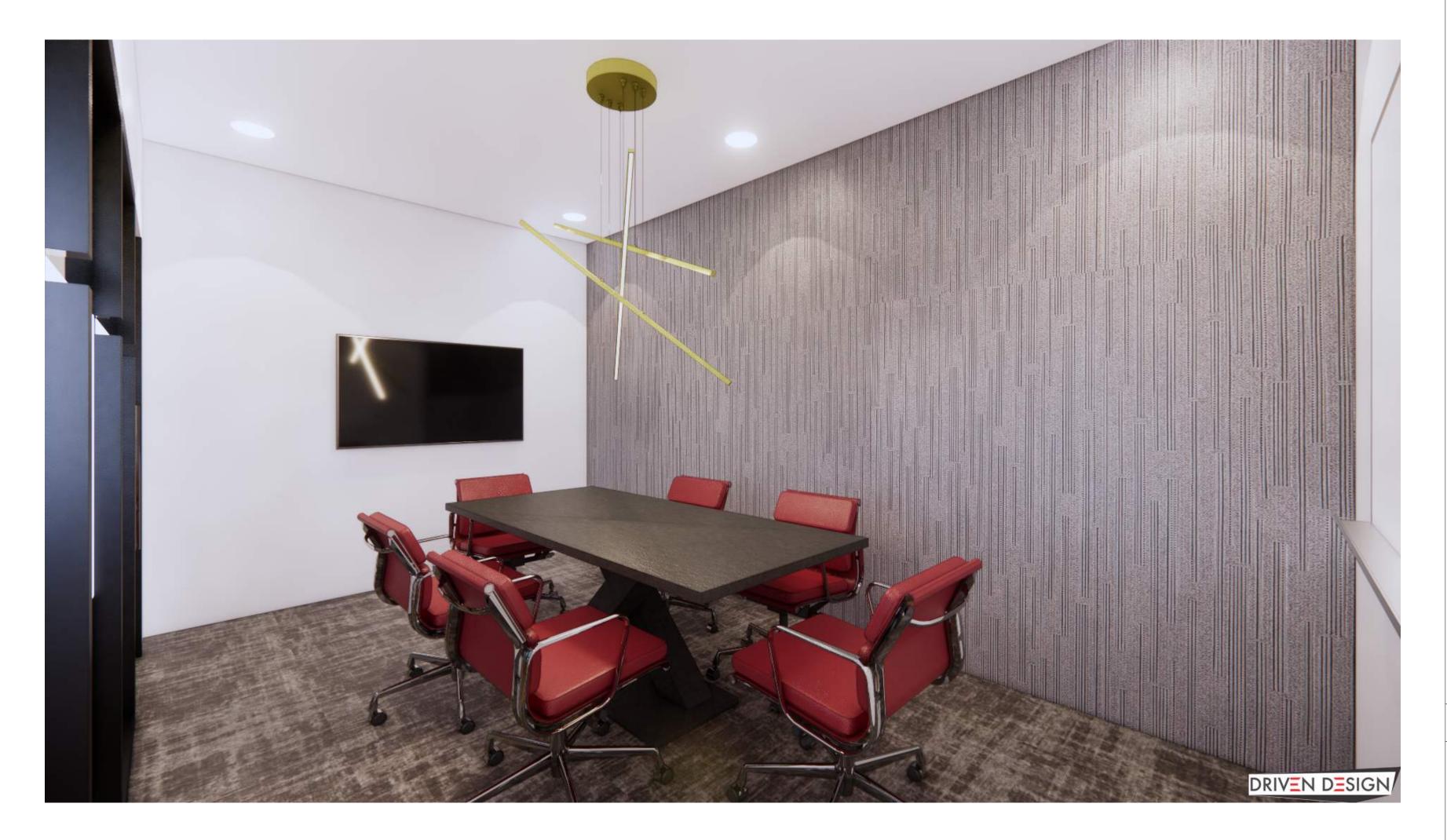
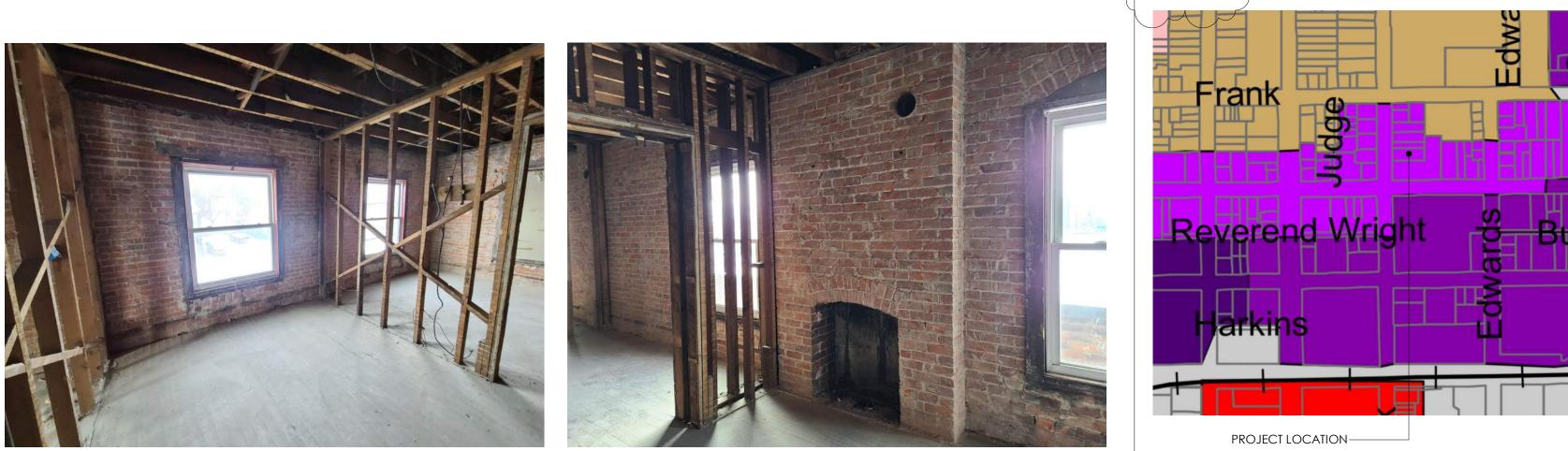
708 N BURDICK STREET 708 N BURDICK, KALAMAZOO, MI

RENDERING - FOR REFERENCE ONLY



EXISTING PHOTOS - FOR REFERENCE ONLY





Site Plan Review Received 01/10/2024 City of Kalamazoo

PROJECT NOTES

- CONSTRUCTION MUST COMPLY WITH ALL NATIONAL, STATE, AND LOCA AS WELL AS ALL LOCAL ORDINANCES.
- 2. DO NOT SCALE DRAWINGS. NOMINAL DIMENSIONS ARE SHOWN. REFE SPECIFICATIONS AND PARTITION KEY FOR INFORMATION. CONTACT AF ADDITIONAL INFORMATION IS REQUIRED.
- . EXISTING BUILDING INFORMATION WAS OBTAINED FROM THE OWNER . MEASUREMENTS BY THE ARCHITECT. THE CONTRACTOR SHALL VERIFY A CONDITIONS PRIOR TO COMMENCEMENT OF WORK. DRAWINGS MAY DISCREPANCIES DUE TO CONCEALED CONDITIONS, INACCURACIES IN DRAWINGS, INACCESSIBLE LOCATIONS, UNRECORDED BUILDING ALTER CONFLICTING INFORMATION. INFORMATION OUTSIDE OF CONTRACT FOR REFERENCE ONLY. ALWAYS VERIFY FIELD CONDITIONS BEFORE CO NOTIFY ARCHITECT IF FIELD CONDITIONS CONFLICT SUBSTANTIALLY WIT
- INSTRUCTIONS FOR BUILDING CONSTRUCTION MAY BE LOCATED IN AN CONSTRUCTION DRAWINGS. FAILURE OF THE GENERAL CONTRACTOR (CONTRACTORS AND SUPPLIERS TO SEE INFORMATION IN ANY PART OF DOCUMENTS WILL NOT BE A VALID REASON FOR ISSUING A CHANGE C
- ALL HOLES CREATED FROM ABANDONED DUCT, CONDUIT, ELEC. DEVIC IN VIEW AND ARE NOT SCHEDULED TO BE BOARDED OVER, OR ON A W DEMOLISHED, ARE TO BE FILLED AND PATCHED TO MATCH EXISTING.
- . PATCH AND REPAIR ALL EXISTING WALL SURFACES ADJACENT TO NEW TO ACHIEVE AN UNINTERRUPTED SURFACE APPEARANCE. PATCH AND F FOR EXISTING BUILDINGS TO ACHIEVE A CONTINUOUS, SMOOTH, AND surface.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING REQUIRED THE CONTRACTOR SHALL COORDINATE ALL TEMPORARY CONSTRUCTION ARCHITECT AND OWNER TO ASSURE A MINIMUM AMOUNT OF INTERRU OWNER'S ACTIVITIES.
- 8. IF THE PROJECT IS A REMODEL, THE CONTRACTOR IS RESPONSIBLE FOR SURFACES NOT BEING REMODELED IN THE PROJECT AND IN THE PATH C TRAVEL, SETUP AND/ OR PROJECT MATERIAL STORAGE. THE CONTRACT AREAS DISTURBED AS REQUIRED FOR ACCESS TO ITS PRE-EXISTING CON
- 9. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR ALL LOCAL/REQUIRED PERMITS AND INSPECTIONS.
- 10. ALL SAFETY ISSUES RELATED TO CONSTRUCTION ARE THE RESPONSIBILITY CONTRACTOR AND MUST COMPLY WITH ALL STATE, LOCAL, ENVIRON/ LAWS DURING THE CONSTRUCTION OF THIS PROJECT.
- 11. ALL WORK TO BE GUARANTEED A MINIMUM OF ONE YEAR FROM THE D ACCEPTANCE OF WORK, EXCEPT WHERE MANUFACTURER'S GUARANTE
- 12. IF DISCREPANCIES OCCUR BETWEEN DRAWINGS AND FIELD CONDITION ARCHITECT TO VERIFY HOW TO PROCEED BEFORE DOING SO.
- 13. SEE T001 FOR ADDITIONAL PROJECT NOTES, MOUNTING HEIGHTS, AND
- 14. 3D VIEWS AND RENDERINGS ON THIS PAGE AND THROUGHOUT THE SET ONLY, VERIFY ALL CONSTRUCTION DETAILS THROUGHOUT THE ENTIRE SI
- 15. THE PROJECT SHALL CONFORM TO UNDERWRITERS LABORATORY FIRE R AND BUILDING MATERIALS DIRECTORY.
- 6. ANY MATERIAL SUBSTITUTIONS TO A LISTED UL DESIGN NUMBER SHALL B THE CONSTRUCTION MANAGER, CONTRACTOR, SUBCONTRACTOR AND SUPPLIER FOR COMPLIANCE. THE CONTRACTOR SHALL BE RESPONSIBLE APPROVALS - FOR ANY MATERIALS SUBSTITUTION IN THE REQUIRED UL D THE FIRE MARSHAL AND BUILDING INSPECTOR HAVING JURISDICTION I ACCEPTANCE.
- 7. FOR ANY CHANGE OF UL DESIGN NUMBER, OR ANY CHANGE IN MATER ASSEMBLY, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CO RELATED MATERIALS OR ASSEMBLIES AFFECTED BY THE CHANGE OF MA NUMBER ASSEMBLY.
- 18. PROVIDE COMPLETE UL APPROVED THROUGH-PENETRATION FIRESTOP WALL PENETRATIONS.
- 19. PROVIDE FIRESTOPPING AS REQUIRED AT ALL OPENINGS FOR PLUMBING DUCTWORK, ETC AT FIRE RATED ASSEMBLIES.
- 20. REFER TO THE FLOOR PLANS FOR IDENTIFICATION OF ALL FIRE AND SMC

PROJECT DESCRIPTION

AN EXISTING VACANT BUILDING IS BEING RENOVATED INTO OFFICE SPACE UNITS.

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and additional field All existing field	SHEET NUMBER	DRAWING TITLE	6/1/2022	10/6/2023	Battle Creek, MI 49017 (269) 753-8040
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2 OFFICE -2 T001 12" = 1'-0"

6 FIRST FLOOR - 2 12" = 1'-0"

1 **OFFICE - 1** 12" = 1'-0"

RENDERINGS - FOR REFERENCE ONLY





5 FIRST FLOOR - 1 12" = 1'-0"

RENDERINGS - FOR REFERENCE ONLY

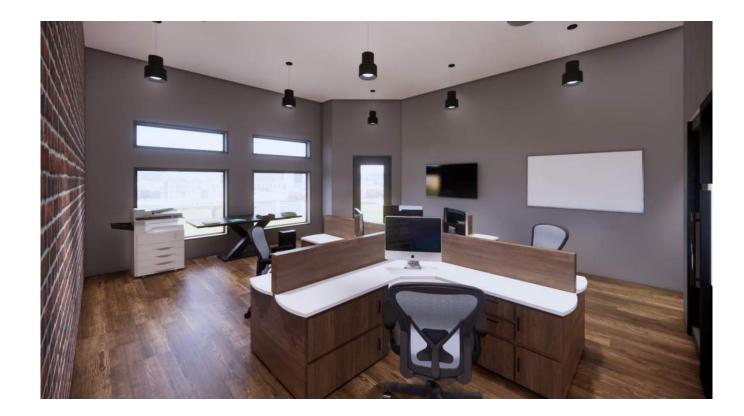




10 SECOND FLOOR - 2 12" = 1'-0"

9 SECOND FLOOR - 1 12" = 1'-0"

RENDERINGS - FOR REFERENCE ONLY







7 FIRST FLOOR - 3 T001 12" = 1'-0"



11 SECOND FLOOR - 3 12" = 1'-0"



4 OFFICE -4 T001 12" = 1'-0"









DRIVEN DESIGN

<u>ARCHITECT</u> Driven Design Studio PLLC 117 West Michigan Avenue Battle Creek, MI 49017 (269) 753-8040 cody@drivendesignstudio.com

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PROJECT NAME 708 N BURDICK STREET project address 708 N BURDICK, KALAMAZOO, MI CLIENT

KYLE GULAU

ISSUE CONSTRUCTION DOCUMENTS

REVISION

DRAWN BY CMN DATE 1/6/2024 9:52:08 PM SCALE 12" = 1'-0" STAMP



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INT INTERIOR J JAN JANITOR	INCL	INCLUDE(D,ING)	,
K KIT KITCHEN	()		,

ABB	REVIATION LIST
LAM LAV LBL LH LL LP LTG LTL	LAMINATE(D) LAVATORY LABEL LEFT HAND LIVE LOAD LOW POINT LIGHTING LINTEL
MAS MATL MAX MECH MEMB MIN MISC MO MTD MTG	MANUFACTURE(R) MASONRY MATERIAL(S) MAXIMUM MECHANICAL MEMBRANE MINIMUM MISCELLANEOUS MASONRY OPENING MOUNTED MOUNTING
NO	METAL NORTH NOT APPLICABLE NATURAL NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE
OPP	ON CENTER OUTSIDE DIAMETER OVERHEAD OPENING OPPOSITE OPPOSITE HAND
PC PERF PL PLAM PLAS PLWD PNL PR PREP PROV PSF PSI PT	PARTITION PRECAST PERFORATE(D) PLATE PLASTIC LAMINATE PLASTER PLYWOOD PANEL(ED) PAIR PREPARE (SURFACE) PROVIDE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINT PAVEMENT
RB REF REINF REQD / REQ'D RES RET REV RFG RH RM	QUANTITY RISER RADIUS RUBBER BASE REFRIDGERATOR REINFORCED REQUIRED RESILIENT RETAINING REVISION(S) / REVISE(D) ROOFING RIGHT HAND ROOM ROUGH OPENING
SC SCHED SECT SF SHT SIM SPEC(S) SQ SS STD STD STD STD STN STO STN STO STRUC SUSP SYM	SQUARE FEET SHEET SIMILAR SPECIFICATION(S) SQUARE STAINLESS STEEL STANDARD STEEL
T.O. TECH TEL TEMP THK THRESH TOC TOM	TREAD TONGUE AND GROOVE TOP OF TECHNOLOGY TELEPHONE TEMPERED THICK (NESS) THRESHOLD TOP OF CURB TOP OF MASONRY TOP OF STEEL TOP OF WALL TRANSPARENT TELEVISION TYPICAL
UNO VAR VCT VERT VEST VIF VU	UNDERWRITER'S LABORATORY UNFINISHED UNLESS OTHERWISE NOTED VARIES VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VENTILATION UNIT VINYL WALLCOVERING

AB	BREVIATION LIST
W WC W WD W WDW W WH W WP W WR W WT	WATER RESISTANT WITH WITHOUT WATER CLOSET WOOD WINDOW WALL HUNG WORK POINT PAINT(ED) WEIGHT WELDED WIRE FABRIC
	NUMBER AND EXIST (OR APPROX) DIM - VIF CENTER LINE ANGLE
REQ	UIRED CLEARANCE



FRAMING SUPPLIER.

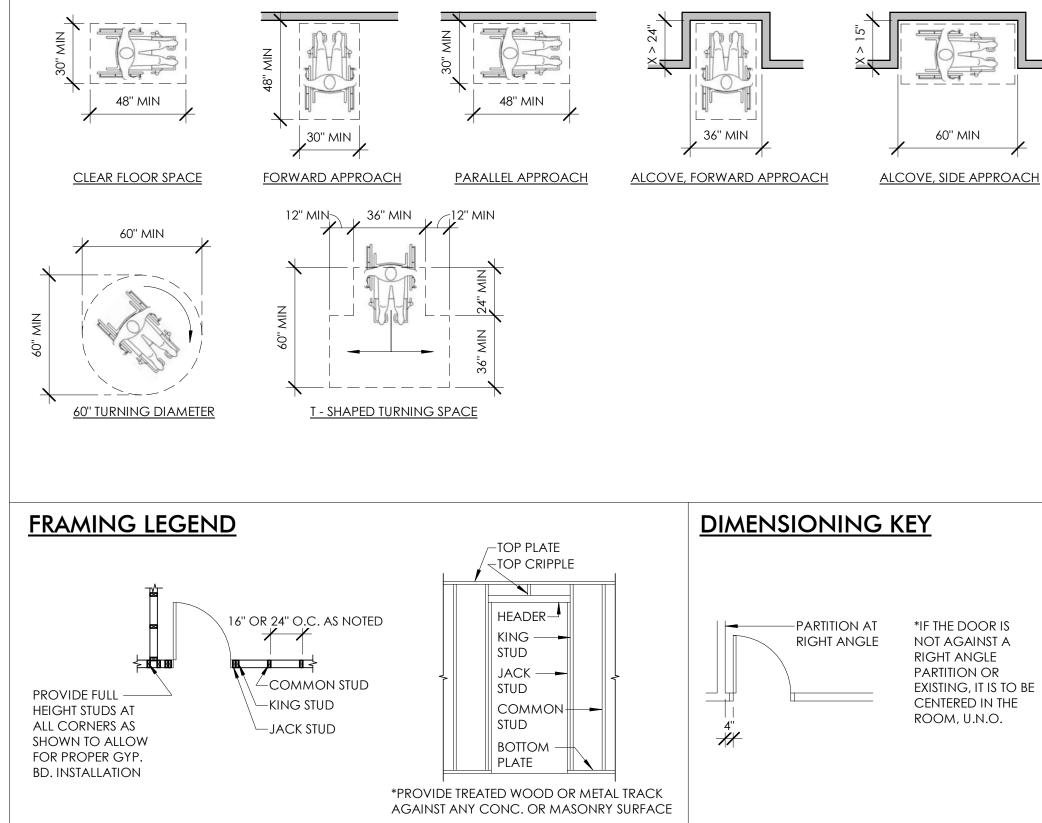
MAXIMUM ALLOWABLE HEIGHTS (NON-LOAD BEARING)

STEEL STUD FRA	-			FORMEE NN 05400		* DEFLECTION = L/360 * SPACING = 16" O.C.	
GA.	25	20	18	16	14	12	
2 1/2"	9'-10''	11'-2"	12'-7"	13'-5"	14'-4''		
3 5/8"	12'-4''	14'-3''	16'-8''	17'-11"	19'-2''	21'-2"	
6"	17'-11"	21'-4''	24'-9''	26'-7''	28'-4''	31'-8"	
2 1/2" CH STUD	10'-7''	13'-4''					

GENERAL NOTES

*THE MOUNTING HEIGHTS, MATERIALS, AND SYMBOLS SHOWN ON THIS PAGE ARE FOR REFERENCE THROUGHOUT THE PROJECT, NOT ALL ELEMENTS SHOWN WILL APPLY TO THIS SPECIFIC PROJECT, REVIEW THE PROJECT PLANS, SECTIONS, AND ELEVATIONS FOR ADDITIONAL DETAILS AND TO VERIFY WHAT RELATES TO THIS PROJECT.





INTERIOR STEEL STUD FRAMING

THE INTERIOR STUD FRAMING GUIDE DESIGNATES THE DESIGN INTENT OF THE ARCHITECT. THE GUIDE IS FOR THE CONTRACTORS REFERENCE WHEN INSTALLING INTERIOR STUD FRAMED WALLS. IT IS THE CONTRACTORS RESPONSIBILITY TO FOLLOW ALL INFORMATION PORTRAYED WITHIN THIS GUIDE AND THE CONTRACT DOCUMENTS.

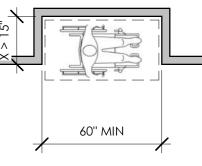
NOTE: VERIFY MIN. STEEL STUD FRAMING GAUGE REQUIREMENTS /MAXIMUM ALLOWABLE HEIGHTS WITH STEEL STUD

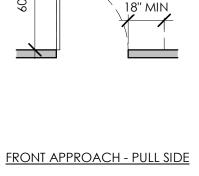
 EXISTING WALL TO REMAIN NEW WALL	Room name
 NEW WALL	101
1 HOUR PARTITION	(1i)
2 HOUR PARTITION	
 3 HOUR PARTITION	(1i)
 ELEMENTS TO BE REMOVED	
 EXTENT OF WORK	
СМИ	
CONCRETE	\oplus
WOOD BLOCKING	\$
STEEL (LARGE SCALE)	
PLASTER	
RIGID INSULATION	



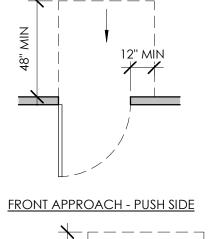
PLYWOOD

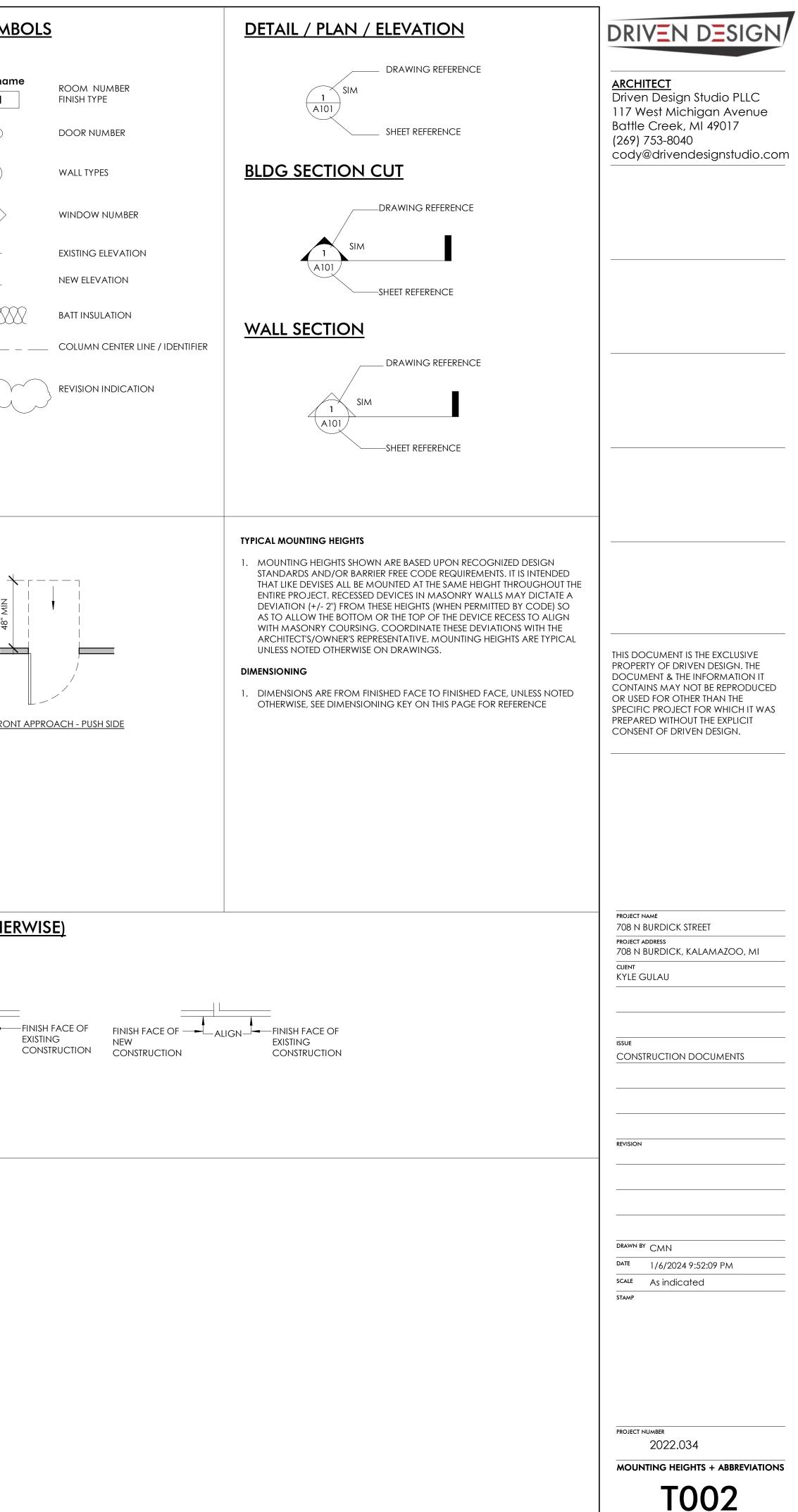
MILLWORK

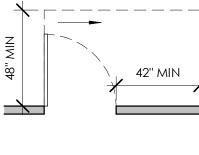


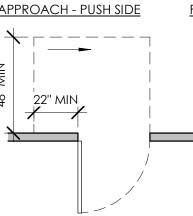


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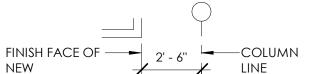






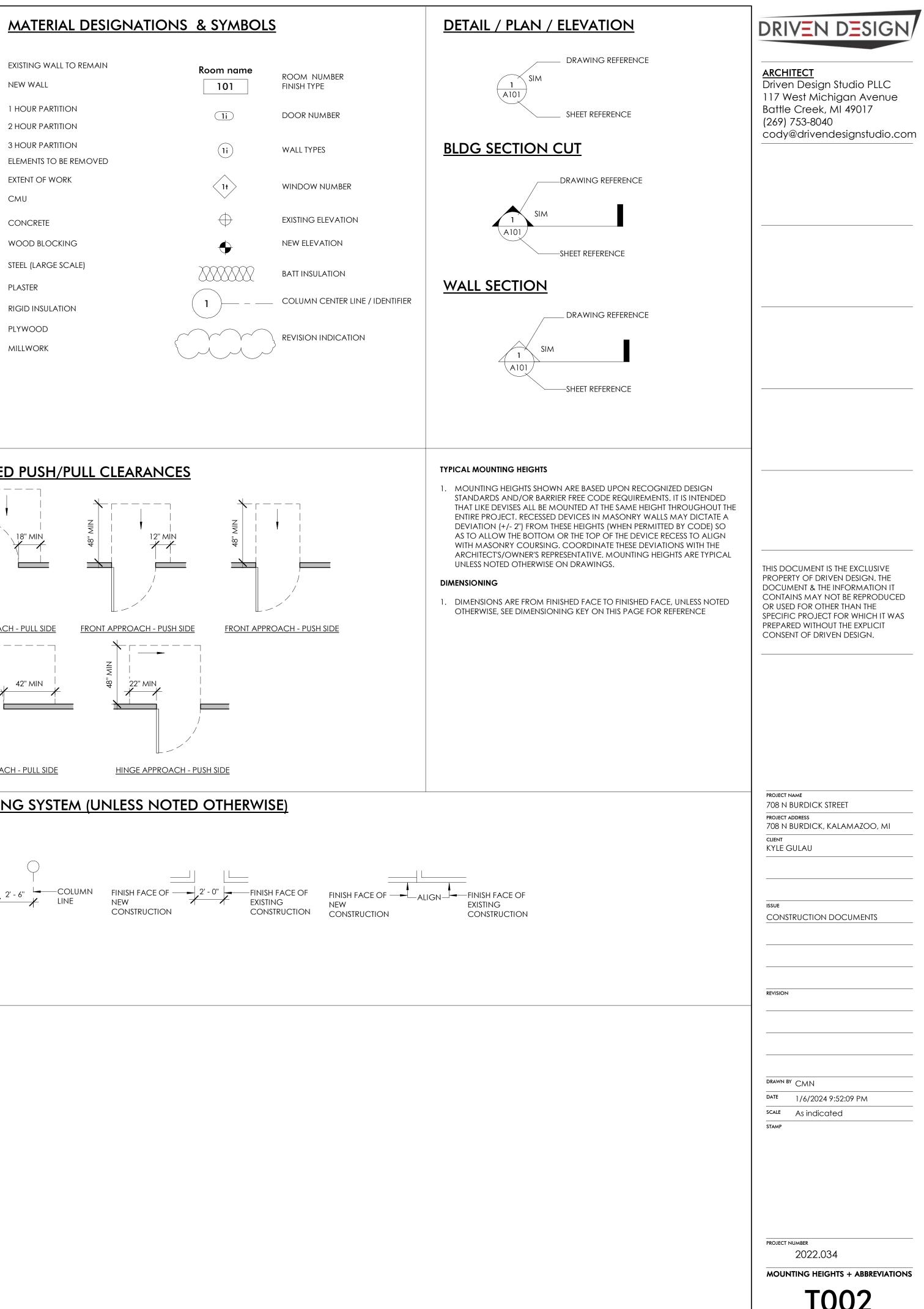
HINGE APPROACH - PULL SIDE

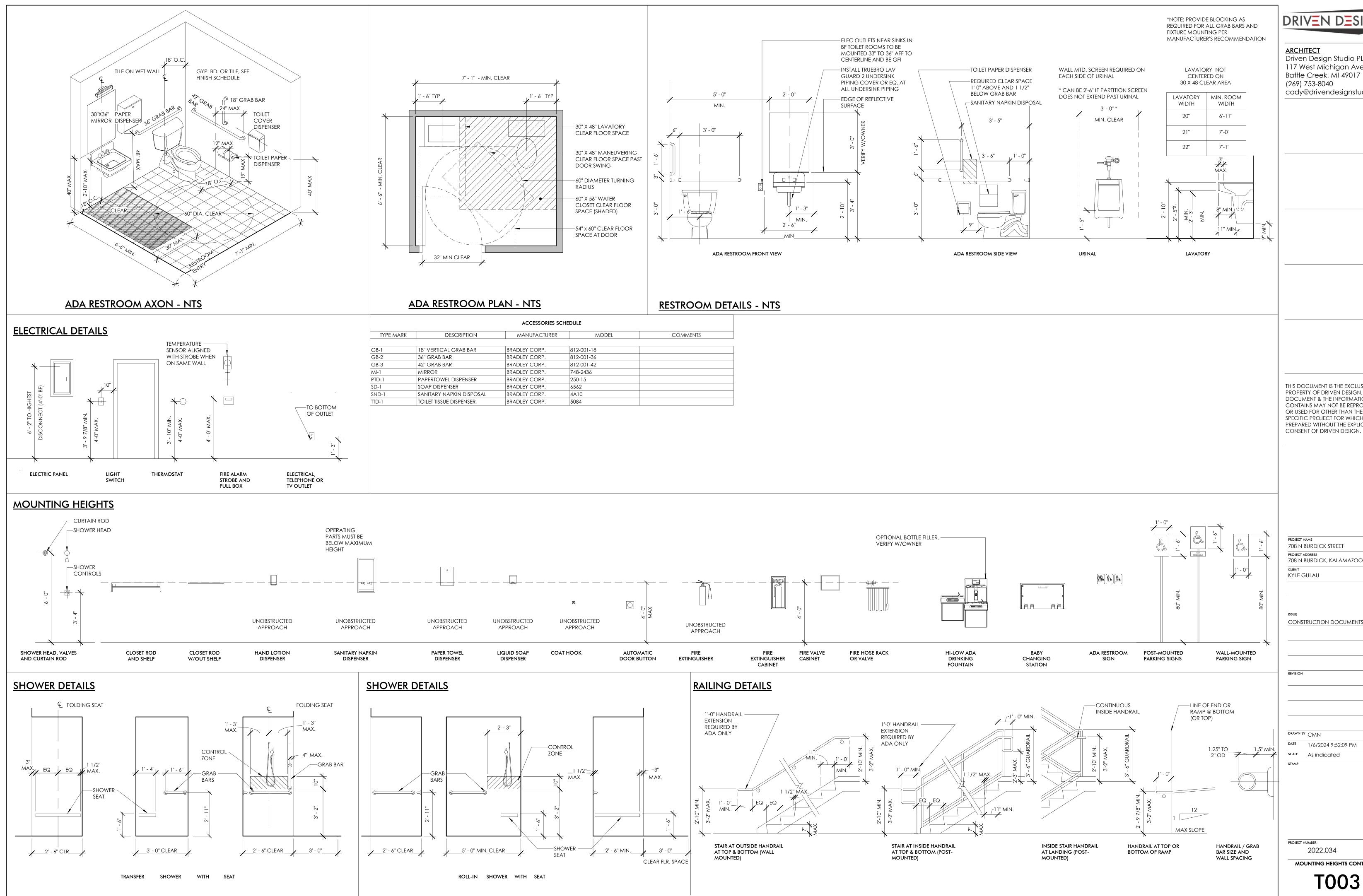
DIMENSIONING SYSTEM (UNLESS NOTED OTHERWISE)



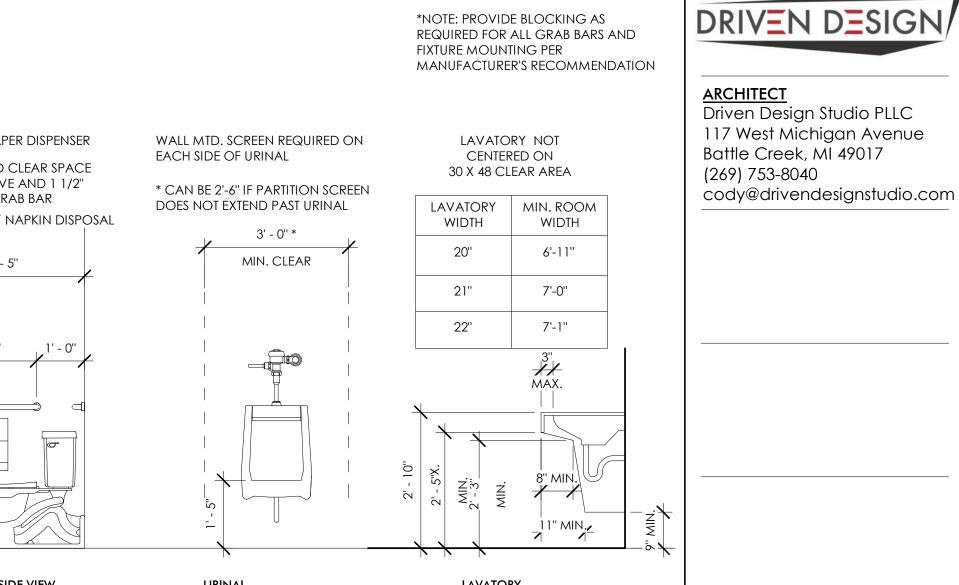
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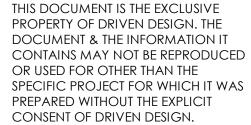


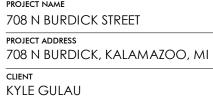




	ACCESSORIES SCI	HEDULE	
RIPTION	MANUFACTURER	MODEL	COMMENTS
AB BAR	BRADLEY CORP.	812-001-18	
	BRADLEY CORP.	812-001-36	
	BRADLEY CORP.	812-001-42	
	BRADLEY CORP.	748-2436	
PENSER	BRADLEY CORP.	250-15	
	BRADLEY CORP.	6562	
I DISPOSAL	BRADLEY CORP.	4A10	
PENSER	BRADLEY CORP.	5084	



