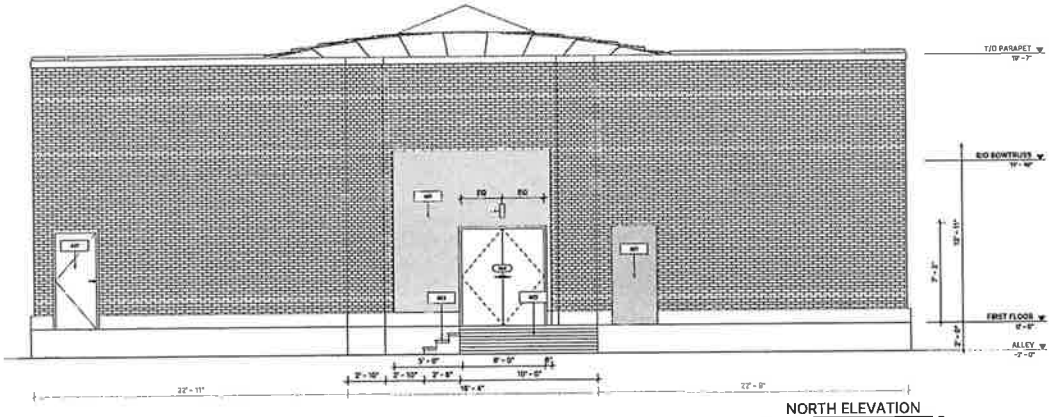
CORRUGATED SIDING INSPIRATION



RIBBED SIDING INSPIRATION

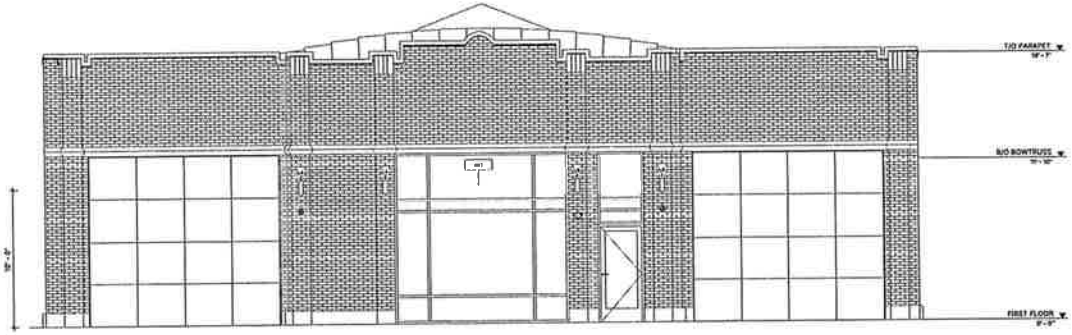


FIBER CEMENT SIDING INSPIRATION



NORTH ELEVATION 2

1/4" = 1'-0"



SOUTH ELEVATION 1

1/4" = 1'-0"

ELEVATION NOTES

REFERENCE
1. SEE DOOR SCHEDULE FOR EXTERIOR DOORS AND FRAMES FINISHES
2. SEE GLASS AND METAL SCHEDULE FOR SPECIFICATIONS
3. SEE FLOOR PLAN SHEETS FOR WINDOW TYPE DESIGNATIONS

COORDINATION WITH OTHER TRADES
1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO BUILDING-MOUNTED EXTERIOR LIGHTING

DIMENSIONS / LAYOUT
1. ALL DIMENSIONS FOR CURTAINWALL INTERMEDIATE FRAMING MEMBERS ARE TO THE CENTERLINE OF THE FRAME

FINISHES
1. ALL EXTERIOR GLAZING IS GT LINO
2. PRE-FINISHED LOUVERS, FASCIA, AND METAL COPING TO MATCH ADJACENT FINISH USING MANUFACTURERS COLOR EQUIVALENT

KEYNOTES

#01 BUCKTOWN ASSEMBLY BRANDING W/ SIDING OPTION
#02 NEW FRAMED DECK
#03 NEW FRAMED STEPS

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BUCKTOWN ASSEMBLY

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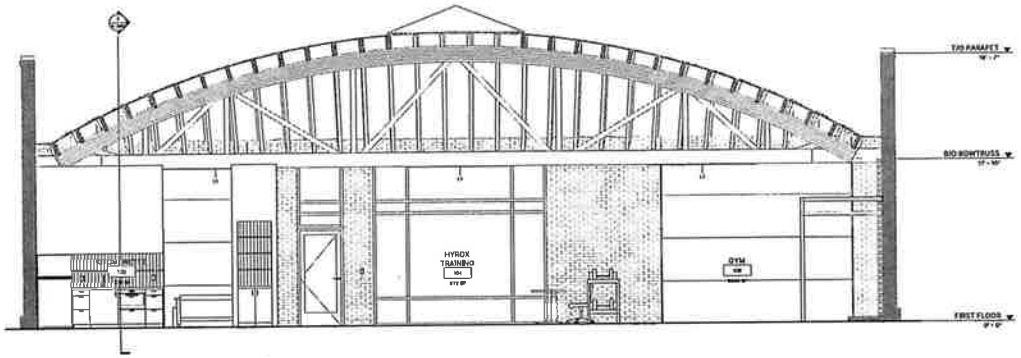
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2519	XX	XX

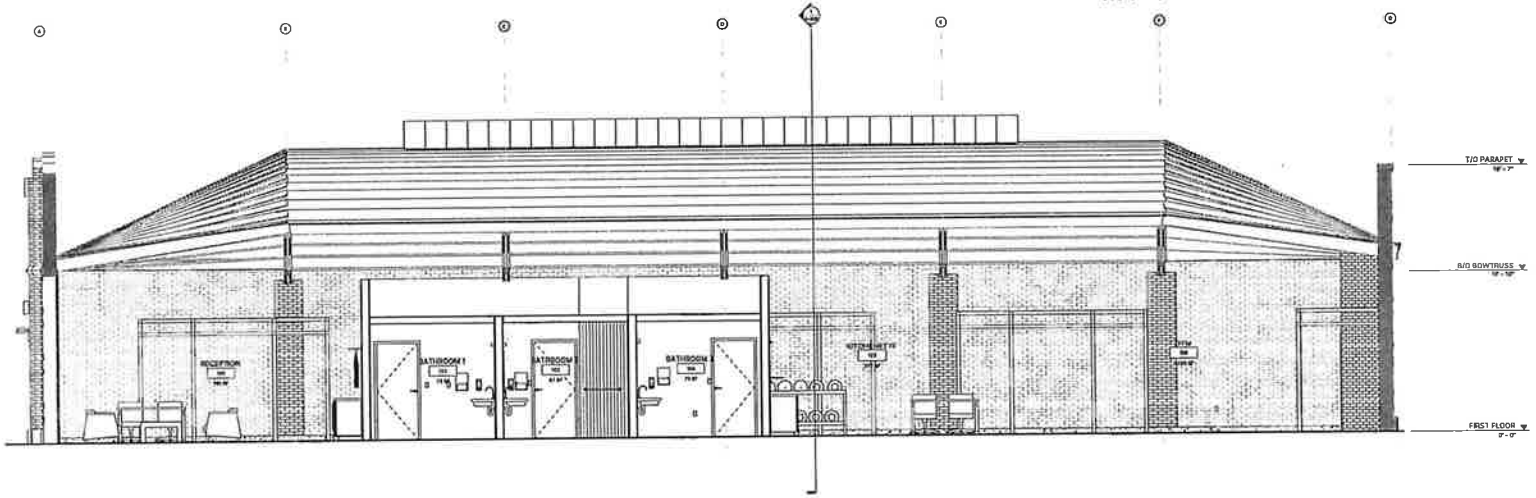
EXTERIOR ELEVATIONS

A-200

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BUILDING SECTION 1



BUILDING SECTION 1

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BUCKTOWN ASSEMBLY

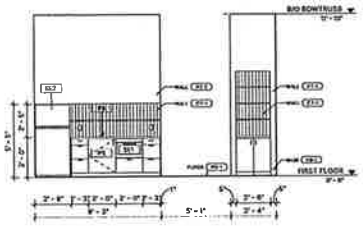
2036 W ARMITAGE AVE
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NO.	DATE	DESCRIPTION

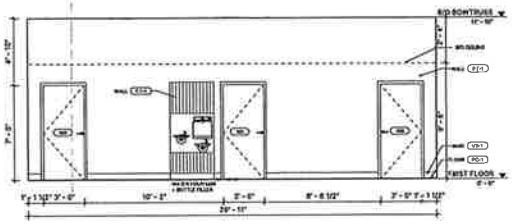
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2516	ED	KD

BUILDING SECTIONS

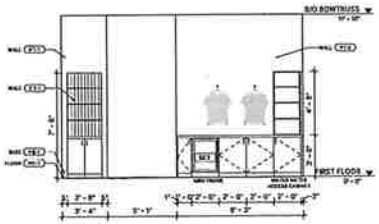
A-300



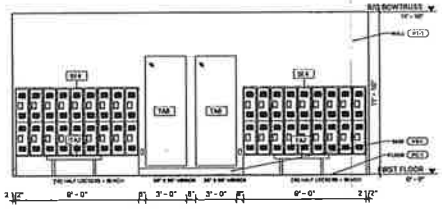
KITCHENETTE ELEVATION
1/4" = 1'-0" | 3



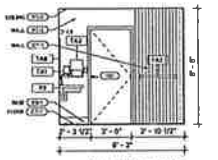
BATHROOM WALL ELEVATION
1/4" = 1'-0" | 4



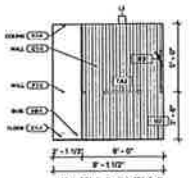
MERCHANDISE WALL ELEVATION
1/4" = 1'-0" | 2



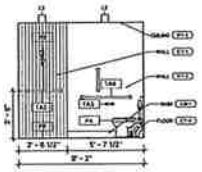
LOCKER WALL ELEVATION
1/4" = 1'-0" | 5



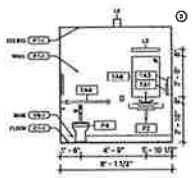
BATH 2 ELEV 1
1/4" = 1'-0" | 9



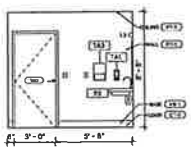
BATH 2 ELEV 2
1/4" = 1'-0" | 6



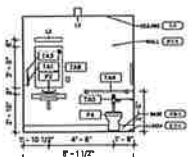
BATH 2 ELEV 3
1/4" = 1'-0" | 7



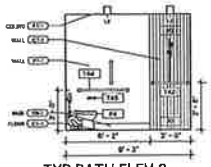
BATH 2 ELEV 4
1/4" = 1'-0" | 8



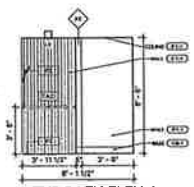
TYP BATH ELEV 1
1/4" = 1'-0" | 11



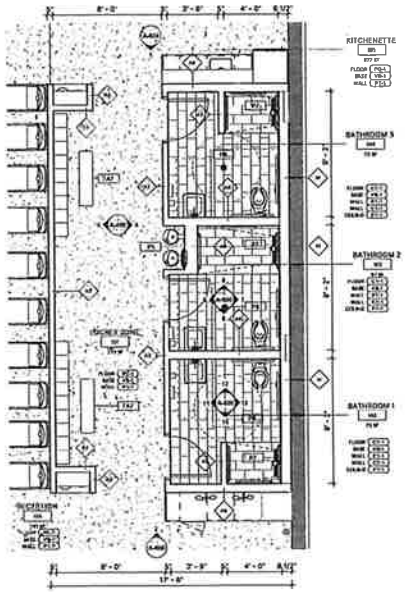
TYP BATH ELEV 2
1/4" = 1'-0" | 12



TYP BATH ELEV 3
1/4" = 1'-0" | 13



TYP BATH ELEV 4
1/4" = 1'-0" | 10



ENLARGED PLAN
1/4" = 1'-0" | 1

PLAN NOTES

PARTITIONS

1. TYPE "A-3"; UNLESS OTHERWISE NOTED. INFILL WALL PARTITIONS, BETWEEN EXISTING WALL PARTITIONS, SHALL MATCH THE ADJACENT WALL PARTITION FOR CONSTRUCTION, THICKNESS, ACOUSTICAL AND/OR FIRE RATING
2. PROVIDE BULLNOSE CMU AT ALL OUTSIDE CORNERS EXPOSED TO VIEW
3. ELECTRICAL, IDF AND LAN ROOMS TO RECEIVE FRT PLYWOOD BACKBOARD. REFER TO ELECTRICAL AND TELECOM DRAWINGS FOR LOCATIONS
4. ALL WALLS SHALL EXTEND TO FLOOR OR ROOF DECK ABOVE UNO - SEE TYPICAL DETAILS
5. ALL DOOR OPENINGS ARE 4" FROM THE CLOSEST PERPENDICULAR PARTITION UNO
6. PROVIDE FIRE TREATED WOOD BLOCKING OR 18 GAUGE SHEET METAL PANELS IN WALL CAVITY AS REQUIRED TO ANCHOR MILLWORK, FIXTURES, FURNITURE PRODUCTS, LIGHTING, COAT ROADS, WALL-MOUNTED FLAT SCREEN TVS, SHELVING PANEL STANDARDS, WALL MOUNTED CLOSERS, GRAB BARS, MARKER / TACK BOARDS, ETC

