

 $\bigwedge \frac{\text{SITE PLAN}}{\text{SCALE 3/16"}=1'-0"} \quad \text{N}$

WEI TAN LICENSED ARCHITECT 2425 S WENTWORTH AVE CHICAGO, IL 60616

PHONE: (312) 912-5798 EMAIL: twarchitect98@yahoo.com

LICENSE NO: 001-022013 EXPIRES: 11/30/2022

EXPIRES: 11/30/2022

ASONRY COMMERCIAL BUILDIN
6009-6011 S ARCHER AVE

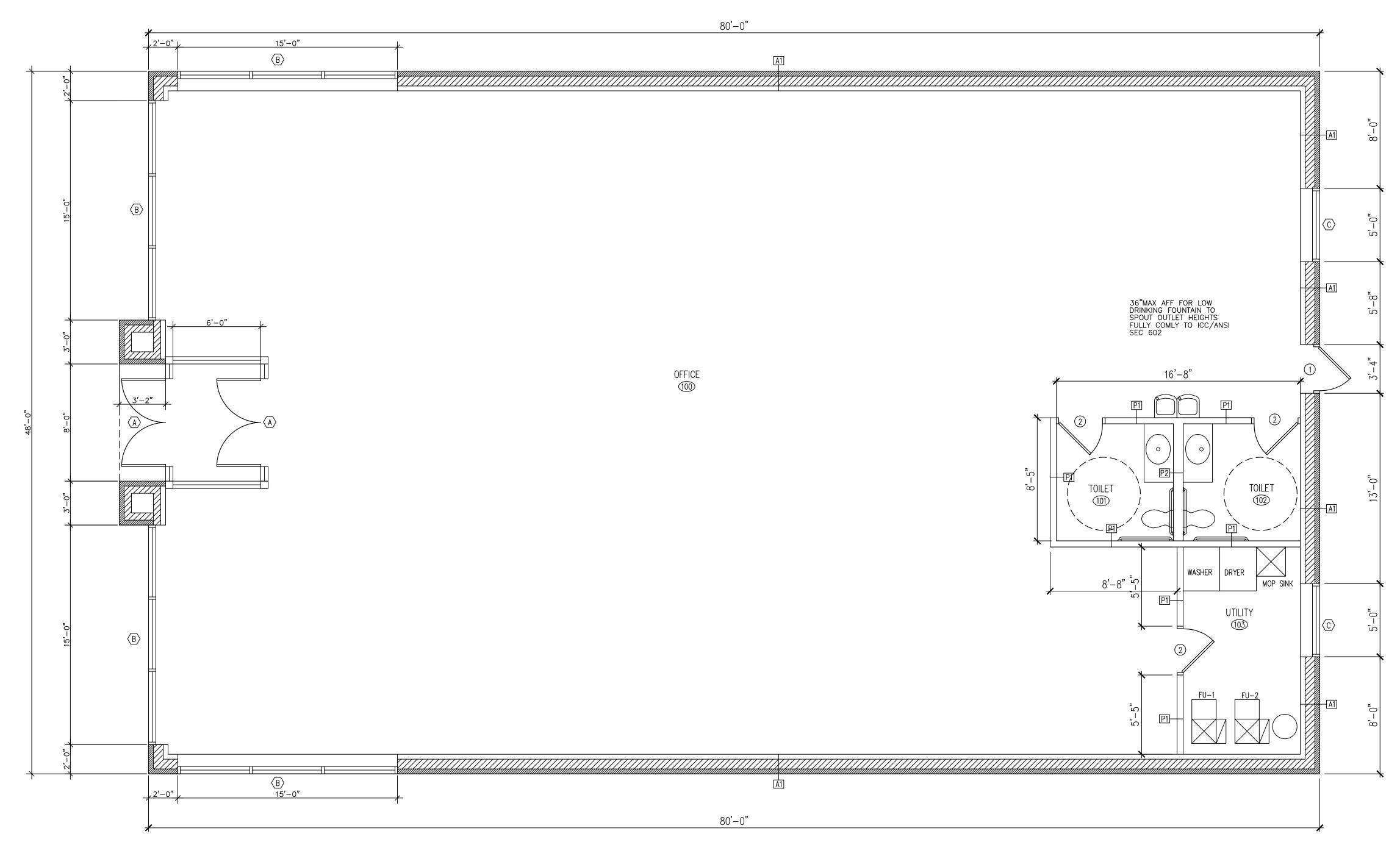
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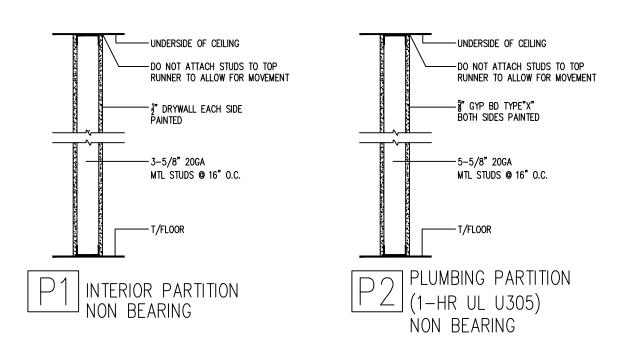


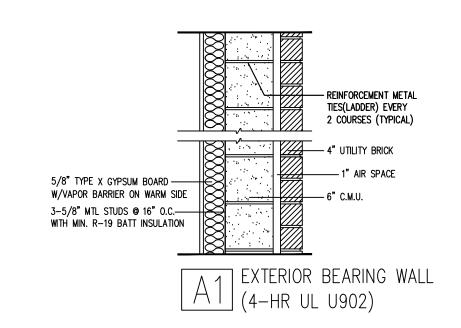
SITF PLA

SHEET NUMBE









ROOM FINISH SCHEDULE								
NO	ROOM	WALLS	BASE	FLOOR	CEILING			
100	OFFICE	GYP PAINTED	QT COVE BASE	FLOOR TILE	GRY BD PAINTED			
101	TOILET	CERAMIC TILE	QT COVE BASE	FLOOR TILE	GRY BD PAINTED			
102	TOILET	CERAMIC TILE	QT COVE BASE	FLOOR TILE	GRY BD PAINTED			
103	UNILITY	GYP PAINTED	QT COVE BASE	FLOOR TILE	GRY BD PAINTED			
CORI	RIDORS CLASS B (26	-75)						