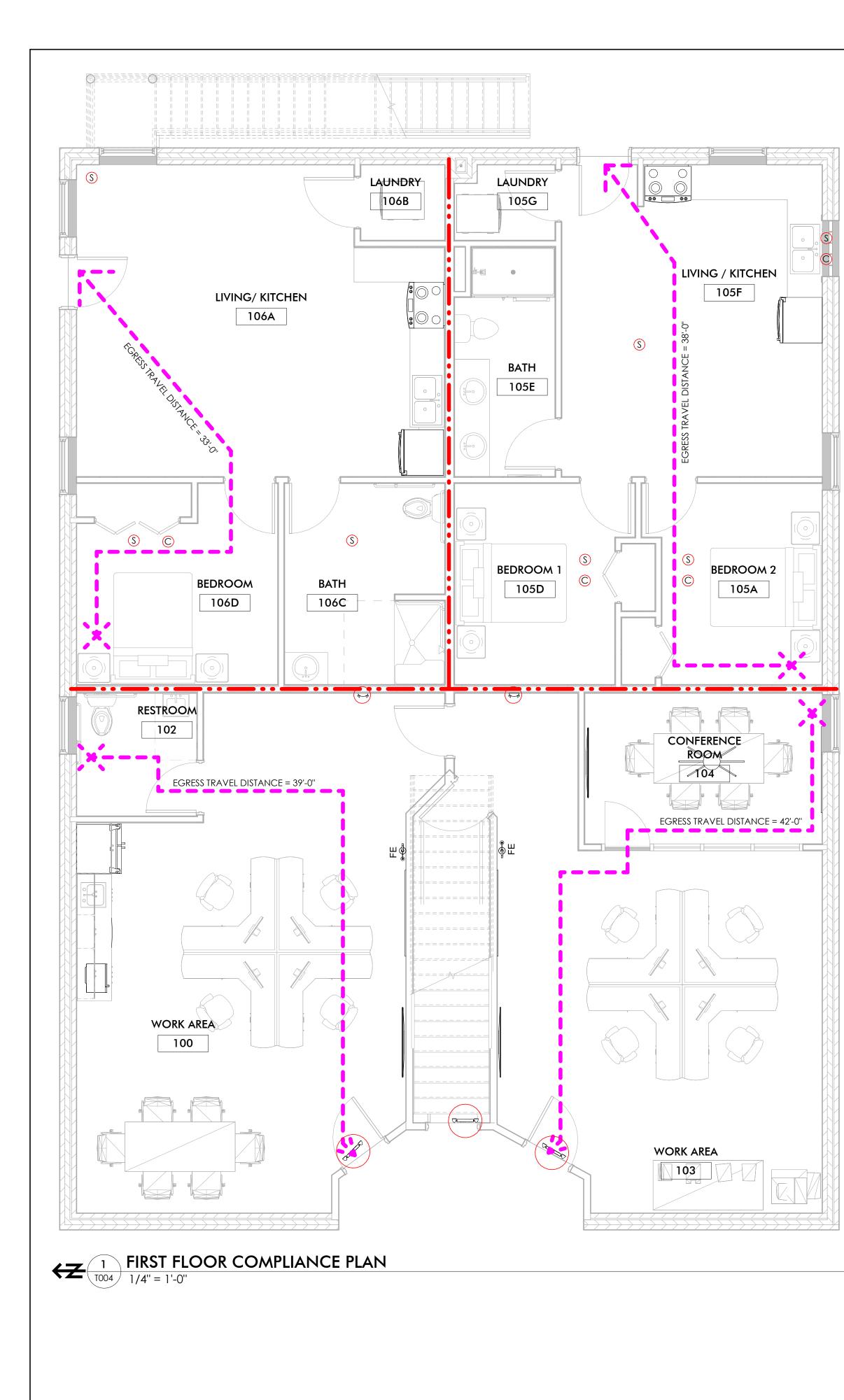


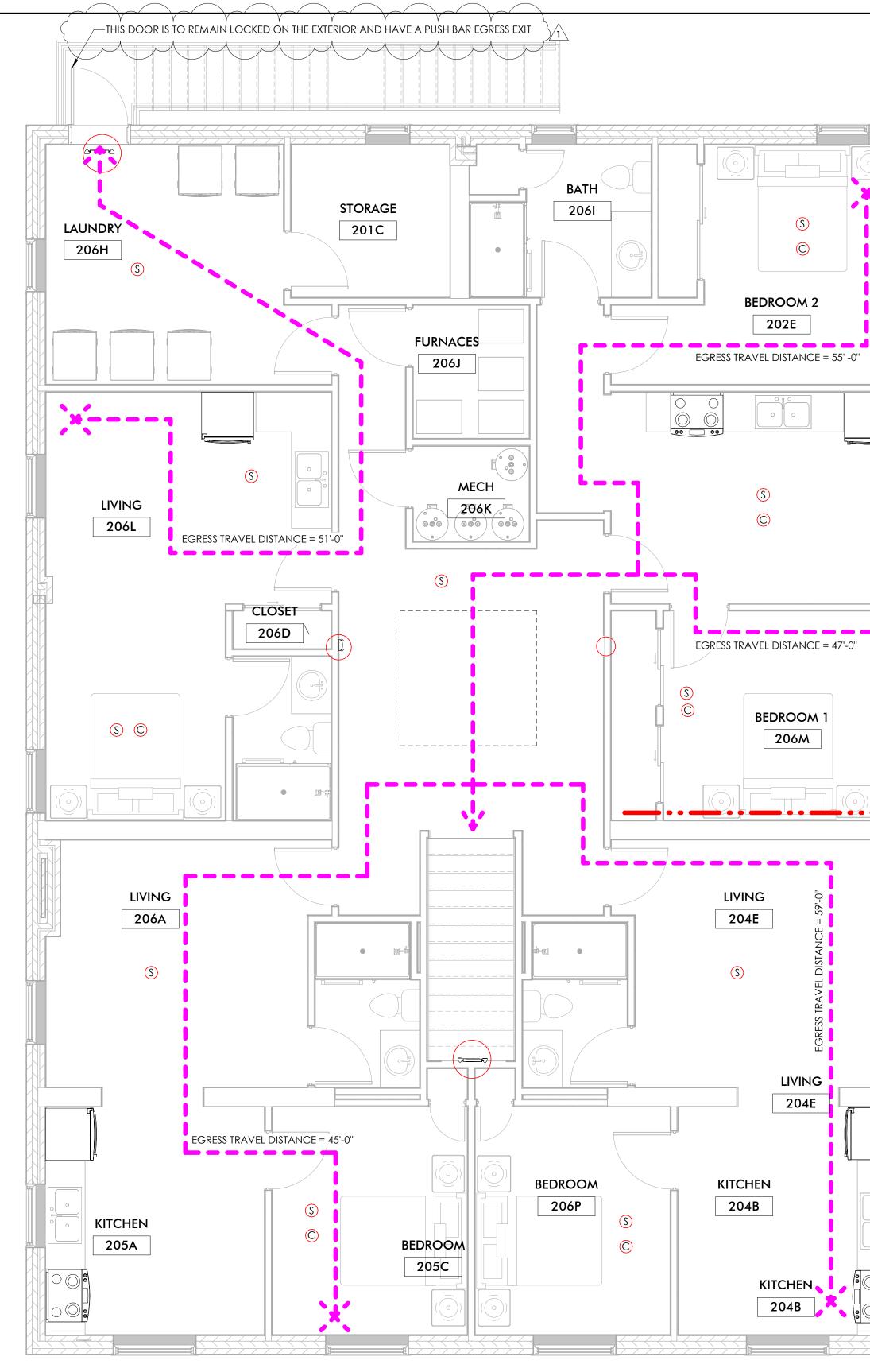


CONSTRUCTION DOCUMENTS

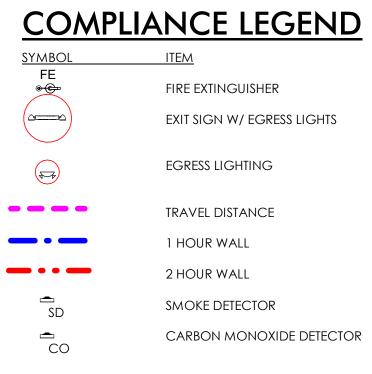
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2022.034 MOUNTING HEIGHTS CONTINUED





SECOND FLOOR COMPLIANCE PLAN



TOPIC	SECTION		
APPLICABLE CODES 2015 INTERNATIONAL FIRE CODE			
2015 MICHIGAN BUILDING CODE			
2015 MICHIGAN MECHANICAL			
CODE 2015 MICHIGAN PLUMBING CODE			
2015 MICHIGAN REHABILITATION CODE	505	LEVEL 3 ALTERATION	INTERIOR RENOVATION EXCEEDING 50%
2017 NATIONAL ELECTRICAL CODE			
ANSI/ASHRAE 90.1-2013 ICC/ANSI 117.1-2009			
NFPA 13 (2013) + NFPA 72 (2013)			
ZONING			
ZONING	CITY OF KALAMAZ OO		LV-1
1 - SCOPE AND ADMIN			
DEFERRED SUBMITTALS	107.3.4.1		THERE ARE NO DEFERR
			PROJECT
DESIGN PROFESSIONAL IN CHARGE	107.3.4		CODY NEWMAN IS TO THE DESIGN PROFESSIO
SPECIAL INSPECTIONS	110		THERE ARE NO SPECIA
			INSPECTIONS FOR THIS PROJECT
3 - USE			
BUILDING USE	304 + 310	BEFORE - VACANT	AFTER - B + R-2
3 - AREA BY USE			1.00.4.05
BUSINESS RESIDENTIAL			1,204 SF 4,170 SF
3 - GROSS BUILDING AREA			1 , ו / ∪ JF
1 - FIRST FLOOR			2,805 SF
2 - SECOND FLOOR			2,742 SF
			5,547 SF
5 - GENERAL BUILDING HEIGHTS AND ALLOWABLE BUILDING HEIGHT	TABLE	75 FEET	75 FEET
	504.3		
BASE STORIES ALLOWED	TABLE 504.4	4 STORIES	2 STORIES
REQUIRED SEPARATION OF	TABLE	1 HOUR	1 HOUR
	508.4	74,000,05	40.000.05
TABULAR AREA	TABLE 506.2	76,000 SF	48,000 SF
6 - TYPE OF CONSTRUCTION		·	
TYPE OF CONSTRUCTION	TABLE 601		III-B
7 - FIRE AND SMOKE PROTECTION			Smoke detectors an
			CARBON MONOXIDE DETECTORS REQUIRED ALL UNITS AND COORI
9 - FIRE PROTECTION SYSTEMS			
AUTOMATIC SPRINKLER SYSTEM	903.2.1.3	REQUIRED	PROVIDED
FIRE ALARM AND DETECTION SYSTEMS	907	REQUIRED	PROVIDED
10 - MEANS OF EGRESS	- I	1	
DOOR EGRESS WIDTH	1005.3.2	36" PER UNIT	PROVIDED
	1005.3.2 TABLE 1017.2	36" PER UNIT 250 FEET	PROVIDED 55' - 6''
DOOR EGRESS WIDTH	TABLE 1017.2 TABLE		
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS	TABLE 1017.2 TABLE 1006.3.1	250 FEET 2 EXITS	55' - 6'' PROVIDED
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH	TABLE 1017.2 TABLE	250 FEET	55' - 6"
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS	TABLE 1017.2 TABLE 1006.3.1	250 FEET 2 EXITS	55' - 6'' PROVIDED
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE	250 FEET 2 EXITS 3' - 0''	55' - 6'' PROVIDED 10' - 4''
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100	55' - 6" PROVIDED 10' - 4" 13 PEOPLE 21 PEOPLE 34 PEOPLE
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100	55' - 6" PROVIDED 10' - 4" 13 PEOPLE 21 PEOPLE 34 PEOPLE
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE NEW 60 MIL WHITE TPO
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 1501.1	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100 4,170 SF /200 WILL COMPLY	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE NEW 60 MIL WHITE TPO RUBBER ROOF
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1004.1.2 1004.1.2 1004.1.2 1004.1.2	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100 4,170 SF /200	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE NEW 60 MIL WHITE TPO RUBBER ROOF ON COMPLIANCE DRAWINGS ON COMPLIANCE
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL EMERGENCY LIGHTING	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1004.1.2 1004.1.2	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100 4,170 SF /200 WILL COMPLY	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE NEW 60 MIL WHITE TPO RUBBER ROOF ON COMPLIANCE DRAWINGS
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL EMERGENCY LIGHTING EMERGENCY POWER EXIT SIGNS	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1501.1 1008.1 1008.3.2,1 008.3.3	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100 4,170 SF /200 WILL COMPLY WILL COMPLY	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE NEW 60 MIL WHITE TPO RUBBER ROOF ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL EMERGENCY LIGHTING EMERGENCY POWER	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1501.1 1008.1 1008.3.2,1 008.3.3 1011.1	250 FEET 2 EXITS 3' - 0" 1,204 SF / 100 4,170 SF /200 WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY NOT REQUIRED, LESS THAN 15 PEOPLE IN	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE 34 PEOPLE ON COMPLIANCE DRAWINGS ON COMPLIANCE ON COMPLIANCE ON COMPLIANCE ON COMPLIANCE
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL EMERGENCY LIGHTING EMERGENCY POWER EXIT SIGNS 28 - PLUMBING	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1501.1 1008.1 1008.3.2,1 008.3.3 1011.1	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100 4,170 SF /200 WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY NOT REQUIRED, LESS THAN 15 PEOPLE IN OFFICE	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE 34 PEOPLE ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL EMERGENCY LIGHTING EMERGENCY POWER EXIT SIGNS 28 - PLUMBING DRINKING FOUNTAIN REQUIREMENTS LAVATORY REQUIREMENTS	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1008.1 1008.3.2,1 008.3.3 1011.1 410 TABLE 403.1	250 FEET 2 EXITS 3' - 0" 1,204 SF / 100 4,170 SF /200 WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY NOT REQUIRED, LESS THAN 15 PEOPLE IN	55' - 6'' PROVIDED 10' - 4'' 13 PEOPLE 21 PEOPLE 34 PEOPLE 34 PEOPLE NEW 60 MIL WHITE TPO RUBBER ROOF ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS NOT PROVIDED 1 UNISEX
DOOR EGRESS WIDTH EXIT ACCESS TRAVEL DISTANCE NUMBER OF EXITS STAIR EGRESS WIDTH 10 - OCCUPANCY OCCUPANCY OCCUPANCY TOTAL OCCUPANT LOAD 15 - ROOF ASSEMBLY 27 - ELECTRICAL EMERGENCY LIGHTING EMERGENCY POWER EXIT SIGNS 28 - PLUMBING DRINKING FOUNTAIN REQUIREMENTS	TABLE 1017.2 TABLE 1006.3.1 1005.3.1 TABLE 1004.1.2 TABLE 1004.1.2 TABLE 1004.1.2 1501.1 1008.1 1008.3.2,1 008.3.3 1011.1 410 TABLE	250 FEET 2 EXITS 3' - 0'' 1,204 SF / 100 4,170 SF /200 WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY WILL COMPLY NOT REQUIRED, LESS THAN 15 PEOPLE IN OFFICE	55' - 6" PROVIDED 10' - 4" 13 PEOPLE 21 PEOPLE 34 PEOPLE 34 PEOPLE ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS ON COMPLIANCE DRAWINGS NOT PROVIDED



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PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

ISSUE CONSTRUCTION DOCUMENTS

REVISION

drawn by CMN DATE 1/6/2024 9:52:11 PM SCALE 1/4" = 1'-0" STAMP

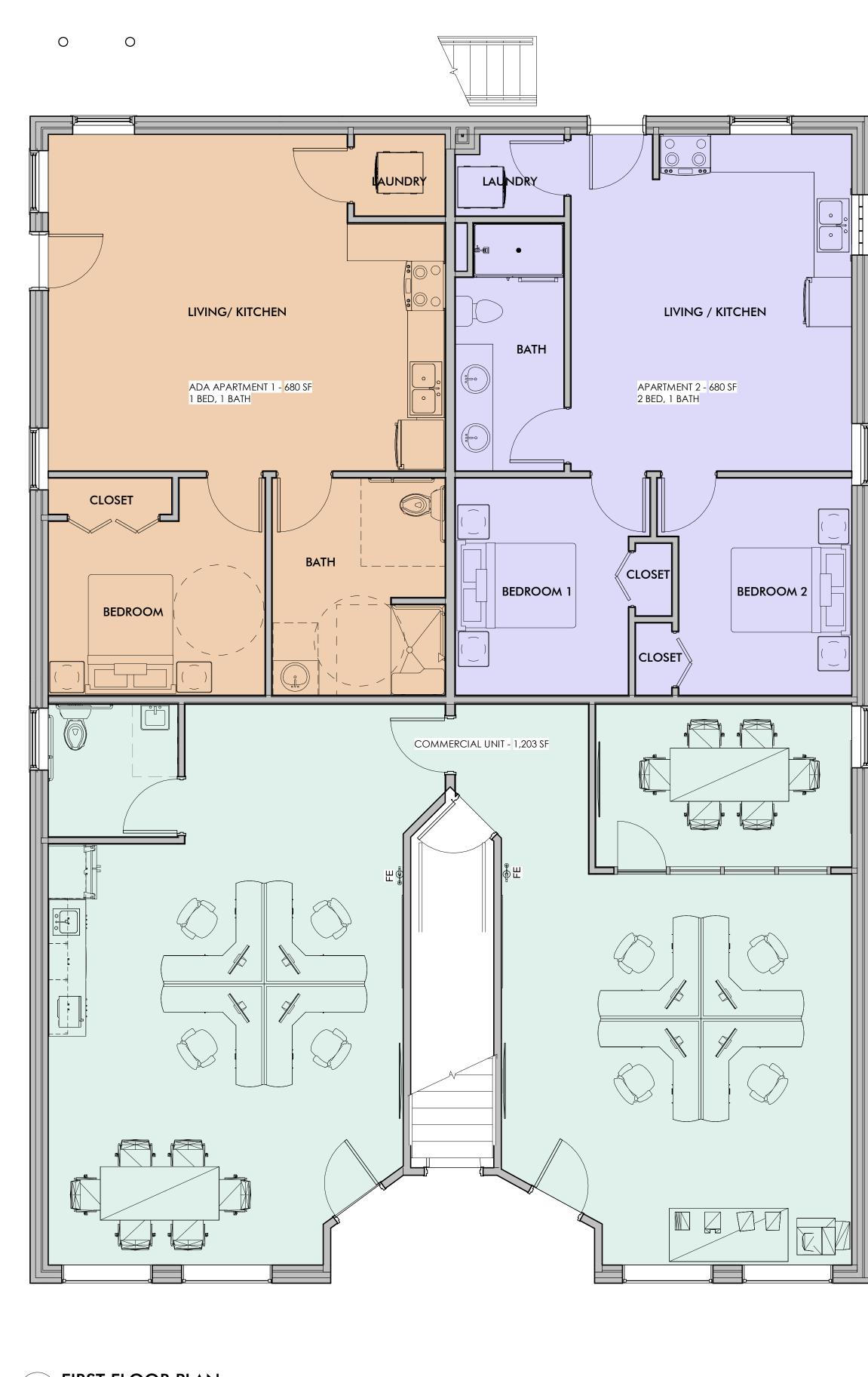
PROJECT NUMBER 2022.034



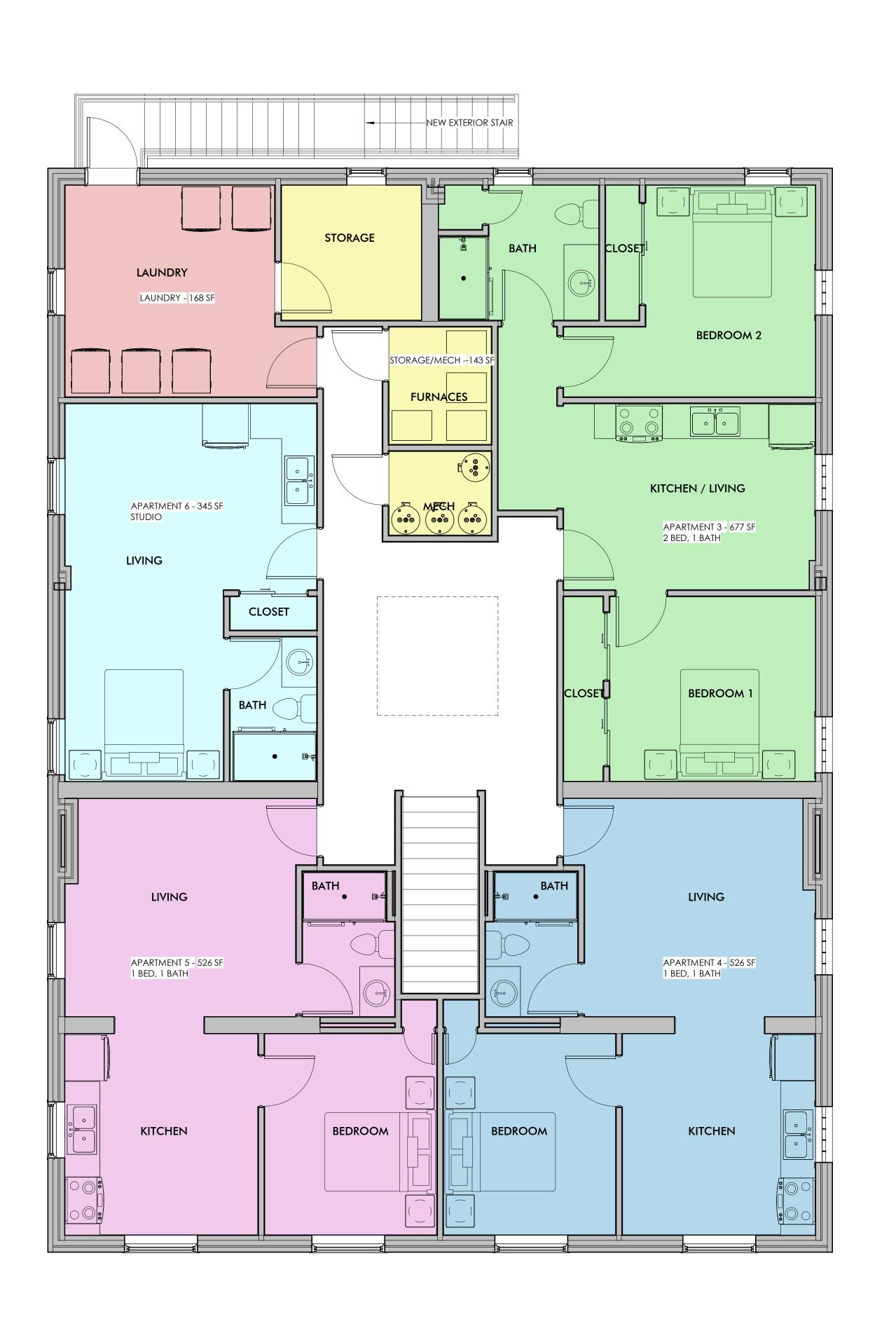
T004

CODE COMPLIANCE GENERAL NOTES

- 1. ENSURE EXIT SIGNS ARE MOUNTED ABOVE THE DOORS AND VISIBLE FROM 75 FEET AWAY. ALL EGRESS LIGHTING IS TO POINT DOWN TO ILLUMINATE THE EGRESS PATH OF TRAVEL.
- 2. ALL FIRE EXTINGUISHERS ARE TO BE ABC EXTINGUISHERS, UNLESS NOTED OTHERWISE. ALL EXTINGUISHERS ARE TO BE TAGGED WITH THE CURRENT YEAR'S INSPECTION ON IT. ANNUAL INSPECTIONS ARE TO OCCUR FOR ALL FIRE EXTINGUISHERS.
- 3. PROVIDE ADA RESTROOM SIGNS AT ALL RESTROOMS, CORRESPONDING TO THE CORRECT SEX.
- 4. SEE T002 FOR MOUNTING HEIGHTS AND LOCATIONS
- 5. SEE T003 FOR ADDITIONAL CODE COMPLIANCE INFORMATION
- 6. FURNITURE AND EQUIPMENT SHOWN ON COMPLIANCE DRAWINGS ARE FOR REFERENCE ONLY



FIRST FLOOR PLAN 1/4" = 1'-0"







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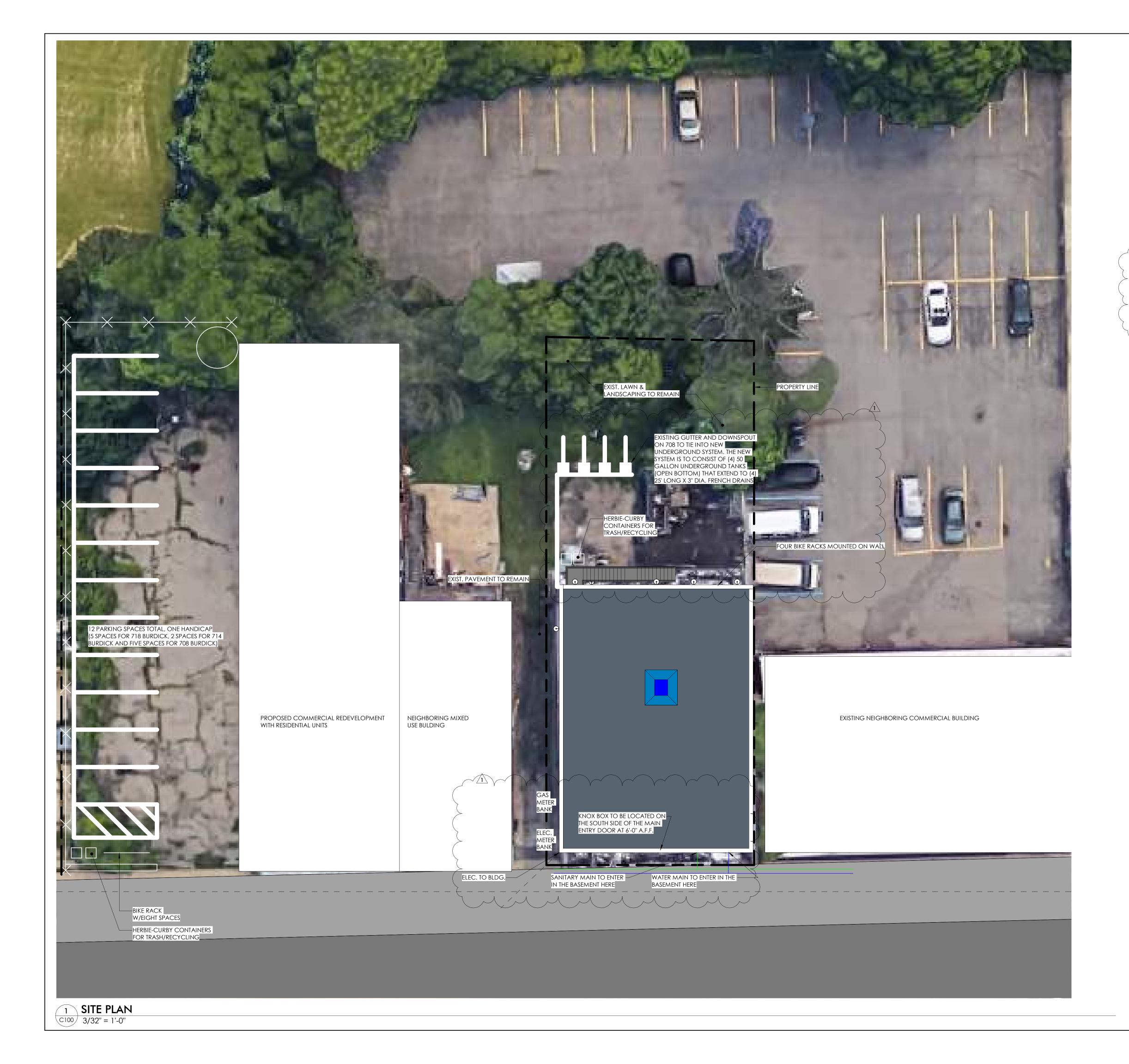
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- 1. EXISTING BUILDING TO REMAIN ON THE EXISTING SITE
- 2. THE UTILITIES THAT ARE CURRENTLY CONNECTED TO THE BUILDING ARE TO REMAIN
- 3. CONTACT MISS DIG TO LOCATE ALL EXISTING UTILITIES BEFORE DOING ANY SITE WORK
- 4. PATCH EXISTING ASPHALT PARKING LOT AS REQUIRED, RESTRIPE PARKING LOT IF REQUIRED
- 5. EXISTING VEGETATION TO REMAIN ON THE SITE, TRIM AS REQUIRED
- 6. WORK WITHIN THE STREET TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION.
- 7. PERMITS, TESTING, BONDS & INSURANCES ETC., SHALL BE PAID FOR BY THE CONTRACTOR. CITY INSPECTION FEES SHALL BE PAID FOR BY THE OWNER.

PARKING REQUIREMENTS

5 PARKING SPACES ARE TO BE DEDICATED FOR THIS PROJECT ON THE SPECIFIED LOT ON THE SITE PLAN. 1 BIKE SPACE IS REQUIRED PER FIVE UNITS AND ONE PER SEVEN EMPLOYEES. THREE TOTAL BIKE RACK SPACES WOULD BE REQUIRED FOR THIS PROJECT, FOUR SPACES WILL BE PROVIDED.

LEGAL DESCRIPTION

38364 T C SHELDONS ADDITION, LIBER 3 OF PLATS PAGE 16; THE NORTH 56.5FT OF THE SOUTH 137FT OF LOT 11 IN BLOCK 44. THE NORTH 56.5FT OF THE SOUTH 137FT OF LOT 12 IN BLOCK 44. ALSO HISTORICALLY DESCRIBED AS T C SHELDON ADDITION, LIBER 3 OF PLATS PAGE 16; THE NORTH 52FT 11 INCHES OF THE SOUTH 133FT 05 INCHES OF LOT 11 IN BLOCK 44 & THE NORTH 52FT 11 INCHES OF THE SOUTH 133FT 05 INCHES OF LOT 12 IN BLOCK. THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF DRIVEN DESIGN. THE DOCUMENT & THE INFORMATION IT CONTAINS MAY NOT BE REPRODUCED OR USED FOR OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT WAS PREPARED WITHOUT THE EXPLICIT CONSENT OF DRIVEN DESIGN.

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ARCHITECT

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CLIENT KYLE GULAU

PROJECT NAME

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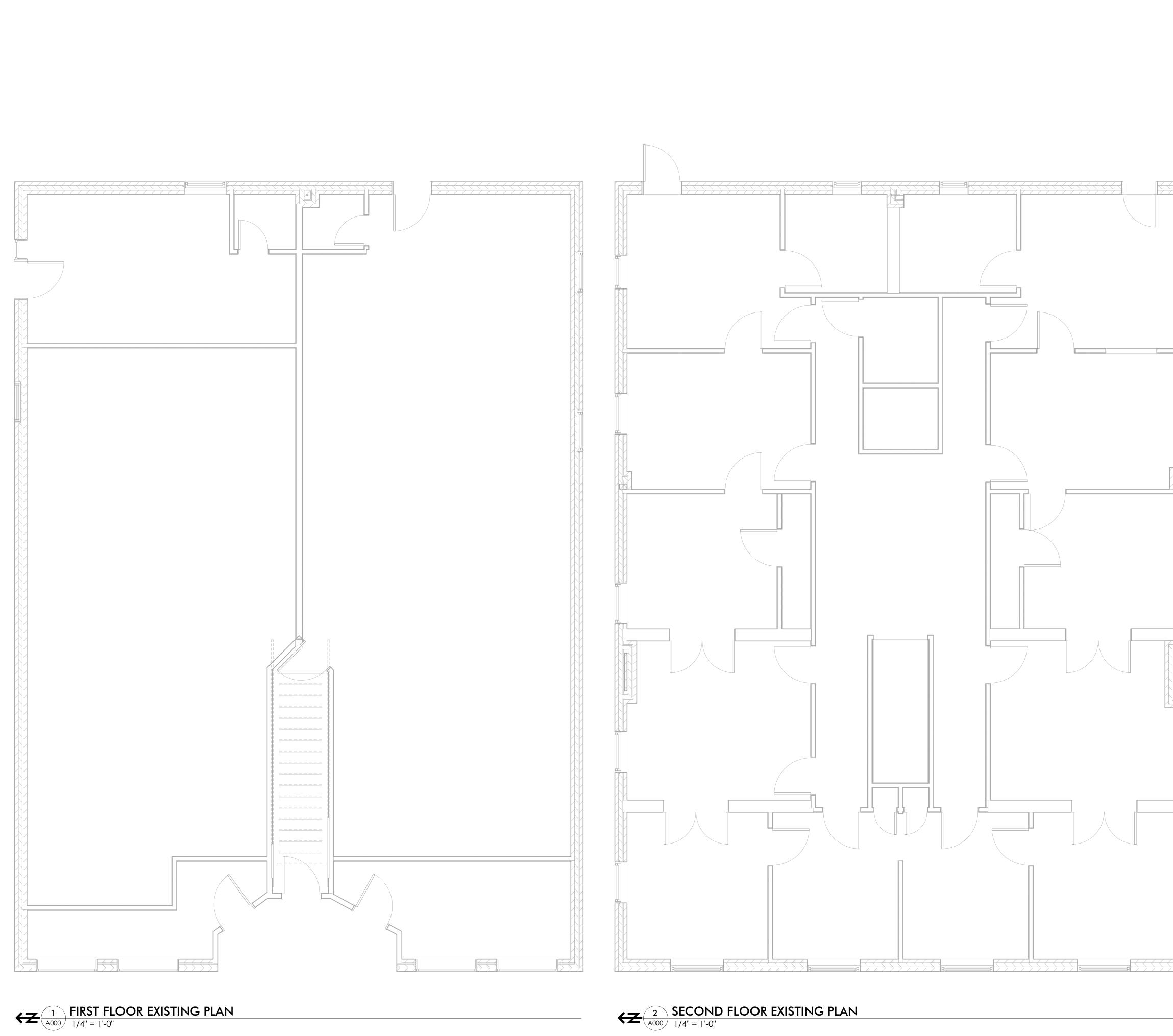
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ARCHITECTURAL SITE PLAN





EXISTING PLANS AND DIMENSIONS ARE SHOWN FOR REFERENCE ONLY, THERE IS NO PROPOSED WORK IN THE BASEMENT AS PART OF THIS PROJECT



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PROJECT NAME 708 N BURDICK STREET project address 708 N BURDICK, KALAMAZOO, MI

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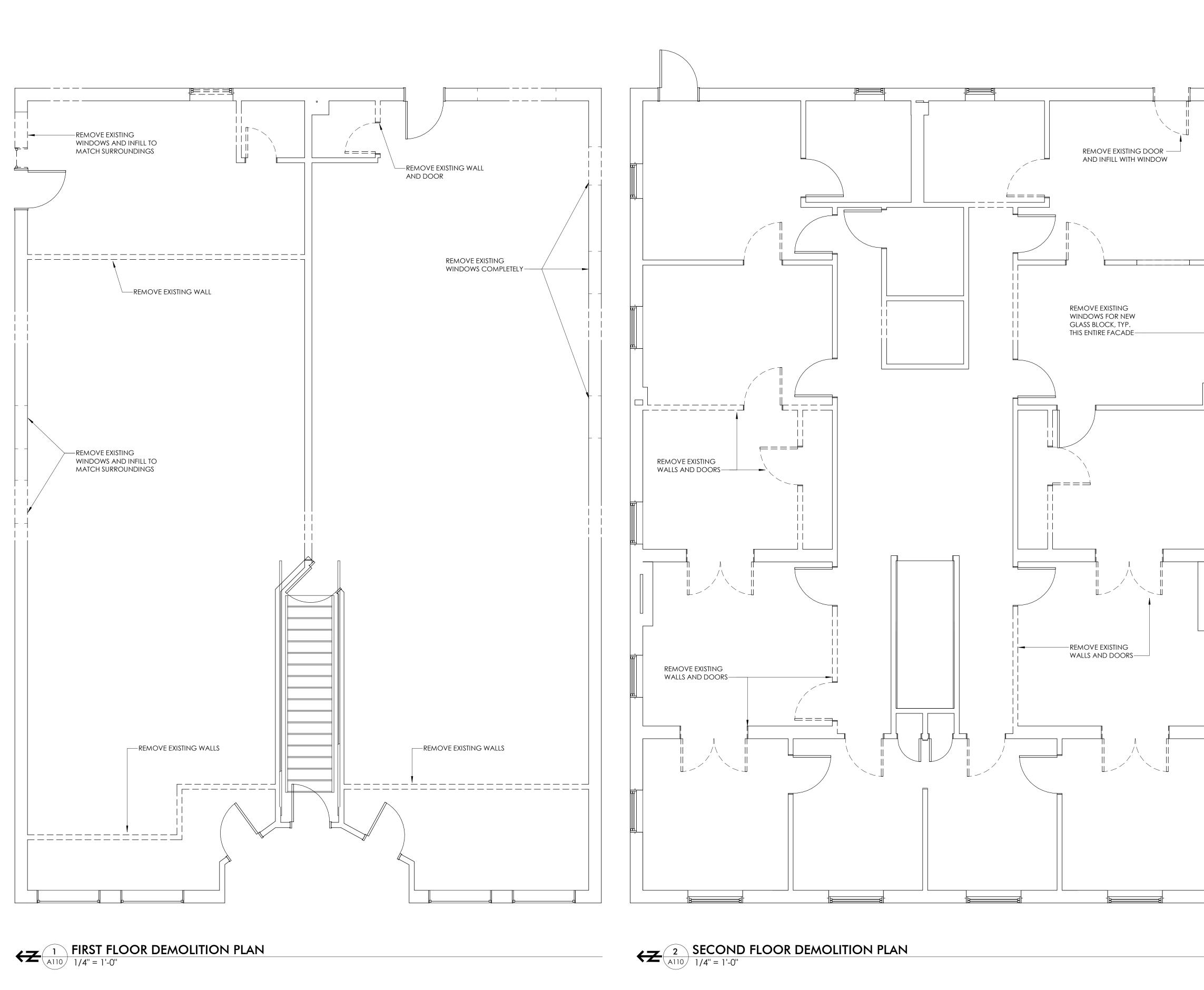
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KYLE GULAU

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DEMOLITION NOTES

- 1. REMOVE ALL DASHED WALLS, WINDOWS, AND DOORS COMPLETELY.
- 2. OWNER TO REMOVE ALL FURNISHINGS/ EQUIPMENT THAT THEY WISH TO RETAIN FROM THE AREAS OF DEMOLITION/ CONSTRUCTION PRIOR TO THE START OF CONSTRUCTION WORK IN EACH AREA. OWNER TO COORDINATE WITH CONTRACTOR REGARDING THE TIME SCHEDULE FOR THIS TO BE COMPLETED.
- 3. PATCH AND FILL ANY HOLES IN THE WALL CAUSED BY THE REMOVAL OF DOORS, WINDOWS, OR WALLS TO MATCH SURROUNDINGS.
- 4. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL SURFACES NOT BEING REMODELED IN THE PROJECT AND IN THE PATH OF THE CONTRACTORS TRAVEL, SETUP AND/ OR PROJECT MATERIAL STORAGE. THE CONTRACTOR MUST RETURN THE AREAS DISTURBED AS REQUIRED FOR ACCESS TO ITS PRE-EXISTING CONDITION.
- . ANY HAZARDOUS MATERIALS ARE TO BE REMOVED BY A LICENSED PROFESSIONAL IN THE STATE OF MICHIGAN.
- 6. ALL SAFETY ISSUES RELATED TO DEMOLITION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST COMPLY WITH ALL STATE, LOCAL, ENVIRONMENTAL AND LABOR LAWS DURING THE CONSTRUCTION OF THIS PROJECT.
- SEQUENCE DEMOLITION WITH STRUCTURAL WORK TO ASSURE SAFETY, PROVIDE SHORING AS REQ'D TO ENSURE SAFE CONDITIONS EXIST. SHORING IS NOT SHOWN ON PLANS. STRUCTURAL ELEMENTS ARE TO REMAIN, UNLESS NOTED OTHERWISE, COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 8. ALL TRADES TO COORDINATE BETWEEN ONE ANOTHER TO AVOID CONFLICTS.
- NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED. THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. CONTRACTOR SHALL REMOVE ALL MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN.
- 10. THE CONTRACTOR SHOULD TAKE CARE DURING THE PROJECT TO NOT INTERRUPT THE USE IN AREAS NOT IN scope.
- 11. PRIOR TO ANY DIGGING ON OR AROUND THE SITE UTILITIES ARE TO BE LOCATED USING MISS DIG.
- 12. ALL RUBBISH AND DEBRIS FROM DEMOLITION IS TO BE REMOVED IMMEDIATELY FROM THE SITE AFTER DEMOLITION. COORDINATE ALL DEMOLITION, DUMPSTER LOCATIONS, BARRICADING, PEDESTRIAN PROTECTION MEASURES, ETC. WITH THE OWNER AND LOCAL MUNICIPALITY PRIOR TO COMMENCEMENT.
- 13. REMOVE ALL LIGHTING, WIRING, FIRE ALARM DEVICES, RECEPTACLES, AND SPEAKERS FROM WALLS AND CEILINGS BEING REMOVED. COORDINATE WITH ARCHITECT AS REQUIRED. REMOVE ALL ABANDONED EXPOSED CONDUIT AND WIRING BACK TO SOURCE. REMOVE WIRING BACK TO PANEL OR NEAREST JUNCTION BOX. RE-LABEL CIRCUIT BREAKER AS SPARE, IN SCOPE OF WORK.
- 14. PROVIDE BLANK COVERPLATE OVER EMPTY OUTLET BOXES IF DEVICE IS REMOVED AND NOT REPLACED.
- 15. REMOVE ALL EXISTING HVAC, FIRE PROTECTION AND PLUMBING EQUIPMENT, PIPING BACK TO MAIN AND ALL ASSOCIATED ACCESSORIES. SANITARY, STORM, AND VENT STACKS TO REMAIN, CAP ANY UNUSED AREAS.
- 16. SALVAGE MATERIALS AS REQUIRED IF PART OF THE SCOPE IS MATCHING MATERIALS OR INFILL MATERIALS AS PART OF A RENOVATION PROJECT.
- 17. REMOVE ALL CEILINGS AND FLOOR FINISHES IN AREAS OF DEMOLITION U.N.O.
- 18. ALL EXISTING COLUMNS AND STRUCTURAL ELEMENTS TO REMAIN. ANY DISCREPANCIES THAT OCCUR IN THE FIELD DURING DEMOLITION SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION.
- 19. THE CONTRACTOR SHALL MAINTAIN THE JOB SITE TO BROOM CLEAN AT ALL TIMES.
- 20. THE OWNER WILL MAINTAIN OCCUPANCY OF SPACES ADJACENT TO AREAS OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL POTENTIALLY DISRUPTIVE ACTIVITIES WITH THE OWNER.

