PMS CUBA - STAFF GYM

DRAWING INDEX:

GENERAL NOTES:

A. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE-2015 EDITION, STATE OF NEW MEXICO BUILDING CODE, AND ALL OTHER GOVERNING CODES AND AGENCIES.

B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO STARTING THE WORK. ANY DISCREPANCIES AND/OR OMISSIONS IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

C. CONTRACTOR TO REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.

D. CONTRACTOR TO REFER TO ANNOTATED DIMENSIONS ONLY. CONTRACTOR SHALL NOT SCALE OFF DRAWINGS.

E. DIMENSIONS SHOWN ARE TO FACE OF STUD OR FACE OF MASONRY UNLESS OTHERWISE NOTED.

F. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE, TYP.

G. ALL REQUIRED EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.

H. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

I. MAXIMUM EFFORT REQUIRED TO OPEN ANY DOOR SHALL NOT EXCEED 5 POUNDS PRESSURE FOR INTERIOR NON-RATED DOORS, 8 1/2 POUNDS PRESSURE FOR EXTERIOR DOORS AND 15 POUNDS PRESSURE FOR FIRE-RATED DOORS.

J. THE EXTENT OF THE LEVEL AND CLEAR AREA AT EACH DOOR SHALL BE 18 INCHES FOR INTERIOR DOORS AND 24 INCHES FOR EXTERIOR DOORS BEYOND THE STRIKE EDGE OF THE DOOR ON THE SIDE TOWARD WHICH IT SWINGS, AND 12 INCHES ON THE SIDE FROM WHICH IT SWINGS.

K. DOOR THRESHOLDS SHALL BE MAXIMUM 1/2 INCH ABOVE THE ADJACENT FLOOR. THE EXPOSED EDGE SHALL BE BEVELED OR SLOPED TO MAXIMUM 45 DEGREES WITH MAXIMUM 1/4 INCH CHANGE IN VERTICAL ELEVATION.

L. THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST.

M. ALL PRODUCTS MARKED "OR APPROVED EQUAL" SHALL BE APPROVED BY THE ARCHITECT & OWNER PRIOR TO PURCHASING AND INSTALLATION OF WORK AND SHALL MEET THE REQUIREMENTS OF ALL GOVERNING CODES AND AGENCIES.

N. WALL AND CEILING COVERING SHALL COMPLY WITH CHAPTER 25 OF THE IBC-2015 EDITION.

O. SUSPENDED CEILING FRAMING SYSTEM AND FIXTURES SHALL BE LATERALLY AND VERTICALLY BRACED AS PER ASTM E580 AND IBC-2015 EDITION. ACOUSTIC CLG SHALL BE INSTALLED AS PER MFG. SPECIFICATION ACCORDING TO THE SEISMIC DESIGN CATAGORY PROJECT IS IN. TO BE ON SITE DURING INSPECTION.

P. EXTERIOR AND INTERIOR GLASS AND GLAZING SHALL MEET THE REQUIREMENTS OF IBC-2015 EDITION.

Q. WALL AND FLOOR COVERINGS, AND OTHER DECORATIVE MATERIALS SHALL HAVE A FLAME SPREAD RATING PER IBC-2015 EDITION. CERTIFICATION THEREOF SHALL BE PROVIDED. EXITS, EXIT SIGNS, FIRE ALARM STATIONS, HOSE CABINETS, AND EXTINGUISHER LOCATIONS SHALL NOT BE CONCEALED BY DECORATIVE MATERIAL.

R. FOR WALL MOUNTED EQUIPMENT PROVIDE ALL NECESSARY BLOCKING, BACKING, AND FRAMING AS RECOMMENDED BY THE MANUFACTURER. REQUIRED SUPPORT SHALL BE INSTALLED BY THE CONTRACTOR.

S. PROJECTIONS OR RECESSES IN SCHEDULED SPACES SHALL HAVE FINISHES AS SCHEDULED FOR RESPECTIVE SPACE IN WHICH THEY OCCUR.

T. ALL PIPING SHALL BE LABELED WITH DIRECTIONAL ARROWS EVERY 20 FEET AND AT ALL WALL PENETRATIONS. ACCESS PANELS SHALL BE PROVIDED AT ALL VALVES AND CONTROLS CONCEALED IN HARD CONSTRUCTION.

CODE ANALYSIS

APPLICABLE CODES
2015 NEW MEXICO COMMERCIAL BUILDING CODE
2017 NEW MEXICO ELECTRICAL CODE
2021 NEW MEXICO MECHANICAL CODE
2021 NEW MEXICO PLUMBING CODE
2015 NEW MEXICO EXISTING BUILDING CODES
2015 INTERNATIONAL BUILDING CODE
2009 INTERNATIONAL FIRE CODE
2009 ICC/ANSI 117.1
2015 NFPA: LIFE SAFETY CODE
2009 NM ENERGY CONSERVATION CODE
2018 IECC
2012 NEW MEXICO ELECTRICAL SAFETY CODE
2012 NESC AMENDMENTS
2006 USEC AMENDMENTS

PROJECT DESCRIPTION
LEVEL 2 RENOVATION OF EXISTING PORTION OF AN UNOCCUPIED CLINIC TO BE USED AS A STAFF GYM

BUILDING TYPE: OFFICE/ CLINIC

AREA OF WORK: AREA OF WORK = 1,888 SF

CONSTRUCTION TYPE: VB NOT SPRINKLED (NO CHANGE)

USE & OCCUPANCY CLASSIFICATION (IBC SECTION 302.1)
OCCUPANCY TYPE B (NO CHANGE) + STORAGE (NO CHANGE)

ALLOWABLE BUILDING AREA, HEIGHT + STORIES (IBC TABLE 504.3, 504.4, 506.2)

ALLOWABLE AREA: 9,000 GSF	ACTUAL: 7,818 GSF	(NO CHANGE)
ALLOWABLE HEIGHT: 40' PER IBC,	ACTUAL: 14' MAX	(NO CHANGE)
STORIES ABOVE GRADE: 2	ACTUAL: 1	(NO CHANGE)

BUILDING ELEMENTS AND MATERIALS (IEBC 602)
ALL NEW INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE 2015 INTERNATIONAL BUILDING CODE.

MEANS OF EGRESS
TRAVEL DISTANCE DOES NOT EXCEED MAXIMUM ALLOWABLE TRAVEL DISTANCE OF 300' (1017)

REQUIRED NUMBER OF EXITS = 2; PROVIDED = 6

OCCUPANT LOAD

OFFICE	3,050 GSF/ 100 GSF	30.5 OCCS
EXERCISE ROOM	900 GSF/50 GSF	18 OCCS
STORAGE	3,868 GSF/300	12.8 OCCS
		61.3 OCCUPANTS

PLUMBING FIXTURES (IEBC 810.1)
THE OCCUPANT LOAD HAS NOT INCREASED BY MORE THAN 20%.
2 EXISTING TOILETS, LAVS
2 NEW TOILETS, LAVS AND SHOWERS
2 NEW DRINKING FOUNTAINS
1 EXISTING JANITOR SINK

PORTABLE FIRE EXTINGUISHERS (IFC 2015)
MINIMUM RATED SINGLE EXTINGUISHER: 2A-10BC.
MAXIMUM TRAVEL DISTANCE BETWEEN FIRE EXTINGUISHERS: 75 FT.
7,818 SF/ 3,000 SF = 3 REQUIRED, 3 PROVIDED

DOOR HARDWARE
EXIT HARDWARE TO MEET APPLICABLE CODE REQUIREMENTS FOR EGRESS.

FIRE PROTECTION SYSTEMS
CONTRACTOR TO SUBMIT SHOP DRAWINGS TO FIRE MARSHAL FOR REVIEW AND APPROVAL OF ANY REQUIRED MODIFICATION TO EXISTING SYSTEM.

LIFE SAFETY PLAN SYMBOL LEGEND

- 5 ← OCCUPANTS
- 180 / 20 / 34 ← MAXIMUM OCCUPANT LOAD FOR DOOR (SECTION 1005.1); ACTUAL OCCUPANT LOAD FOR DOOR; DOOR WIDTH REQUIRED/ DOOR WIDTH PROVIDED (IN INCHES)
- FEC — FIRE EXTINGUISHER CABINET
- EXIT SIGN WITH EMERGENCY LIGHTING + BATTERY BACKUP
- EMERGENCY LIGHTING + BATTERY BACKUP
- MAX TRAVEL DISTANCE
- EXISTING (NOT IN SCOPE)/ SHELL SPACE

PROJECT TEAM

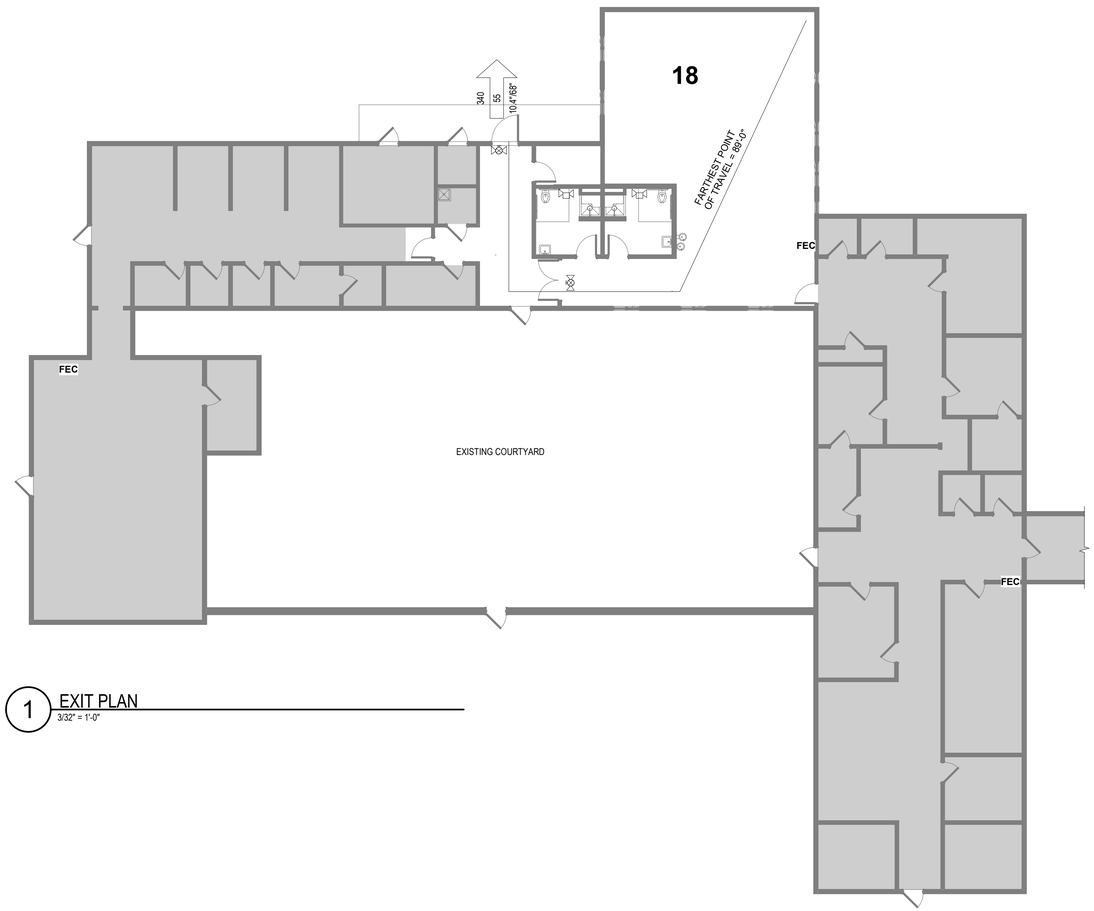
OWNER:
PRESBYTERIAN MEDICAL SERVICES
CONTACT: PATRICK DYERS
(505) 660-8391

ARCHITECT:
SCOUT DESIGN
CONTACT: SHANNON VANDUSEN
(505) 414-6212

ELECTRICAL ENGINEER:
ELECTRICAL CONSULTANTS
CONTACT: GREG DUDLEY
(505) 359-9230

MP ENGINEER:
KB DESIGN
CONTACT: KYLE BEST
(505) 850-6092

AREA MAP



1 EXIT PLAN
3/32" = 1'-0"

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scout
ARCHITECTURE + DESIGN

ARCHITECT/ ENGINEER

PMS - CUBA EMPLOYEE GYM
6349 US-550
CUBA, NM 87013

75% PERMIT DRAWINGS

REVISION	DATE

DATE	4/12/23
PROJECT NO	2114

COVER SHEET, CODE ANALYSIS, LIFE SAFETY PLAN

SHEET NO.
G100

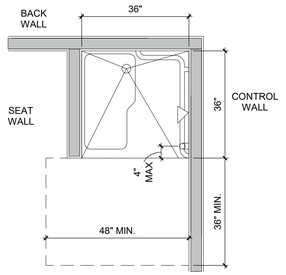


FIGURE 608.2.1

TRANSFER TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

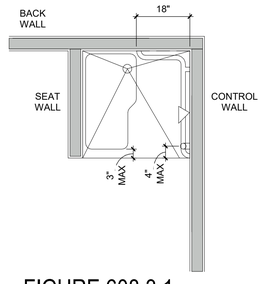
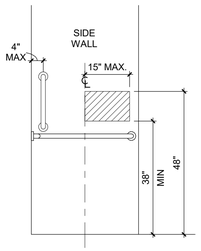
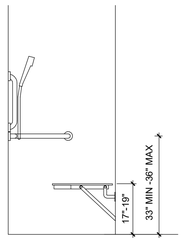