	HARDWARE SCHEDULE
TAG	DESCRIPTION
ina	BEGOTH HOW
1	1 1/2 PAIR BUTT HINGES, W/ PRIVACY LOCKSET
2	1 1/2 PAIR BUTT HINGES, SELF CLOSING DEVICE, ACCESSIBLE HARDWARE
3	1 1/2 PAIR BUTT HINGES, PADDLE LATCH EXIT DEVICE AND DOOR CLOSER, PANIC HARDWARE
4	1 1/2 PAIR BUTT HINGES

∧ 1ST FLOOR PLAN

	WINDOW		SCHEDULE				DOOR		SCHE	EDULE					
	ALL WINDOWS	S SHALL BE MANU. BY RGLASS SCREENS, HARI	OWNER W/ INSULATI DWARE & GRILLE	NG		MARK	TYPE	DOOR MATERIAL	DOOR FINISH	SIZE	LOCATION	FRAME MATERIAL	FRAME FINISH	REMARKS	HARDWARE
	MARK	ROUGH OPEN'G	GLASS VENT	TYPE		1	METAL SWING DOOR	METAL	PRIMED	3'-0" X 6'-8"X1-3/4"	BACK DOOR	HOLLOW METAL	PAINTED	90 MINUTES FIRE RATED DOOR	1
	MIMIN	WIDTH HEIGHT	AREA(SF) AREA(SF	l l		2	JELD-WEN SWING DOOR	METAL	PAINTED	·	RESTROOM	HOLLOW METAL	PAINTED	LOCKSET SINGLE BORE	1
	A	8'-0" 12'-0"	96	TEMPERED GLASS STOREFRONT	1	3	METAL SWING DOOR	METAL	PAINTED	3'-0" X 7'-0"X1-3/8"	UTILITY	HOLLOW METAL	PAINTED	90 MINUTES FIRE RATED DOOR	1
	В	15'-0" 12'-0"	180	TEMPERED GLASS STOREFRONT	.										
	С	5'-0" 5'-6"	27.5 13.8	DOUBLE HUNG]									0" 0"	
12'-0"	4'-0 4'-0 INSU	8'-0"		15'-0" 5'-0" 5'-0" S'-0" S'-0" STOREFRONT SYSTEM	ASS	5'-0'	9,-0"	INSU	5'-0" C LATED DOUB G WINDOWS	E 2'-9" + 5'-6"		2" 3		2" 3'-0" 2" "0-,2" 2" 3'-0" "0-,2"	
												1)	2	