DRIVEN DESIGN

ARCHITECT

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CLIENT KYLE GULAU

PROJECT NAME

ISSUE CONSTRUCTION DOCUMENTS

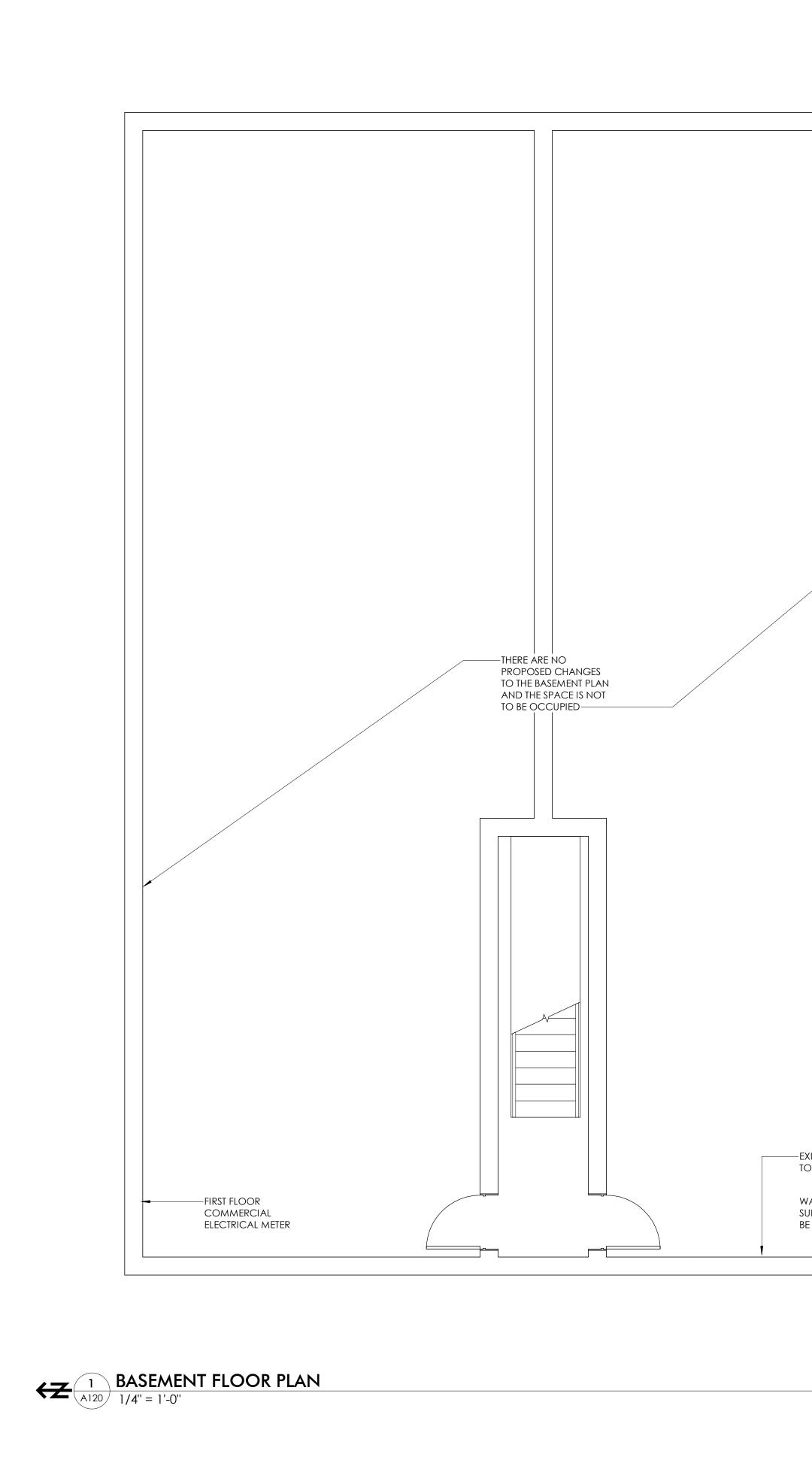
REVISION

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PROJECT NUMBER 2022.034



A110



-EXISTING SANITARY LINE TO BE LOCATED HERE

WATER METER AND FIRE SUPPRESSION RISER TO BE LOCATED HERE

GENERAL NOTES

- 1. ALL GYPSUM BOARD THROUGHOUT IS TO BE 5/8" TYPE-X AS A MINIMUM.
- 2. ALL EXISTING INTERIOR WALLS THAT ARE TO REMAIN ARE TO BE PATCHED AS REQUIRED FROM NEW UTILITIES OR GENERAL CONSTRUCTION.
- 3. INFILL OF EXISTING WALL OPENINGS IS TO RESULT IN FLUSH FINISHES ON BOTH SIDES OF THE WALL. UNLESS OTHERWISE NOTED, USE APPROPRIATE STUD FRAMING TO ACHIEVE DESIRED FINISH.
- 4. INSTALL WOOD BLOCKING IN WALLS AS NECESSARY FOR INSTALLATION OF ALL CASEWORK, MIRRORS, TOWEL BARS, SHOWER CURTAIN RODS, TOILET PAPER DISPENSERS, PAPER TOWEL HOLDERS, TOILET PARTITIONS, RAILINGS, AND ANY OTHER ACCESSORIES.
- 5. PROVIDE CEMENT BOARD IN LIEU OF GYPSUM BOARD AT ALL BATHTUB, SHOWER, AND KITCHEN LOCATIONS TO RECEIVE WALL TILE. COORDINATE WITH INTERIORS.
- 6. DRAWINGS ESTABLISH THE DESIGN INTENT OF WORK TO BE PERFORMED. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL TRADES SHALL CAREFULLY COORDINATE WORK OF ALL OTHER TRADES. CONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS AND FOR VERIFYING THEM WITH THE CONTRACT DOCUMENTS. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OR INSTALLATION.
- 7. COORDINATE SIZE AND LOCATION OF ALL EQUIPMENT SUPPORTS INCLUDING BUT NOT RESTRICTED TO CONCRETE HOUSEKEEPING PADS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
- 8. VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR ALL DISCIPLINES INCLUDING BUT NOT RESTRICTED TO MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
- 9. VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR ALL DISCIPLINES INCLUDING BUT NOT RESTRICTED TO MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE.
- 10. DIMENSIONS PRECEDED BY +/- SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
- 11. BATHROOM MIRRORS AND LIGHT FIXTURES ABOVE VANITIES SHALL BE CENTERED ON THE SINKS.



ARCHITECT

Driven Design Studio PLLC 117 West Michigan Avenue Battle Creek, MI 49017 (269) 753-8040 cody@drivendesignstudio.com

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project name 708 N BURDICK STREET

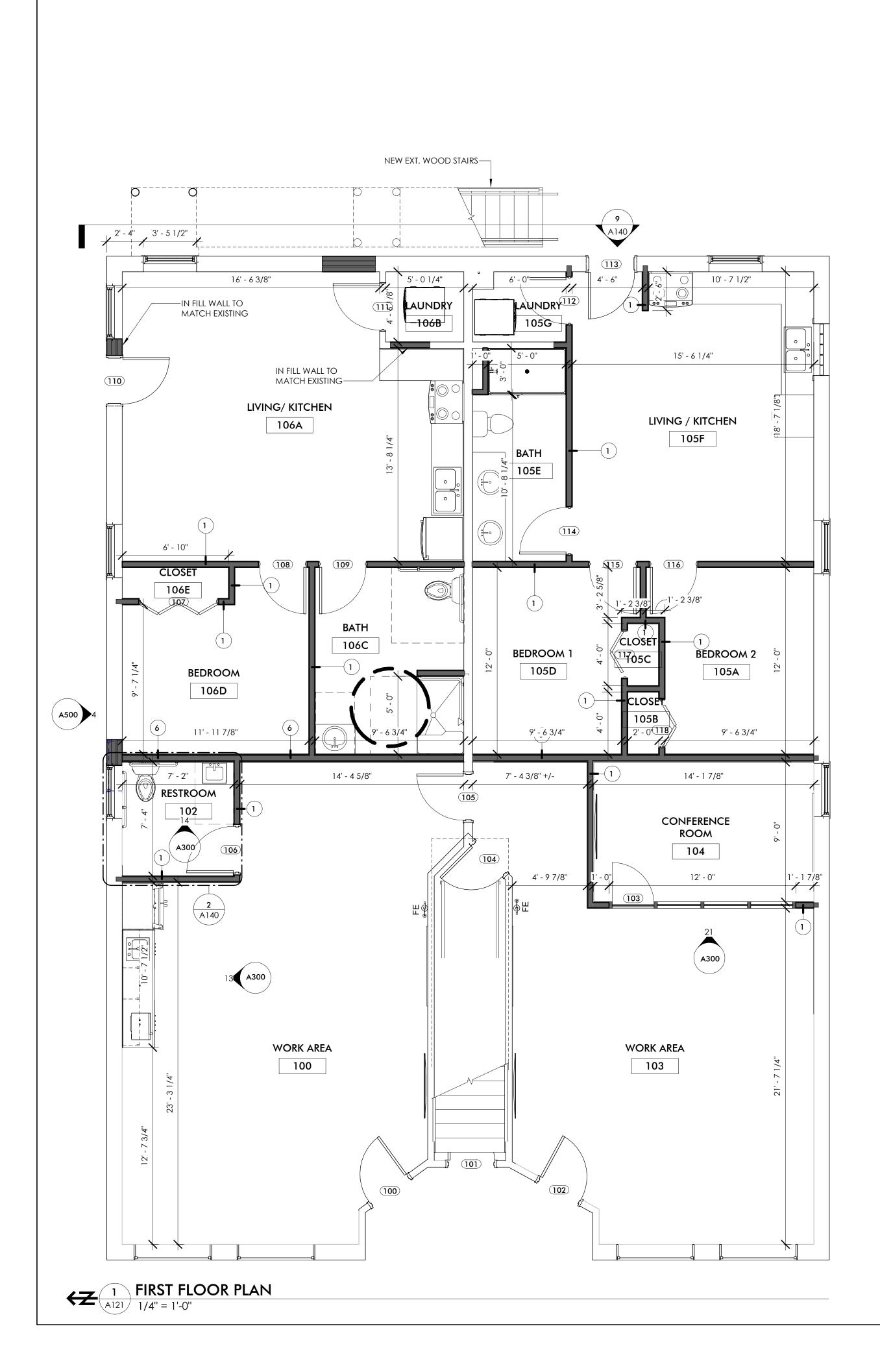
PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

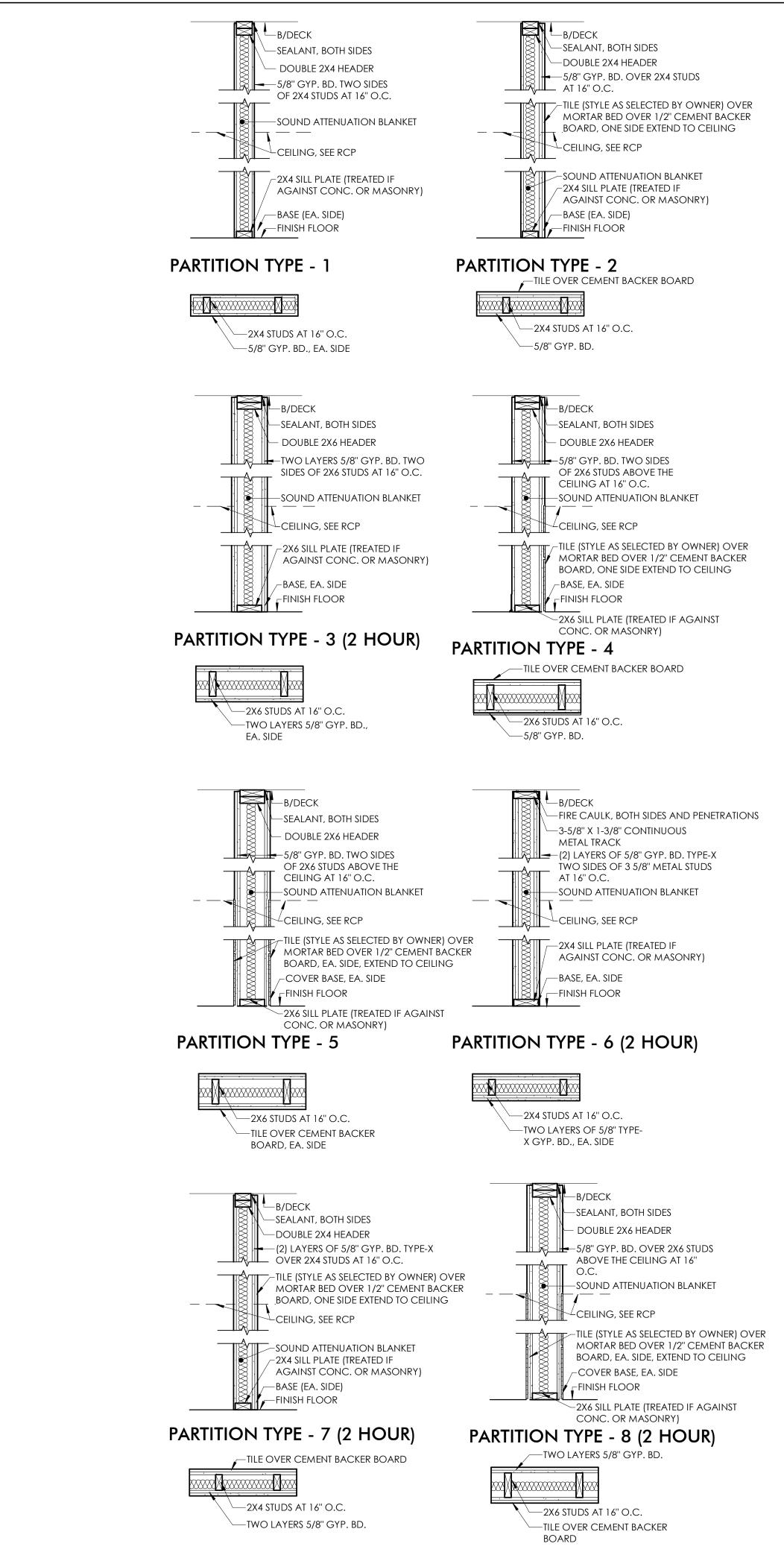
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PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

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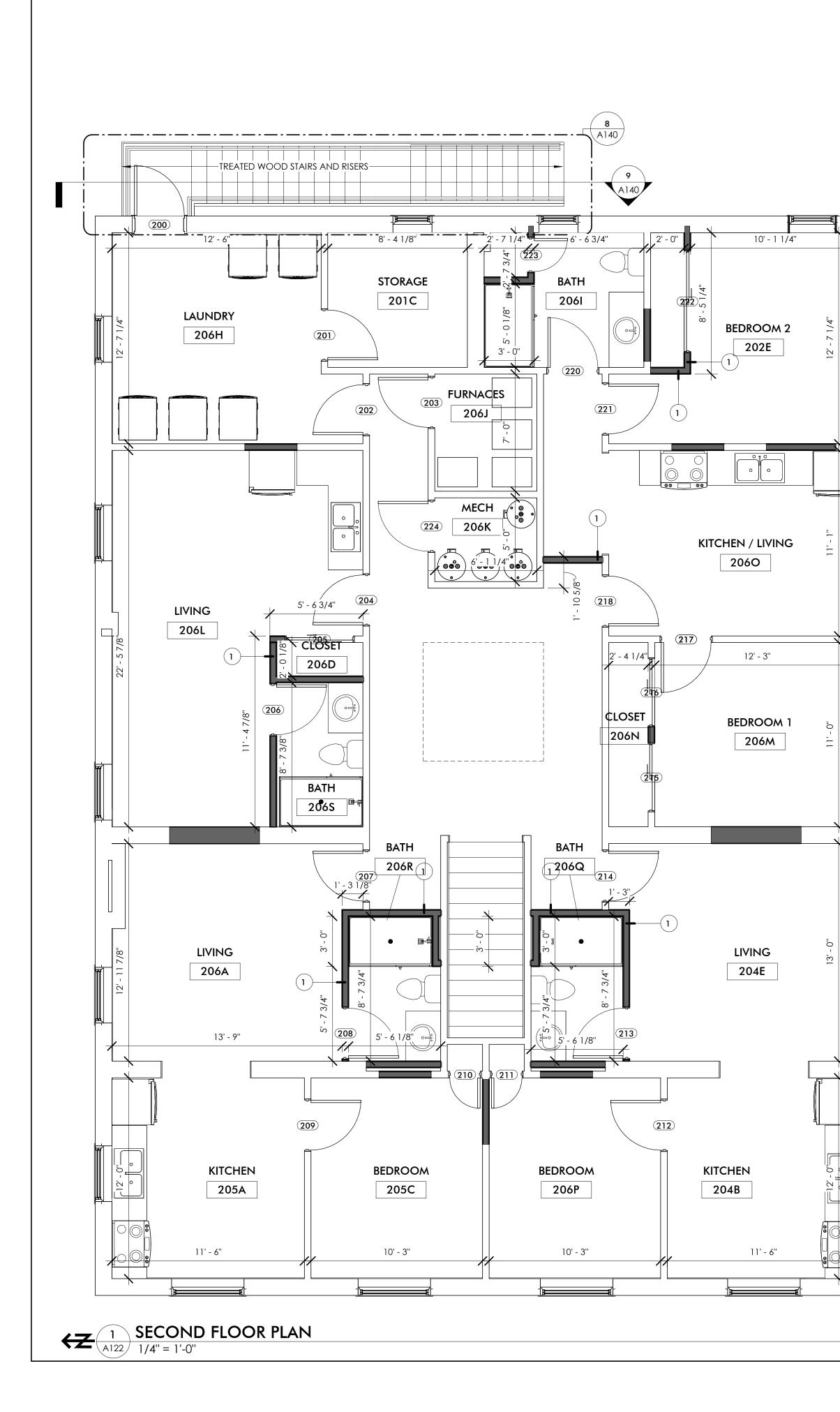
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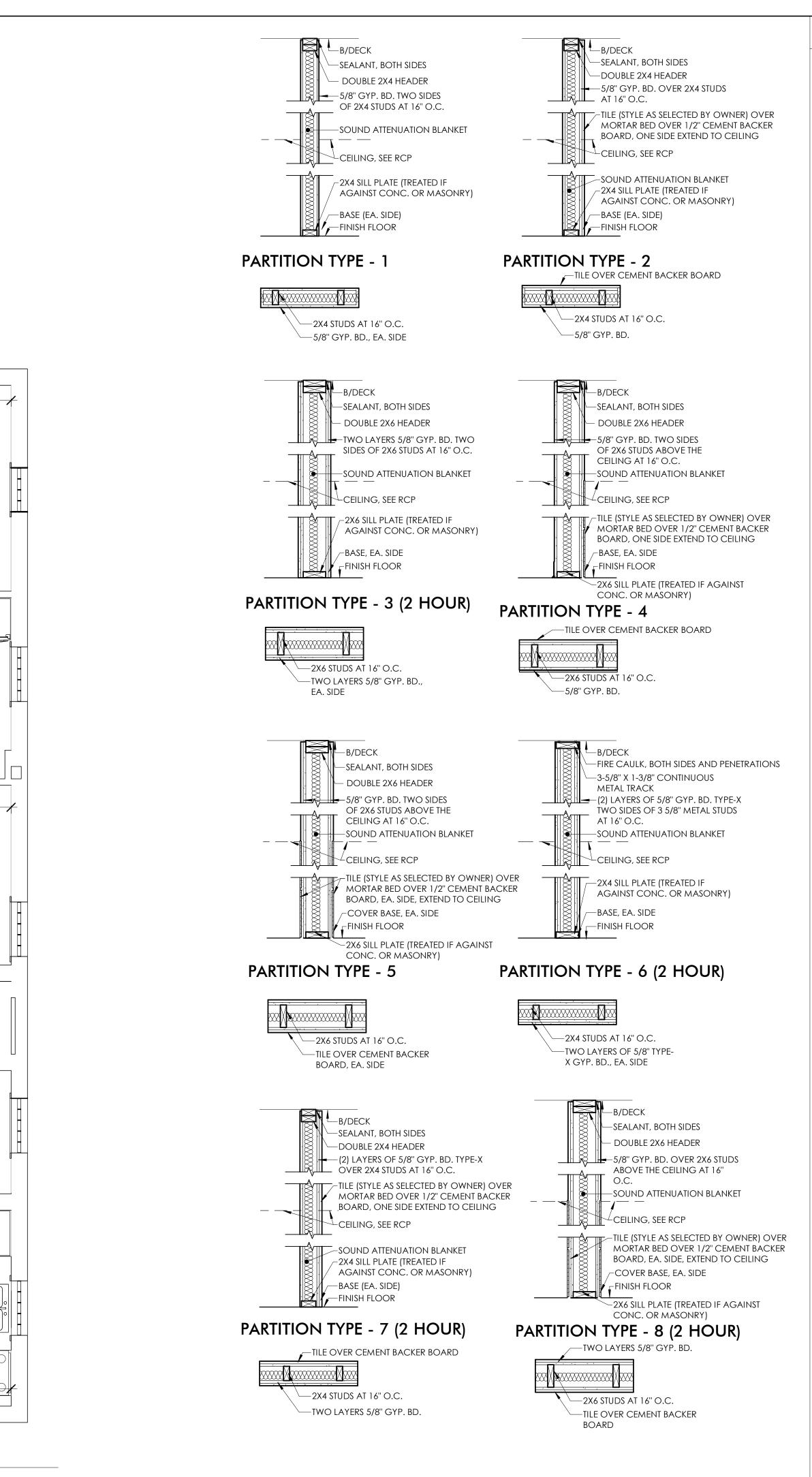
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NEW FIRST FLOOR PLAN







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PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI client KYLE GULAU

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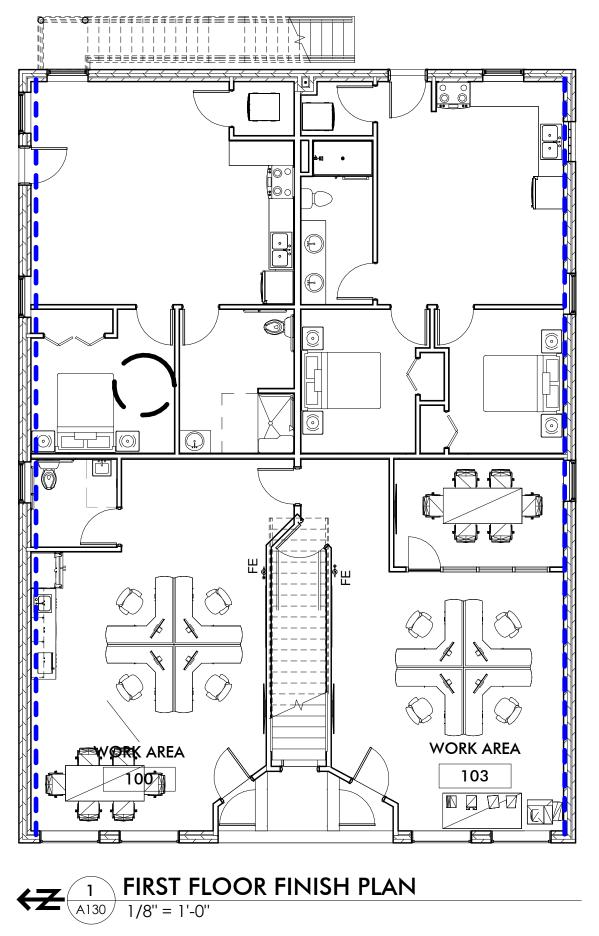
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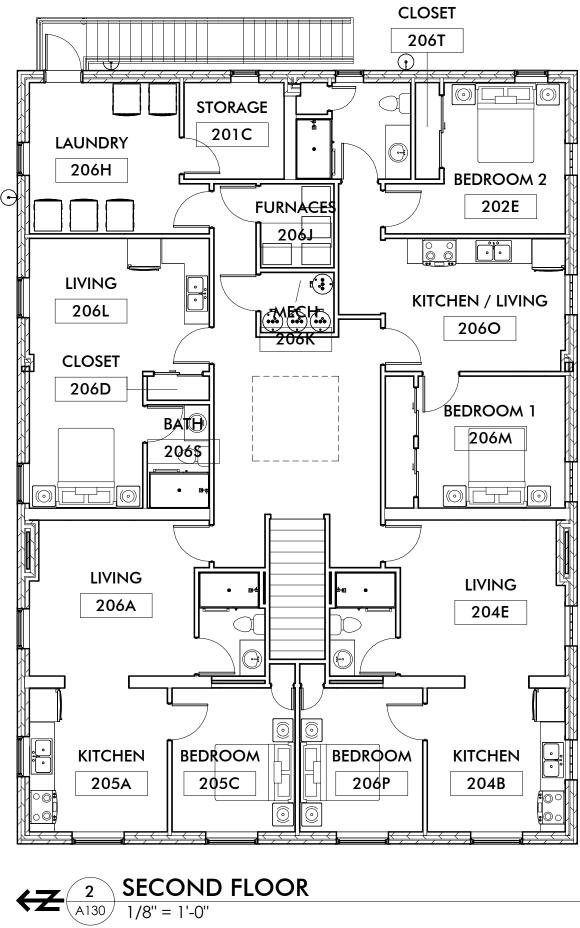
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project NUMBER 2022.034



	FINISH SCHEDULE KEY				FINISH SCHEDULE										
				0175	CONTACT		ROOM								
ODE	MATERIAL	FINISH LOCATION MANUFA	CTURER STYLE	SIZE	COLOR INFO	NOTES	NUMBER	ROOM NAME WORK AREA	FLOOR	BASE WALL - NORTH	WALL - EAST	WALL - SOUTH WALL - WEST	CEILING	CABINET	NOT
PETING 1 CARPE							100A 100B	LIVING KITCHEN							
	OORING SURFACE						100C	BEDROOM							
	D CONCRETE G AND ACCESSORIES						100D 100E	CLOSET BATHROOM							
	RAL COVE BASE						100E	KITCHENETTE							
-1 LINOLE							101A	LIVING							
RUBBER	Y VINYL TILE R BASE						101B 101C	KITCHEN BEDROOM							
RUBBER	r stair tread						101D	CLOSET							
RUBBER SHEET V							101E 102	BATHROOM RESTROOM							
SOLID	VINYL TILE						102A	LIVING							·
VINYL (COMP. TILE						102B 102C	KITCHEN BEDROOM							
GLASS	WALL TILE						102D	CLOSET							
	ELAIN TILE ELAIN TILE BASE						102E 103	BATHROOM WORK AREA							
COVERING							103	CONFERENCE							
	RASE WALLCOVERING WALLCOVERING						105	ROOM Room							
	WALLCOVERING						105	MECH							
							105A 105B	BEDROOM 2 CLOSET							
	CTURAL WOODWORK						105C	CLOSET							
TACKA	ABLE SURFACE						105D	BEDROOM 1							
	C LAMINATE SURFACE						105E 105F	BATH LIVING /							
1 WOOD	D BASEBOARD						105G	KITCHEN LAUNDRY							
1 WOOD -1 WOOD	D TRIM D-VENEER-FACED ARCHITECTURAL CABINETS						105G 106	Room							
AND DOOR P	PROTECTION		I				106	HALWAY							
-1 IMPAC USTICAL PANEL	T RESISTANT WALL PROTECTION						106A	LIVING/ KITCHEN							
1 ACOUS	STICAL CEILING PANEL						106В 106С	LAUNDRY BATH							
SPECIA OW COVERIN	ALTY CEILING SYSTEM						108C	BEDROOM							
	R WINDOW SHADES						106E	CLOSET							
WINDC	DW FILM						107	Room Room							
					ALL FINISHES		109	Room							
							110	Room Room							
							112	Room							·
							113 114	Room Room							
							200	CORRIDOR							·
							201A 201B	LIVING KITCHEN							
							201C	STORAGE							
							201D 201E	CLOSET BATHROOM							
							201L 202A	LIVING							
							202B	KITCHEN							
							202C 202D	BEDROOM CLOSET							
							202E	BEDROOM 2							
							203 204A	LAUNDRY LIVING							
							204B	KITCHEN							·
							204C 204D	BEDROOM CLOSET							
						ACET.	204E	LIVING							·
jų.							204F 205A	CLOSET KITCHEN							
11						01	205B	KITCHEN							. <u></u> _
							205C 205D	BEDROOM CLOSET							
				ѕто			205D 205E	BATHROOM							
							205F	CLOSET							
							206A 206B	LIVING KITCHEN							
			206H		<u> </u>		206C	BEDROOM							
					FURNACES	202E	206D 206E	CLOSET BATHROOM							
					2061		206F	Room							·
							206G 206H	Room LAUNDRY							
		_	LIVING				2061	BATH							·
		Ĩ, M └────	206L				206J 206K	FURNACES MECH							
						2060	206L	LIVING							
							206M	BEDROOM 1							
			206D				206N 206O	CLOSET KITCHEN /							
				BATH		BEDROOM 1		LIVING							
				2065		206M	206P 206Q	BEDROOM BATH							
				€09	. II		206R	BATH							
				╽┟┲══╍╼╼╼┥╽	⁴ h									1	1 <u></u>
							206S 206T	BATH CLOSET							





- 1. ALL FURNITURE IS SHOWN FOR REFERENCE AND SCALE ONLY, ALL FINAL FURNITURE SELECTION IS TO BE BY OWNER
- 2. PRIME AND PAINT ALL SURFACES WITH A MINIMUM (2) FINISH COATS.
- 3. ALL BATHROOM WET WALLS ARE TO BE PORCELAIN TILE FROM FLOOR TO CEILING. PROVIDE CEMENT BACKER BOARD BEHIND ALL PORCELAIN TILE WALLS.

4. AFTER REMOVING EXISTING FLOORING, GRIND CONCRETE OR REPLACE SUBFLOOR AS REQUIRED TO PROVIDE

- A LEVEL SURFACE FOR THE NEW FLOORING
- 5. SEE EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS
- 6. TRANSITIONS TO BE MANUFACTURED FROM SCHLUTER SYSTEMS U.N.O. IN S.S FINISH IN THE APPROPRIATE THICKNESS FOR THE ADJACENT MATERIALS
- 7. CENTER ALL FLOORING TRANSITIONS UNDER DOORS OR AT THE CENTER OF OPENINGS U.N.O.
- 8. USE LEVELING COMPOUND TO FEATHER FLOOR UP TO APPROPRIATE HEIGHT TO ENSURE THAT TRANSITION STRIP IS FLUSH WITH ADJACENT FLOORING MATERIAL
- 9. DO NOT PROVIDE METAL CORNER PIECES FOR OUTSIDE OR INSIDE CORNERS OF INTEGRAL COVE BASE. CONTRACTOR TO PROVIDE AND INSTALL METAL CHANNEL CAP FOR EXPOSED EDGE OF SHEET VINYL
- 10. GROUT FOR TILE TO BY OWNER
- 11. PROVIDE AND INSTALL ALL NECESSARY TRIM PIECES FOR WALL PROTECTION
- 12. CABINET PULLS TO BE BY OWNER. ALL PULLS TO BE VERTICAL FOR DIRECTIONAL PLACEMENT MOUNTED TO THE LATCH SIDE OF CABINET DOORS AND ____ SIDE OF DRAWERS (U.N.O.) ALL DRAWER PULLS ARE SHOWN FOR REFERENCE ONLY AND NOT INDICATION OF MOUNTING LOCATION
- 13. ALL METAL COUNTERTOP SUPPORTS TO BE FIELD PAINTED TO MATCH SURROUNDING WALL FINISH (IN ALKYD, SEMI-GLOSS PAINT FINISH)
- 14. ALL EXPOSED METAL ELEC./MECH. ITEMS IN OCCUPIED SPACES TO BE FIELD-PAINTED TO MATCH SURROUNDING WALL FINISH
- 15. BULKHEADS TO BE PAINTED TO MATCH SURROUNDING WALLS ON FACE AND UNDERSIDE U.N.O
- 16. ALL SOLID SURFACE COUNTERTOPS AND BACKSPLASHES TO HAVE MITERED, FINISHED EASED EDGES
- 17. ALL CONCEALED SUPPORT BRACKETS TO BE A&M HARDWARE C/EC FLAT CONCEALED BRACKETS IN APPROPRIATE SIZE - BASIS OF DESIGN
- 18. PAINT CONDUIT, PIPING, JUNCTION BOXES, DUCTWORK AND OTHER EXPOSED UTILITIES TO MATCH CEILING PAINT, OTHER THAN IN MECHANICAL AND ELECTRICAL ROOMS U.N.O.
- 19. SUBMIT 9"X9" SAMPLES FOR APPROVAL ON ALL FINISHES PRIOR TO ORDERING
- 20. REFER TO FINISH PLANS AND ELEVATIONS FOR ACCENT WALL LOCATIONS AND MULTIPLE FINISH LOCATIONS
- 21. REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS INCLUDING PLANS, ELEVATIONS AND DETAILS FOR COMPLETE INTERIORS INFORMATION
- 22. CONDUCT MOISTURE TESTS ON ALL CONCRETE SLABS WHERE FINISH MATERIALS ARE SCHEDULED. RECORD PASSING MOISTURE LEVELS PRIOR TO START OF INSTALLATION. REFERENCE MANUFACTURERS INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS
- 23. WHERE SPECIFIED, PROVIDE CONTINUOUS LENGTH OF RUBBER WALL BASE WITH FIELD FORMED CORNERS, U.N.O.
- 24. PROVIDE A SMOOTH LEVEL 4 DRYWALL FINISH ON ALL GYPSUM WALLS U.N.O.