FIGURE 608.3.1

GRAB BARS FOR TRANSFER TYPE SHOWER



TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION



TRANSFER TYPE SHOWER GRAB BAR AND SEAT HEIGHT

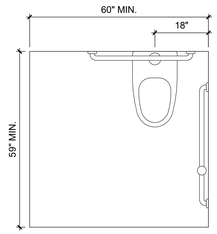


FIGURE 604.8.1.1

SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

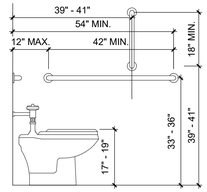


FIGURE 604.5.1

SIDE WALL GRAB BAR AT WATER CLOSETS

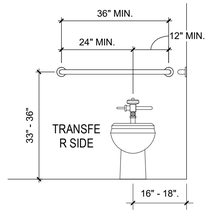


FIGURE 604.5.2

REAR WALL GRAB BAR AT WATER CLOSETS

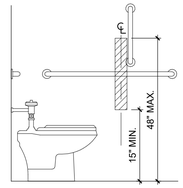
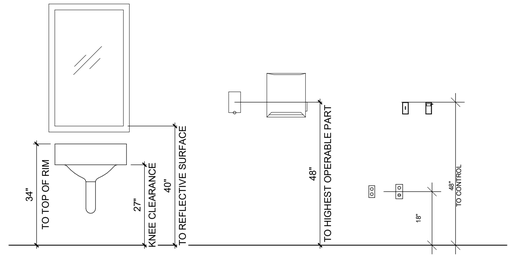


FIGURE 604.7

DISPENSER OUTLET LOCATION



* INSULATE ALL EXPOSED PIPING

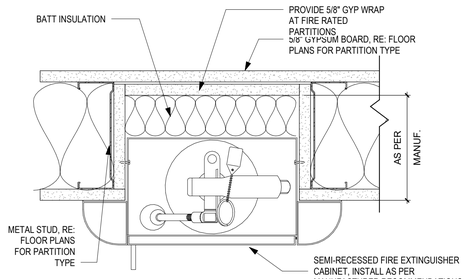
*ALL DEVICES, SWITCHES, T-STATS,

FIGURE 604.5.2

HEIGHT OF LAVATORIES

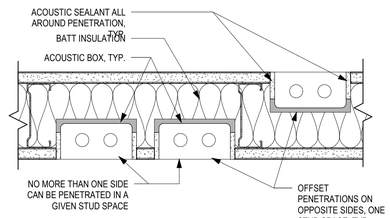
C3 MOUNTING HEIGHTS AND CLEARANCE REQUIREMENTS

1/2" = 1'-0"



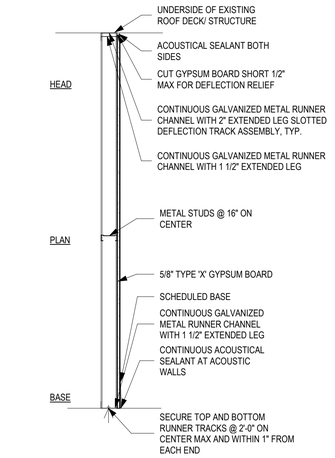
B3 SEMI RECESSED FEC

3" = 1'-0"



A3 STAGGER DEVICES

3" = 1'-0"

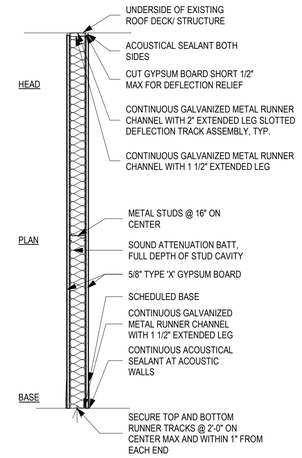


2 NON RATED PARTITION

NOTES
1. METAL STUD SIZE: 3-5/8"
2. 5/8" TYPE 'X' GYPSUM BOARD ONE SIDE TO DECK; USE MOISTURE RESISTENT GYP AT WET LOCATIONS
3. OVERALL DIMENSION: 4-1/4"
4. STAGGER DEVICES IN SEPARATE STUD CAVITIES

2A NON RATED PARTITION

NOTES
1. METAL STUD SIZE: 6"
2. 5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES TO DECK; USE MOISTURE RESISTENT GYP AT WET LOCATIONS
3. OVERALL DIMENSION: 6-5/8"
4. STAGGER DEVICES IN SEPARATE STUD CAVITIES



1 NON RATED PARTITION

NOTES
1. METAL STUD SIZE: 3-5/8"
2. 5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES TO DECK; USE MOISTURE RESISTENT GYP AT WET LOCATIONS
3. OVERALL DIMENSION: 4-7/8"
4. SOUND ATTENUATION BATT, FULL DEPTH OF STUD CAVITY
5. STAGGER DEVICES IN SEPARATE STUD CAVITIES

1A NON RATED PARTITION

NOTES
1. METAL STUD SIZE: 6"
2. 5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES TO DECK; USE MOISTURE RESISTENT GYP AT WET LOCATIONS
3. OVERALL DIMENSION: 7-1/4"
4. SOUND ATTENUATION BATT, FULL DEPTH OF STUD CAVITY
5. STAGGER DEVICES IN SEPARATE STUD CAVITIES

1B 1-HR RATED PARTITION

NOTES
1. METAL STUD SIZE: 6"
2. 5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES TO DECK;
3. OVERALL DIMENSION: 7-1/4"
4. SOUND ATTENUATION BATT, FULL DEPTH OF STUD CAVITY
5. STAGGER DEVICES IN SEPARATE STUD CAVITIES
6. 1 HOUR FIRE RATED: DESIGN TO UL-U465

A4 PARTITION TYPES

3/4" = 1'-0"

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scout
ARCHITECTURE + DESIGN

ARCHITECT/ ENGINEER

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75% PERMIT DRAWINGS

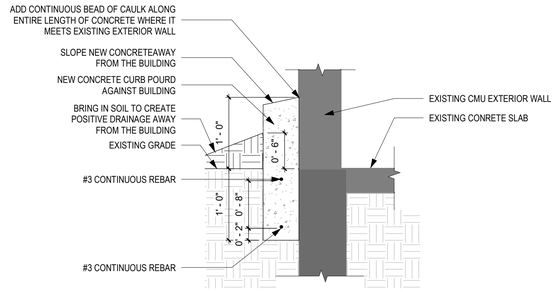
REVISION	DATE

DATE	4/12/23
PROJECT NO	2114

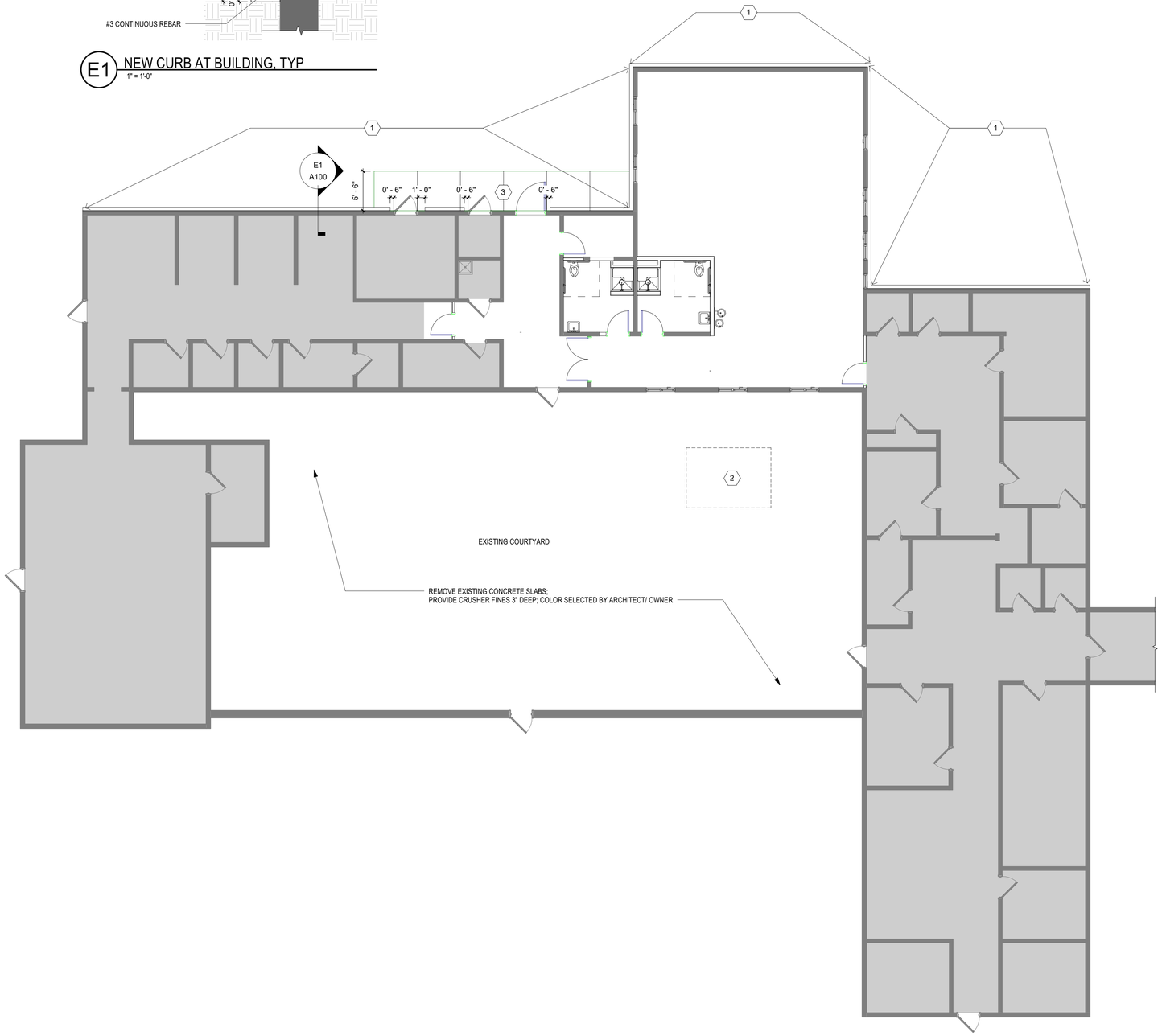
PARTITION TYPES, MOUNTING HEIGHTS

SHEET NO.