KEYNOTES

PLAN LEGEND

- EXISTING PARTITION
- NEW PARTITION
- NEW DOOR
- DOOR TAG
- PARTITION TAG
  PARTITION MARK
  SEE FLOOR AND PARTITION TYPES FOR ADDITIONAL INFORMATION
- EQUIPMENT TAG
  SEE FLOOR PLAN FOR FIXTURE AND SPECIAL EQUIPMENT MARK
- KEYNOTE TAG
  KEYNOTE #
- ROOM NAME / ROOM TAG
  ROOM NAME
  ROOM NUMBER
  ROOM SQUARE FOOTAGE
- WINDOW TAG
  SILL HEIGHT AFF
- REVISION TAG
  ISSUED BY | DATE
- 24" x 24" INTERLOCKING RUBBER TILE FLOORING
- ARTIFICIAL TURF GRASS FLOORING
- SEALED EXISTING CONCRETE FLOOR
- CERAMIC TILE
- WATER METER
- WATER HEATER

LATENT

1008 S. MICHIGAN AVE., SUITE 700, CHICAGO, IL 60605
312-214-1468 | @latent_studio | www.latentdesign.co

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STATE OF ILLINOIS
[illegible]-0.PDF
REGISTERED ARCHITECT

EXP: 11-30-2026

BUCKTOWN ASSEMBLY

2036 W ARMITAGE AVE
CHICAGO, IL 60647

NO.	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	ED	KD

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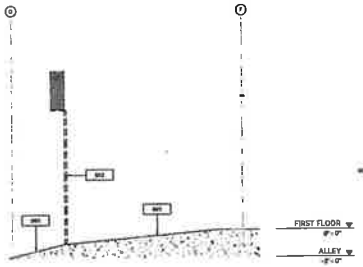
ENLARGED PLANS

A-600

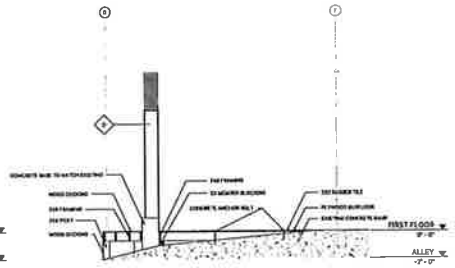
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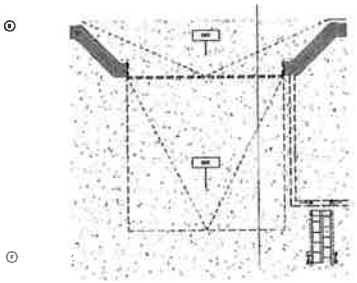
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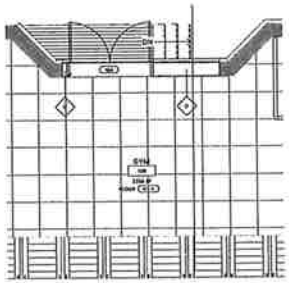
RAMP DEMO DETAIL
1/4" = 1'-0" | 4



RAMP INFILL DETAIL
1/4" = 1'-0" | 3



EXISTING RAMP ENLARGED PLAN
1/4" = 1'-0" | 2



RAMP INFILL ENLARGED PLAN
1/4" = 1'-0" | 1

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LATENT

KEYNOTES

D01 PREP RAMP FOR INFILL
D13 DEMO ROLL UP GARAGE DOOR AND FRAME

PLAN LEGEND

EXISTING PARTITION
NEW PARTITION
NEW DOOR
DOOR TAG
PARTITION TAG
EQUIPMENT TAG
KEYNOTE TAG
ROOM TAG
WINDOW TAG
REVISION TAG
24" x 24" INTERLOCKING RUBBER TILE FLOORING
ARTIFICIAL TURF GRASS FLOORING
SEALED EXISTING CONCRETE FLOOR
CERAMIC TILE
WATER METER
WATER HEATER

NOT FOR CONSTRUCTION

BUCKTOWN ASSEMBLY

2038 W ARMITAGE AVE
CHICAGO, IL 60647

NO	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	EB	XD

DETAILS

A-800

DOOR SCHEDULE

MARK	# OF LEAVES	DOOR SIZE: WIDTH	DOOR SIZE: HEIGHT	DOOR PANEL: THICKNESS	DOOR PANEL: TYPE	DOOR PANEL: MATERIAL	DOOR PANEL: FINISH	DOOR PANEL: GLAZING	DOOR PANEL: REQUIRED WIDTH	LOCK	DOOR FRAME: TYPE	DOOR FRAME: MATERIAL	DOOR FRAME: FINISH	DOOR FRAME: THICKNESS	DOOR FRAME: DETAILS: SILL	DOOR FRAME: DETAILS: JAMB	DOOR FRAME: DETAILS: HEAD	HW SET	FIRE RATING	STC RATING	SECURITY	REMARKS
100	1	3' - 0"	7' - 0"	0' - 1 3/4"	A						F1											BATHROOM 1 DOOR
101	1	3' - 0"	7' - 0"	0' - 1 3/4"	A						F1											BATHROOM 2 DOOR
102	1	3' - 0"	7' - 0"	0' - 1 3/4"	A						F1											BATHROOM 3 DOOR
103		6' - 0"	7' - 0"	0' - 1 3/4"	B						F1											STORAGE CLOSET DOOR
104		6' - 0"	7' - 0"	0' - 1 3/4"	B						F2											REAR ALLEY DOOR

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	LAMP	DRIVER	DIMMING LEVEL	VOLTAGE	MANUFACTURER	CATALOGUE NUMBER	COUNT	LOCATION	FINISH	FURNISH / INSTALL	REMARKS
L1	LINEAR LIGHT					LUMENWERX		15				
L2	RECESSED CAN LIGHT 6"							7				
L3	SCONCE RECTANGLE LIGHT							3				
L4	SCONE CYLINDER LIGHT							6				

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	ACCESSORIES	FINISH	FURNISH / INSTALL	REMARKS
P1	WATER FOUNTAIN AND BOTTLE FILLER	ELKAY	LZWS-1EPPM117K				
P2	BATHROOM FAUCET	BRADLEY CORPORATION	5-VA25		WELDHED SS	OFCI	
P3	HANDHELD SHOWERHEAD					OFCI	
P4	FLOOR-MOUNTED TOILET						
P5	KITCHENETTE SINK	ELKAY	LUSTERTONE CLASSIC STAINLESS STEEL				
P6	KITCHEN FAUCET				BRUSHED SS	OFCI	
P7	3/4" VARIABLE SHOWER DRAIN					OFCI	
P8	ROUND FLOOR DRAIN					OFCI	

TOILET ACCESSORIES

MARK	DESCRIPTION	MANUF.	MODEL	FINISH	FURNISH/INSTALL	REMARKS
TA1	BATHROOM SOAP DISPENSER	MITHCLINICS			OFCI	
TA2	42" ADA SHOWER GRAB BAR	KOHLER	K-10545-S		OFCI	
TA3	NAPKIN DISPOSAL				OFCI	
TA4	ADA TOILET GRAB BARS				OFCI	
TA5	TOILET PAPER DISPENSER				OFCI	
TA6	36"X96" MIRROR				OFCI	
TA7	48" LOCKER BENCH	ULINE	H-200901LK		OFCI	
TA8	24"X36" MIRROR				OFCI	

FINISH SCHEDULE

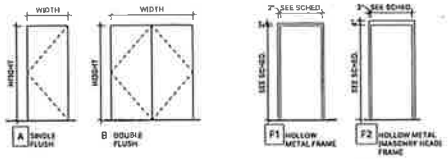
MARK	DESCRIPTION	MANUFACTURER	STYLE	COLOR/ MATERIAL	COMMENTS	CONTACT
BASE						
VB-1	VINYL BASE	MANUF.	SERIES	COLOR	COMMENTS	
FLOOR						
CT-1	CERAMIC TILE	MANUF.	SERIES	COLOR	COMMENTS	
HT-1	HYBRID TURF	MANUF.	SERIES	COLOR	COMMENTS	
PC-1	POLISHED CONCRETE	MANUF.	SERIES	COLOR	COMMENTS	
RT-1	RUBBER TILE	MANUF.	SERIES	COLOR	COMMENTS	
PAINT						
CT-1	CERAMIC TILE	MANUF.	SERIES	COLOR	COMMENTS	
PT-1	PAINT	MANUF.	SERIES	COLOR	COMMENTS	
T-1	PAINT	MANUF.	SERIES	COLOR	COMMENTS	

ROOM FINISH SCHEDULE

NO	NAME	FLOOR FINISH	WALL BASE	WALL FINISH	CEILING FINISH	COMMENTS
FIRST FLOOR						
100	RECEPTION	PC-1	-	-	-	SANDBLASTED MASONRY + TRUSSES
101	LOCKER ZONE	PC-1	VB-1	PT-1	-	
102	BATHROOM 1	CT-1	VB-1	PT-1	PT-1	CT-1 WALL AT SHOWER
103	BATHROOM 2	CT-1	VB-1	PT-1	PT-1	CT-1 WALL AT SHOWER
104	BATHROOM 3	CT-1	VB-1	PT-1	PT-1	CT-1 WALL AT SHOWER
106	HYBRID TRAINING	HT-1	-	-	-	
105	KITCHENETTE	PC-1	VB-1	PT-1	-	CT-1 WALL AT BACKSPLASH
108	GYM	RT-1	-	-	-	SANDBLASTED MASONRY + TRUSSES
107	STORAGE	PC-1	VB-1	PT-1	PT-1	

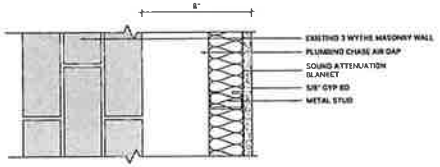
HARDWARE SCHEDULE

QTY.	DESCRIPTION	MANUFACTURER	MODEL	FINISH	REMARKS
SET 01 - DOOR TYPE					
3	HINGES	IVAGER	BB1175 (4.5" X 4.5" NRP)	US26D	
1	CLASSROOM LOCKSET	SCHLAGE		US26D	
1	CLOSER	LCN	4040XP	US26D	
1	WALL STOP	IVES	140	US26D	
	SILENCERS				