FINISH PLAN SYMBOL LEGEND

• • • • • • • EXISTING BRICK

DRIVEN DESIGN

ARCHITECT

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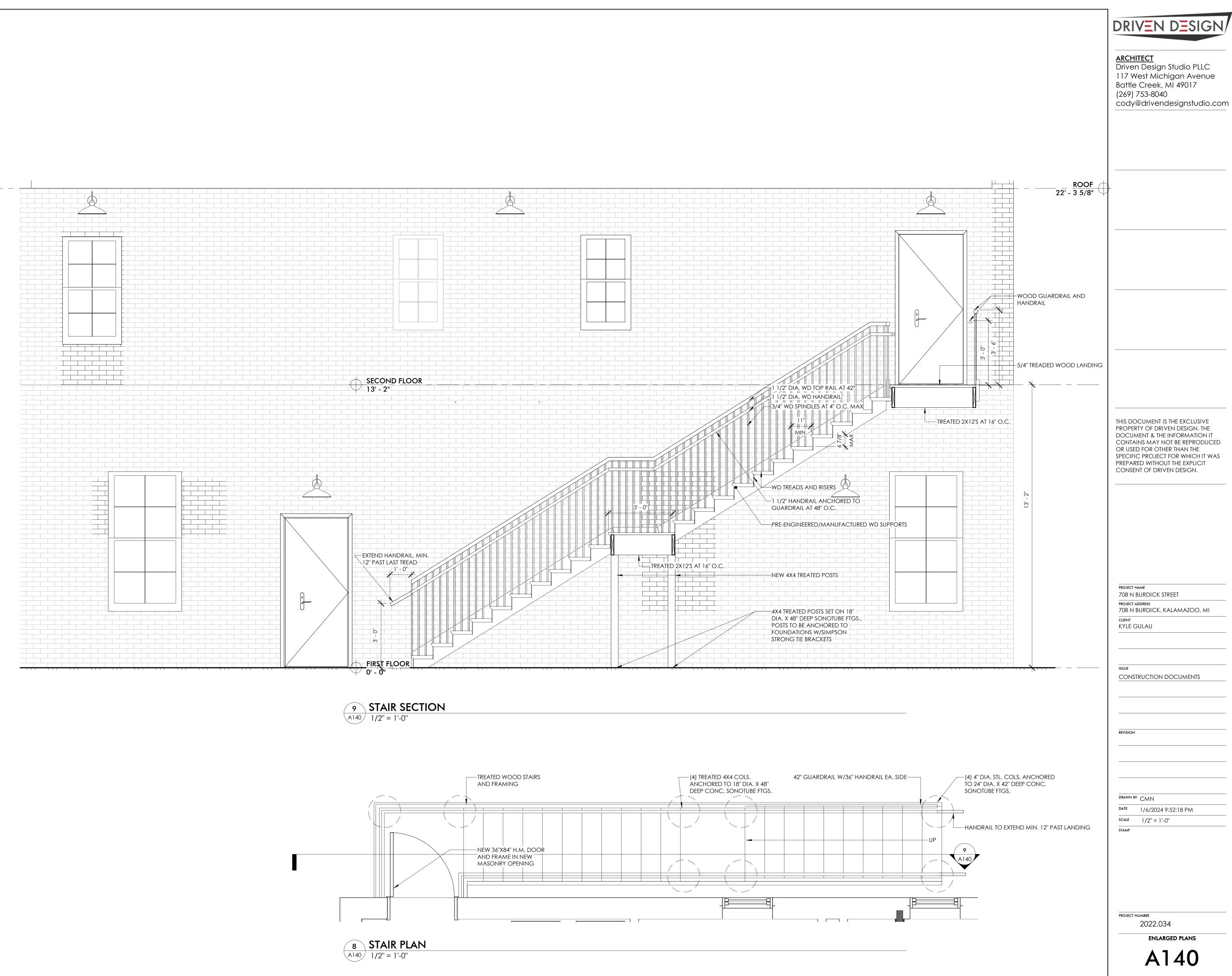
PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

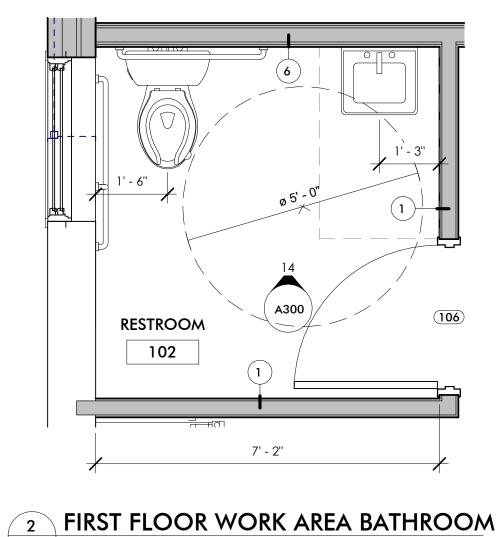
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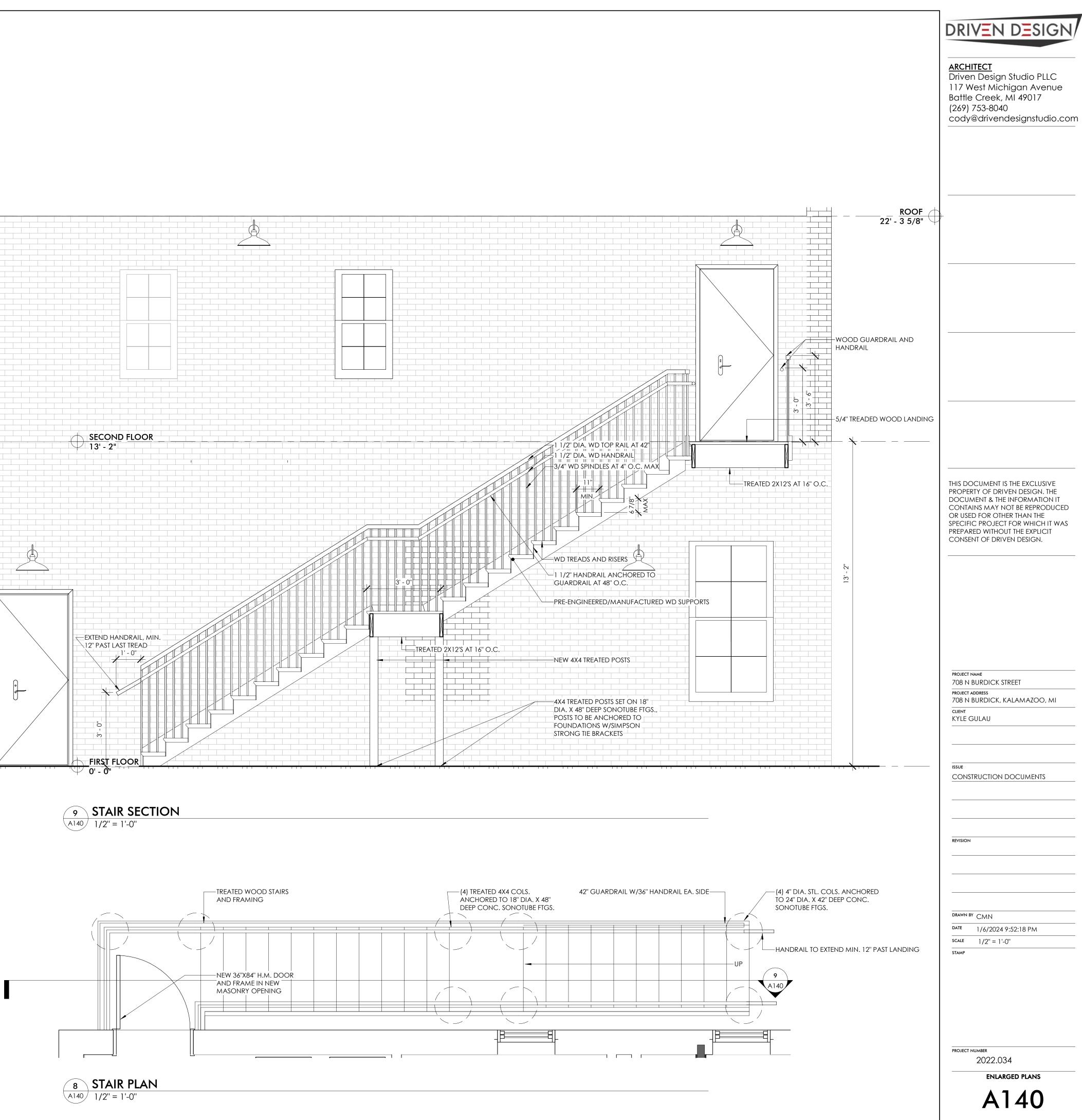
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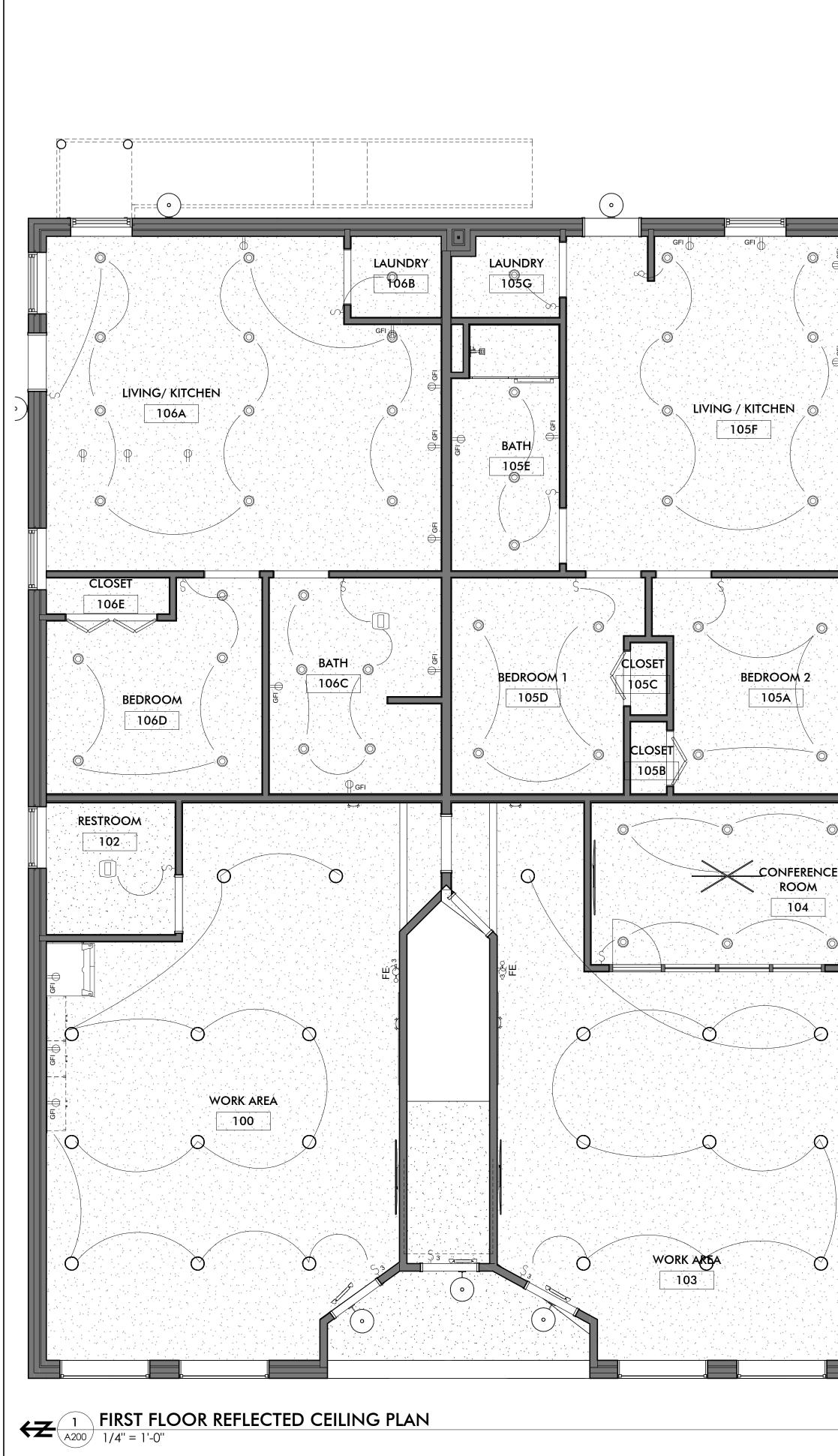


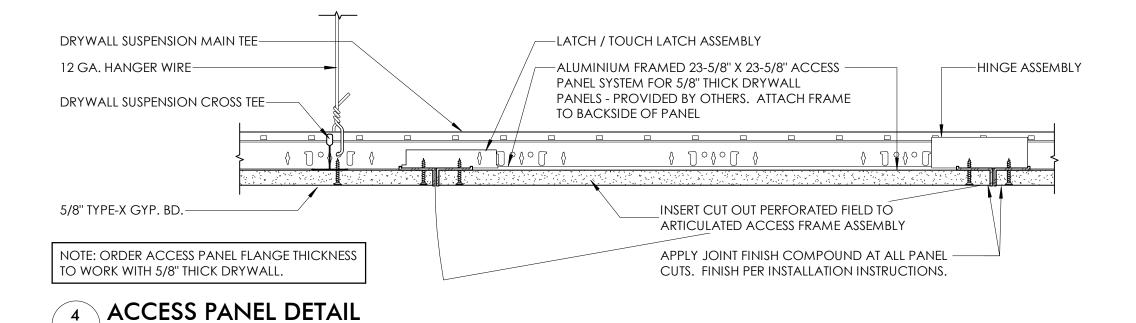




A140 1/2" = 1'-0"







A200 3" = 1'-0"

REFLECTED CEILING GENERAL NOTES

- 1. ALL LIGHT SWITCHES SHALL BE SILENT TYPE, 20 AMP, WHITE COLOR WITH WHITE COVER PLATES.
- 2. ALL NEW LIGHT FIXTURES TO BE LED. FIXTURES AND LAYOUT ARE SHOWN SCHEMATICALLY.
- 3. ALL CEILING HEIGHTS TO BE _____UNLESS NOTED OTHERWISE
- 4. IF CEILING HEIGHTS ARE NOT CALLED OUT, THEN THE CEILING IS EXISTING OR SHALL BE EXPOSED TO THE EXISTING STRUCTURE ABOVE. CONFIRM WITH ARCHITECT
- 5. COORDINATE LIGHT FIXTURE, MECHANICAL, PLUMBING, ALONG WITH ANY OTHER SYSTEMS AS REQUIRED TO NOT INTERFERE WITH ONE ANOTHER.
- 6. ALL LIGHT FIXTURES AND HVAC SHALL BE CENTERED IN ALL ROOMS, 2x2 CEILING GRIDS, CLOUDS OR BETWEEN OTHER ELEMENTS OR EQUALLY SPACED UNLESS NOTED OTHERWISE.
- ALL 2X2 CEILING GRIDS TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE. NO PANEL SHALL BE LESS THAN 4" WIDE
 SEE MEP101 FOR ADDITIONAL MECHANICAL, ELECTRICAL, AND PLUMBING NOTES.
- 9. REPLACE ANY CEILING TILES IN CEILINGS THAT ARE TO REMAIN.
- 10. ALL BULKHEAD HEIGHTS AT NON-CABINETRY LOCATIONS TO BE _____ UNLESS NOTED OTHERWISE. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL BULKHEAD HEIGHTS
- 11. REFER TO INTERIOR ELEVATIONS AND RCP FOR UNDER CABINET LIGHTING LOCATIONS.
- 12. REFER TO ROOM FINISH KEY AND SCHEDULE FOR ACP DESIGNATIONS
- 13. ALL DIMENSIONS ARE FROM CENTER LINE OF FIXTURE TO FINISHED FACE OF WALL
- 14. PATCH AND REPAIR EXISTING CEILING AS REQUIRED THAT WAS DISTURBED DURING DEMOLITION AND/OR NEW CONSTRUCTION ACTIVITIES. PATCH AND REPAIR TO MATCH EXISTING ADJACENT CONSTRUCTION, SUPPORT SYSTEM, CEILING FINISH, PATTERN AND ELEVATION.

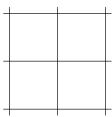
REFLECTED CEILING LEGEND



EXISTING 2X2 CEILING TILES & GRID. SEE FINISH SCHEDULE FOR TYPE

NEW 2X2 CEILING TILES & GRID. SEE

FINISH SCHEDULE FOR TYPE



GYP. BD. CEILING



EXPOSED CEILING TO STRUCTURE

LIGHT FIXTURE LEGEND

TAG/SYMBOL	MANUFACTURER & DESCRIPTION	MODEL # / URL
O	LITHONIA 6" CYLINDER CAN LIGHT	LDN6 CYLINDER SERIES; https://lithonia.acuitybrands.com/products/detail/5649 53/lithonia-lighting/ldn6-cylinder-series/led-cylinders
\bigcirc \bigcirc	LITHONIA 6'' RECESSED CAN LIGHT OR WALL WASH	LDN6; https://lithonia.acuitybrands.com/products/detail/1112 971/lithonia-lighting/contractor-select-ldn6-round-series
	BEACH LIGHTING ULTRA SLIM LED UNDERCABINET LIGHT	BEA380917; https://www.lightology.com/index.php? module=prod_detail∏_id=380917&cat_id=321
0	POWERLED SURFACE UNDERCABINET PUCK LIGHT	DL\$472984; https://www.lightology.com/index.php? module=prod_detail∏_id=472984&cat_id=136
	LITHONIA HIGH BAY LED LIGHT FIXTURE	JCBL; https://www.acuitybrands.com/products/detail/56042 6/lithonia-lighting/jcbl/led-high-bay
	BROAN EXHAUST FAN WITH LED LIGHT, 110 CFM	NUTONE FLEX SERIES; www.broan-nutone.com/en- us/product/ventilationfans/7911edntm
٥	LITHONIA EMERGENCY LIGHT	ELM6L; https://lithonia.acuitybrands.com/products/detail/80415 1/lithonia-lighting/elm6l-emergency-light/quantumr-led- adjustable-optics-1100-lumens-emergency-light
	LITHONIA EXIT-UNIT COMBO	LHQM LED; https://lithonia.acuitybrands.com/products/detail/48281 lithonia-lighting/lhqm-led/quantumr-led-exit-unit-combc
	BROWNLEE LIGHTING VANITY LIGHT	FLOW SQ; https://www.brownlee.com/product/5165LED
	LITHONIA LED FLAT PANEL 2'X2' OR 2'X4' LED FIXTURE	CPX; https://www.acuitybrands.com/products/detail/855690, ithonia-lighting/contractor-select-cpx-led-flat- panel/most-popular-and-readily-available- configurations-for-your-everyday-lighting-needs
	MARK ARCHITECTURAL LIGHTING, 4' LED RECESSED STRIP LIGHT	SLOT 4 RECESSED; https://marklighting.acuitybrands.com/products/detail/ 22734/mark-
	BIG ASS FANS FAN WITH LIGHT	HAIKU L; https://www.bigassfans.com/fans/haiku/
	BIG ASS FANS 8' DIA. FAN	l6; https://www.bigassfans.com/fans/i6/



ARCHITECT

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PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

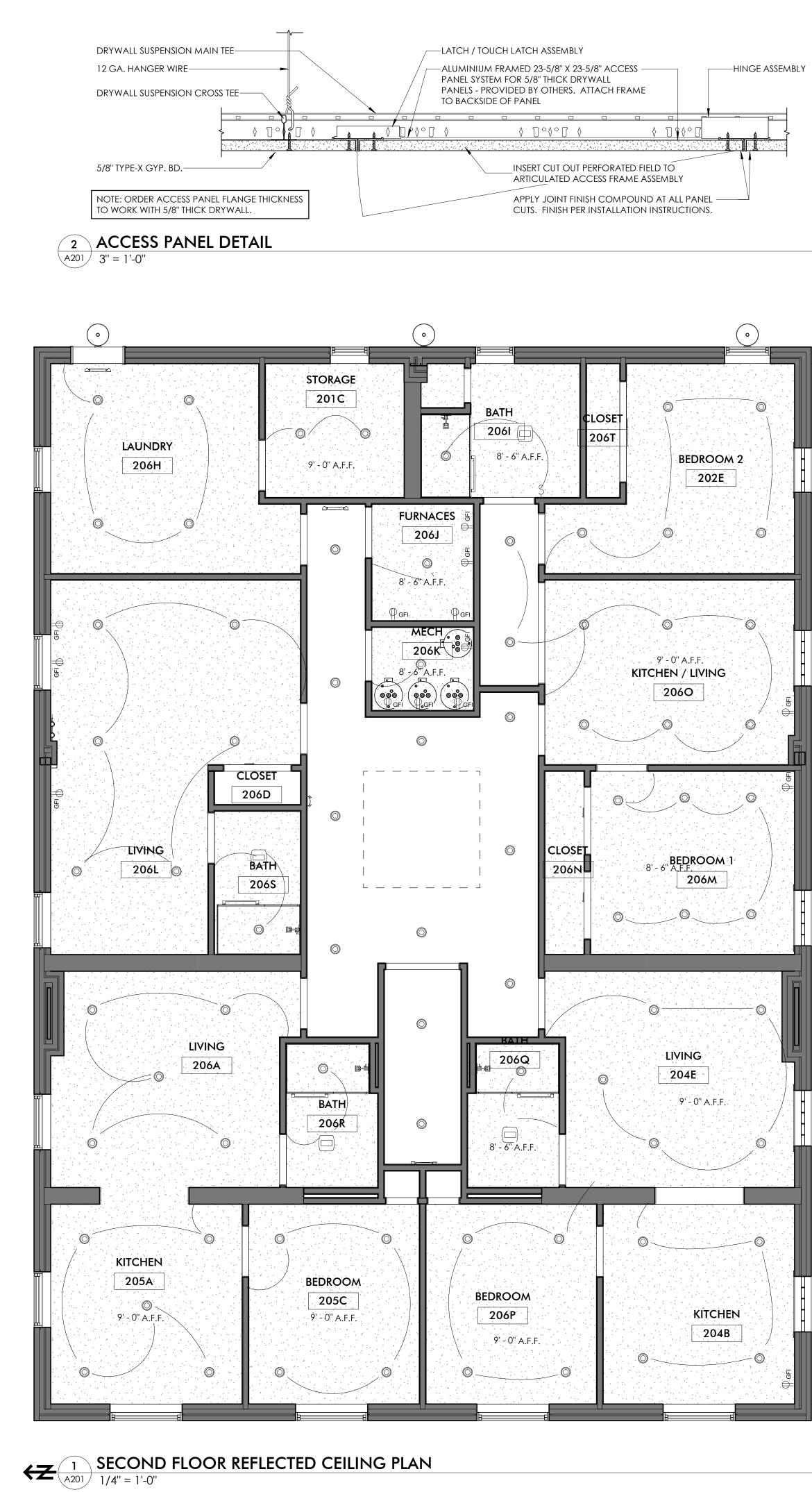
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PROJECT NUMBER 2022.034

REFLECTED CEILING PLANS



REFLECTED CEILING GENERAL NOTES

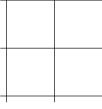
- 1. ALL LIGHT SWITCHES SHALL BE SILENT TYPE, 20 AMP, WHITE COLOR WITH WHITE COVER PLATES.
- 2. ALL NEW LIGHT FIXTURES TO BE LED. FIXTURES AND LAYOUT ARE SHOWN SCHEMATICALLY.
- 3. ALL CEILING HEIGHTS TO BE _____UNLESS NOTED OTHERWISE
- 4. IF CEILING HEIGHTS ARE NOT CALLED OUT, THEN THE CEILING IS EXISTING OR SHALL BE EXPOSED TO THE EXISTING STRUCTURE ABOVE. CONFIRM WITH ARCHITECT
- 5. COORDINATE LIGHT FIXTURE, MECHANICAL, PLUMBING, ALONG WITH ANY OTHER SYSTEMS AS REQUIRED TO NOT INTERFERE WITH ONE ANOTHER.
- 6. ALL LIGHT FIXTURES AND HVAC SHALL BE CENTERED IN ALL ROOMS, 2x2 CEILING GRIDS, CLOUDS OR BETWEEN OTHER ELEMENTS OR EQUALLY SPACED UNLESS NOTED OTHERWISE.
- 7. ALL 2X2 CEILING GRIDS TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE. NO PANEL SHALL BE LESS THAN 4" WIDE
- 8. SEE MEP101 FOR ADDITIONAL MECHANICAL, ELECTRICAL, AND PLUMBING NOTES.
- 9. REPLACE ANY CEILING TILES IN CEILINGS THAT ARE TO REMAIN.
- 10. ALL BULKHEAD HEIGHTS AT NON-CABINETRY LOCATIONS TO BE _____ UNLESS NOTED OTHERWISE. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL BULKHEAD HEIGHTS
- 11. REFER TO INTERIOR ELEVATIONS AND RCP FOR UNDER CABINET LIGHTING LOCATIONS.
- 12. REFER TO ROOM FINISH KEY AND SCHEDULE FOR ACP DESIGNATIONS
- 13. ALL DIMENSIONS ARE FROM CENTER LINE OF FIXTURE TO FINISHED FACE OF WALL
- 14. PATCH AND REPAIR EXISTING CEILING AS REQUIRED THAT WAS DISTURBED DURING DEMOLITION AND/OR NEW CONSTRUCTION ACTIVITIES. PATCH AND REPAIR TO MATCH EXISTING ADJACENT CONSTRUCTION, SUPPORT SYSTEM, CEILING FINISH, PATTERN AND ELEVATION.

REFLECTED CEILING LEGEND



EXISTING 2X2 CEILING TILES & GRID. SEE FINISH SCHEDULE FOR TYPE

NEW 2X2 CEILING TILES & GRID. SEE



GYP. BD. CEILING

FINISH SCHEDULE FOR TYPE

EXPOSED CEILING TO STRUCTURE

LIGHT FIXTURE LEGEND

TAG/SYMBOL	MANUFACTURER & DESCRIPTION	MODEL # / URL
O	LITHONIA 6'' CYLINDER CAN LIGHT	LDN6 CYLINDER SERIES; https://lithonia.acuitybrands.com/products/detail/5649 53/lithonia-lighting/ldn6-cylinder-series/led-cylinders
\bigcirc \bigcirc	LITHONIA 6'' RECESSED CAN LIGHT OR WALL WASH	LDN6; https://lithonia.acuitybrands.com/products/detail/1112 971/lithonia-lighting/contractor-select-ldn6-round-series
	BEACH LIGHTING ULTRA SLIM LED UNDERCABINET LIGHT	BEA380917; https://www.lightology.com/index.php? module=prod_detail∏_id=380917&cat_id=321
^	POWERLED SURFACE UNDERCABINET PUCK LIGHT	DL\$472984; https://www.lightology.com/index.php? module=prod_detail∏_id=472984&cat_id=136
	LITHONIA HIGH BAY LED LIGHT FIXTURE	JCBL; https://www.acuitybrands.com/products/detail/56042 6/lithonia-lighting/jcbl/led-high-bay
	BROAN EXHAUST FAN WITH LED LIGHT, 110 CFM	NUTONE FLEX SERIES; www.broan-nutone.com/en- us/product/ventilationfans/7911edntm
٥	LITHONIA EMERGENCY LIGHT	ELM6L; https://lithonia.acuitybrands.com/products/detail/80415 1/lithonia-lighting/elm6l-emergency-light/quantumr-led- adjustable-optics-1100-lumens-emergency-light
	LITHONIA EXIT-UNIT COMBO	LHQM LED; https://lithonia.acuitybrands.com/products/detail/48281 lithonia-lighting/lhqm-led/quantumr-led-exit-unit-combc
	BROWNLEE LIGHTING VANITY LIGHT	FLOW SQ; https://www.brownlee.com/product/5165LED
	LITHONIA LED FLAT PANEL 2'X2' OR 2'X4' LED FIXTURE	CPX; https://www.acuitybrands.com/products/detail/855690, ithonia-lighting/contractor-select-cpx-led-flat- panel/most-popular-and-readily-available- configurations-for-your-everyday-lighting-needs
	MARK ARCHITECTURAL LIGHTING, 4' LED RECESSED STRIP LIGHT	SLOT 4 RECESSED; https://marklighting.acuitybrands.com/products/detail/ 22734/mark-
	BIG ASS FANS FAN WITH LIGHT	HAIKU L; https://www.bigassfans.com/fans/haiku/
	BIG ASS FANS 8' DIA. FAN	l6; https://www.bigassfans.com/fans/i6/



ARCHITECT

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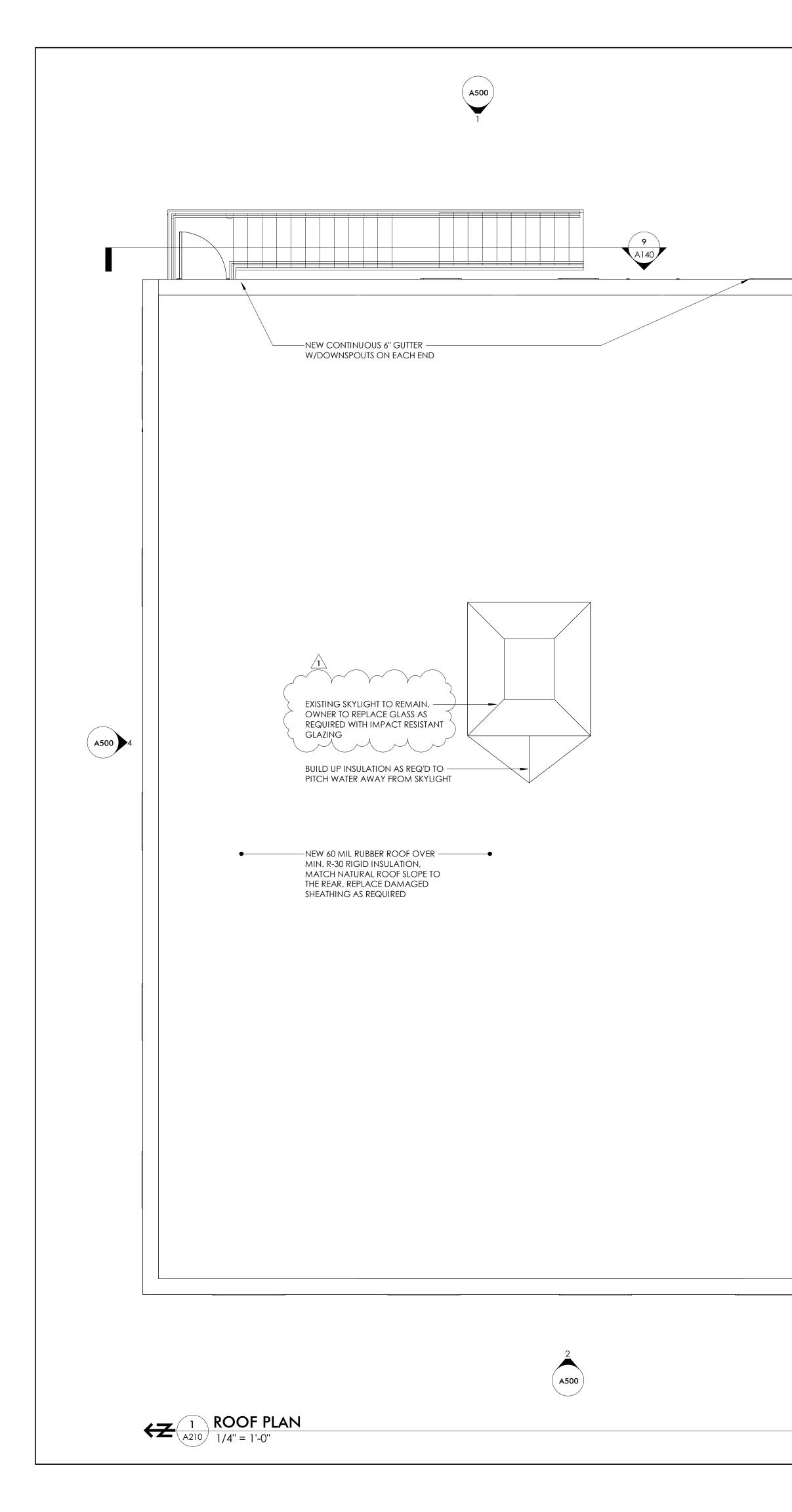
PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

ISSUE CONSTRUCTION DOCUMENTS

REVISION

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NEW RUBBER ROOF, SEE A211 FOR DETAILS



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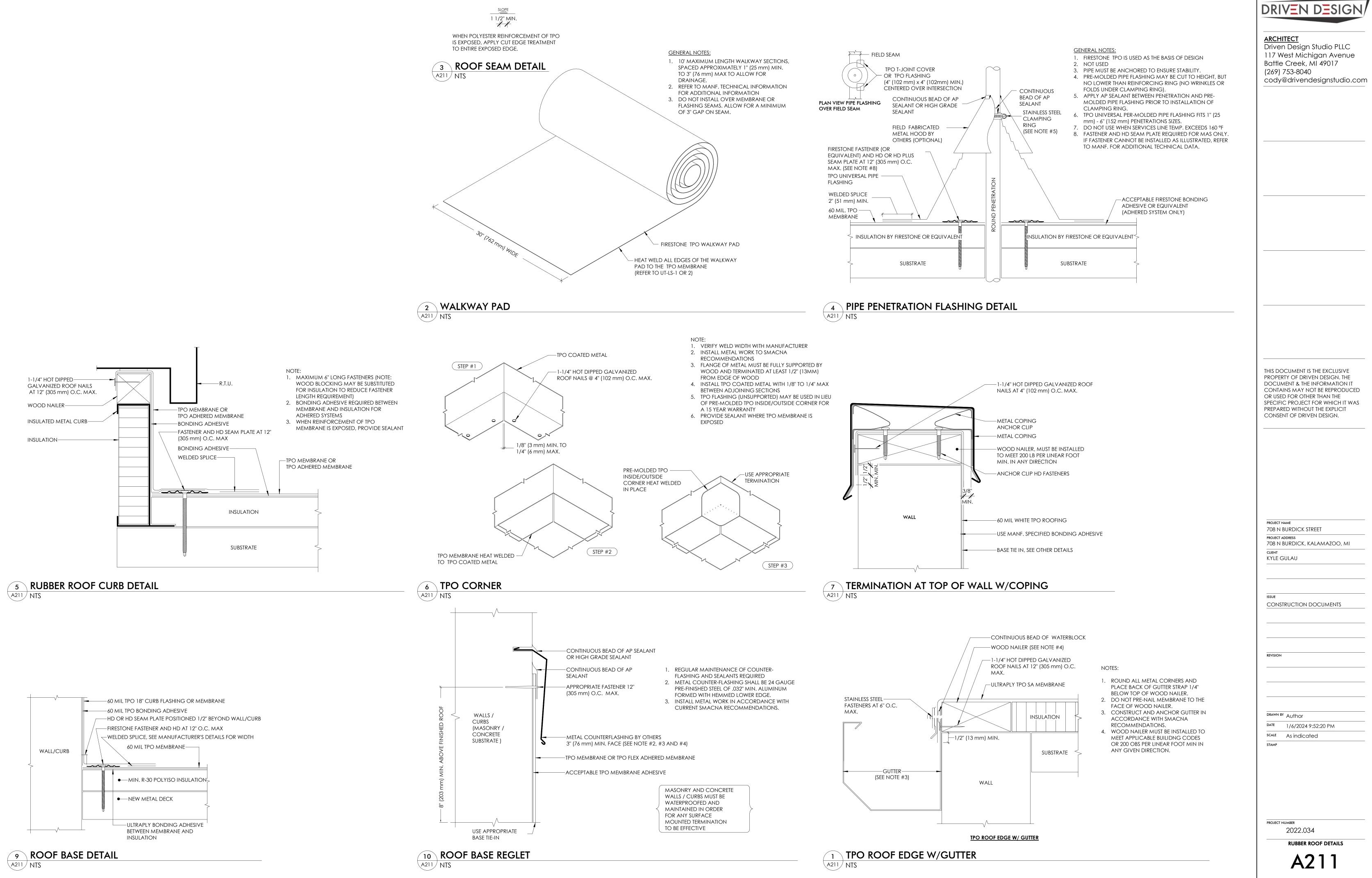
REVISION

drawn by Author DATE 1/6/2024 9:52:20 PM SCALE]/4" =]'-0" STAMP

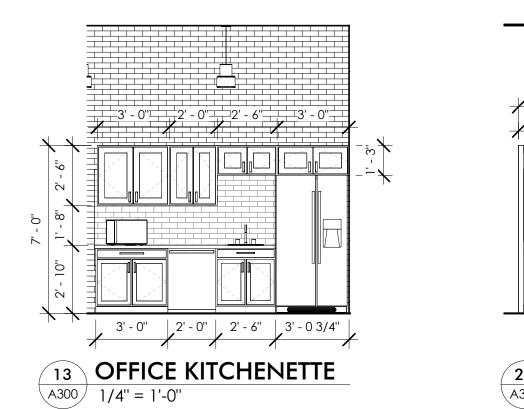
PROJECT NUMBER 2022.034

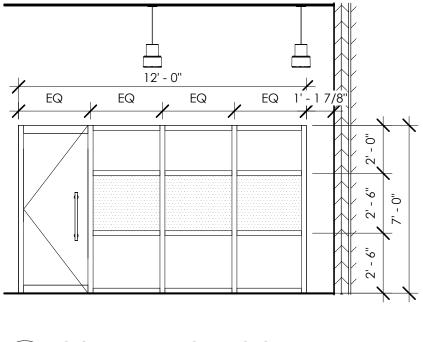


A210

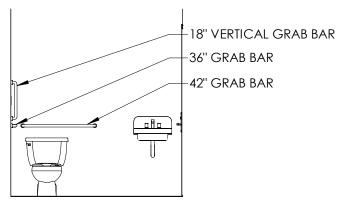








21 CONFERENCE ROOM A300 1/4" = 1'-0"



14 **OFFICE RESTROOM** A300 1/4" = 1'-0"

GENERAL NOTES

- 1. REFER TO ROOM FINISH SCHEDULE FOR BASE DESIGNATIONS
- 2. ACTUAL GROMMET LOCATIONS TO BE DETERMINED BY OWNER, SEE ROOM FINISH SCHEDULE FOR GROMMET COLORS. PROVIDE GROMMETS AT ALL KNEE SPACE LOCATIONS
- 3. PROVIDE FILLER PIECES AT CASEWORK AS REQUIRED
- 4. LAMINATE ALL VISIBLE SURFACES OF CASEWORK TYP.
- 5. DRAWERS LABELED "FILES" ARE TO HAVE STEEL RAILS FOR HANGING FILES, (2) PER DRAWER. FILES SHOULD HANG PERPENDICULAR TO DRAWER FACE IF LESS THAN 15" WIDE AND PARALLEL TO DRAWER IF GREATER THAN 15" WIDE
- 6. ALL UPPER CABINETS TO BE 15" DEEP UNLESS NOTED OTHERWISE
- 7. PROVIDE INSULATED PIPE WRAP ON ALL EXPOSED PIPING.
- 8. SEE SHEET TOO2 FOR ACCESSORY MOUNTING HEIGHTS UNLESS SHOWN OTHERWISE
- 9. REFER TO ENLARGED PLANS FOR ADDITIONAL DIMENSIONS
- 10. WHERE A SPECIFIED BRACKET IS NOT INDICATED PROVIDE METAL BRACKETS AS REQUIRED TO SUPPORT COUNTERS AND SHELVES. BRACKETS SHOULD BE LOCATED AT ANY UNSUPPORTED LENGTH GREATER THAN 36". PAINT BRACKETS TO MATCH ADJACENT WALL
- 11. PROVIDE BLOCKING IN WALLS WHERE NECESSARY. THESE LOCATIONS CONSIST OF, BUT ARE NOT LIMITED TO THE FOLLOWING: TOILET ACCESSORIES, TACKBOARDS, HANDRAILS, WALL MOUNTED EQUIPMENT AND OWNER DESIGNATED EQUIPMENT LOCATIONS.
- 12. ALL EXPOSED EXTERIOR SURFACES OF CASEWORK TO BE FINISHED TO MATCH THE CASEWORK
- 13. PAINT GRILLES AND DIFFUSERS TO MATCH ADJACENT WALL
- 14. COORDINATE ALL CABINETRY SIZES WITH APPLIANCES