G102



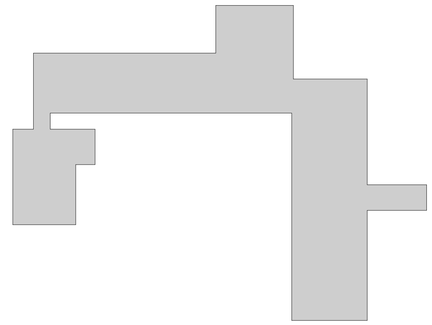
E1 NEW CURB AT BUILDING, TYP
1" = 1'-0"



A1 OVERALL PLAN
1/8" = 1'-0"

KEYED NOTES

1. NEW CONCRETE CURB TO BE POURED AGAINST EXISTING PERIMETER STEM WALL PER DETAIL E1/A100
2. APPROXIMATE LOCATION OF EXISTING FOUNTAIN TO REMAIN
3. NEW 4" CONCRETE SIDEWALK, SLOPE A MINIMUM OF 1/4" PER FT AWAY FROM THE BUILDING; ADD CONTROL JOINTS EVERY 6'



KEY PLAN

scout
ARCHITECTURE + DESIGN

ARCHITECT/ ENGINEER

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REVISION	DATE

DATE 4/12/23
PROJECT NO 2114

OVERALL PLAN

SHEET NO.
A100

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WATER CLOSET ACCESSORIES

A. 24" X 36" ANGLE FRAME MIRROR
B. HAND SOAP DISPENSER LOCATION, OFCI
C. TOILET PAPER DISPENSER
D. 36" GRAB BAR, 42" GRAB BAR, 18" GRAB BAR IN BRUSHED NICKEL
E. SANITARY NAPKIN DISPOSAL
F. HOOK

FINISH LEGEND

FLOOR BASE (B-X)

B-1	MFG	JOHNSONITE
	COLOR	TBD
	STYLE	4" WITH TOE
	NOTE	ALL WALLS EXCEPT AT TILE

TILING (T-X)

T-1	MFG	DALTILE
	COLOR	TBD
	COLLECTION	FORMULA
	SIZE	12X24
	INSTALL	STACKED BOND
	GROUT	TBD
T-2	MFG	DALTILE
	COLOR	TBD
	COLLECTION	COLOR WHEEL LINEAR
	SIZE	4X12
	INSTALL	STACKED BOND - VERTICAL
	GROUT	TBD

LUXURY VINYL TILE (LVT-X)

LVT-1	MFG	SHAW
	STYLE	TBD
	COLOR	TBD
	INSTALL	ASHLAR

WALK OFF CARTPET (WCO-X)

WCO-1	MFG	SHAW
	STYLE	BON JOUR II
	COLOR	CHARCOAL
	INSTALL	STAKCED

PAINT (P-X)

P-1	MFG	DUNN EDWARDS
	COLOR	SHADY DEC774
	LRV	63
	NOTE	ALL WALLS UNLESS NOTED OTHERWISE; SEMI GLOSS
P-2	MFG	DUNN EDWARDS
	COLOR	TBD
	LRV	-
	NOTE	-
P-3	MFG	DUNN EDWARDS
	COLOR	TBD
	LRV	-
	NOTE	ACCENT, SEMI GLOSS

SYMBOL LEGEND

- FLOORING MATERIAL TRANSITION, TRANSITION STRIP REQUIRED
- FLOORING PATTERN TRANSITION, NO TRANSITION STRIP REQUIRED
- XX-X — FINISH MATERIAL, REF FINISH LEGEND
- P-X — PAINT COLOR

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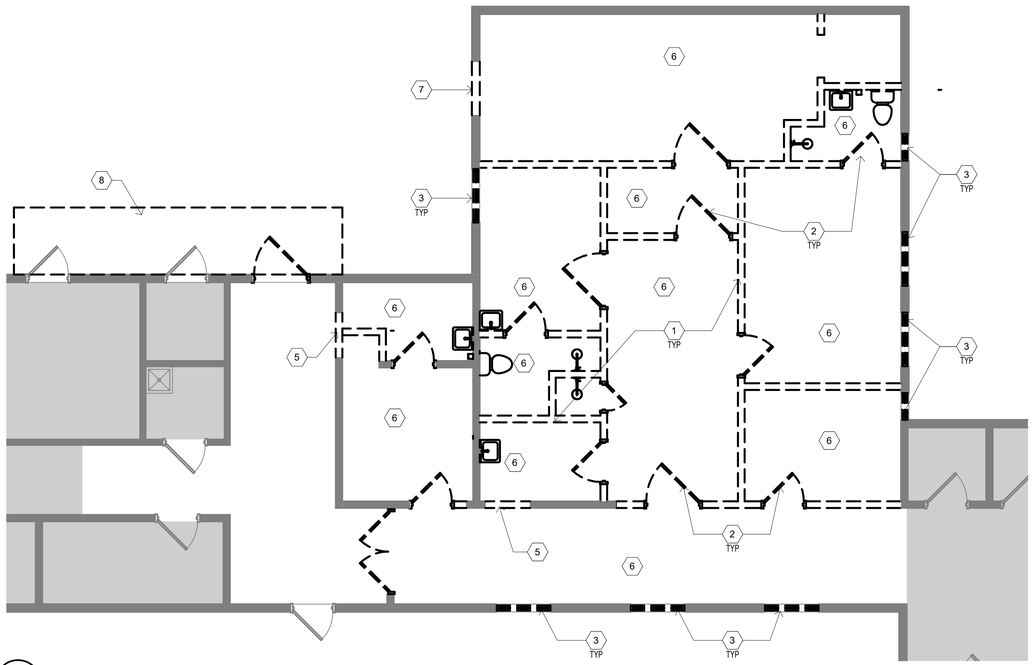
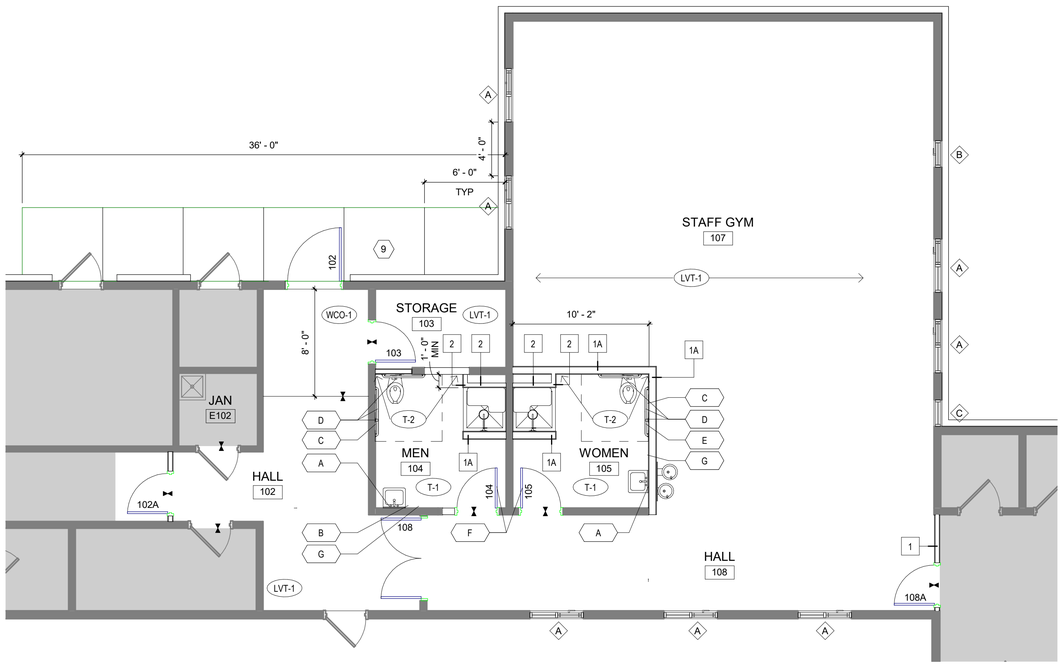


C2 DEMO PLAN
3/16" = 1'-0"



A2 PROPOSED PLAN
3/16" = 1'-0"

GENERAL SHEET NOTES

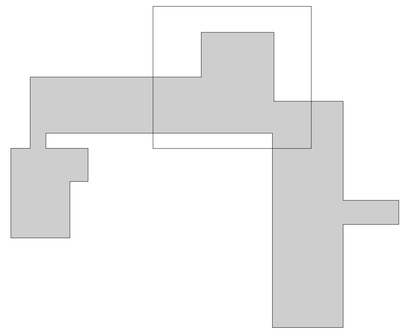
A. HOUSEKEEPING: THE CONTRACTOR SHALL WORK NEATLY, MAINTAINING ENTIRE EXISTING AREA TO BE REMODELED OR TO REMAIN SECURE AT ALL TIMES UNTIL COMPLETION OF NEW WORK. CONTRACTOR SHALL PROVIDE PERIODIC CLEANUP IN DEMOLITION AREA TO PREVENT DUST AND THE ACCUMULATION OF CONSTRUCTION DEBRIS.
B. CONTRACTOR SHALL COORDINATE ALL ASSOCIATED PLUMBING/ MECHANICAL/ELECTRICAL DEMOLITION DRAWINGS.
C. THIS DRAWING INDICATED THE INTENT OF DEMOLITION AT EXISTING BUILDING. NO ATTEMPT HAS BEEN MADE TO SHOW EACH AND EVERY SURFACE, ELEVATION, DETAIL ETC. THE CONSTRUCTION TEAM IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING.
D. THE CONTRACTOR SHALL CAREFULLY EXECUTE DEMOLITION/ REMOVAL WORK IDENTIFIED HEREIN AND PERFORM ALL DEMOLITION IN THE SHORTEST TIME POSSIBLE. ITEMS SHALL BE REUSED OR REMOVED AS NOTED. DEMOLISHED MATERIALS SHALL BE LEGALLY REMOVED FROM THE SITE IMMEDIATELY.
E. ALL STRUCTURAL ELEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE. COORDINATE WITH STRUCTURAL.
F. ALL DEMOLITION WORK SHALL BE COORDINATED WITH RENOVATION PLANS AND NEW CONSTRUCTION PLANS.
G. UTILITIES. LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. USE ALL MEANS NECESSARY TO PROTECT ALL UTILITIES DESIGNATED NOT TO BE ALTERED OR CHANGED IN ANY MANNER FROM DAMAGE. CONTRACTOR SHALL COORDINATE ANY UTILITY INTERRUPTIONS WITH THE OWNER A MINIMUM OF 10 DAYS IN ADVANCE.
H. SALVAGE ITEMS: PRIOR TO CONSTRUCTION, OWNER SHALL REMOVE ALL ITEMS TO BE SALVAGED. THIS INCLUDES ALL EQUIPMENT, FURNITURE, MECHANICAL/ ELECTRICAL AND SPECIAL SYSTEMS ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY ITEMS REMAINING. UNLESS NOTED OTHERWISE.
I. AT LOAD BEARING WALL DEMOLITION, BRACE OVERHEAD ROOF STRUCTURE AS REQUIRED FOR INSTALLMENT OF NEW HEADERS, LINTELS AND BEAMS. COORDINATE WITH STRUCTURAL.
J. MAINTAIN STRUCTURAL INTEGRITY OF EXISTING WALLS DURING DEMOLITION AND RENOVATION.
K. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE NEW WORK.
L. CONTRACTOR TO BE RESPONSIBLE FOR SECURITY AND WEATHER-TIGHTNESS OF EXISTING BUILDING AFTER ANY PARTIAL DEMO. TEMPORARY DOORS, CANOPIES, FENCING, ETC TO COMPLETE THE PLANNED WORK SHALL BE INCLUDED.
M. CONTRACTOR TO REMOVE ALL FLOORING AND BASE DOWN TO THE EXISTING FLOOR SLAB UNLESS NOTED OTHERWISE.
N. CONTRACTOR PROTECT EXISTING FIRE ALARM SYSTEM DURING DEMOLITION AND ENSURE IT REMAINS OPERATIONAL.
O. SEE E2/G101 FOR ADA MOUNTING HEIGHTS AND CLEARANCE REQUIREMENTS.
P. SEE A3/G101 FOR PARTITION TYPES.
Q. ALL NEW WALLS TO HAVE A LEVEL 4 FINISH.