MMERCIAL BUILDI

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FLOOR PLA

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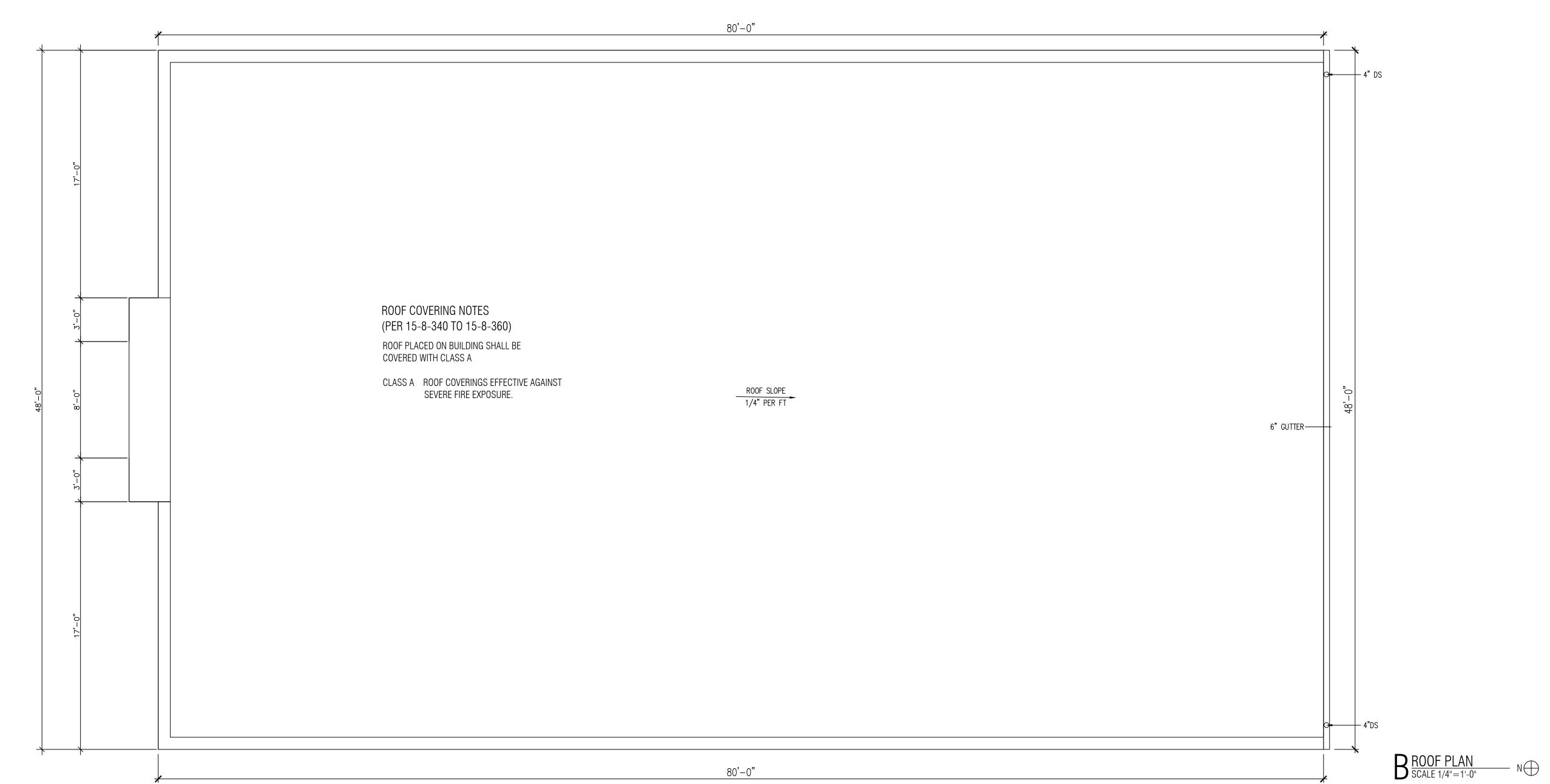
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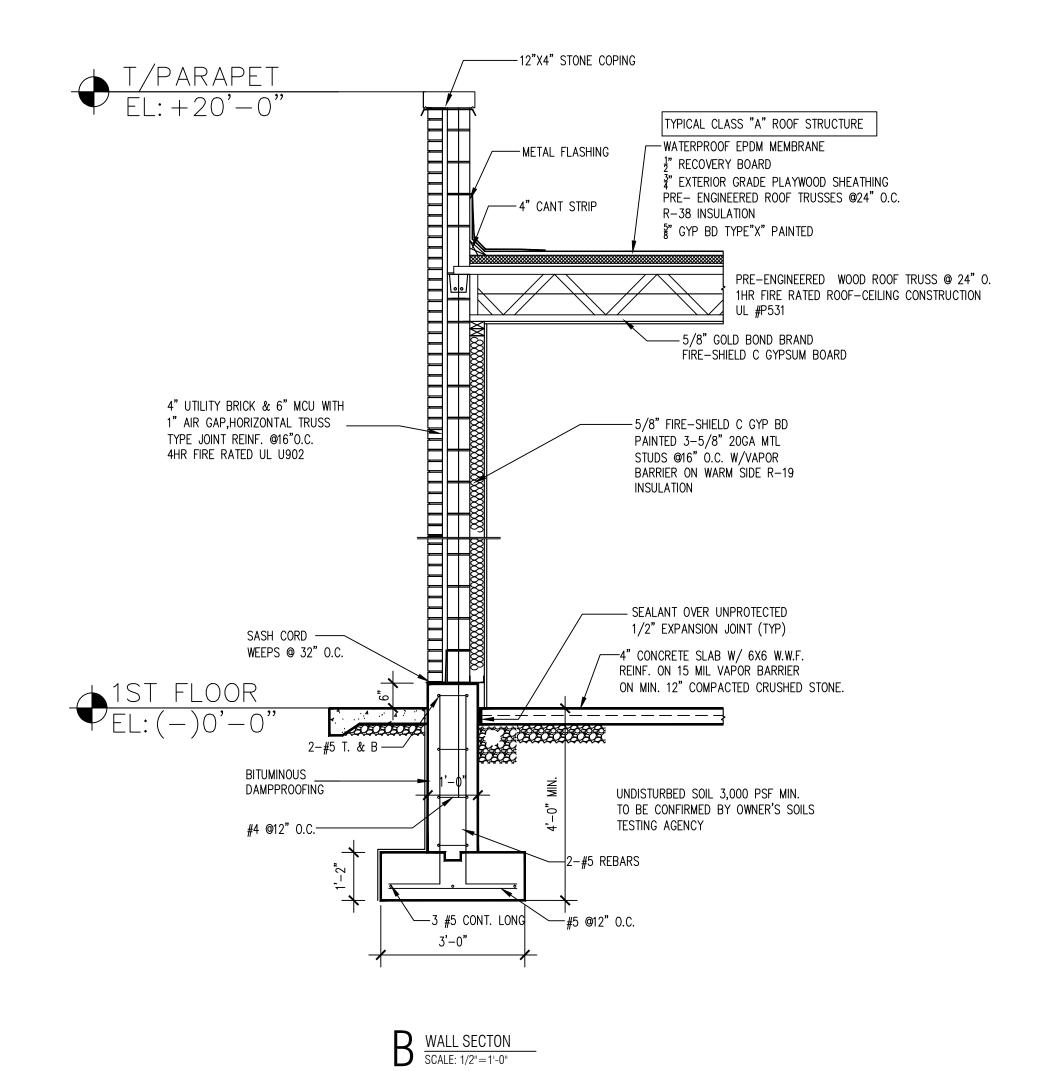
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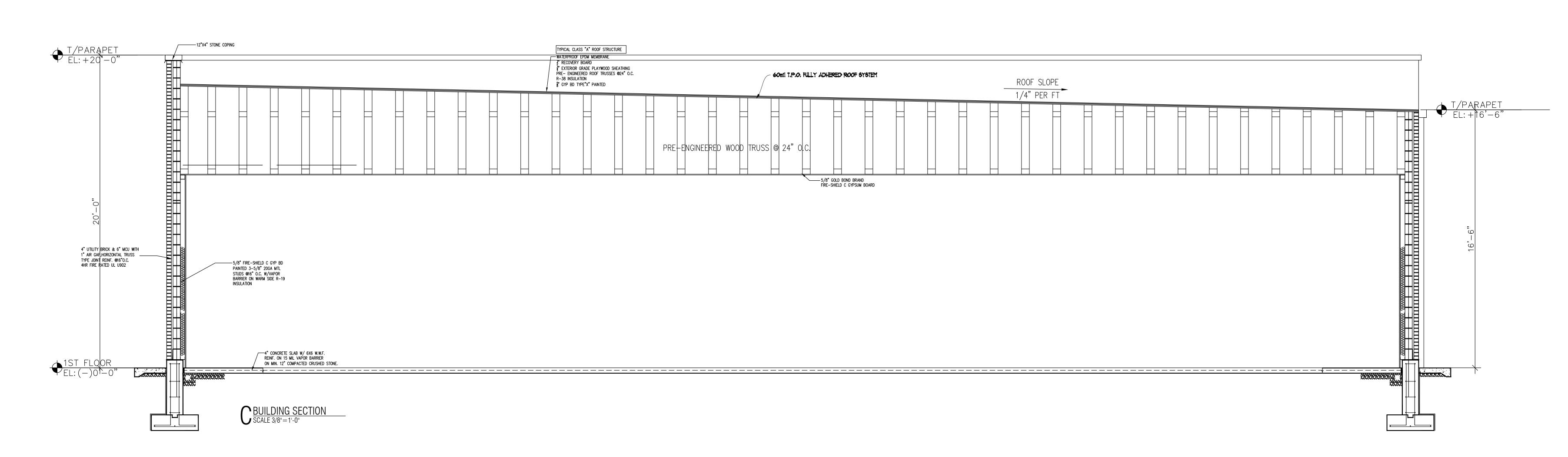