15. ALL DIMENSIONS ARE FROM FINISHED FACE TO FINISHED FACE UNLESS INDICATED OTHERWISE

DRIVEN DESIGN

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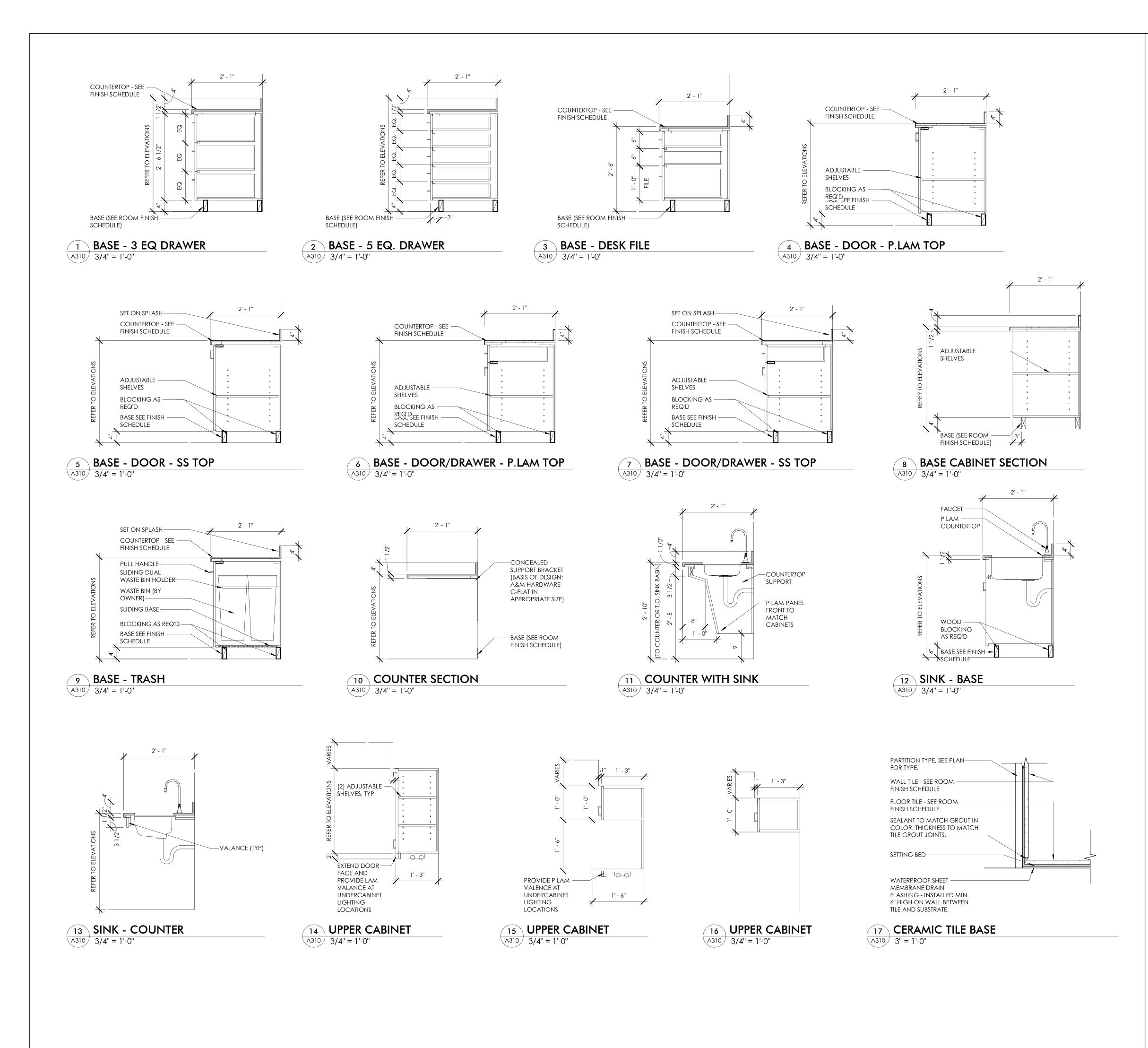
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- 1. ALL BASE CABINET DEPTHS TO BE 2'-0" (WALL TO OUTSIDE DOOR FACE) UNLESS NOTED OTHERWISE.
- 2. ALL WALL CABINET DEPTHS TO BE 1'-3" (WALL TO DOOR FACE) UNLESS NOTED OTHERWISE
- 3. ALL COUNTERTOP DEPTHS TO BE 2'-1" UNLESS NOTED OTHERWISE. COUNTERS TO EXTEND 1" BEYOND OPEN END EDGE OF MILLWORK UNLESS NOTED OTHERWISE
- 4. REFER TO INTERIOR ELEVATIONS FOR DIMENSIONS OF ALL CABINETRY
- 5. REFER TO FINISH SCHEDULES FOR MILLWORK FINISH
- 6. REFER TO FINISH SCHEDULES FOR COUNTERTOP MATERIAL AND FINISH
- 7. ALL BASE CABINETS TO HAVE A SINGLE SHELF UNLESS NOTED OTHERWISE
- 8. ALL WALL/VALANCE CABINETS LESS THAN 2'-0" IN HEIGHT TO HAVE A SINGLE SHELF, AND GREATER THAN 2'-0" IN HEIGHT TO HAVE TWO SHELVES, UNLESS NOTED OTHERWISE
- 9. ALL SHELVES TO BE ADJUSTABLE UNLESS NOTED OTHERWISE
- 10. REFER TO INTERIOR ELEVATION FOR INDICATION OF LOCKABLE CABINETS
- 11. REFER TO INTERIOR ELEVATIONS FOR DOOR SWINGS
- 12. ALL WALL CABINETS TO BE MOUNTED 7'-6" AFF TO TOP OF CABINET UNLESS NOTED OTHERWISE
- 13. DOOR HANDLE PULLS ARE SHOWN FOR GRAPHICAL REFERENCE ONLY. REFER TO ROOM FINISH SCHEDULE
- 14. ALL BASE DRAWERS/ APRONS ARE 6" UNLESS NOTED OTHERWISE
- 15. ALL SPLASHES ARE 4" UNLESS NOTED OTHERWISE
- 16. ALL EXPOSED EXTERIOR SURFACES OF CASEWORK TO BE FINISHED TO MATCH THE CASEWORK

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CONSTRUCTION DOCUMENTS

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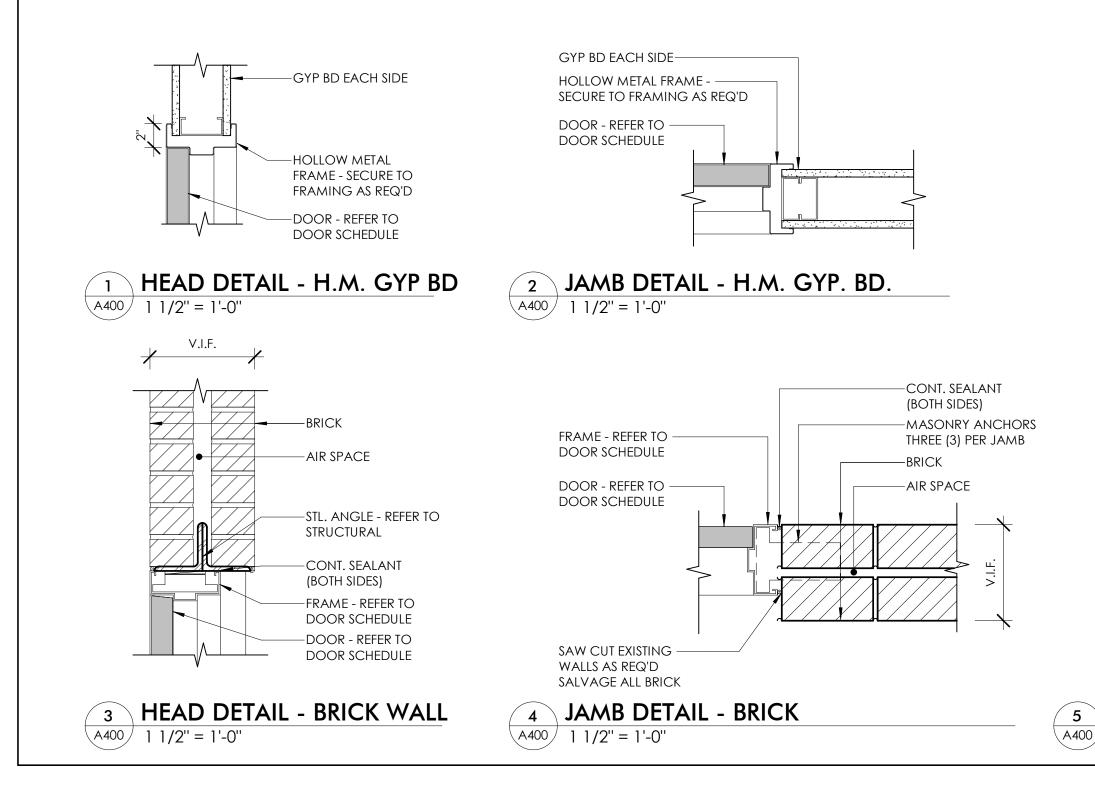
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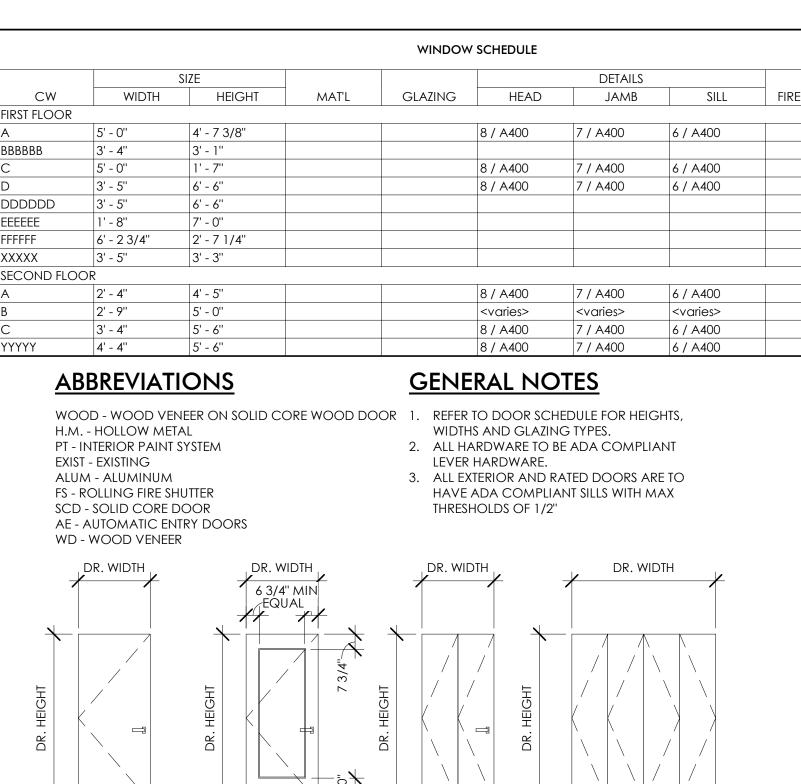
PROJECT NUMBER 2022.034

INTERIOR DETAILS



							DOOR SCI	HEDULE						
					[DOOR					DOOR FRAME			
DOOR	NEW OR	DOOR			SIZE			-				DETAILS		-
NUMBER	EXIST	TYPE	FIRE RATING	WIDTH	HEIGHT	THICKNESS	DOOR MAT'L	DOOR FINISH	TYPE	FRAME MAT'L	HEAD	JAMB	SILL	COMMENTS
BASEMENT	1				1	I	I.					-	I	
228		F	3	3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD				
229		F	3	3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD				
FIRST FLOOR														
100	EXISTING	FG	3	3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.				
101	EXISTING		3	3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.				
102	EXISTING	FG	3	3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.				
103	NEW	AG		2' - 8 1/4''	7' - 0''	1/2"	ALUM		1	ALUM	1/A400	2/A400		
104	EXISTING	F		2' - 10''	7' - 10''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.				
105	NEW	F	3	3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.	1/A400	2/A400		
106	NEW	F	3	3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.	1/A400	2/A400		
107	NEW	BF	Ľ	5' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD	1/A400	2/A400		
108	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD	1/A400	2/A400		
109	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
110	NEW	F		3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED		H.M.	4/A400	5/A400		
111	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
112	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
113	NEW	F		3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED		H.M.	4/A400	5/A400		
114	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
115	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
116	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
117	NEW	BF		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
118	NEW	BF		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
SECOND FLOO		ы		5 - 0	7 - 0	1 3/4	NOOD		1	WOOD	177400	2//(400		
200	NEW	F		3' - 0''	7' - 0''	1 3/4"	H.M.	FACTORY FINISHED	1	H.M.	4/A400	5/A400	3/A400	
201	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400	0,7 (100	
202	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
203	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
204	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
204	NEW	SL		4' - 0''	7' - 0''	1 3/4"	WOOD	TACIORTHINISTED	1	WOOD	177400	277400		
206	NEW	5L E		4 - 0 3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD	1/A400	2/A400		
	NEW			3' - 0''	7' - 0''					WOOD	-	-		
207 208	NEW			3 - 0 3' - 0''	7 - 0	1 3/4"	WOOD WOOD	FACTORY FINISHED		WOOD	1/A400 1/A400	2/A400 2/A400		
208	NEW	F		3 - 0 3' - 0''	7 - 0	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400 2/A400		
209 210	NEW			5 - 0 1' - 10''	7 - 0	1 3/4"	WOOD	FACTORY FINISHED		WOOD	177400	2/7400		
				1 - 10 1' - 10''										
211	NEW	r c			7' - 0''	1 3/4"	WOOD			WOOD	1/4400	2/4400		
212	NEW			3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
213	NEW			3' - 0''	7' - 0''	1 3/4"	WOOD			WOOD	1/A400	2/A400		
214	NEW	Г		3' - 0'' 4' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD	1/A400	2/A400		
215	NEW	SL		4' - 0'' 4' - 0''	7' - 0''	1 3/4"	WOOD		1	WOOD	1/A400	2/A400		
216	NEW	SL		4' - 0''	7' - 0''	1 3/4"	WOOD		1	WOOD	1/A400	2/A400		
217	NEW			3' - 0''	7' - 0''	1 3/4"	WOOD			WOOD	1/A400	2/A400		
218	NEW			3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
220	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
221	NEW	F		3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED]	WOOD	1/A400	2/A400		
222	NEW	SL		6' - 0''	7' - 0''	1 3/4"	WOOD		1	WOOD	1/A400	2/A400		
223	NEW	F		2' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED		WOOD	1/A400	2/A400		
224		F	3	3' - 0''	7' - 0''	1 3/4"	WOOD	FACTORY FINISHED	1	WOOD				





BF (BIFOLD)

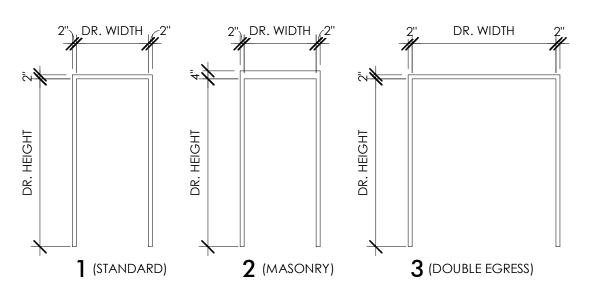
DBF (double bifold)

DOOR TYPES

두 (FLUSH)

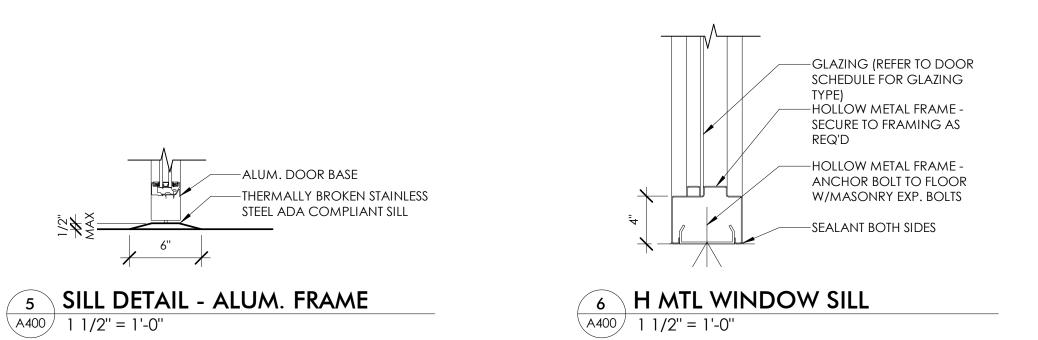
NOTE: REFER TO DOOR SCHEDULE FOR HEIGHTS / WIDTHS AND GLAZING TYPE

 FG (full glass)



FRAME TYPES

NOTE: REFER TO DOOR SCHEDULE FOR HEAD, JAMB, AND SILL DETAILS



HOLLOW METAL FRAME, SECURE TO FRAMING AS req'd

1/4" GLASS-

GYP BD PARTITION-

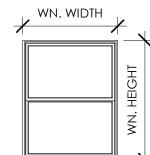
7 H MTL WINDOW JAMB - GYP A400 1 1/2" = 1'-0"

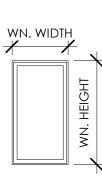
E RATING	COMMENTS



ARCHITECT

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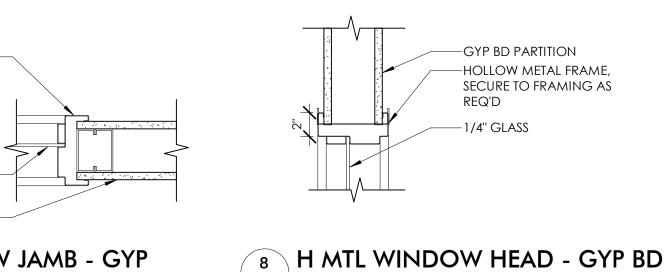


(DOUBLE HUNG)

WINDOW TYPES

NOTE: REFER TO WINDOW SCHEDULE FOR HEIGHTS / WIDTHS AND GLAZING TYPE

 $\mathbf{2}$ (fixed)



A400 1 1/2" = 1'-0"



PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI

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CLIENT KYLE GULAU

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PROJECT NUMBER 2022.034

DOOR & WINDOW SCHEDULE AND DETAILS



ROOF REPAIRS/REPLACEMENT: REMOVE AND REPLACE EXISTING ROOFING. INSPECT THE SHEATHING AND REPLACE AS REQUIRED. PROVIDE NEW MINIMUM R-30 RIGID INSULATION. PUT A NEW WHITE 60 MIL TPO ROOF OVER THE TOP OF THE INSULATION. SEE THE ROOF PLAN AND DETAILS FOR MORE INFORMATION.

- BRICK CLEANING SPECIFICATIONS: ALL BRICK WILL BE CLEANED UTILIZING A PREWASH, ACID CLEANING WITH PROSOCO HEAVY DUTY RESTORATION CLEANER OR APPROVED EQUAL, FOLLOWED WITH A SECOND POWER WASHING. POWER WASHING STANDARDS AS DESCRIBED IN THE SANDSTONE REPAIRS WILL BE UTILIZED.
- REPOINTING: ALL MORTAR JOINTS THAT HAVE ERODED GREATER THAN 1/4" PAST THEIR ORIGINAL FACE SHALL REQUIRE REPOINTING. ALL MORTAR JOINTS WITH MINOR HOLES OR VOIDS THAT CAN BE PENETRATED WITH A 1/16" DIAMETER WIRE GREATER THAN ONE HALF OF THE BLOCK THICKNESS SHALL BE REPOINTED. THE FOLLOWING 16 STEPS TO PROPER RE-POINTING SHALL BE FOLLOWED:
- 1. MORTAR MATCHING SHALL BE ACHIEVED VIA MATCHING PRE-MADE BISCUITS, FOLLOWED BY AN ONSITE MATCH TO BE VERIFIED BY THE OWNERS REPRESENTATIVE PRIOR TO REPOINTING.
- 2. MIX DESIGN SHALL BE A LIME PUTTY-BASED TYPE K MORTAR WITH MATCHING AGGREGATE TO ACHIEVE NATIONAL PARK STANDARDS OF PROPER BOND AND SAME OR LOWER COMPRESSIVE STRENGTH AS THE MATCHING MORTAR AT 365 DAYS.
- 3. REMOVE DETERIORATED MORTAR (A MINIMUM DEPTH OF TWO TIMES THE WIDTH OF MORTAR JOINT). ALL PROCEDURES WILL FOLLOW THE CURRENT OSHA STANDARD FOR SILICA DUST CONTROL WHEN PERFORMING THIS WORK.
- 4. BRUSH, VACUUM, OR WATER FLUSH TO REMOVE DEBRIS IN THE JOINT.
- 5. THROUGH CLOSE EXAMINATION DETERMINE THE EXTENT OF DETERIORATION IN THE JOINT AND SURROUNDING AREA.
- 6. REWORK THE JOINT, AS NECESSARY.
- 7. AIR BLAST TO REMOVE DEBRIS IN THE JOINT.
- 8. WATER-SOAK THE BLOCK (TO SATISFY THE POROSITY OR THIRST OF THE BRICK).
- 9. PRE-WET TO REDUCE THE AMOUNT OF INITIAL DEHYDRATION OF THE MORTAR THAT IS ABOUT TO BE REPLACED.
- 10. DELIVER MORTAR TO THE PREPARED JOINT. SEVERAL LAYERS MAY BE REQUIRED TO FILL THE JOINT FLUSH WITH THE OUTER SURFACE OF THE MASONRY.
- 11. STRIKE BACK (TOOLING THE JOINT TO MATCH THE EXISTING HISTORIC JOINT).
- 12. CUT BACK THE JOINT TO RECESS THE FINAL MORTAR SLIGHTLY FROM THE FACE OF THE MASONRY.
- 13. WAIT FOR THE MORTAR TO SET UNTIL IT IS READY TO BE COMPACTED.
- 14. DRY BRUSH COMPACT THE JOINTS TO ALLOW FOR FURTHER DEVELOPMENT OF A BOND BETWEEN OLD MORTAR AND BLOCK.
- 15. PRE-WET TO SATURATE THE BRICK IN PREPARATION FOR THE LAST STEP.
- 16. WEATHERING WASH TO MATCH THE OLD AND NEW MASONRY.



ARCHITECT

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PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

ISSUE CONSTRUCTION DOCUMENTS

REVISION

drawn by CMN DATE 1/6/2024 9:52:24 PM scale As indicated STAMP

EXTERIOR ELEVATION SYMBOL LEGEND

CMU

BRICK

STONE

METAL ROOFING ASPHLT ROOFING

KNOT WOOD

PROJECT NUMBER 2022.034



SIDING / METAL SIDING

MECHANICAL SPECIFICATIONS AND GENERAL REQUIREMENTS

- IT IS UNDERSTOOD AND AGREED BY THE INSTALLER THAT WORK HEREIN DESCRIBED SHALL BE COMPLETE IN EVERY DETAIL, EVEN THOUGH EVERY ITEM INVOLVED IS NOT PARTICULARLY MENTIONED. INSTALLER SHALL BE HELD TO PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR THE WORK INTENDED AND DESCRIBED FOR A COMPLETE AND OPERATIONAL SYSTEM. SUCH MATERIALS SHALL INCLUDE PIPING, VALVES, TRAPS, GAUGES, CONTROLS, ETC. THIS ALSO INCLUDES EQUIPMENT REQUIRED BY STATE AND LOCAL CODES.
- 2. ALL WORK AND EQUIPMENT PROVIDED AND PERFORMED ON THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, ETC OF ANY AND ALL AUTHORITIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO: MICHIGAN MECHANICAL CODE 2015, MICHIGAN PLUMBING CODE 2015, MICHIGAN BUILDING CODE 2015, MICHIGAN UNIFORM ENERGY CODE (ASHRAE 90.1-2013). THE LOCAL FIRE MARSHAL, UNDERWRITERS LABORATORIES, IRI, FM, NATIONAL ELECTRICAL CODE, LOCAL HEALTH DEPARTMENT, OSHA, MIOSHA. ANY MODIFICATIONS REQUIRED BY ANY OF THE ABOVE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. WHERE THE CONTRACT DOCUMENTS EXCEED THE CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL BE FOLLOWED. DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BEFORE INSTALLATION.
- 3. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- JOBSITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE ON SITE A QUALIFIED FOREMAN OVERSEEING ALL ASPECTS OF THE CONSTRUCTION. THE ARCHITECT AND ENGINEER ARE NOT RESPONSIBLE FOR JOBSITE SAFETY.
 ANY HOISTS, LIFTS, OR SPECIAL EQUIPMENT REQUIRED TO SAFELY COMPLETE THE PROJECT SHALL BE PROVIDED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED
- ON THE DRAWINGS.
 THE BID SHALL INCLUDE ALL LABOR AND MATERIALS ESSENTIAL TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM AS DESCRIBED IN THE CONTRACT DOCUMENTS, EVEN THOUGH EVERY ITEM INVOLVED IS NOT PARTICULARLY MENTIONED. SUCH MATERIALS SHALL INCLUDE PIPING, VALVES, TRAPS, GAUGES, CONTROLS, ETC. THIS ALSO INCLUDES EQUIPMENT REQUIRED BY STATE AND LOCAL CODES. IN CASES OF DOUBT AS TO WORK INTENDED THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY INFORMATION AT LEAST FIVE(5) DAYS PRIOR TO BIDDING. ONCE CONTRACT IS AWARDED ANY DISPUTES AS TO THE INTENT OF THE
- DESIGN SHALL BE RESOLVED AS DIRECTED BY THE ENGINEER AND NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL EQUIPMENT AND MATERIALS WITH ALL OTHER TRADES.
 CONTRACTOR SHALL NOT PROCEED WITH ANY WORK FOR WHICH ADDITIONAL COMPENSATION IS EXPECTED WITHOUT A WRITTEN CHANGE-ORDER SIGNED BY THE ENGINEER. ADDITIONAL COMPENSATION WILL NOT BE GIVEN WITHOUT A SIGNED, WRITTEN, CHANGE-ORDER. CHANGE-ORDER FORMS MAY BE REQUESTED FROM THE ENGINEER OR CONTRACTOR MAY USE THEIR OWN FORM. CHANGE-ORDER MUST INCLUDE DESCRIPTION OF CHANGE, REASON FOR CHANGE, AND COST BREAKDOWN SHOWING ITEMIZED MATERIAL COSTS, LABOR TIME AND RATE AND SEPARATELY LISTED OH&P. OH&P FOR CHANGE ORDERS SHALL NOT EXCEED 10%.
 A SET OF AS-BUILT DOCUMENTS SHALL BE KEPT ON THE JOB SITE, ACCESSIBLE TO ALL TRADES. CONTRACTOR SHALL MAINT THE AS-BUILT DRAWINGS TO ADDITIONAL DESCRIPTION OF CHANGE AND THE JOB SITE, ACCESSIBLE TO ALL TRADES. CONTRACTOR WALL MAINT THE AS-BUILT DRAWINGS DESCRIPTION OF CHANGE ADDITIONAL CONTRACTOR MAY DESCRIPTION OF CHANGE ORDERS SHALL AND TRADES ADDITION.
- INDICATING ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL MAINTAIN COMMUNICATION WITH ALL OTHER TRADES AND REVIEW AS-BUILT DOCUMENTS OF ALL TRADES ON A REGULAR BASIS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES DURING CONSTRUCTION AND FOR NOTIFYING THE ENGINEER OF ANY CHANGES THAT WILL NEED TO BE MADE AS SOON AS THEY ARE IDENTIFIED. 10. ALL PRODUCTS AND MATERIALS USED SHALL BE NEW AND "BEST OF ITS KIND." PRODUCTS AND MATERIALS SHALL BE PROTECTED FROM CONSTRUCTION AND WEATURE DAMAGE. CONTRACTOR SHALL BE NEW AND "BEST OF ITS KIND." PRODUCTS AND MATERIALS SHALL BE PROTECTED FROM CONSTRUCTION AND
- WEATHER DAMAGE. CONTRACTOR SHALL NOT INSTALL ANY COMPONENT THAT IS DAMAGED, DIRTY, OR SHOWS ANY SIGNS OF CORROSION. 11. THE CONTRACTOR IS RESPONSIBLE, AT HIS OWN COST, FOR WAREHOUSING OF MATERIAL AND EQUIPMENT TO BE INSTALLED ON THIS PROJECT. COORDINATE WITH THE BUILDING OWNER AND/OR GENERAL CONTRACTOR FOR SPACE AVAILABLE ON THE JOB SITE FOR MATERIAL STORAGE.
- 12. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE ITEMS LISTED BELOW WITHIN 2 WEEKS OF AWARD OF CONTRACT AND A MINIMUM OF 2 WEEKS PRIOR TO INSTALLATION. CONTRACTOR SHALL NOT ORDER EQUIPMENT UNTIL SHOP DRAWINGS HAVE BEEN PROCESSED BY THE ENGINEER. SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR AND GENERAL CONTRACTOR PRIOR TO BEING SUBMITTED TO THE ENGINEER. INCLUSION IN SHOP DRAWINGS DOES NOT AUTHORIZE A DEVIATION FROM THE REQUIREMENTS OF THE SPECIFICATIONS. ALL SHOP DRAWINGS SHALL HAVE LISTED ON THE COVER SHEET ANY AND ALL PRODUCTS OR MATERIALS THAT DEVIATE FROM SPECIFICATIONS. DETERMINATION OF "EQUAL" SHALL BE MADE BY ENGINEER. AT A MINIMUM SHOP DRAWINGS SHALL BE SUBMITTED FOR: ALL AIR HANDLING EQUIPMENT, DUCT SEALANTS, MOTORIZED DAMPERS, GRILLES / LOUVERS / DIFFUSERS.
- 13. AT PROJECT COMPLETION PROVIDE TO THE BUILDING OWNER THREE(3) BOUND SETS TO INCLUDE ALL O&M MANUALS FOR EQUIPMENT INSTALLED, BALANCE REPORTS AND COPIES OF ALL MANUFACTURER WARRANTIES. CONTRACTOR SHALL COMPLETE ANY WARRANTY REGISTRATION CARDS NECESSARY FOR MANUFACTURER WARRANTIES.
- CONTRACTOR SHALL PROVIDE A ONE (1) YEAR WARRANTY FOR ALL WORK PERFORMED. THIS INSTALLERS WARRANTY SHALL COVER ALL MATERIAL AND EQUIPMENT NOT COVERED BY A MANUFACTURER WARRANTY AND ALL LABOR. THIS WARRANTY SHALL ALSO COVER INSTALLER ERROR OR DAMAGE.
 ALL WORK ON THIS PROJECT SHALL BE EXECUTED IN A GOOD, WORKMAN LIKE MANNER USING MECHANICS SKILLED IN THEIR RESPECTIVE TRADES. NO ALLOWANCE WILL BE GIVEN FOR POOR WORKMANSHIP. ANY INSTALLATION THAT IS OF INSUFFICIENT QUALITY SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE
- OWNER. 16. WORK SITE IS TO BE LEFT IN A NEAT AND ORDERLY CONDITION AT THE END OF EACH WORK SHIFT.
- 17. CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY OWNER FURNISHED EQUIPMENT. CONTRACTOR SHALL RECEIVE ANY OWNER FURNISHED ITEMS WHEN DELIVERED TO THE JOB SITE AND SHALL BE RESPONSIBLE FOR THE ITEMS ONCE RECEIVED.
- CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SLAB-TO-SLAB PARTITIONS, FIRE RATED PARTITIONS AND FIRE RATED FLOORS. ALL
 PENETRATION OF SLAB-TO-SLAB PARTITIONS SHALL BE SEALED AIR TIGHT. ALL PENETRATIONS OF FIRE RATED PARTITIONS OR FLOORS SHALL BE PROVIDED WITH A FIRE
 RATED DAMPER AND ACCESS DOOR. DAMPER SHALL HAVE A RATING APPROPRIATE FOR THE ASSEMBLY PENETRATED.
 REFERENCE DATED ASSEMBLY STATES SHALL BE SEALED USING CODE APPROVED LABORATORY TESTED AND LABELED SEAL AND S FOR A FIRE RESISTANCE RATING.
- PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED USING CODE APPROVED, LABORATORY TESTED AND LABELED SEALANTS FOR A FIRE RESISTANCE RATING EQUAL TO OR GREATER THAN THE ASSEMBLY PENETRATED.
 CONTRACTOR SHALL VERIFY LOCATION OF CEILING MOUNTED DIFFUSERS AND GRILLES WITH ARCHITECTURAL CEILING PLAN PRIOR TO INSTALLATION.
- ALL DUCT SIZES SHOWN ON THE DRAWINGS ARE TO ESTABLISH TOTAL DUCT AREA REQUIRED. IF DUCT SIZES NEED TO BE CHANGED OR DUCTS BE REROUTED TO INSTALL THE DUCTS THROUGH JOISTS, ABOVE CEILINGS, BELOW STEEL, ETC., CHANGES SHALL BE DONE AT NO EXTRA COST TO THE OWNER. THE CONTRACTOR SHALL CHECK WITH THE ARCHITECT/ENGINEER BEFORE CHANGING ANY SIZES.
- 22. NEW DUCTWORK, PIPING, AND CONDUIT SHALL BE INSTALLED AS HIGH AS POSSIBLE. CONTRACTOR SHALL COORDINATE DUCTWORK, PIPING AND CONDUITS WITH LIGHTING FIXTURES, CEILING CONSTRUCTION, STRUCTURE AIR DISTRIBUTION EQUIPMENT, ETC., AND SHALL BE OFF-SET AS REQUIRED.
- 23. ALL NEW RECTANGULAR DUCTWORK SHALL BE 1" W.G. CONSTRUCTION OF LOCK FORMING GALVANIZED STEEL IN ACCORDANCE WITH FIGURES 3-1 THRU 3-56 AND TABLE 3-2 OF THE SMACNA GUIDELINES ("DUCT MANUAL AND SHEET METAL CONSTRUCTION FOR VENTILATION AND AIR CONDITIONING SYSTEMS" MOST RECENT EDITION.) SNAP LOCK LONGITUDINAL SEAMS AND DRAWBAND JOINT CONNECTIONS ARE NOT ACCEPTABLE. (LOW PRESSURE ROUND RUN-OUT DUCTS MAY BE SNAP LOCK LONGITUDINAL SEAM WITH SCREW/RIVET JOINT CONNECTIONS).
- DUCTWORK SHALL BE HUNG AS HIGH AS POSSIBLE FROM BUILDING STRUCTURE. CONDUITS, PIPES, CEILINGS OR ANY OTHER ITEMS SHALL NOT BE HUNG FROM DUCTWORK. PROVIDE ALL FITTINGS ELBOWS, DAMPERS, OFF-SETS, ETC. FOR COMPLETE DUCTWORK INSTALLATION. ALL ELBOWS SHALL BE GORED RADIUS ELBOWS (PLEATED NOT ALLOWED) UNLESS SQUARE ELBOWS ARE SHOWN ON PLANS. ALL SQUARE ELBOWS SHALL HAVE TURNING VANES.
 VOLUME DAMPERS SHALL BE INSTALLED AS SHOWN ON PLANS, AND AT ALL BRANCH TAKE-OFFS.
- 26. ALL DUCTWORK SHALL BE SEALED USING IRON GRIP (NO SUBSTITUTIONS) AND SHALL MEET THE MICHIGAN UNIFORM ENERGY CODE (ASHRAE 90.1-2007) DUCT SEAL LEVEL "A" (TABLE 6.4.4.2A). SEAL LEVEL "A" SHALL BE USED FOR ALL DUCT TYPES AND PRESSURE CLASSES.
- 27. ALL DUCTWORK SHALL BE INSULATED PER ASHRAE 90.1-2013 TABLE 6.8.2B. FOR CONCEALED DUCTWORK, AT A MINIMUM PROVIDE 1½" THICK FLEXIBLE FIBERGLASS
 BLANKET WITH FIRE/SMOKE SPREAD RATING OF 25/50 OR BETTER, SECURED TO DUCTWORK WITH BENJAMIN FOSTER NO. 85 20 ADHESIVE AND PUSH PINS EVERY 12"
 ON-CENTER. FOR DUCTWORK IN MECHANICAL ROOMS USE RIGID, FOIL-FACED, FIBERGLASS INSULATION, 1" THICK, 2LB. EXTERIOR DUCTWORK SHALL BE INSULATED AND HAVE A PVC WRAP.
- USE PVC COATED GALVANIZED STEEL FOR UNDERGROUND DUCTS AND INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. REPAIR DAMAGE TO PVC COATINGS WITH MANUFACTURER'S RECOMMENDED MATERIALS. DUCTS IN CONCRETE SLABS SHALL BE ROUND AND ENCASED IN AT LEAST 2" OF CONCRETE. USE A VIBRATOR TO FILL VOIDS IN CONCRETE. SLOPE ALL UNDERGROUND DUCT BACK TOWARD UNIT. PROVIDE DUCT ACCESS DOOR.
- 29. FLEXIBLE DUCT CONNECTIONS SHALL BE MADE BY APPLYING DUCT SEALER TO INSIDE OF FLEXIBLE DUCT AND OUTSIDE OF HARD DUCT COLLAR. ADHESIVE SHALL BE CHEMICALLY COMPATIBLE WITH MATERIALS IN CONTACT WITH IT. THE ENDS OF DUCTS SHALL BE TRIMMED SQUARELY PRIOR TO INSTALLATION. COLLARS AND SLEEVES SHALL BE INSERTED INTO FLEXIBLE DUCT A MINIMUM OF 1" BEFORE FASTENING. SLIDE FLEX DUCT OVER COLLAR AND TAPE WITH THREE WRAPS OF DUCT TAPE AROUND JOINT AND SEAL WITH STAINLESS STEEL CLAMPS OVER OUTSIDE OF TAPE.
- A. HIGH PRESSURE: INSTALL AT INLET CONNECTIONS OF TERMINAL UNITS. MAXIMUM DEVELOPED LENGTH OF FLEX DUCT SHALL BE 3'-0". USE METAL DUCTS AND FITTINGS TO REACH WITHIN 3'-0" OF TERMINAL UNIT.
 B. LOW PRESSURE: INSTALL WHERE INDICATED ON DRAWINGS AND BE A MAXIMUM OF 5'-0" IN LENGTH. USE METAL DUCT AND FITTINGS TO REACH WITHIN 5'-0" OF
- B. LOW PRESSURE. INSTALL WHERE INDICATED ON DRAWINGS AND BE A MAXIMUM OF 5-0 IN LENGTH. USE METAL DUCT AND FITTINGS TO REACH WITHIN 5-0 OF DIFFUSER.
 30. FLEXIBLE DUCTS SHALL BE USED FOR ALIGNMENT PURPOSES ONLY. MAXIMUM OFFSET 1" PER FOOT LENGTH. NO ELBOWS USING FLEXIBLE DUCTS WILL BE ALLOWED.
- DUCTS SHOULD NOT BE COMPRESSED. THE SPECIFICATIONS HEREIN, SHALL NOT SUPERSEDE THE APPLICATION CONTINGENCIES DICTATED BY THE FLEXIBLE DUCT MANUFACTURER IF THOSE ARE MORE STRINGENT.
- 31. ALL PIPING TO BE INSTALLED PERPENDICULAR TO STRUCTURE LINES UNLESS OTHERWISE NOTED ON DRAWINGS. ALL PIPING TO BE NEATLY SPACED WITH RISERS AND DROPS PLUMB AND TRUE. MINIMUM SPACING SHALL HAVE 1" CLEAR BETWEEN PIPING (INCLUDING FITTINGS) AFTER INSULATION. PIPING SHALL NOT OBSTRUCT ACCESS TO EQUIPMENT, VALVES, FILTERS, ETC.
- ALL PIPING TO BE INSTALLED CONCEALED EXCEPT WHERE NOTED ON PLANS. DO NOT INSTALL PIPING BELOW SLABS EXCEPT WHERE NOTED ON PLANS. DO NOT CONCEAL PIPING UNTIL INSPECTED AND TESTED. PNEUMATIC TESTING OF ALL PIPING IS REQUIRED.
 ALL PIPING THAT PENETRATES CONCRETE SLABS OR MASONRY WALLS SHALL BE PROVIDED WITH A PIPE SLEEVE WITH AN I.D. MINIMUM 1" LARGER THAN O.D. OF
- PIPE. SLEEVES SHALL PROTRUDE 2" AFF AND FLUSH WITH WALL SURFACE. IF PIPE SLEEVES ARE NOT POURED-IN-PLACE, GROUT SECURELY TO WALL OR SLAB. SEAL SPACE BETWEEN PIPE AND SLEEVE. USE FIRE RATED SEALANT WHERE REQUIRED. 34. PROVIDE ALL PIPING OFF-SETS AS REQUIRED FOR COORDINATION WITH STRUCTURE, DUCTWORK, CONDUITS, ETC.
- PROVIDE ALL PIPING OFF-SETS AS REQUIRED FOR COORDINATION WITH STRUCTURE, DUCTWORK, CONDUITS, ETC.
 INSTALL PIPE ANCHORS WHERE REQUIRED OR AS SHOWN ON PLANS. INSTALL PIPE ROLLERS WHERE REQUIRED OR SHOWN ON PLANS. INSTALL GUIDES AT ALL EXPANSION JOINTS, EXPANSION LOOPS OR WHERE REQUIRED.
- 36. FLEXIBLE CONNECTORS, EXPANSION AND VIBRATION CONTROL DEVICES AND FITTING SHALL BE OF AN APPROVED TYPE.
- ALL PIPING, VALVES AND HYDRONIC EQUIPMENT SHALL BE LABELED WITH ENGRAVED TAGS OR PLACARDS WITH LETTERING ONE INCH(1") TALL (MINIMUM).
 CLOSE NIPPLES SHALL NOT BE PERMITTED. USE ONLY SHOULDER NIPPLES.
- 39. REDUCERS FOR PUMPS OR CONTROL VALVES SHALL BE INSTALLED ABUTTING THE INLET/OUTLET OF THE VALVE OR PUMP. 40. USE ECCENTRIC REDUCING FITTINGS OR COUPLINGS WHERE REQUIRED TO PREVENT THE POCKETING OF LIQUIDS.
- 41. PROVIDE UNION OR FLANGE AT PIPE CONNECTIONS TO COILS, EQUIPMENT, ETC. AND AT LOCATIONS SHOWN ON PLANS OR IN DETAILS. PROVIDE UNION OR FLANGE BETWEEN EQUIPMENT AND CONTROL VALVES.
- 42. PROVIDE PEET'S PLUGS (PT PLUGS) AT THE INLET AND OUTLET OF ALL HYDRONIC EQUIPMENT WHERE THERMOMETERS ARE NOT SHOWN.
- 43. PROVIDE DIELECTRIC UNIONS BETWEEN FERROUS AND NON FERROUS PIPE AND FITTINGS.
 44. PIPE INSULATION SHALL BE PER ASHRAE 90.1-2013. MINIMUM 1" FIBERGLASS INSULATION (2LB, FIRE/SMOKE 25/50) ON ALL HYDRONIC PIPING. STEAM HEATING PIPING SYSTEM SYSTEMS WITH 1½" THICK FIBERGLASS INSULATION (1½" DIAMETER AND UNDER) OR 2" THICK (OVER 1½" DIAMETER). 251°-350° FLUID TEMPERATURE: INSULATE STEAM HEATING PIPING SYSTEM SYSTEMS WITH 2½" THICK FIBERGLASS INSULATION (1½" DIAMETER AND UNDER) OR 3" THICK (OVER 1½" DIAMETER). 140°-200° FLUID TEMPERATURE: INSULATE CONDENSATE HEATING PIPING SYSTEMS WITH 1" THICK FIBERGLASS INSULATION (4" DIAMETER AND UNDER). 201°-250° FLUID TEMPERATURE: INSULATE CONDENSATE HEATING PIPING SYSTEM WITH 1½" THICK FIBERGLASS INSULATION (1½" DIAMETER AND UNDER). 201°-250° FLUID TEMPERATURE: INSULATE CONDENSATE HEATING PIPING SYSTEM WITH 1½" THICK FIBERGLASS INSULATION (1½" DIAMETER AND UNDER). 201°-250° FLUID TEMPERATURE: INSULATE CONDENSATE HEATING PIPING SYSTEM WITH 1½" THICK FIBERGLASS INSULATION (1½" DIAMETER AND UNDER). 201°-250° FLUID TEMPERATURE: INSULATE CONDENSATE HEATING PIPING SYSTEM WITH 1½" THICK FIBERGLASS INSULATION (1½" DIAMETER AND UNDER) OR 2" THICK (OVER 1½" DIAMETER).
- 45. THERMOSTATS SHALL BE INSTALLED AS SHOWN ON PLANS. TYPICAL HEIGHT FOR MOUNTING SHALL BE 48" AFF TO BOTTOM OF T-STAT, UNLESS OTHERWISE NOTED. DO NOT INSTALL T-STAT WITHIN TWO(2) FEET OF DIMMING LIGHT SWITCH. INDICATED SHALL BE MEASURED AND BALANCED TO WITHIN 10% OF THE FLOW VALUES INDICATED ON THE DRAWINGS. FAN RPMS, AND VOLUME DAMPERS SHALL BE ADJUSTED AS REQUIRED TO ACHIEVE FLOW BALANCE. NEBB OR AABC CERTIFIED BALANCE REPORTS SHALL BE SUBMITTED TO THE ENGINEER AT THE COMPLETION OF THE PROJECT. THE COST OF THE BALANCING SHALL BE INCLUDED IN THE MECHANICAL CONTRACTOR BID.
- 46. ALL AUTOMATIC TEMPERATURE CONTROLS ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- 47. CONTRACTOR SHALL NOT CUT, DRILL OR POWDER NAIL INTO ANY EXISTING OR NEW STRUCTURAL MEMBER OR ASSEMBLY WITHOUT PRIOR WRITTEN AUTHORIZATION FROM A LICENSED STRUCTURAL ENGINEER AND THE BUILDING OWNER. THIS INCLUDES CORE DRILLING ANY CONCRETE WALL OR FLOOR SLAB.
 48. ALL MECHANICAL EQUIPMENT SHALL BE HUNG OR SUPPORTED WITH VIBRATION ISOLATING HANGERS OR PADS. NO VIBRATION SHALL BE TRANSMITTED TO THE STRUCTURE.
- 49. COMBUSTION AIR INTAKE AND EXHAUST FLUES SHALL HAVE 10'-0" HORIZONTAL OR 3'-0" VERTICAL SEPARATION.
- 50. PROVIDE UL LISTED FIRE DAMPERS AT PENETRATIONS OF FIRE RATED WALLS AND CEILINGS.
- A MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL PROVIDE START-UP SUPERVISION AND TRAINING OF OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT.
 GAS PIPING SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF NFPA 54 - NATIONAL FUEL GAS CODE AND INTERNATIONAL FUEL GAS CODE.
- 53. GAS PIPING ABOVE GRADE AND OUTSIDE THE BUILDING GAS PIPING IS TO BE PAINTED BLACK.
- 54. COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.