KEYED NOTES

1. DEMO EXISTING WALL IN ITS ENTIRETY; PROTECT EXISTING CEILING AS MUCH AS POSSIBLE.
2. DEMO EXISTING DOOR AND FRAME.
3. DEMO EXISTING WINDOW OPENING INFILL. PREPARE OPENING FOR NEW WINDOW.
4. DEMO EXISTING PLUMBING; RE: PLUMBING SHEETS
5. DEMO PORTION OF WALL TO CREATE NEW DOOR OPENING
6. DEMO EXISTING VCT; PREPARE SLAB TO RECEIVE NEW FLOORING
7. DEMO PORTION OF EXISTING CMU WALL TO CREATE NEW OPENING; OPENING SHOULD BE LOCATED ON MASONRY MODULE; PREPARE OPENING FOR NEW WINDOW
8. REMOVE EXISTING CONCRETE SIDEWALK; COMPACT EARTH AND PREPARE FOR NEW SIDEWALK
9. NEW 4" CONCRETE SIDEWALK, SLOPE AWAY FROM BUILDING; CONTROL JOINTS EVERY 6' WITH AN EXAPNSION JOINT AGAINST THE BUILDING EDGE

LEGEND

- NO WORK THIS AREA
- AREA OUTSIDE OF SUITE
- EXISTING WALL TO REMAIN
- EXISTING TO BE DEMOLISHED
- EXISTING DOOR TO REMAIN
- NEW DOOR



KEY PLAN

scout
ARCHITECTURE + DESIGN
ARCHITECT/ ENGINEER

PMS - CUBA EMPLOYEE GYM

6349 US-550
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REVISION	DATE

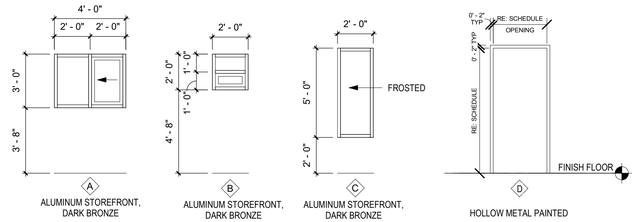
DATE	4/12/23
PROJECT NO	2114

FLOOR PLAN - DEMO + NEW

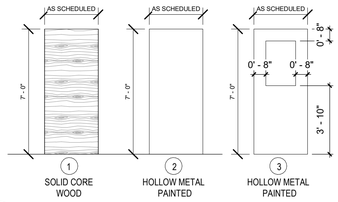
SHEET NO.
A101

DOOR SCHEDULE					
Mark	Door Type	Height	Width	Frame Type	Comments
102	3	7' - 0"	4' - 0"	D	ENTRY LOCKSET
102A	1	7' - 0"	3' - 0"	D	PASSAGE LOCKSET
103	1	7' - 0"	3' - 0"	D	STOREROOM LOCKSET
104	1	7' - 0"	3' - 0"	D	PRIVACY LOCK
105	1	7' - 0"	3' - 0"	D	PRIVACY LOCK
108	1	7' - 0"	6' - 0"	D	PASSAGE LOCKSET
108A	1	7' - 0"	3' - 0"	D	PASSAGE LOCKSET

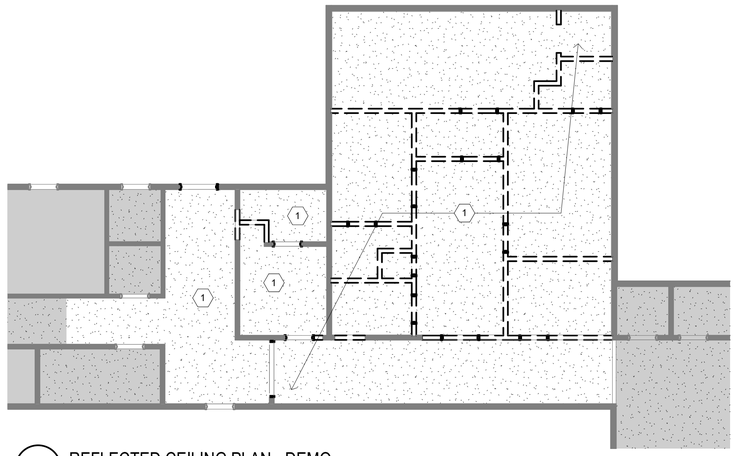
CONTRACTOR TO VERIFY ALL EXISTING OPENING.
ALL GLAZING TO BE TEMPERED, INSULATED AND LOW-E.



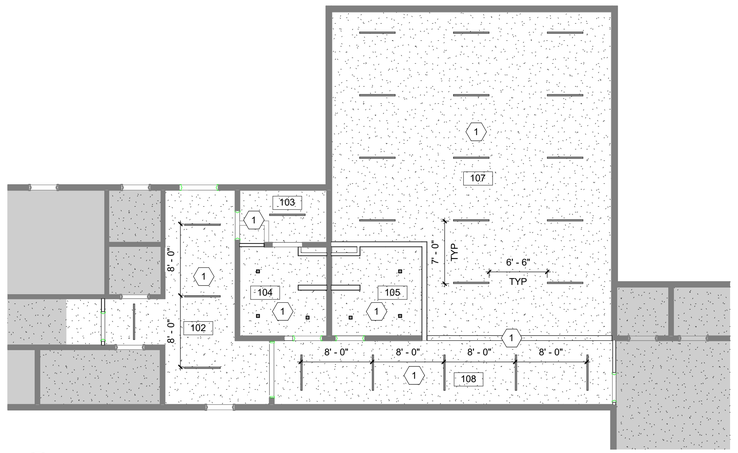
1 OPENING TYPES
1/4" = 1'-0"



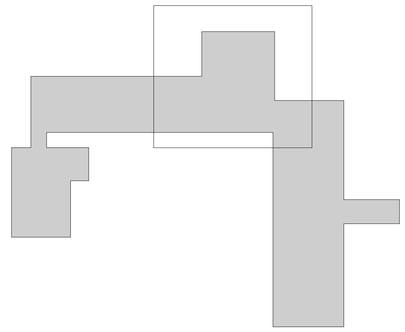
5 DOOR TYPES
1/4" = 1'-0"



C3 REFLECTED CEILING PLAN - DEMO
1/8" = 1'-0"



A3 REFLECTED CEILING PLAN
1/8" = 1'-0"



KEY PLAN

GENERAL NOTES

A. ALL EXPOSED STRUCTURE AND DECK TO BE PAINTED. COLOR SELECTED BY OWNER.

KEYED NOTES

1. EXISTING HARD LID CEILING TO REMAIN; PATCH AND REPAIR AS NEEDED FROM WALL DEMO; PROVIDE SMOOTH TEXTURE OVER ENTIRE CEILING

LEGEND

- EXISTING WALL TO REMAIN
- NEW NON RATED PARTITION; RE: XXXXX
- EXISTING GYPSUM BOARD CEILING TO BE PAINTED
- SURFACE MOUNT LED STRIP LIGHT; RE: ELEC
- RECESSED CAN LIGHT; RE: LIGHT FIXTURE SCHEDULE

scout
ARCHITECTURE + DESIGN

ARCHITECT/ ENGINEER

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REVISION	DATE

DATE	4/12/23
PROJECT NO	2114

RCP - DEMO + NEW

SHEET NO.
A102

5/15/2023 3:12:00 PM

MECHANICAL/PLUMBING LEGEND

SYMBOL	DESCRIPTION
	DUCTWORK SYMBOLS
	SECTION THROUGH RECTANGULAR SUPPLY DUCT
	SECTION THROUGH RECTANGULAR EXHAUST OR RETURN DUCT
	SECTION THROUGH ROUND DUCT, SUPPLY OR EXHAUST AS NOTED
	CEILING SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE OR EXHAUST REGISTER
	SIDEWALL SUPPLY REGISTER
	FLEXIBLE DUCT, SIZE AS SHOWN
	HAND (VOLUME) DAMPER IN DUCT
	RECTANGULAR-TO-ROUND TRANSITION
F.DPR	VERTICAL FIRE DAMPER IN DUCT AT FIRE PARTITION
F.DPR	HORIZONTAL FIRE DAMPER AT FLOOR PENETRATION
A.D.	ACCESS DOOR
	KEYED NOTE
	CONTROLS SYMBOLS
T	THERMOSTAT
DM	DAMPER MOTOR
SD	IONIZATION SMOKE DETECTOR
FZ	FREEZESTAT
T	TEMPERATURE SENSOR
H	HUMIDITY SENSOR
DP	DEW POINT SENSOR
SP	STATIC PRESSURE SENSOR
FS	FLOW SWITCH
	PIPING SYMBOLS
	EXISTING PIPING
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER RECIRCULATION
W	SANITARY WASTE
V	SANITARY VENT
GW	GREASE WASTE
D	DRAIN (CONDENSATE OR RELIEF)
ST	STORM DRAIN
ST (OF)	STORM DRAIN OVERFLOW
G	NATURAL GAS
MG	MEDIUM PRESSURE NATURAL GAS
F	FIRE PROTECTION

PIPING SYMBOLS	
	FLOW IN DIRECTION OF ARROW
	PITCH DOWN IN DIRECTION OF ARROW
	VALVE IN RISE OF PIPE (TYPE AS SPECIFIED OR NOTED
	RISER DOWN (ELBOW)
	RISER UP (ELBOW)
	RISE OR DROP
	BRANCH - TOP CONNECTION
	BRANCH - BOTTOM CONNECTION
	VALVE IN RISE
	GATE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	CONCENTRIC REDUCER
	FLEXIBLE CONNECTION
	FLEXIBLE CONNECTION
	FLANGE CONNECTION
	PRESSURE REDUCING VALVE (PRV)
	SOLENOID VALVE
	BALANCING VALVE
	UNION
	STRAINER
	PRESSURE GAUGE
	AIR VENT
	T&P RELIEF VALVE
	THERMOMETER
	HOSE BIB
	DEMOLITION
	BALANCING VALVE WITH PRESSURE PORTS (CIRCUIT SETTER)
	POINT OF DISCONNECTION
	POINT OF RECONNECTION
	WASTE CLEAN-OUT

MECHANICAL/PLUMBING ABBREVIATIONS

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFG	ABOVE FINISHED GRADE	LDBT	LEAVING DRY BULB TEMPERATURE
AHJ	AUTHORITY HAVING JURISDICTION	LWBT	LEAVING WET BULB TEMPERATURE
ARCH	ARCHITECT	LWT	LEAVING WATER TEMPERATURE
CFH	CUBIC FEET PER HOUR	MAT	MIXED AIR TEMPERATURE
CFM	CUBIC FEET PER MINUTE	MBH	THOUSAND BTU PER HOUR
CLG	CEILING	MCA	MINIMUM CIRCUIT AMPACITY
CO	CARBON MONOXIDE	MISC	MISCELLANEOUS
CO	CLEANOUT	MOCP	MAXIMUM OVERCURRENT PROTECTION
COTG	CLEANOUT TO GRADE	NC	NOISE CRITERIA
CO2	CARBON DIOXIDE	NEC	NATIONAL ELECTRICAL CODE
CU	CONDENSING UNIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CW	COLD WATER	NTS	NOT TO SCALE
DB	DRY BULB	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROLS	OFD	OVERFLOW DRAIN
DEG F	DEGREES FAHRENHEIT	PPM	PARTS PER MILLION
DWH	DOMESTIC WATER HEATER	PRV	PRESSURE REDUCING VALVE
EDBT	ENTERING DRY BULB TEMPERATURE	PSI	POUNDS PER SQUARE INCH
EF	EXHAUST FAN	RA	RETURN AIR
EL	ELEVATION	RAT	RETURN AIR TEMPERATURE
ETC	ET CETERA	RD	ROOF DRAIN
EWBT	ENTERING WET BULB TEMPERATURE	RH	RELATIVE HUMIDITY
EWT	ENTERING WATER TEMPERATURE	RM	ROOM
FCO	FLOOR CLEAN-OUT	RPM	REVOLUTIONS PER MINUTE
FD	FLOOR DRAIN	RTU	ROOF TOP UNIT
FDC	FIRE DEPARTMENT CONNECTION	SA	SUPPLY AIR
FH	FIRE HYDRANT	SD	STORM DRAIN
FPM	FEET PER MINUTE	SF	SQUARE FOOT
FS	FLOOR SINK	SS	SANITARY SEWER
GAS	NATURAL GAS	SUB	SUBSTITUTE
GC	GENERAL CONTRACTOR	TSTAT	THERMOSTAT
GPM	GALLONS PER MINUTE	TYP	TYPICAL
GT	GREASE TRAP	UNO	UNLESS NOTED OTHERWISE
HB	HOSE BIB	UR	URINAL
HD	HEAVY DUTY	V	VENT
HT	HEIGHT	W/	WITH
HW	HOT WATER	W/O	WITHOUT
HWR	HOT WATER RETURN	WB	WET BULB
HWS	HOT WATER SUPPLY	WC	WATER CLOSET
IBC	INTERNATIONAL BUILDING CODE	WCO	WALL CLEAN-OUT
J-BOX	JUNCTION BOX	WHA	WATER HAMMER ARRESTOR

PIPING MATERIALS

DOMESTIC HOT AND COLD WATER PIPING:
TYPE K HARD COPPER TUBE, WROUGHT COPPER FITTINGS, NO LEAD SOLDER. BRONZE BALL VALVES

PEX TUBING, METAL INSERT AND COPPER CLAMP RING OR ASSE 1061 PUSH-FIT FITTINGS. BRONZE BALL VALVES.

SOIL, WASTE, AND VENT PIPING:
BELOW GRADE -- STANDARD WEIGHT C.I. NO HUB WITH HEAVY DUTY CLAMPS OR SCH 40 PVC WITH SOCKET TYPE FITTINGS
ABOVE GRADE -- STANDARD WEIGHT C.I., NO HUB WITH STANDARD CLAMPS

NATURAL GAS PIPING:
SCH 40 BLACK STEEL PIPE, MALLEABLE IRON FITTINGS, NON- LUBRICATED BALL VALVES WITH RESILIENT SEATS. AGA AND UL LISTED FOR GAS SERVICE

WATER HAMMER ARRESTORS:
INSTALL WATER HAMMER ARRESTORS AT ALL QUICK-CLOSING VALVES. REFER TO PDI-200 FOR INSTALLATION SIZING AND LOCATIONS. PISTON TYPE ARRESTOR ONLY. SOUIX CHIEF 'HYDRARESTER' OR EQUAL. NO BELLOWS TYPE. PROVIDE WITH ISOLATION VALVE

DUCT MATERIAL

ALL DUCTWORK DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS.