FOUNDATION PLAN & ROOF PLAN

SHEET NUMBER



A ROOF FRAMING PLAN N



EXPIRES: 11/30/2022

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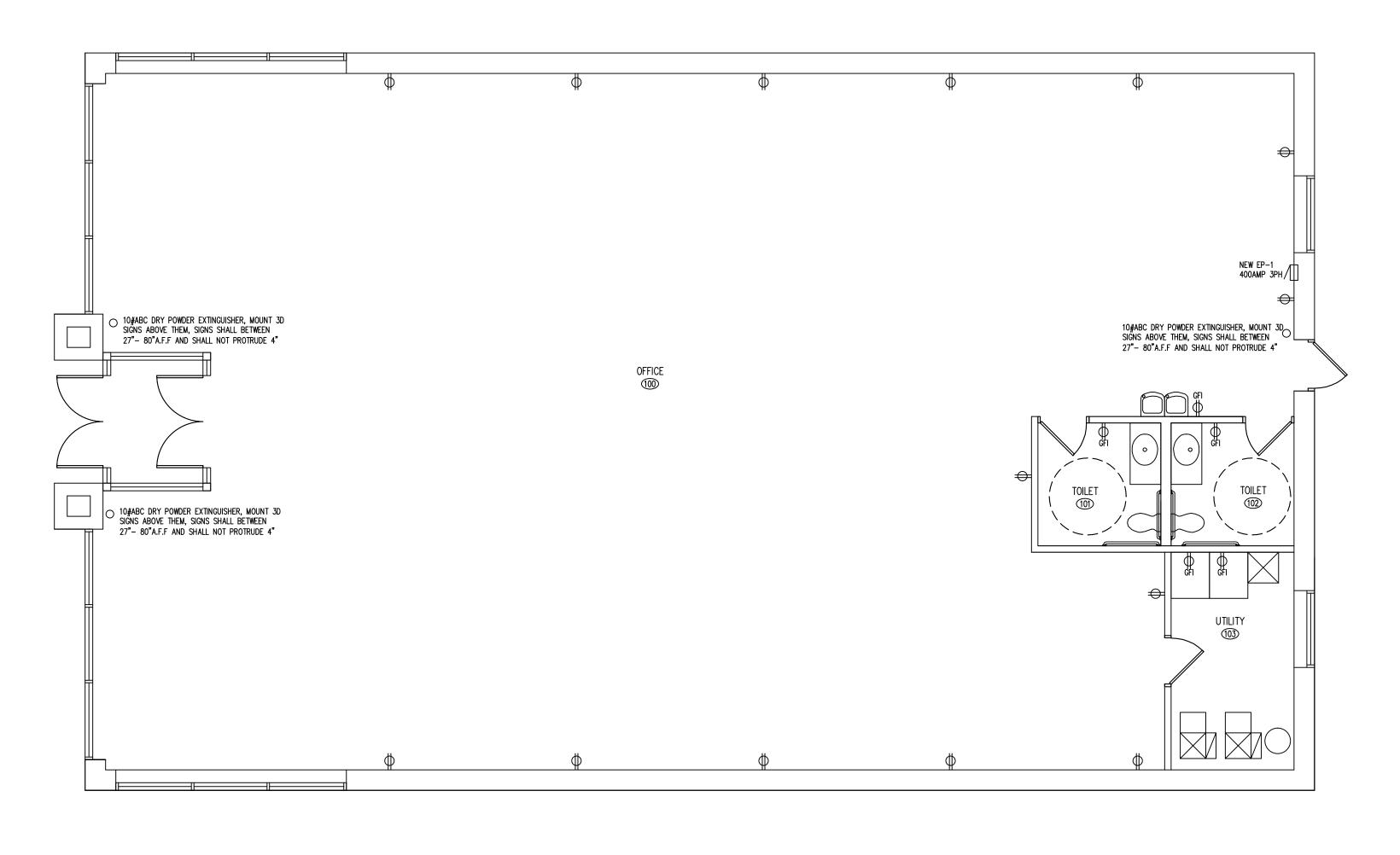
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FRAMING PLANS & WALL SECTION

SHEET NUMBER

A6



A POWER PLAN SCALE 3/16"=1'-0"

B LIGHTING & EMERGENCY PLAN SCALE 3/16"=1'-0"

ELECTRICAL NOTES

AT LEAST FIFTY (50) FOOT CANDLES OF LIGHT SHALL BE PROVIDED ON ALL WORKING SURFACES. TWENTY (20) FOOT CANDLES OF LIGHT, AT A DISTANCE OF THIRTY (30) INCHES FROM THE FLOOR, SHALL BE PROVIDED IN ALL OTHER AREAS.

ALL DROP/PLENUM CEILING WIRING TO COMPLY WITH NEC 300.22C. ALL LOW VOLTAGE WIRING TO BE SELF SUPPORTING. NOT RUN OVER ANY LIGHT BALLAST, AND RUN 90 DEGREE.

ALL FIRE ALARM, SMOKE DETECTOR, NIGHT LIGHT, AND EXIT SIGN CIRCUITS SHALL BE SECURED WITH A LOCKOUT DEVICE TO PREVENT ACCIDENTAL DEACTIVATION. INTERLOCK MOTORIZED DAMPERS MUST BE INSPECTED AT ROUGH AND FINAL STAGES BY BOTH THE ELECTRICAL AND MECHANICAL INSPECTORS.

INTERLOCK MOTORIZED DAMPERS MUST BE INSPECTED AT ROUGH AND FINAL STAGES BY BOTH THE ELECTRICAL AND MECHANICAL INSPECTORS. ALL LOW VOLTAGE WIRING FOR MECHANICAL HVAC (DDC) CONTROLS AND ANY AND ALL OTHER USES MUST BE RUN AT RIGHT 90 DEGREE ANGLES AND PROPERLY SUPPORTED. NO LOW VOLTAGE WIRING MAY CROSS OVER CEILING LIGHT FIXTURES.

EXHAUST FAN CONTROL SWITCHES MUST HAVE A PILOT LIGHT INDICATING FAN MOTOR IS POWERED. TIMERS ARE NOT APPROVED FOR EXHAUST FAN OPERATIONS OR THE OPERATIONS OF ANY MECHANICAL EQUIPMENT.

ALL RECEPTACLES SHALL BE RATED AT NO LESS THAN 20 AMPS WITH #12 COPPER WIRE

STORAGE BATTERIES FOR POWERING EMERGENCY SYSTEM SHALL BE OF SUITABLE RATING AND CAPACITY TO SUPPLY AND MAINTAIN THE TOTAL EMERGENCY LOAD FOR A PERIOD OF 1.5 HOURS MINIMUM WITHOUT THE VOLTAGE APPLIED TO THE LOAD FALLING BELOW 87.5% OF NORMAL

ALL OUTLETS ABOVE COUNTERTOPS SHALL BE INSTALLED WITH LONG DIMENSION OF THE PLATES HORIZONTAL. PROVIDE KELLUM GRIP (WIRE MESH SPRING RELIEF) AT ALL CEILING RECEPTACLE DROPS

MAINTAIN 36" CLEAR FLOOR SPACE IN FRONT OF PANELS.