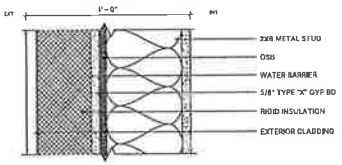
DOOR PANEL TYPES 1/4" = 1'-0" | 3

DOOR FRAME TYPES 1/4" = 1'-0" | 2



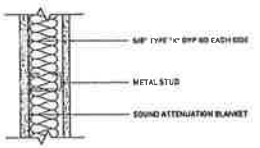
TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	GYP BD THICKNESS	INSULATION THICKNESS	TOTAL THICKNESS	FIRE RATING	TESTED ASSEMBLY NUMBER	STC RATING
M	3 5/8"	25 GA	16"	5/8"	3 1/2"	8"	-	-	-

PARTITION TYPE M PLAN DETAIL 3" = 1'-0" | 4



TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	GYP BD THICKNESS	INSULATION THICKNESS	TOTAL THICKNESS	FIRE RATING	TESTED ASSEMBLY NUMBER	STC RATING
D	3 1/2"	25 GA	16"	5/8"	3"	10"	2HR	U419	-

PARTITION TYPE D 3" = 1'-0" | 5



TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	GYP BD THICKNESS	INSULATION THICKNESS	TOTAL THICKNESS	FIRE RATING	TESTED ASSEMBLY NUMBER	STC RATING
A2	2 1/2"	25 GA	16"	1/2" X2	3 1/2"	5 1/2"	1HR	U465	42
A3	3 5/8"	25 GA	16"	5/8" X2	3 1/2"	6 7/8"	1HR	U465	45
A4	3 5/8"	25 GA	16"	5/8" X2	3 1/2"	7 1/4"	1HR	U465	47

PARTITION TYPE A PLAN DETAIL 3" = 1'-0" | 1

LATENT

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BUCKTOWN ASSEMBLY

2036 W ARMITAGE AVE
CHICAGO, IL 60647

NO.	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	ED	ED

SCHEDULES

A-901

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MECHANICAL NOTES

1. ALL WORK PERFORMED AND EQUIPMENT INSTALLED SHALL CONFORM TO ALL APPLICABLE CITY OF CHICAGO CODES.
2. OUTSIDE AIR INTAKES SHALL BE 10'-0" ABOVE GRADE AND A MINIMUM OF 10'-0" FROM ALL EXHAUST AIR AND SOURCES OF CONTAMINATION. MAXIMUM VELOCITY THROUGH OUTSIDE AIR INTAKE LOUVERS AND DUCTWORK SHALL NOT EXCEED 1000 FPM.
3. ALL NEW DUCTWORK SHALL BE FABRICATED OF NEW FIRST QUALITY GALVANIZED SHEET METAL UNLESS OTHERWISE NOTED. GAUGES OF METAL, SPACING, ETC. SHALL CONFORM TO THE LATEST EDITION OF ASHRAE CONSTRUCTION STANDARDS FOR DUCTWORK CONSTRUCTION.
4. SUPPLY AIR AND RETURN AIR FAN MOTORS EXPOSED TO DUCTED AIR STREAM(S) SHALL HAVE TOTALLY ENCLOSED MOTORS.
5. THE MAXIMUM SOUND PRESSURE LEVEL ("A-SCALE LEVELS" AT THE PROPERTY LINE BORDERING RESIDENTIAL AREAS SHALL NOT EXCEED 53db (A) FOR HVAC EQUIPMENT.
6. ALL REFRIGERANT PIPING SHALL BE TYPE "K" ANNEALED HARD COPPER TUBING.
7. ALL FITTINGS TO BE BRAZED.
8. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL A REFRIGERANT-RELIEF DISCHARGE PIPE FOR EACH REQUIRED REFRIGERATION SYSTEM. THE DISCHARGE PIPE OUTLET SHALL BE INSTALLED A MINIMUM OF 12'-0" ABOVE GROUND, A MINIMUM OF 10'-0" FROM ANY OPENING 20'-0" FROM ANY FIRE ESCAPE, AND SHALL DISCHARGE THROUGH A TURNED DOWN ELBOW.
9. CONTRACTOR SHALL PROVIDE PRESSURE RELIEF VALVE(S) AHEAD OF ANY STOP VALVE ON HIGH PRESSURE SIDE OF SYSTEM.
10. REMOVE EXPANSION VALVE DEVICES FROM THE AIR STREAM.
11. 3/8" SAFETY VALVE TO BE INSTALLED ON HIGH SIDE OF SYSTEM UPSTREAM FROM ANY LIQUID LINE STOP VALVE.
12. PROVIDE HUMIDIFYING DEVICE TO FURNACE.
13. PROVIDE LOCKING TYPE DAMPERS.
14. ALL REGISTERS ARE TO BE 12" X 8" UNLESS NOTED OTHERWISE.
15. PROVIDE CARBON MONOXIDE DETECTORS WITHIN 3'-0" OF HEATING UNITS.
16. HEATING UNIT TO BE CAPABLE OF HEATING WHEN OUTSIDE TEMP IS 10 DEGREES TO 70 DEGREES FARENHEIT.

CHICAGO BUILDING CODE ENERGY CONSERVATION

BELOW ARE PARTIAL MINIMUM REQUIREMENTS TO MEET THE CHICAGO BUILDING CODE - ENERGY CONSERVATION - GROUP 13(18-13):

1. HEATING AND COOLING LOAD CALCULATIONS TO BE DONE PER 2001 ASHRAE FUNDAMENTALS.
2. ALL EQUIPMENT AND SYSTEMS TO BE SIZED NO GREATER THAN NEEDED TO MEET CALCULATED LOADS. A SINGLE UNIT PROVIDING BOTH HEATING AND COOLING MUST SATISFY THIS PROVISION FOR ONE FUNCTION WITH TEN CAPACITY FOR THE OTHER FUNCTION AS SMALL AS FEASIBLE, WITHIN AVAILABLE EQUIPMENT OPTIONS.
3. EACH HEATING OR COOLING SYSTEM SERVING A SINGLE ZONE MUST HAVE ITS OWN TEMPERATURE CONTROL DEVICE.
4. EACH HUMIDIFICATION/DEHUMIDIFICATION SYSTEM MUST HAVE ITS OWN HUMIDITY CONTROL DEVICE.
5. THE SYSTEM OR ZONE CONTROL MUST BE A PROGRAMMABLE THERMOSTAT OR OTHER AUTOMATIC CONTROL CAPABLE OF MEETING THE FOLLOWING

REQUIREMENTS:
SETBACK TO 55°F (HEAT) AND 85°F (COOL)

5.2. AUTOMATIC SETBACK OR SHUTTING DOWN OF SYSTEMS DURING UNOCCUPIED HOURS ON 7-DAY SCHEDULE
5.3. ACCESSIBLE 2 HOUR OCCUPANT OVERRIDE
5.4. 10-HOUR BATTERY BACK-UP

1. SYSTEM MUST USE OUTSIDE AIR SOURCE FOR VENTILATION AS REQUIRED BY CHAPTER 4 OF THE INTERNATIONAL MECHANICAL CODE. IF THE VENTILATION SYSTEM IS DESIGNED TO SUPPLY OUTDOOR AIR QUANTITIES EXCEEDING MIN. REQUIRED LEVELS, THE SYSTEM MUST BE CAPABLE OF REDUCING OUTDOOR AIR-FLOW TO THE MIN. REQUIRED LEVEL.MECHANICAL FASTENERS AND SEALANTS, MASTICS, OR GASKETS MUST BE USED TO CONNECT DUCTS TO FANS AND OTHER AIR DISTRIBUTION EQUIPMENT, INCLUDING MULTIPLE-ZONE TERMINAL UNITS.
2. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK MUST BE SECURELY SEALED USING WELDMENTS, MECHANICAL FASTENERS WITH SEALS, GASKETS, OR MASTICS, MESH AND MASTIC SEALING SYSTEMS, OR TAPES. TAPES AND MASTICS MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A AND SHALL BE MARKED "181A-P" FOR PRESSURE SENSITIVE TAPE, "181A-M" FOR MASTIC OR "181A-H" FOR HEAT-SENSITIVE TAPE. TAPES AND MASTICS USED TO SEAL FLEXIBLE AIR DUCTS AND FLEXIBLE AIR CONNECTORS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED "181B-FX" FOR PRESSURE-SENSITIVE TAPE OR "181B-M" FOR MASTIC. UNLISTED DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.
3. OPERATION AND MAINTENANCE DOCUMENTATION SHALL BE PROVIDED TO OWNER/TENANT THAT INCLUDES THE FOLLOWING:
4. EQUIPMENT CAPACITY (INPUT AND OUTPUT) AND REQUIRED MAINTENANCE ACTIONS
5. EQUIPMENT OPERATION AND MAINTENANCE MANUALS
6. HVAC SYSTEM CONTROL MAINTENANCE AND CALIBRATION INFORMATION (INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCE DESCRIPTIONS) OR DESIRED OR FIELD-DETERMINED SET POINTS PERMANENTLY RECORDED ON CONTROL DRAWINGS, AT CONTROL DEVICES, OR (FOR DIGITAL CONTROL SYSTEMS) IN PROGRAMMING COMMENTS
7. COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.
8. THERMOSTATIC CONTROLS HAVE 5°F DEADBAND AUTHORITY HAVING JURISDICTION.
9. BALANCING DEVICES TO BE PROVIDED IN ACCORDANCE WITH INTERNATIONAL MECHANICAL CODE (2009) 802.17.
10. MOTORIZED, AUTOMATIC SHUTOFF DAMPERS REQUIRED ON EXHAUST AND OUTDOOR AIR SUPPLY OPENINGS.

ENERGY CODE COMPLIANCE

GENERAL NOTES
THIS BUILDING MUST COMPLY WITH THE CITY OF CHICAGO ENERGY CONSERVATION CODE PROVISIONS FOR A COMMERCIAL BUILDING.

AIR LEAKAGE
1. PROVISIONS FOR AIR LEAKAGE SHALL BE IN ACCORDANCE WITH SECTIONS 18-13-502.1.4.1 AND 18-13-502.1.4.2 OF THE CHICAGO ENERGY CONSERVATION CODE.
2. EXTERIOR JOINTS, SEAMS, OR PENETRATIONS IN THE BUILDING ENVELOPE, THAT ARE SOURCES OF AIR LEAKAGE SHALL BE SEALED WITH DURABLE CAULKING MATERIALS, CLOSED WITH GASKET SYSTEMS, TAPES OR COVERED WITH MOISTURE VAPOR-PERMEABLE HOUSE WRAP.
3. SEALING MATERIALS SPANNING JOINTS BETWEEN DISSIMILAR CONSTRUCTION MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION OF THE CONSTRUCTION MATERIALS.
4. THIS INCLUDES SEALING AROUND TUBS AND SHOWERS, AT ATTIC PANELS, AT RECESSED LIGHTS AND AROUND ALL PLUMBING AND ELECTRICAL PENETRATIONS. THESE ARE OPENINGS LOCATED IN THE BUILDING ENVELOPE BETWEEN CONDITIONED SPACES AND UNCONDITIONED SPACE OR BETWEEN THE CONDITIONED SPACE AND THE OUTSIDE.
5. CAULK OR SEAL LOCATIONS WHERE 2X SOLE PLATE MEET PLYWOOD SUBFLOOR.
6. CAULK OR SEAL LOCATIONS AT WINDOW HEADED AND WINDOW PERIMETER.
7. CAULK OR SEAL AROUND RECESSED LIGHTING FIXTURES BELOW UNCONDITIONED SPACES. WHEN USING RECESSED LIGHT FIXTURES IN A CEILING BELOW AN UNCONDITIONED SPACE SUCH AS AN ATTIC, USE AIR-TIGHT RECESSED FIXTURES TO SEAL UNWANTED AIR LEAKAGE.
8. WEATHER-STRIP ALL PERIMETER DOOR OPENINGS AND ATTIC ACCESS HATCHES.