 THE BASEMENT IS TO BE TEMP
 THE FIRST FLOOR COMMERCE EXTERIOR OF THE PROPERTY

MECHANICAL EQUIPMENT

. THE BASEMENT IS TO BE TEMPERED BY THE OTHER SPACES, THERE IS NO PROPOSED MECHANICAL IN THE BASEMENT

2. THE FIRST FLOOR COMMERCIAL BUSINESS USE IS TO BE HEATED AND COOLED WITH A FURNANCE AND A/C UNIT, THE A/C UNIT IS TO BE PLACED ON THE

ALL RESIDENTIAL UNITS ARE TO BE HEATED AND COOLED WITH MINI SPLIT UNITS. THE FIRST FLOOR UNITS ARE TO HAVE MINI SPLIT CONDENSORS LOCATED OUTSIDE THE UNIT ON GRADE, THE SECOND FLOOR UNITS ARE TO BE MOUNTED ON THE ROOF.



<u>ARCHITECT</u>

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project name 708 N BURDICK STREET

PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

CONSTRUCTION DOCUMENTS

REVISION

 DRAWN BY
 Author

 DATE
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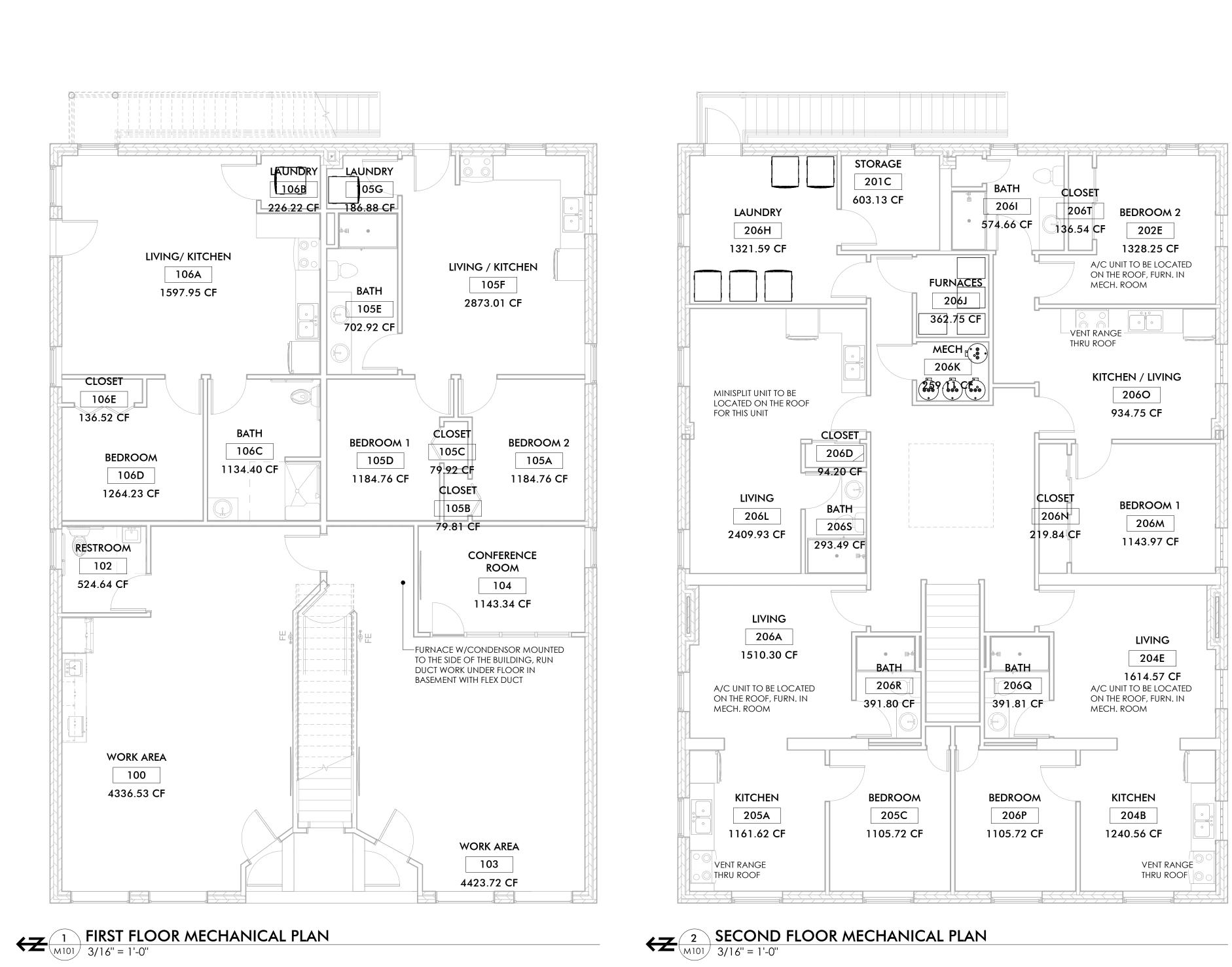
 SCALE
 1/4" = 1'-0"

 STAMP
 1/4" = 1'-0"

PROJECT NUMBER 2022.034

MECHANICAL SPECIFICATION





GENERAL MECHANICAL NOTES

INSTALL ALL DUCTWORK PER SMACNA STANDARDS. USING METAL DUCT ADEQUATELY SUPPORTED TO AVOID DEFLECTION IN DUCT. WRAP ALL SUPPLY DUCTWORK WITH 1 1/2", 3/4 P.C.F. DENSITY FIBERGLASS INSULATION WITH VAPOR BARRIER. TAPE & SEAL ALL SEAMS, CUT-OUTS, & PENETRATIONS. INSULATE TOPS & NECKS OF ALL DIFFUSERS AND REGISTERS. PROVIDE EXPOSED SPIRAL UNINSULATED DUCT IN ALL CONDITIONED SPACES.

- TEST AND BALANCE AIR DISTRIBUTION SYSTEM, PROVIDE BALANCE REPORT TO OWNER FOR REVIEW AT PROJEC COMPLETION.
- ALL DUCTS ARE TO BE RAN EXPOSED, UNLESS NOTED OTHERWISE
- PROVIDE ALL NECESSARY DUCT FITTINGS AND TRANSITIONS FOR A COMPLETE SYSTEM.
- INSTALL DIFFUSERS WITH AIR TIGHT CONNECTIONS.
- FIELD VERIFY CONDITIONS OF EXHAUST FANS, MODIFY OR CHANGE AS NECESSARY TO PROVIDE REQUIRED CFM'S.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, and laws.
- ARRANGE AND PAY FOR ALL PERMITS AND INSPECTIONS AS REQUIRED.
- ALL WORK SHALL BE TESTED, BALANCED, AND GUARANTEED. PROVIDE REPORT TO ARCHITECT AND OWNER FOR THEIR RECORDS.
- 0. ANY MECHANICAL UNITS OR SYSTEMS SHOWN ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL PROVIDE FITTINGS, OFFSETS, ETC. AS NECESSARY TO PROVIDE COMPLETE SYSTEMS.
- 11. FINAL LOCATION OF ALL CEILING FEATURES TO BE COORDINATED WITH ALL TRADES.
- 12. MECHANICAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
- 13. PROVIDE APPROPRIATE FIRE STOPPING MATERIALS WHERE FIRE RATED ASSEMBLIES ARE PENETRATED.
- 14. ALL WORK AND MATERIALS SHALL BE GUARANTEED IN WRITING FOR ONE YEAR FROM THE PROJECT COMPLETION.
- 15. ANY MODEL NUMBERS OR MANUFACTURERS LISTED THROUGHOUT THE DRAWINGS ARE A BASIS OF DESIGN. THE CONTRACTOR MAY AT HIS OPTION PROVIDE AN "OR EQUAL" MANUFACTURER OR PRODUCT. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL COST ADDITIONS REQUIRED TO THE SYSTEM SHOULD AN "OR EQUAL" MANUFACTURER BE SELECTED.
- 16. ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL. RUN IN BULKHEADS OR EMBEDDED IN WALL WHERE APPLICABLE. PAINT TO MATCH WHEN EXPOSED.
- 17. PROVIDE A GAS SHUTOFF VALVE, COMPLETE WITH DIRT LEG AT EACH PIECE OF GAS FIELD EQUIPMENT.
- 18. THE HEATING AND COOLING SYSTEMS ARE TO BE A DESIGN BUILD SYSTEM. IT IS TO BE DESIGNED, PROVIDED AND INSTALLED BY A LICENSED MECHANICAL CONTRACTOR OR ENGINEER IN THE STATE OF MICHIGAN. THE SYSTEM IS TO BE DESIGNED TO ALL APPLICABLE MICHIGAN MECHANICAL CODES IN FORCE AT THE TIME OF INSTALLATION AND INSPECTION. ANY MECHANICAL SHOWN ON THE PLANS ARE FOR REFERENCE ONLY AND HAVE BEEN PROVIDED BY A LICENSED CONTRACTOR. THE ARCHITECT DOES NOT TAKE ANY LIABILITY FOR THESE SYSTEMS.
- 19. A CFM SCHEDULE IS TO BE PROVIDED WITH A LAYOUT OF DUCTWORK WHEN APPLYING FOR MECHANICAL PERMIT.
- 20. CARBON FILTERS IN MICROWAVE LOCATED ABOVE EACH RESIDENTIAL RANGE



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PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI CLIENT KYLE GULAU

ISSUE CONSTRUCTION DOCUMENTS

REVISION

drawn by CMN DATE 1/6/2024 9:52:25 PM scale 3/16" = 1'-0" STAMP

PROJECT NUMBER 2022.034

MECHANICAL PLAN



ELECTRICAL SPECIFICATIONS

- PROVIDE COMPLETE AND ADEQUATE TEMPORARY POWER AND LIGHTS DURING CONSTRUCTION USING APPROVED LAMPHOLDERS AND GFCI CIRCUITING. MAINTAIN ALL LAMPS AS REQUIRED. REMOVE TEMPORARY AT PROJECT COMPLETION.
- ELECTRICAL SERVICE COORDINATION WITH THE LOCAL UTILITY COMPANY IS TO BE BY THE ELECTRICAL CONTRACTOR. THIS INCLUDES, PERMITS, LOAD CALCULATION INFORMATION, RACEWAY, TRANSFORMER AND METER LOCATIONS AND REQUIREMENTS.
- CUTTING AND PATCHING FOR ELECTRICAL ITEMS BY ELECTRICAL CONTRACTOR.
- TRENCHING UNDER PAVED AREAS TO BE BACKFILLED WITH SAND AND COMPACTED ALL WIRING TO BE COPPER. ALL WIRING ABOVE 50 VOLTS TO BE IN CONDUIT UNLESS NOTED OTHERWISE. PROPER WIRE TYPE AND SIZE AND CONDUIT SIZE IS REQUIRED FOR BRANCH CIRCUITS, EMT CONDUIT.
- ALL BRANCH CIRCUITS, FEEDERS AND HOMERUNS TO BE IN CONDUIT. LOCATE ABOVE CEILINGS WHEREVER POSSIBLE. MAKE SURE THAT EXPOSED CABLE IS RATED FOR THE ENVIRONMENT THAT IT IS IN.
- PROVIDE UPDATED TYPEWRITTEN DIRECTORIES ON ALL PANELS. LABEL ALL DISCONNECTS AND PANELS. 8 ANY ELECTRICAL EQUIPMENT THAT GETS MOUNTED TO THE FLOOR OR ON GRADE OUTSIDE, INCLUDING BUT NOT LIMITED TO: UTILITY TRANSFORMERS, ARE TO BE INSTALLED ON A 4" THICK CONCRETE HOUSEKEEPING PAD. OUTDOOR PADS, PROVIDE PROPER SLOPE FOR DRAINAGE.
- EXPOSED CONDUIT TO RUN PARALLEL WITH STRUCTURE AND SECURELY ATTACHED TO BUILDING STRUCTURE. 10. ELECTRICAL CONTRACTOR TO PROVIDE SUBMITTALS PRIOR TO ORDERING EQUIPMENT FOR LIGHTING, SWITCHGEAR, 11.
- SPECIAL EQUIPMENT, RECEPTS, LIGHTING CONTROLS, ETC. UNLESS NOTED OTHERWISE, ALL DEVICE ELEVATIONS REFER TO CENTER OF OUTLET BOX. ELECTRICAL CONTRACTOR 12. SHALL VERIFY ALL OUTLET LOCATIONS WITH OTHER TRADES. MINIMUM OF 18" ABOVE FINISHED FLOOR TO MEET ADA BARRIER FREE REQUIREMENTS.
- SHARING NEUTRALS BETWEEN CIRCUITS IS NOT PERMITTED. 13.
- LOW VOLTAGE TEMPERATURE CONTROL BY OTHERS. 14. 15.
- PROVIDE GFI ELECTRICAL CONNECTION TO ALL DRINKING FOUNTAINS. 16. REFER TO MECHANICAL DRAWINGS FOR ELECTRICAL DATA PERTAINING TO ALL MECHANICAL EQUIPMENT. VERIFY ACTUAL REQUIREMENTS WITH EQUIPMENT ORDERED AND MAKE ADJUSTMENTS ACCORDINGLY. LOCATIONS SHOWN ARE APPROXIMATE. FIELD VERIFY.
- ELECTRICAL CONTRACTOR SHALL REFER TO ALL MECHANICAL DIVISION SPECIFICATIONS, HVAC PLANS AND PLUMBING 17. PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS.
- PROVIDE A DUCT DETECTOR FOR THE RETURN AND SUPPLY OF AIR HANDLING UNITS. CONNECT TO SHUT DOWN THE 18. UNIT UPON ALARM. INSTALLATION MUST COMPLY WITH N.F.P.A. -90A IF >=2,500 SCFM.
- 19. FIRE ALARM SYSTEM TO BE INSTALLED BY QUALIFIED INSTALLER. ALL NECESSARY CERTIFICATIONS TO BE TAKEN CARE OF BY ELECTRICAL CONTRACTOR. E.C. TO COORDINATE LOCATIONS OF ALL FIRE ALARM DEVICES, WITH OWNER AND OTHER TRADES, PRIOR TO ROUGH-IN. DEVICES TO BE LOCATED AND MEET NFPA 72 REQUIREMENTS.
- PROVIDE A CONNECTION FOR ALL EQUIPMENT IN KITCHEN AND BREWERY. COORDINATE WITH SUPPLIERS. 20 21. ALL EMERGENCY SYSTEM WIRING SHALL BE IN A SEPARATE RACEWAY IN ACCORDANCE WITH ARTICLE 700 OF N.E.C.
- 22. WIRING IN AREA SEPARATION WALLS TO COMPLY WITH ARTICLE 300-22 OF THE N.E.C.
- 23. PROVIDE FIRESTOPPING AT ALL REQUIRED PENETRATIONS.
- BACK-TO-BACK OUTLETS CANNOT BE IN THE SAME STUD CAVITY IN RATED WALLS. 8" MINIMUM SPACING REQUIRED. 24.
- 25. SLEEVE ELECTRICAL PENETRATIONS FROM FERROUS SLEEVES AND ALL AREA SEPARATION WALLS. 26. AN ELECTRICAL PERMIT SHALL BE ACQUIRED BY A STATE LICENSED ELECTRICAL CONTRACTOR.
- 27. PROVIDE GROUNDING AS PER N.E.C. SECTION 250.
- ALL ELECTRICAL WORK IS SUBJECT TO FIELD REVIEW BY THE ELECTRICAL INSPECTOR AND THE PROJECT ENGINEER. 28.
- PROVIDE PROPER WORKING CLEARANCES AT ALL ELECTRICAL EQUIPMENT. 29.
- 30. MAXIMUM OF SIX (6) DUPLEX OUTLETS PER 20 AMP CIRCUIT UNLESS NOTED OTHERWISE.
- 31. ALL WORK TO COMPLY WITH THE LATEST ADOPTED VERSION OF NFPA 70, NFPA 70E, NFPA 72, NFPA 101, INCLUDING ANY SUPPLEMENTAL STATE AND LOCAL CODES.
- 32. PROVIDE ACCESS PANELS, AS REQUIRED, TO MAINTAIN ACCESS TO NEW OR EXISTING JUNCTION BOXES, CONDUIT BODIES (OR SIMILAR ENCLOSURES) BEHIND WALLS, FLOORS OR CEILINGS THAT ARE NOT ACCESSIBLE. DO NOT LAY WIRES, FLEX, ETC. ON CEILING TILE. 33.
- WHERE A FLOOR COVERING OR FINAL FLOOR FINISH IS OTHER THAN CARPET OR VINYL TILE, CONDUIT SHALL NOT BE 34 RUN WITHIN CONCRETE SLABS. 1" OF CONCRETE OVER THE TOP OF CONDUITS AND SLABS MUST BE MAINTAINED. 1-1/2" OVER IS PREFERRED.
- DIMMER SWITCHES RATED 1,000W OR HIGHER ARE TO BE MOUNTED IN A SEPARATE BACKBOX AND NOT GANGED 35. TOGETHER WITH OTHER DIMMER SWITCHES.
- PROVIDE SEAL-OFFS WHEN PIPING PASSES THROUGH AREAS OF DIFFERENT AMBIENT TEMPERATURES AND/OR 36. HAZARDOUS AREAS.
- 37. PROPER PROTECTION AGAINST CORROSION REQUIRED FOR ALL ELECTRICAL EQUIPMENT. IT SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.
- BRANCH CIRCUIT CONDUCTORS SUPPLYING A SINGLE MOTOR SHALL HAVE AN AMPACITY NOT LESS THAN 125% OF THE 38. MOTOR FULL LOAD CURRENT RATING. PROPER THERMAL OVERLOAD PROTECTION SHALL BE REQUIRED FOR ALL MOTORS. 39.
- ALL ELECTRICAL DEVICES IN THE PIT OF AN ELEVATOR SHAFT SHALL BE NEMA 4 RATED. THIS INCLUDES LIGHTING, 40. RECEPTACLES, SWITCHES, CONDUIT AND CONNECTIONS. CONNECTIONS ARE TO BE THREADED OR COMPRESSION AND COVERS PROVIDED FOR RECEPTACLES AND SWITCHES.
- 41. DO NOT ROUGH IN ANY CIRCUITS UNTIL ALL MECHANICAL & OTHER EQUIPMENT SUBMITTALS ARE THOROUGHLY REVIEWED FOR CHANGES IN CIRCUIT SIZES. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- PROVIDE OPERATION AND MAINTENANCE MANUALS AT PROJECT COMPLETION. 42. 43. PROVIDE NECESSARY TRAINING ON ELECTRICAL SYSTEMS TO OWNER.
- PROPER TIME IS TO BE GIVEN TO PRE-CONSTRUCTION COORDINATION OF ALL OTHER SYSTEMS. ELECTRICAL 44. CONTRACTOR TO VERIFY MOUNTING HEIGHTS OF DEVICES WITH FINAL FURNITURE AND CABINET PLANS. FLOOR OUTLETS TO BE FIELD VERIFIED FOR EXACT PLACEMENT.
- FEEDERS ARE TO BE KEPT AWAY FROM OCCUPIED SPACES. 45.
- ALL RECEPTACLES ARE TO BE NEMA 5-20R AND SPECIFICATION GRADE UNLESS NOTED OTHERWISE. ALL CIRCUITS TO 46. RECEPTACLES TO HAVE SEPARATE EQUIPMENT GROUNDING CONDUCTORS INDEPENDENT OF RACEWAYS. DEVICE COLOR TO BE WHITE, COVER TO BE STAINLESS STEEL.
- PROVIDE PROPER SEPARATION BETWEEN LOW VOLTAGE CONDUCTORS AND HIGHER VOLTAGE CONDUCTORS. 47.
- 48. MAKE SURE THERE ARE WP, GFCI, WR RECEPTACLES WITHIN 25 FEET OF HVAC EQUIPMENT FOR SERVICEABILITY. ALL RECEPTACLES OUTDOORS ARE TO BE WR LISTED, AND GFCI PROTECTED. THE RECEPTACLE IS TO BE MOUNTED 49. INSIDE A WP METAL BOX THAT IS LISTED WITH THE COVER CLOSED.
- ALL RECEPTACLES WITHIN 6'-0" OF A SINK EDGE IS TO BE GFCI TYPE WHETHER LOCATED ABOVE THE COUNTER OR NOT. 50.
- 51. PROVIDE BLANK COVERPLATES FOR ALL UNUSED JUNCTION-BOXES AND BACK-BOXES AT JOB COMPLETION. 52. E.C. IS TO REVIEW ALL OTHER TRADES CONSTRUCTION DRAWINGS AND SHOP DRAWINGS FOR ANY ELECTRICAL ROUGH-IN REQUIREMENTS NOT SHOWN IN ELECTRICAL CONSTRUCTION DOCUMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, PLUMBING, FOOD SERVICE, BREWING, FIRE ALARM AND ANY OTHER SPECIALTY SYSTEM DOCUMENTS.
- 53. OWNER AND/OR OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR CONTACTING AND COORDINATING SERVICES AND EQUIPMENT CONTRACTS FOR PHONE, INTERNET, CABLE TV, SECURITY, ACCESS CONTROL, PAGING, SOUND, ETC., ALONG WITH SERVICE ENTRANCE RACEWAY SIZES AND LOCATIONS. INTERIOR RACEWAYS AND BACK-BOXES FOR SUCH SYSTEMS WILL BE INSTALLED PER PART OF THE BASE CONTRACT DOCUMENTS BY THE ELECTRICAL CONTRACTOR. REFER TO TELE/DATA NOTES FOR CABLING, JACK AND CABLE TERMINATION REQUIREMENTS, IF ANY, AS PART OF THIS PROJECT'S CONTRACT.
- PROVIDE FLUSH FLOOR BOXES AT LOCATIONS SHOWN. FLOOR BOXES TO BE FSR INC. #FL-500P-4 WITH #FL-500P-SSQ-C 54. FLUSH ALUMINUM CARPET/TILE COVER WIT LIFT-OFF DOOR. PROVIDE POWER AND I.T. RACEWAYS TO BOXES. COORDINATE EXACT LOCATIONS OF OPENINGS WITH ARCHITECTURAL AND OWNER PRIOR TO ROUGH-IN.

MOUNTING HEIGHTS

SWITCHES **RECEPTACLES - STANDARD** RECEPTACLES - ABOVE COUNTERS RECEPTACLES - MECHANICAL ROOMS RECEPTACLES - PLANT AREAS & GARAGE **RECEPTACLES - EXTERIOR** TELEVISION RECEPTACLE LOW VOLTAGE OUTLETS DISCONNECT SWITCHES MOTOR STARTERS PANELS

FIRE ALARM PULL STATIONS FIRE ALARM INDICATING DEVICES

CONTROL BUTTONS - FINISHED AREAS CONTROL BUTTONS - UNFINISHED AREAS CARD READERS, ETC.

WALL MOUNTED CLOCKS, SPEAKERS, EXIT SIGNS, EMERGENCY

LIGHTING EXTERIOR BUILDING MOUNTED LIGHT FIXTURES (SEE ARCHITECTURAL ELEVATIONS OR COORDINATE WITH ARCHITECTURAL FEATURES)

UNLESS NOTED OTHERWISE, MEASUREMENTS INDICATE TO CENTER OF BOX. IF DEVICE IS MARKED ON DRAWINGS DIFFERENTLY THAN THIS SCHEDULE, USE DRAWINGS AS A GUIDE. CERTAIN PROJECT CONDITIONS MAY WARRANT VARYING THE HEIGHTS. ELECTRICAL CONTRACTOR'S FIELD FOREMAN IS TO STUDY FINAL DOCUMENTS WITH SUBMITTALS FROM ALL TRADES BEFORE ROUGHING IN (IF POSSIBLE). RAISED FLOORS IN COMPUTER ROOMS OR SIMILAR ROOMS TO BECOME FINISHED FLOOR HEIGHT. REFER TO INTERIOR ELEVATIONS FOR HEIGHTS AND LOCATIONS OF EQUIPMENT AND FURNITURE.

SEE MOUNTING HEIGHTS AND ABBREVIATIONS FOR VISUALS

POW	/ER/COMMUNICATION LEGEND	
SYM	DESCRIPTION	HGT
	CIRCUIT BREAKER	
гZ	FUSED SWITCH	
[C]	CONTACTOR	
	DATA/TELEPHONE OUTLET	18"
	DISCONNECT	
\Rightarrow	DUPLEX RECEPTACLE (NON-SWITCHED)	18"
	COUNTER HEIGHT DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER	44"
= GFI	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER	18"
	DUPLEX RECEPTACLE, WATER PROOF, GROUND FAULT INTERRUPTER	18"
\square	DOUBLE DUPLEX RECEPTACLE (NON-SWITCHED)	18"
•	EQUIPMENT CONNECTION POINT	
<u> </u>	GROUND	
Ĵ	JUNCTION BOX	
	MOTOR, ELECTRIC	
	PANEL, BRANCH	
	PANEL, DISTRIBUTION	
0	PUSH BUTTON SWITCH, SINGLE	48''
	RECEPTACLE, SPECIAL	
SP	SPEAKER	
	TELEVISION	18"
\boxtimes	UTILITY METER	

MOUNTING HEIGHTS ARE AS GIVEN UNLESS NOTED OTHERWISE ON THE PLANS

FIRE ALARM LEGEND

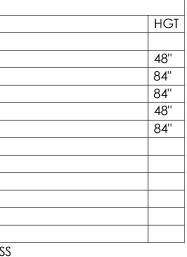
SYM	DESCRIPTION
DD	DUCT TYPE SMOKE DETECTOR
Т	DUCT DETECTOR TEST STATION
$\lor \lhd$	FIRE ALARM AUDIO/VISUAL
FO	FIRE ALARM BELL
F	FIRE ALARM PULL STATION
V	FIRE ALARM VISUAL DEVICE
FS	FLOW SWITCH
HD	HEAT DETECTOR
SD	SMOKE DETECTOR
TS	TAMPER SWITCH
\diamond	SMOKE DAMPER

MOUNTING HEIGHTS ARE AS GIVEN UNLESS NOTED OTHERWISE ON THE PLANS.

SYM	DESCRIPTION	HGT
0	1'x4' CEILING LIGHTING FIXTURE	
	WALL MOUNTED EMERGENCY LIGHT	
\bigcirc	CAN LIGHT	
ЬQ	WALL MOUNTED LIGHT	
$\uparrow \bigotimes$	EXIT, 1-WAY	
$\uparrow \otimes \uparrow$	EXIT, 2-WAY	
S	SWITCH, SINGLE POLE	48''
S 3	SWITCH, 3-WAY	48''
S 4	SWITCH, 4-WAY	48''
SOP	SWITCH, OCCUPANCY SENSOR	48''
SD	SWITCH, DIMMER	48"

NOTED OTHERWISE ON THE PLANS.

- 18" 44"
- 48" 48"
- 24" (ABOVE FINISH GRADE)
- 90"
- SAME AS RECEPTACLES
- 60" (TO CENTER OF HANDLE)
- 60" (TO CENTER OF HANDLE) 72" TO 78" (TO TOP OF PANEL AS LONG AS
- BOTTOM IS AT LEAST 12" AFF)
- 48" (TO TOP OF PULL HANDLE)
- 6' 8" (TO BOTTOM OF DEVICE OR 6" FROM CEILING TO CENTER)
- 48''
- 60" 48"
- 92"



RISER INFORMATION

COORDINATED BETWEEN THE ELECTRICIAN, THE CITY OF KALAMAZOO, AND CONSUMER'S ENERGY





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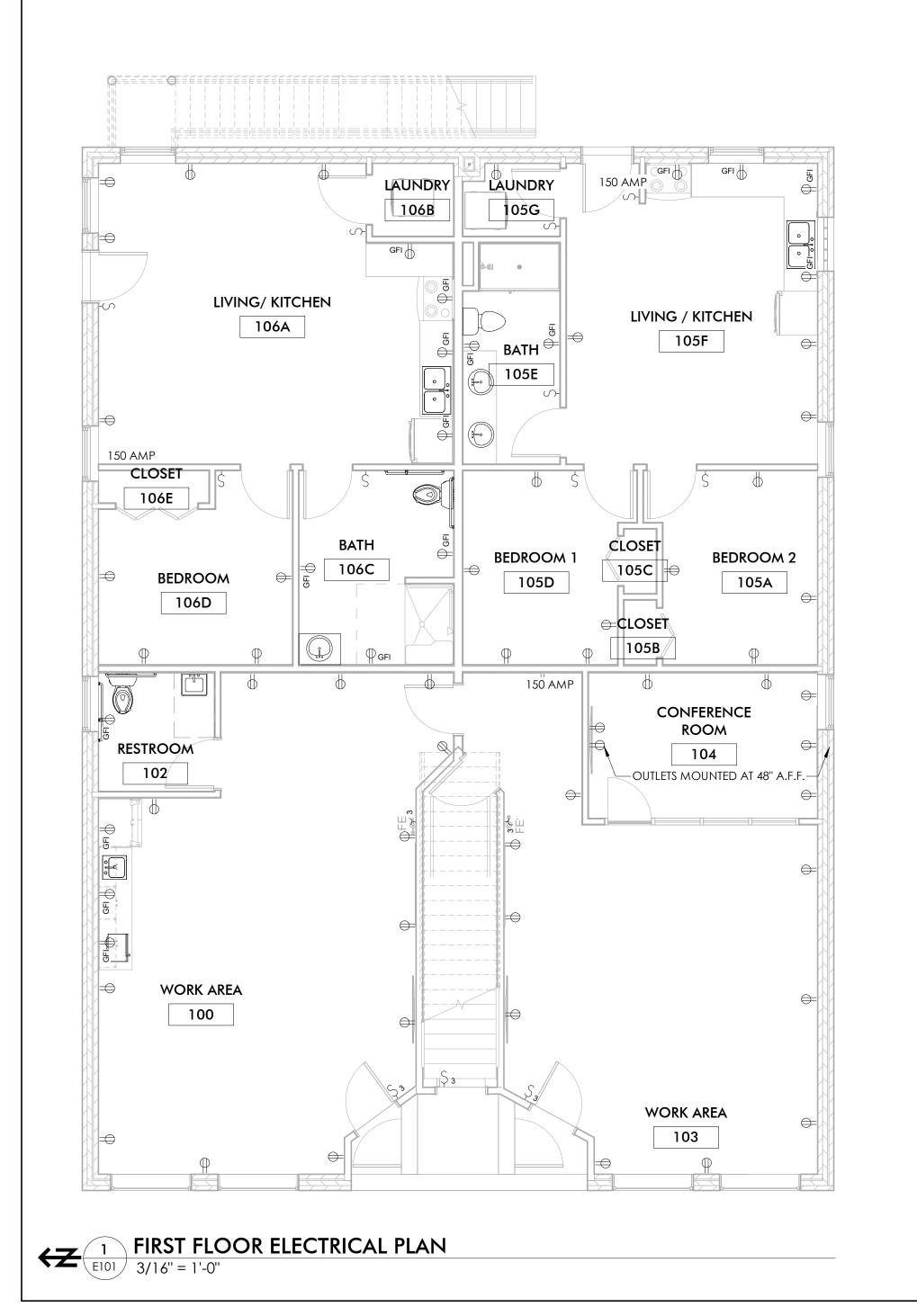
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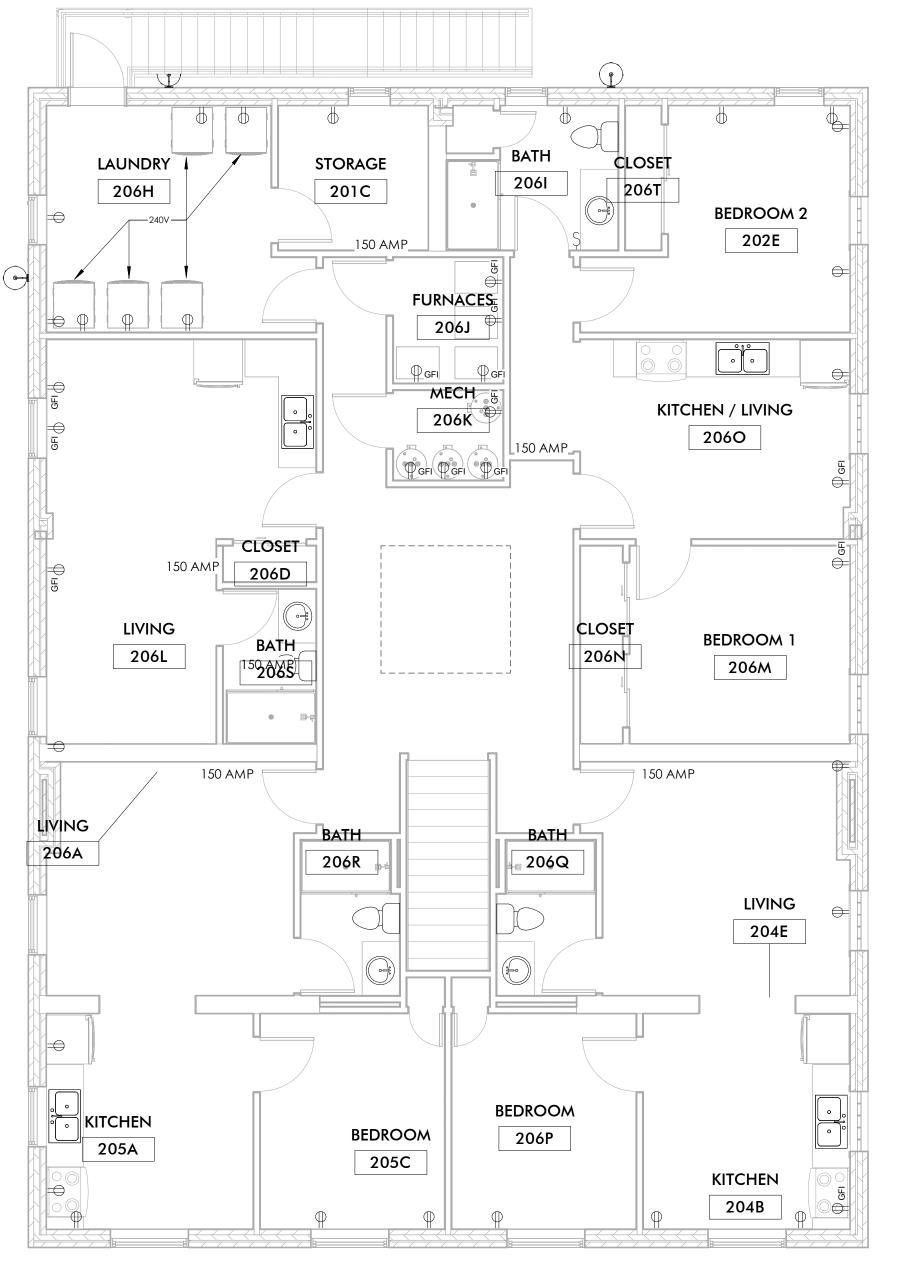
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EVALUATE: SECOND FLOOR ELECTRICAL PLAN



ELECTRICAL NOTES

- . ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC CODE AND ALL AUTHORITIES HAVING JURISDICTION.
- 2. ELECTRICAL CONTRACTOR TO SECURE AND PAY FOR ALL PERMITS AND FEES.
- 3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR INSTALLATION OF ALL EQUIPMENT. INSTALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
- 4. ALL WIRING SHALL BE COPPER NO. 12 AWG MINIMUM SIZE, TYPE THNN/THXX INSULATION.
- 5. ALL WIRING SHALL BE INSTALLED IN A METALLIC CONDUIT SYSTEM. RUN ALL NEW CONDUIT CONCEALED IN FINISHED AREAS.
- 6. ALL RECEPTACLES SHALL BE 20 AMP, GROUNDING TYPE, WHITE COLOR AND COVERPLATES. PROVIDE GFCI TYPES WHERE SHOWN AND ANYWHERE WITHIN SIX FEET OF A PLUMBING FIXTURE. VERIFY AND COORDINATE ALL POWER OUTLETS TYPES AND LOCATIONS WITH OWNER PRIOR TO INSTALLATIONS.
- 7. ALL LIGHT SWITCHES SHALL BE SILENT TYPE, 20 AMP., WHITE.
- 8. MAXIMUM LOAD FOR A 20 AMP BREAKER SHALL BE 15 AMPS OR 1800 WATTS AT 120 VAC.
- 9. PROVIDE NEW TYPED PANEL INDEXES ON ALL ELECTRICAL PANELS THAT WERE REVISED.
- 10. LIGHTING SHOWN SCHEMATICALLY ON REFLECTED CEILING PLAN, CENTER LIGHTINGS IN ROOM UNLESS NOTED OTHERWISE.
- 11. ELECTRICAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
- 12. GUARANTEE ELECTRICAL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE.
- 13. IT IS UNDERSTAND AND AGREED BY THE INSTALLER THAT WORK HEREIN DESCRIBED SHALL BE COMPLETE IN EVERY DETAIL, EVEN THOUGH EVERY ITEM INVOLVED IS NOT PARTICULARLY MENTIONED. INSTALLER SHALL BE HELD TO PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR THE WORK INTENDED AND DESCRIBED FOR A COMPLETE AND OPERATIONAL SYSTEM. SUCH MATERIALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, CONDUIT, FITTINGS, COVERPLATES, WIRING, BREAKERS, CONTROL DEVICES, LIGHTING ACCESSORIES, ETC. THIS ALSO INCLUDES EQUIPMENT REQUIRED BY STATE AND LOCAL CODES.
- 14. ELECTRICAL AND DATA OUTLETS ARE SHOWN SCHEMATICALLY IN NATURE. REVIEW FINAL PLACEMENT WITH OWNER BEFORE INSTALL.
- 15. THE ELECTRICAL SYSTEM IS TO BE A DESIGN BUILD SYSTEM. IT IS TO BE DESIGNED, PROVIDED, AND INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR OR ENGINEER IN THE STATE OF MICHIGAN. THE SYSTEM IS TO BE DESIGNED TO MEET ALL APPLICABLE MICHIGAN ELECTRICAL CODES IN FORCE AT THE TIME OF INSTALLATION AND INSPECTION. ANY ELECTRICAL SHOWN IS FOR REFERENCE ONLY AND HAS BEEN DESIGNED BY A LICENSED CONTRACTOR. THE ARCHITECT DOES NOT TAKE ANY LIABILITY FOR THESE SYSTEMS.