FINAL LOCATIONS OF TELEPHONE AND DATA OUTLETS TO BE CONFIRMED BY OWNER.
ELECTRICAL 125V CONVENIENCE OUTLETS SHALL BE LOCATED ON THE SAME LEVEL WITHIN 25' OF ROOF MOUNTED EQUIPMENT.

NEW ELECTRICAL	PANEL EP	-1, 40	0A 120/2	08 VOL	T, 3P,	1W					
LOAD	С	В	А	AMPS	СК	CK	AMPS	А	В	С	SERVES
AC-1	-		3000	50	1	2	20	1200			OFFICE OUTLETS
		3000			2 3	4	20		1200		OFFICE OUTLET:
EF-1	1800			20	5	6	20			1200	OFFICE OUTLET:
TOILET FAN		720		20	7	8	40	3000		-	
TOILET FAN	-		720	20	9	10	/ 2	2	3000		DUCT HEATE
AC-2		3000		50	11	12	20			1200	OFFICE OUTLET
	3000				2 13	14	20	1200			OFFICE OUTLET
LIGHTING	-	1000	-	20	15	16	20		1200		OFFICE OUTLETS
LIGHTING			1000	20	17	18	20			1200	OFFICE OUTLET
LIGHTING	-	1000		20	19	20	20	1200			SIGI
DUCT HEATER	3000			40	21	22					
	_	3000			2 23	24					
			-		25	26					
					27	28					
					29	30	20				
SUBTOTAL	7800	11720	4720					6600	5400	3600	SUBTOTA
TOTAL PANEL LOAD	39840	111	AMPS	AMPS	12	0/208V	AMPS	3PH			

	NEW 400A 3PH PANE
NEW METER	
SERVICE 120 /208V 400A/3PH	

EMERGENCY LIGHT FIXTURE SCHEDULE								
TYPE	MANUFACTURER	MODEL	LAMP	DESCRIPTION				
4	SURE-LITES	XR-9-C	(2)HALOGEN 12W	PPROVED BATTERY EM FIXTURE				
\otimes	ALPHA	EM-C SERIES	(2)7W FLUORESCENT	APPROVED SINGLE FACE EXIT SIGN				
		SINGLE FACE		BATTERY BACKUP 120V FIXTURE				

FIRE PREVENTION BUREAU EXIT SIGN SYMBOLS

SINGLE FACE EXIT SIGN

SINGLE FACE EXIT SIGN

W/DIRECTIONAL ARROW

→ W/DIRECTIONAL ARROW

SINGLE FACE EXIT SIGN

W/DIRECTIONAL ARROW

→ W/DIRECTIONAL AR

VIEW SIDE OF FIXTURE
W/DIRECTIONAL ARROW

VIEW SIDE OF FIXTURE
W/DIRECTIONAL ARROW

W/DIRECTIONAL ARROW

W/DIRECTIONAL ARROW

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E STORY
BUILDING

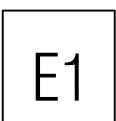
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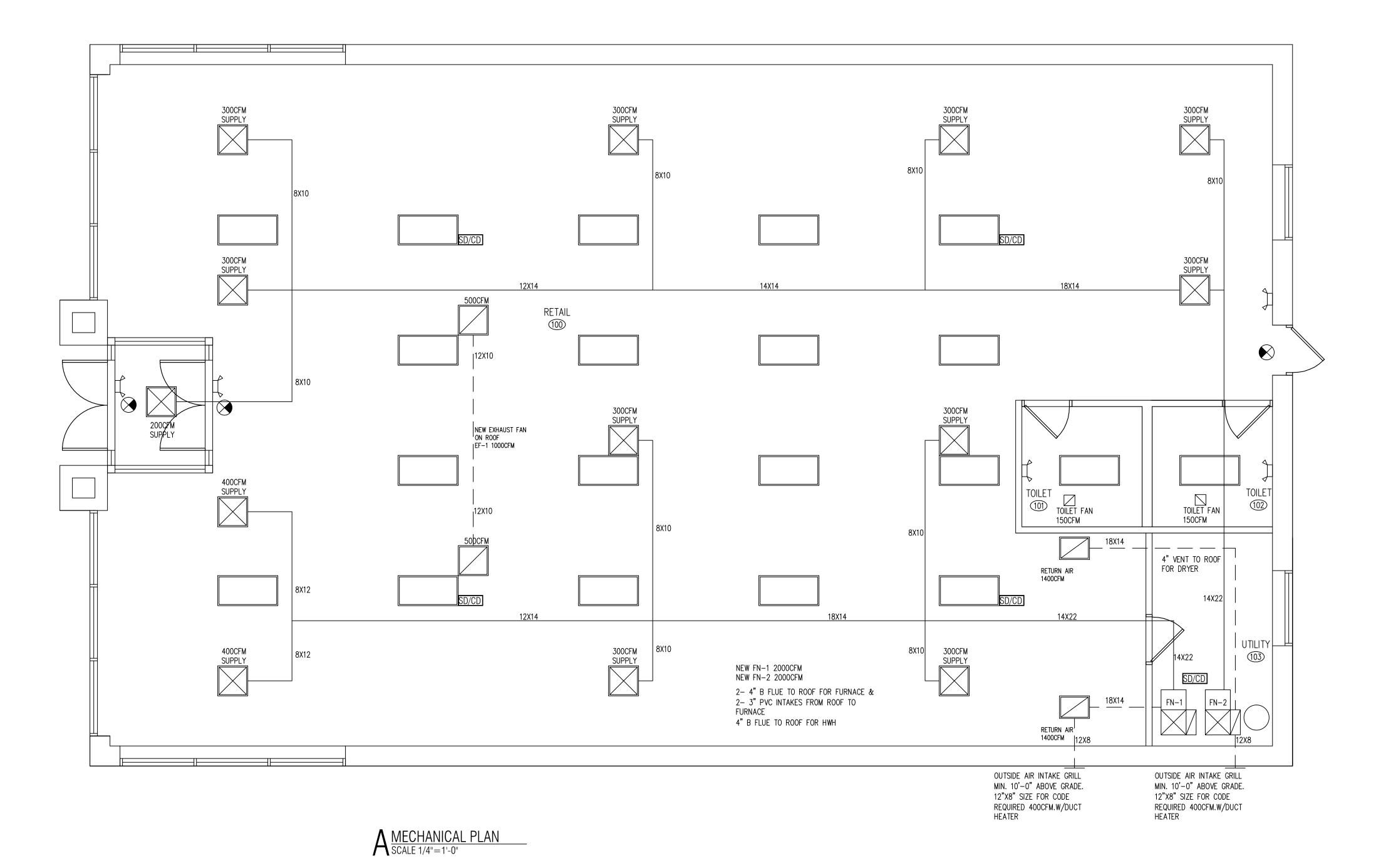
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ELECTRICAL PLANS & NOTES