AIR INFILTRATION
1. ALL EXTERIOR WALLS, JOINTS, SEAMS OR PENETRATIONS IN THE BUILDING ENVELOPE THAT ARE SOURCES OR AIR LEAKAGE SHALL BE COVERED WITH AIR INFILTRATION BARRIER / MOISTURE VAPOR-PERMEABLE HOUSE WRAP, SUCH AS "TYVEK" HOUSE WRAP.
2. TO INSURE MAXIMUM PRODUCT PERFORMANCE, INSTALL INFILTRATION BARRIER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PROCEDURES.
3. OVERLAP INFILTRATION BARRIER OVER ALL HEAD AND SILL FLASHING. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.

VAPOR RETARDERS
1. PROVIDE POLYETHYLENE SHEET VAPOR BARRIER ON "WARM-IN-WINTER" SIDE OF ALL NON-VENTED FRAMING CEILINGS, WALLS, AND FLOORS. VAPOR RETARDER MUST HAVE A PERM RATING OF <1.0 PER ASTM E-96-80.
2. FRONT-FACE STAPLE BATT INSULATION TO END OF 2X WALL STUDS. DO NOT STAPLE BATT INSULATION TO INSIDE FACE OF WALL STUDS OR COMPRESS INSULATION INTO WALL CAVITY.

MATERIALS AND EQUIPMENT INFORMATION
1. MATERIALS AND EQUIPMENT MUST BE INSTALLED IN ACCORDANCE WIT THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. MATERIALS AND EQUIPMENT MUST BE IDENTIFIED SO THAT COMPLIANCE CAN BE DETERMINED IN THE FIELD BY CITY INSPECTORS.
3. MANUFACTURER MANUALS FOR ALL INSTALLED HEATING COOLING EQUIPMENT AND SERVICE WATER HEATING EQUIPMENT MUST BE PROVIDED TO OWNER AND ARCHITECT.
4. INSULATION R-VALUES, GLAZING U-VALUES, AND HEATING EQUIPMENT EFFICIENCY MUST BE CLEARLY MARKED ON THE BUILDING PLANS OR SPECIFICATIONS.
5. RECESSED LIGHT FIXTURES MUST BE 1) TYPE IC RATED, OR 2) INSTALLED INSIDE AN APPROPRIATE AIR-TIGHT ASSEMBLY FOR A 3" CLEARANCE FROM COMBUSTIBLE MATERIALS. IF NON-IC RATED, THE FIXTURE MUST BE INSTALLED WITH A 3" CLEARANCE FROM INSULATION.
6. ALL MANUFACTURED WINDOWS MUST HAVE AN NFRC RATING LABEL ATTACHED WHICH IDENTIFIES ITS U-FACTOR RATING.

INSULATION
1. REQUIRED ENVELOPE INSULATION LEVELS ARE AS FOLLOWS:
   a. ALL EXTERIOR FOUNDATION WALL SURFACES MUST BE INSULATED TO R-7.5 OR GREATER. THE R0DS INSULATION EXTENDS FROM THE TOP OF FOUNDATION TO THE TOP OF FOOTING. A RIGID, SPARSUE, WEATHER-RESISTANT COVERING EXTENDS FROM THE TOP OF FOUNDATION TO 8" MIN. BELOW GRADE TO PROTECT RIGID INSULATION FROM DAMAGE DURING CONSTRUCTION.
   b. ALL CEILINGS / FLOORS WHICH SEPARATE UNCONDITIONED SPACE FROM CONDITIONED SPACE (ATTIC) OR FLOORS OVER OUTSIDE AIR (CANTILEVERED FLOORS) MUST BE INSULATED TO R-15.
2. A LETTER(S) OF COMPLIANCE FROM THE INSULATION CONTRACTOR CERTIFYING PLAN COMPLIANCE FOR UN-FACED OR BLOWN-IN APPLICATIONS MUST BE POSTED IN AREA WHERE INSULATION IS APPLIED.

DUCT INSULATION
1. DUCTS IN UNCONDITIONED SPACES MUST BE INSULATED TO R-15.
2. DUCTS OUTSIDE THE BUILDING MUST BE INSULATED TO R-8.3.
3. DUCTWORK FOR FURNACES LOCATED IN UNCONDITIONED SPACES MUST BE INSULATED TO R-5.

DUCT CONSTRUCTION
1. ALL JOINTS, SEAMS, AND CONNECTIONS MUST BE SECURELY FASTENED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-FABRIC, OR TAPES. DUCT TAPE IS NOT PERMITTED. USE UL181A OR UL181B DUCT SEALANT.
2. ALL LOW PRESSURE SUPPLY AND RETURNS MUST BE SEALED USING MASTIC WITH FIBROUS-BACKING TAPE. USE UL181A OR UL181B DUCT SEALANT.
3. DUCTS SHALL BE SUPPORTED EVERY 10'-0" OR IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. COOLING DUCTS WITH EXTERIOR INSULATION MUST BE COVERED WITH A VAPOR RETARDER.
5. AIR FILTERS ARE REQUIRED IN THE RETURN AIR SYSTEM.
6. THE HVAC SYSTEM MUST PROVIDE A MEANS FOR BALANCING AIR AND WATER SYSTEMS.

TEMPERATURE CONTROLS
1. THERMOSTATS ARE REQUIRED FOR EACH SEPARATE HVAC SYSTEM. A MANUAL OR AUTOMATIC MEANS TO PARTIALLY RESTRICT OR SHUT OFF THE HEATING AND / OR COOLING INPUT TO EACH ZONE OR FLOOR SHALL BE PROVIDED.

SERVICE WATER HEATING
1. WATER HEATERS WITH VERTICAL PIPE RISERS MUST HAVE A HEAT TRAP ON BOTH THE INLET AND OUTLET UNLESS THE WATER HEATER HAS AN INTEGRAL HEAT TRAP OR IS PART OF A CIRCULATING SYSTEM.
2. INSULATE CIRCULATING HOT WATER PIPES.

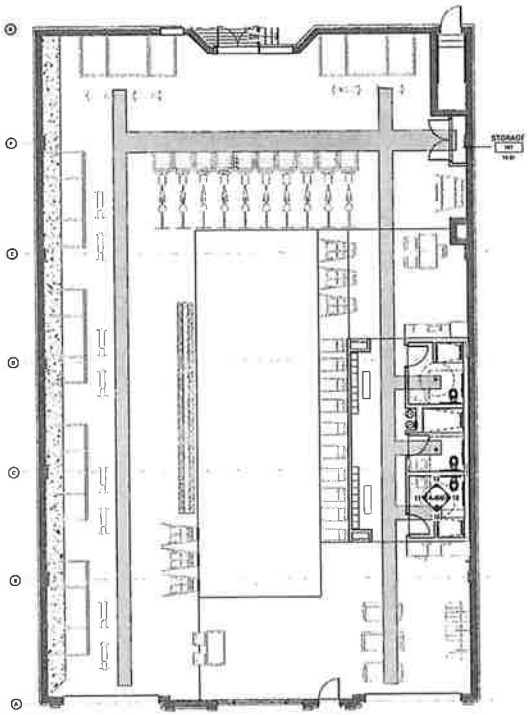
HVAC PIPING INSULATION
1. ALL A/C UNIT PIPES MUST BE INSULATED ONCE THEY ENTER INTO THE BUILDING. PIPE OPENINGS THROUGH EXTERIOR WALLS MUST BE CAULKED OR SEALED.
2. HVAC PIPING CONVEYING FLUIDS ABOVE 105 DEGREE F OR CHILLED FLUIDS BELOW 55 DEGREES F MUST BE INSULATED TO APPROPRIATE LEVELS.

MECHANICAL EQUIPMENT

MARK	DESCRIPTION	MANUF.	MODEL #	FINISH	COMMENTS

AIR TERMINAL SCHEDULE

MARK	DESCRIPTION	MANUF.	MODEL #	FINISH	COMMENTS



KEYNOTES

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BUCKTOWN ASSEMBLY

2036 W ARMITAGE AVE
CHICAGO, IL 60647

NO	DATE	DESCRIPTION

JOB NO	DRAWN BY	CHECKED BY
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MECHANICAL PLANS

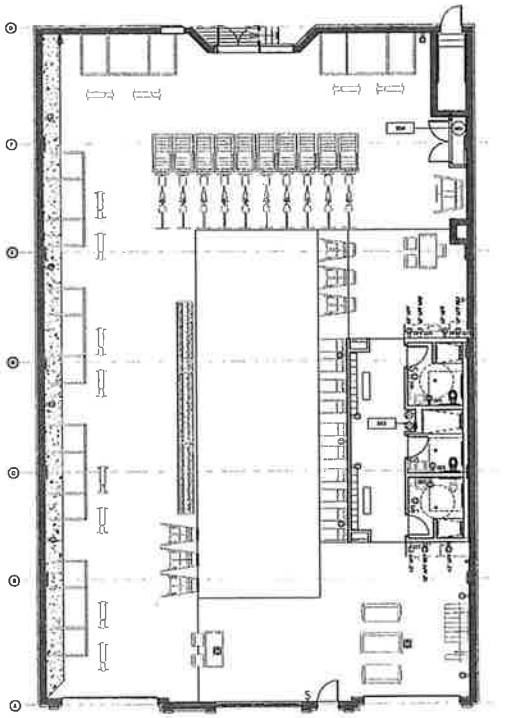
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GENERAL ELECTRICAL NOTES