DUCTWORK: G60 GALVANIZED SHEET STEEL; LOCK FORMING QUALITY; CONSTRUCTED TO THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS"; +/- 1" W.C. PRESSURE CLASSIFICATION, SEAL CLASS "C"; WITH GALVANIZED STEEL FASTENERS, ANCHORS, ANGLES, STRAPS, ETC.

ROUND DUCT: SPIRAL SEAM, GALVANIZED STEEL. DIE STAMPED OR 5 GORE ELBOWS.

SEAL ALL SEAMS (LONGITUDINAL AND TRANSVERSE) AIRTIGHT WITH UNITED MCGILL "UNI-GRIP" UL LISTED, WATER BASED, NON-HARDENING, ELASTIC SEALANT OR EQUIVALENT. TAPE NOT ALLOWED.

FLEXIBLE DUCTWORK: UL LISTED AND LABELED, CLASS 1 AIR DUCT. WORKING PRESSURE RATING: POS. 6 ", NEG. 4". FLEXMASTER TYPE 5 OR EQUIVALENT. 5 FEET MAX LENGTH.

GENERAL MECHANICAL AND PLUMBING NOTES:

1. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS TO PREVENT VOIDING OF WARRANTY. REFER TO EXISTING ROOF WARRANTY WHEN PERFORMING WORK ON ROOF AND FOLLOW WARRANTY REQUIREMENTS.

2. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL CEILING PENETRATIONS AND AIR DEVICE LOCATIONS. VERIFY CEILING TYPES BEFORE ORDERING AIR DEVICES. IN HARD CEILINGS AND WALLS, PROVIDE ACCESS PANELS TO FULLY ACCESS AND SERVICE ALL ISOLATION VALVES, FIRE/SMOKE DAMPERS, BALANCING DAMPERS, CONTROL DEVICES, AND ALL OTHER DEVICES THAT REQUIRE MAINTENANCE.

3. PROVIDE SOUND ELBOW FOR ALL CEILING RETURN/TRANSFER AIR GRILLES AS SHOWN IN DETAIL SHEET, UNLESS SHOWN WITH A DIFFERENT DUCT CONFIGURATION. USE NO MORE THAN 5 FT OF FLEXIBLE DUCT LENGTHS. ALL OTHER DUCTWORK SHALL BE RIGID METAL, PER SPECIFICATIONS. SEE DUCT CONSTRUCTION SCHEDULE AND SPECIFICATIONS FOR SPECIFIC AND GENERAL MATERIALS AND REQUIREMENTS. ALL RECTANGULAR SQUARE ELBOWS SHALL BE PROVIDED WITH INTERNAL TURNING VANES. INSTALL FLEXIBLE DUCT CONNECTIONS BETWEEN DUCTWORK AND ANY EQUIPMENT CONTAINING A MOTOR (NO EXCEPTIONS). DUCT DIMENSIONS ARE INSIDE DIMENSIONS. INCREASE SIZE OF DUCTS IF ACOUSTIC LINING IS SCHEDULED OR SPECIFIED. DO NOT INSTALL THERMOSTATS ON EXTERIOR WALLS.

4. ALL MATERIALS ON PLANS ARE NEW, UNLESS INDICATED OTHERWISE. OWNER HAS FIRST RIGHT OF REFUSAL OF ANY AND ALL EQUIPMENT AND MATERIALS. ANY EQUIPMENT OR MATERIAL REQUIRING SERVICE SHALL BE INSTALLED 10FT FROM EDGE OF ROOF OR PARAPETS.

5. SUPPORT ALL PIPING, DUCTS, EQUIPMENT ON ROOF USING FLASHED AND COUNTER FLASHED CURB. LENGTH OF CURB SHALL REACH ALL STRUCTURAL MEMBERS UNDER UNIT PLUS ONE ON EACH SIDE. REPAIR DISTURBED AREAS TO A LIKE CONDITION.

6. DRAWINGS ARE CONSIDERED SCHEMATIC IN NATURE. PROVIDE REQUIRED FITTINGS AND OFFSETS FOR A COMPLETELY OPERATIONAL INSTALLATION. EQUIVALENT DUCT MAY BE SUBSTITUTED IN ACCORDANCE TO SMACNA, PRIOR APPROVAL IS REQUIRED FROM OWNER INSTALLATION. ALL DUCTWORK SHALL BE CONSTRUCTED TO MEET SMACNA STANDARDS.

7. ALL BACKDRAFT DAMPERS SHALL BE COUNTERBALANCED TYPE WITH ADJUSTABLE WEIGHTS AND VINYL SEALS, UNLESS NOTED, SIMILAR TO NAILOR 1370CB. MINIMUM DAMPER PERFORMANCE SHALL INCLUDE A BLADE REACTION AT 0.01" W.G. AND A MAXIMUM LEAKAGE OF 15 CFM/SF AT 1" W.G. MOTORIZED OUTDOOR AIR DAMPERS SHALL BE RATED AT 4 CFM/SF AT 1.0" W.G. WHEN TESTED IN ACCORDANCE TO AMCA. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE AVAILABLE AT THE JOB SITE FOR ALL FIRE AND SMOKE DAMPERS AT THE TIME OF ROUGH-IN INSPECTION.

8. ALL MATERIAL ABOVE THE CEILING WHERE THIS SPACE IS USED A AS A RETURN AIR PLENUM MUST BE NON-COMBUSTIBLE, ALL LOW VOLTAGE/ COMMUNICATIONS CABLE MUST BE PLENUM RATED AND ALL ELECTRICAL WIRING MUST BE IN A PLENUM RATED SHEATH OR CONDUIT.

9. ALL PIPING SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE TO PREVENT SAGGING, POCKETING, SWAYING OR DISPLACEMENT BY MEANS OF HANGERS AND SUPPORTS. PIPING IS NOT TO BE SUPPORTED BY EQUIPMENT. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS. PROVIDE MANUAL AIR VENTS AND CAPPED HOSE-END DRAINS WITH ISOLATION VALVE AT PIPING HIGH AND LOW POINTS. WELD PIPE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS. WELDERS SHALL BE CERTIFIED FOR TYPE OF WELD BEING PERFORMED. FLUSH OUT PIPING AND REMOVE CONTROL DEVICES BEFORE PERFORMING PRESSURE TEST. DO NOT USE PIPING SYSTEM VALVES TO ISOLATE SECTIONS WHERE TEST PRESSURE EXCEEDS VALVE PRESSURE RATING. PRESSURIZE PIPING AT 100 PSIG. IF LEAKAGE IS OBSERVED OR IF TEMPERATURE COMPENSATED PRESSURE DROP EXCEEDS 1% OF TEST PRESSURE, REPAIR LEAKS AND RETEST. DO NOT USE AIR PRESSURE TO TEST PLASTIC PIPE. PROVIDE SUPPORT UNDER ELBOWS ON PUMP SUCTION AND DISCHARGE LINES.

10. AFTER INSTALLATION OF SYSTEM, PERFORM AN OPERATIONAL TEST IN THE PRESENCE OF THE OWNER, ARCHITECT, OR ENGINEER. THIS TEST WILL CONSIST OF SUCCESSFULLY DEMONSTRATING: APPEARANCE OF INSTALLATION, FUNCTION OF ALL CONTROLS, THE CONTROLS SHALL BE OPERATED IN THE FOLLOWING MODES IN EACH ZONE: OCCUPIED/UNOCCUPIED. IF THE TEST IS NOT SUCCESSFUL IN THE OPINION OF THE ARCHITECT OR ENGINEER, DEFICIENCIES WILL BE REMEDIED AND THE SYSTEM WILL BE RE-TESTED UNTIL THE TEST IS SUCCESSFUL.

11. WHERE NEW MECHANICAL SYSTEMS ARE USED FOR TEMPORARY VENTILATION OR CLIMATE CONTROL, MECHANICAL EQUIPMENT INSTALLER SHALL BE PROVIDE CONSTRUCTION FILTERS, MAINTAIN EQUIPMENT, AND CLEAN, ADJUST AND PUT IN NEW CONDITION BEFORE BUILDING OCCUPANCY. PARTS AND LABOR WARRANTY SHALL NOT BE CONSIDERED TO START UNTIL ACCEPTANCE OF THE SYSTEM BY OWNER.

PROJECT SCOPE:

Tenant improvement for existing building. Installation of new HVAC and plumbing.

PROJECT CODES:

- 2021 UNIFORM PLUMBING CODE
- 2021 UNIFORM MECHANICAL CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE

MINIMUM PIPE INSULATION

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE 2018, SECTIONS C404.4 AND C404.5

PIPING FROM A WATER HEATER TO THE TERMINATION OF THE HEATED WASTER SUPPLY PIPE SHALL BE INSULATED AS PER TEH TABLE BELOW. INSULATION SHALL HAVE A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/HRxFT ²x°F (R-3 min.). THE FIRST 8' OF BOTH INLET AND OUTLET PIPING OF A WATER HEATER SHALL BE INSULATED WITH 1" OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/HRxFT²x°F.

ALL INSULATION TO HAVE FACTORY APPLIED ASJ COMPLYING WITH ASTM C 1136, TYPE I.

MINIMUM PIPE INSULATION [a]

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE 2018, SECTION C403.11.3 AND UPC 609.12

FLUID	NOMINAL PIPE DIAMETER	
	<1.5"	>1.5"
HEATING WATER	1.5"	2.0"
DOMESTIC HOT WATER	EQUAL TO PIPE DIAMETER	EQUAL TO PIPE DIAMETER
DOMESTIC COLD WATER [b]	0.5"	1.0"
CHILLED WATER, BRINE OR REFRIGERANT	1.0"	1.5"

a. BASED ON INSULATION HAVING A CONDUCTIVITY (k) NOT EXCEEDING 0.27 BTU PER INCH /HRxFT ²x°F (R-3 MIN.)

b. DOMESTIC COLD WATER INSULATION BASED ON CONDENSATION CONTROL, NOT IECC REQUIREMENTS.

SEISMIC RESTRAINT FOR WATER HEATERS.

BASED ON: UNIFORM PLUMBING CODE SECTION 507.2

IN SEISMIC DESIGN CATEGORIES C,D,E, AND F, WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE-THIRD AND LOWER ONE-THIRD OF ITS VERTICAL DIMENSIONS. AT THE LOWER POINT, A DISTANCE OF NOT LESS THAN 4" SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.

TEMPERATURE AND HOT WATER SYSTEM CONTROLS

BASED ON: IECC 2018 CODE SECTION C404.7

AUTOMATIC-CIRCULATING HOT WATER SYSTEMS SHALL BE PROVIDED WITH A CIRCULATION PUMP. SYSTEM RETURN PIPING SHALL BE DEDICATED. CONTROLS SHALL AUTOMATICALLY TURN OFF THE PUMP WHEN WATER IN THE CIRCULATION LOOP IS AT THE DESIRED TEMPERATURE AND WHEN THERE IS NOT A DEMAND FOR HOT WATER.

ALL PIPE DISTANCES BETWEEN HOT WATER SUPPLY PIPING AND FIXTURES SHALL COMPLY WITH C404.5.

MINIMUM DUCT INSULATION

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE 2018, SECTION C403.11

DUCT AND PLENUM INSULATION AND SEALING:

ALL SUPPLY AND RETURN DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPTED SPACES BY A MINIMUM OF R-8 INSULATION.

INSULATION WITHIN DUCTS AND PLENUMS SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE DEVELOPMENT INDEX NOT TO EXCEED 50 PER 2015 IMC 602.2 AND 604.1

EXCEPTIONS:
1. WHEN LOCATED WITHIN EQUIPMENT.
2. WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F (8°C).