SHEET NUMBER





— EXHAUST FAN

—EXISTING GRADE

■ INTAKE/EXHAUST DIAGRAM GROUND FLOOR

OUTSIDE

OUTSIDE

INSIDE

TO COMPLY WITH CODE

AIR INTAKE AND EXHAUST THAT TERMINATE

OUTDOORS SHALL BE SUITABLY PROTECTED

OUTSIDE AIR INTAKE SHALL BE 15-0" AWAY

FROM ANY EXHAUST OR PLUMBING VENTS

AND SHALL BE 10'-0"(MIN.) ABOVE GRADE

MECHAI	VICA	L EQUIPMENT :	SCHEDULE		
MARK	QTY.	MANUF.	MODEL	CFM	REMARKS
NEW FN-1	1	BY OWNER	BY OWNER	2000	120,000 BTU IN/100,000 BTU OUT
NEW AC-1	1	BY OWNER	BY OWNER	2000	ON BACK
NEW FN-2	1	BY OWNER	BY OWNER	2000	120,000 BTU IN/100,000 BTU OUT
NEW AC-2	1	BY OWNER	BY OWNER	2000	ON BACK
EF-1	1	BY OWNER	BY OWNER	1000	GENERAL EXHAUST FAN
TEF-1	1	BY OWNER	BY OWNER	150	TOILET ROOM EXHAUST FAN
TEF-2	1	BY OWNER	BY OWNER	150	TOILET ROOM EXHAUST FAN

			MECHANICAL VEI	SERVED BY	SERVED BY				
NUM	ROOM NAME	AREA	CODE		ACTUAL		3511450		
			SUPPLY	EXHAUST	SUPPLY	EXHAUST	RETURN	SUPPLY	EXHAUST
100	OFFICE	3272	3272X0.6=1963	3272X0.3=981	4000	1000	2800	NEW FN-1	NEW EF-1
								NEW FN-2	
101	TOILET 1	64	N.R	64X2.0=128		150			TEF-1
102	TOILET 2	64	N.R	64X2.0=128		150			TEF-2
TTL SU	PPLY (FN-1)	•			2000				
TTL SU	PPLY (FN-2)				2000				
TOTAL	OUTDOOR AIR				THE NEV	V FN-1 =40	O CFM NEW F	RESH AIR	
TOTAL OUTDOOR AIR				THE NEW FN-2 = 400 CFM NEW FRESH AIR					

ALL PIPE PENETRATIONS OF THE HOOD(S) DUCTS SHALL BE LIQUID TIGHT -THERMAL EXPANSION VALVE -LIQUID LINE "K" COPPER — SUCTION LINE "K" COPPER - CONDENSING UNIT (TYP.)

CONDENSATE PIPE —

FUSED DISCONNECT SWITCH	
COND. UNIT POWER SUPPLY	CONDENSING UNIT
DUOT	
DUCT	CONDENSATE PIPE
	LIQUID LINE
LUMAIDIEIED	SUCTION LINE
—HUMIDIFIER	FILTER DRIER
— COOLING COIL	SIGTH GLASS
—CONDENSATE DRAIN	
—24 V. LO	W VOLTAGE
TUEDMO	

REFRIGERATION SCHEDULE REF. USED WT. OF REF. RATED HP NO. OF REMOTE/ SELF WATER AIR LBS (TONS) COMP CONTAINED COOLED COOLED R-410A 6lbs 6oz. 5 1.5 1 SELF CONTAINED
 ROOF
 R-404A
 6lbs 6oz.
 5
 1.5
 1
 SELF CONTAINED

REFRIGERATION NOTES:

1.) INSTALL PRESSURE RELIEF VALVE ON HIGH PRESSURE SIDE OF THE SYSTEM, UPSTREAM OF ANY INTERVENING VALVES.

2.) REMOVE EXPANSION VALVES, DEVICES AND CONNECTIONS FROM AIR STREAM.

3.) REFRIGERANT LINES TO BE TYPE "K" COPPER OR TYPE "ACR".

4.) ALL CONNECTIONS AND DEVICES TO BE BRAZED.

5.) LOCATION OF COMPRESSOR UNITS AND CONDENSING UNITS SHALL COMPLY WITH SECTION 28-(13-192-060 & 070). CONDENSING UNIT MUST BE READILY ACCESSIBLE AND PROVIDED WITH ADEQUATE MEANS OF LIGHT AND VENTILATION AND MAY NOT BE LOCATED ON STAIRWAYS, UNDER STAIRWAYS OR FIRE ESCAPES OR IN PASSAGEWAY, ENTRANCES OR EXITS(EXCEPT SELF CONTAIN UNIT SERVING THE STAIRWAY)

OUTSIDE AIR INTAKE LOCATE INTAKE OPENING DISCHARGE MIN 15'-0" FROM ANY FAN NOT LESS THAN 2'-0" ABOVE THE ROOF ALL PLUMBING VENT TERMINALS SHALL BE LOCATED NOT LESS THAN 12'-0" HORIZONTALLY FROM ANY FRESH AIR INTAKE AT THE ROOF

MECHANICAL NOTES:

ALL DIFFUSERS, REGISTERS, RETURNS, AND TOILET EXHAUST FANS TO BE COMMERCIAL GRADE.

NEW DUCTWORK SHOULD BE REQUIRED ALL SHEET METAL SHALL BE IN COMPLIANCE TO SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA) STANDARDS. DUCT WORK SHALL BE INSULATED WITH AIR TIGHT JOINTS PROPERLY SUPPORTED TO AVOID STRAIN, VIBRATION AND NOISE. ALL FRESH AIR INTAKE OPENINGS SHALL BE A MIN. OF 10'-0" AWAY FROM ANY EXHAUST OR POINT OF CONTAMINATED DISCHARGE.