1. THE EXISTING ELECTRICAL SERVICE SHALL BE NEW. ACCURATE MODIFICATION OF EXISTING PANELS TO BE PERFORMED BY CITY OF CHICAGO LICENSED ELECTRICIAN. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL POWER AND ELECTRICAL INFORMATION.
2. MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE CITY OF CHICAGO BUILDING CODE, NFPA, LFI SAFETY, NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL CODES AND REGULATIONS, INCLUDING OSHA. THESE CODES SHALL BE FOLLOWED AS MINIMUM PROVIDING HIGHER GRADES OF MATERIAL AND WORKMANSHIP WHERE REQUIRED BY THESE DOCUMENTS.
3. THE COMPLETE AND OPERATIONAL LIGHTING SYSTEM SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE AND ASHRAE 90.1
4. ALL PERMIT TESTS AND INSPECTIONS TO BE PERFORMED AS REQUIRED TO COMPLY WITH CITY OF CHICAGO CODES.
5. ALL PERMITS, FEES, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
6. THIS PROJECT SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF "ENERGY STAR FOR HOMES" AND SHALL BE INSPECTED AND TESTED BY A THIRD PARTY ENERGY RATER. (LEED-EA1 1-12)
7. CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS AND SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ANY EXISTING FIELD CONDITIONS PRIOR TO THE SUBMISSION OF THEIR BID. FAILURE TO DO SO WILL NOT RELIEVE CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THIS CONTRACT OR FROM ANY RELATED OBLIGATIONS.
8. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF ALL OTHER TRADES AND MAKING ANY NECESSARY MODIFICATIONS TO THEIR WORK AT NO ADDITIONAL COST, INCLUDING ANY OFFSETS REQUIRED.
9. CONTRACTOR TO FURNISH AND INSTALL ALL LABOR, MATERIAL, TOOLS, EQUIPMENT AND APPURTENANCES FOR A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM. WHERE THERE IS NO MENTION OF SPECIFICATION PARTICULARS FOR A SPECIFIC ITEM TO BE FURNISHED, INSTALLED, OR WIRED ON THE ELECTRICAL DRAWINGS, CONTRACTOR WILL BE RESPONSIBLE FOR A COMPLETE AND OPERATING SYSTEM FOR THIS ITEM.
10. CONTRACTOR TO PROVIDE AND INSTALL THE ENTIRE CONDUIT SYSTEM, INCLUDING BOXES, CABINETS, PANELS, ETC. TO ENSURE PROPER GROUND CONTINUITY THROUGHOUT THE SYSTEM. PROVIDE COMPLETE WIRE GROUP CONDUCTOR SYSTEM, #12 AWG MINIMUM, SIZED AND INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CITY OF CHICAGO CODE.
11. CONTRACTOR TO SUBMIT A COORDINATION LIST OF ALL FIXTURES, FITTINGS, AND EQUIPMENT, INCLUDING SPECIFICATIONS, FINISHES, AND RELATED INSTALLATION COMPONENTS, FOR REVIEW AND APPROVAL BY THE OWNER/ARCHITECT PRIOR TO PURCHASE. CONTRACTOR TO PROVIDE ALL WARRANTIES AND OPERATION/MAINTENANCE INSTRUCTIONS FOR EACH ITEM INSTALLED TO THE OWNER ALONG WITH EQUIPMENT CUTS AND CONTROL WIRING DIAGRAMS.
12. ANY EQUIPMENT WHICH IS TO BE RELOCATED AND RECONNECTED SHALL BE CAREFULLY EXAMINED FOR ANY DEFECTS AND TESTED PRIOR TO RELOCATION. ANY DEFECTS OR MALFUNCTIONS DETECTED SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER. EACH CONTRACTOR SHALL BEAR EXPENSES FOR ANY EQUIPMENT AND SHALL REPLACE WITH NEW EQUIPMENT OR PROPERLY REPAIR ANY DAMAGED EQUIPMENT TO THE SATISFACTION OF THE OWNER.
13. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING DELIVERY, RECEIVING, UNLOADING, UNCRATING, STORING, SETTING IN PLACE, AND PROTECTING FROM DAMAGE, VANDALISM, THEFT, OR WEATHER DURING CONSTRUCTION ALL NEW EQUIPMENT FURNISHED BY CONTRACTOR THIS SHALL ALSO APPLY TO ITEMS FURNISHED BY THE OWNER TO THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL COORDINATE THE ABOVE TO MEET THE PROJECT'S COMPLETION DATES AS ESTABLISHED BY THE OWNER.
14. CONTRACTOR TO COORDINATE MECHANICAL AND ELECTRICAL WORK WITH OTHER TRADES TO AVOID CONFLICTS AND DELAYS.
15. IT SHALL BE EACH CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE EXISTING BUILDING IN MECHANICAL AND ELECTRICAL OPERATION AT ALL TIMES. FOR ANY SHUT-OFFS CONTRACTOR SHALL CONSULT WITH THE OWNER AT OWNER'S CONVENIENCE, AND PRIOR NOTICE SHALL BE GIVEN.
16. CONTRACTOR SHALL ESTABLISH SAFE WORKING PROCEDURES FOR THE PROTECTION OF THE WORKMEN IN ALL PHASES OF WORK AND TAKE SUCH PROTECTIVE MEASURES AND PRECAUTIONS AS MAY BE REQUIRED OR NECESSARY TO PREVENT INJURIES OR ACCIDENTS, COMPLYING WITH THE APPLICABLE PROVISIONS OF ALL CITY, STATE, AND FEDERAL SAFETY LAWS (OSHA).
17. THE ELECTRICAL INSTALLATION IS TO BE IN STRICT ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF THE LOCAL UTILITY COMPANY REQUIREMENTS (E.G. ComEd).
18. ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
19. ALL INSTRUMENTS, APPARATUS, AND EQUIPMENT SHALL BE TESTED AND PROVED TO BE ELECTRICALLY AND MECHANICALLY CORRECT WITHOUT DEFECTS. THE ELECTRICAL SYSTEM SHALL BE TESTED FOR GROUNDS OR SHORTS. IF THE TROUBLE IS WITHIN THE CIRCUIT WIRING ALL SHORTED OR GROUNDED WIRES SHALL BE REPLACED AND RETESTED. ALL METERS, CABLES, EQUIPMENT OR APPARATUS NECESSARY FOR MAKING ALL TESTS SHALL BE FURNISHED AND PROVIDED BY CONTRACTOR.
20. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL REVIEW AND CHECK THE ENTIRE PORTION OF WORK, CLEAN EQUIPMENT AND DEVICES, REMOVE SURPLUS MATERIAL AND RUBBISH FROM THE OWNERS PROPERTY, LEAVING THE WORK IN A NEAT AND CLEAN ORDER AND IN COMPLETE WORKING CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY CARTONS, CRATES, ETC., FOR EQUIPMENT INSTALLED BY CONTRACTOR, OR FURNISHED BY OWNER.
21. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, DEVICES, EQUIPMENT, WORKMANSHIP AND THE SUCCESSFUL OPERATION OF ALL SYSTEMS AND APPARATUS INSTALLED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. ALL MATERIALS, DEVICES, AND EQUIPMENT TO BE INSTALLED SHALL HAVE CODE AUTHORITY APPROVAL FOR SUCH INSTALLATION AND HAVE PROPER UL LABELING.
22. THE DRAWINGS MAY NOT SHOW COMPLETE OR ACCURATE DETAILS OF THE BUILDING IN EVERY RESPECT. EXACT LOCATIONS AND RELATIONS ARE TO BE DETERMINED IN THE FIELD AND SHALL BE TO THE SATISFACTION OF THE ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL FIELD MEASUREMENTS.
23. ANY MENTION OF A SPECIFIC VOLTAGE ON THE ELECTRICAL DRAWINGS SHALL NOT RELIEVE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY THE VOLTAGE PRIOR TO PURCHASING OR ROUGH-IN WORK. CONTRACTOR SHALL SUBMIT A VOLTAGE COORDINATION FORM TO ALL PARTIES FURNISHING EQUIPMENT FOR VERIFICATION.
24. ALL CIRCUITS TO BE FED FROM NEW ELECTRICAL PANELS LOCATED IN THE BASEMENT. CIRCUIT AMPACITIES SHALL NOT EXCEED 80% OF THEIR RATED VALUES.
25. ALL LIGHTING SHALL BE CIRCUITED TO 120V, 20/1P CIRCUITS. EACH CIRCUIT NOT TO EXCEED 16 AMPS.
26. ALL 120/208V BRANCH CIRCUIT CONDUCTORS FROM THE PANELBOARD(S) TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 80'-0".
27. THE MAIN SERVICE DISCONNECT TO BE LOCATED ACCORDING TO CEC 18-27-230.71.
28. CONTRACTOR TO PROVIDE ALL WIRING, CONDUIT, DISCONNECTING MEANS, SERVICE RECEPTACLES, AND OVERCURRENT PROTECTION FROM THE ELECTRICAL PANELBOARDS FOR ALL PLUMBING AND MECHANICAL EQUIPMENT. COORDINATE MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS WITH MECHANICAL AND PLUMBING DRAWINGS.
29. MECHANICAL AND ELECTRICAL WORK TO BE COORDINATED WITH ALL TRADES, AND CONDUITS AND BOXES TO BE INSTALLED TO CLEAR PIPES, DUCTS AND OTHER STRUCTURAL FEATURES.
30. ALL PLUMBING, ELECTRICAL, MECHANICAL, AND OTHER WALL AND FLOOR PENETRATIONS ARE ALL JOINTS TO BE FULLY SEALED. ALL EXTERNAL CRACKS, JOINTS, PENETRATIONS, EDGES, ETC. SHALL BE SEALED WITH CAULKING. INSTALL BITUMINOUS MEMBRANE AT ALL ROOF PENETRATIONS AND FIRESTOP ALL PIPE AND DUCT PENETRATIONS AS REQUIRED.
31. GENERAL CONTRACTOR TO PROVIDE AND SEAL ALL ROOF PENETRATIONS RELATING TO ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO ELECTRICAL AND REFRIGERATION LINE CONNECTIONS TO THE REMOTE COMPRESSOR AND ELECTRIC AND GAS CONNECTIONS FOR FURNACES, WATER HEATERS, AND EXHAUST HOOD FANS.
32. ALL CUTTING AND PATCHING OF EXISTING PLASTER, DRYWALL, WOOD, CONCRETE, STRUCTURAL MEMBERS, ETC. REQUIRED FOR MECHANICAL, ELECTRICAL, AND PLUMBING WORK IS THE RESPONSIBILITY OF EACH TRADE CONTRACTOR. NOTIFY THE OWNER AND OBTAIN APPROVAL IN WRITING PRIOR TO CUTTING STRUCTURAL MEMBERS. CARE IS TO BE TAKEN THAT ALL CUTS OR CORING IS TO BE SQUARE WITH NO CHIPPING. ALL CUTTING AND CORING IS TO BE DONE WET IN ORDER TO MINIMIZE DUST AND DEBRIS. ALL CUTTING AND NOTCHING SHALL BE DONE IN ACCORDANCE WITH THE CHICAGO BUILDING CODE AND SHALL NOT REDUCE THE STRUCTURAL INTEGRITY OF THE MEMBER BEING ALTERED. NOTCHING JOISTS OR STUDS SHALL ONLY OCCUR IN AREAS INDICATED BY JOIST AND STUD NOTCHING DIAGRAM OR AS ALLOWED BY CCBC.
33. ELECTRICAL CONTRACTOR TO CLOSELY EXAMINE EXISTING ELECTRICAL WIRING, FUSES, OUTLETS, ETC. AND SHALL REPAIR OR REPLACE ALL UNSAFE AND OUTDATED INSTALLATIONS.
34. ALL EXISTING UNUSED AND ABANDONED CONDUIT, PIPING, DUCTWORK, ETC. THAT IS NOT TO BE REUSED SHALL BE REMOVED TO AVOID FUTURE CROSS CONNECTIONS AND COMPLICATIONS. WHERE EXISTING EQUIPMENT HAS BEEN MADE OBSOLETE BY THESE ALTERNATIONS AND ADDITIONS, AND IT IS IMPRACTICAL OR IMPOSSIBLE TO REMOVE SAME, CONTRACTOR SHALL CAP ALL DISSOLETE PIPING AND CONDUIT.
35. ELECTRICAL CONTRACTOR TO PERFORM FINAL CONNECTIONS TO KITCHEN EQUIPMENT AT THE TIME EQUIPMENT IS SET IN PLACE. INTER-WIRE EQUIPMENT AT FIELD JOINTS AND COMPONENTS LOCATED IN REMOTE AREAS.
36. ELECTRICAL CONTRACTOR TO DO ALL INTER-WIRING BETWEEN HOODS, FANS AND SWITCHES WHERE APPLICABLE. CONTRACTOR SHALL ALSO CONNECT STARTERS AS NEEDED, PROVIDE ELECTRICAL SERVICE, AND MOUNT LIGHT AND FAN SWITCHES.
37. CONTRACTOR SHALL VERIFY THE CEILING TYPE AND HEIGHT BEFORE ORDERING LIGHTING FIXTURES. SEE INTERIOR ELEVATIONS AND SECTIONS FOR CEILING HEIGHTS NOT LABELED ON REFLECTED CEILING PLAN.
38. REFER TO LIGHTING FIXTURE SCHEDULE AND REFLECTED CEILING PLAN FOR ALL FIXTURE LOCATIONS, TYPES, AND ADDITIONAL INFORMATION. ALL FIXTURES ARE TO BE REVIEWED AND APPROVED BY THE OWNER PRIOR TO ORDERING. CONTRACTOR IS TO SUBMIT A COORDINATION LIST OF ALL FIXTURES AND FITTINGS, INCLUDING FINISHES AND RELATED INSTALLATION COMPONENTS.