5/10/2023 3:00:44 PM

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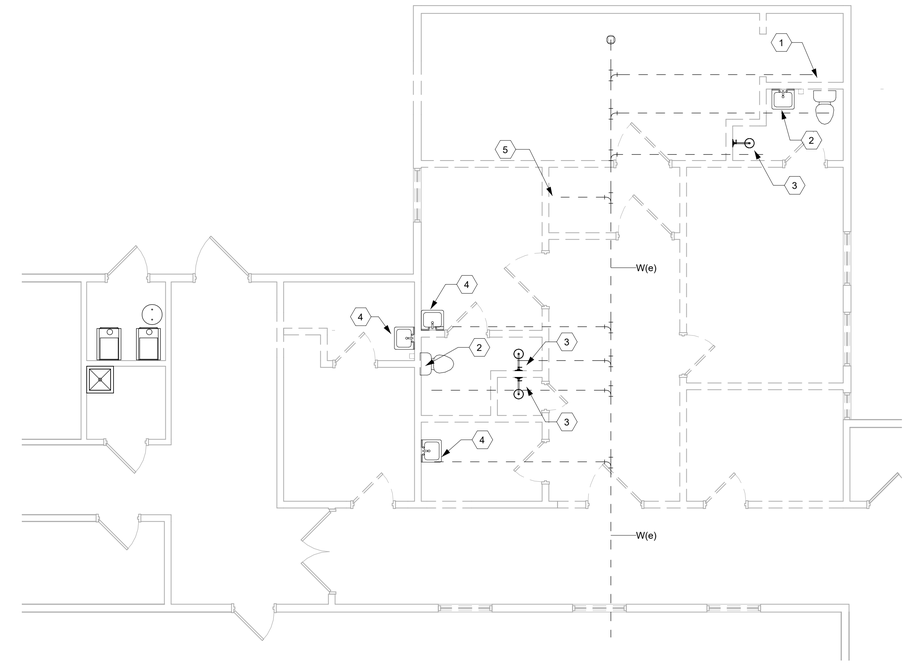
REVISION	DATE

DATE	5/12/23
PROJECT NO	2114

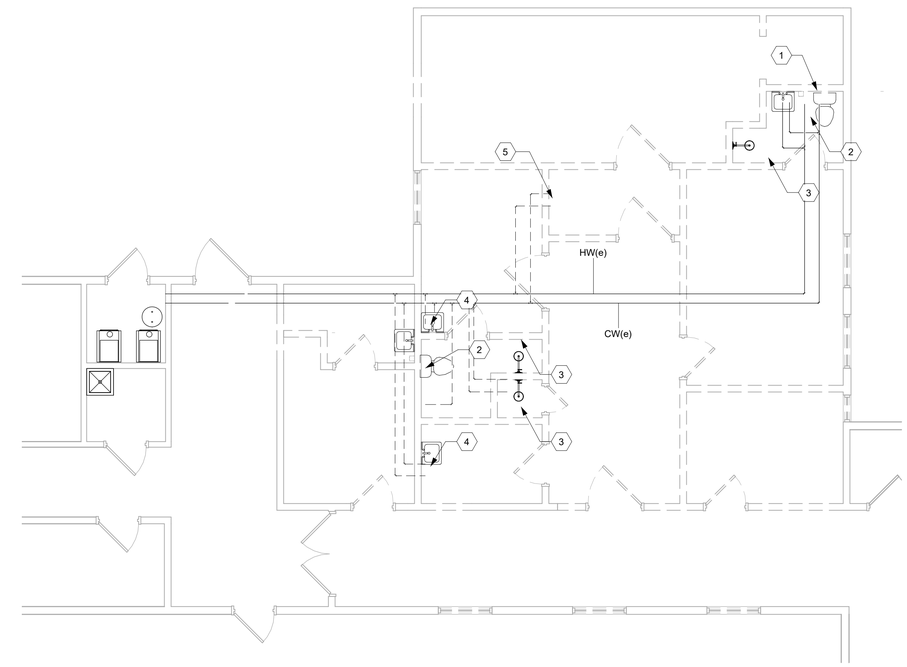
MECHANICAL COVER AND NOTES

SHEET NO.

PM001



1 WASTE DEMO
3/16" = 1'-0"



2 WATER DEMO
3/16" = 1'-0"

DEMO NOTES:

1. EXISTING PIPING IN ATTIC TO BE ABANDONED IN PLACE. REFER TO NEW WORK FOR CONNECTION AND RE-USE OF SELECT PIPE.

KEYED NOTES:

#	
1	REMOVE EXISTING PIPE STUBS IN WALL. REMOVE VENT PIPE BACK TO ACTIVE MAIN AND CAP. CAP AND SEAL WASTE PIPE AT FLOOR. CAP WATER LINE ABOVE CEILING
2	REMOVE EXISTING HAND SINK AND TOILET COMPLETE. REMOVE WATER BACK TO ABOVE CEILING AND CAP. REMOVE VENT PIPE BACK TO ACTIVE MAIN AND CAP. CAP WASTE LINE BELOW SLAB AND SEAL.
3	REMOVE EXISTING SHOWER COMPLETE. REMOVE WATER BACK TO MAIN AND CAP. REMOVE VENT BACK TO MAIN AND CAP. REMOVE WASTE TO BELOW SLAB, CAP AND SEAL.
4	REMOVE EXISTING SINK COMPLETE. REMOVE WATER BACK TO MAIN AND CAP. REMOVE VENT PIPE BACK TO ACTIVE MAIN AND CAP. REMOVE WASTE BELOW SLAB, CAP AND SEAL.
5	REMOVE EXISTING CLINICAL SERVICE SINK COMPLETE. REMOVE WATER BACK TO ACTIVE MAIN AND CAP. REMOVE VENT BACK TO MAIN AND CAP. REMOVE WASTE LINE BACK TO BELOW SLAB, CAP AND SEAL.

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12 May 2023

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REVISION	DATE

DATE	5/12/23
PROJECT NO	2114

PLUMBING DEMO

SHEET NO.

PD101

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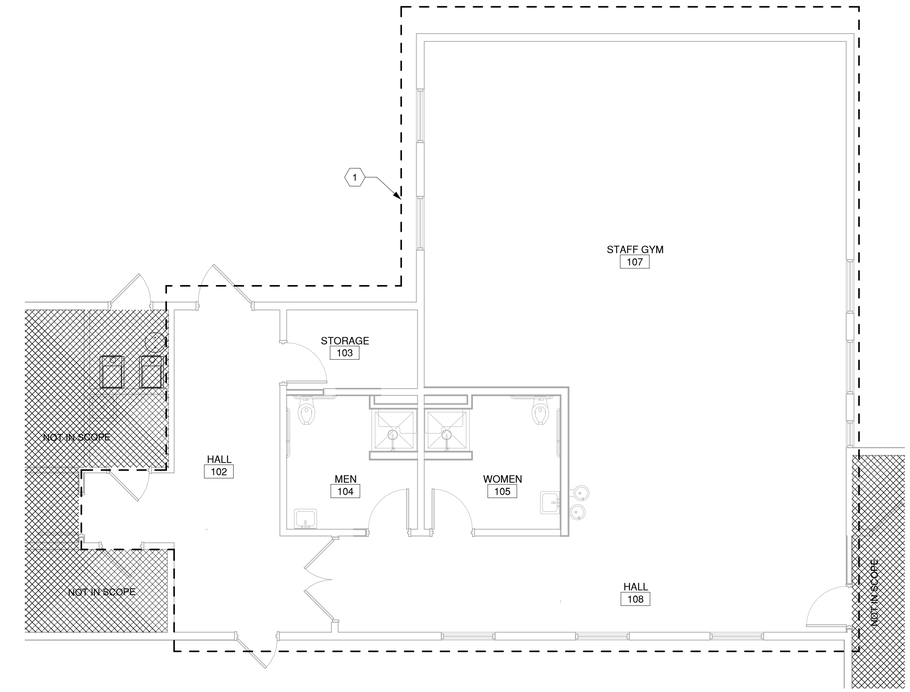

1 FIRE PROTECTION PLAN
3/16" = 1'-0"

GENERAL NOTES:

1. REFER TO ARCH FOR FIRE EGRESS AND OCCUPANCY
2. REMOVE ALL FIRE PROTECTION PIPING FROM PROJECT AREA.

KEYED NOTES:

1 INDICATED AREA HAS EXISTING FIRE PROTECTION MAINS INSTALLED BUT ARE CURRENTLY DRY. CONTRACTOR TO REMOVE ALL PIPING IN PROJECT AREA AND PATCH ALL PENETRATIONS. EXISTING PIPE TO BE CAPPED AT PROJECT BOUNDRY WALLS.

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12 May 2023

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PERMIT DRAWINGS

REVISION	DATE

DATE 5/12/23
PROJECT NO 2114

FIRE PROTECTION

SHEET NO.
FP101

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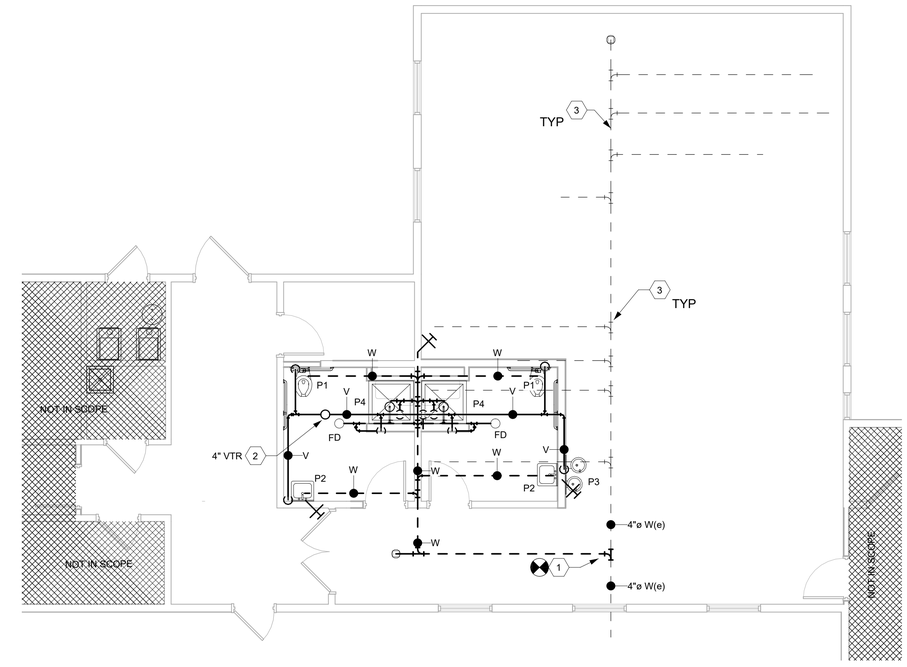
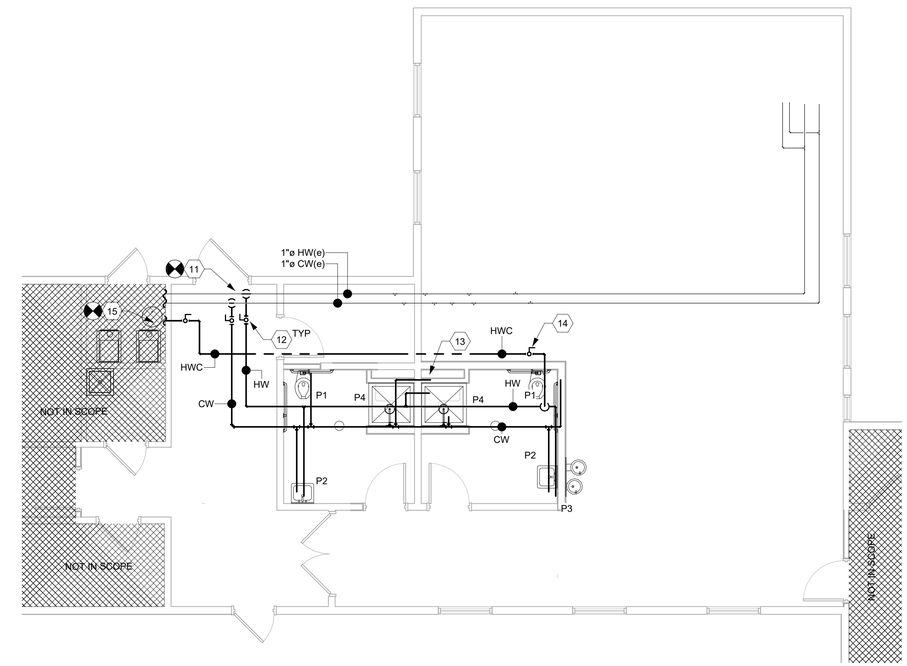


1 WASTE AND VENT PLAN
3/16" = 1'-0"



2 WATER PLAN
3/16" = 1'-0"

GENERAL NOTES:

1. REFER TO PM-001 FOR GENERAL NOTES AND SYMBOLS.
2. REFER TO P-601 FOR SCHEDULES AND DIAGRAMS.
3. SUPPORT ALL PIPES WITH MSS SP-58 COMPONENTS. PROVIDE SADDLES AT ALL INSULATED PIPES.