THE MECHANICAL SYSTEM SHALL BE COMPLETED WITH ALL NECESSARY APPURTENANCES FOR A COMPLETE OPERATING SYSTEM. ALL U.L. APPROVED FIRE DAMPERS FOR ALL HVAC APPLICATIONS ON THIS PROJECT MUST HAVE A ROUGH AND FINAL DAMPER INSPECTION.

SMOKE DETECTOR'S PROVIDED IN RETURN AIR SYSTEM SHALL BE CONNECTED TO THE AIR HANDLING SYSTEM IN SUCH A WAY THAT THE AIR-HANDLING SYSTEM IS SHUT DOWN UPON ACTIVIATION OF THE AIR-HANDLING UNIT SMOKE DETECTOR. DUCT TAPE SHALL NOT BE UTILIZED IN ANY APPLICATION WITH THE MECHANICAL EQUIPMENT OR DUCT INSTALLATION. METAL TAPE IS APPROVED.

ALL LOW VOLTAGE WIRING FOR MECHANICAL HVAC (DDC) CONTROLS AND ANY AND ALL OTHER USES MUST BE RUN AT RIGHT 90 DEGREE ANGLES AND PROPERLY SUPPORTED. NO LOW VOLTAGE WIRING MAY CROSS OVER CEILING LIGHT FIXTURES.

IF REQUIRED BY THE BUILDING DPEARMENT, ALL NON-EXPOSED DUCT WORK MUST BE INSPECTED PRIOR TO BEING EXTERNALLY INSULATED, WRAPPED.IF REQUIRED BY THE BUILDING DEPARTMENT.

TYPE B AND TYPE B-W GAS VENTS MUST BE SECURED IN THE VERTICAL WITH METAL STRAP. SCREWS ARE NOT ALLOWED IN THE INSTALLATION OF TYPE B AND B-W GAS FLUE VENTS AS A JOINT FASTENER. "FIELD CONDITIONS," IF LOCATIONS CHANGE OR REVISIONS MADE TO THE MECHANICAL SYSTEM APART

FROM THE DRAWING, DUE TO SITE CONDITIONS, THEY MUST BE NOTED ON A REVISED DRAWING AND SUPPLIED TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION AS "AS BUILD DRAWINGS." THESE REVISED DRAWINGS WILL BECOME PERMANENT RECORDS FOR THE PROJECT AND USED AT THE TIME OF FINAL INSPECTION.

A COPY OF ALL MANUFACTURERS' INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT TIME OF INSPECTION. ALL METALLIC DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE. ELECTRICAL WIRING CONTROLS AND CONNECTIONS TO EQUIPMENT AND APPLIANCES REGULATED BY THE MECHANICAL CODE SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

POTABLE WATER SUPPLY AND BUILDING DRAINAGE SYSTEM CONNECTIONS TO THE EQUIPMENT AND APPLIANCES REGULATED BY THE MECHANICAL CODE SHALL BE IN ACCORDANCE WITH THE ILLINOIS STATE PLUMBING CODE. WHERE CONFLICTS BETWEEN THIS CODE AND THE CONDITION OF LISTING ON MANUFACTURER'S INSTALLATION OCCUR, FLEXIBLE DUCTS AND AIR CONNECTORS SHALL NOT PASS THROUGH ANY FIRE-RESISTANCE RATED ASSEMBLY.

CONDENSATE DRAIN PIPES SHALL BE PROVIDED FOR ALL CONDENSING APPLIANCES FROM APPLIANCE OR APPLIANCE DRAIN PAN AND SHALL BE MADE OF NOT LESS THEN 3/4" COPPER AT 1% SLOPE TO AN APPROVED LOCATION. CONDENSATE LINE SHALL BE PROVIDED WITH A TRAP IF REQUIRED BY THE MANUFACTURER. CONDENSATE LINE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

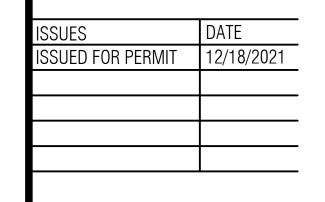
DUCT INSULATION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 604.2 THROUGH 604.13 AND THE INTERNATIONAL ENERGY CONSERVATION CODE.

FLEX DUCT: FACTORY ASSEMBLED CLASS I AIR DUCT, (UL 181) WITH FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER. FLEX DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50, AND SHALL BE RATED FOR 2" W.C. PRESSURE AND 0 TO 250 DEGREE TEMPERATURE. TO BE PROVIDED AND INSTALLED PER IMC SECTION 603.4, 603.5, THRU 603.8. FLEXIBLE AIR DUCT SHALL HAVE PLASTIC TIES OR METAL TAPE AT EACH END TO PREVENT INSULATION ROLL BACK.

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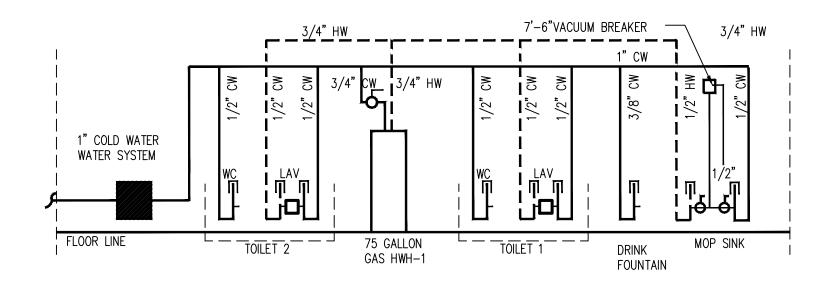




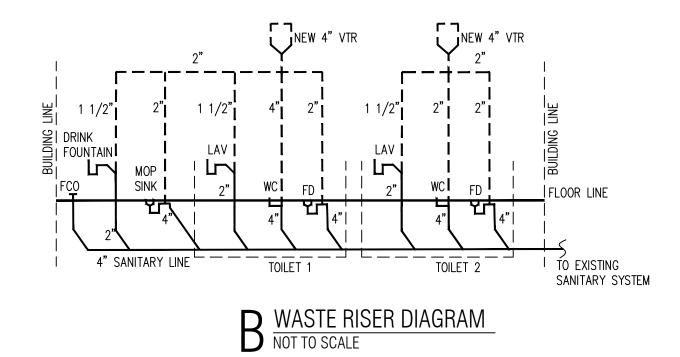
MECHANICAL PLANS & NOTES

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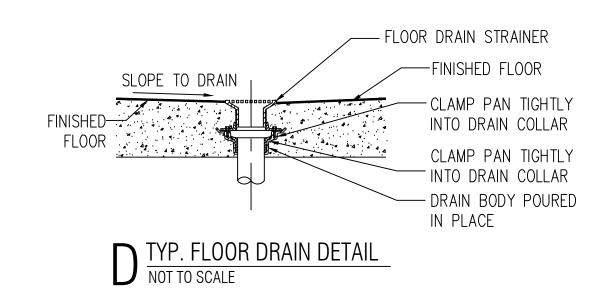