39. CONTRACTOR SHALL FURNISH AND INSTALL ALL LAMPS IN LIGHTING FIXTURES AS SPECIFIED BY THE DRAWINGS AT THE COMPLETION OF CONSTRUCTION. LAMPS SHALL BE GUARANTEED FOR A PERIOD OF ONE MONTH FROM THE DATE OF ACCEPTANCE UNLESS NOTED OTHERWISE.
40. ALL LAMPS TO BE PROVIDED WITH FIXTURES IN RANGE OF 2500K-3000K COLOR. CONTRACTOR TO PROVIDE A RANGE OF SAMPLES OF VARIOUS COLOR TEMPERATURES FOR OWNER AND ARCHITECT APPROVAL PRIOR TO INSTALLATION.
41. ALL EXPOSED LAMPS TO HAVE INTEGRAL REFLECTOR AND LENS CASING.
42. ELECTRICAL CONTRACTOR TO INSTALL FLUORESCENT LIGHT FIXTURES IN WALK-IN BOXES, AND ALL CONDUIT FOR LIGHTS TO BE ON TOP OF WALK-IN BOXES. ELECTRICAL CONTRACTOR TO REVIEW WALK-IN MANUFACTURER'S SHOP DRAWINGS FOR LIGHT FIXTURE LAYOUT.
43. ALL RECESSED LIGHT FIXTURES IN CONTACT WITH INSULATION AND/OR IN A FIRE RATED CEILING SHALL BE AIR TIGHT AND RATED FOR SUCH AN INSTALLATION. CONTRACTOR TO MOCK UP TRIMS FOR ALL RECESSED FIXTURES IN FIELD FOR TENANT AND ARCHITECT APPROVAL.
44. ALL OUTLETS AND SWITCH PLATES TO MATCH ADJACENT WALL U.N.O. ALL MATERIAL, EQUIPMENT, WIRING, DEVICES, SHALL BE NEW.
45. ALL RECEPTACLES SHALL BE PROVIDED AS INDICATED ON PLANS AS 20AMP DUPLEX RECEPTACLE (LEVITON "DECORA", WHITE, U.N.O.).
46. ALL EXTERIOR OUTLETS SHALL BE WEATHER RESISTANT GFCI WITH WATERPROOF HOUSING.
47. ALL SWITCHES SHALL BE PROVIDED AS INDICATED ON PLANS AND SHALL BE LEVITON "DECORA" TOGGLE SWITCH, WHITE, U.N.O.
48. ALL SWITCHES FOR FIXTURES CAPABLE OF BEING DIMMABLE SHALL BE DIMMER TYPE SWITCHES.
49. ALL BATHROOM EXHAUST FANS TO BE SWITCHED SEPARATELY FROM LIGHTS AND SHALL BE A DECORA PUSH-BUTTON AUTOMATIC TIMER SWITCH.
50. ALL 125 VOLT, SINGLE-PHASE, 15 AND 20 AMP RECEPTACLES IN BATHROOMS, WET AREAS, OR WITHIN 6' OF ANY SINK TO HAVE GFCI PROTECTION AS INDICATED ON ELECTRICAL PLAN.
51. ALL BATHROOM RECEPTACLES TO BE WIRED TO A SEPARATE 20AMP BRANCH CIRCUIT PER NATIONAL ELECTRICAL AND CHICAGO ELECTRICAL CODE SECTION (18-27-210.11(D)(2)).
52. TELEPHONE, DATA, AND CABLE TV OUTLETS TO BE LOCATED IN FIELD AFTER ROUGH WALL FRAMING WITH OWNER AND ARCHITECT BEFORE INSTALLATION. LOCATIONS INDICATED ON DRAWINGS ARE DIAGRAMMATIC.
53. CONTRACTOR AND ELECTRICAL SUBCONTRACTOR SHALL VERIFY FINAL OUTLET AND SWITCH LOCATIONS IN FIELD AFTER ROUGH WALL FRAMING WITH OWNER AND ARCHITECT BEFORE INSTALLING CONDUIT. LOCATIONS INDICATED ON DRAWINGS ARE DIAGRAMMATIC.
54. RECEPTACLES, BRANCH CIRCUITS, AND DEDICATED CIRCUITS IN ALL KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, AND BEDROOMS TO FOLLOW LOCATION GUIDELINES PER THE CHICAGO ELECTRICAL CODE SECTION 18-27-210.52 AND 18-27-560.8.
55. THE UTILITY OUTLETS WITH INDICATED ELECTRICAL SERVICE SUGGESTIONS ARE SHOWN FOR ACCOMMODATION PURPOSES FOR EQUIPMENT AND FIXTURES ONLY. ELECTRICAL CONTRACTOR IS TO VERIFY WITH THE OWNER AND EQUIPMENT SUPPLIER(S) AS TO THE EXACT TYPE, QUANTITY, AND LOCATION.
56. ALL ADDITIONAL EQUIPMENT/DEVICES SHALL BE NEW AND OF FIRST QUALITY, AND SHALL BEAR THE APPROPRIATE UL OR CSA APPROVED LABELS FOR THE SPECIFIC PURPOSE. ALL MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND CHICAGO ELECTRICAL CODE SECTION.
57. NEW MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER RECOGNIZED TESTING LAB.
58. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL DRAWINGS FOR LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS FOR POWER PLAN, APPROXIMATE OUTLET LOCATIONS, OUTLET TYPES, DETAILED LIGHTING AND ELECTRICAL REQUIREMENTS, EMERGENCY LIGHTING INFORMATION, AND ADDITIONAL ELECTRICAL NOTES.
59. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR ANY MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS. REFER TO MECHANICAL DRAWINGS FOR APPROXIMATE LOCATIONS OF DIFFUSERS, DUCTWORK, THERMOSTATS, AND ADDITIONAL MECHANICAL NOTES.
60. CONTRACTOR TO COORDINATE POWER REQUIREMENTS FOR NEW AND EXISTING EQUIPMENT AND WITH OWNER PRIOR TO INSTALLATION.
61. CONTRACTOR TO COORDINATE AND PROVIDE EQUIPMENT POWER FOR ALL KITCHEN APPLIANCES, CABINET LIGHTING, GARBAGE DISPOSAL, ETC.
62. ALL UNDERGROUND OR ANY CONDUIT EXPOSED TO THE WEATHER SHALL BE RIGID GALVANIZED STEEL CONDUIT WITH THREADED TYPE CONNECTORS.
63. BRANCH CIRCUITS TO RECEPTACLES, LIGHTING AND MISCELLANEOUS SMALL LOADS (20 AMP CIRCUITS) SHALL BE 3 - #12, 1/2"C. UNLESS NOTED OTHERWISE.
64. ALL PANEL AND SERVICE FEEDERS SHALL BE IN GALVANIZED IMT. ALL CONDUIT SHALL BE UL LABELED. EMT SHALL BE ACCEPTABLE FOR BRANCH CIRCUITS RUN ABOVE SUSPENDED CEILINGS OR CONCEALED IN INTERIOR PARTITIONS. EMT CONNECTIONS SHALL BE COMPRESSION TYPE.
65. CONDUIT UNDER SLAB ON GRADE AND ALL UNDERGROUND OR ANY CONDUIT EXPOSED TO THE WEATHER SHALL BE RIGID GALVANIZED RIGID STEEL CONDUIT WITH THREADED TYPE CONNECTORS (RMG).
66. UNLESS NOTED OTHERWISE, ALL OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL, KNOCKOUT TYPE, WITH SUITABLE PLASTER RINGS AND COVERS OR PLATES.
67. CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER, AND MINIMUM WIRE SIZE SHALL BE #12, CONDUCTORS TO HAVE 600 VOLT INSULATION, TYPE THW, THWN, OR THHN.
68. CONDUCTORS TO BE STRANDED FOR SIZES #8 AWG AND LARGER.
69. NO RUBEX OR BX WILL BE PERMITTED.
70. ALL PIPING, CONDUITS, ETC. MUST BE LOCATED AT LEAST 6" FROM FLOOR AND 1/2" FROM WALL.
71. CONNECTIONS ARE TO BE WIRED FROM THE FLOOR AND MOUNTED AT 5 3/4" TO THE TOP OF THE CONNECTION BOX U.N.O.
72. CONDUIT RUNS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC. ACTUAL FIELD CONDITIONS PREVAIL.
73. ALL WIRING SHALL BE RUN IN CONDUIT UNLESS NOTED OTHERWISE. NO CONDUITS SHALL BE ROUTED THROUGH HVAC AIR DUCTS.
74. ALL SUSPENDED CONDUITS SHALL BE RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE BY MEANS OF APPROVED CONDUIT HANGERS OR CLAMPS FIRMLY ANCHORED IN PLACE AND SPACED AT INTERVALS NOT TO EXCEED 10'-0". ALL EXPOSED CONDUIT SHALL BE RACKED AND RUN PARALLEL OR PERPENDICULAR TO WALLS AND STRUCTURAL MEMBERS WITH 90 BENDS WHERE REQUIRED. PULL AND JUNCTION BOXES SHALL BE HELD TO A MINIMUM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL RODS, ANGLES, RAILS, BRACE PLATES, AND PLATFORMS.
75. ALL SMOKE AND CARBON MONOXIDE DETECTORS SHALL BE HARD-WIRED AND APPROVED FOR USE IN CHICAGO AND LOCATED IN FIELD PER CODE REQUIREMENTS. REFER TO REFLECTED CEILING PLAN FOR APPROXIMATE LOCATIONS.
76. A MINIMUM OF 1 SMOKE DETECTOR SHALL BE INSTALLED ON EACH FLOOR AND IN EACH ROOM WITH A FOSSIL FUEL BURNING APPLIANCE (E.G. GAS FURNACE, GAS WATER HEATER, ETC.). SMOKE DETECTOR TO BE LOCATED AT THE TOP OF ALL STAIRS AND WITHIN 15' (MAX.) FROM BEDROOM DOORS.
77. ALL SMOKE DETECTORS TO BE HARDWIRED 110V TO BUILDING ELECTRICAL SYSTEM PER CBC (13-64-150).
78. A MINIMUM OF 1 CARBON MONOXIDE DETECTOR SHALL BE INSTALLED ON EACH FLOOR AND IN EACH ROOM WITH A FOSSIL FUEL BURNING APPLIANCE (E.G. GAS FURNACE, GAS WATER HEATER, ETC.).
79. A NEW, ALTERED, RELOCATED OR REPLACED FIRE ALARM OR EMERGENCY WARNING SYSTEM TO BE INSTALLED AND SHALL COMPLY FULLY WITH NFPA/ANSI A117.1-2003 SECTION 7.703. ALL ALARMS TO BE BOTH AUDIBLE AND VISIBLE AND COMPLY WITH SAE 400.3100S. ALL VISUAL ALARMS TO BE SYNCHRONIZED THROUGHOUT PER NFPA/ADA REQUIREMENTS.
80. EXIT SIGNS TO BE ON A DEDICATED 20A/1P CIRCUIT WITH A BREAKER LOCK TAB.
81. EXIT SIGNS TO BE LOCATED AT EACH LEGAL EXIT AND AS REQUIRED BY THE LOCAL BUILDING CODE. EXIT SIGNS SHALL BE CITY OF CHICAGO APPROVED, EDGE-LIT WATERFALL TYPE FIXTURES BY "THE EXIT STORE" OR APPROVED EQUAL. SEE FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION AND SPECIFICATIONS.
82. EMERGENCY LIGHTS TO HAVE BATTERY BACKUP, RED LETTERHEAD, AND BE SPECIFICALLY APPROVED FOR USE IN CHICAGO.
83. EMERGENCY LIGHTING AND EXIT SIGN LOCATIONS AS SHOWN ON PLAN SHALL BE FIELD VERIFIED AND ACCEPTANCE TESTED. UNITS SHALL BE POWERED AS PER THE CHICAGO BUILDING CODE.
84. ALL EMERGENCY FIXTURES TO BE CONNECTED TO LOCAL LIGHTING CIRCUIT IN AREA AHEAD OF ALL LOCAL SWITCHES.
85. UNIT BATTERY LIGHTING EQUIPMENT SHALL BE WIRED ON THE SAME BRANCH CIRCUIT SERVING THE EMERGENCY ILLUMINATION IN THE AREA.
86. ALL UNIT BATTERIES USED IN EMERGENCY EQUIPMENT MUST COMPLY WITH RECHARGEABLE REQUIREMENTS PER CBC SECTION 18-27-700.6(6)(D)1-(2). EACH UNIT SHALL BE PROVIDED WITH A TEST SWITCH AND PILOT LIGHT TO INDICATE BATTERY CHARGER FUNCTION PER CBC SECTION 18-27-700.6(6)(2).
87. BATTERY UNIT SHALL BE FED FROM THE EMERGENCY NIGHT LIGHTING CIRCUIT THAT ILLUMINATES THE AREA OF THE UNIT OR FROM THE UNINTERRUPTED NORMAL LIGHTING CIRCUIT IN AREAS WITHOUT EMERGENCY NIGHT LIGHTS.
88. EMERGENCY LIGHTING TO BE ON CONTINUOUSLY WITH LOCKING DEVICES ON THE CIRCUIT BREAKER.
89. MAINTENANCE AND TESTS SHALL BE PERFORMED AS REQUIRED BY NFPA 70 AND LOCAL REQUIREMENTS.
90. THE MANUFACTURER SHALL SUPPLY WITH EACH UNIT BATTERY A COMPLETE SET OF INSTRUCTIONS FOR THE OPERATION AND MAINTENANCE OF THE EQUIPMENT.
91. THE DATE OF ORIGINAL INSTALLATION AND OF SUBSEQUENT BATTERY REPLACEMENTS SHALL BE POSTED CONSPICUOUSLY ON THE BATTERY CONTAINER.
92. EACH UNIT SHALL BE TESTED ANNUALLY. THERE SHALL BE A WATER LEVEL INDICATOR WHERE APPLICABLE AND THE WATER SHALL BE CHECKED MONTHLY.
93. A READILY AVAILABLE LOG OF THESE INSPECTIONS SHALL BE MAINTAINED ON A CARD ATTACHED TO THE UNIT BATTERY. THE CARD SHALL CONTAIN THE NAME AND ADDRESS OF THE RESPONSIBLE MAINTENANCE PERSONNEL THAT PERFORMED THE TESTING REQUIRED.
94. EMERGENCY LIGHTS TO BE FED FROM LIGHTING PANEL BRANCH CIRCUITS AND CONTROLLED VIA NETWORK AND CONNECTED TO CP PANEL BY LOW-VOLTAGE SIGNAL CABLE.
95. EMERGENCY LIGHTING DOWNLIGHTS ARE PROGRAMMED TO FOLLOW NORMAL LIGHTING LEVELS AND AUTOMATICALLY GO TO FULL BRIGHTNESS ON LOSS OF CONTROL SIGNAL OR LOSS OF NORMAL POWER.