DEMO NOTES:

1. EXISTING PIPING IN ATTIC TO BE ABANDONED IN PLACE. REFER TO NEW WORK FOR CONNECTION AND RE-USE OF SELECT PIPE.

(#) KEYED NOTES:

1 CONNECT NEW SANITARY WASTE INTO EXISTING
2 NEW VENT TO ROOF. FIELD COORDINATE EXACT LOCATION
3 EXISTING SANITARY WASTE LINES BELOW SLAB TO BE ABANDONED IN PLACE. LOCATION SHOWN IS APPROXIMATE AND FOR REFERENCE ONLY.
11 CONNECT INTO EXISTING HW, AND CW LINES
12 PROVIDE ISOLATION VALVES ON WATER LINES ABOVE CEILING
13 ROUTE HW AND CW DOWN TO SHOWERS BACK TO BACK
14 INSTALL BALL VALVE ON HW RECIRC LINE. SET VALVE FOR 0.5 GPM (ADJ.)
15 CONNECT HW RECIRC LINE BACK TO PUMP IN MECHANICAL ROOM

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PLUMBING PLANS

SHEET NO.
P101

5/10/2023 3:00:40 PM

PLUMBING FIXTURE SCHEDULE

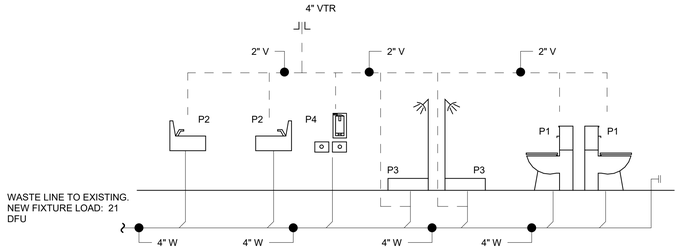
SYMBOL	DESCRIPTION	ADA	MANUFACTURER AND MODEL	FAUCET MANUFACTURER AND MODEL NUMBER	ACCESSORIES	CONNECTIONS				REMARKS	FLOW RATE
						CW	HW	WASTE	VENT		
P1	WATER CLOSET	YES	AMERICAN STANDARD CADET PRO 215AA	-	OPEN FRONT SEAT	1/2"	-	4"	2"	FLOOR MOUNTED FLUSH TANK WATER CLOSET	1.28 GPF
P2	WALL-HUNG LAVATORY	YES	AMERICAN STANDARD LUCERNE, 0355.012	MOEN 8210	ANGLE STOPS, P-TRAP, GRID STRAINER, UNDERSINK PROTECTION, ASSE 1070 MIXING VALVE, WALL CARRIER, ZURN Z1231 OR EQUAL	1/2"	1/2"	2"	1-1/2"	WALL HUNG LAVATORY WITH GRID DRAIN. WALL MOUNTED WITH CONCEALED ARM CARRIER	0.5 GPM
P3	SHOWER	YES	BARRIER FREE ARCH. LSS4038AST	ZURN Z415B - FLOOR DRAIN	ADA COMPLIANT SHOWER, PRESSURE BALANCING MIXING VALVE, 30" SLIDE BAR FOR HAND SHOWER MOUNTING, SEAT, GRAB BAR, HAND SHOWER	3/4"	3/4"	2"	1-1/2"	ADA COMPLIANT ROLL-IN SHOWER PACKAGE WITH 1/2" THRESHOLD. PROVIDE ALL ADA REQUIRED ACCESSORIES.	2.0 GPM
P4	DRINKING FOUNTAIN	YES	ELKAY EZOTL8WSLK	-	ANGLE STOPS, P-TRAP, WALL MOUNTING PLATE, BOTTLE FILL STATION	1/2"	-	1-1/2"	1-1/2"	DUAL LEVEL DRINKING FOUNTAIN WITH BOTTLE FILL STATION, STAINLESS STEEL FINISH. 115V,1P, 6A FLA	-
FD	FLOOR DRAIN	-	ZURN 415B	-	TRAP-SEAL (JR SMITH 2692), GRID STRAINER	-	-	2"	1-1/2"	FLOOR DRAIN WITH STRAINER AND ELASTOMERIC TRAP SEAL. ROUND 6"Ø INLET STRAINER	-

WASTE DEMAND SCHEDULE

NEW LOADS	DRAIN F.U	QUANTITY	TOTAL
DRINKING FOUNTAIN	1	1	1
SHOWER	3	2	6
HAND SINK	1	2	2
WATER CLOSET	6	2	12
	NEW F.U. TOTAL		21

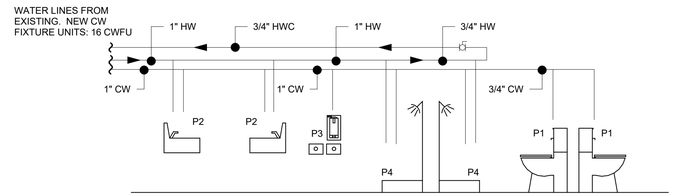
WATER DEMAND SCHEDULE

LOADS ON LINE	CW F.U	QUANTITY	TOTAL
DRINKING FOUNTAIN	1	1	1.0
SHOWER	4	2	8.0
HAND SINK	1	2	2.0
WATER CLOSET	2.5	2	5.0
	NEW F.U. TOTAL		16



1 P-601 WASTE RISER DIAGRAM

SCALE: NONE



2 P-601 WATER RISER DIAGRAM

SCALE: NONE

5/10/2023 3:00:40 PM

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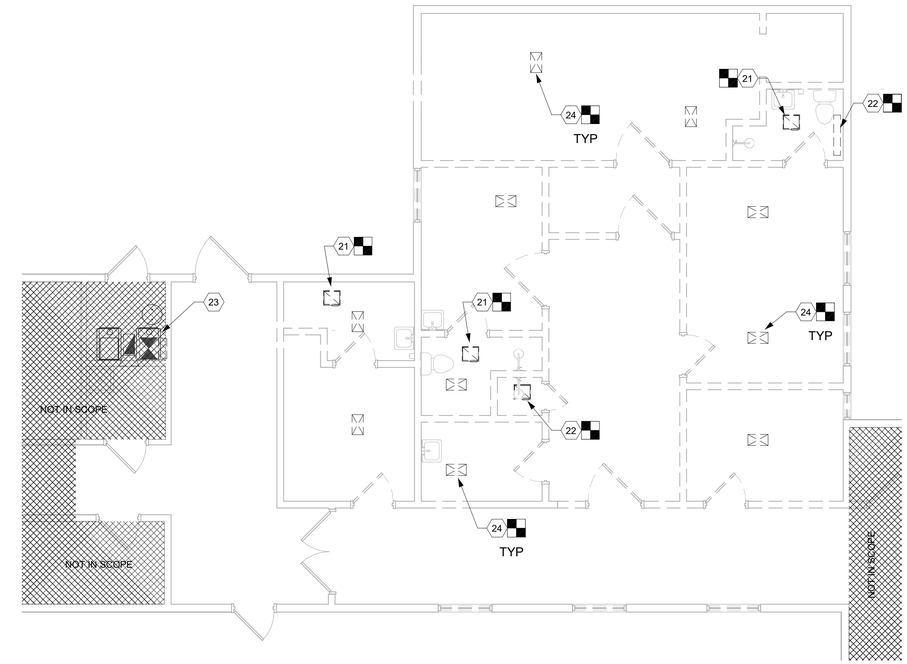
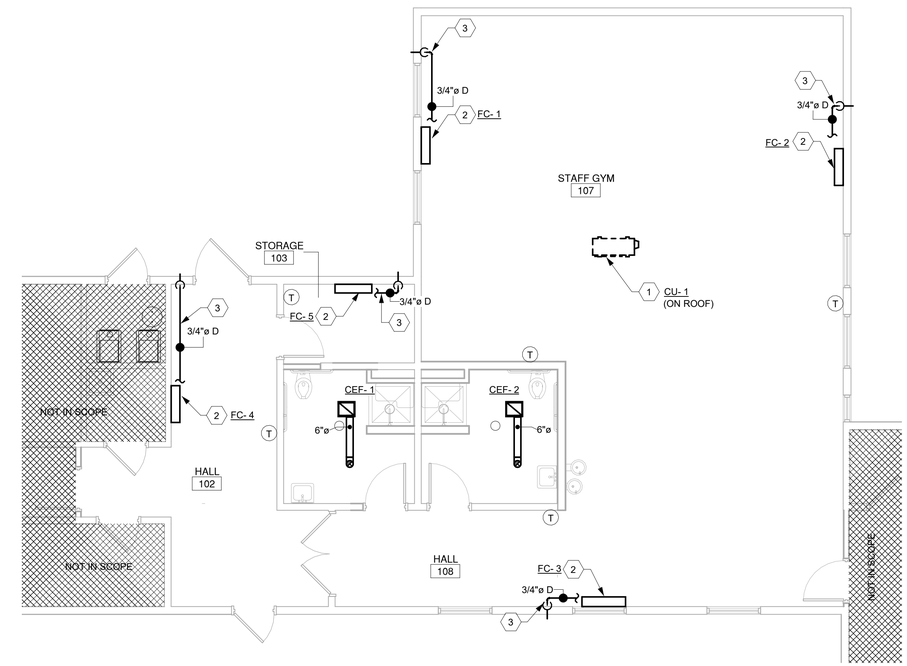
PLUMBING SCHEDULES AND ISO

SHEET NO.

P601



1 MECHANICAL FLOOR PLAN
3/16" = 1'-0"



2 MECHANICAL FLOOR PLAN
3/16" = 1'-0"

VENTILATION SUPPLY:

SPACES ARE PROVIDED WITH VENTILATION AIR PER NATURAL VENTILATION, UMC 402.2.

STAFF GYM:
DOUBLE SIDED OPENING, MAX DISTANCE FROM OPENING IS 5H. CEILING HEIGHT IS 8'. MAX DISTANCE IS 40'.

FLOOR AREA IS 1300 SQFT. 4% OF FLOOR AREA FOR OPERABLE OPENINGS, 52 SQFT.
7 EXTERIOR WINDOWS PROVIDED, 5'x3', FOR 52 SQFT. OF EXTERIOR OPENING.

STORAGE:
SINGLE SIDED OPENING, MAX DISTANCE FROM OPENING IS 2H. CEILING HEIGHT IS 8'. MAX DISTANCE IS 16'.

FLOOR AREA IS 60 SQFT. 4% OF FLOOR AREA FOR OPERABLE OPENINGS, 2.4 SQFT.
1 EXTERIOR WINDOWS PROVIDED, 4'x3', FOR 6 SQFT. OF EXTERIOR OPENING.

HALLWAY:
DOUBLE SIDED OPENING, MAX DISTANCE FROM OPENING IS 5H. CEILING HEIGHT IS 8'. MAX DISTANCE IS 40'.

FLOOR AREA IS 215 SQFT. 4% OF FLOOR AREA FOR OPERABLE OPENINGS, 8.2 SQFT.
2 EXTERIOR DOORS PROVIDED, 3'x7', FOR 42 SQFT. OF EXTERIOR OPENING.

GENERAL NOTES:

1. REFER TO PM-001 FOR GENERAL NOTES AND SYMBOLS.
2. REFER TO M-601 FOR EQUIPMENT SCHEDULES AND DIAGRAMS.

DEMO NOTES:

1. EXISTING AIR TERMINALS TO BE REMOVED. DUCTWORK IN ATTIC SPACE TO BE ABANDONED IN PLACE. PATCH PENETRATIONS IN CEILING, REFER TO ARCH.

KEYED NOTES:

#	
1	NEW DX VRF CONDENSING UNIT ON ROOF. FIELD COORDINATE ROUTING OF REFRIGERANT PIPING BETWEEN UNIT AND INDOOR UNITS. PROVIDE FIELD-FABRICATED UNI-STRUT STAND FOR MOUNTING. SECURE TO ROOF STRUCTURE
2	NEW DX VRF INDOOR UNIT MOUNTED ON WALL. FIELD COORDINATE EXACT MOUNTING LOCATION.
3	ROUTE CONDENSATE DRAIN FROM UNIT TO EXTERIOR. FIELD COORDINATE EXACT ROUTING. TERMINATE AT OUTDOOR WALL 8" A.F.G. WITH DOWN-TURNED ELBOW PER CODE
21	REMOVE EXISTING EXHAUST FAN AND DUCTWORK COMPLETE. PATCH CEILING AND ROOF.
22	REMOVE EXISTING BASEBOARD STRIP HEATER COMPLETE.
23	EXISTING FURNACE UNIT IN MECHANICAL ROOM TO REMAIN. CONTRACTOR TO VERIFY EXISTING SPACES SERVED BY UNIT REMAIN OPERATIONAL.
24	REMOVE EXISTING AIR TERMINALS IN CEILING. PATCH AND SEAL ALL DUCTWORK. DUCTWORK TO BE ABANDONED IN PLACE.

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MECHANICAL FLOOR PLAN

SHEET NO.