ELECTRICAL FIXTURES

TAG/SYMBOL	MANUFACTURER & DESCRIPTION	MODEL # / URL	
O	LITHONIA 6" CYLINDER CAN LIGHT	LDN6 CYLINDER SERIES; https://lithonia.acuitybrands.com/products/detail/5649 53/lithonia-lighting/ldn6-cylinder-series/led-cylinders	
\bigcirc \bigcirc	LITHONIA 6'' RECESSED CAN LIGHT OR WALL WASH	LDN6; https://lithonia.acuitybrands.com/products/detail/1112 971/lithonia-lighting/contractor-select-ldn6-round-series	
	BEACH LIGHTING ULTRA SLIM LED UNDERCABINET LIGHT	BEA380917; https://www.lightology.com/index.php? module=prod_detail∏_id=380917&cat_id=321	
<u></u>	POWERLED SURFACE UNDERCABINET PUCK LIGHT	DLS472984; https://www.lightology.com/index.php? module=prod_detail∏_id=472984&cat_id=136	
	LITHONIA HIGH BAY LED LIGHT FIXTURE	JCBL; https://www.acuitybrands.com/products/detail/56042 6/lithonia-lighting/jcbl/led-high-bay	
	BROAN EXHAUST FAN WITH LED LIGHT, 110 CFM	NUTONE FLEX SERIES; www.broan-nutone.com/en- us/product/ventilationfans/7911edntm	
٩	LITHONIA EMERGENCY LIGHT	ELM6L; https://lithonia.acuitybrands.com/products/detail/80415 1/lithonia-lighting/elm6l-emergency-light/quantumr-led- adjustable-optics-1100-lumens-emergency-light	
<u>م</u>	LITHONIA EXIT-UNIT COMBO	LHQM LED; https://lithonia.acuitybrands.com/products/detail/48281/ lithonia-lighting/lhqm-led/quantumr-led-exit-unit-combo	
BROWNLEE LIGHTING VANITY LIGHT FLOW SQ; https://www.brownlee.com/product/5165LED			
	LITHONIA LED FLAT PANEL 2'X2' OR 2'X4' LED FIXTURE	CPX; https://www.acuitybrands.com/products/detail/855690/l ithonia-lighting/contractor-select-cpx-led-flat- panel/most-popular-and-readily-available- configurations-for-your-everyday-lighting-needs	
	MARK ARCHITECTURAL LIGHTING, 4' LED RECESSED STRIP LIGHT	SLOT 4 RECESSED; https://marklighting.acuitybrands.com/products/detail/1 22734/mark-	
	BIG ASS FANS FAN WITH LIGHT	HAIKU L; https://www.bigassfans.com/fans/haiku/	
	BIG ASS FANS 8' DIA. FAN	16; https://www.bigassfans.com/fans/i6/	

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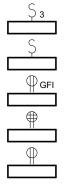
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ELECTRICAL SYMBOLS



THREE-WAY SWITCH SWITCH QUADRUPLEX OUTLET DUPLEX OUTLET

THREE-WAY SWITCH SWITCH GROUNDED FAULT INTERCEPTOR OUTLET GROUNDED FAULT INTERCEPTOR OUTLET QUADRUPLEX OUTLET DUPLEX OUTLET

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PROJECT NUMBER 2022.034

> ELECTRICAL PLAN E101

PLUMBING ABBREVIATIONS

AFF APOVE FINSHED ELCOR MH MANHOLE AFG APOVE INSHED ELCOR MH MINIMUM AFG APOVE INSHED ECROP MIG MOUNTING BD BALACING DAMERE MY MANHOLE BF BARNER FREE NC NORMALLY CLOSED BOD BOTTOM OF DUCT ELEVATION HWH NORMALLY CLOSED BV BALTACING VALVE NC NORMALLY CLOSED SV BALANCING VALVE NG NORMALLY CLOSED CS CATCH BASIN OA OUTSIDE AIR MARKE CS CATCH BASIN OA OUTSIDE AIR MARKE CH CUBIC FET PER HOUR PIV PRESUBE REPORT CH CUBIC FET PER MOUR PIV PRESUBE REPORT CH CUBIC FET PER MOUR PIV PRESUBE REPORT CH CASH RON PR PANEL RADIATION CM CUBIC FET PER MOUR PIV PRESUBE REPORT CM CUBIC RET PER MOUR PIV PRESUBE REPORT CM CUBIC RET PER MOUR PI PRESUBE REPORT CM CUBIC RET PER MOURE PIV PRESUBE REPORT CM COURCH RET PER MOURE PIV PRESUBE REPORT CM COURCH RET PE	AFGAROVE PINISHED CARDEMINMINIMUMBDBALANCING CAADEMINMOUNINGBDBALANCING CAADERMYMANUAL AIR VENTBDBOTCOM OF DUCT ELEVATIONNCNORMALL AIR VENTBDDBOTCOM OF DUCT ELEVATIONNCNORMALL AIR VENTBTHBRITISH THERMAL UNIT PER HOURNCNOTIN CONTRACTBTUBALARCING VALVENCNORMALL OF PINCCCATCH BASINOAOUTSIDE AIRCRVCALIBRATED BALANCING VALVEOAOUTSIDE AIR NTARECHCUBIC FEET PER MINUTEPIVPOSTINICATOR VALVECHCUBIC FEET PER MINUTEPIVPOSTINICATOR VALVECHCALIBRATED REAM NUTEPIVPOSTINICATOR VALVECHCASTRONPRPARESSURE REDUCING VALVECHCASTRONPRPARESSURE REDUCING VALVECHCASTRONPRPARESSURE PERDUTINGCMCOUNCOL VALVERAYRELIEF AIR VENTCMCOUNTON VALVERAYRELIEF AIR VENTCMCOMING COUNTAINRHRELIEF AIR VENTDFDEMINING FOUNTAINRHREVOLUTIONS PERA NINCTDFDEMINING F				
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MAMIXED AIRWPDWATER PRESSURE DROPMATMIXED AIR TEMPERATUREMAXMAXIMUMMBMOP BASIN	MAMIXED AIRWPDWATER PRESSURE DROPMATMIXED AIR TEMPERATURE		LEAVING WATER TEMPERATURE	WC	
MATMIXED AIR TEMPERATUREMAXMAXIMUMMBMOP BASIN	MATMIXED AIR TEMPERATUREMAXMAXIMUMMBMOP BASINMBHBRITISH THERMAL UNIT PER HOUR		MIXED AIR		
MAX MAXIMUM MB MOP BASIN	MAXMAXIMUMMBMOP BASINMBHBRITISH THERMAL UNIT PER HOUR				-
MB MOP BASIN	MB MOP BASIN MBH BRITISH THERMAL UNIT PER HOUR				
	MBH BRITISH THERMAL UNIT PER HOUR				
MBH BKIIISH THEKMAL UNIT PER HOUR					
			(THOUSANDS)		

SYMBOLS

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AW	ACID WASTE	MVAC
AWV	ACID WASTE VENT	
⊗	BALANCING VALVE	<u>O2</u>
×	BUTTERFLY VALVE	
	CALIBRATED BALANCING VALVE	
] CAP	
	CHECK VALVE	•
CR	CHILLER RETURN	PHR
CS	CHILLER SUPPLY	PHS
CWR	CHILLED WATER RETURN	PC
CWS	CHILLED WATER SUPPLY	
	COLD WATER (DOMESTIC)	
CA	COMPRESSED AIR	SAN
COND	CONDENSATE	SAN
CD	CONDENSATE DRAIN	<u> </u>
K	CONTROL VALVE	
CTR	COOLING TOWER RETURN	SCW
CTS	COOLING TOWER SUPPLY	SHW
	FIRE DAMPER (HORIZONTAL)	
<u> </u>	FIRE DAMPER (VERTICAL)	
Ś		STM (#)
	FIRE/SMOKE DAMPER	T
FP	FIRE PROTECTION	ST
	FLOW METER (PROBE TYPE)	ST (OF)
<u> </u>	FLOW METER (WAFER TYPE)	ST
FS		
FD	FLOW SWITCH	
FOR	FOOTING DRAIN	TW
FOS	FUEL OIL RETURN	TWR
G	FUEL OIL SUPPLY	
, L	GAS	T
	GAS COCK	<u>Õ</u>
HR	HEATING HOT WATER RETURN	
HS	HEATING HOT WATER SUPPLY	
HPR	HEAT PUMP RETURN	
HPS	HEAT PUMP SUPPLY	
	HOT WATER RETURN (DOMESTIC)	I
	HOT WATER SUPPLY (DOMESTIC)	VAC
(H)	HUMIDISTAT	
		v
MA	MEDICAL AIR	

MEDICAL VACUUM

OUTSIDE STEM AND YOKE VALVE

OXYGEN PRESSURE GAUGE

PRESSURE REDUCING VALVE

PRESSURE RELIEF VALVE

PRESSURE / TEMPERATURE TAPPING PRIMARY HEATING HOT WATER RETURN

PRIMARY HEATING HOT WATER SUPPLY

PUMPED CONDENSATE

REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER

SANITARY SEWER (ABOVE FLOOR)

SANITARY SEWER (BELOW FLOOR)

SHUT-OFF VALVE SMOKE DAMPER

SOFT COLD WATER SOFT HOT WATER

SOFT HOT WATER RETURN

SPRING CHECK VALVE

STEAM

STEAM TRAP

STORM SEWER (ABOVE FLOOR)

STORM SEWER (OVERFLOW SYSTEM) STORM (BELOW FLOOR)

Strainer **TEMPERATURE SENSOR**

TEPID WATER

TEPID WATER RETURN

THERMOMETER

THERMOSTAT

THREE-WAY CONTROL VALVE

THROTTLING VALVE

TRIPLE DUTY VALVE (ANGLE)

TRIPLE DUTY VALVE (STRAIGHT)

UNION

VACUUM

VACUUM BREAKER

VENT

(THOUSANDS)

PLUMBING FIXTURES

WATER CLOSET (TANK TYPE) WC-1

WATER CLOSET (FLOOR MOUNTED): KOHLER WELLWORTH CLASSIC, TWO-PIECE ELONGATED 1.6 GPF A. TOILET SEATS: ELONGATED, SOLID WHITE PLASTIC WITH MOLDED-IN BUMPERS, CLOSED TOILET, K-3505-SS, VITEOUS CHINA, EQUIPPED WITH SLOAN FLUSHMATE POLISHED CHROME LEFT HANDED LEVER, WITH ANTIMICROBIAL FINISH, WHITE IN COLOR, CONTRACTOR TO SUPPLY OPEN FRONT SEAT, TO MATCH. THE TOILET IS ASME A112.19.2/CSA B45.1 AND ADA COMPLIANT

KOHLER SOHO K-2084-0 WHITE 20" X 18" WALL-MOUNT BATHROOM SINK WITH SINGLE FAUCET HOLE KOHLER KUMIN K-98827-4-CP POLISHED CHROME SINGLE-HANDLE BATHROOM SINK FAUCET

SK-2

KOHLER PROLOGUE K-31465-1-NA UNDERMOUNT DOUBLE-EQUAL KITCHEN SINK; 33" X 22" X 9". PROVIDE WITH KOHLER SIMPLACE SINGLE-HOLE KITCHEN SINK FAUCET WITH 16-5/8" PULL-DOWN SPOUT, DOCKNETIK MAGNETIC DOCKING SYSTEM, AND A 3-FUNCTION SPRAYHEAD; POOLISHED CHROME FINISH

SK-3

KOHLER KATHRYN K-2297-0 UNDERMOUNT BATHROOM SINK; 23-7/8" X 15-5/8" X 6-1/4" WHITE. PROVIDE WITH KOHLER KUMIN K-98827-4-CP POLISHED CHROME SINGLE-HANDLE BATHROOM SINK FAUCET

SS-1 SERVICE SINK: ONE PIECE 23"X23" FLOOR MOUNT SINGLE UTILITY SERVICE SINK WHITE BY FLORESTONE MANUFACTURER PART #FM-1 UD

SH-1

ADA SHOWER: 60"X32" OR 36"X36" ADA LINEAR DRAIN ROLL-IN SHOWER, LEFT OR RIGHT SEAT, SEE PLAN, WHITE IN COLOR, BY FREEDOM SHOWERS OR EQUIVALENT

FLOOR DRAIN FD-1

ASME A112.21.1; LACQUERED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, REVERSIBLE CLAMPING COLLAR, AND 6 INCH DIAMETER, ROUND, ADJUSTABLE NICKEL-BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION AT ALL LOCATIONS SHOWN ON PLANS, AND AS REQUIRED BY CODE.

WATER HEATER WH-1

RHEEM 40 GALLON ELECTRIC OR GAS WATER HEATER - PROFESSIONAL PRESTIGE MODEL #PROPE40T2RH95EC2

WATER HEATER WH-2

RHEEM 20 GALLON ELECTRIC PROFESSIONAL CLASSIC SERIES: POINT-OF-USE MODEL #PROE201RHPOU

PLUMBING NOTES

FITTINGS, TRIM, AND ACCESSORIES

- BACK/OPEN FRONT, LESS COVER, AND HAVING BRASS CHECK HINGE.
- B. SUPPLIES AND STOPS FOR LAVATORIES AND SINKS: POLISHED CHROME-PLATED, LOOSE-KEYED ANGLE STOP HAVING 1/2" INLET AND 3/8" O.D. X 12" LONG CHROME-PLATED BRASS TUBING OUTLET, AND WALL FLANGE AND ESCUTCHEON. C. TRAPS: BRASS, CHROME PLATED ADJUSTABLE "P" TRAP WITH CLEANOUT AND WASTE TO
- WALL WITH ESCUTCHEON. THERMOSTATIC MIXING VALVE FOR INDIVIDUAL LAVS OR SINKS: CONFORM TO ASSE
- STANDARD 1070 WITH HIGH LIMIT SET AT 110°F WITH CHECKSTOPS ON INLETS. WATTS SERIES USG-B UNDER SINK GUARDIAN OR EQUAL BARRIER-FREE LAVATORY TRAP WRAP: PROVIDE ADA-CONFORMING, WHEELCHAIR
- ACCESSIBLE LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLY PROTECTIVE PIPE COVER. COVER SHALL BE SECURED WITH SNAP-CLIP FLUSH REUSABLE FASTENERS, ANGLE STOP SHALL HAVE LOCK-LID LOCKING ACCESS COVERS. TRUE-BRO LAV GUARD OR EQUAL.
- IN LOCATIONS WHERE ARCHITECT IS PROVIDING A BELOW COUNTER BARRIER-FREE COUNTERTOP BASIN SHIELD, PROVIDE OFFSET TAILPIECE TO ALLOW FOR INSTALLATION OF ARCHITECTURAL SHIELD / AVOID CONFLICT WITH SINK TAILPIECE. ELKAY LKAD/LKAD18 OR EQUAL.

INSTALLATION

- A. INSTALL PLUMBING FIXTURES LEVEL AND PLUMB, IN ACCORDANCE WITH FIXTURE MANUFACTURER'S WRITTEN INSTRUCTIONS, ROUGH-IN DRAWINGS, AND PERTINENT CODES AND REGULATIONS, THE ORIGINAL DESIGN, AND THE REFERENCED STANDARDS.
- COMPLY WITH THE INSTALLATION REQUIREMENTS OF REQUIRED CODES AND STANDARDS WITH RESPECT TO BARRIER-FREE PLUMBING FIXTURES. COORDINATE WITH GRAB BAR INSTALLATIONS.
- INSTALL COUNTER TOP MOUNTED SINKS AS FAR FORWARD AS POSSIBLE WITHIN COUNTER TOP.
- D. FASTEN PLUMBING FIXTURES SECURELY TO SUPPORTS OR BUILDING STRUCTURE. SECURE SUPPLIES BEHIND OR WITHIN WALL CONSTRUCTION TO PROVIDE RIGID INSTALLATION. INSTALL A STOP VALVE IN AN ACCESSIBLE LOCATION IN THE WATER CONNECTION TO EACH
- FIXTURE. F. INSTALL ESCUTCHEONS AT EACH WALL, FLOOR, AND CEILING PENETRATION IN EXPOSED
- FINISHED LOCATIONS AND WITHIN CABINETS AND MILLWORK. G. SEAL FIXTURES TO WALLS AND FLOORS USING SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR.
- H. INSTALL FLUSH VALVES FOR WATER CLOSETS IN OFF-SET TYPE BARRIER-FREE STALLS WITH HANDLES ON WIDE SIDE OF STALL INSTALL THERMOSTATIC MIXING VALVE FOR INDIVIDUAL LAVS OR SINKS BENEATH FIXTURE
- IN A VISUALLY CONCEALED LOCATION ROUGH-IN SCHEDULE

LINE SIZES INDICATED BELOW ARE RUN-OUT SIZES, REDUCE SIZE AS REQUIRED AT CONNECTION TO FIXTURE. MAIN LINES SHALL BE INSTALLED AS INDICATED ON DRAWINGS.

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
LAVATORY	1/2"	1/2"	2"	2"
SINK	1/2"	1/2"	1 1/2"	2"
WATER CLOSET TANK	-	1/2"	4"	2"
MOP BASIN	3/4"	3/4"	3"	1 1/2
NON-FREEZE HYDRANT	-	3/4"	-	-
HOSE BIBB	-	3/4"	-	-

MOUNTING HEIGHTS SCHEDULE MOUNT PLUMBING FIXTURES AS SCHEDULED BELOW.

FIXTURE	MOUNTING HEIGHT
LAVATORY	31" FLOOR TO RIM
SINK	36" FLOOR TO RIM
BARRIER-FREE LAVATORIES AND SINK	REFER TO ARCH. DRAWINGS FOR EXACT LOCATION
	and heights (max 34" a.f.f. to rim)
BARRIER FREE WATER CLOSET	17" FLOOR TO TOP OF SEAT
	27" FLOOR TO BOTTOM EDGE OF FRONT APRON
BARRIER FREE FLUSH VALVES	44" MAX HANDLE TO FLOOR
Shower head	72" FLOOR TO HEAD

MIN. 38" ABOVE FLOOR, MAX 48" ABOVE FLOOR

BARRIER FREE SHOWER CONTROLS BARRIER FREE SHOWER SPRAY UNIT

BOTTOM MAX 48" ABOVE FLOOR TOP MIN. 72" ABOVE FLOOR SLIDE BAR

*SEE MOUNTING HEIGHTS + ABBREVIATIONS SHEET FOR VISUALS

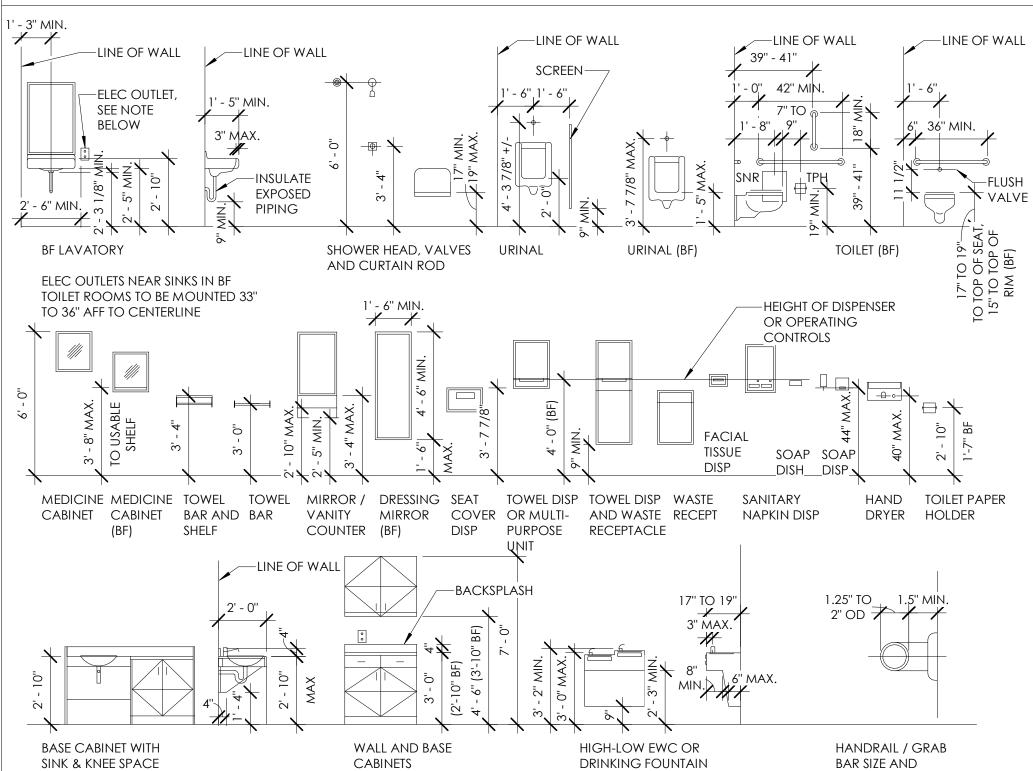
PLUMBING SPECIALTIES

A. CALIBRATED BALANCING VALVES: PROVIDE AS INDICATED, CALIBRATED BALANCE VALVES EQUIPPED WITH VALVES ON READOUT PORTS TO FACILITATE CONNECTING OF DIFFERENTIAL PRESSURE METER TO BALANCE VALVES. READOUT VALVES SHALL HAVE 1/4" NPT CONNECTION FOR METERS. PROVIDE CALIBRATED NAMEPLATE TO INDICATED DEGREE OF CLOSURE OF ORIFICE. CONSTRUCT BALANCING VALVE WITH INTERNAL SEALS TO PREVENT LEAKAGE AROUND ROTATING ELEMENT. VALVES TO HAVE MEMORY STOP FEATURE TO ALLOW VALVE TO BE CLOSED AND THEN REOPENED TO SET POINT WITHOUT DISTURBING BALANCING POSITION. PROVIDE BALANCE VALVES WITH PERFORMED POLYURETHANE INSULATION SUITABLE FOR USE ON DOMESTIC HOT WATER SYSTEMS, AND TO PROTECT BALANCE VALVES

DURING EQUIPMENT. BELL & GOSSETT "CIRCUIT SETTER" APOLLO VALVES OR EQUAL RECESSED NONFREEZE WALL

- HYDRANTS: CAST-BRONZE BOX, WITH TEE HANDLE KEY, VACUUM BREAKER, HINGED LOCKING COVER, 3/4" IN INLET, AND HOSE OUTLET. PROVIDE BRONZE CASING OF SUITABLE LENGTH TO HAVE VALVE BODY INSIDE BUILDING, NOT WITHIN EXTERIOR WALL. "WOODFORD" MODEL B67,
- "CONBRACO" OR EQUAL. BACKFLOW PREVENTER: REDUCED-PRESSURE-PRINCIPLE ASSEMBLY CONSISTING OF SHUTOFF VALVES ON INLET AND OUTLET AND STRAINER ON INLET. ASSEMBLIES SHALL INCLUDE TEST COCKS, AIR GAP DRAIN FITTING AND PRESSURE-DIFFERENTIAL RELIEF VALVE LOCATED BETWEEN 2 POSITIVE SEATING CHECK VALVES AND COMPLY WITH REQUIREMENTS OF ASSE STANDARD 1013. PRESSURE DROP THROUGH ASSEMBLY SHALL NOT EXCEED 12 PSIG. "WATTS" NO. 909 SERIES, FEBCO, APOLLO VALVES.

PLUMBING FIXTURES MOUNTING HEIGHTS



GENERAL PLUMBING NOTES . ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AND LAWS. 2. ARRANGE AND PAY FOR ALL PERMITS AND INSPECTIONS AS REQUIRED.

- 3. ALL WORK SHALL BE PERFORMED TO FACILITATE EXPEDITIOUS PROGRESS ON THE WHOLE PROJECT. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE AND RESOLVE POTENTIAL CONFLICTS.
- 4. COMPLETED SYSTEMS SHALL BE TESTED, BALANCED, AND GUARANTEED, PROVIDE REPORT TO A/E.
- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL PROVIDE FITTINGS, OFFSETS, ETC., AS NECESSARY TO PROVIDE COMPLETE SYSTEMS.
- . FURNISH AND INSTALL ALL VALVING FOR THE PROPER SECTIONALIZING AND OPERATION OF PIPING SYSTEMS. PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES.
- ALL PIPES PASSING THROUGH FINISHED WALLS, PARTITIONS, AND FLOORS SHALL BE FITTED WITH ADJUSTABLE ESCUTCHEONS, AND APPROPRIATE FIRE STOPPING WHERE REQUIRED.
- 8. ATTACH ALL FIXTURES TO SUPPORTING SURFACES PLUMB AND LEVEL. WALL HUNG UNITS SHALL BE SECURELY FASTENED TO WALL BACKING. PROVIDE CHAIR CARRIERS FOR ALL LAVATORIES . WHERE FIXTURES ARE MOUNTED TO WALLS AND FLOORS, SEAL ALL INTERSECTIONS WITH DOW WHITE
- SILICONE CAULK. 10. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY DETAIL OF CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS NECESSARY FOR A COMPLETE CODE COMPLYING SYSTEM.
- 11. FINAL LOCATION OF ALL CEILING FEATURES NEEDS TO BE COORDINATED WITH ALL TRADES.
- 12. PROVIDE APPROPRIATE FIRE STOPPING MATERIALS WHERE FIRE RATED ASSEMBLIES ARE PENETRATED.
- 13. ALL WORK AND MATERIALS SHALL BE GUARANTEED IN WRITING FOR ONE YEAR FROM PROJECT COMPLETION.
- 14. PROVIDE SHOP DRAWINGS FOR APPROVAL OF PLUMBING FIXTURES, ROOF TOP UNITS, GRILLES AND REGISTERS, FANS, WATER HEATERS, AND THERMOSTATS.
- 15. MECHANICAL CONTRACTOR TO FIELD VERIFY ALL SITE LOCATIONS.
- 16. SLOPE ALL NEW SANITARY PIPING A MIN. OF 1/8" PER FOOT.
- 17. SANITIZE ALL NEW HOT & COLD WATER LINES PER LOCAL WATER DEPARTMENT REQUIREMENTS. FLUSH AND TEST SYSTEM FOR LEAKS. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROPER LEAK-FREE OPERATION OF SYSTEM. SOLDER JOINTS WITH NON-LEAD SOLDER.
- 18. PROVIDE DI-ELECTRIC FITTINGS WHERE DISSIMILAR METALS ARE CONNECTED.
- 19. SUPPLY ALL NECESSARY TRIM, P-TRAPS, AND ANGLE STOPS AT EACH PLUMBING FIXTURE.
- 20. DISTRIBUTE HOT & COLD WATER PIPING IN TYPE "L" HARD DRAWN COPPER TUBING, ASTM B 88, TO MEET MINIMUM CONNECTION SIZE REQUIREMENTS AS SHOWN ON THE PLUMBING FIXTURE CONNECTION SCHEDULE.
- 21. INSULATE ALL COLD WATER LINES WITH 1" MINERAL FIBER INSULATION WITH VAPOR BARRIER. INSULATE ALL HOT WATER LINES WITH 1" FIBERGLASS.
- 22. DRAIN, VENT AND WASTE PIPING SHALL BE SCHEDULE DWV PVC. CLEAN OUTS IN FINISHED AREAS SHALL BE RECESSED AND HAVE CHROME OR BRASS COVER PLATES FLUSH WITH THE FINISHED FLOOR.
- 23. PROVIDE SHUTOFF VALVES ON HOT & COLD WATER BRANCH PIPING TO ISOLATE BRANCH.
- 24. PROVIDE CLEAN OUTS INSIDE AND OUTSIDE THE BUILDING 100 FEET APART, AND AT LOCATIONS WHERE A CHANGE IN DIRECTION GREATER THAN 45 DEGREES OCCURS.
- 25. INSTALL EACH FIXTURE WITH TRAP, EASILY REMOVABLE FOR SERVICE AND CLEANING. 26. AT EACH BARRIER FREE WATER CLOSET WITH FLUSH VALVE, INSTALL THE HANDLE TOWARD THE "OPEN" SIDE OF THE WATER CLOSET STALL.
- 27. INSTALL POTABLE WATER PROTECTION DEVICES ON PLUMBING LINES WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR, ON JANITOR ROOMS, FIRE SPRINKLER SYSTEMS, AND FLUSH VALVES.
- 28. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
- 29. FURNISH AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PDI WH201.
- 30. LAY OUT PLUMBING WORK TO AVOID CONFLICTS WITH OTHER BUILDING COMPONENTS. ESTABLISH ELEVATION OF PUBLIC SEWER SYSTEM.

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WALL SPACING



ARCHITECT

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PROJECT NAME 708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI **KYLE GULAU**

CONSTRUCTION DOCUMENTS

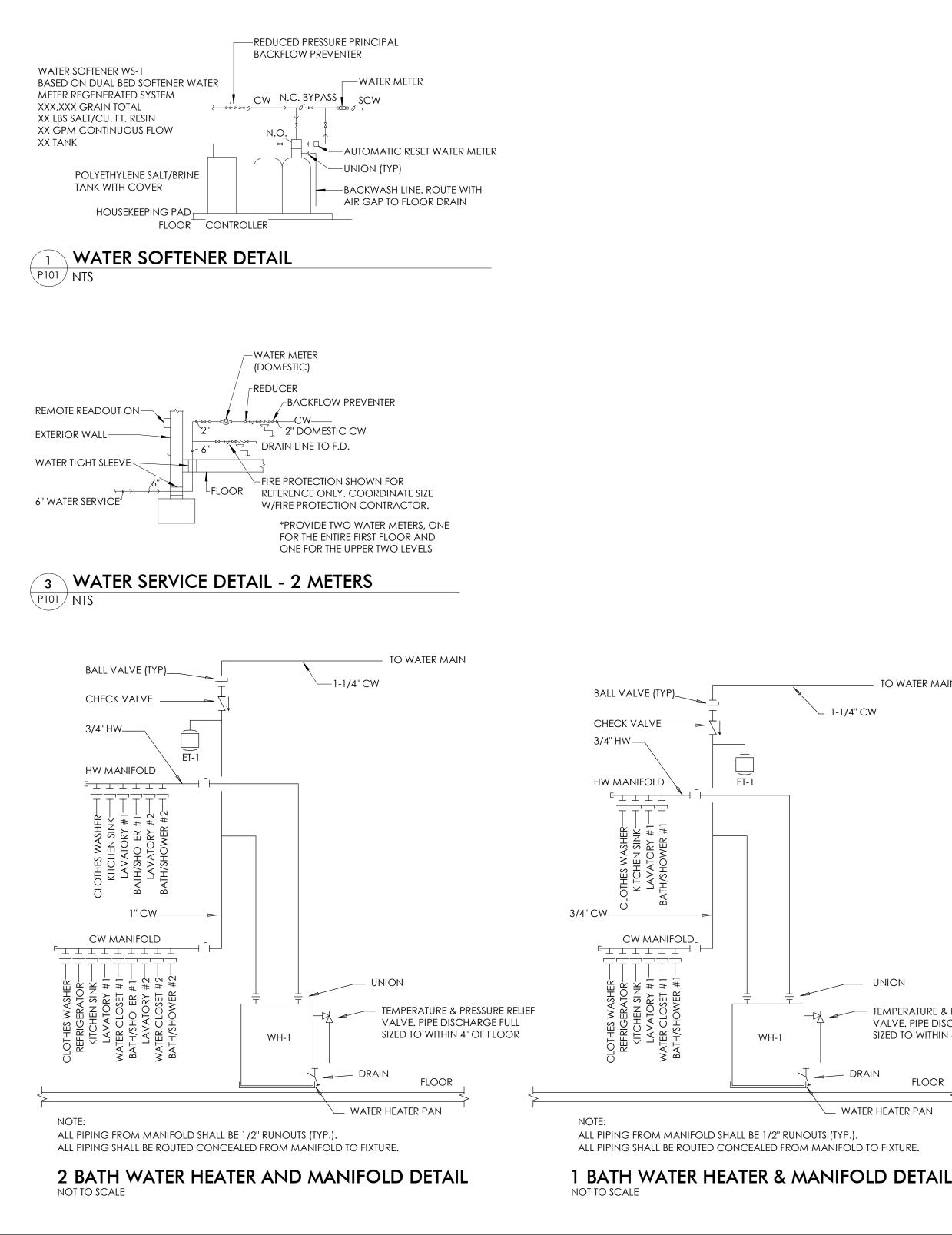
REVISION

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PROJECT NUMBER 2022.034

PLUMBING NOTES

P100



TEMPERATURE & PRESSURE RELIEF

VALVE. PIPE DISCHARGE FULL

SIZED TO WITHIN 4" OF FLOOR

DRAIN FLOOR – WATER HEATER PAN

UNION

TO WATER MAIN

– 1-1/4" CW

PLUMBING GENERAL NOTES

ENGINEER FOR REVIEW BEFORE INSTALLATION.

ENGINEER AND NO ADDITIONAL COST TO THE OWNER.

CHANGE ORDERS SHALL NOT EXCEED 10%.

ANY SIGNS OF CORROSION.

INSTALLER ERROR OR DAMAGE.

GREATER THAN THE ASSEMBLY PENETRATED.

SHALL BE OFF-SET AS REQUIRED.

FIRE RATED SEALANT WHERE REQUIRED.

LETTERING ONE INCH(1") TALL (MINIMUM).

30. INSULATE HOT WATER AND WASTE PIPING UNDER LAVATORIES.

HOT WATER PIPING FROM 1¹/₂" TO 4" PIPING SIZE.

RECEIVER PANS, AND ALL HORIZONTAL RUNS.

INLINE FLOOR DRAIN TRAP SEALER, MODEL SS3000)

GROUND, WITHIN BUILDING.

DRAINS AND SUPPLIES WITH STOPS.

DUCTWORK, CONDUITS, ETC.

POCKETING OF LIQUIDS.

TRADES.

SHIFT

FILTERS, ETC.

REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.

MATERIAL STORAGE.

AUTHORITY HAVING JURISDICTION

ALL WORK AND EQUIPMENT PROVIDED AND PERFORMED ON THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, ETC OF ANY AND ALL AUTHORITIES HAVING JURISDICTION INCLUDING, BUT NOT LIMITED TO: 2015 MICHIGAN PLUMBING CODE, THE

LOCAL FIRE MARSHALL, UNDERWRITERS LABORATORIES, IRI, FM, LOCAL HEALTH DEPARTMENT, OSHA, MIOSHA. ANY MODIFICATIONS REQUIRED BY ANY OF THE ABOVE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. WHERE THE CONTRACT DOCUMENTS EXCEED THE CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL BE

FOLLOWED. DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY THE LOCAL

JOBSITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE TOP. ON SITE A QUALIFIED FOREMAN OVERSEEING ALL ASPECTS OF THE CONSTRUCTION.