ELECTRICAL PLAN

1/8" = 1'-0"

ELECTRICAL LEGEND

GFCI	GFI OUTLET
	DUPLEX OUTLET
S	SWITCH
	FLOOR DUPLEX OUTLET

KEYNOTES

203	DEDICATED POWER
204	ELECTRICAL PANEL

NOT FOR CONSTRUCTION

LATENT

[redacted]

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STATE OF ILLINOIS
[redacted]
REGISTERED ARCHITECT

EXP: 11-30-2026

BUCKTOWN ASSEMBLY

2038 W ARMITAGE AVE
CHICAGO, IL 60647

NO.	DATE	DESCRIPTION

JOB NO.	DRAWN BY	CHECKED BY
2518	ED	KD

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ELECTRICAL PLAN

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PLUMBING NOTES

1. PLUMBING CONTRACTOR TO VERIFY ALL EXISTING WASTE, VENT AND WATER SUPPLY PIPING WHERE NEW CONNECTIONS ARE TO BE MADE PRIOR TO BID. VERIFY EXACT SIZE, LOCATION, INVERT, CONDITION AND REQUIREMENTS IN FIELD. REPORT ANY MAJOR DISCREPANCIES TO ARCHITECT/OWNER IMMEDIATELY.
2. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS , WITH EQUIPMENT CABINETS, ETC. PROVIDE FULL SIZED CLEANOUTS ON STRAIGHT RUN INTERVALS NOT TO EXCEED FIFTY (50') AS WELL AS AT EACH CHANGE OF DIRECTION GREATER THAN 135 DEG. FIXTURE TRAPS (I.E. FLOOR DRAINS) SHALL NOT CONSTITUTE CLEANOUT ACCESS POINTS IF A CABLE MUST MAKE TWO (2) OR MORE RIGHT ANGLE TURNS IN ORDER TO ENTER THE MAIN DRAIN OR STACK.
3. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12" FROM ANY VERTICAL SURFACE AND 12'-0" HORIZONTALLY FROM ANY OUTSIDE FRESH AIR INTAKE OR A MINIMUM OF 24" ABOVE FRESH AIR INTAKES IF THE 12'-0" HORIZONTAL SEPARATION IS NOT POSSIBLE.
4. INSTALL FULL-PORT SHUT-OFF VALVES ON ALL HOT & COLD WATER SUPPLY LINES TO ALL FIXTURE OR APPLIANCE GROUPS/AREAS. ALL VALVES SHALL BE FULL LINE SIZED FOR THE BRANCH THEY SERVE. LOCATE VALVES IN AN ACCESSIBLE AREA OR PROVIDE ACCESS PANEL IN UNACCESSIBLE CEILING/WALL AREAS
5. PROVIDE 18" (MINIMUM) LONG AIR CHAMBERS ON ALL WATER SUPPLY LINES TO FIXTURES AND EQUIPMENT. PROVIDE WATER HAMMER ARRESTORS AT ALL FIXTURES WITH QUICK-CLOSING VALVES/FAUCETS.
6. PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE 2 TIMES THE DIAMETER OF THE INDIRECT DRAIN.
7. PROVIDE DI-ELECTRIC UNIONS, COUPLINGS, ADAPTORS OR FLANGES AT ALL TRANSITIONS OF FERROUS PIPING TO NON-FERROUS PIPING.
8. PROVIDE NON-REMOVABLE/INTEGRAL VACUUM BREAKER ON ALL NEW AND EXISTING MOP SINK FAUCETS AND ALL (EITHER NEW AND EXISTING THREADED HOSE OUTLETS, HOSE BIBBS AND WALL HYDRANTS.
9. COORDINATE ROUTING OF ALL PIPING SYSTEMS TO AVOID DUCTWORK, ELECTRICAL CONDUIT, BEAMS AND OTHER STRUCTURAL MEMBERS.
10. PROVIDE APPROVED BACKFLOW PREVENTION DEVICE ON ALL WATER SUPPLY LINES TO SODA DISPENSERS, COFFEE MAKERS, CAPPUCCINO MAKERS, ESPRESSO/ICE MACHINES, HUMIDIFIERS & BOILER MAKE-UP CONNECTIONS. PER LOCAL CODE REQUIREMENTS AND EQUIPMENT/FIXTURE MANUFACTURER'S REQUIREMENTS. LOCATE IN AN ACCESSIBLE AREA. COORDINATE ALL MAKE-UP AND HUMIDIFIER CONNECTIONS WITH MECHANICAL CONTRACTOR.
11. PROVIDE VALVE STEM EXTENSIONS AS REQUIRED FOR ALL INSULATED WATER SUPPLY PIPING.
12. PROVIDE GROUTING/CAULKING WHERE FIXTURES MEET WALLS, FLOORS, COUNTERTOPS, ETC.
13. PROVIDE ADA-COMPLIANT FLUSH VALVE HANDLES/TRIP LEVERS THAT ACTIVATE W/ 5 FOOT POUNDS OF PRESSURE OR LESS FORCE. LOCATE ALL WATER CLOSET FLUSH VALVE HANDLES/TRIP LEVERS ON WIDE SIDE OF STALLS.
14. ROUTE CIRCULATING HOT WATER DISTRIBUTION AS INDICATED ON PLANS TO EACH FIXTURE GROUP. PROVIDE CIRCUIT SETTER BALANCING/ COMPENSATING FLOW CONTROL VALVES FOR BALANCING CONTROL IN ACCESSIBLE LOCATIONS (PROVIDE ACCESS PANEL AS REQUIRED). INSULATE ALL RE-CIRCULATION PIPING PER NOTES BELOW.
15. ALL EXPOSED WASTE PIPING LOCATED IN TOILET ROOMS SHALL BE CHROME PLATED BRASS WITH MATCHING STOPS AND ESCUTCHEONS. PROVIDE LOOSE KEY TYPE STOPS IN ALL PUBLIC AREAS OR WHERE VANDAL RESISTANT INSTALLATIONS ARE REQUIRED. ALL RISER TUBES SHALL BE HEAVY CHROME PLATED COPPER.
16. PROVIDE PROTECTIVE INSULATED PIPE COVERS ON P-TRAPS, ANGLE STOPS, OFFSET TAILPIECES, HOSE SUPPLY TUBES, ETC. FOR ALL ADA ACCESSIBLE FIXTURES.
17. PROVIDE A S.S.E. 1070 APPROVED THERMOSTATIC MIXING VALVE TO SUPPLY 110 DEGREE (MAX) HOT WATER AT TIME OF INSTALL/INSPECTION TO ALL PRIVATE LAVS AND HAND SINKS. PROVIDE 110 DEGREE (MAX) HOT WATER TO ALL SHOWERS.
18. PROVIDE A VACUUM RELIEF VALVE ON ALL ELEVATED OR BOTTOM FED WATER HEATERS IN ADDITION TO A TEMPERATURE & PRESSURE RELIEF VALVE.
19. SET OUTLET TEMPERATURE OF WATER HEATS TO BE 130-degF (MINIMUM) AND THERMOSTATICALLY MIXED DOWN AT END-USE POINTS AS REQUIRED. ALL HEATERS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND PURGED OF ALL AIR/AIR-POCKETS PRIOR TO START-UP.
20. ALL BACKFLOW PREVENTION DEVICES SHALL BE TESTED IN-LINE AND APPROVED BY A CROSS-CONNECTION CONTROL DEVICE INSPECTOR BEFORE BEING PLACED INTO SERVICE. BACKFLOW PREVENTERS SHALL BE TESTED AND MAINTAINED AT LEAST ANNUALLY BY A CROSS-CONN. CONTROL DEVICE INSPECTOR AND RECORDS TO VERIFY TESTING AND MAINTENANCE SHALL BE AVAILABLE AT THE SITE OF THE INSTALLATION OF THE DEVICE. BACKFLOW PREVENTERS SHALL NOT BE INSTALLED MORE THAN 5'-0" ABOVE THE FLOOR. PROVIDE A PROTECTIVE STRAINER UPSTREAM OF ALL BACKFLOW PREVETNERS UNLESS THE DEVICE CONTAINS A BUILT-IN STRAINER. ALL WPS SHALL BE INSTALLED BY A LICENSED PLUMBER.
21. PROVIDE LEAD ROOF FLASHING ON ALL VENT STACKS PENETRATING THROUGH THE ROOF (EXCEPT RUBBER ROOFS). PROVIDE INCREASER FITTINGS.
22. PLUMBING CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATION OF EACH FLUE/VENT FOR EACH GAS-FIRED WATER HEATER. COORDINATE WITH MECHANICAL CONTRACTOR AND VERIFY ADEQUATE CHASE/CHIMNEY SPACE WITH ARCHITECT PRIOR TO START OF CONSTRUCTION.
23. FURNISH FIRE RATED PIPE SLEEVE OR FIRE CAULKING ON ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS/FLOORS.
24. ALL THERMAL EXPANSION TANKS SHALL BE PROPERLY SIZED FOR THE WATER HEATER IT SERVES AND CHARGED TO THE INLET PRESSURE OF THE COLD WATER SUPPLY TO THE WATER HEATER. THE THERMAL EXPANSION TANK SHALL ALSO BE SIZED IN ACCORDANCE WITH THE WATER HEATER INPUT AND THE BTUH RATING OF THE TEMPERATURE & PRESSURE RELIEF VALVE
25. PROVIDE HEAT TRAPS ON COLD WATER SUPPLY TO WATER HEATERS (HEAT TRAP NIPPLE, U-FLEX CONNECTOR & FABRICATED RETURN BEND).
26. HWS AND HWR PIPING SHALL BE INSULATED WITH 1" 0" INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 (BTU PER INCH/H x FT2 x F)

PLUMBING NOTES

ALL FIXTURES AND SHOWER VALVES ARE TO HAVE INDIVIDUAL STOPS

VENT TERMINAL: EACH VENT PASSING THROUGH THE ROOF SHALL BE PROVIDED WITH A FOUR POUND SHEET LEAD FLASHING CONSISTING OF AN EIGHTEEN INCH BY EIGHTEEN BASE WITH A TUBULAR VERTICAL SLEEVE SURROUNDING THE PIPE AND TURNED INTO THE TOP OF THE PIPE.