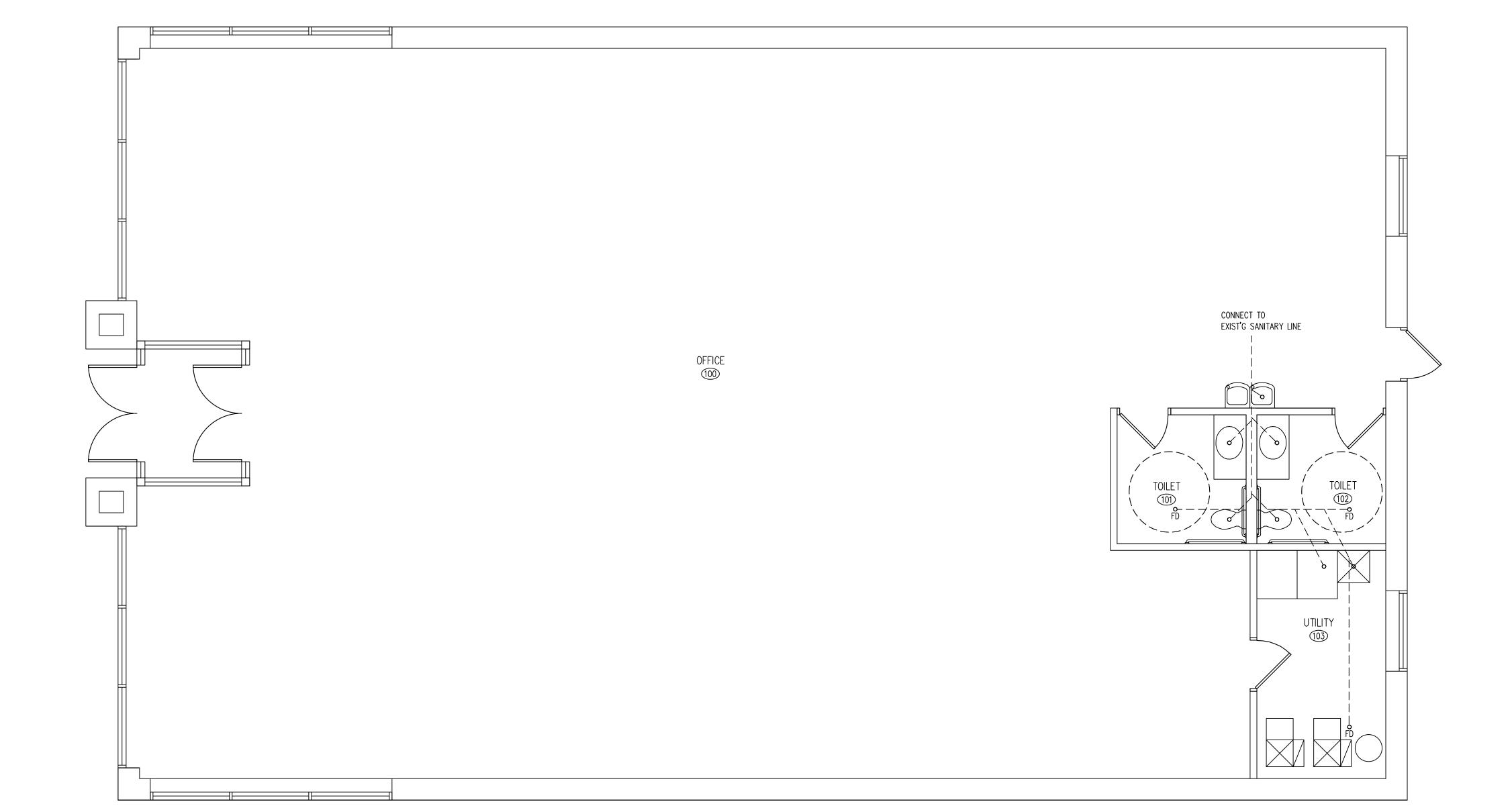
PLUMBING FIXTU	RES	
PLUMBING FIXTURES	QTY	COMMENT
WATER CLOSET	2	
LAVATORY	2	
DRINK FOUNTAIN	2	
GAS HWH-1	1	
MOP SINK	1	
TOTAL	8	



FIXTURE	MODEL	MODEL NO/ REMARKS
WATER CLOSET	KOHLER	ADA COMPLAINT,FLOOR MOUNTED
LAVATORY	KOHLER	ADA COMPLAINT,WALL MOUNTED
FAUCET	KOHLER	ADA COMPLAINT,ASME/ANSI 116/117 COMPLIANT,SET TO 110F MAX
TEMPERING VALVE	WATTS	1170-M2
TOILET PAPER DISPENSER	BOBRICK	B5288 ADA
GRAB BARS	BOBRICK	B66806 SERIES, 36" AND 42"
SOAP DISPENSER	BOBRICK	B82216 SURFACE MOUNTED
MIRROR	BOBRICK	B-165 (ADA COMPLIANT)
TRASH RECEPTACLE	BOBRICK	B-275 WALL MOUNTED
HAND DRYER	WORLD DRYER	WA126-2 PWHC WHITE AIRSPEED SURF MOUNTED MOUNT
		38" AFF.FOR ACCESSIBILITY



A PLUMBING PLAN SCALE 1/4"=1'-0"



PROPOSED A NEW ONE

MASONRY COMMERCIAL

SSUES DATE

SSUED FOR DEBMIT 15/18/2051

CHICAGO IL 60638

PLUMBING PLANS

& NOTES

SHEET NUMBER

WEI TAN

LICENSED ARCHITECT 2425 S WENTWORTH AVE

CHICAGO, IL 60616

PHONE: (312) 912-5798

LICENSE NO: 001-022013

EXPIRES: 11/30/2022

EMAIL: twarchitect98@yahoo.com