ENGINEER AND ARCHITECT IS NOT RESPONSIBLE FOR JOBSITE SAFETY. ANY HOISTS, LIFTS, OR SPECIAL EQUIPMENT REQUIRED TO SAFELY COMPLETE THE PROJECT THE BID SHALL INCLUDE ALL LABOR AND MATERIALS ESSENTIAL TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM AS DESCRIBED IN THE CONTRACT DOCUMENTS. IN CASES OF DOUBT AS TO WORK INTENDED THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY

INFORMATION AT LEAST FIVE(5) DAYS PRIOR TO BIDDING. ONCE CONTRACT IS AWARDED ANY DISPUTES AS TO THE INTENT OF THE DESIGN SHALL BE RESOLVED AS DIRECTED BY THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK FOR WHICH ADDITIONAL

COMPENSATION IS EXPECTED WITHOUT A WRITTEN CHANGE-ORDER SIGNED BY THE ENGINEER. ADDITIONAL COMPENSATION WILL NOT BE GIVEN WITHOUT A SIGNED, WRITTEN, CHANGE-ORDER. CHANGE-ORDER FORMS MAY BE REQUESTED FROM THE ENGINEER OR CONTRACTOR MAY USE THEIR OWN FORM. CHANGE-ORDER MUST INCLUDE DESCRIPTION OF CHANGE, REASON FOR CHANGE, AND COST BREAKDOWN SHOWING ITEMIZED MATERIAL COSTS, LABOR TIME AND RATE AND SEPARATELY LISTED OH&P. OH&P FOR

A SET OF AS-BUILT DOCUMENTS SHALL BE KEPT ON THE JOB SITE, ACCESSIBLE TO ALL TRADES.

CONTRACTOR SHALL MAINTAIN THE AS-BUILT DRAWINGS DAILY INDICATING ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL MAINTAIN

COMMUNICATION WITH ALL OTHER TRADES AND REVIEW AS-BUILT DOCUMENTS OF ALL TRADES ON A REGULAR BASIS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING

WITH ALL TRADES DURING CONSTRUCTION AND FOR NOTIFYING THE ENGINEER OF ANY CHANGES THAT WILL NEED TO BE MADE AS SOON AS THEY ARE IDENTIFIED.

ALL PRODUCTS AND MATERIALS USED SHALL BE NEW AND "BEST OF ITS KIND." PRODUCTS AND MATERIALS SHALL BE PROTECTED FROM CONSTRUCTION AND WEATHER DAMAGE.

CONTRACTOR SHALL NOT INSTALL ANY COMPONENT THAT IS DAMAGED, DIRTY, OR SHOWS THE CONTRACTOR IS RESPONSIBLE, AT HIS OWN COST, FOR WAREHOUSING OF MATERIAL

AND EQUIPMENT TO BE INSTALLED ON THIS PROJECT. COORDINATE WITH THE BUILDING OWNER AN/OR GENERAL CONTRACTOR FOR SPACE AVAILABLE ON THE JOB SITE FOR

10. ONE COPY OF SHOP DRAWINGS SHALL BE SUBMITTED DIGITALLY FOR THE ITEMS LISTED BELOW WITHIN 2 WEEKS OF AWARD OF CONTRACT AND A MINIMUM OF 2 WEEKS PRIOR TO INSTALLATION. CONTRACTOR SHALL NOT ORDER EQUIPMENT UNTIL SHOP DRAWINGS HAVE BEEN PROCESSED BY THE ENGINEER. SHOP DRAWINGS SHALL BE REVIEWED BY THE

CONTRACTOR AND GENERAL CONTRACTOR PRIOR TO BEING SUBMITTED TO THE ENGINEER. INCLUSION IN SHOP DRAWINGS DOES NOT AUTHORIZE A DEVIATION FROM THE

COVER SHEET ANY AND ALL PRODUCTS OR MATERIALS THAT DEVIATE FROM SPECIFICATIONS. DETERMINATION OF "EQUAL" SHALL BE MADE BY ENGINEER. AT A

MINIMUM SHOP DRAWINGS SHALL BE SUBMITTED FOR: FIXTURES, DRAINS AND ACCESSORIES. . AT PROJECT COMPLETION PROVIDE TO THE BUILDING OWNER THREE(3) BOUND SETS TO INCLUDE ALL O&M MANUALS FOR EQUIPMENT INSTALLED AND COPIES OF ALL

MANUFACTURER WARRANTIES. CONTRACTOR SHALL COMPLETE ANY WARRANTY REGISTRATION CARDS NECESSARY FOR MANUFACTURER WARRANTIES.

12. CONTRACTOR SHALL PROVIDE A ONE(1) YEAR WARRANTY FOR ALL WORK PERFORMED. THIS INSTALLERS WARRANTY SHALL COVER ALL MATERIAL AND EQUIPMENT NOT COVERED BY A MANUFACTURER WARRANTY AND ALL LABOR. THIS WARRANTY SHALL ALSO COVER

13. ALL WORK ON THIS PROJECT SHALL BE EXECUTED IN A GOOD, WORKMAN LIKE MANNER USING MECHANICS SKILLED IN THEIR RESPECTIVE TRADES. NO ALLOWANCE WILL BE GIVEN FOR POOR WORKMANSHIP. ANY INSTALLATION THAT IS OF INSUFFICIENT QUALITY SHALL BE

14. WORK SITE IS TO BE LEFT IN A NEAT AND ORDERLY CONDITION AT THE END OF EACH WORK

15. CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY OWNER FURNISHED EQUIPMENT. CONTRACTOR SHALL RECEIVE ANY OWNER FURNISHED ITEMS WHEN DELIVERED TO THE JOB SITE AND SHALL BE RESPONSIBLE FOR THE ITEMS ONCE RECEIVED.

16. PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED USING CODE APPROVED, LABORATORY TESTED AND LABELED SEALANTS FOR A FIRE RESISTANCE RATING EQUAL TO OR

7. NEW DUCTWORK, PIPING, AND CONDUIT SHALL BE INSTALLED AS HIGH AS POSSIBLE. CONTRACTOR SHALL COORDINATE DUCTWORK, PIPING AND CONDUITS WITH LIGHTING FIXTURES, CEILING CONSTRUCTION, STRUCTURE AIR DISTRIBUTION EQUIPMENT, ETC., AND

18. ALL PIPING TO BE INSTALLED PERPENDICULAR TO STRUCTURE LINES UNLESS OTHERWISE NOTED ON DRAWINGS. ALL PIPING TO BE NEATLY SPACED WITH RISERS AND DROPS PLUMB AND TRUE. MINIMUM SPACING SHALL HAVE 1" CLEAR BETWEEN PIPING (INCLUDING FITTINGS) AFTER INSULATION. PIPING SHALL NOT OBSTRUCT ACCESS TO EQUIPMENT, VALVES,

19. ALL PIPING TO BE INSTALLED CONCEALED EXCEPT WHERE NOTED ON PLANS. DO NOT INSTALL PIPING BELOW SLABS EXCEPT WHERE NOTED ON PLANS. DO NOT CONCEAL PIPING UNTIL INSPECTED AND TESTED. PNEUMATIC TESTING OF ALL PIPING IS REQUIRED. 20. ALL PIPING THAT PENETRATES CONCRETE SLABS OR MASONRY WALLS SHALL BE PROVIDED WITH A PIPE SLEEVE WITH AN I.D. MINIMUM 1" LARGER THAN O.D. OF PIPE. SLEEVES SHALL PROTRUDE 2" AFF AND FLUSH WITH WALL SURFACE. IF PIPE SLEEVES ARE NOT POURED-IN-

PLACE, GROUT SECURELY TO WALL OR SLAB. SEAL SPACE BETWEEN PIPE AND SLEEVE. USE 21. PROVIDE ALL PIPING OFF-SETS AS REQUIRED FOR COORDINATION WITH STRUCTURE,

22. ALL PIPING AND VALVES SHALL BE LABELED WITH ENGRAVED TAGS OR PLACARDS WITH

23. USE ECCENTRIC REDUCING FITTINGS OR COUPLINGS WHERE REQUIRED TO PREVENT THE 24. VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD. 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING

FIXTURES. THIS INCLUDES, BUT NOT LIMITED TO FURNISHINGS AND INSTALLING ALL TRAPS, 26. THE CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL

NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS VENTS, EQUIPMENT, ETC. 27. COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER

28. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, FOR ALL REQUIRED OPENINGS AND EXCAVATIONS. 29. ALL ITEMS PROJECTING THROUGH ROOFS SHALL BE FLASHED, A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKE

31. PIPE INSULATION SHALL BE PER ASHRAE 90.1-2013. MINIMUM 1" FIBERGLASS INSULATION (2LB, FIRE/SMOKE 25/50) ON ALL DOMESTIC COLD WATER PIPING. 1" INSULATION ON DOMESTIC HOT WATER PIPING FOR PIPING BELOW 11/2" IN SIZE AND 1.5" INSULATION FOR DOMESTIC

32. STORM PIPE INSULATION SHALL BE MINIMUM 1" FIBERGLASS INSULATION (2LB, FIRE/SMOKE 25/50) ON THE FOLLOWING: INTERIOR ABOVE-GROUND STORM WATER PIPING, VERTICAL UP TO ROOF DRAINS AND OVERFLOW ROOF DRAINS, INCLUDING DRAIN BODY, SUMP

33. PROVIDE STOPS AND SHOCK ABSORBERS AT EACH FIXTURE GROUP. 34. PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS AND APPLIANCES WITH DIRECT CONNECTIONS TO DOMESTIC WATER.

35. LAVATORY FAUCETS SHALL LIMIT HOT WATER FLOW TO 0.5 GPM AND HOT WATER TEMPERATURE TO 110°F PROVIDE SELF-CLOSING VALVES W/ SHUTOFF. 36. PROVIDE TRAP SEAL ON ALL AREA FLOOR DRAINS SUBJECT TO EVAPORATION. (SURE SEAL

37. DOMESTIC WATER LINES SHALL BE RUN IN ASTM B 88, TYPE L, DRAWN COPPER TUBE WITH ANSI B16.22 WROUGHT COPPER FITTINGS, ASME B16.18 UNIONS SUITABLE FOR SYSTEM FLUID TYPE, PRESSURE AND TEMPERATURE AND ASTM B 32, No-lead SOLDER JOINTS FOR PIPE SIZES 2 INCHES AND SMALLER, ABOVE GROUND, WITHIN BUILDING. FOR SIZES 21/2 INCHES AND LARGER TYPE L COPPER WITH SOLDERED OR MECHANICAL JOINT FITTINGS, ABOVE

DRAINAGE AND VENT PIPE APPLICATIONS - ABOVE AND BELOW GROUND, WITHIN BUILDING: SCHEDULE 40 PVC TYPE DWV PLASTIC PIPE AND FITTINGS. JOINING AND INSTALLATION OF PVC DWV DRAINAGE PIPE AND FITTINGS SHALL CONFORM TO ASTM D 2855 AND ASTM F 402.

PLUMBING GENERAL NOTES (CONT.)

INSTALL PLUMBING FIXTURES LEVEL AND PLUMB, IN ACCORDANCE WITH FIXTURE MANUFACTURER'S WRITTEN INSTRUCTIONS, ROUGH-IN DRAWINGS, AND PERTINENT CODES AND REGULATIONS, THE ORIGINAL DESIGN, AND THE REFERENCED STANDARDS. COMPLY WITH THE INSTALLATION REQUIREMENTS OF REQUIRED CODES AND STANDARDS

WITH RESPECT TO BARRIER-FREE PLUMBING FIXTURES. COORDINATE WITH GRAB BAR INSTALLATIONS. 4. INSTALL COUNTER TOP MOUNTED SINKS AS FAR FORWARD AS POSSIBLE WITHIN COUNTER

5. FASTEN PLUMBING FIXTURES SECURELY TO SUPPORTS OR BUILDING STRUCTURE. SECURE

SUPPLIES BEHIND OR WITHIN WALL CONSTRUCTION TO PROVIDE RIGID INSTALLATION. 6. SET MOP BASINS IN A LEVELING BED OF CEMENT GROUT. SHALL BE PROVIDED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED ON THE DRAWINGS. 7. INSTALL A STOP VALVE IN AN ACCESSIBLE LOCATION IN THE WATER CONNECTION TO EACH

FIXTURF 8. INSTALL ESCUTCHEONS AT EACH WALL, FLOOR, AND CEILING PENETRATION IN EXPOSED FINISHED LOCATIONS AND WITHIN CABINETS AND MILLWORK.

9. SEAL FIXTURES TO WALLS AND FLOORS USING SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR. 10. INSTALL FLUSH VALVES FOR WATER CLOSETS IN OFF-SET TYPE BARRIER-FREE STALLS WITH

HANDLES ON WIDE SIDE OF STALL. 11. SHOWER CONTROLS FOR INDIVIDUAL BARRIER-FREE SHOWERS SHALL BE LOCATED ON SAM

WALL AS SHOWERHEAD SUPPORT BAR. 12. INSTALL THERMOSTATIC MIXING VALVE FOR INDIVIDUAL LAVS OR SINKS BENEATH FIXTURE. A VISUALLY CONCEALED LOCATION.

13. DOMESTIC WATER PIPING APPLICATIONS: INSTALL TYPE L, DRAWN COPPER TUBE WITH WROUGHT COPPER FITTINGS AND SOLDER JOINTS FOR ALL PIPE SIZES, ABOVE GROUND WITHIN BUILDING.

14. MAKE CHANGES IN DIRECTION FOR DRAINAGE AND VENT PIPING USING APPROPRIATE 45 DEGREE WYES, HALF-WYES, OR LONG SWEEP QUARTER, SIXTH, EIGHTH, OR SIXTEENTH BENDS SANITARY TEES OR SHORT QUARTER BENDS MAY BE USED ON VERTICAL STACKS OF DRAINAGE LINES WHERE THE CHANGE IN DIRECTION OF FLOW IS FROM HORIZONTAL TO VERTICAL, EXCEPT USE LONG-TURN TEES, WHERE TWO CROSSES MAY BE USED ON VENT LINES. NO CHANGE IN DIRECTION OF FLOW IS GREATER THAN 90 DEGREES SHALL BE MADE WHERE DIFFERENT SIZES OF DRAINAGE PIPES AND FITTINGS ARE CONNECTED, USE PROPER SIZE, STANDARD INCREASERS AND REDUCERS. REDUCTION OF THE SIZE OF DRAINAGE PIPING IN THE DIRECTION OF FLOW IS PROHIBITED.

15. INSTALL BUILDING DRAIN PITCHED DOWN AT MINIMUM SLOPE OF ¹/₄ INCH PER FOOT (2) PERCENT) FOR PIPING 2 ½ INCH AND SMALLER, 1/8 INCH PER FOOT (1 PERCENT) FOR PIPINC 3 INCH TO 6 INCH, AND 1/16 INCH PER FOOT, (1/2 PERCENT) FOR PIPING 8 INCH AND LARGER.

16. REFER TO SECTION 306 OF THE 2015 MICHIGAN PLUMBING CODE FOR TRENCHING, EXCAVATION AND BACKFILL OF UNDERGROUND PIPING. 17. REFER TO SECTION 312 OF THE 2015 MICHIGAN PLUMBING CODE FOR TESTING OF

UNDERGROUND PIPING. 18. CLEANOUTS ON 6" AND SMALLER PIPES SHALL BE PROVIDED WITH A CLEARANCE OF NOT

LESS THAN 1'-6" FOR RODDING. 19. AIR ADMITTANCE VALVE TO BE INSTALLED PER SECTION 917 OF THE 2015 MICHIGAN PLUMBING CODE.

REQUIREMENTS OF THE SPECIFICATIONS. ALL SHOP DRAWINGS SHALL HAVE LISTED ON THE | 20. PROVIDE PROTECTION FOR POTABLE WATER SUPPLY PER MICHIGAN PLUMBING CODE SECTION 608. 21. SANITARY PIPE APPLICATIONS:

A. DRAINAGE AND VENT PIPE APPLICATIONS - ABOVE GROUND, WITHIN BUILDING: INSTAL PVC TYPE DWV PLASTIC PIPE AND FITTINGS OR HUBLESS CAST-IRON SOIL PIPE AND FITTINGS WITH GASKETED JOINTS.

B. DRAINAGE AND VENT PIPE APPLICATIONS - BELOW GROUND, WITHIN BUILDING: INSTA PVC TYPE DWV PLASTIC PIPE AND FITTINGS OR HUBLESS CAST-IRON SOIL PIPE AND FITTINGS WITH GASKETED JOINTS.

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708 N BURDICK STREET PROJECT ADDRESS 708 N BURDICK, KALAMAZOO, MI KYLE GULAU

PROJECT NAME

CONSTRUCTION DOCUMENTS

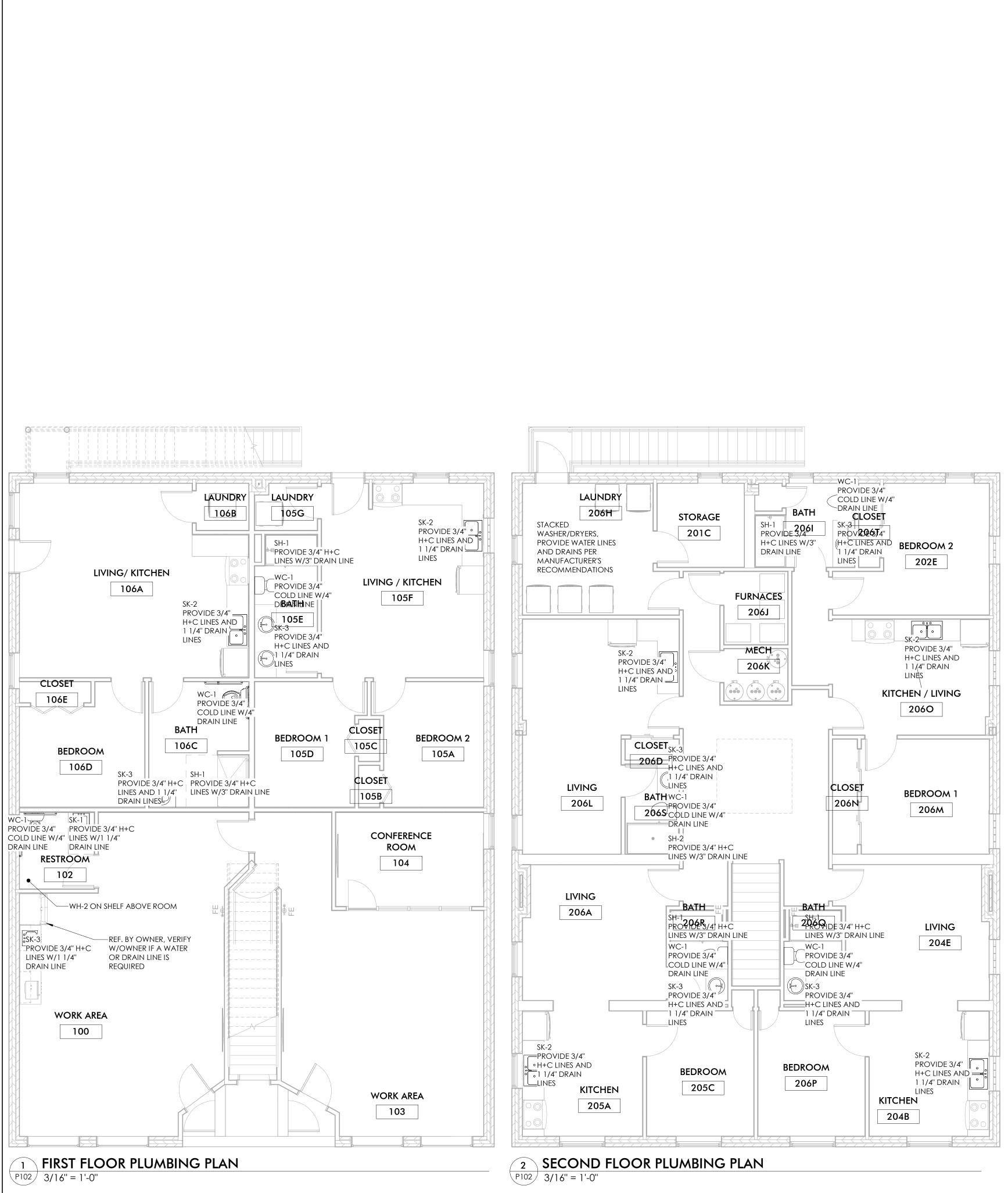
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PROJECT NUMBER 2022.034

PLUMBING DETAILS







WATER CLOSET (TANK TYPE) WC-1

WATER CLOSET (FLOOR MOUNTED): KOHLER WELLWORTH CLASSIC, TWO-PIECE ELONGATED 1.6 GF TOILET, K-3505-SS, VITEOUS CHINA, EQUIPPED WITH SLOAN FLUSHMATE POLISHED CHROME LEFT HANDED LEVER, WITH ANTIMICROBIAL FINISH, WHITE IN COLOR, CONTRACTOR TO SUPPLY OPEN FRONT SEAT, TO MATCH. THE TOILET IS ASME A112.19.2/CSA B45.1 AND ADA COMPLIANT

SK-1

KOHLER SOHO K-2084-0 WHITE 20" X 18" WALL-MOUNT BATHROOM SINK WITH SINGLE FAUCET HOL KOHLER KUMIN K-98827-4-CP POLISHED CHROME SINGLE-HANDLE BATHROOM SINK FAUCET

SK-2

KOHLER PROLOGUE K-31465-1-NA UNDERMOUNT DOUBLE-EQUAL KITCHEN SINK; 33" X 22" X 9". PROVIDE WITH KOHLER SIMPLACE SINGLE-HOLE KITCHEN SINK FAUCET WITH 16-5/8" PULL-DOWN SPOUT, DOCKNETIK MAGNETIC DOCKING SYSTEM, AND A 3-FUNCTION SPRAYHEAD; POOLISHED CHROME FINISH

PROVIDE WITH KOHLER KUMIN K-98827-4-CP POLISHED CHROME SINGLE-HANDLE BATHROOM SINK FAUCET

KOHLER KATHRYN K-2297-0 UNDERMOUNT BATHROOM SINK; 23-7/8" X 15-5/8" X 6-1/4" WHITE.

SFRV

SK-3

SERVICE SINK: ONE PIECE 23"X23" FLOOR MOUNT SINGLE UTILITY SERVICE SINK WHITE BY FLORESTONE MANUFACTURER PART #FM-1 UD

SH-1

ADA SHOWER: 60"X32" OR 36"X36" ADA LINEAR DRAIN ROLL-IN SHOWER, LEFT OR RIGHT SEAT, SEE PLAN, WHITE IN COLOR, BY FREEDOM SHOWERS OR EQUIVALENT

FLOOR DRAIN FD-1

ASME A112.21.1; LACQUERED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, REVERSIBLE CLAMPING COLLAR, AND 6 INCH DIAMETER, ROUND, ADJUSTABLE NICKEL-BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION AT ALL LOCATIONS SHOWN ON PLANS, AND AS REQUIRED BY CODE.

WATER HEATER WH-1

RHEEM 40 GALLON ELECTRIC OR GAS WATER HEATER - PROFESSIONAL PRESTIGE MODEL #PROPE40T2RH95EC2

WATER HEATER WH-2

RHEEM 20 GALLON ELECTRIC PROFESSIONAL CLASSIC SERIES: POINT-OF-USE MODEL #PROE201RHPOU

PLUMBING NOTES

GPF	1.	ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AND LAWS.
	2.	ARRANGE AND PAY FOR ALL PERMITS AND INSPECTIONS AS REQUIRED.
OLE	3.	ALL WORK SHALL BE PERFORMED TO FACILITATE EXPEDITIOUS PROGRESS ON THE WHOLE PROJECT. COORDINATE WORK WITH OTHER TRADES TO MINIMIZE AND RESOLVE POTENTIAL CONFLICTS.
	4.	COMPLETED SYSTEMS SHALL BE TESTED, BALANCED, AND GUARANTEED. PROVIDE REPORT TO A/E.
	5.	THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL PROVIDE FITTINGS, OFFSETS, ETC., AS NECESSARY TO PROVIDE COMPLETE SYSTEMS.

6. FURNISH AND INSTALL ALL VALVING FOR THE PROPER SECTIONALIZING AND OPERATION OF PIPING SYSTEMS. PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES.

- 7. ALL PIPES PASSING THROUGH FINISHED WALLS, PARTITIONS, AND FLOORS SHALL BE FITTED WITH ADJUSTABLE ESCUTCHEONS, AND APPROPRIATE FIRE STOPPING WHERE REQUIRED.
- ATTACH ALL FIXTURES TO SUPPORTING SURFACES PLUMB AND LEVEL. WALL HUNG UNITS SHALL BE SECURELY FASTENED TO WALL BACKING. PROVIDE CHAIR CARRIERS FOR ALL LAVATORIES
 WHERE FIXTURES ARE MOUNTED TO WALLS AND FLOORS, SEAL ALL INTERSECTIONS WITH DOW WHITE SILICONE CAULK.
- 10. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY DETAIL OF CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS NECESSARY FOR A COMPLETE CODE COMPLYING SYSTEM.
- 11. FINAL LOCATION OF ALL CEILING FEATURES NEEDS TO BE COORDINATED WITH ALL TRADES.
- 12. PROVIDE APPROPRIATE FIRE STOPPING MATERIALS WHERE FIRE RATED ASSEMBLIES ARE PENETRATED.
- 13. ALL WORK AND MATERIALS SHALL BE GUARANTEED IN WRITING FOR ONE YEAR FROM PROJECT COMPLETION.
- 14. PROVIDE SHOP DRAWINGS FOR APPROVAL OF PLUMBING FIXTURES, ROOF TOP UNITS, GRILLES AND REGISTERS, FANS, WATER HEATERS, AND THERMOSTATS.
- 15. MECHANICAL CONTRACTOR TO FIELD VERIFY ALL SITE LOCATIONS.
- 16. SLOPE ALL NEW SANITARY PIPING A MIN. OF 1/8" PER FOOT.
- 17. SANITIZE ALL NEW HOT & COLD WATER LINES PER LOCAL WATER DEPARTMENT REQUIREMENTS. FLUSH AND TEST SYSTEM FOR LEAKS. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROPER LEAK-FREE OPERATION OF SYSTEM. SOLDER JOINTS WITH NON-LEAD SOLDER.
- 18. PROVIDE DI-ELECTRIC FITTINGS WHERE DISSIMILAR METALS ARE CONNECTED.
- 19. SUPPLY ALL NECESSARY TRIM, P-TRAPS, AND ANGLE STOPS AT EACH PLUMBING FIXTURE.
- 20. DISTRIBUTE HOT & COLD WATER PIPING IN TYPE "L" HARD DRAWN COPPER TUBING, ASTM B 88, TO MEET MINIMUM CONNECTION SIZE REQUIREMENTS AS SHOWN ON THE PLUMBING FIXTURE CONNECTION SCHEDULE.
- 21. INSULATE ALL COLD WATER LINES WITH 1" MINERAL FIBER INSULATION WITH VAPOR BARRIER. INSULATE ALL HOT WATER LINES WITH 1" FIBERGLASS.
- 22. DRAIN, VENT AND WASTE PIPING SHALL BE SCHEDULE DWV PVC. CLEAN OUTS IN FINISHED AREAS SHALL BE RECESSED AND HAVE CHROME OR BRASS COVER PLATES FLUSH WITH THE FINISHED FLOOR.
- 23. PROVIDE SHUTOFF VALVES ON HOT & COLD WATER BRANCH PIPING TO ISOLATE BRANCH.
- 24. PROVIDE CLEAN OUTS INSIDE AND OUTSIDE THE BUILDING 100 FEET APART, AND AT LOCATIONS WHERE A CHANGE IN DIRECTION GREATER THAN 45 DEGREES OCCURS.
 25. INSTALL EACH FIXTURE WITH TRAP, EASILY REMOVABLE FOR SERVICE AND CLEANING.
- 26. AT EACH BARRIER FREE WATER CLOSET WITH FLUSH VALVE, INSTALL THE HANDLE TOWARD THE "OPEN" SIDE OF THE WATER CLOSET STALL.
- 27. INSTALL POTABLE WATER PROTECTION DEVICES ON PLUMBING LINES WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR, ON JANITOR ROOMS, FIRE SPRINKLER SYSTEMS, AND FLUSH VALVES.
- 28. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
- 29. FURNISH AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PDI WH201.
- 30. LAY OUT PLUMBING WORK TO AVOID CONFLICTS WITH OTHER BUILDING COMPONENTS. ESTABLISH ELEVATION OF PUBLIC SEWER SYSTEM.

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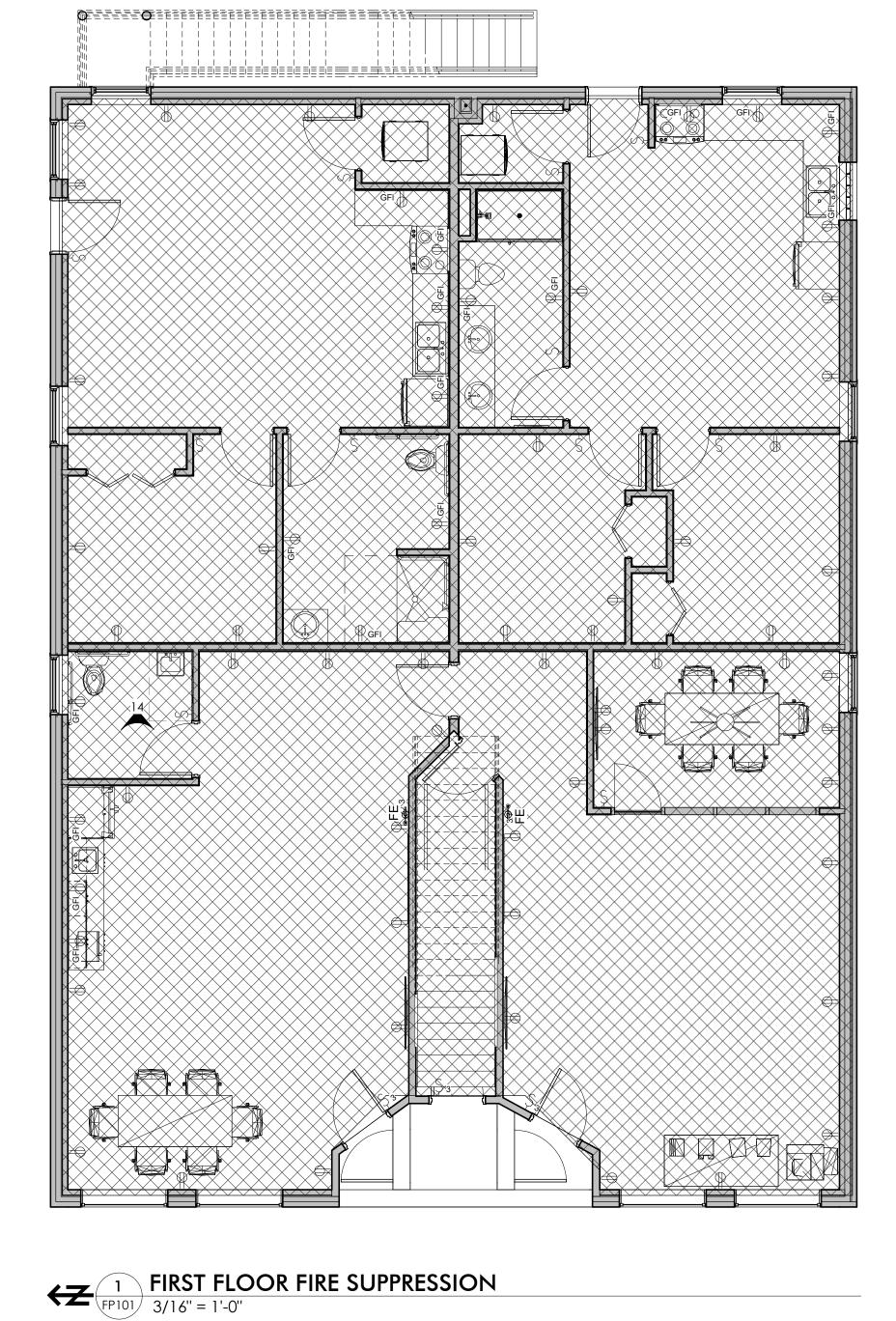
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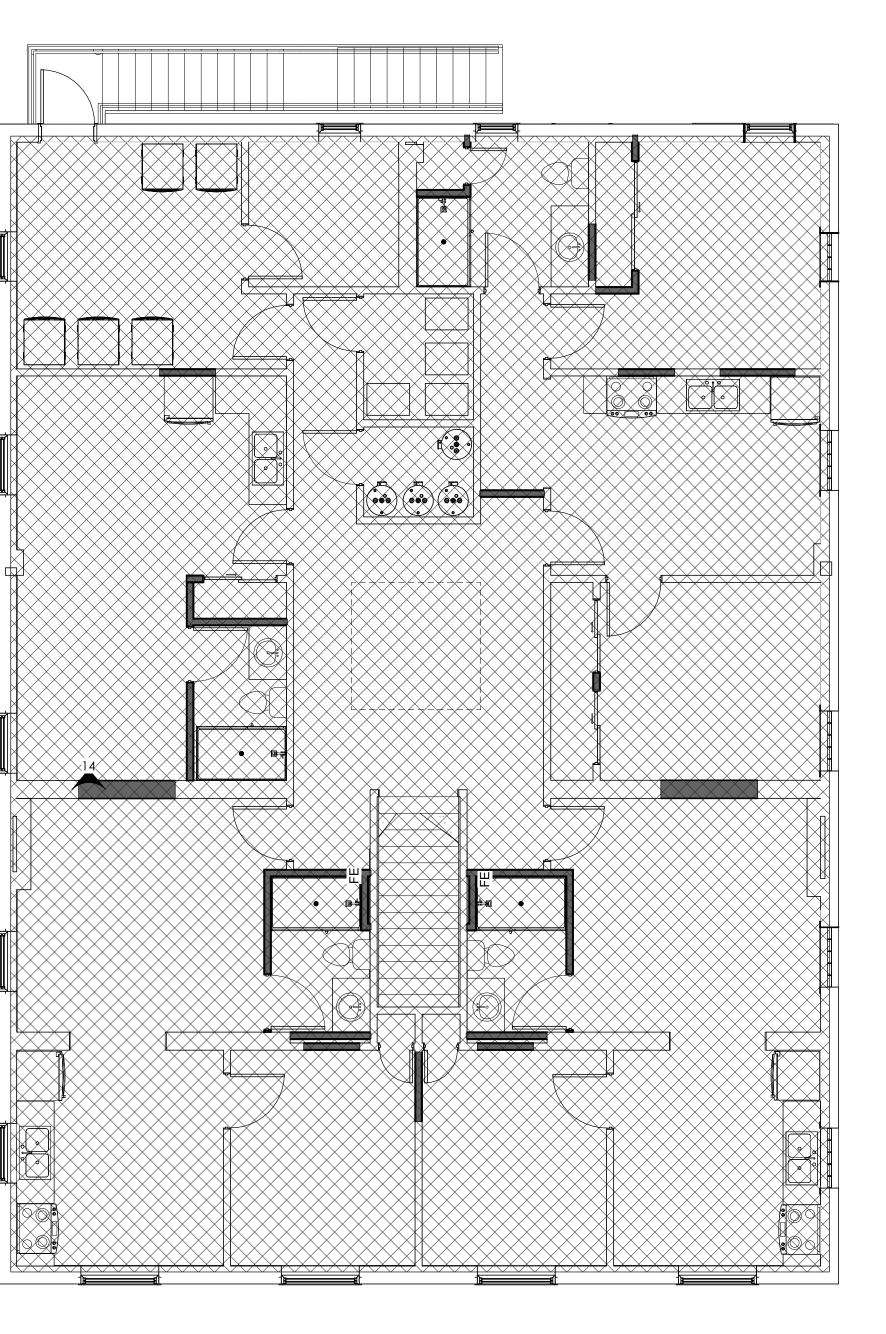
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PLUMBING PLAN

P102





EXAMPLE 2 SECOND FLOOR ELECTRICAL PLAN 3/16" = 1'-0"

FIRE SUPPRESSION NOTES

- FIRE SUPPRESSION PROVIDER TO PROVIDE A COMPLETELY SPRINKLED BUILDING (LIGHT HAZARD). THE FIRE SUPPRESSION SYSTEM IS TO BE DESIGNED PER THE FP #13, STATE FIRE MARSHAL, AND REQUIREMENTS OF THE LOCAL JURISDICTION.
- 2. THE REVISED SYSTEM IS TO REMAIN A WET SYSTEM.
- 3. SPRINKLER HEADS TO BE QUICK RESPONSE.
- 4. ALL SPRINKLER HEADS TO BE CONCEALED WITH CHROME COVER PLANTS, 155 DEGREES, 1/2" ORIFICE.
- 5. EXPOSED AREAS ARE TO HAVE BRASS UPRIGHT HEADS.
- 6. EXISTING CONDITIONS TO BE FIELD VERIFIED.
- 7. COORDINATE FIRE SUPPRESSION LINES WITH LIGHTS, DUCTS, CEILINGS, BULKHEADS, ETC.
- 8. REVIEW FIRE PROTECTION REQUIREMENTS WITH INSURANCE COMPANY.
- 9. THROUGH THE PERMITTING PROCESS THE FIRE SUPPRESSION SYSTEM WILL BE INSPECTED AND APPROVED BY THE FIRE MARSHAL PRIOR TO THE ISSUANCE OF AN OCCUPANCY PERMIT.
- 10. SHOP DRAWINGS ARE TO BE PROVIDED TO THE ARCHITECT AND LOCAL JURISDICTION FOR REVIEW BEFORE PURCHASING AND INSTALLING EQUIPMENT.
- 11. IN ADDITION TO THE FIRST AND SECOND FLOOR, THE BASEMENT IS TO BE FULLY FIRE SUPPRESSED AS WELL.

FIRE SUPPRESSION/ALARM LEGEND

SYM	DESCRIPTION	HEIGHT
DD	DD DUCT TYPE SMOKE DETECTOR	
Т	DUCT DETECTOR TEST STATION	48''
V	FIRE ALARM AUDIO/VISUAL	84"
F	FIRE ALARM BELL	84"
F	FIRE ALARM PULL STATION	48''
V	FIRE ALARM VISUAL DEVICE	84"
FS	FS FLOW SWITCH	
HD	HEAT DETECTOR	
S	SMOKE DETECTOR	
TS	TAMPER SWITCH	
FE ®©	FIRE EXTINGUISHER	
	FIRE SUPPRESSION AREA	

MOUNTING HEIGHTS ARE AS GIVEN UNLESS NOTED OTHERWISE ON THE PLANS.

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