GENERAL NOTES ON THE DRAWING ARE PART OF THIS CONTRACT.

1. ALL PERMITS, LICENSES, APPROVALS AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY THE PLUMBING CONTRACTOR AT HIS OWN EXPENSE.
2. ALL NEW WORK AND MATERIAL SHALL CONFORM TO ALL APPLICABLE STATE
3. THE INTENT OF THE DRAWINGS IS TO FURNISH THE OWNER A PLUMBING INSTALLATION READY FOR USE AND COMPLETE IN EVERY ASPECT.
4. UNLESS OTHERWISE REQUIRED BY LOCAL CODE PIPING MATERIALS SHALL BE

SOIL, WASTE & STORM

UNDERGROUND INSIDE BUILDING: TAR COATED SERVICE WEIGHT CAST IRON, BELL & SPIGOT CAST IRON DRAINAGE FITTING WITH COMPRESSION GASKET.

VENT, SOIL, WASTE

ABOVE GROUND: 2 1/2" AND LARGER: TAR COATED SERVICE WEIGHT CAST IRON, BELL & SPIGOT CAST IRON DRAINAGE FITTINGS WITH LEAD & OAKUM CAULK. 2" AND SMALLER: TYPE DWV COPPER TUBE WITH SOLDERED WROUGHT.

DOMESTIC WATER

ABOVE GROUND INSIDE BUILDING: SEAMLESS TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS SOLDERED, SOLDER SHALL CONFORM TO LOCAL CODE REQUIREMENTS AND ASTM B-32-LATEST REVISION.

ALL BIDS SHALL BE BASED ON THE ABOVE SPECIFIED MATERIALS, WHERE LOCAL CODES PERMIT THE INSTALLATION OF ALTERNATE MATERIALS THE CONTRACTOR SHALL SUBMIT ALONG WITH HIS BASE BID PRICE AN ALTERNATE PRICE INDICATING

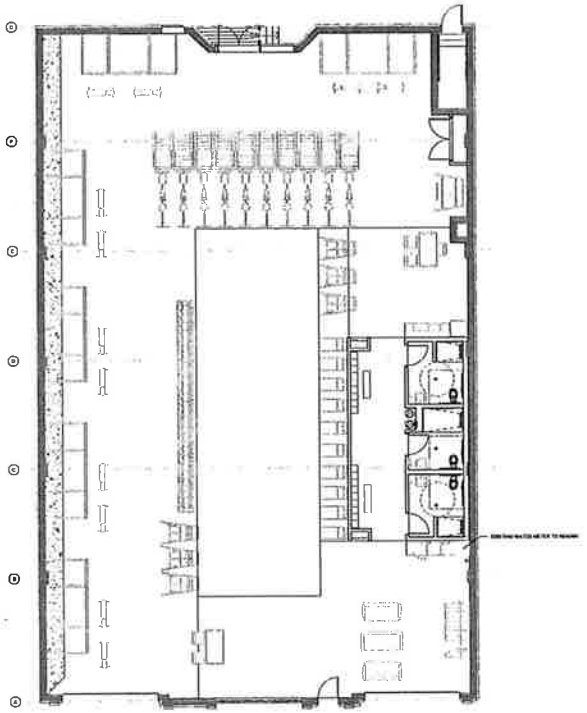
1. THE TYPE AND LOCATION OF MATERIALS HE PROPOSES TO SUBSTITUTE AND THE AMOUNT TO BE DEDUCTED FROM HIS BID QUOTE IF HIS PROPOSAL IS
2. INSULATION SHALL BE PROVIDED AS FOLLOWS:
3. ABOVE GRADE: LIGHT DENSITY FIBERGLASS PIPE INSULATION, 1/2" THICK, WITH VAPOR BARRIER JACKET
4. ABOVE GRADE: LIGHT DENSITY , FIBERGLASS PIPE INSULATION 1/2" THICK, WITH GLASS CLOTH JACKET.
5. AT CONTRACTORS OPTION 1/2" FIBERGLASS SNAP ON INSULATION WITH FOAM VAPOR BARRIER MAY BE SUBSTITUTED FOR ABOVE.
6. PROVIDE DIELECTRIC FITTINGS WHERE COPPER JOIN FERROUS METAL.
7. FLASHING SHALL BE 4# LEAD MINIMUM.
8. PROVIDE AIR CHAMBERS, FULL SIZE, 12" LONG FOR EACH HOT AND/OR COLD WATER SUPPLY AT EACH FIXTURE.
9. CHLORINATION OF DOMESTIC WATER SYSTEM SHALL BE REQUIRED AFTER COMPLETION OF DOMESTIC WATER SYSTEM AND BEFORE USE, AFTER CHLORINATION, OPEN ALL VALVES AND FLUSH WITH WATER UNTIL WASTE WATER INDICATES A.S PPM RESIDUAL. PROVIDE POLISHED CHROME PLATED ESCUTCHEONS AND VISIT THE SITE TO DETERMINE THE MAXIMUM . FURNISH OWNER WITH CERTIFICATION OF COMPLIANCE.
10. WATER AND DRAINAGE SYSTEM SHALL BE TESTED IN COMPLIANCE TO APPLICABLE CODES . FURNISH COPY OF TEST RESULTS TO OWNER.
11. FIXTURES, WHERE OTHER EXPOSED PIPES PASS THRU WALLS, FLOORS, CEILINGS AND PARTITIONS, PROVIDE POLISHED BULL CHROME PLATED CAST BRASS SET SCREW FLANGES.
12. CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK AND FACILITY LOCATIONS. CONTRACTOR SHALL VERIFY TIE REQUIREMENTS OF LOCAL GOVERNING BODIES. THE SUBMISSION OF A BID SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE BIDDER HAS COMPLIED WITH THE ABOVE.
13. IN GENERAL, RUN ALL HORIZONTAL SOIL & WASTE PIPING AT 2% SLOPE. WHERE EXISTING CONDITIONS AND/OR STRUCTURAL CONDITIONS DICTATE, PIPING 4" AND LARGER MAY RUN AT 1% SLOPE.
14. CONTRACTOR SHALL SUBMIT (5) SETS OF MANUFACTURER'S CATALOG LITERATURE (RE: EQUIPMENT TO BE FURNISHED ON THE PROJECT) TO THE ARCHITECT FOR APPROVAL PRIOR TO RELEASE FOR SHIPMENT. SUBSTITUTION OF SPECIFIED EQUIPMENT MUST BE APPROVED IN WRITING BY THE ARCHITECT PRIOR TO SUBMISSION OF CATALOG CUTS. SUBMITTED ITEMS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
    A. FIXTURES B. VALVES C. WATER HEATERS
    D. FAUCETS E. DRAINS F. SPECIALTIES
* PRIOR TO FINAL ACCEPTANCE BY OWNER, CONTRACTOR SHALL CLEAN ALL FIXTURES AND REMOVE ALL LABELS.
* ALL TRENCHING, BACKFILL, CUTTING AND PATCHING FOR PLUMBING TRADES' WORK SHALL BE BY PLUMBING CONTRACTOR. ALL BACKFILL OR TRENCHES AND EXCAVATIONS SHALL BE CLEAN YELLOW SAND OR GRAVEL FREE FROM SILT, CLY OR LOAM. DO NOT BACKFILL WITH ON SITE MATERIAL. ALL BACKFILL SHALL BE COMPACTED IN 8: LAYERS. TAMP AS REQUIRED TO AVOID FUTURE SETTLEMENT. REMOVE ALL EXCESS ESCALATED MATERIAL FROM SITE.
* CONTRACTOR SHALL INSTALL ALL NECESSARY SUPPORTS, EXPANSION PIPE LOOPS UNIONS, ACCESSIBLE EXPANSION JOINTS (WHERE ANCHORED PIPING CROSSES BUILDING EXPANSION JOINTS), CLEAN OUTS, ETC. ISOLATE ALL WATER PIPING FROM STRUCTURE TO REDUCE NOISE.
* CONTRACTOR SHALL GUARANTEE ALL WORK, MATERIAL, EQUIPMENT, ETC., FURNISHED BY HIM FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF INSTALLATION.

WASTE PIPING NOTES

1. ALL WASTE PIPING BELOW CONCRETE SLAB TO BE CAST IRON UNLESS OTHERWISE NOTED.
2. ALL WASTE PIPING BELOW GRADE TO BE CAST IRON.
3. ALL WASTE AND VENT PIPING ABOVE GRADE TO BE SCHEDULE 40 PVC.
4. ALL PCV FITTINGS SHALL BE DWV, JOINED USING PURPLE PRIMER AND CLEAR PVC CEMENT.
5. PROVIDE GRAY BOX AT ALL WASHERS.
6. PROVIDE PAN DRAIN AT ALL WATER HEATERS.
7. MAINTAIN SUDS PRESSURE ZONES WHEN A DRAINAGE PORTION OF A STACK EXCEEDS 16'-0".
8. PROVIDE OPEN SITE DRAIN IN ALL LAUNDRY AND UTILITY ROOMS.
9. PROVIDE CLEAN OUTS AT THE BASE OF EACH STACK, EVERY 100' FOR HORIZ. DRAINS (50' IF DRAINS ARE < 4"), AT EVERY CHANGE OF DIRECTION > 45°, AND AT THE JUNCTION BETWEEN THE BUILDING DRAIN AND SEWER LINES (SEE CBC 28(18-29-708.3).

SUPPLY PIPING NOTES

1. ALL COPPER ABOVE GRADE TO BE TYPE "L"; BELOW GRADE TO BE TYPE "K". ALL COPPER FITTING TO BE FORGED AND JOINED WITH NON-LEAD SOLDIER AND FLUX.
2. 24" AIR CHAMBERS ON ALL MAIN RISERS.
3. 12" AIR CHAMBERS ON ALL FIXTURES.
4. SHUT OFF STOPS ON ALL FIXTURES.
5. ALL WATER HEATERS TO HAVE T&P RELEASE VALVE.
6. PROVIDE GRAY BOX AT ALL WASHERS.
7. PROVIDE GAS VALVE AT ALL DRYERS AND KITCHEN RANGES.
8. PROVIDE WATER HOOKUP AT REFRIGERATORS AND ICE MAKERS.
9. PROVIDE GARBAGE DISPOSAL AT EACH KITCHEN SINK.
10. ALL SHOWERS AND SHOWER-BATH COMBINATIONS SHALL BE EQUIPPED WITH AN AUTOMATIC SAFETY WATER MIXING DEVICE IN ACCORDANCE WITH CBC 2016-29-607.3.3).



NOTE: THESE MAY BE ADDITIONAL LEAD FED FLOOR DRAINS THAT WILL BE FOUND POST DEMO, EXISTING FLOOR DRAINS TO BE VACATED AND COVERED.

PLUMBING PLAN 1/8" = 1'-0" 11

KEYNOTES

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