M101

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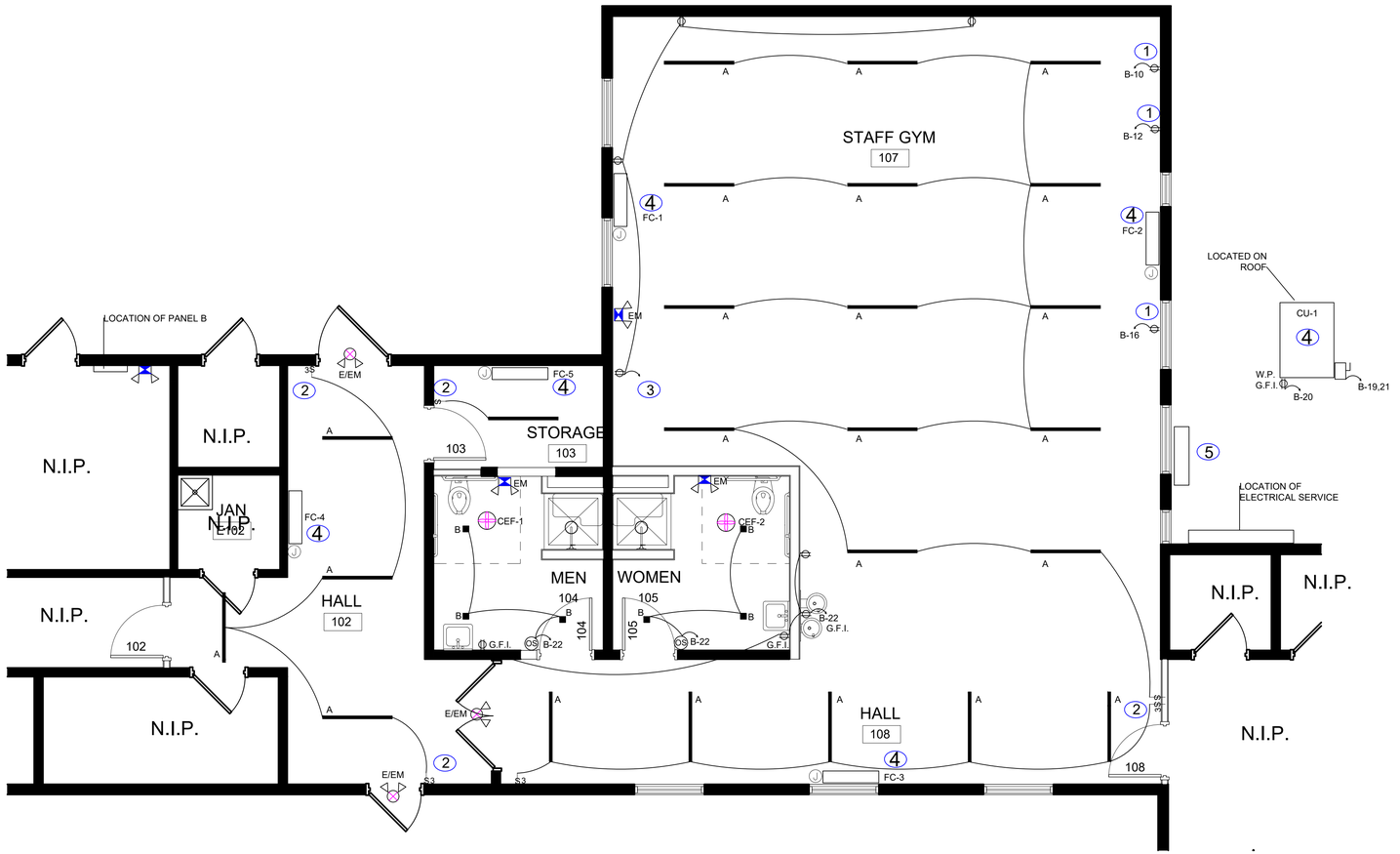

POWER AND LIGHTING FLOORPLAN

1/4"=1'-0"

KEYED NOTES

1. E.C. TO VERIFY LOCATION OF GYM EQUIPMENT WITH OWNER PRIOR TO ROUGH IN.
2. E.C. TO RE-USE EXISTING LIGHTING CIRCUIT.
3. CONNECT TO EXISTING RECEPTACLE CIRCUIT.
4. VERIFY LOCATIONS OF FC- 1 THROUGH FC-5 AND CU-1 PRIOR TO ROUGH IN.
5. E.C. TO INCLUDE IN BID REMOVAL OF EXISTING ABANDONED DISCONNECT, WIRE AND CONDUIT.

SHEET NOTES

1. CONNECT ALL EXIT AND EMERGENCY LIGHTS TO LOCAL LIGHTING CIRCUIT AHEAD OF THE SWITCH.
2. E.C. TO RE-USE ALL EXISTING RECEPTACLES WHERE POSSIBLE.
3. E.C. TO CO-ORDINATE WITH FIRE ALARM INSTALLER FOR ANY BOXES AND CONDUITS THAT MAY BE REQUIRED.

APPROVED WIRING METHODS	
DESIG.	METHOD TYPE
CONCEALED	M/C, EMT,
EXPOSED DRY	EMT,PVC PER NMEC ART. 352
EXPOSED WET	EMT, IMC, RMC, LFMC, LFNC
UNDER GROUND	SCHED 40 PVC, SCHED 80 PVC, RMC
TRANSFORMER / MOTORS	FMC, LFNC,LFMC
PATIENT CARE AREAS	RMC,IMC,H.C.F.C.
AGRICULTURAL FACILITIES	PER N.E.C. ART. 547
COMMERCIAL GARAGES	PER N.E.C. ART. 511
NOTES	RMC USED UNDERGROUND MUST BE WRAPPED WITH APPROVED METHOD

GENERAL NOTES

1. ALL WORK TO CONFORM TO THE REQUIREMENTS OF THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE, N.F.P.A. 70, AND THE REQUIREMENTS OF THE 2017 EDITION OF THE N.M.E.C. 14.10.4.5.
2. ALL ELECTRICAL EQUIPMENT AND WIRING METHODS WITHIN THE PERMITTED AREA TO BE BROUGHT TO CURRENT CODE REQUIREMENTS.
3. ALL ABANDONED ELECTRICAL EQUIPMENT IS TO BE REMOVED.
4. ALL EMERGENCY AND EXIT LIGHTING IS TO BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT AHEAD OF THE SWITCH.
5. IT IS THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO OBTAIN ELECTRICAL PERMITS AND ANY SPECIAL A.H.J. PERMISSIONS THAT MAY BE REQUIRED.

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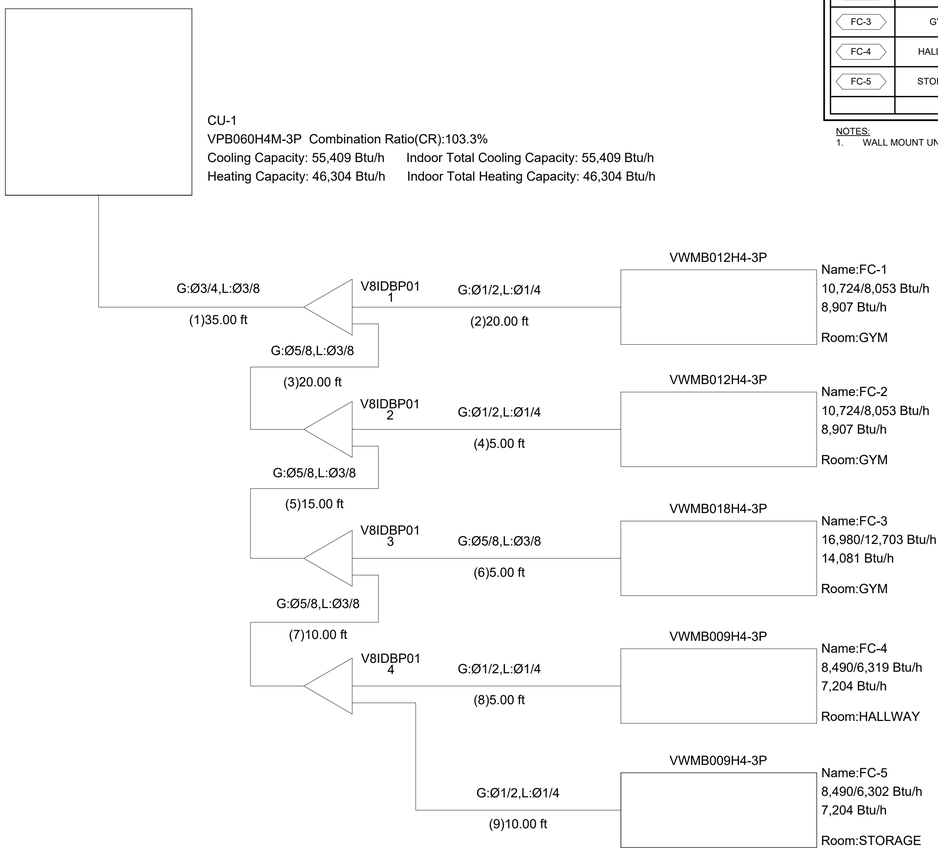
LIGHTING AND POWER PLAN

SHEET NO.

E100



HEAT PUMP FAN COIL SCHEDULE

MARK	LOCATION	CFM	ESP	OSA	COOLING CAPACITY			HEATING CAPACITY			ELECTRICAL			FILTER	WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
					ENT. AIR DB/WB	TOTAL MBH	SENSIBLE MBH	ENT. AIR DB	DIS. AIR DB	MBH OUT	VOLT / PH	MCA	MOCP				
FC-1	GYM	350	-	-	80/62	12	12	64	90	13.5	240-1	1	15	WASHABLE	75	LENNOX VWMB012	SEE NOTE 1
FC-2	GYM	350	-	-	80/62	12	12	64	90	13.5	240-1	1	15	WASHABLE	75	LENNOX VWMB012	SEE NOTE 1
FC-3	GYM	450	-	-	80/62	18	18	64	90	21	240-1	1	15	WASHABLE	75	LENNOX VWMB018	SEE NOTE 1
FC-4	HALLWAY	310	-	-	80/62	9	9	64	90	11	240-1	1	15	WASHABLE	75	LENNOX VWMB009	SEE NOTE 2
FC-5	STORAGE	310	-	-	80/62	9	9	64	90	11	240-1	1	15	WASHABLE	75	LENNOX VWMB009	SEE NOTE 2

NOTES:
1. WALL MOUNT UNIT. FURNISH UNIT WITH HARD-WIRED MANUFACTURER'S 7-DAY PROGRAMMABLE CONTROLLER, AND CONDENSATE PUMP, RECTOR-SEAL ASPEN OR EQUAL.

OUTDOOR CONDENSING UNIT SCHEDULE

MARK	INDOOR UNIT CONNECTION	O/A SUMMER TEMP °F	TOTAL COOLING CAPACITY (MBH) (@95°F)	COOLING EFF.	TOTAL HEATING CAPACITY (MBH) (@47°F)	HEATING EFF.	ELECTRICAL			WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
							VOLT/PH	MCA	MOCP			
CU-1	FC-1 FC-2 FC-3 FC-4 FC-5	95	60	18.8 SEER	60	9 (HSPF2)	240/1ϕ	40	45	250	LENNOX VPB060H4M	SEE NOTE 1-3

NOTES:
1. SIZE AND INSTALL REFRIGERANT PIPING BETWEEN OUTDOOR UNIT AND ASSOCIATED INDOOR UNITS FOLLOWING MANUFACTURER'S REQUIREMENTS.
2. PROVIDE FIELD FABRICATED SUPPORT STAND FOR UNIT MOUNTING. COORDINATE WITH ROOF SLOPE AND MATERIAL

EXHUAST FAN SCHEDULE

SYMBOL	MANUFACTURER AND MODEL	TYPE	SERVICE	CONTROL	CFM	FAN STATIC (IN. W.C)	VOLT / PH	MOTOR SIZE	WEIGHT (LBS)	NOTES
CEF-1	DELTA BREEZE SMT-150-200	CEILING EXHAUST FAN	RESTROOM	INTERLOCK WITH LIGHTS	150	0.25	120/1ϕ	80 WATTS	25	SEE NOTE 1
CEF-2	DELTA BREEZE SMT-150-200	CEILING EXHAUST FAN	RESTROOM	INTERLOCK WITH LIGHTS	150	0.25	120/1ϕ	80 WATTS	25	SEE NOTE 1

NOTES:
1. CEILING MOUNT EXHAUST FAN. PROVIDE THERMAL OVERLOAD PROTECTION, BACKDRAFT DAMPER, DISCONNECT SWITCH, PLASTIC GRILLE, MANUFACTURER'S ROOF CAP WITH INTEGRAL BIRDSCREEN.

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MECHANICAL SCHEDULES

SHEET NO.

M601

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